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**CTD/O<sub>2</sub> MEASUREMENTS COLLECTED ON A CLIMATE AND GLOBAL  
CHANGE CRUISE (WOCE SECTION P13) ALONG 165° E DURING  
AUGUST-OCTOBER, 1992**

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# CTD/O<sub>2</sub> Measurements Collected on a Climate and Global Change Cruise (WOCE Section P13) Along 165°E During August–October, 1992

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**ABSTRACT.** Summaries of Neil Brown Instrument Systems CTD/O<sub>2</sub> measurements and hydrographic data acquired on a Climate and Global Change cruise during the fall of 1992 aboard the R/V *Vickers* are presented. The majority of these data were collected along 165°E from 51.5°N to 5°S. Data collected on a NW-SE dog-leg from the 200-m isobath off the coast of Kamchatka to the beginning of the 165°E line at 51.5°N are also presented. Data acquisition and processing systems are described and calibration procedures are documented. Station location, meteorological conditions, CTD/O<sub>2</sub> summary data listings, profiles, and potential temperature-salinity diagrams are included for each cast. Section plots of oceanographic variables and hydrographic data listings are also given.

## 1. INTRODUCTION

In support of NOAA's Climate Program, PMEL scientists have been measuring the growing burden of greenhouse gases in the thermocline waters of the Pacific Ocean and the overlying atmosphere since 1980. During this cruise, hydrographic and chemical measurements began with a series of closely spaced stations extending from the Kamchatka Peninsula across the western boundary current regime. The section then crossed the northern end of the Kuril-Kamchatka Trench and extended southward along 165°E from 51.5°N to 5°S crossing such major features as the North Pacific subpolar gyre, Kuroshio Extension, subtropical gyre, and the equatorial current system. Full water column CTD/O<sub>2</sub> profiles and a suite of anthropogenic and natural tracers including chlorofluorocarbons (CFCs), helium-tritium, radiocarbon, total CO<sub>2</sub>, alkalinity, dissolved oxygen, dissolved nutrients and salinity were collected. These measurements will be used to study the distribution, sources, and formation rates of water masses and their flow patterns and time scales. The CFC and tritium measurements will be of use in studying the rates of upper and intermediate water mass formation and transport processes. CO<sub>2</sub> measurements will be used to study the flux of CO<sub>2</sub> from atmosphere to ocean and the importance of this region as a sink for CO<sub>2</sub>.

Four stations were occupied on the transit leg from Los Angeles to Dutch Harbor to test the CTD/rosette system. Another test cast was made in the Bering Sea during the transit from Dutch Harbor to the start of leg 1 of WOCE section P13 near the Kamchatka Peninsula. Fifty stations followed from the 200-m isobath southeastward down the continental slope, across the Kuril-Kamchatka Trench, then southward at 51.5°N along 165°E to 30°N. Nominal station spacing began at 30 miles but was increased to 40 miles south of 36°N after a series of delays. Concerns over the structural integrity of the R/V *Vickers* resulted in the termination of leg 1 several days prior to the scheduled date, and an emergency steam into Kwajalein. After an extended period of time in port for the evaluation and repair of the ship, the section was resumed with leg 2. With the time remaining, 33 stations were occupied between 30°N and 5°S along 165°E at 2-degree spacing north

of 4°N with closer spacing south of 4°N and between 19–22°N. Figure 1 shows station locations, where leg 1 stations are indicated by a triangle and leg 2 stations are marked by a square. Table 1 provides a summary of cast information.

## 2. STANDARDS AND PRE-CRUISE CALIBRATIONS

The Neil Brown Mark IIIb CTD/O<sub>2</sub> profiler is designed to make precise, high resolution measurements of conductivity, temperature, and pressure in the ocean environment. Electrical conductivity of sea water is obtained using a miniature four electrode ceramic cell and highly precise and stable interface electronics. The EG&G conductivity sensor has a range of 1 to 65 mmho, an accuracy of ±0.005 mmho, resolution of 0.001 mmho, and stability of 0.003 mmho/month. Temperature is determined using a platinum resistance thermometer. The Rosemount platinum thermometer has a range of –32° to 32°C, an accuracy of ±0.005 C (–3° to 32°C), resolution of 0.0005°C, and stability of 0.001°C/month. Pressure is determined using a high performance stainless steel strain gauge pressure transducer. A thermistor within the pressure sensor housing corrects pressure values for the effects of temperature changes on the sensor itself. The Paine pressure sensor has a range of 0 to 6500 db, an accuracy of ±6.5 db, resolution of 0.1 db, and stability of 0.1%/month. A Beckman polarographic dissolved oxygen electrode measures oxygen current and oxygen temperature. Data from the underwater unit is transmitted in real time to a shipboard data terminal through a 3-conductor electro-mechanical cable. The data is in TELETYPE (TTY) format and uses a frequency shift key (FSK) modulated signal superimposed on the DC power supplied to the underwater unit.

Pre-cruise calibrations were done at EG&G Marine Instruments in Cataumet, Massachusetts (Millard *et al.*, 1990). Temperature calibrations were determined using a 20-gallon Tronic Model CTB-1000A temperature bath and Model ATB-1250 Automatic Thermometer Bridge. Data were collected using a desk top computer at 0, 15, and 30°C, averaged for 1 minute at each temperature and a line was fit to these values. Conductivity calibrations were performed using four saltwater baths at room temperature, each of different salinities resulting in a conductivity range from 30 to 60 mmho. A correction was made to take into account the difference in thermal coefficient of linear expansion of the alumina CTD cell relative to the quartz conductivity cell on the Model CSA-1250 Conductivity Salinity Adaptor. A line was fit to these values. Pressure calibration of the CTD was performed by connecting a stainless steel pipe from the dead-weight tester to the CTD pressure port or directly to the pressure transducer. Weights were added or removed to generate pressures in ascending and descending increments for three calibration cycles. A third order polynomial was fit to five pressure values ranging from 0 to 6067 db.

The conductivity sensor usually drifts significantly from pre-cruise calibrations with use and is most accurately calibrated using *in situ* water sample salinities. Immediately prior to tripping the rosette, values of pressure, temperature, conductivity, oxygen current, and oxygen temperature were

recorded from the CTD deck unit. These upcast CTD values are usually used for comparison with sample salinity values.

### **3. DATA ACQUISITION**

PMEL's Neil Brown CTD/O<sub>2</sub> S/N 1111 (sampling rate 31 Hz) and a General Oceanics 36-bottle rosette were used for the majority of 88 stations. PMEL's Neil Brown CTD/O<sub>2</sub> S/N 1112 (sampling rate 31 Hz) and a General Oceanics 12-bottle rosette were used at five stations made during bad weather. Casts were made to within a nominal distance of 50 m from the bottom using a Benthos acoustic pinger mounted low and opposite the CTD sensor arm on the frame. The position of the package relative to the bottom was monitored on the ship's Precision Depth Recorder (PDR). A bottom depth was estimated from bathymetric charts and the PDR ran throughout the cast. Ten-liter Niskin bottles were used to collect water samples on the large package; 4-liter Niskins were used on the bad weather package. Samples were drawn for salinity, oxygen, nutrients, CFCs, radiocarbon, helium, tritium, total CO<sub>2</sub>, and alkalinity.

The package entered the water and was lowered at a rate of 30 m/min for the first 50 m. To reduce the chance of contamination in the bottles, the package was not soaked near the surface prior to descent. Speed was increased at 50 m to 45 m/min, and increased again at 200 m to 60 m/min. Ship roll sometimes caused substantial variation about these mean lowering rates. After retrieval of the package, sensors were flushed with fresh water and a plastic cover was placed around the sensor arm and filled with fresh water.

A Neil Brown Mark III deck unit received the FSK signal from the CTD and displayed pressure, temperature, conductivity, oxygen current, and oxygen temperature values. An analog signal was forwarded from the deck unit to an 'XYYY' recorder that monitored the data acquisition in real-time for signal spiking and problems with the electrical termination. An audio signal was backed up to video cassette. Digitized data were forwarded to a 286-AT personal computer equipped with EG&G Oceansoft acquisition software version 2.02 and backed up onto cartridge tape. Data files were transferred to a microVAX II where PMEL's standard processing and plotting software were installed. Plots were generated after each cast to check for problems and monitor sensor drift. Backups of the raw and processed data were made on TK50 cartridge tapes and returned to PMEL.

#### **3.1 Data Acquisition Problems**

A considerable amount of time was lost during the cruise owing to unplanned transit time resulting from the premature break of the line at 30°N, steaming to resume the line at 28°N, extended port stops, and delays along the cruise track because of ship's mechanical problems and bad weather. Additional time was lost on station owing to conducting cable and wire termination problems and deficiencies in the ship's Precision Depth Recorder (PDR).

Of the 83 stations along the line, during 22 the PDR bottom trace was indiscernible or the sweeps were not annotated. For stations 6–50, maximum CTD depths plus PDR heights off the

bottom were generally greater than the corrected PDR depth values by an average of 14 m (s.d. 37 m). For stations 51–68, maximum CTD depths plus PDR heights off the bottom were all much less than corrected PDR depths by an average of 138 m (s.d. 53 m). For stations 69–88 maximum CTD depths plus PDR heights off the bottom were an average of 4 m greater than the corrected PDR depths (s.d. 23 m). This behavior may be owing to mis-adjustments to the PDR settings.

The newly-designed General Oceanics Model 1016 36-position rosette sampler performed relatively well. The sampler provides real-time information on the position of the release lever and allows bottles to be closed in any order desired. Although a bottle or two sometimes failed to close properly during casts owing to sticky release pins on the underwater pylon, these problems could normally be diagnosed immediately from information sent from the underwater unit to the deck unit. This information gave the CTD operator the option of choosing to release another bottle at that depth if desired.

Station 53 was aborted at 2200 db owing to a deteriorating electrical termination. Due to an operator oversight, CTD data were lost for this cast and the audio backup was unrecoverable. Samples were collected during the upcast, however, and a bottle file exists for this station. At station 60, the package was put on the bottom. No samples were collected during the upcast.

### **3.2 Salinity Analyses**

Bottle salinity analyses were performed in a climate-controlled van using two Guildline Autosol Model 8400A inductive salinometers and IAPSO Standard Seawater from Wormley batch P114. The commonly accepted precision of the Autosol is 0.001 psu, with an accuracy of 0.003 psu. The Autosols were standardized before each run and either at the end of each run or after no more than 48 samples. The drift during each run was monitored and individual samples were corrected for the drift during each run by linear interpolation. Bottle salinities were compared with computed CTD salinities to identify leaking bottles, as well as to monitor the conductivity sensor performance and drift. Calibrated CTD salinities replace missing bottle salinities in the hydrographic data listing and are indicated by an asterisk. Bad bottle values have not been flagged in this report.

## **4. POST-CRUISE CALIBRATIONS**

Several files were combined to produce the .CAL calibration file for each CTD/O<sub>2</sub> package:

```
111n_ALL.CAL = raw P, raw T, raw C, OXC, OXT
```

Bottle salinities were received from D. Greeley in file SAL2\_88.DAT. It was decided post-cruise to back off any NRCC corrections applied at sea. SAL2\_88.DAT was broken into 1111\_ALL.SAL and 1112\_ALL.SAL. Bottle salinities were added to CTD/O<sub>2</sub> data using program ADDSAL:

```
111n_ALL.OUT = raw P, raw T, raw C, OXC, OXT, S0
```



Bottle oxygens were received from K. Hargreaves in file O2\_FINAL.DAT. Program OXYMLL converted the data from  $\mu\text{mol/l}$  to  $\text{ml/l}$  and output file O2\_FINAL.MLL. O2\_FINAL.MLL was broken into 1111\_ALL.MLL and 1112\_ALL.MLL. Bottle oxygens were added to .OUT files using program ADDOXY:

```
111n_ALL.FIN = raw P, raw T, raw C, OXC, OXT, S0, O2
```

Files .FIN were edited so records existed for all 36 (or 12) bottles of each cast whether samples were collected or not. This was done to account for each bottle in the WOCE .SEA file. For CTD/O<sub>2</sub> S/N 1111, 1111\_FIN.CAL contained stations 2, 4–27, 29–42, 47–52, 54–59, 61–88 and therefore  $n_{\text{data}} = 79 \text{ casts} * 36 \text{ bottles} = 2844$ . Since there were no CTD/O<sub>2</sub> data for station 53 owing to operator error, but its bottle data needed to be accounted for, CAST53.CAL was carried through the conductivity calibration scheme independently. The CTD values listed in CG192B053.BOT file are from the upcast. For CTD/O<sub>2</sub> S/N 1112, 1112\_FIN.CAL contained casts 3, 28, 43–46 and therefore  $n_{\text{data}} = 6 \text{ casts} * 12 \text{ bottles} = 72$ .

#### 4.1 Pressure

Program PBIAS was introduced into the calibration stream to correct for the pressure hysteresis between up and down pressure calibrations following Millard and Yang (1993). PBIAS reads CALIB.DAT for calibration coefficients and CGC92.HDR for maximum cast pressure and computes a corrected P using the following equation:

$$P = P(\text{up}) * (1 - W) + P(\text{dn}) * W$$

$$W = \exp(-(P(\text{bottom}) - P(\text{dn})) / Z)$$

where P is the derived uptrace pressure, P(up) is the pressure value scaled with the uptrace calibration polynomial, P(dn) is the pressure value scaled with the downtrace calibration polynomial, P(bottom) is the maximum pressure of the station, and Z is 300 db. PBIAS writes:

```
111n_PCOR.CAL = raw P, cal P, raw T, raw C, OXC, OXT, S0, O2
```

For CTD/O<sub>2</sub> S/N 1111, uptrace and downtrace scaling coefficients were the averages of pre-(EG&G) and post-cruise (NW Regional Calibration Center, NRCC) pressure calibrations and were applied as follows in program PBIAS:

$$P = E + D * PRAW + C * PRAW^2 + B * PRAW^3$$

where

	E	D	C	B
P(DOWN):	-2.0048	.9968708	0.159752E-5	-0.1804412E-09
P(UP):	-2.6546	.9938283	0.281344E-5	-0.2951405E-09

The differences between pre- and post-cruise pressure calibrations were 4–6 db, mostly a bias. Program MATCH searched downtrace .CTD files output from EPCTD92 and matched PBIAS calibrated uptrace pressures with DLAGAVZ calibrated downtrace pressures (no pressure calibration was applied in EPCTD92). Downtrace values replaced uptrace values for pressure (as well as temperature and conductivity) in the .CAL and subsequent bottle files.

PBIAS was not used with CTD/O<sub>2</sub> S/N 1112 data because the up and down pressure calibration coefficients from EG&G in June of 1992 were very similar. Up and down pressure values for CTD/O<sub>2</sub> S/N 1112 were scaled with pre-cruise (EG&G) coefficients in program CALMSTRW for uptrace data and DLAGAVZ for downtrace data. No additional pressure calibrations were applied in EPCTDW.

	E	D	C	B
P(DOWN) = P(UP):	-0.18188	.9955384	0.194715E-5	-0.2006194E-09

## 4.2 Temperature

Final temperature calibrations for CTD/O<sub>2</sub> S/N 1111 were the averages of pre- (EG&G) and post-cruise (NRCC) coefficients and applied in DLAGAVZ as follows:

$$T = E + D * TRAW$$

where E = -0.0022 and D = 0.9999610. The differences between pre- and post-cruise temperature calibrations were 0.3 m°C at 0°C and 0.7 m°C at 30°C. No additional calibrations were applied in EPCTD92 and it was these downtrace temperature values that replaced uptrace temperature values in the .CAL and subsequent bottle files.

Final temperature calibrations for CTD/O<sub>2</sub> S/N 1112 were pre-cruise (EG&G) coefficients, E = -0.00027 and D = 1.0000130, applied to uptrace data in CALMSTRW and downtrace data in DLAGAVZ. No additional temperature calibrations were applied in EPCTDW.

## 4.3 Conductivity

Because standard calibration strategies did not produce good results for CTD/O<sub>2</sub> S/N 1111, downtrace CTD conductivities were used for the calibration to water sample data. Program MATCH read \_PCOR.CAL and EPCTD92 .CTD files (raw, lagged, cell corrected conductivity) and matched up/down pressures. It then used downtrace calibrated P, calibrated T, and raw, lagged, cell corrected C to replace uptrace values in a \_DOWN.CAL file:

1111\_DOWN.CAL = raw P, cal P, cal T, raw C, OXC, OXT, S0, O2

LINCAL92 reads \_DOWN.CAL and computes a linear least squares fit between raw CTD conductivity and bottle conductivity. LINCAL92 does not apply P or T calibrations and does not correct CTD conductivity for the cell dependence as this was already done on downtrace data in EPCTD92.

This cruise was divided into 9 groups and only bottles greater than 1500 db were used in the fits for CTD/O<sub>2</sub> S/N 1111 conductivity:

	LEG	BIAS	SLOPE	STD DEV	NPTS
1111AD_DOWN.CAL = stations 6-11	1	0.0316455	0.999069	.0029	35
1111BD_DOWN.CAL = station 12	1	-0.0073853	1.000197	.0028	9
1111CD_DOWN.CAL = stations 13-18	1	-0.1287451	1.003862	.0021	82
1111DD_DOWN.CAL = stations 19-36	1	-0.0424973	1.001208	.0016	239
1111ED_DOWN.CAL = stations 37-42	1	-0.0689275	1.001992	.0020	75
1111FD_DOWN.CAL = stations 47-55	1	-0.0210941	1.000546	.0018	98
1111GD_DOWN.CAL = station 56	2	-0.1231067	1.003531	.0009	13
1111HD_DOWN.CAL = stations 57-74	2	-0.0442417	1.000821	.0021	216
1111ID_DOWN.CAL = stations 75-88	2	-0.0503203	1.000910	.0015	126

Additional conductivity offsets were applied to 15 casts. This was done by regridding the poorly calibrated cast and an adjacent well calibrated cast according to potential temperature using EPIC (Soreide *et al.*, 1995) utility CTDGRID with the AKIMA (shape-preserving) cubic spline option. The range of potential temperature varied between pairs of casts but was usually the deepest common increment of 0.2°C. The grid size was 0.01°C. The mean difference in salinity between casts was computed using interactive program CTDDIFF. Then for each regridded scan of the poorly calibrated cast, a new conductivity was calculated using the value of salinity plus delta-salinity. The differences between the old and new conductivities were averaged using interactive program COMPUTE and added to the conductivity calibration bias applied:

POOR CAST	GOOD CAST	MEAN DELTA-S	MEAN DELTA-C	NAVG	THETA RANGE
9	10	.0048	.0033	10	1.50-1.70
14	16	-.0035	-.0029	12	1.13-1.28
15	16	-.0037	-.0030	12	1.13-1.28
18	19	.0013	.0011	7	1.10-1.20
24	23	-.0044	-.0036	12	1.10-1.25
54	55	-.0013	-.0011	18	1.05-1.25
57	59	.0014	.0012	17	1.00-1.20
58	59	.0022	.0018	17	1.00-1.20
61	59	-.0019	-.0015	14	1.00-1.20
64	55	-.0020	-.0016	15	1.05-1.25
65	55	-.0028	-.0023	18	1.05-1.25
68	67	-.0037	-.0030	13	1.12-1.28
73	75	-.0019	-.0016	18	1.07-1.27
74	75	-.0018	-.0015	18	1.07-1.27
84	82	-.0232	-.0189	17	1.39-1.59

CALMSTR92 reads `_DOWN.CAL` and the best fit conductivity coefficients from a command file. CALMSTR92 does not apply P or T calibrations and does not correct CTD conductivity for cell dependence as this was already done on downtrace data in EPCTD92. CALMSTR92 applies the computed conductivity calibrations and writes `_DOWN.CLB` and `_DOWN.SEA` (bottle data listing in WOCE format).

```
1111_DOWN.CLB = cal P, cal T, cal C, sal, S0, oxy, O2 etc.
```

CALMSTR92 computes CTD oxygen and applies oxygen calibration coefficients read from the `.CAL` file header (originally from `CALIBO.DAT`). EPICBOMSTRW reads `.CLB` files and creates EPIC `.BOT` bottle files:

```
CG092Bnnn.BOT = cal P, cal T, theta, S0, O2, sigma-t, sigma-theta
```

CTD-bottle conductivity differences used for the final fits are plotted against cast number to show the stability of the calibrated CTD conductivities relative to the bottle conductivities (Fig. 2 upper panel). The entire set of CTD-bottle conductivity differences are plotted against pressure to show the tight fit below 1000 m and the increasing scatter above 1000 m (Fig. 2 lower panel).

#### 4.4 Oxygen

OXDWN2W reads `_PCOR.CAL` header for oxygen, pressure, and temperature calibration coefficients. These values must be the same as those applied to downtrace data in DLAGAVZ (i.e., `CALIB.DAT`). OXDWN2W reads `_PCOR.CAL` cast by cast and creates pressure, temperature, and bottle oxygen arrays. Pressure calibrations were not applied to CTD/O<sub>2</sub> S/N 1111 data as this was done by program PBIAS. Calibrations were however applied to temperature. OXDWN2W then reads an ASCII `.CTD` file output from DLAGAVZ and searches it for matching up/down temperatures that must be within a pressure range of  $\pm 30$  db to be used in the calibration. OXDWN2W replaces uptrace CTD P, T, OXC and OXT values with downtrace CTD P, T, OXC and OXT values. CTD oxygen is then computed using pre-cruise calibration coefficients from `.CAL` header and written to the `.CLO` file:

```
1111_DOWN.CLO = cal P, cal T, OXC, OXT, bottle O2, CTD O2
```

Program WEIGHT was written to duplicate scans in the `.CLO` file where pressure was greater than 1000 db in an attempt to fit a balanced distribution of shallow and deep samples.

POXFITW reads `.CLO` and first omits scans where 1) the Weiss oxygen saturation value computed in OXDWN2W exceeds 10.0 ml/l, 2) bottle oxygen exceeds 1.2 times the Weiss oxygen saturation value, or 3) bottle oxygen is less than a minimum of .001 ml/l. POXFITW then

determines CTD oxygen calibration coefficients by calculating a non-linear least-squares fit with 6 varying parameters: oxygen current slope, oxygen current bias, pressure correction, temperature correction, internal/external temperature weighting, and oxygen lag. Scans for which the difference in CTD and bottle oxygen is greater than 2.8 times the standard deviation are discarded and the function is minimized again. Iterations continue until no scans are thrown out. POXFITW writes an .REJ file of scans not used in the final fit and .PAR:

```
1111_DOWN.PAR = BOC, SOC, PCOR, TCOR, WT, OXLAG, STD DEV, NFIT
```

This cruise was divided into 8 groups and bottles greater than 1000 db were duplicated for CTD/O<sub>2</sub> S/N 1111 oxygen:

CASTS 5-7, 3 CASTS STD DEV=0.66592E-01 NSCANS 50 DOX=0.186						
BIAS	SLOPE	PCOR	TCOR	WT	OXLAG	
-0.008	3.526	0.1689E-03	-0.8151E-01	0.4738E+00	0.1216E+02	
CASTS 8-22, 15 CASTS STD DEV=0.46418E-01 NSCANS 480 DOX=0.130						
BIAS	SLOPE	PCOR	TCOR	WT	OXLAG	
0.010	3.373	0.1516E-03	-0.4973E-01	0.7491E+00	0.1263E+02	
CASTS 23-27, 5 CASTS STD DEV=0.34275E-01 NSCANS 133 DOX=0.096						
BIAS	SLOPE	PCOR	TCOR	WT	OXLAG	
0.016	3.439	0.1406E-03	-0.5283E-01	0.8348E+00	0.4187E+01	
CASTS 29-36, 8 CASTS STD DEV=0.51974E-01 NSCANS 228 DOX=0.146						
BIAS	SLOPE	PCOR	TCOR	WT	OXLAG	
0.012	3.269	0.1537E-03	-0.4090E-01	0.9113E+00	0.2319E+00	
CASTS 37-42, 6 CASTS STD DEV=0.57043E-01 NSCANS 171 DOX=0.160						
BIAS	SLOPE	PCOR	TCOR	WT	OXLAG	
0.010	3.166	0.1595E-03	-0.3693E-01	0.6870E+00	0.8168E+01	
CASTS 47-59, 12 CASTS STD DEV=0.97325E-01 NSCANS 375 DOX=0.273						
BIAS	SLOPE	PCOR	TCOR	WT	OXLAG	
0.015	2.990	0.1643E-03	-0.3174E-01	0.7699E+00	0.3878E+00	
CASTS 61-69, 9 CASTS STD DEV=0.48878E-01 NSCANS 302 DOX=0.137						
BIAS	SLOPE	PCOR	TCOR	WT	OXLAG	
0.008	3.217	0.1594E-03	-0.3405E-01	0.7525E+00	0.2933E+00	
CASTS 70-88, 19 CASTS STD DEV=0.46279E-01 NSCANS 626 DOX=0.130						
BIAS	SLOPE	PCOR	TCOR	WT	OXLAG	
0.022	3.049	0.1650E-03	-0.3157E-01	0.6893E+00	0.5506E+00	

CALOX2W reads .CLO and .PAR and applies the oxygen calibration coefficients. CALOX2W writes \_PLOT.CLO for use with DOXW.PPC to verify the success of the calibration:

```
1111_PLOT.CLO = cal P, cal T, OXC, OXT, bottle O2, cal CTD O2
```

Final oxygen calibration coefficients were included in EPCTD92 command files for downtrace data. Oxygen spikes were individually removed from many traces using EPIC utility CTDINTERP.

CTDOXY was not included in the WOCE .SEA file; only bottle oxygen data in  $\mu\text{mol/kg}$ . Program ADDTMP added oxygen pickling temperatures to the .CAL file. CALMSTRW\_O2 was modified to 1) read the pickling temperatures as well, 2) if there was no pickling temperature, use potential temperature, 3) compute sigma using function SVAN (CTD salinity, pickling temperature, 0, sigma), 4) convert sigma to density:  $\text{sigma}/1000+1$ , and 5) convert bottle oxygens in ml/l to  $\mu\text{mol/kg}$  according to WOCE Hydrographic Operations and Methods (July 1991) section 3.3 Conversion of Volumetric to Weight Concentrations:

$$\text{O}_2 (\mu\text{mol/kg-sw}) = 44.660 * \text{O}_2 (\text{ml/l}) / \text{density sw}$$

where the value 44.660 equals (1000/molar volume of oxygen gas at STP). Downtrace CTD oxygens are recorded in ml/l.

## 5. POST-CRUISE PROCESSING

VI00Dnnn.EDT = raw P, raw T, raw C, sign, OXC, OXT

DPDNZ reads .EDT and computes a running fall rate over  $\pm 30$  scans. DPDNZ writes .RECZ for record range and .DPZ:

VI00Dnnn.DPZ = raw P, raw T, raw C, sign, OXC, OXT, dpdn

DLAGAVZ reads .DPZ and applies calibrations read from CALIB.DAT:

1111 6 380						
-2.0048	.9968708	0.159752E-5	-0.1804412E-09	P	DN	AVG 93
-2.6546	.9938283	0.281344E-5	-0.2951405E-09	P	UP	AVG 93
-0.0022	.9999610	0.000000E-6	0.0000000E-10	T	68	AVG 93
-0.0107	1.0002100	0.000000E-6	0.0000000E-10	C		JUN 92
1112 6 380						
-0.18188	.9955384	0.194715E-5	-0.2006194E-09	P	DN	JUN 92
-0.18188	.9955384	0.194715E-5	-0.2006194E-09	P	UP	JUN 92
-0.00027	1.0000130	0.000000E-6	0.0000000E-10	T	68	JUN 92
-0.00036	1.0000150	0.000000E-6	0.0000000E-10	C	.	JUN 92
1114 6 380						
20.44148	.9949346	0.120144E-5	-0.828378E-10	P	DN	NOV 90
17.88878	.9924060	0.240110E-5	-0.201636E-09	P	UP	NOV 90
-0.00102	.9998243	0.000000E-6	0.000000E-10	T	68	NOV 90
-0.00309	.9998623	0.000000E-6	0.000000E-10	C		NOV 90

For this cruise, post-cruise pressure and temperature calibration coefficients were the averages of pre- (EG&G) and post-cruise (NRCC) values for CTD/O<sub>2</sub> S/N 1111.

1111 6 380 EG&G						
-0.0329	.9971750	0.155581E-5	-0.1791408E-09	P	DN	JUN 92
-0.1008	.9943933	0.259377E-5	-0.2747487E-09	P	UP	JUN 92
-0.0006	1.0000170	0.000000E-6	0.0000000E-10	T	68	JUN 92
1111 6 380 NRCC						
-3.9767	.9965666	0.163923E-5	-0.1817416E-09	P	DN	FEB 93
-5.2083	.9932633	0.303312E-5	-0.3155322E-09	P	UP	FEB 93
-0.0039	.9999050	0.000000E-6	0.0000000E-10	T	68	FEB 93

Conductivity coefficients applied in DLAGAVZ were pre-cruise. DLAGAVZ also lags conductivity as follows:

```

DO 150 I=1,60
  XDATA(I,3)=(1-A)*XDATA(I,3)+A*Y(3)
150  Y(3)=XDATA(I,3)

```

where XDATA(I,3) is calibrated conductivity and A=0.87. Pre-cruise calibrations are then backed off for raw, lagged conductivity. DLAGAVZ writes an ASCII .CTD file:

```
CG0nnn.CTD = cal P, cal T, OXC, OXT, raw, lagged C
```

EPCTDW reads the ASCII .CTD and looks to its command file for additional calibrations to apply to P (none), T (none), and C (from LINCALW). EPCTDW corrects conductivity for cell material (alumina) deformation dependence on P and T as follows:

$$CC = CR*(1-\alpha*(DATA(2,L)-15.)+\beta*(DATA(1,L)/3.))$$

where DATA(1,L) is pressure, DATA(2,L) is temperature,  $\alpha = 6.5E-06$  and  $\beta = 1.5E-08$ . EPCTDW also reads default oxygen coefficients from its command file. EPCTDW writes EPIC .CTD:

```
CG092Cnnn.CTD = cal P, cal T, raw, lagged, corrected C, cal O
```

EPCTD92 reads ASCII .CTD and looks to an EPCTD92 command file for additional calibrations to apply to P (none), T (none), C (from LINCAL92), and O (from POXFITW). EPCTD92 corrects conductivity for the cell's dependence on P and T as follows:

$$CC = CR*(1-\alpha*(DATA(2,L)-2.8)+\beta*(DATA(1,L)-3000.))$$

where DATA(1,L) is pressure, DATA(2,L) is temperature,  $\alpha = 6.5E-06$  and  $\beta = -1.3E-07$ . EPCTD92 writes to EPIC .CTD:

```
CG092Cnnn.CTD = cal P, cal T, cal C, cal O
```

EPCTD92 .CTD files were searched by conductivity calibration program MATCH for downtrace P, T, and C values at matching uptrace T values within a matching pressure range of  $\pm 30$  db. Note that station 40 CTD downtrace is missing 0–29 db and station 88 is missing 0–55 db. Therefore 5 bottle stops had no match.

A few casts used a modified version of EPCTD92 where the beta term differed from the majority. For cast 12, EPCTD92\_12 used  $\beta = -1.0E-07$ . For cast 56, EPCTD92\_56 used  $\beta = -1.7E-07$ . And for cast 84, EPCTD92\_84 used  $\beta = 1.0E-07$ . Also, casts 2, 4, and 5 used EPCTDW with the old cell correction algorithm and normal beta term.

Salinity and other standard variables were computed and the final EPIC .CTD files were added to PMEL's data base and used to produce data report plots and listings. The station depth given in an EPIC header is the corrected PDR bottom depth when available. The nominal sound speed of the pinger was 1463 m/s and had to be corrected to 1500 m/s post-cruise according to Matthews' Tables (Carter, 1980). PDR depths were then corrected for regional variations in sound speed according to Matthews' Tables. The depth scale for fathometer in meters used was 1 fathom = 1.8288 meters.

## 6. DATA PRESENTATION

The final calibrated data in EPIC format were used to produce the plots and listings which follow. The majority of the plots were produced using Plot Plus Scientific Graphics System (Denbo, 1992). Tables 2–6 define the abbreviations and units used in the CTD/O<sub>2</sub> data summary listings. Vertical sections of potential temperature, salinity, and CTD oxygen are contoured with pressure as the vertical axis and latitude as the horizontal axis (Figs. 3–5). Nominal vertical exaggerations are 500:1 below 1000 db (lower panels) and 1250:1 above 1000 db (upper panels). Plots and summary listings of the CTD/O<sub>2</sub> data follow for each cast. All sample salinity and oxygen values are given including bad values, which are not flagged in this report. Hydrographic bottle data at discrete depths are listed in the final section.

## 7. PARTICIPATING INSTITUTIONS/PERSONNEL

NOAA Pacific Marine Environmental Laboratory (PMEL)  
NOAA Climate Modelling and Diagnostics Laboratory (CMDL)  
University of Washington (UW)  
Battelle Laboratory, Sequim (Bat)  
University of Hawaii (UH)  
Scripps Institution of Oceanography (SIO)  
Woods Hole Oceanographic Institution (WHOI)



University of South Florida (USF)  
Academia Sinica (AS)—People's Republic of China

Measurement	Principal Investigator	Institution
CTD/O <sub>2</sub>	B. Taft	PMEL
CFCs	J. Bullister	PMEL
Helium-3	W. Jenkins	WHOI
	J. Lupton	PMEL
Tritium	W. Jenkins	WHOI
Oxygen	J. Bullister	PMEL
Total CO <sub>2</sub>	A. Dickson	SIO
	J. Downing	Bat
Alkalinity	C. Keeling	SIO
Nutrients	K. Fanning	USF
DIC	P. Quay	UW
C14 (radiocarbon)	P. Quay	UW
ADCP	R. Pinkel	SIO
	P. Hacker	UH
RAFOS floats/sound source	S. Riser	UW
ALACE floats	R. Davis	SIO
Underway atmospheric/ dissolved gas measurements	J. Butler	CMDL

		Leg 0	Leg 1	Leg 2
John Bullister, PMEL	Chief Scientist/CFC	x	x	
Bruce Taft, PMEL	Chief Scientist/CTD			x
David Wisegarver, PMEL	CFC		x	x
Fred Menzia, PMEL	CFC	x	x	
Dana Greeley, PMEL	salinity		x	x
Kirk Hargreaves, PMEL	oxygen	x	x	x
Kristy McTaggart, PMEL	CTD	x	x	x
Mike Stapp, PMEL	CTD	x		
Kevin O'Brien, PMEL	CTD			x
E. Howard Rutherford, USF	nutrients	x	x	x
Kevin Riskowitz, USF	nutrients	x	x	x
Ron Greene, OSU	helium/tritium		x	x
Andrew Dickson, SIO	total CO <sub>2</sub>			x
George Anderson, SIO	total CO <sub>2</sub>		x	
Ron Citterman, Battelle	total CO <sub>2</sub>		x	x
Peter Guenther, SIO	alkalinity		x	
Guy Emanuele, SIO	alkalinity		x	x
Lloraine Bell, SIO	alkalinity			x
Bing-Sun Lee, UW	CFC	x		
Brian Salem, UW	C-13/C-14		x	
Stagg King, UW	C-13/C-14	x		

		Leg 0	Leg 1	Leg 2
Beth Plotkin, UW	carbon monoxide	x		x
Dale Ripley, UW	RAFOS/CTD		x	
Karl Newyear, UW	RAFOS/CTD		x	
Jim Butler, CMDL	trace gases	x		x
Jurgen Lobert, CMDL	trace gases	x	x	x
Tom Baring, CMDL	trace gases	x	x	x
Rob Pinkel, SIO	ADCP	x		
Eric Slater, SIO	ADCP	x		
Lloyd Green, SIO	ADCP	x		
Mike Goldin, SIO	ADCP	x		
Chris Neely, SIO	ADCP	x		
Amy Hsu, SIO	ADCP	x		
Craig Huhta, UH	LADCP			x
Junshun Zhang, AS	CFC	x	x	x
Lijun Han, AS	chemistry	x	x	x
Jeff Benson, USC	marine tech	x	x	x
George Onodera, USC	marine tech	x	x	x
Tony Arnold, USC	electronics tech	x	x	x
Mike Getscher, USC	owner rep	x		

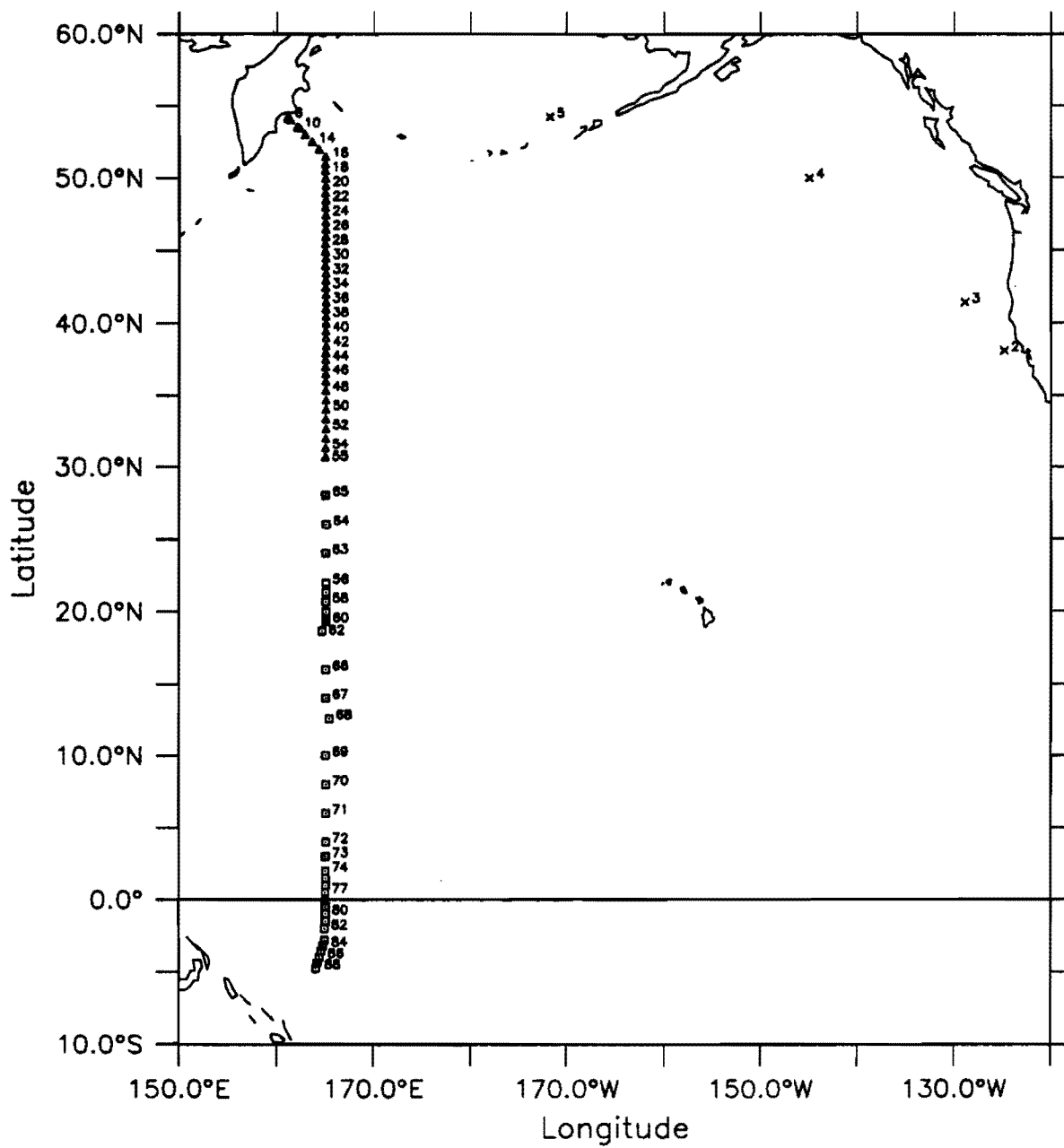
## 8. ACKNOWLEDGMENTS

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## 9. REFERENCES

- Carter, D.J.T. (1980): Echo-Sounding Correction Tables: Formerly Matthews' Tables. Hydrographic Department, Ministry of Defence, Taunton.
- Denbo, D.W. (1992): PPLUS Graphics, P.O. Box 4, Sequim, WA, 98382.
- Joyce, T. (Editor) 1991. WOCE Operations Manual, Sections Titled: Conversion of Volumetric to Weight Concentrations, WHPO 91-1.
- Millard, R.C., B.J. Lake, N.L. Brown, J.M. Toole, D. Schaaf, K. Yang, H. Yu, and L. Zhao (1990): US/PRC CTD Intercalibration Report 1986-1990. Woods Hole Oceanographic Institution Technical Report No. WHOI-90-53, 17-18.
- Millard, R. and K. Yang (1993): CTD Calibration and Processing Methods used at Woods Hole Oceanographic Institution. Draft.
- Soreide, N.N., M.L. Schall, W.H. Zhu, D.W. Denbo and D.C. McClurg (1995): EPIC: An Oceanographic Data Management, Display and Analysis System. 11th International Conference on Interactive Processing Systems for Meteorology, Oceanography, and Hydrology, January 15-20, 1995, Dallas, TX (in press).

## **FIGURES AND TABLES**



## CTD Station Locations

Figure 1. CTD station locations made on the R/V *Vickers* from 7 August to 17 October, 1992.

Table 1. CTD cast summary.

STN #	CAST #	LATITUDE	LONGITUDE	DATE	TIME	W/D T	W/S (kts)	DEPTH* (m)	SST (C)	CAST (db)
1	1	36 37.8N	123 13.5W	7 AUG 92	442	323	18	3250	16.2	1997
2	2	38 4.7N	124 49.9W	7 AUG 92	2207	295	15	3805	16.9	3503
3	3	41 25.7N	128 52.2W	8 AUG 92	2332	313	10	3154	18.7	2500
4	4	49 59.0N	144 59.0W	11 AUG 92	2218	222	14	4165	13.0	4288
5	5	54 14.7N	171 44.6W	17 AUG 92	2024	142	30	3234	8.2	3309
6	6	54 14.7N	161 6.0E	21 AUG 92	640	322	17		9.5	202
7	7	54 13.1N	161 8.0E	21 AUG 92	827			573	9.2	504
8	8	54 7.7N	161 9.8E	21 AUG 92	1114	296	22		8.7	1817
9	9	54 2.6N	161 22.0E	21 AUG 92	1531	297	14		9.3	2600
10	10	53 33.4N	162 3.7E	21 AUG 92	2250	225	5	3450	10.2	3529
11	11	53 29.0N	162 10.4E	22 AUG 92	443	160	3		10.3	4704
12	12	53 26.5N	162 22.4E	23 AUG 92	39	222	14		10.6	4777
13	13	53 1.2N	162 53.8E	23 AUG 92	931	250	16		10.2	5949
14	14	52 31.3N	163 35.2E	23 AUG 92	1940	236	30	5190	10.0	5252
15	15	52 0.9N	164 17.3E	24 AUG 92	833	231	20	4913	9.9	5004
16	16	51 29.7N	164 59.1E	24 AUG 92	1828	234	19		9.6	4858
17	17	50 59.1N	164 57.7E	25 AUG 92	205	336	16	4845	9.5	4782
18	18	50 30.8N	164 57.2E	25 AUG 92	942	276	16	5597	9.8	5670
19	19	49 59.1N	165 0.1E	25 AUG 92	1738	310	13	5515	9.5	5581
20	20	49 30.1N	165 0.7E	26 AUG 92	102	347	6	5515	9.9	5619
21	21	48 59.6N	164 58.2E	26 AUG 92	853	252	2	5500	10.1	5669
22	22	48 29.9N	165 1.0E	26 AUG 92	1627	280	7	5873	10.4	5949
23	23	47 59.4N	165 0.1E	26 AUG 92	2356	288	9	5850	10.7	5949
24	24	47 30.1N	165 0.2E	27 AUG 92	740	260	15	5905	10.8	5947
25	25	46 59.8N	164 59.2E	27 AUG 92	1520	289	15	5873	11.7	5949
26	26	46 30.0N	165 1.1E	27 AUG 92	2247	295	17	5832	12.4	5947
27	27	46 0.2N	165 0.0E	28 AUG 92	616	300	10	5782	13.4	5902
28	28	45 29.8N	164 58.7E	28 AUG 92	1641	25	4		13.2	5003
29	29	44 59.4N	164 58.8E	30 AUG 92	1744	280	15	5908	12.9	5950
30	30	44 29.7N	165 0.6E	31 AUG 92	124	250	14	5919	14.1	5948
31	31	44 0.2N	164 57.8E	31 AUG 92	847	251	4	5689	14.0	5803
32	32	43 30.2N	165 1.1E	31 AUG 92	1612	200	8	5564	15.0	5658
33	33	43 0.5N	165 0.0E	31 AUG 92	2322	171	12	5409	15.5	5517
34	34	42 29.9N	164 59.4E	1 SEP 92	611	159	13	5008	15.7	5076
35	35	42 0.7N	165 1.9E	1 SEP 92	1300	180	17	4730	16.8	4922
36	36	41 29.8N	165 0.5E	1 SEP 92	2040	172	22		18.8	4861
37	37	41 1.3N	164 59.4E	2 SEP 92	429	170	22	5287	19.0	5361
38	38	40 30.4N	165 0.6E	2 SEP 92	1323	252	13	5512	19.7	5600
39	39	40 0.9N	165 0.2E	2 SEP 92	2107	104	2	5497	19.5	5576
40	40	39 29.7N	165 1.1E	3 SEP 92	459	285	8	5264	21.4	5325
41	41	39 1.2N	165 1.2E	3 SEP 92	1229	189	12	5449	21.7	5488
42	42	38 28.8N	165 2.4E	3 SEP 92	2023	190	19	4658	22.0	4676
43	43	37 59.4N	165 0.4E	4 SEP 92	1119	196	26		22.0	4702
44	44	37 30.9N	165 1.1E	4 SEP 92	1924	190	20		21.3	3401
45	45	37 0.9N	164 59.9E	5 SEP 92	357	188	17		21.7	4551
46	46	36 31.8N	165 0.4E	5 SEP 92	1307	182	14	5574	22.8	5628
47	47	36 0.8N	165 0.5E	5 SEP 92	2136	232	12	5501	23.2	5594
48	48	35 21.6N	165 0.7E	6 SEP 92	646	148	15		25.3	4710
49	49	34 42.0N	165 3.2E	6 SEP 92	1548	145	20		26.0	5649
50	50	34 2.5N	165 3.2E	7 SEP 92	224	129	15		26.6	5751
51	51	33 22.6N	165 0.9E	7 SEP 92	1454	118	14	6288	26.5	5949
52	52	32 41.9N	165 1.5E	8 SEP 92	153	128	16	6247	26.8	6116
53	53	32 0.0N	165 0.4E	8 SEP 92	1343	109	18		27.2	2196
54	54	31 19.6N	164 59.1E	9 SEP 92	1322	90	17	6053	27.1	5916
55	55	30 41.3N	164 58.5E	10 SEP 92	26	75	22		27.3	5581
56	56	21 58.0N	165 0.6E	30 SEP 92	1259	34	15		27.6	5353
57	57	21 19.2N	165 0.5E	30 SEP 92	2213	20	15	5773	27.6	5690
58	58	20 39.9N	164 59.2E	1 OCT 92	742	313	6	5698	28.5	5633

Table 1. (continued)

STN #	CST #	LATITUDE	LONGITUDE	DATE	TIME	W/D T	W/S (kts)	DEPTH* (m)	SST (C)	CST (db)
59	59	19 59.3N	165 0.3E	1 OCT 92	1645	295	15	5491	28.6	5415
60	60	19 18.9N	165 0.4E	2 OCT 92	40					1670
61	61	19 32.2N	165 2.2E	2 OCT 92	1332	210	20		28.7	4548
62	62	18 39.9N	164 35.9E	2 OCT 92	2329	209	15	5403	28.8	5150
63	63	24 2.6N	164 59.1E	4 OCT 92	811	155	20		27.1	5705
64	64	26 1.7N	165 3.9E	5 OCT 92	502	155	18		26.4	4402
65	65	28 2.0N	165 0.0E	5 OCT 92	2159	153	21	5925	26.1	5544
66	66	16 0.5N	164 59.5E	8 OCT 92	1448	82	24	5388	28.6	5112
67	67	14 0.5N	164 59.4E	9 OCT 92	700	160	18	5477	28.9	5317
68	68	12 35.3N	165 22.0E	9 OCT 92	2329	88	27	5024	28.9	4758
69	69	10 0.5N	165 0.1E	10 OCT 92	2001	185	16	5106	29.2	5139
70	70	8 0.2N	165 0.3E	11 OCT 92	1050	180	7	5229	29.6	5262
71	71	6 0.2N	165 1.1E	12 OCT 92	126	45	5	5005	29.9	4939
72	72	4 0.1N	165 0.3E	12 OCT 92	1502	95	10	4480		4486
73	73	3 0.1N	164 59.6E	12 OCT 92	2349	100	14	4228	29.8	4279
74	74	1 59.8N	164 59.4E	13 OCT 92	807	80	10	4173	30.0	4225
75	75	1 30.2N	164 59.2E	13 OCT 92	1451	65	10	4264		4308
76	76	1 0.0N	164 59.2E	13 OCT 92	2102	80	7	4326	30.2	4377
77	77	0 30.3N	164 59.0E	14 OCT 92	330	95	6	4366	30.5	4423
78	78	0 1.4N	164 54.4E	14 OCT 92	1605	300	7	4315	30.1	4431
79	79	0 29.9S	164 59.9E	14 OCT 92	2150	261	10	4424	29.9	4483
80	80	0 59.5S	164 59.6E	15 OCT 92	410	174	12	4430	30.2	4487
81	81	1 29.9S	164 59.2E	15 OCT 92	1054	210	10	4454	30.1	4501
82	82	1 59.8S	164 55.5E	15 OCT 92	1716	200	16	4479	30.5	4519
83	83	2 47.8S	164 54.8E	16 OCT 92	137	132	15	3329	30.1	3277
84	84	3 11.4S	164 43.6E	16 OCT 92	725	161	14	3728	30.2	3782
85	85	3 34.3S	164 32.4E	16 OCT 92	1306	30	17	3292	30.2	3320
86	86	3 58.5S	164 21.5E	16 OCT 92	1752	20	15	2195	30.2	2225
87	87	4 21.6S	164 10.4E	16 OCT 92	2231	46	14	2372	30.1	2392
88	88	4 44.9S	164 0.2E	17 OCT 92	312	152	11	1834	29.9	1836

\* For stations 51 through 68, bottom depths are suspected to be deep by an average of 138 m owing to PDR problems (see text).

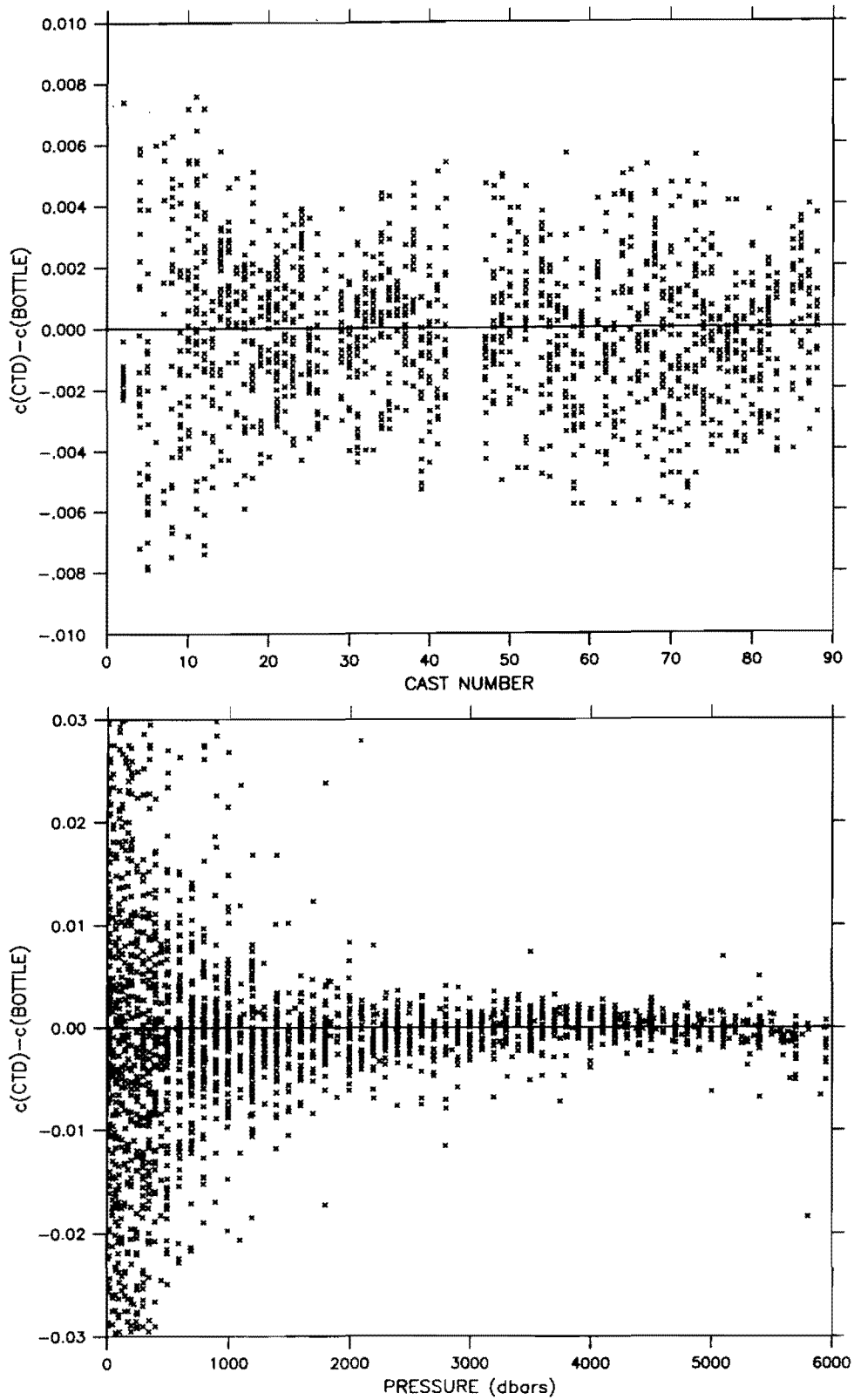


Figure 2. Calibrated CTD-bottle conductivity (mmho/cm) differences plotted against cast number (upper panel). Calibrated CTD-bottle conductivity (mmho/cm) differences plotted against pressure (lower panel).

TABLE 2. Weather condition code used to describe each set of CTD measurements.

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

TABLE 3. Sea state code used to describe each set of CTD measurements.

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 4. 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 5. 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 6. 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

# 165°E POTENTIAL TEMPERATURE (°C)

## August 21 – October 17, 1992

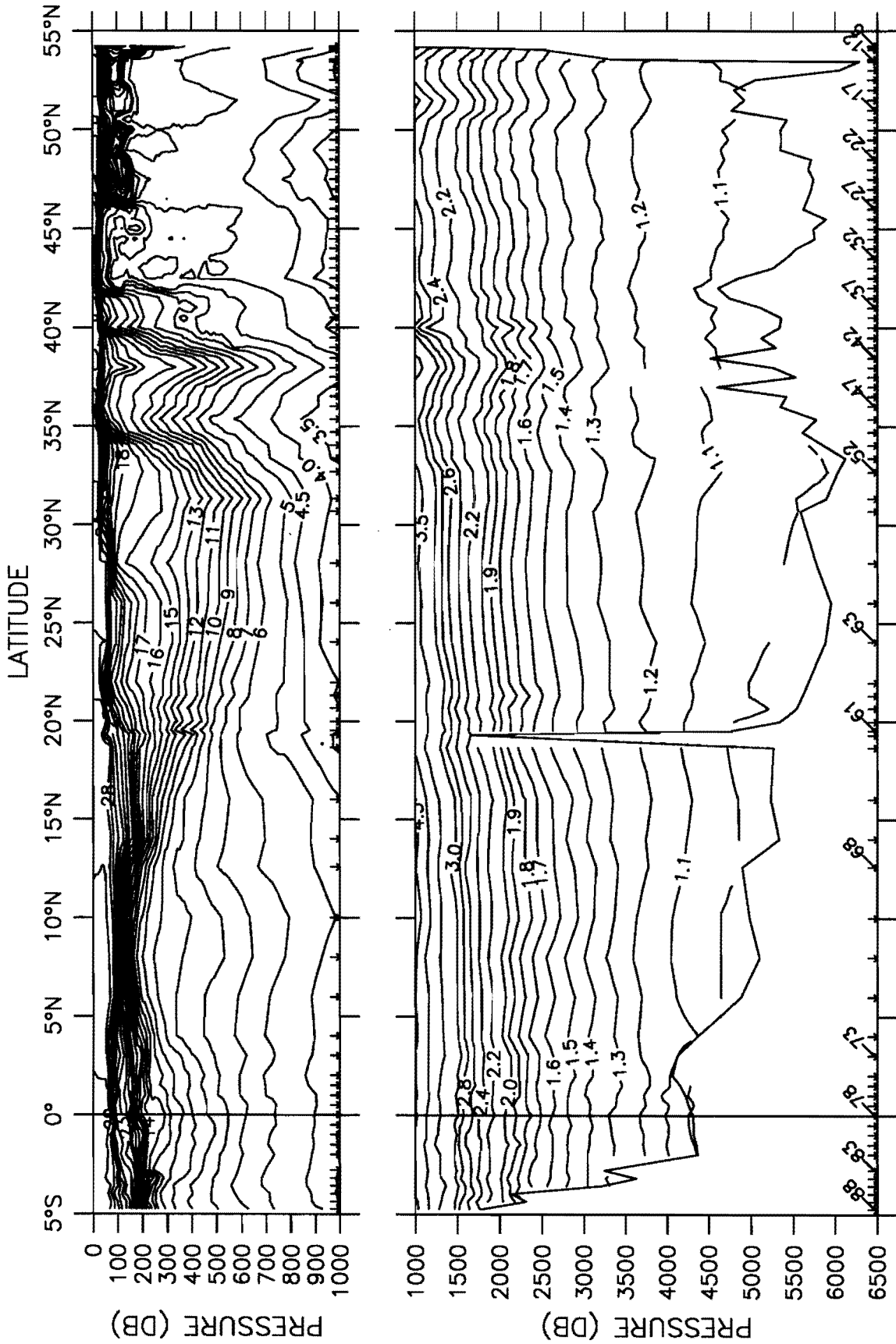


Figure 3. Potential temperature (°C) section along 165°E. Contour intervals are 0.2°C from 0–3°C, 0.5°C from 3–5°C, and 1°C from 5–35°C in the upper panel. Contour intervals are 0.1°C from 0–2°C, 0.2°C from 2–3°C, 0.5°C from 3–5°C in the lower panel.

# 165°E SALINITY (PSU)

August 21 – October 17, 1992

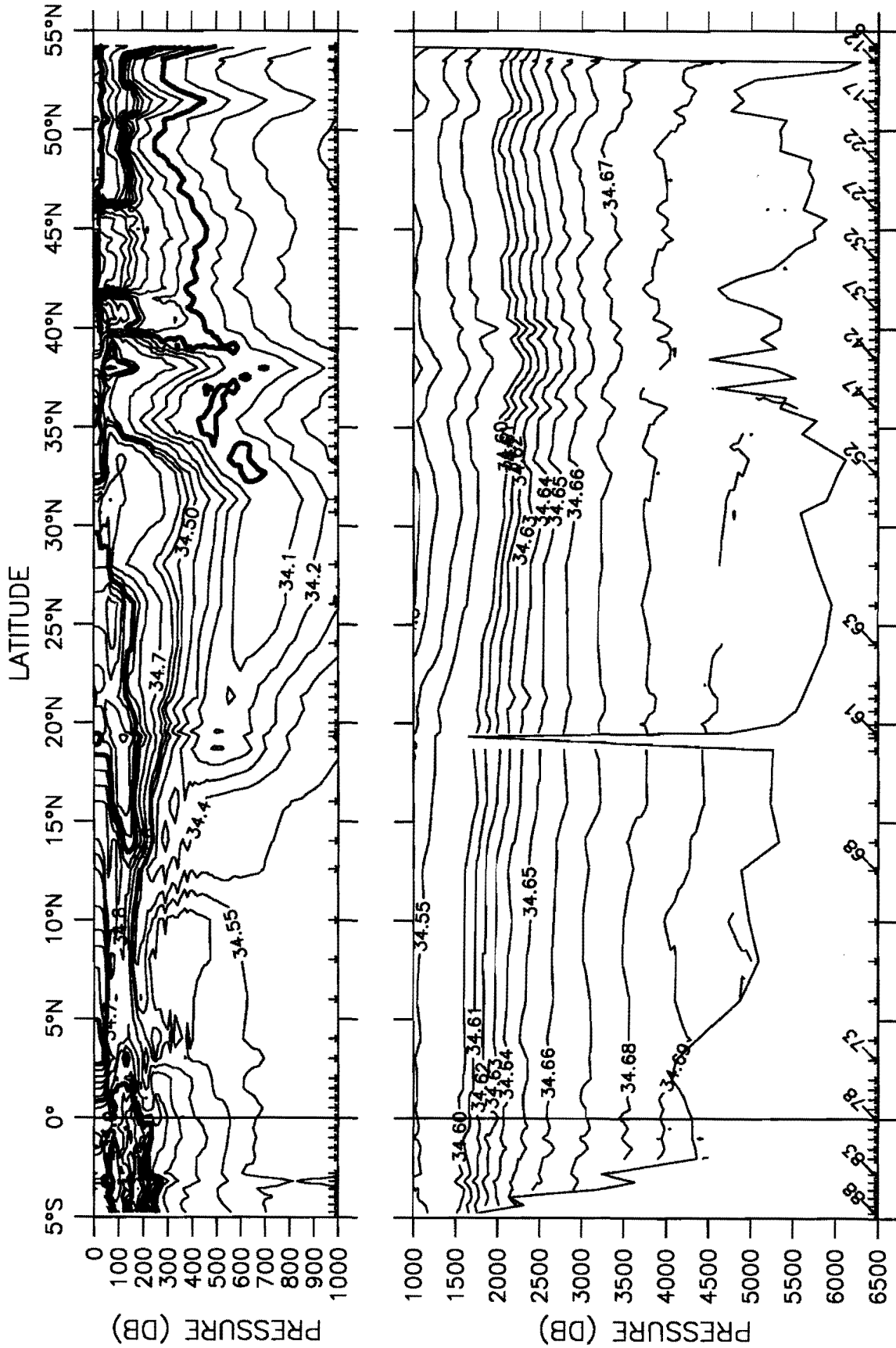


Figure 4. Salinity (psu) section along 165°E. Contour intervals are 0.1 psu from 34.0–34.5 psu, 0.05 psu from 34.5–34.6 psu, and 0.1 psu from 34.6–37.0 psu in the upper panel. Contour intervals are 0.1 psu from 34.0–34.5 psu, 0.05 psu from 34.5–34.6 psu, and 0.01 psu from 34.6–34.8 psu in the lower panel.

165°E OXYGEN (ML/L)  
August 21 – October 17, 1992

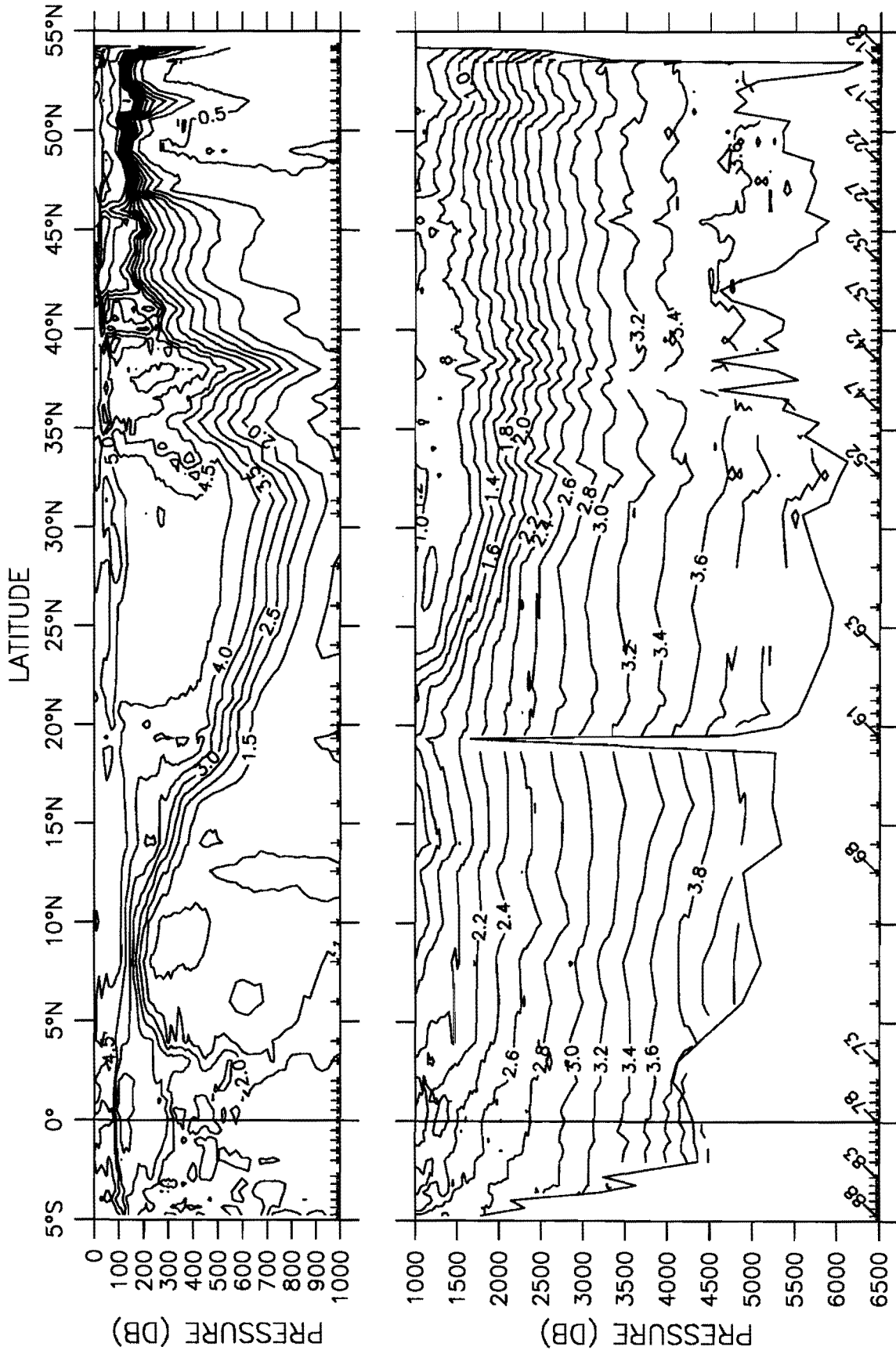
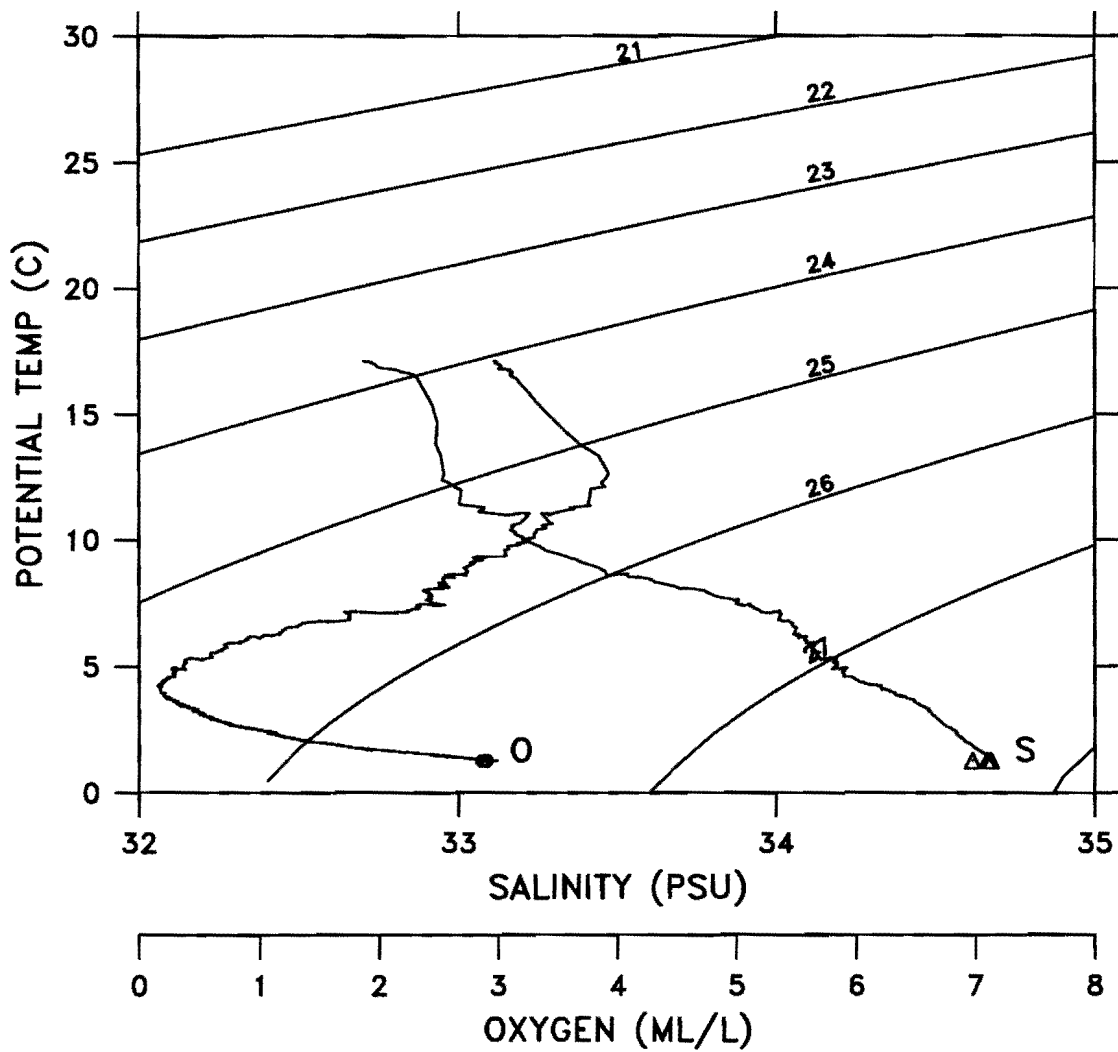


Figure 5. CTD oxygen (ml/l) section along 165°E. Contour intervals are 0.5 ml/l in the upper panel and 0.2 ml/l in the lower panel.



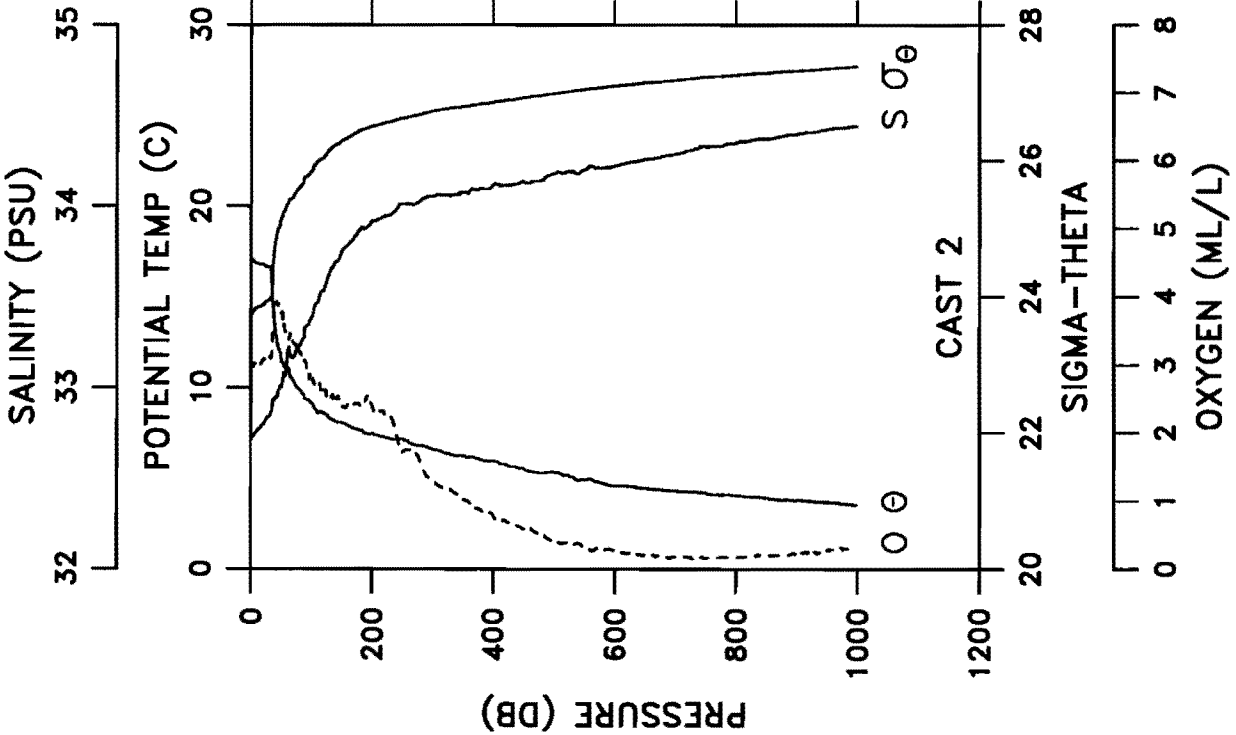
## **CTD/O<sub>2</sub> DATA SUMMARY**

CAST CG0-92-VI -002 DATE 07 AUG 92 TIME 2207 GMT  
LAT 38 04.7N LONG 124 49.9W



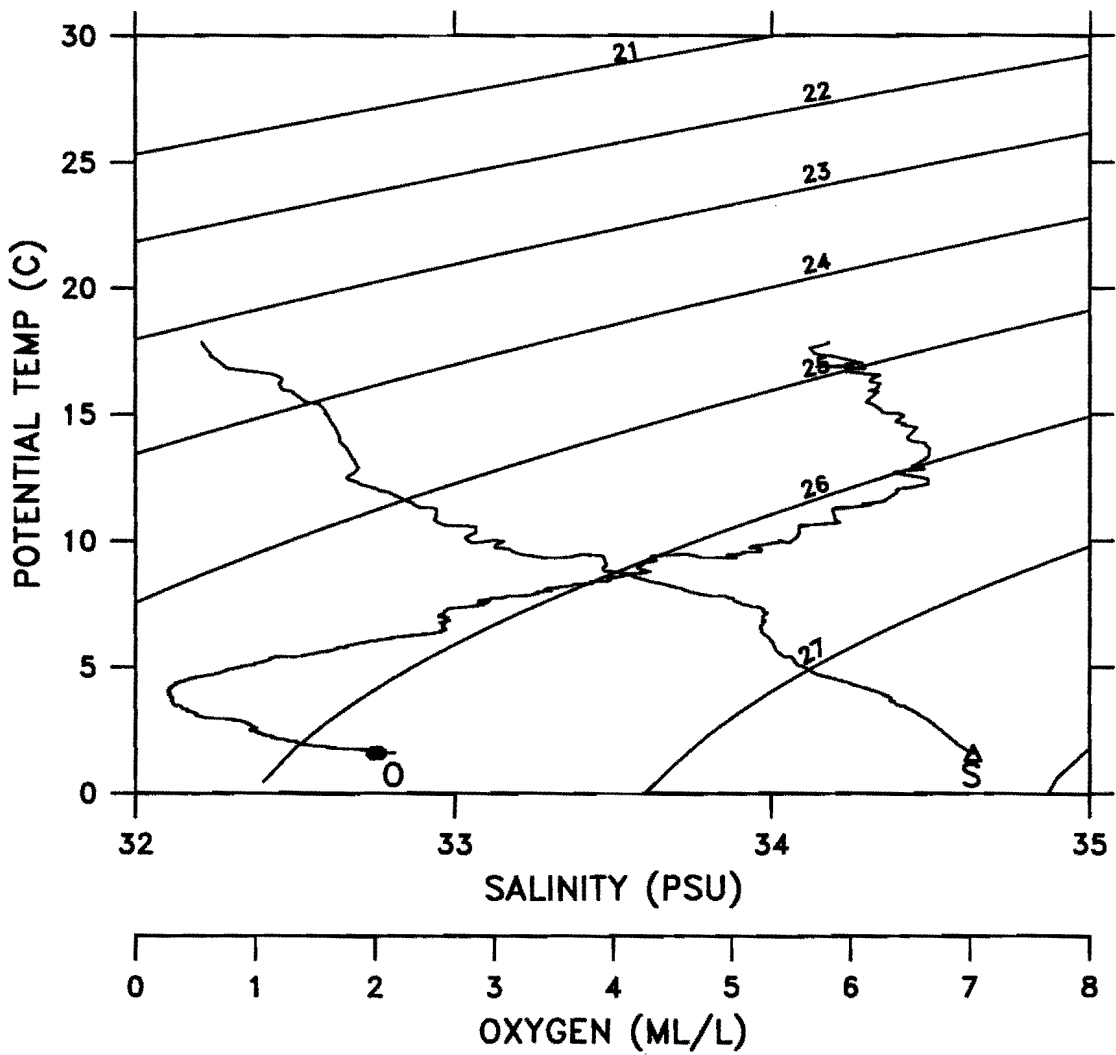


CAST CGO-92-VI -002 DATE 07 AUG 92 TIME 2207 GMT  
 LAT 38 04.7N LONG 124 48.9W WEATHER 0 SEA STATE 3  
 BAROMETER 18 WIND DIR 295 T SPD 15 KT VISIBILITY 7  
 CLOUD 9 AMOUNT 1 DRY 19.3 WET 17.8 DEPTH 3805 M

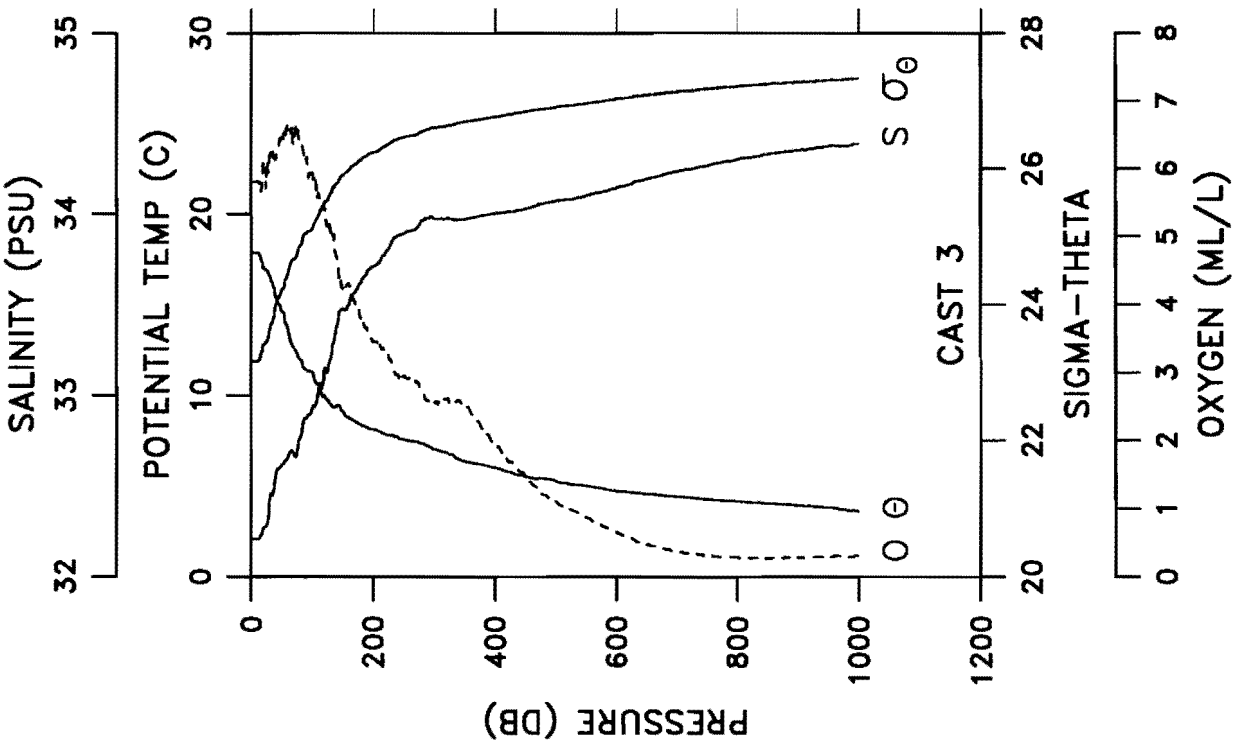


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	17.117	32.700	2.98	23.723	0.000
10	16.827	32.759	3.02	23.836	0.041
20	16.781	32.797	3.08	23.876	0.081
30	16.627	32.844	3.11	23.947	0.121
40	13.083	32.947	3.87	24.787	0.158
50	11.421	33.001	3.75	25.144	0.188
60	11.062	33.193	3.42	25.358	0.215
70	10.353	33.170	3.32	25.464	0.240
80	9.879	33.230	3.16	25.591	0.265
90	9.361	33.334	3.05	25.756	0.288
100	9.144	33.380	2.79	25.827	0.310
110	8.579	33.469	2.73	25.985	0.331
120	8.544	33.536	2.55	26.043	0.351
130	8.305	33.632	2.50	26.154	0.371
140	8.095	33.694	2.50	26.235	0.389
150	8.037	33.752	2.39	26.289	0.407
160	7.898	33.785	2.42	26.335	0.424
170	7.733	33.820	2.42	26.387	0.441
180	7.628	33.868	2.39	26.439	0.457
190	7.452	33.879	2.51	26.473	0.473
200	7.465	33.918	2.39	26.502	0.489
250	7.145	34.012	1.70	26.621	0.564
300	6.581	34.053	1.31	26.730	0.634
350	6.191	34.074	1.03	26.797	0.700
400	5.935	34.113	0.79	26.860	0.763
450	5.533	34.135	0.59	26.927	0.823
500	5.313	34.177	0.43	26.987	0.880
550	4.892	34.197	0.33	27.051	0.935
600	4.584	34.219	0.26	27.103	0.987
650	4.434	34.257	0.20	27.149	1.037
700	4.295	34.285	0.19	27.187	1.085
750	4.184	34.328	0.17	27.233	1.131
800	4.057	34.349	0.18	27.262	1.175
900	3.793	34.394	0.23	27.326	1.260
1000	3.534	34.442	0.31	27.389	1.340
1500	2.522	34.550	0.94	27.568	1.679
2000	1.865	34.615	1.68	27.674	1.954
2500	1.581	34.648	2.28	27.722	2.196
3000	1.399	34.666	2.66	27.750	2.426
3500	1.265	34.677	2.99	27.768	2.652
3503	1.264	34.677	2.99	27.768	2.653

CAST CG0-92-VI -003 DATE 08 AUG 92 TIME 2332 GMT  
LAT 41 25.7N LONG 128 52.2W

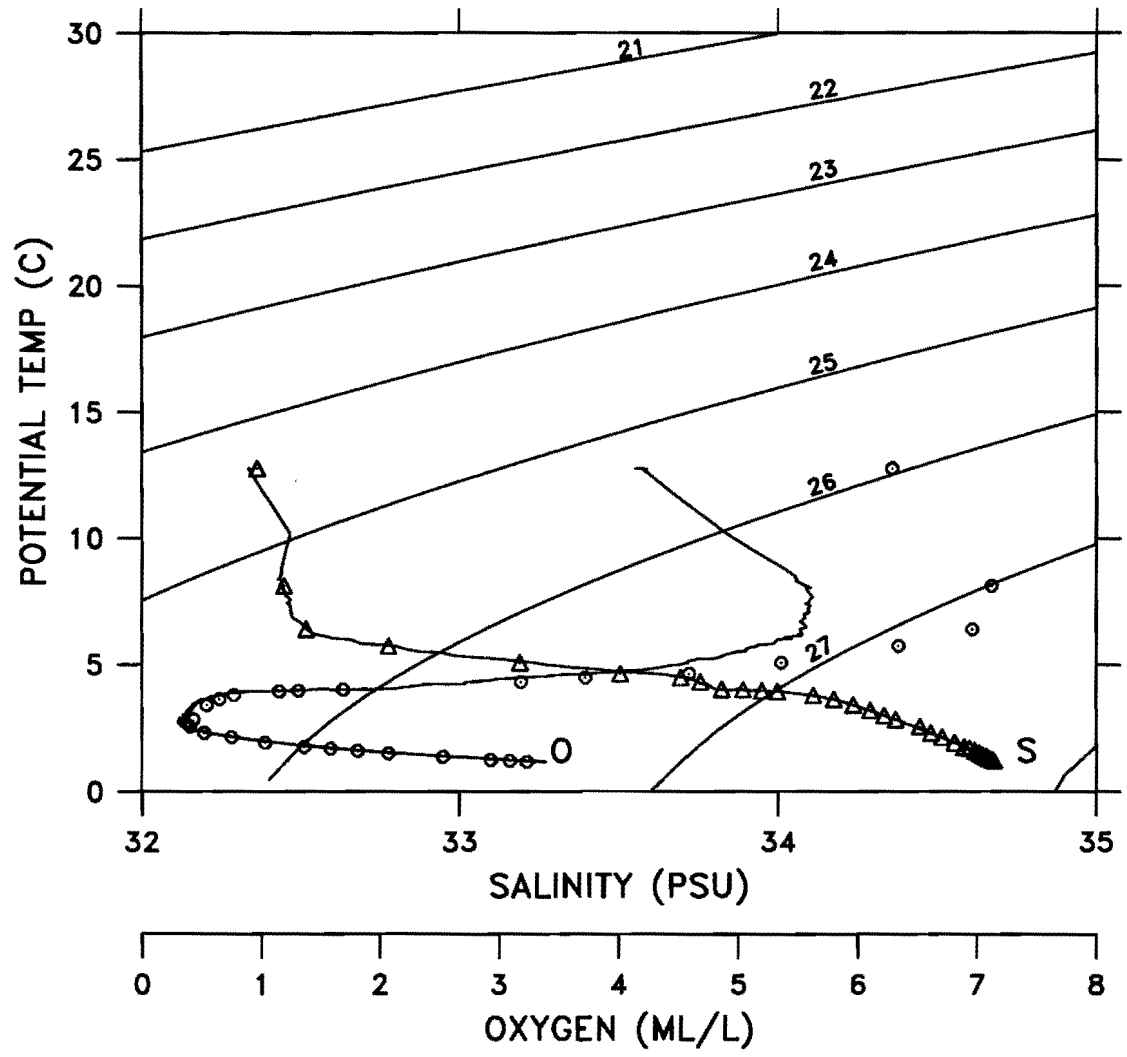


CAST CGO-92-VI -003 DATE 08 AUG 92 TIME 2332 GMT  
 LAT 41 25.7N LONG 128 52.2W WEATHER 1 SEA STATE 3  
 BAROMETER 21 WIND DIR 313 T SPD 10 KT VISIBILITY 7  
 CLOUD 4 AMOUNT 2 DRY 22.1 WET 18.1 DEPTH 3154 M

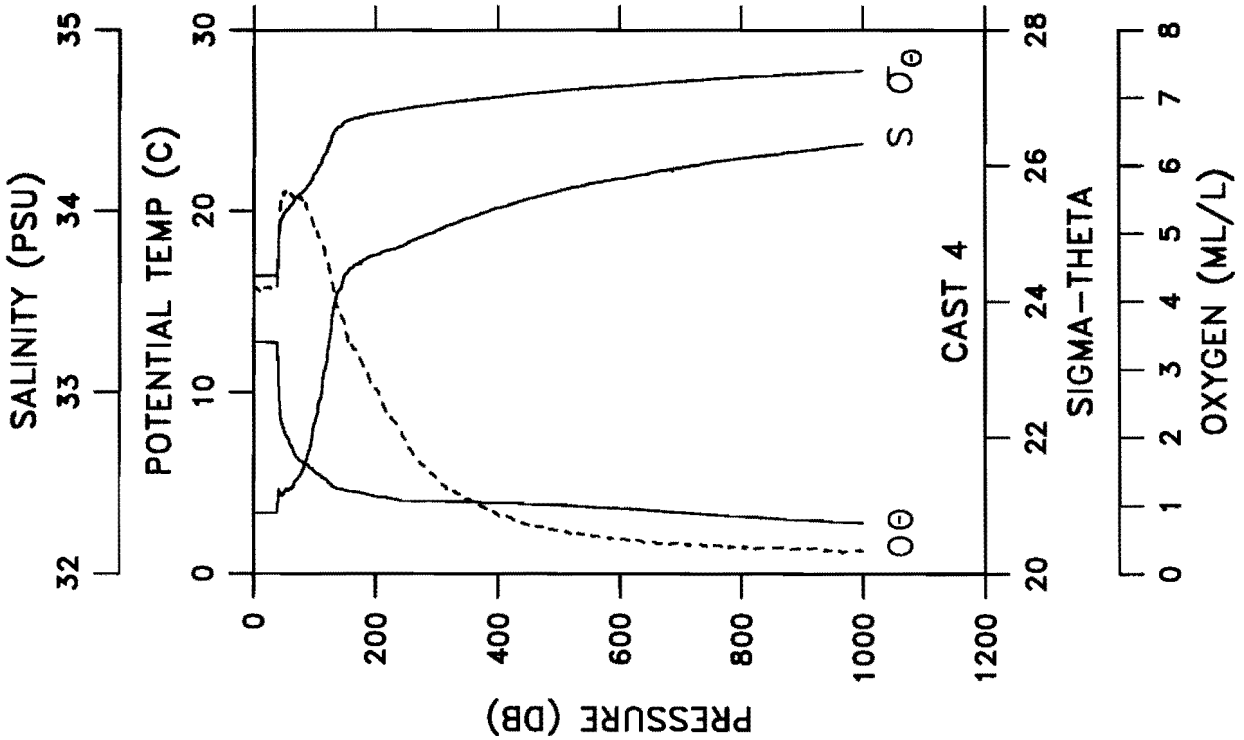


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	17.860	32.206	5.81	23.169	0.000
10	17.858	32.206	5.82	23.169	0.047
20	16.997	32.269	5.96	23.421	0.093
30	16.616	32.421	6.14	23.626	0.137
40	15.466	32.538	6.14	23.974	0.178
50	14.621	32.616	6.47	24.216	0.217
60	13.653	32.660	6.67	24.451	0.253
70	12.622	32.674	6.43	24.665	0.286
80	11.977	32.764	6.39	24.858	0.318
90	11.417	32.872	6.15	25.045	0.348
100	11.311	32.925	5.99	25.105	0.377
110	10.802	33.007	5.64	25.294	0.405
120	9.984	33.154	5.42	25.513	0.431
130	9.482	33.206	5.08	25.637	0.455
140	9.418	33.382	4.69	25.785	0.478
150	9.126	33.478	4.23	25.907	0.500
160	8.791	33.498	4.29	25.975	0.520
170	8.574	33.569	4.01	26.064	0.540
180	8.386	33.621	3.82	26.134	0.560
190	8.225	33.679	3.65	26.203	0.578
200	8.131	33.709	3.45	26.241	0.597
250	7.592	33.890	2.95	26.461	0.681
300	7.029	33.974	2.55	26.607	0.758
350	6.368	33.971	2.52	26.692	0.830
400	6.006	34.003	1.95	26.764	0.898
450	5.530	34.028	1.49	26.843	0.962
500	5.283	34.071	1.11	26.906	1.023
550	5.006	34.102	0.87	26.963	1.082
600	4.705	34.148	0.65	27.033	1.138
650	4.557	34.194	0.47	27.086	1.191
700	4.416	34.236	0.38	27.135	1.242
750	4.285	34.267	0.32	27.173	1.290
800	4.166	34.301	0.29	27.213	1.337
900	3.940	34.352	0.29	27.277	1.427
1000	3.608	34.387	0.31	27.338	1.511
1500	2.635	34.522	0.99	27.536	1.865
2000	1.896	34.593	1.46	27.654	2.154
2500	1.592	34.632	2.15	27.708	2.403
2500	1.592	34.632	2.15	27.708	2.403

CAST CG0-92-VI -004 DATE 11 AUG 92 TIME 2218 GMT  
LAT 49 59.0N LONG 144 59.0W

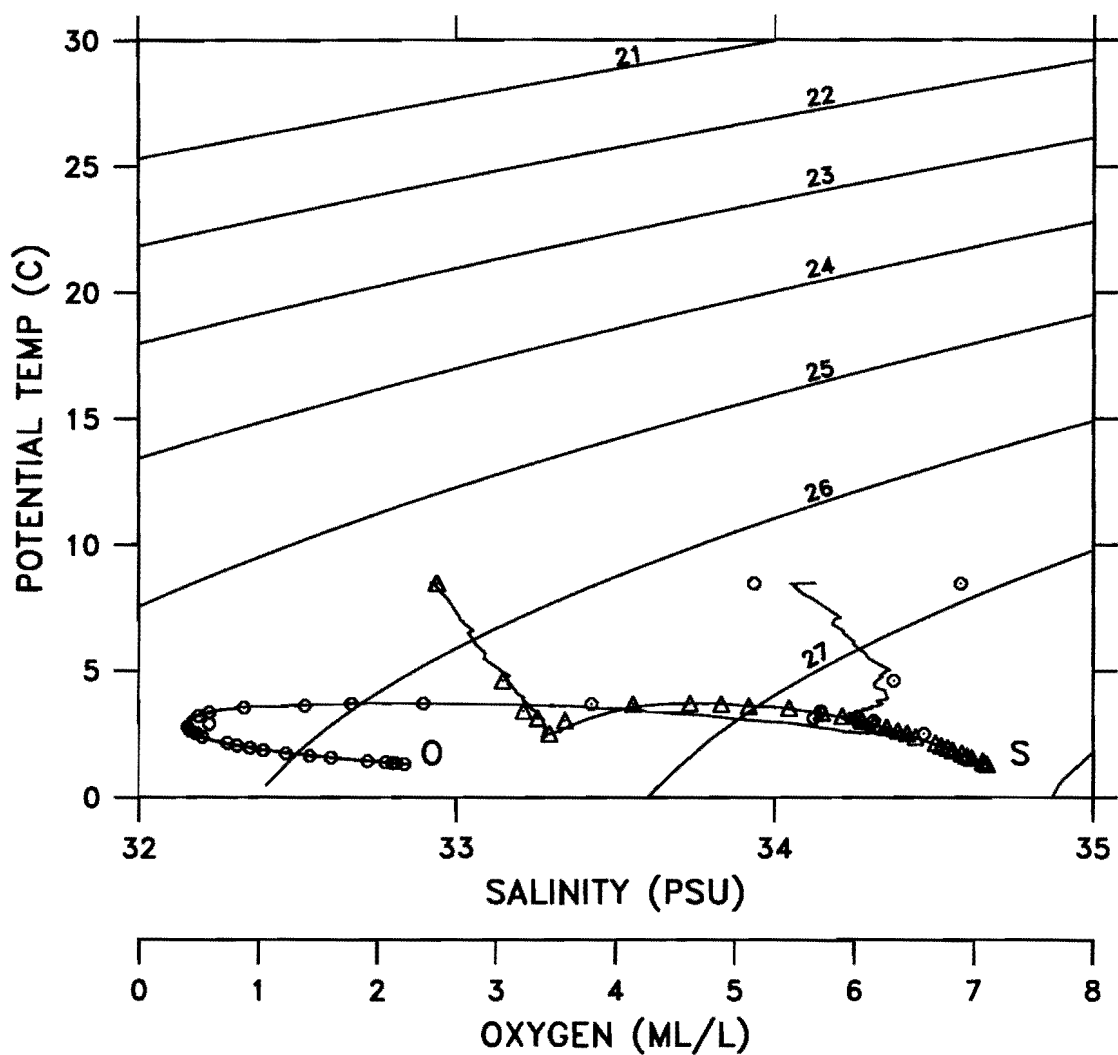


CST CGO-92-VI -004 DATE 11 AUG 92 TIME 2218 GMT  
 LAT 49 59.0N LONG 144 59.0W WEATHER 2 SEA STATE 4  
 BAROMETER 18 WIND DIR 222 T SPD 14 KT VISIBILITY 7  
 CLOUD 4 AMOUNT 8 DRY 14.0 WET 11.8 DEPTH 4165 M

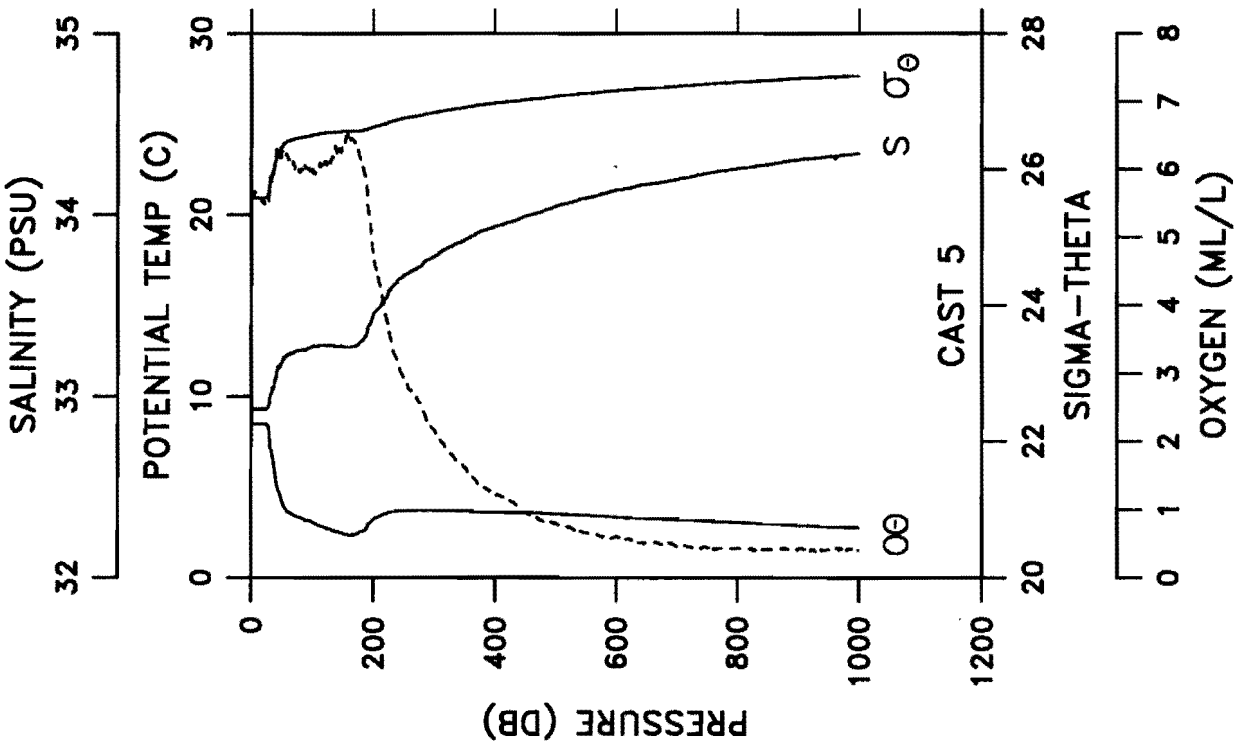


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SKG-TH	DELTA-D (DYN-M)
0	12.778	32.338	4.17	24.375	0.000
10	12.765	32.336	4.15	24.376	0.035
20	12.761	32.336	4.20	24.377	0.071
30	12.750	32.336	4.22	24.379	0.106
40	11.609	32.393	4.50	24.638	0.141
50	7.828	32.453	5.60	25.299	0.170
60	7.136	32.467	5.59	25.406	0.196
70	6.410	32.516	5.52	25.540	0.221
80	6.137	32.567	5.46	25.614	0.245
90	5.936	32.669	5.31	25.719	0.268
100	5.627	32.828	5.08	25.881	0.290
110	5.393	32.971	4.89	26.022	0.311
120	5.159	33.168	4.59	26.205	0.330
130	4.814	33.439	4.24	26.458	0.347
140	4.682	33.561	3.85	26.570	0.362
150	4.808	33.649	3.59	26.648	0.376
160	4.542	33.685	3.36	26.683	0.390
170	4.508	33.704	3.22	26.702	0.403
180	4.443	33.729	3.05	26.729	0.417
190	4.350	33.748	2.84	26.754	0.430
200	4.267	33.754	2.71	26.768	0.443
250	4.020	33.816	1.96	26.842	0.505
300	3.996	33.892	1.41	26.905	0.565
350	3.962	33.958	1.10	26.962	0.622
400	3.923	34.018	0.87	27.013	0.677
450	3.844	34.068	0.73	27.061	0.729
500	3.776	34.110	0.65	27.101	0.780
550	3.683	34.151	0.56	27.143	0.829
600	3.611	34.179	0.50	27.172	0.876
650	3.510	34.210	0.48	27.206	0.922
700	3.394	34.237	0.44	27.239	0.967
750	3.265	34.268	0.41	27.276	1.010
800	3.169	34.290	0.39	27.303	1.051
900	2.981	34.331	0.37	27.353	1.131
1000	2.815	34.370	0.33	27.399	1.207
1500	2.208	34.496	0.69	27.551	1.540
2000	1.743	34.588	1.52	27.661	1.818
2500	1.543	34.623	2.04	27.705	2.068
3000	1.355	34.654	2.66	27.743	2.302
3500	1.245	34.670	3.07	27.763	2.528
4000	1.182	34.681	3.31	27.777	2.754
4288	1.167	34.685	3.32	27.781	2.886

CAST CG1-92-VI -005 DATE 17 AUG 92 TIME 2024 GMT  
LAT 54 14.7N LONG 171 44.6W

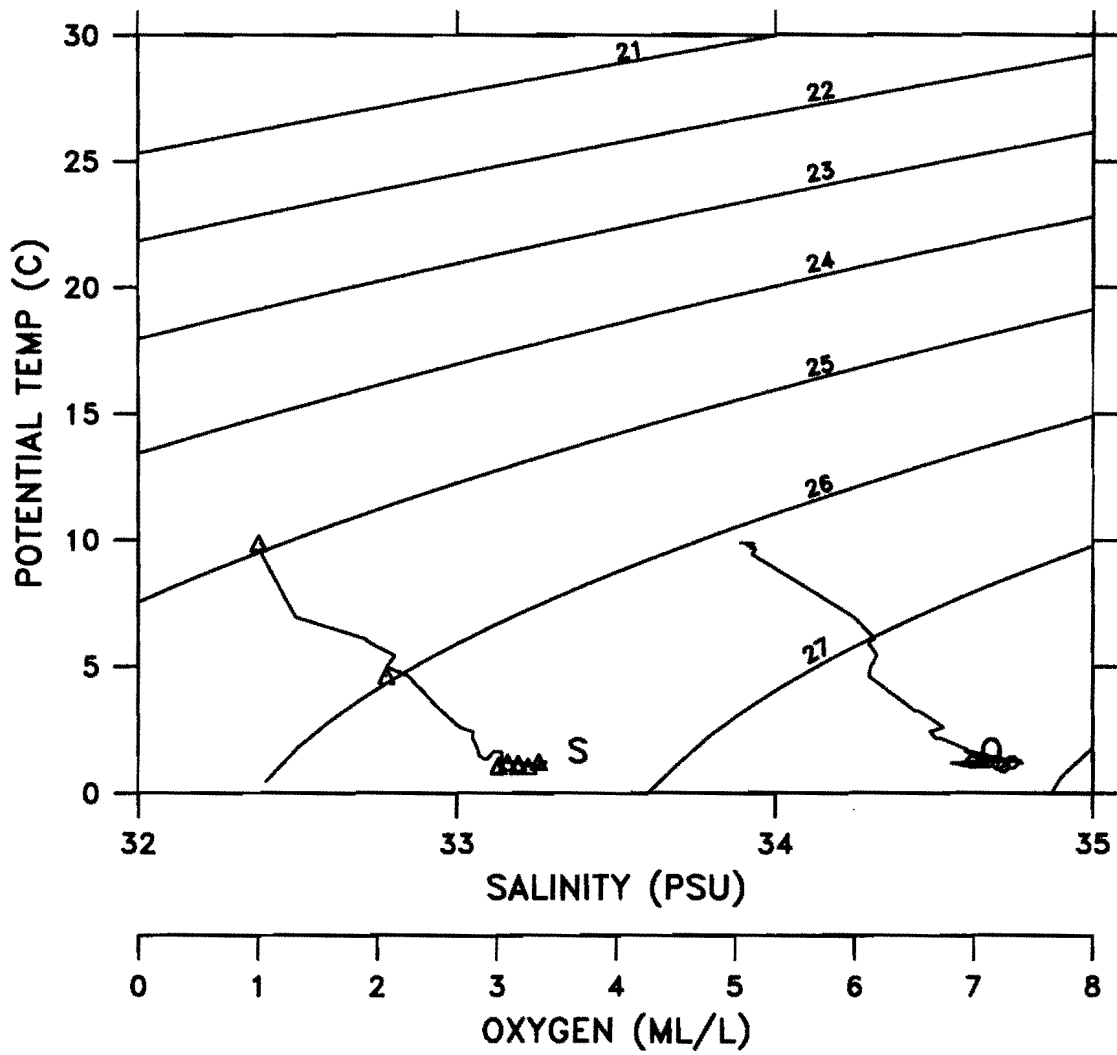


CAST CG1-92-VI -005 DATE 17 AUG 92 TIME 2024 GMT  
 LAT 54 14.7N LONG 171 44.6W WEATHER 8 SEA STATE 5  
 BAROMETER 06 WIND DIR 142 T SPD 30 KT VISIBILITY 6  
 CLOUD 7 AMOUNT 8 DRY 09.0 WET 08.5 DEPTH 3234 M



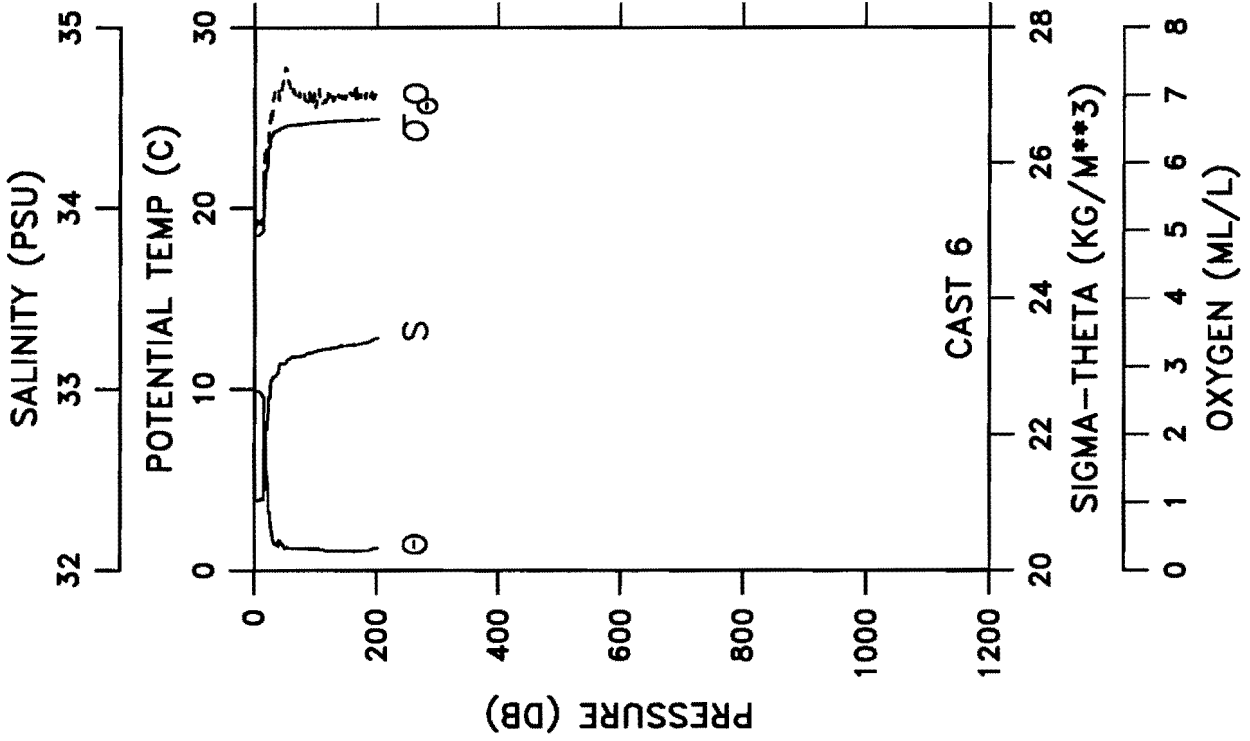
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	8.472	32.920	5.58	25.571	0.000
10	8.475	32.929	5.66	25.578	0.024
20	8.461	32.930	5.52	25.580	0.048
30	7.869	32.971	5.65	25.700	0.072
40	5.474	33.088	6.12	26.105	0.093
50	4.221	33.186	6.26	26.321	0.110
60	3.614	33.231	6.18	26.417	0.127
70	3.442	33.245	6.07	26.444	0.143
80	3.311	33.253	5.95	26.463	0.158
90	3.153	33.256	6.02	26.479	0.174
100	3.107	33.270	5.92	26.495	0.189
110	2.883	33.278	5.99	26.521	0.205
120	2.771	33.279	6.11	26.531	0.220
130	2.675	33.279	6.10	26.540	0.235
140	2.538	33.274	6.22	26.546	0.249
150	2.434	33.272	6.34	26.554	0.264
160	2.358	33.270	6.55	26.558	0.279
170	2.375	33.274	6.38	26.560	0.294
180	2.550	33.302	6.10	26.568	0.308
190	2.804	33.354	5.67	26.588	0.323
200	3.234	33.448	4.78	26.625	0.337
250	3.689	33.664	2.95	26.754	0.405
300	3.704	33.770	2.18	26.837	0.468
350	3.680	33.858	1.62	26.910	0.528
400	3.604	33.935	1.22	26.978	0.584
450	3.563	33.991	0.95	27.025	0.638
500	3.499	34.048	0.80	27.078	0.690
550	3.435	34.081	0.66	27.119	0.740
600	3.341	34.134	0.60	27.163	0.788
650	3.274	34.169	0.51	27.197	0.834
700	3.208	34.194	0.46	27.222	0.879
750	3.125	34.227	0.45	27.257	0.923
800	3.046	34.255	0.43	27.286	0.965
850	2.989	34.302	0.43	27.338	1.047
900	2.767	34.337	0.41	27.377	1.124
950	2.147	34.482	0.74	27.563	1.462
1000	1.740	34.581	1.26	27.656	1.738
1500	1.524	34.824	1.69	27.707	1.985
2000	1.377	34.853	2.08	27.740	2.220
3000	1.317	34.865	2.26	27.755	2.361

CAST CG1-92-VI -006 DATE 21 AUG 92 TIME 0640 GMT  
LAT 54 14.7N LONG 161 06.0E



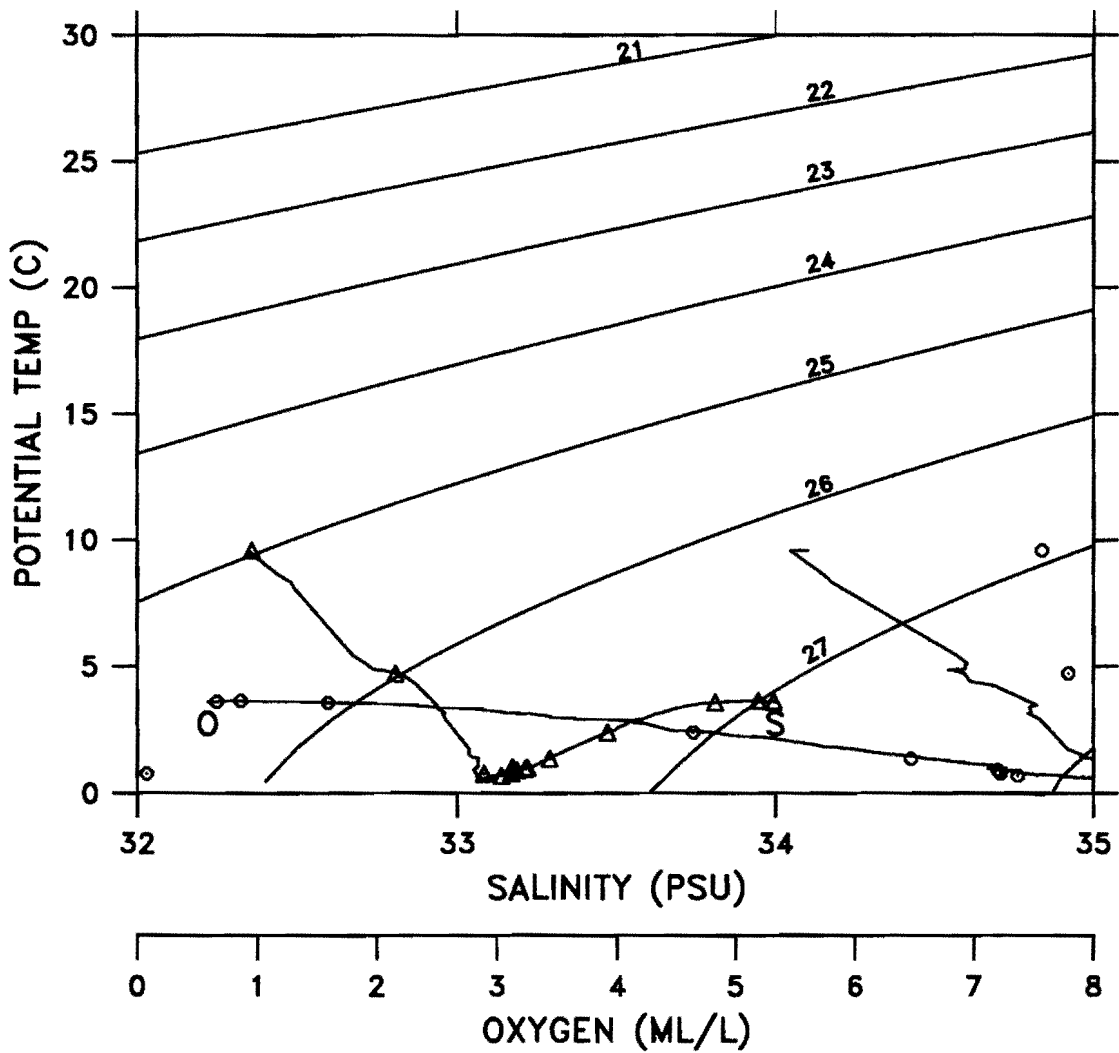


CAST CG1-92-VI-006 DATE 21 AUG 92 TIME 0640 GMT  
 LAT 54 14.7N LONG 161 08.0E WEATHER 1 SEA STATE 4  
 BAROMETER 02 WIND DIR 322 T SPD 17 KT VISIBILITY 7  
 CLOUD 0 AMOUNT 3 DRY 14.9 WET 11.7 DEPTH M

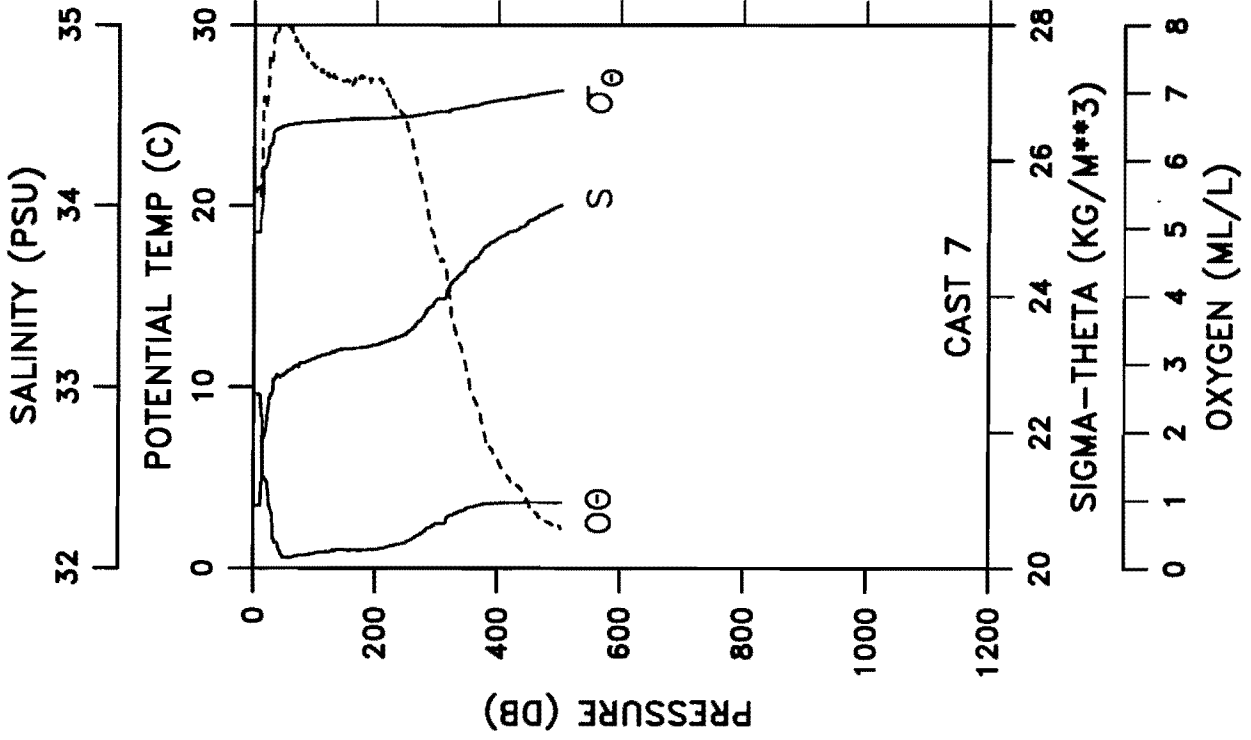


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	9.895	32.384	5.04	24.928	0.000
10	9.824	32.389	5.09	24.943	0.030
20	5.212	32.793	6.16	25.902	0.057
30	1.699	33.067	6.95	26.445	0.074
40	1.651	33.116	6.93	26.488	0.090
50	1.180	33.139	7.41	26.538	0.105
60	1.220	33.176	7.09	26.565	0.120
70	1.215	33.179	6.93	26.568	0.134
80	1.192	33.186	7.02	26.575	0.149
90	1.178	33.199	6.89	26.586	0.163
100	1.175	33.209	6.82	26.594	0.178
110	1.136	33.217	6.88	26.603	0.192
120	1.073	33.221	6.97	26.610	0.206
130	1.076	33.227	6.98	26.615	0.220
140	1.074	33.237	6.99	26.623	0.234
150	1.081	33.239	7.01	26.624	0.249
160	1.057	33.244	7.01	26.630	0.263
170	1.061	33.247	7.01	26.632	0.277
180	1.090	33.256	7.00	26.637	0.290
190	1.130	33.265	6.97	26.642	0.304
200	1.221	33.278	6.98	26.647	0.318
202	1.232	33.279	6.95	26.647	0.321

CAST CG1-92-VI -007 DATE 21 AUG 92 TIME 0827 GMT  
LAT 54 13.1N LONG 161 08.0E

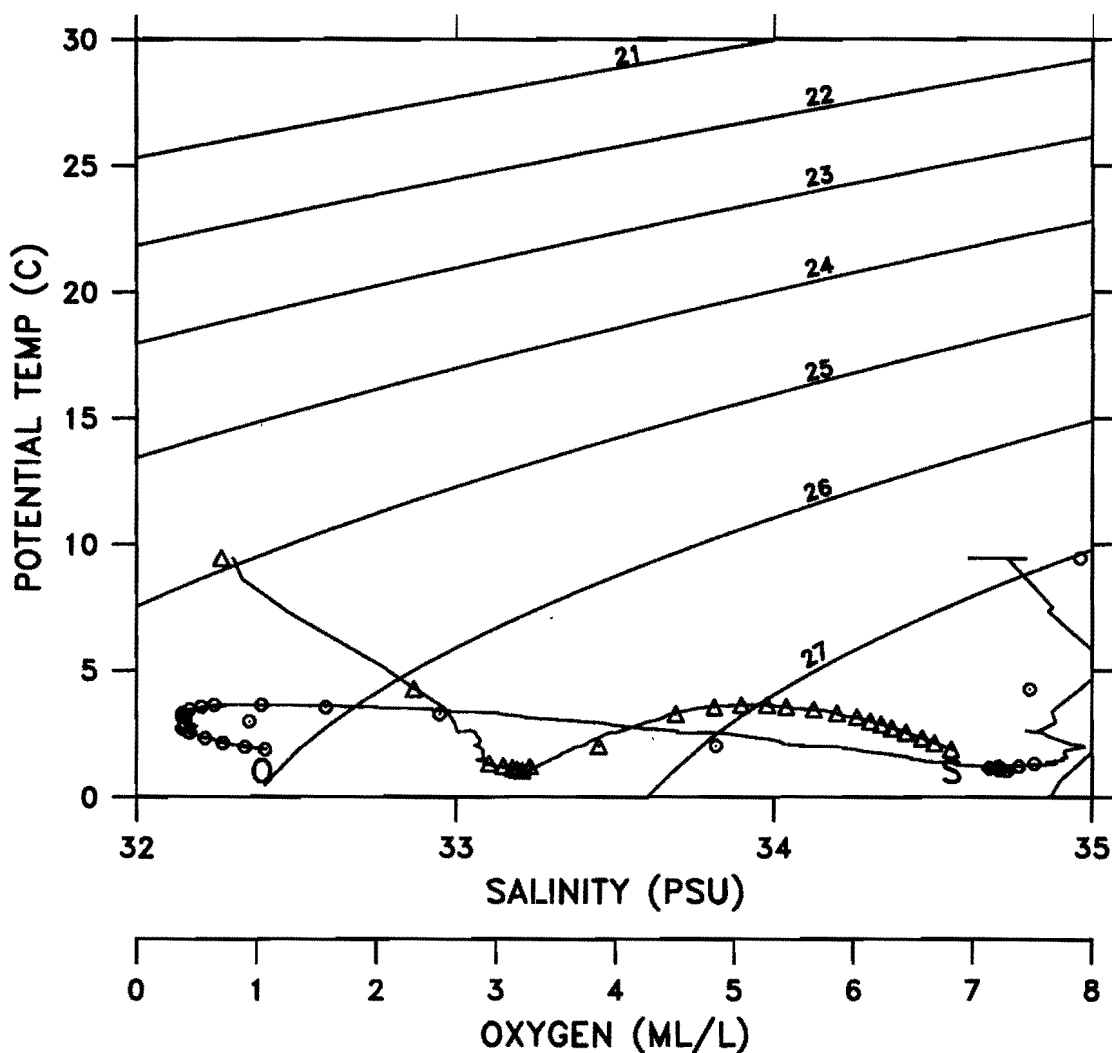


CAST CG1-92-VI -007 DATE 21 AUG 92 TIME 0827 GMT  
 LAT 54 13.1N LONG 161 06.0E WEATHER 1 SEA STATE 3  
 BAROMETER 04 WIND DIR T SPD KT VISIBILITY 7  
 CLOUD 0 AMOUNT 3 DRY 14.8 WET 13.5 DEPTH 573 M

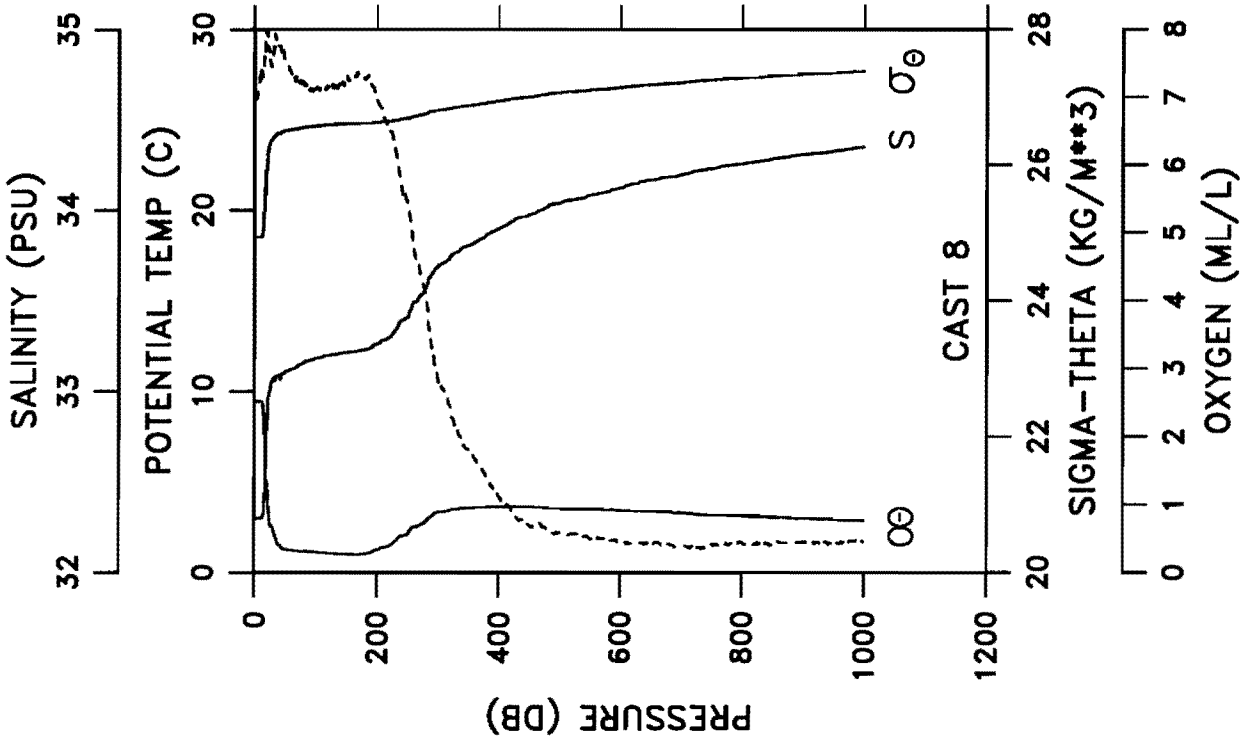


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	9.601	32.345	5.53	24.945	0.000
10	9.594	32.345	5.49	24.946	0.030
20	4.848	32.765	6.82	25.921	0.054
30	3.024	32.959	7.51	26.254	0.073
40	1.378	33.064	7.97	26.465	0.089
50	0.609	33.069	8.07	26.515	0.104
60	0.593	33.093	7.94	26.536	0.119
70	0.662	33.117	7.77	26.551	0.134
80	0.715	33.133	7.59	26.561	0.149
90	0.752	33.143	7.48	26.567	0.163
100	0.808	33.157	7.37	26.575	0.178
110	0.889	33.170	7.31	26.580	0.193
120	0.909	33.180	7.30	26.587	0.207
130	0.986	33.191	7.27	26.592	0.221
140	1.024	33.204	7.18	26.600	0.236
150	1.010	33.207	7.18	26.603	0.250
160	0.975	33.208	7.14	26.606	0.264
170	0.978	33.215	7.20	26.611	0.278
180	0.982	33.219	7.23	26.615	0.292
190	0.989	33.222	7.21	26.616	0.307
200	1.025	33.230	7.22	26.621	0.321
250	1.398	33.290	6.57	26.645	0.391
300	2.458	33.481	4.65	26.718	0.459
350	3.279	33.667	2.89	26.796	0.524
400	3.573	33.820	1.61	26.890	0.585
450	3.633	33.914	0.97	26.959	0.643
500	3.603	33.997	0.63	27.028	0.698
504	3.602	34.002	0.58	27.032	0.702

CAST CG1-92-VI -008 DATE 21 AUG 92 TIME 1114 GMT  
LAT 54 07.7N LONG 161 09.8E

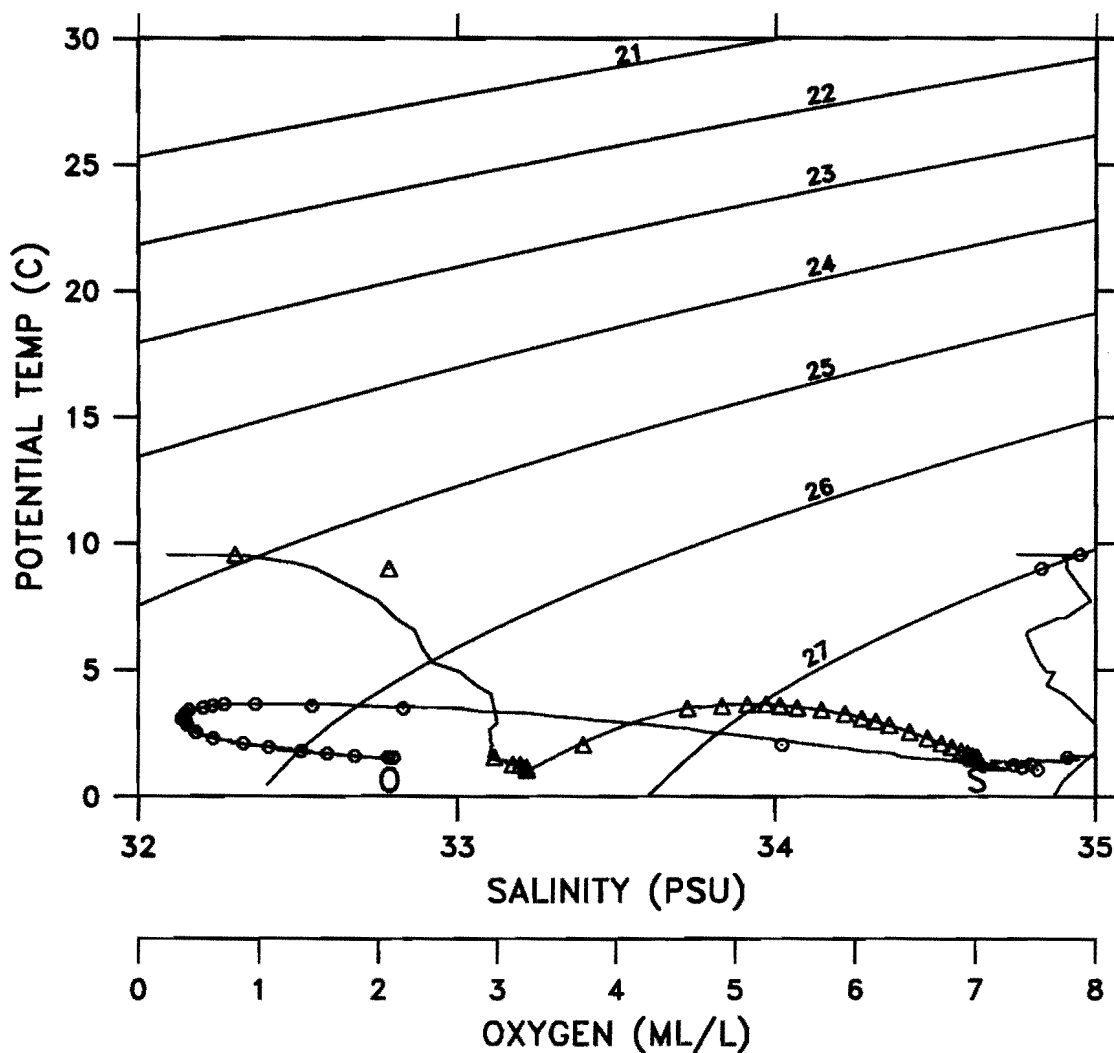


CAST CG1-92-VI-008 DATE 21 AUG 92 TIME 1114 GMT  
 LAT 54 07.7N LONG 161 09.8E WEATHER 1 SEA STATE 3  
 BAROMETER 04 WIND DIR 296 T SPD 22 KT VISIBILITY 7  
 CLOUD 3 AMOUNT 2 DRY 13.9 WET 10.7 DEPTH M

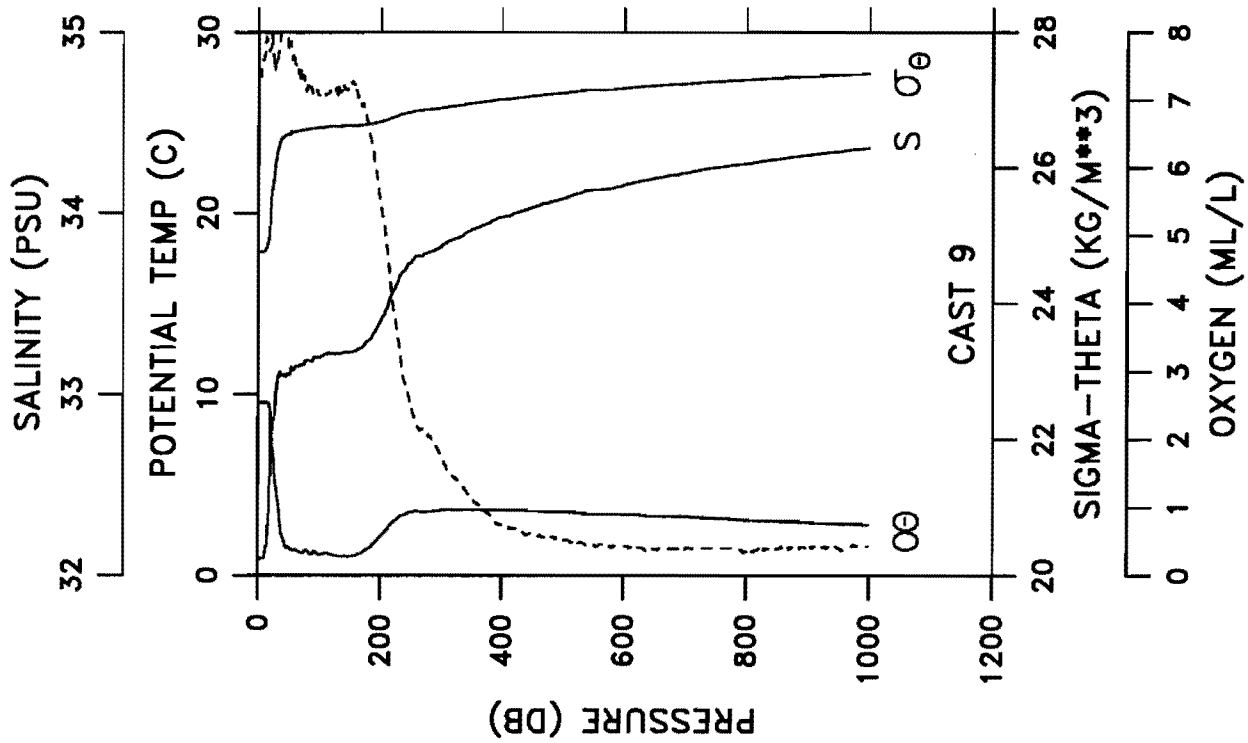


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D
0	9.437	32.300	6.97	24.936	0.000
10	9.436	32.300	7.39	24.936	0.030
20	4.986	32.786	8.08	25.922	0.057
30	2.385	33.086	7.65	26.393	0.074
40	1.547	33.090	7.75	26.474	0.090
50	1.271	33.106	7.55	26.506	0.106
60	1.235	33.123	7.32	26.521	0.121
70	1.214	33.143	7.22	26.539	0.136
80	1.172	33.157	7.20	26.553	0.150
90	1.150	33.171	7.12	26.565	0.165
100	1.128	33.183	7.13	26.576	0.180
110	1.098	33.189	7.15	26.583	0.194
120	1.070	33.196	7.12	26.591	0.209
130	1.052	33.203	7.23	26.597	0.223
140	1.036	33.209	7.21	26.603	0.237
150	1.023	33.215	7.22	26.608	0.251
160	1.010	33.218	7.31	26.612	0.266
170	1.004	33.223	7.34	26.616	0.280
180	1.044	33.229	7.26	26.619	0.294
190	1.119	33.241	7.23	26.623	0.308
200	1.256	33.262	6.95	26.632	0.322
250	2.091	33.409	5.44	26.690	0.391
300	3.343	33.690	2.84	26.806	0.456
350	3.568	33.805	1.82	26.879	0.517
400	3.636	33.899	1.11	26.946	0.575
450	3.647	33.977	0.69	27.007	0.630
500	3.568	34.039	0.59	27.065	0.682
550	3.510	34.086	0.50	27.108	0.733
600	3.443	34.124	0.44	27.145	0.781
650	3.398	34.168	0.45	27.184	0.828
700	3.317	34.199	0.40	27.216	0.874
750	3.198	34.230	0.42	27.253	0.918
800	3.141	34.257	0.44	27.279	0.960
900	2.982	34.307	0.45	27.334	1.042
1000	2.852	34.350	0.45	27.379	1.120
1500	2.177	34.500	0.72	27.557	1.460
1817	1.882	34.563	1.04	27.630	1.640

CAST CG1-92-VI -009 DATE 21 AUG 92 TIME 1531 GMT  
LAT 54 02.6N LONG 161 22.0E

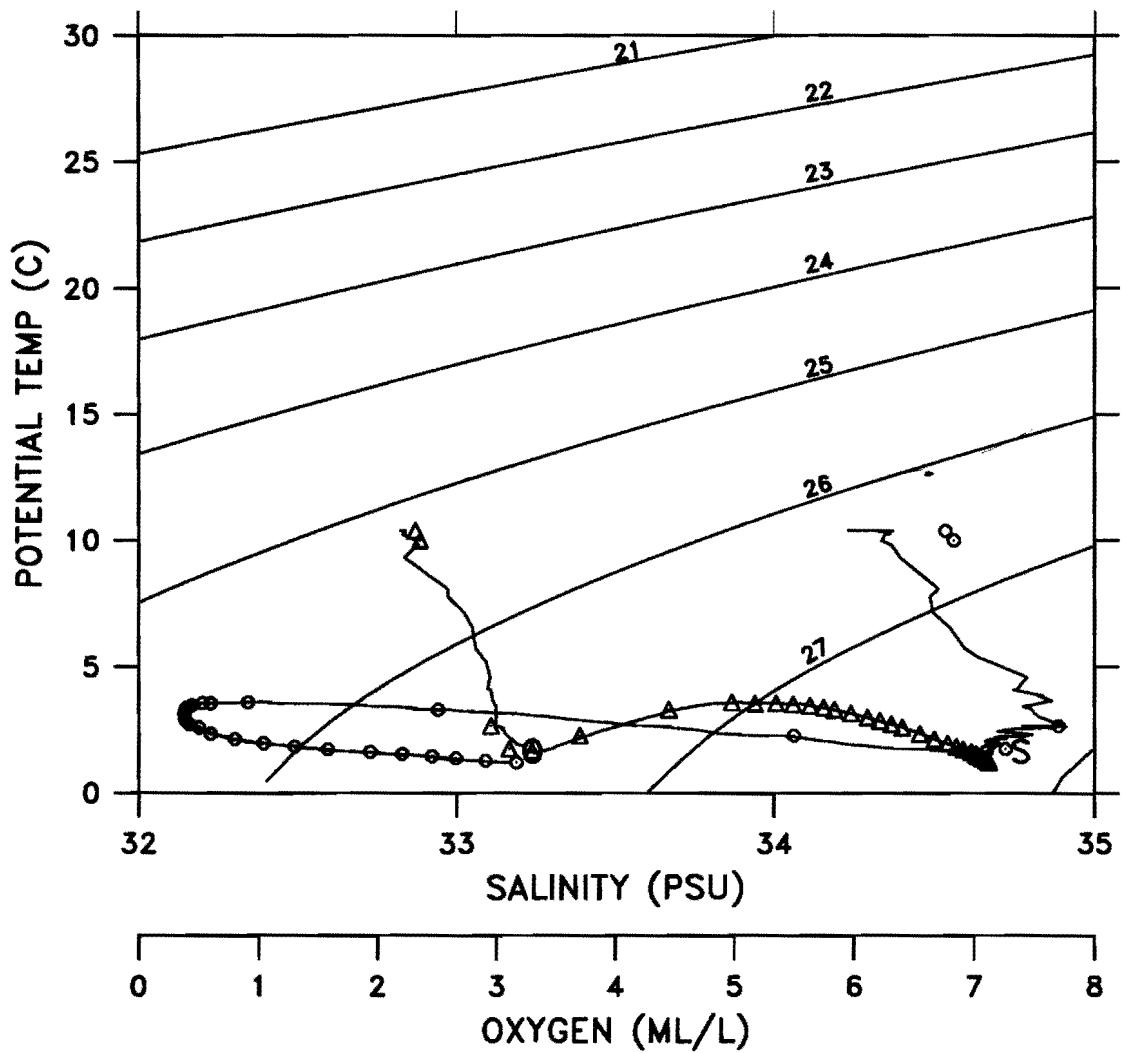


CAST CG1-92-VI -009 DATE 21 AUG 92 TIME 1531 GMT  
 LAT 54 02.6N LONG 161 22.0E WEATHER 1 SEA STATE 2  
 BAROMETER 06 WIND DIR 297 T SPD 14 KT VISIBILITY 7  
 CLOUD 4 AMOUNT 7 DRY 11.7 WET 09.8 DEPTH M



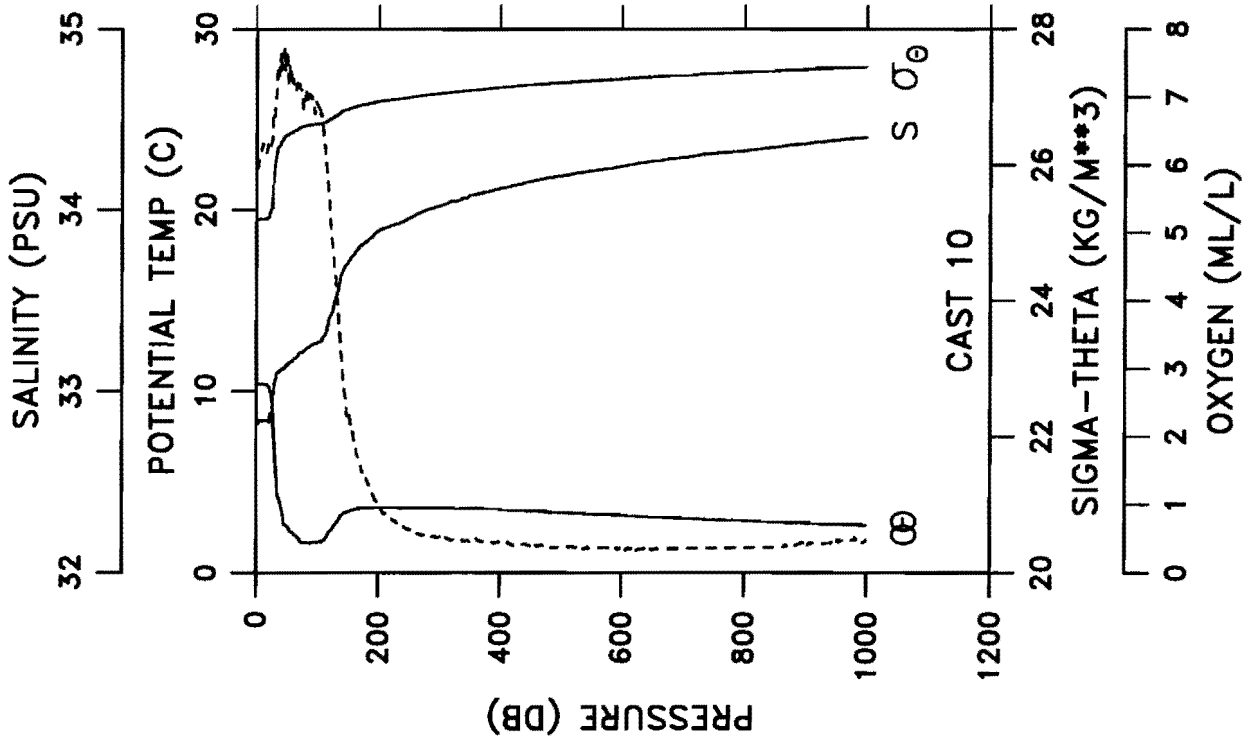
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	9.553	32.090	7.35	24.753	0.000
10	9.544	32.097	7.67	24.761	0.032
20	8.985	32.550	7.76	25.201	0.062
30	4.916	33.009	7.66	26.107	0.085
40	2.254	33.102	8.12	26.432	0.102
50	1.562	33.115	7.73	26.493	0.117
60	1.440	33.149	7.53	26.529	0.132
70	1.271	33.162	7.37	26.550	0.147
80	1.351	33.186	7.21	26.564	0.162
90	1.239	33.190	7.06	26.575	0.176
100	1.172	33.203	7.07	26.590	0.191
110	1.224	33.219	7.07	26.599	0.205
120	1.154	33.224	7.19	26.608	0.219
130	1.080	33.223	7.05	26.612	0.233
140	1.068	33.228	7.16	26.616	0.248
150	1.054	33.230	7.25	26.619	0.262
160	1.111	33.238	7.16	26.622	0.276
170	1.260	33.260	6.94	26.630	0.290
180	1.494	33.296	6.54	26.643	0.304
190	1.792	33.342	6.06	26.659	0.318
200	2.167	33.405	5.47	26.681	0.331
250	3.496	33.727	2.50	26.823	0.396
300	3.603	33.814	1.76	26.883	0.456
350	3.632	33.911	1.15	26.956	0.514
400	3.628	33.976	0.74	27.009	0.568
450	3.584	34.032	0.64	27.060	0.621
500	3.502	34.079	0.53	27.103	0.671
550	3.417	34.130	0.46	27.152	0.720
600	3.394	34.155	0.44	27.174	0.767
650	3.293	34.193	0.39	27.214	0.812
700	3.263	34.220	0.38	27.238	0.857
750	3.166	34.252	0.40	27.273	0.899
800	3.061	34.273	0.36	27.299	0.941
900	2.939	34.320	0.41	27.348	1.021
1000	2.795	34.359	0.43	27.392	1.097
1500	2.185	34.489	0.75	27.556	1.431
2000	1.782	34.583	1.33	27.654	1.709
2500	1.531	34.631	2.06	27.711	1.958
2600	1.505	34.635	2.09	27.717	2.005

CAST CG1-92-VI -010 DATE 21 AUG 92 TIME 2250 GMT  
LAT 53 33.4N LONG 162 03.7E



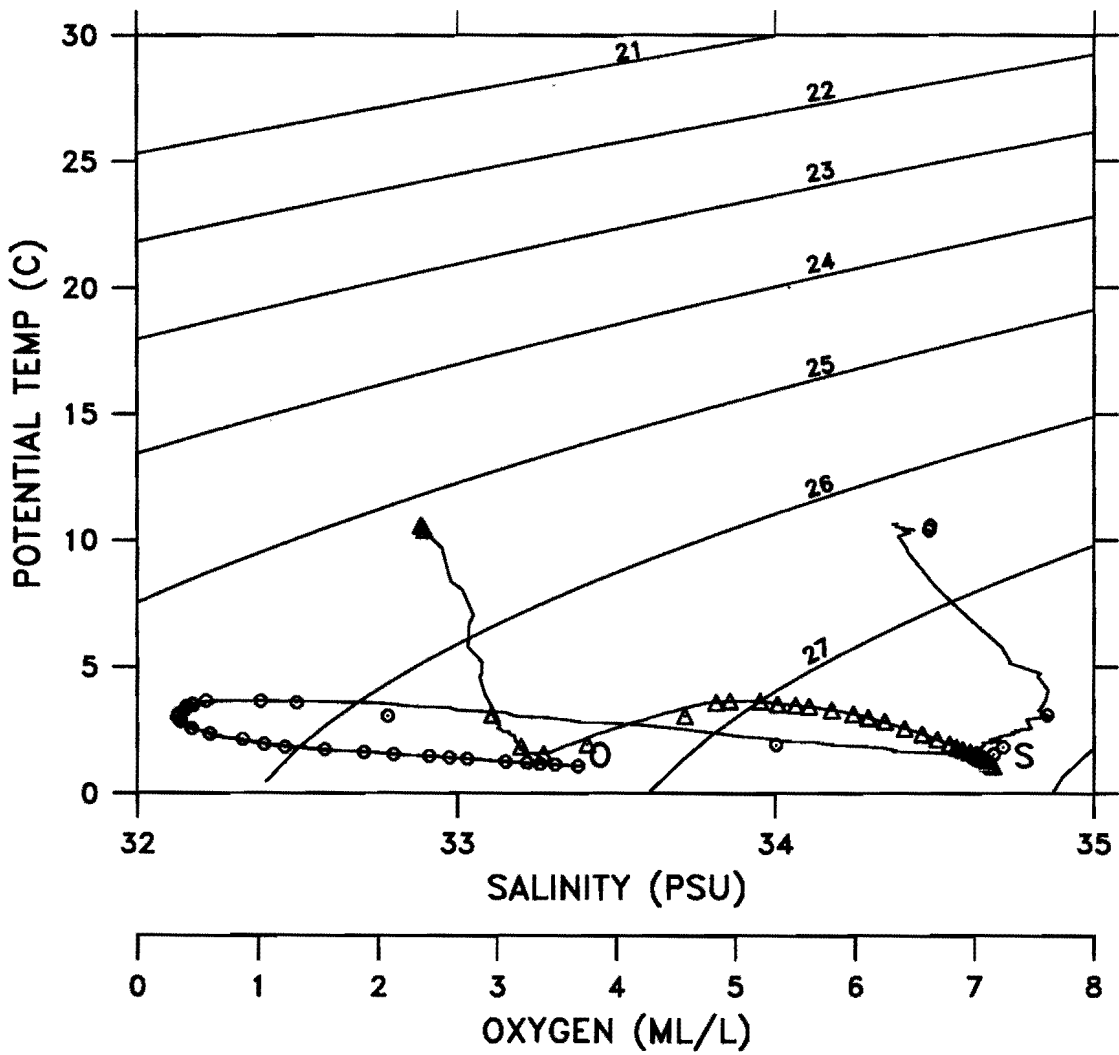


CAST CG1-92-VI -010 DATE 21 AUG 92 TIME 2250 GMT  
 LAT 53 33.4N LONG 162 03.7E WEATHER 1 SEA STATE 2  
 BAROMETER 08 WIND DIR 225 T SPD 05 KT VISIBILITY 7  
 CLOUD 2 AMOUNT 2 DRY 14.0 WET 10.4 DEPTH 3450 M

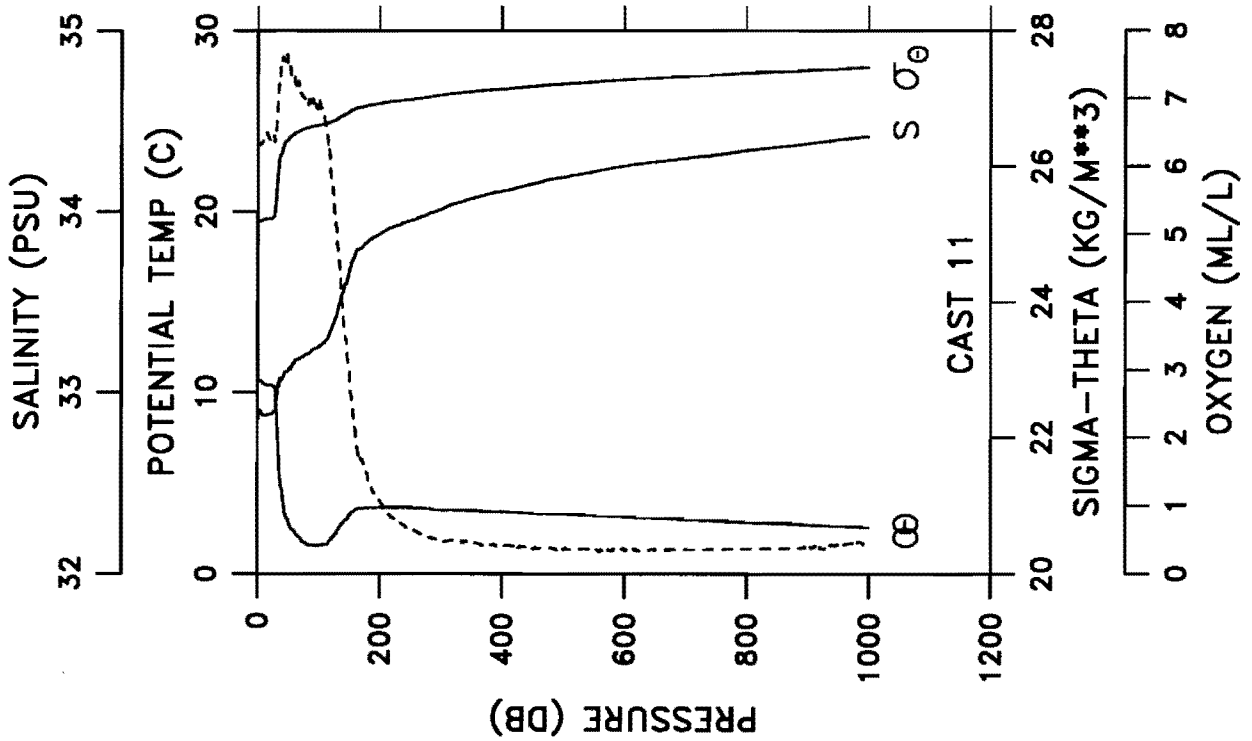


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	10.397	32.830	5.95	25.191	0.000
10	10.375	32.837	6.32	25.200	0.028
20	10.238	32.829	6.28	25.218	0.055
30	6.559	33.050	6.79	25.941	0.080
40	3.661	33.114	7.64	26.319	0.098
50	2.588	33.148	7.65	26.441	0.115
60	2.159	33.172	7.27	26.495	0.130
70	1.894	33.210	7.19	26.546	0.145
80	1.638	33.230	7.04	26.580	0.160
90	1.643	33.252	7.02	26.597	0.174
100	1.685	33.267	6.87	26.606	0.188
110	1.758	33.298	6.43	26.626	0.203
120	2.277	33.411	5.43	26.677	0.216
130	2.658	33.508	4.33	26.723	0.230
140	3.156	33.650	3.12	26.794	0.243
150	3.352	33.712	2.33	26.825	0.255
160	3.453	33.756	1.96	26.850	0.267
170	3.531	33.804	1.57	26.881	0.279
180	3.532	33.821	1.39	26.895	0.291
190	3.548	33.852	1.17	26.918	0.302
200	3.584	33.884	0.98	26.940	0.314
250	3.551	33.955	0.63	27.000	0.368
300	3.552	34.022	0.53	27.053	0.420
350	3.547	34.081	0.46	27.101	0.470
400	3.452	34.120	0.44	27.141	0.519
450	3.376	34.158	0.40	27.178	0.565
500	3.288	34.190	0.38	27.212	0.610
550	3.224	34.219	0.36	27.241	0.654
600	3.151	34.243	0.37	27.267	0.696
650	3.063	34.272	0.34	27.298	0.737
700	2.986	34.292	0.36	27.322	0.778
750	2.908	34.315	0.36	27.347	0.817
800	2.856	34.329	0.37	27.363	0.855
900	2.722	34.369	0.43	27.406	0.928
1000	2.607	34.405	0.47	27.445	0.998
1500	2.039	34.528	0.91	27.589	1.310
2000	1.736	34.592	1.57	27.665	1.576
2500	1.512	34.633	2.30	27.715	1.820
3000	1.356	34.654	2.64	27.743	2.051
3500	1.233	34.669	3.05	27.764	2.278
3529	1.221	34.671	3.10	27.766	2.291

CAST CG1-92-VI -011 DATE 22 AUG 92 TIME 0443 GMT  
LAT 53 29.0N LONG 162 10.4E

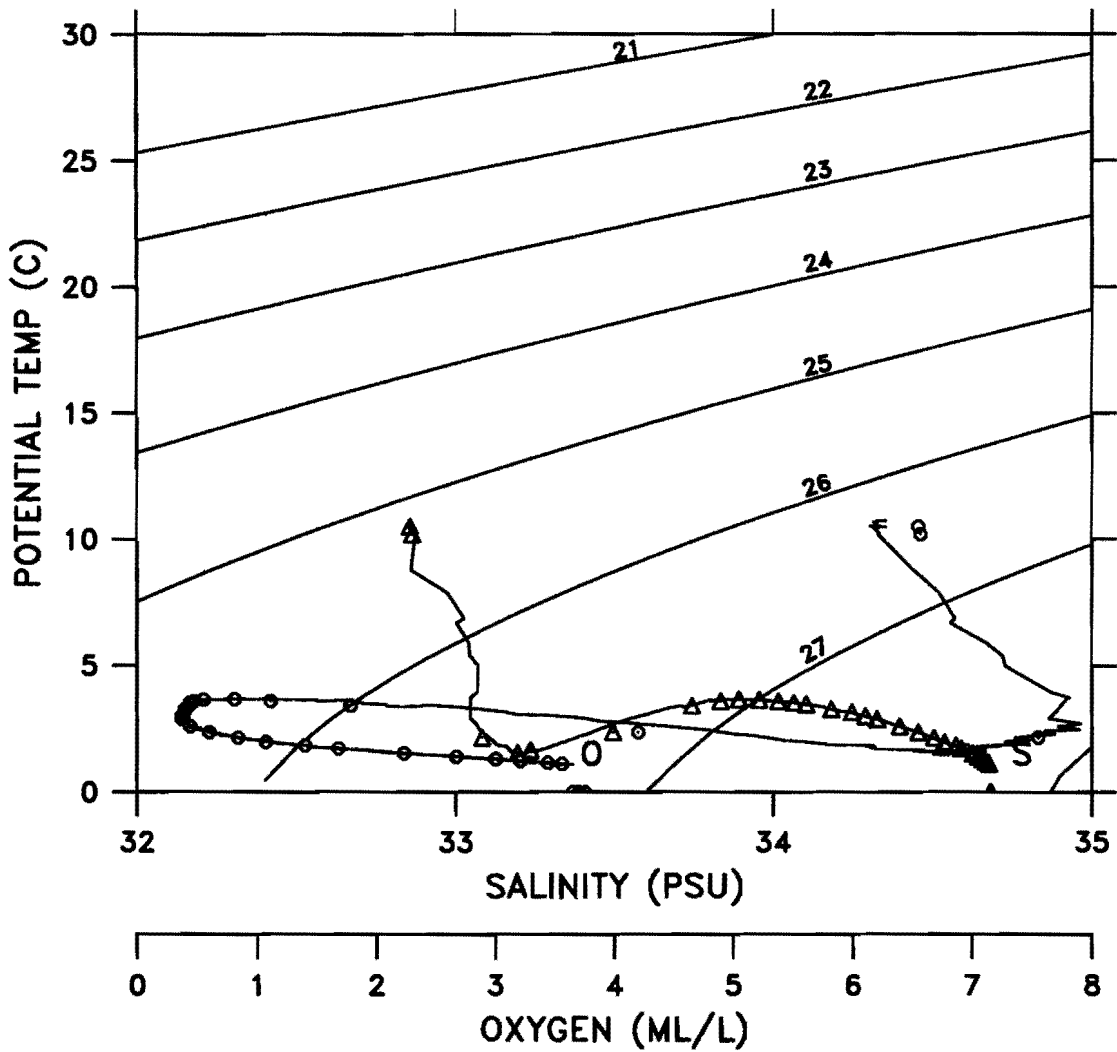


CAST CG1-92-VI -011 DATE 22 AUG 92 TIME 0443 GMT  
 LAT 53 29.0N LONG 162 10.4E WEATHER 1 SEA STATE 0  
 BAROMETER 08 WIND DIR 160 T SPD 03 KT VISIBILITY 8  
 CLOUD 4 AMOUNT 6 DRY 13.1 WET 11.3 DEPTH M

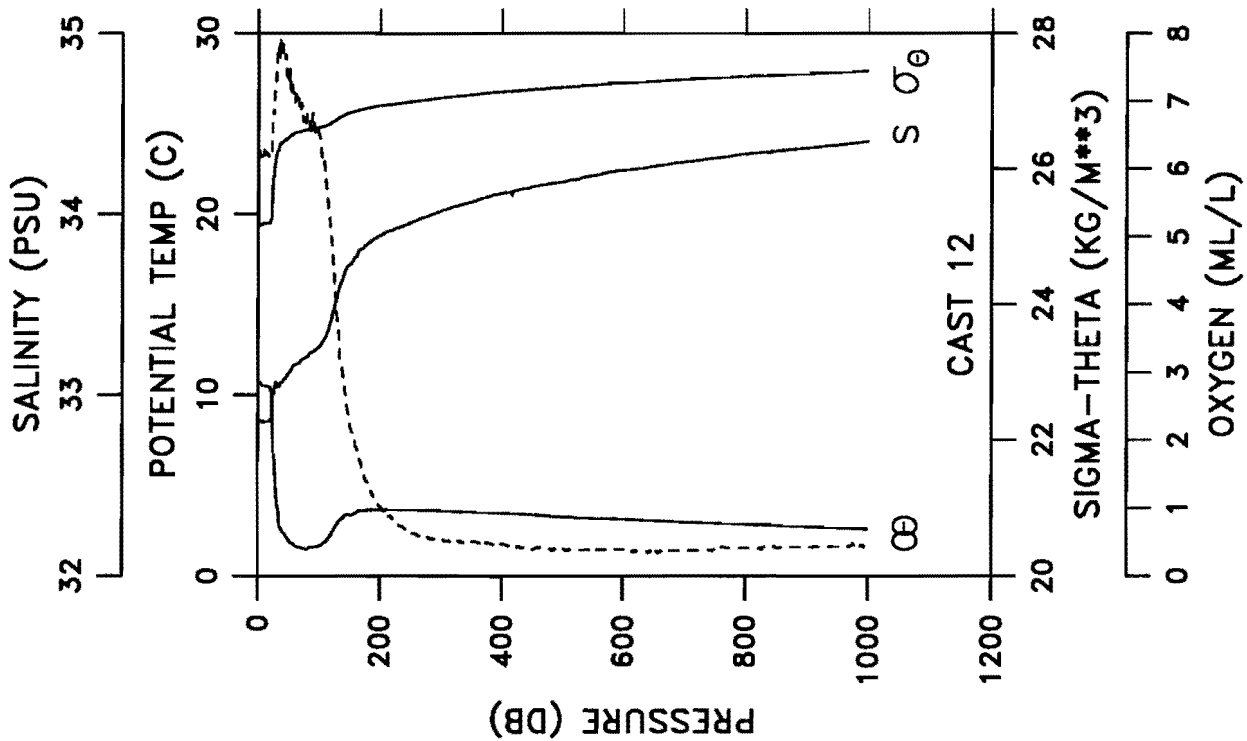


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	10.636	32.900	6.31	25.204	0.000
10	10.460	32.874	6.42	25.214	0.028
20	10.406	32.880	6.40	25.229	0.055
30	9.563	32.953	6.44	25.426	0.082
40	4.621	33.070	7.53	26.187	0.102
50	2.932	33.119	7.43	26.389	0.119
60	2.363	33.162	7.33	26.471	0.135
70	1.950	33.194	7.08	26.528	0.150
80	1.603	33.211	7.02	26.567	0.165
90	1.584	33.237	7.00	26.589	0.179
100	1.572	33.254	6.95	26.604	0.194
110	1.611	33.281	6.65	26.623	0.208
120	1.918	33.350	5.83	26.656	0.222
130	2.382	33.446	4.83	26.697	0.235
140	2.815	33.553	3.71	26.746	0.249
150	3.224	33.674	2.98	26.807	0.261
160	3.544	33.771	2.05	26.854	0.273
170	3.591	33.799	1.66	26.871	0.285
180	3.632	33.832	1.44	26.893	0.297
190	3.639	33.868	1.19	26.913	0.309
200	3.655	33.875	1.08	26.926	0.320
250	3.655	33.950	0.66	26.985	0.375
300	3.526	34.012	0.48	27.047	0.428
350	3.476	34.072	0.44	27.100	0.478
400	3.422	34.113	0.41	27.138	0.526
450	3.342	34.155	0.37	27.179	0.573
500	3.284	34.190	0.36	27.212	0.618
550	3.213	34.221	0.36	27.244	0.661
600	3.136	34.252	0.34	27.276	0.703
650	3.064	34.274	0.38	27.300	0.744
700	2.992	34.294	0.36	27.322	0.785
750	2.923	34.313	0.36	27.344	0.824
800	2.846	34.337	0.37	27.370	0.862
900	2.703	34.375	0.40	27.412	0.935
1000	2.560	34.414	0.46	27.456	1.005
1500	2.030	34.530	0.98	27.593	1.313
2000	1.719	34.597	1.58	27.671	1.576
2500	1.505	34.635	2.21	27.717	1.818
3000	1.359	34.656	2.78	27.744	2.048
3500	1.253	34.669	3.09	27.762	2.275
4000	1.159	34.677	3.35	27.775	2.502
4500	1.081	34.684	3.66	27.786	2.730
4704	1.069	34.684	3.66	27.787	2.824

CAST CG1-92-VI -012 DATE 23 AUG 92 TIME 0039 GMT  
LAT 53 26.5N LONG 162 22.4E

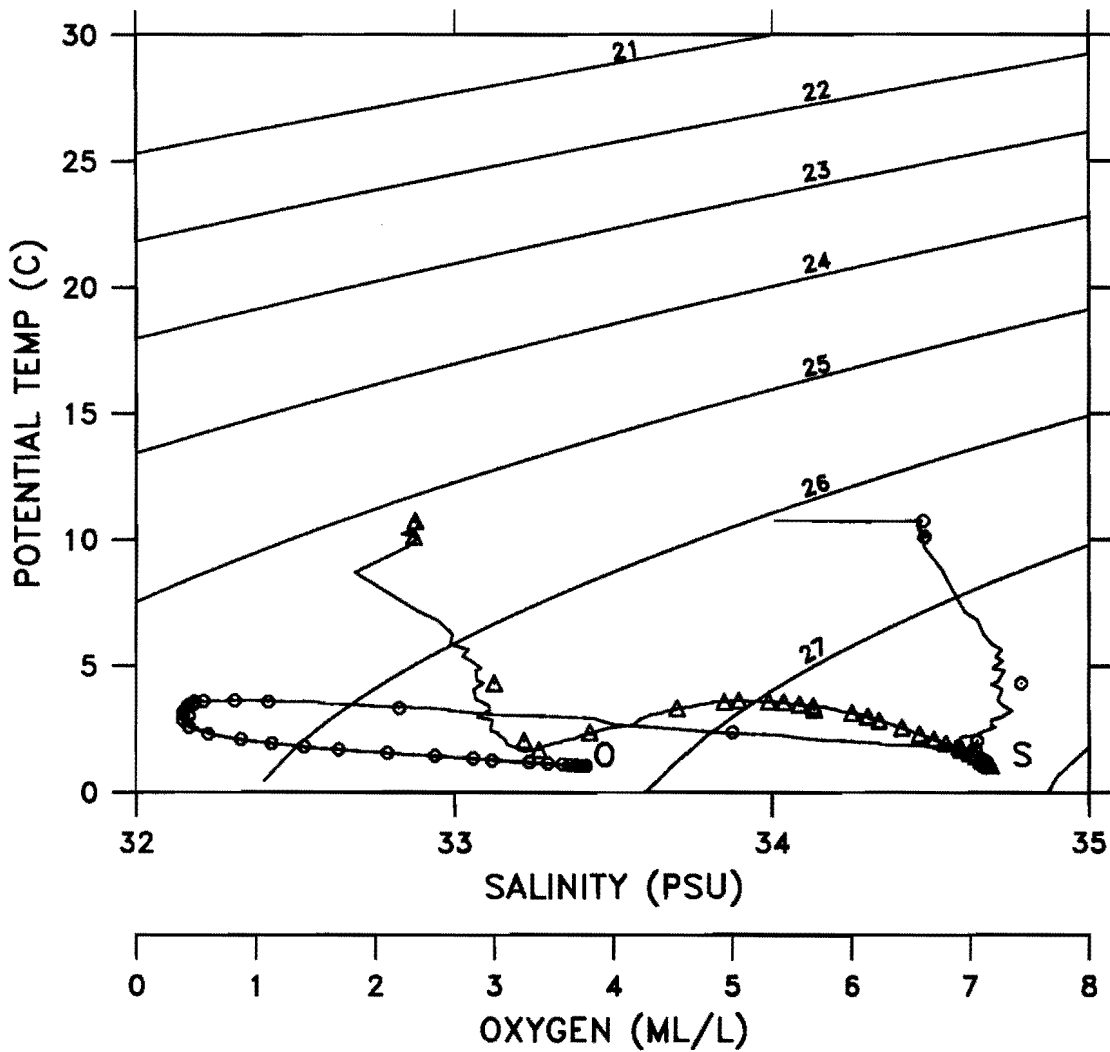


CAST CG1-92-VI -012 DATE 23 AUG 92 TIME 0039 GMT  
 LAT 53 26.5N LONG 162 22.4E WEATHER 2 SEA STATE 2  
 BAROMETER 07 WIND DIR 222 T SPD 14 KT VISIBILITY 7  
 CLOUD 5 AMOUNT 7 DRY 14.5 WET 12.3 DEPTH M

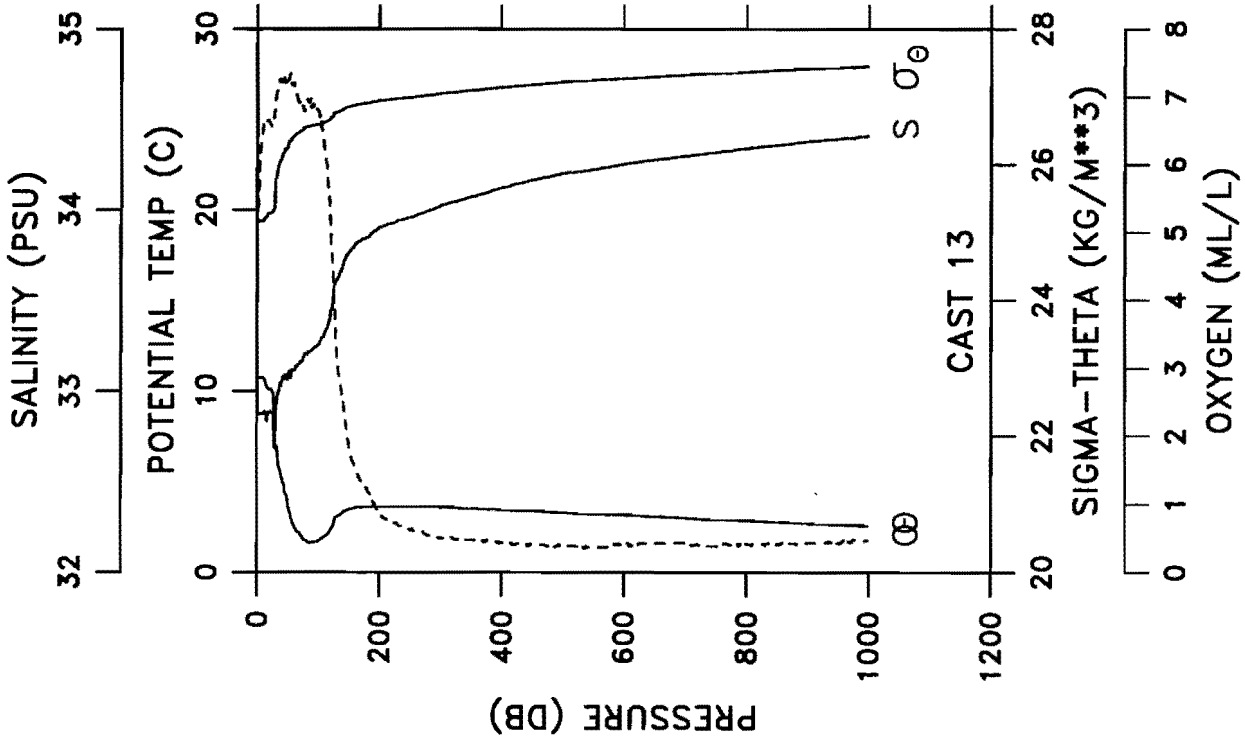


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	10.720	32.857	6.26	25.157	0.000
10	10.490	32.850	6.27	25.191	0.028
20	10.443	32.854	6.18	25.203	0.055
30	4.469	33.068	7.47	26.201	0.078
40	2.466	33.074	7.90	26.392	0.095
50	2.015	33.117	7.38	26.462	0.111
60	1.712	33.164	6.98	26.522	0.126
70	1.592	33.188	6.86	26.549	0.141
80	1.472	33.209	6.81	26.575	0.156
90	1.598	33.237	6.79	26.589	0.170
100	1.664	33.264	6.49	26.608	0.184
110	1.877	33.316	5.89	26.632	0.199
120	2.278	33.411	5.01	26.677	0.212
130	2.916	33.551	3.76	26.736	0.226
140	3.252	33.651	2.89	26.786	0.239
150	3.374	33.714	2.31	26.824	0.251
160	3.482	33.760	1.91	26.851	0.263
170	3.592	33.804	1.51	26.875	0.275
180	3.628	33.835	1.38	26.897	0.287
190	3.664	33.862	1.17	26.914	0.298
200	3.662	33.881	1.03	26.930	0.310
250	3.640	33.950	0.66	26.987	0.365
300	3.582	34.019	0.53	27.047	0.417
350	3.535	34.066	0.50	27.090	0.468
400	3.462	34.114	0.46	27.135	0.516
450	3.388	34.151	0.39	27.172	0.563
500	3.273	34.177	0.39	27.203	0.609
550	3.197	34.210	0.39	27.237	0.652
600	3.151	34.243	0.39	27.267	0.695
650	3.072	34.264	0.37	27.291	0.736
700	2.992	34.288	0.38	27.317	0.777
750	2.932	34.309	0.40	27.340	0.816
800	2.862	34.331	0.41	27.364	0.855
900	2.719	34.365	0.43	27.404	0.929
1000	2.577	34.401	0.45	27.444	0.999
1500	2.047	34.520	0.98	27.584	1.311
2000	1.717	34.593	1.66	27.668	1.578
2500	1.496	34.633	2.30	27.716	1.820
3000	1.345	34.654	2.86	27.744	2.050
3500	1.236	34.667	3.14	27.762	2.277
4000	1.153	34.676	3.41	27.774	2.503
4500	1.103	34.679	3.56	27.781	2.732
4777	1.086	34.681	3.61	27.783	2.862

CAST CG1-92-VI -013 DATE 23 AUG 92 TIME 0931 GMT  
LAT 53 01.2N LONG 162 53.8E

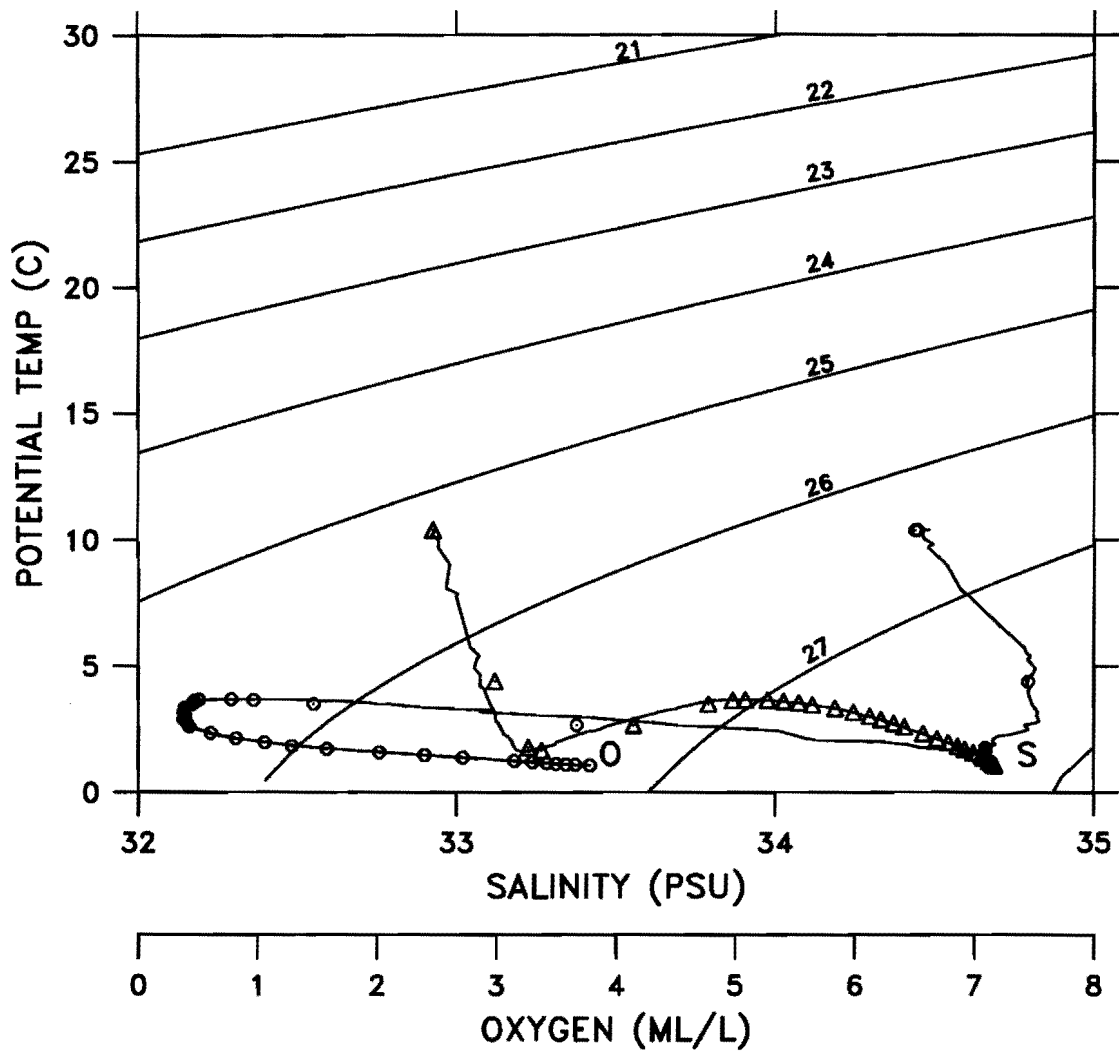


CAST CG1-92-V -013 DATE 23 AUG 92 TIME 0931 GMT  
 LAT 53 01.2N LONG 162 53.8E WEATHER 2 SEA STATE 3  
 BAROMETER 06 WIND DIR 250 T SPD 16 KT VISIBILITY 7  
 CLOUD X AMOUNT 9 DRY 13.0 WET 11.8 DEPTH M



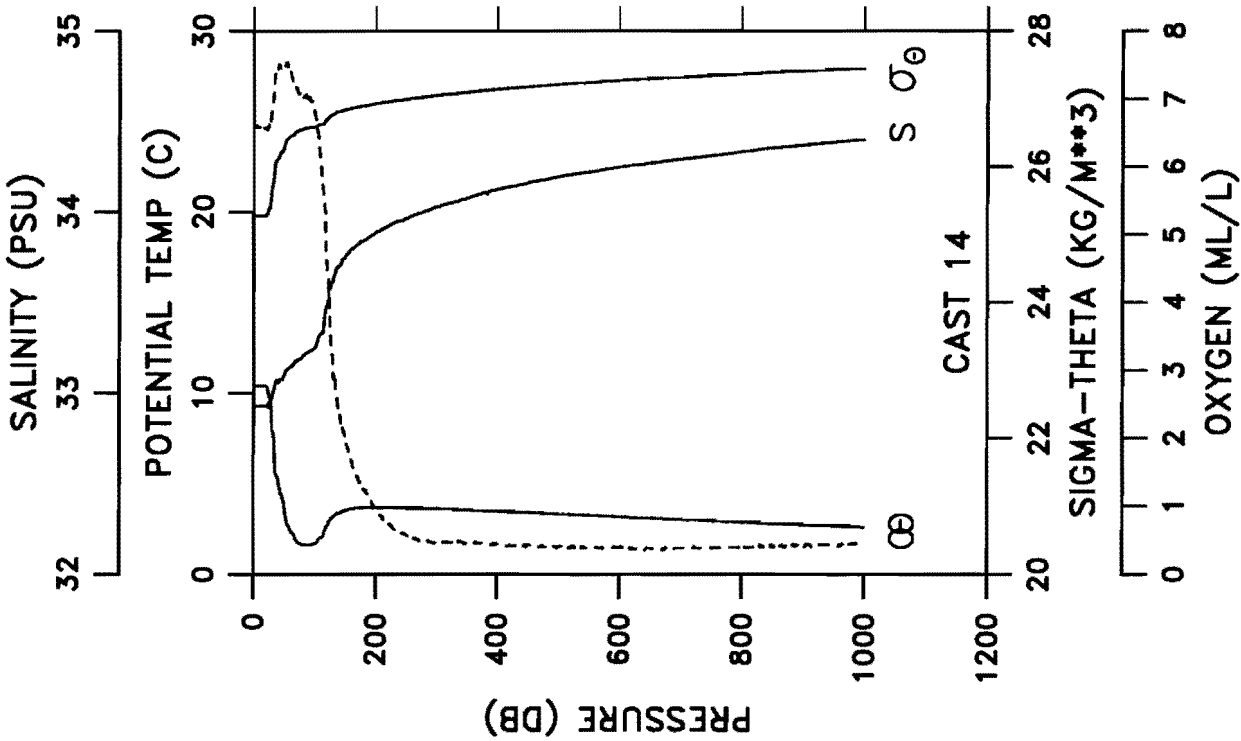
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	10.757	32.868	5.36	25.159	0.000
10	10.736	32.875	6.60	25.168	0.028
20	10.111	32.885	6.63	25.283	0.055
30	7.131	32.888	6.96	25.738	0.082
40	5.208	33.051	7.28	26.107	0.102
50	3.683	33.066	7.24	26.279	0.120
60	2.593	33.114	7.21	26.414	0.137
70	2.116	33.154	6.92	26.484	0.152
80	1.751	33.207	6.88	26.553	0.168
90	1.652	33.224	6.84	26.574	0.182
100	1.720	33.255	6.79	26.595	0.197
110	1.955	33.314	6.22	26.624	0.211
120	2.342	33.443	5.01	26.698	0.225
130	3.051	33.612	3.23	26.773	0.238
140	3.282	33.689	2.62	26.813	0.250
150	3.457	33.763	1.85	26.855	0.262
160	3.555	33.809	1.52	26.883	0.274
170	3.586	33.833	1.34	26.899	0.286
180	3.597	33.849	1.23	26.910	0.297
190	3.625	33.881	1.02	26.934	0.309
200	3.640	33.903	0.83	26.950	0.320
250	3.608	33.957	0.61	26.996	0.374
300	3.555	34.020	0.52	27.051	0.427
350	3.506	34.072	0.48	27.097	0.477
400	3.439	34.122	0.43	27.143	0.525
450	3.395	34.165	0.40	27.182	0.572
500	3.287	34.201	0.37	27.221	0.616
550	3.195	34.224	0.37	27.248	0.660
600	3.144	34.253	0.41	27.276	0.702
650	3.076	34.278	0.43	27.302	0.743
700	3.008	34.299	0.43	27.325	0.783
750	2.915	34.316	0.39	27.347	0.822
800	2.842	34.340	0.42	27.372	0.860
900	2.693	34.378	0.43	27.416	0.933
1000	2.562	34.409	0.47	27.452	1.002
1500	2.019	34.529	0.99	27.593	1.310
2000	1.701	34.597	1.68	27.672	1.574
2500	1.478	34.637	2.33	27.720	1.814
3000	1.325	34.658	2.86	27.748	2.041
3500	1.229	34.670	3.18	27.765	2.265
4000	1.159	34.678	3.31	27.776	2.490
4500	1.109	34.682	3.50	27.783	2.719
5000	1.082	34.685	3.62	27.787	2.955
5949	1.058	34.687	3.72	27.790	3.428

CAST CG1-92-VI -014 DATE 23 AUG 92 TIME 1940 GMT  
LAT 52 31.3N LONG 163 35.2E



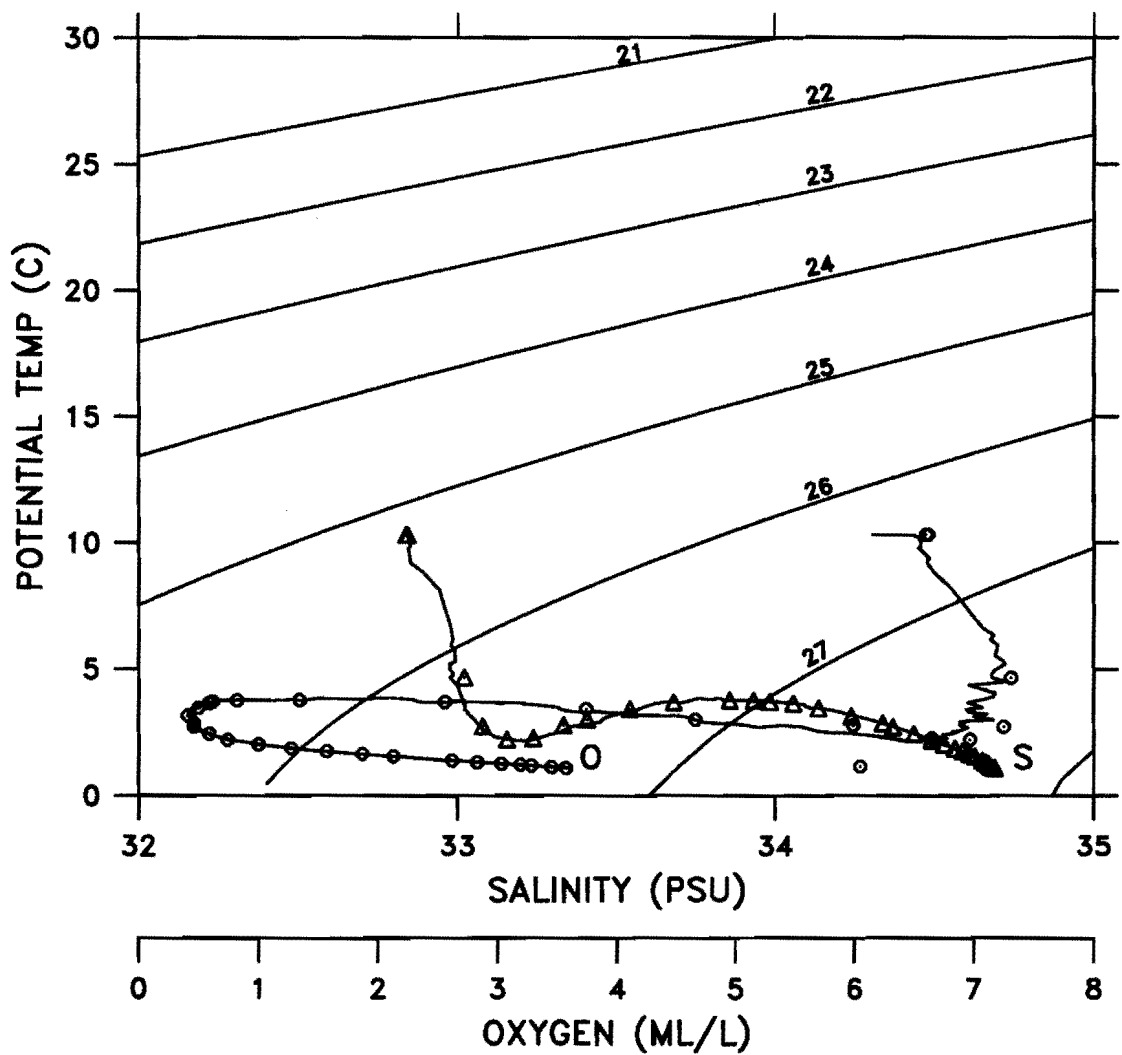


CAST CG1-92-VI-014 DATE 23 AUG 92 TIME 1940 GMT  
 LAT 52 31.3N LONG 163 35.2E WEATHER 1 SEA STATE 8  
 BAROMETER 03 WIND DIR 236 T SPD 30 KT VISIBILITY 7  
 CLOUD 3 AMOUNT 3 DRY 13.9 WET 11.6 DEPTH 5190 M

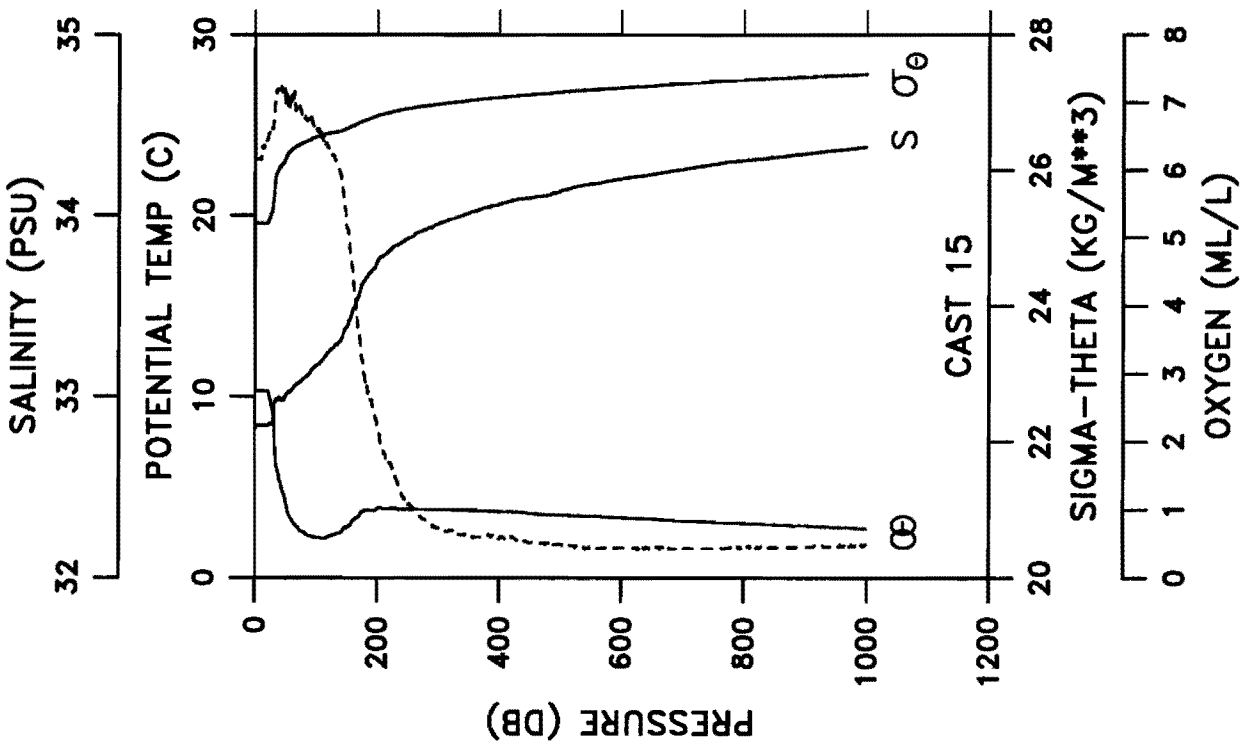


PRES (DB)	POT TEMP (C)	SAL (FSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	10.377	32.926	6.60	25.270	0.000
10	10.376	32.929	6.58	25.272	0.027
20	10.362	32.929	6.56	25.274	0.054
30	8.056	32.968	6.88	25.670	0.080
40	5.254	33.064	7.44	26.112	0.100
50	3.713	33.098	7.46	26.302	0.118
60	2.422	33.145	7.41	26.453	0.134
70	1.874	33.176	7.16	26.520	0.150
80	1.638	33.203	7.03	26.558	0.165
90	1.630	33.226	6.96	26.578	0.179
100	1.693	33.249	6.77	26.591	0.194
110	2.014	33.326	6.02	26.630	0.208
120	2.649	33.482	4.51	26.703	0.222
130	3.160	33.629	2.87	26.777	0.234
140	3.364	33.701	2.36	26.815	0.247
150	3.500	33.748	2.00	26.840	0.259
160	3.603	33.792	1.66	26.865	0.271
170	3.641	33.819	1.42	26.883	0.283
180	3.663	33.842	1.25	26.898	0.295
190	3.667	33.861	1.11	26.914	0.306
200	3.665	33.889	0.95	26.936	0.317
250	3.648	33.963	0.59	26.996	0.372
300	3.591	34.026	0.47	27.052	0.425
350	3.541	34.073	0.45	27.095	0.475
400	3.459	34.122	0.44	27.142	0.523
450	3.386	34.159	0.43	27.178	0.570
500	3.308	34.193	0.41	27.213	0.615
550	3.240	34.219	0.39	27.239	0.658
600	3.151	34.248	0.40	27.271	0.701
650	3.073	34.271	0.39	27.296	0.742
700	3.007	34.292	0.38	27.319	0.782
750	2.933	34.311	0.39	27.341	0.821
800	2.855	34.333	0.40	27.366	0.860
900	2.714	34.369	0.40	27.407	0.933
1000	2.581	34.401	0.45	27.444	1.004
1500	2.027	34.528	0.87	27.591	1.313
2000	1.701	34.595	1.65	27.670	1.577
2500	1.489	34.634	2.32	27.717	1.818
3000	1.341	34.657	2.82	27.746	2.048
3500	1.233	34.670	3.17	27.764	2.273
4000	1.159	34.678	3.38	27.776	2.499
4500	1.109	34.683	3.49	27.783	2.727
5000	1.080	34.686	3.65	27.788	2.963
5252	1.058	34.688	3.75	27.790	3.084

CAST CG1-92-VI -015 DATE 24 AUG 92 TIME 0833 GMT  
LAT 52 00.9N LONG 164 17.3E

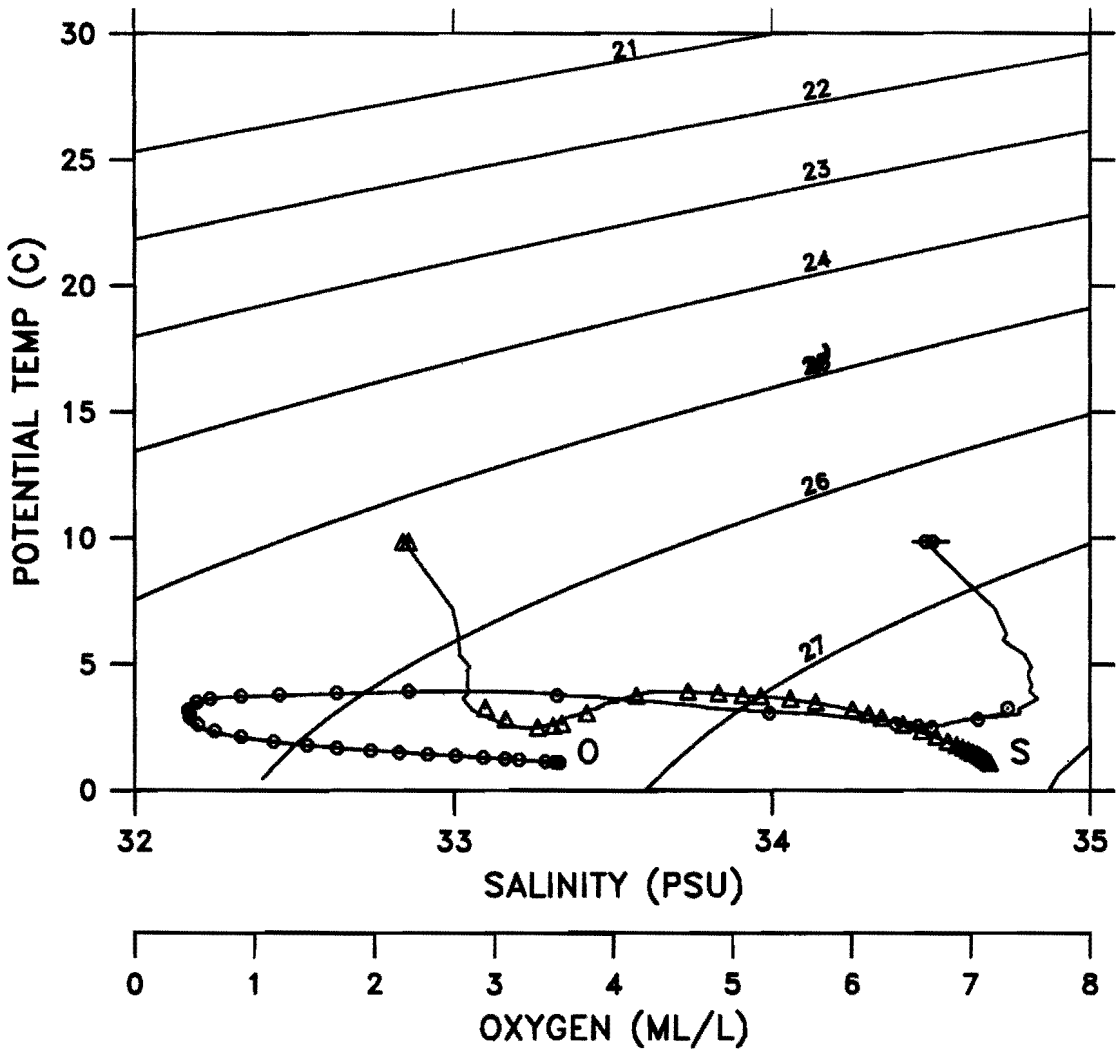


CAST CG1-92-V -015 DATE 24 AUG 92 TIME 0833 GMT  
 LAT 52 00.9N LONG 164 17.3E WEATHER 4 SEA STATE 5  
 BAROMETER 02 WIND DIR 231 T SPD 20 KT VISIBILITY 5  
 CLOUD X AMOUNT 9 DRY 11.2 WET 11.1 DEPTH 4913 M

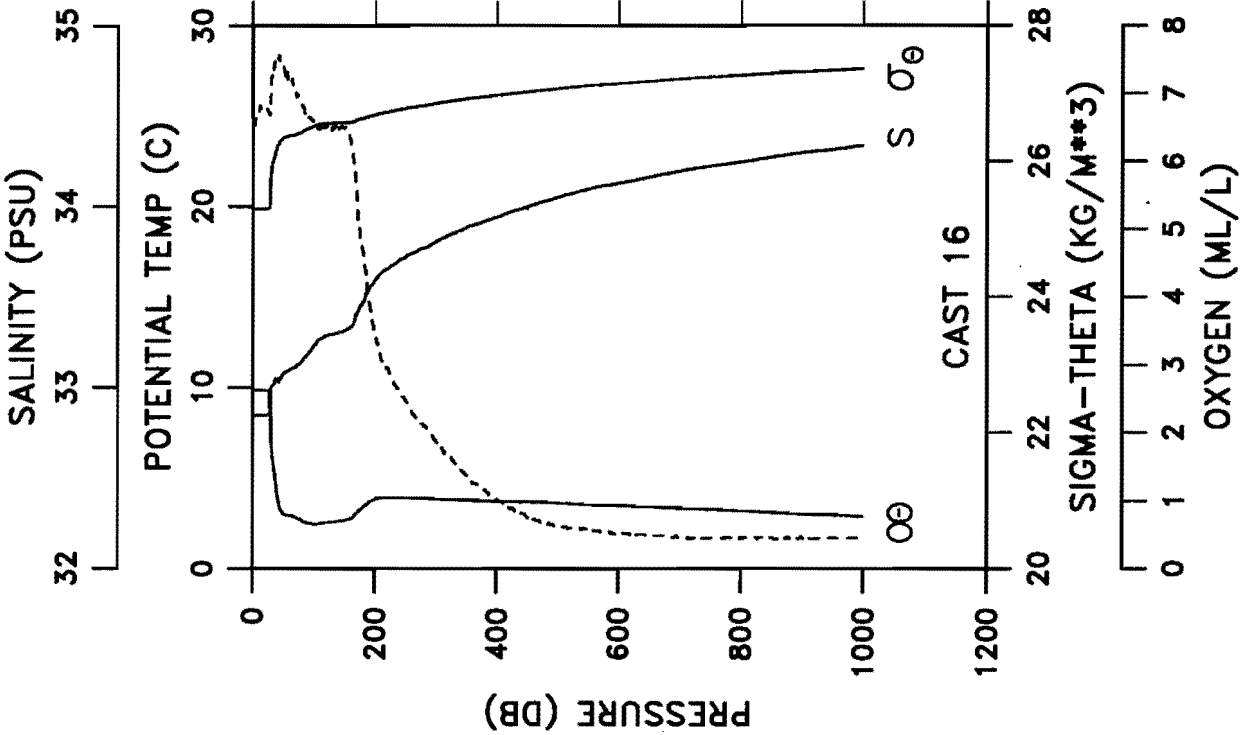


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	10.307	32.839	6.16	25.214	0.000
10	10.306	32.839	6.15	25.214	0.027
20	10.306	32.840	6.44	25.214	0.055
30	8.847	32.890	6.67	25.490	0.081
40	5.315	32.993	7.25	26.049	0.103
50	4.216	33.004	7.07	26.177	0.122
60	3.239	33.031	7.11	26.293	0.139
70	2.762	33.072	6.91	26.366	0.156
80	2.518	33.094	6.86	26.405	0.172
90	2.305	33.124	6.70	26.446	0.188
100	2.221	33.169	6.61	26.488	0.204
110	2.184	33.198	6.45	26.514	0.219
120	2.272	33.243	6.34	26.544	0.234
130	2.362	33.274	6.17	26.561	0.249
140	2.471	33.302	5.95	26.575	0.263
150	2.726	33.378	5.15	26.614	0.278
160	3.156	33.481	4.51	26.659	0.292
170	3.349	33.556	3.58	26.701	0.305
180	3.698	33.645	2.88	26.738	0.319
190	3.700	33.690	2.60	26.774	0.332
200	3.834	33.748	2.18	26.807	0.344
250	3.768	33.868	1.12	26.909	0.404
300	3.748	33.950	0.73	26.976	0.460
350	3.706	34.012	0.63	27.030	0.514
400	3.662	34.062	0.58	27.074	0.565
450	3.537	34.095	0.52	27.113	0.615
500	3.460	34.134	0.49	27.151	0.663
550	3.395	34.174	0.43	27.189	0.709
600	3.320	34.203	0.44	27.219	0.754
650	3.248	34.226	0.43	27.245	0.798
700	3.141	34.253	0.40	27.276	0.841
750	3.067	34.282	0.43	27.306	0.882
800	2.996	34.304	0.46	27.330	0.922
800	2.866	34.341	0.45	27.371	0.999
1000	2.711	34.379	0.47	27.416	1.073
1500	2.105	34.516	0.90	27.575	1.395
2000	1.749	34.590	1.58	27.663	1.666
2500	1.512	34.632	2.24	27.714	1.911
3000	1.347	34.656	2.77	27.745	2.142
3500	1.236	34.670	3.14	27.764	2.368
4000	1.174	34.677	3.33	27.774	2.593
4500	1.129	34.681	3.45	27.780	2.825
5000	1.098	34.684	3.61	27.785	3.062
5004	1.098	34.684	3.58	27.785	3.064

CAST CG1-92-VI -016 DATE 24 AUG 92 TIME 1828 GMT  
LAT 51 29.7N LONG 164 59.1E

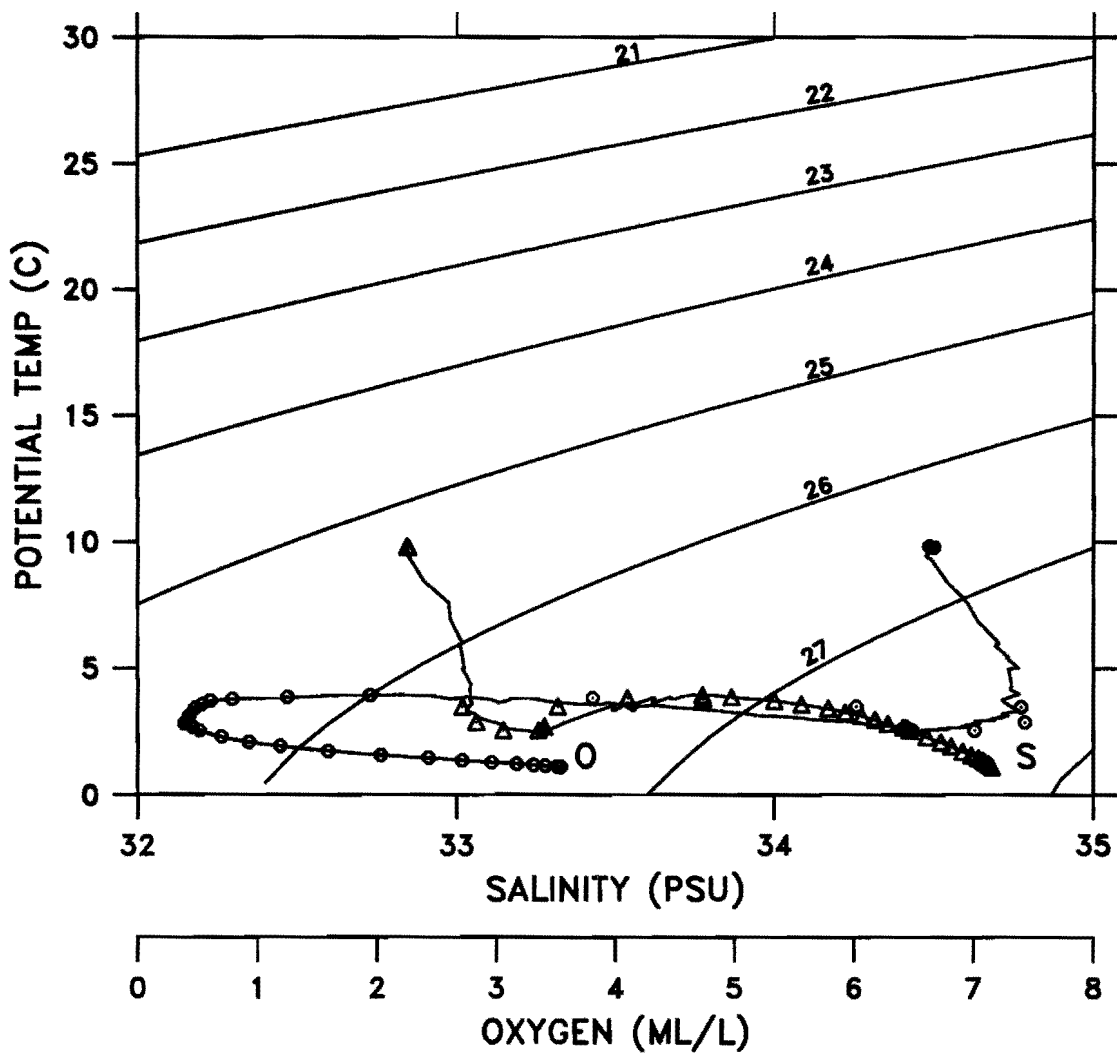


CAST CG1-92-VI -016 DATE 24 AUG 92 TIME 1828 GMT  
 LAT 51 29.7N LONG 164 59.1E WEATHER 4 SEA STATE 4  
 BAROMETER 01 WIND DIR 234 T SPD 19 KT VISIBILITY 4  
 CLOUD X AMOUNT 9 DRY 11.5 WET 11.0 DEPTH M

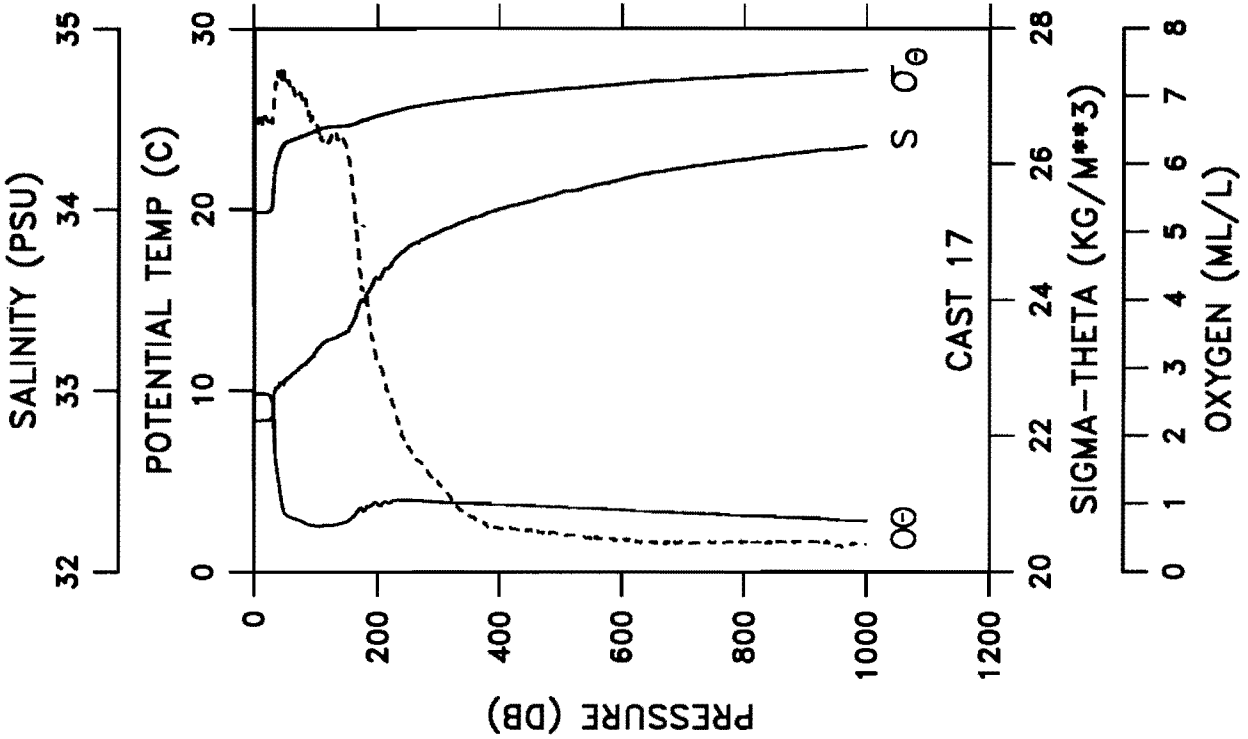


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	9.848	32.840	6.52	25.291	0.000
10	9.847	32.847	6.72	25.297	0.027
20	9.845	32.847	6.81	25.297	0.053
30	7.192	32.985	7.20	25.814	0.079
40	4.161	33.041	7.51	26.212	0.099
50	3.034	33.077	7.40	26.347	0.116
60	2.944	33.097	7.17	26.371	0.133
70	2.841	33.112	7.04	26.392	0.149
80	2.697	33.141	6.84	26.427	0.165
90	2.541	33.183	6.65	26.474	0.181
100	2.477	33.228	6.62	26.515	0.196
110	2.506	33.267	6.47	26.544	0.211
120	2.560	33.286	6.50	26.554	0.226
130	2.593	33.295	6.50	26.559	0.241
140	2.626	33.302	6.51	26.562	0.256
150	2.674	33.312	6.49	26.566	0.270
160	2.768	33.331	6.32	26.573	0.285
170	3.069	33.400	5.57	26.602	0.299
180	3.371	33.469	4.67	26.630	0.314
190	3.655	33.536	3.98	26.655	0.328
200	3.832	33.589	3.48	26.681	0.341
250	3.915	33.718	2.49	26.775	0.408
300	3.855	33.804	1.88	26.849	0.470
350	3.783	33.882	1.37	26.919	0.529
400	3.730	33.940	1.03	26.970	0.586
450	3.688	33.988	0.76	27.013	0.640
500	3.626	34.050	0.64	27.068	0.692
550	3.541	34.094	0.58	27.111	0.743
600	3.484	34.128	0.52	27.144	0.791
650	3.431	34.161	0.47	27.175	0.839
700	3.347	34.194	0.46	27.208	0.884
750	3.264	34.222	0.45	27.240	0.929
800	3.194	34.245	0.45	27.265	0.972
850	3.027	34.297	0.45	27.322	1.056
900	2.888	34.336	0.45	27.366	1.134
1000	2.224	34.491	0.75	27.546	1.479
1500	1.793	34.579	1.41	27.651	1.760
2000	1.536	34.628	2.14	27.708	2.009
2500	1.368	34.653	2.70	27.742	2.243
3000	1.251	34.668	3.08	27.762	2.471
3500	1.172	34.677	3.33	27.775	2.698
4000	1.127	34.682	3.42	27.781	2.928
4500	1.101	34.684	3.59	27.785	3.097

CAST CG1-92-VI -017 DATE 25 AUG 92 TIME 0205 GMT  
LAT 50 59.1N LONG 164 57.7E

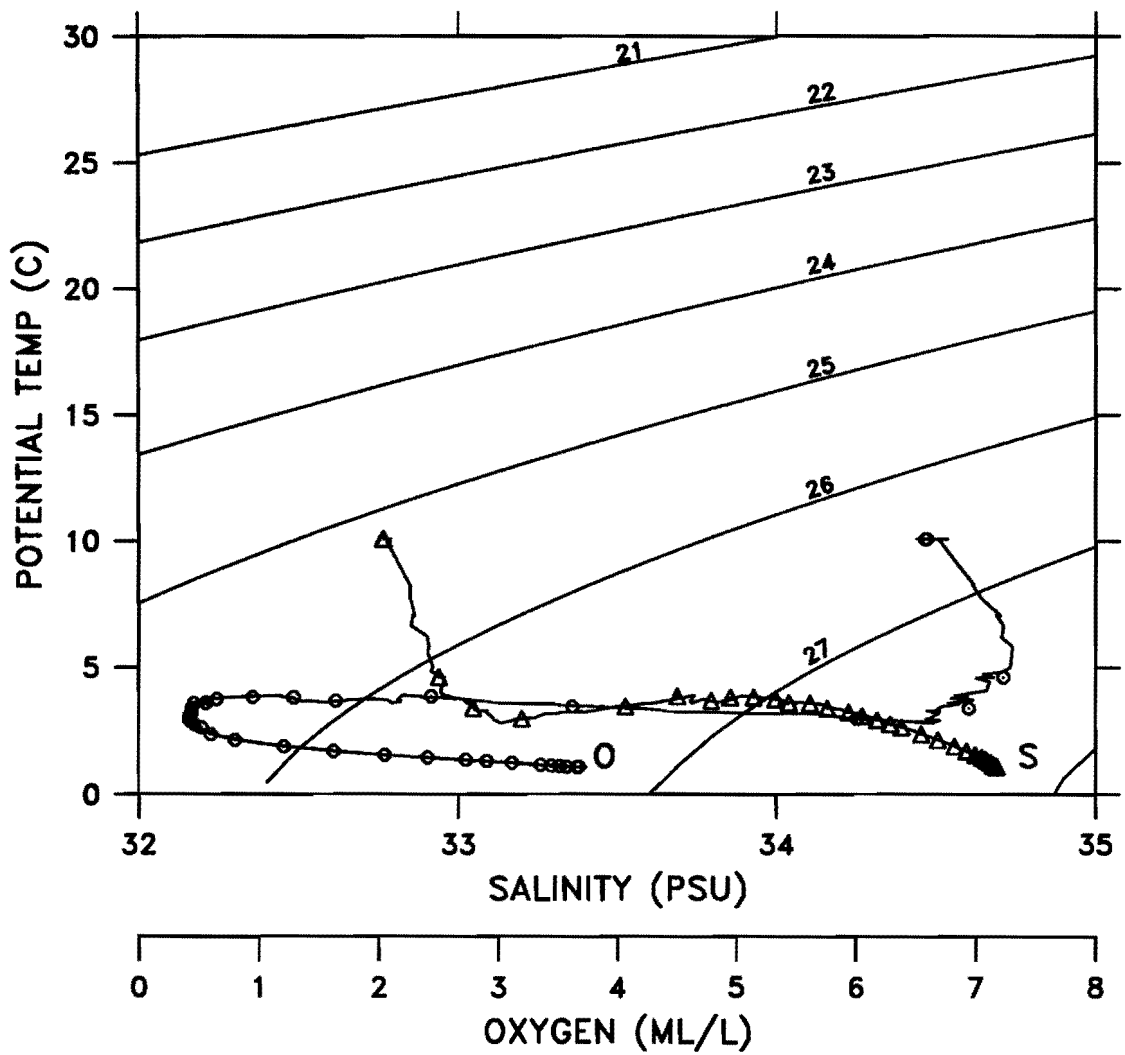


CAST CG1-92-VI -017 DATE 25 AUG 92 TIME 0205 GMT  
 LAT 50 59.1N LONG 164 57.7E WEATHER 5 SEA STATE 3  
 BAROMETER 01 WIND DNR 336 T SPD 16 KT VISIBILITY 3  
 CLOUD 4 AMOUNT 8 DRY 11.8 WET 11.0 DEPTH 4845 M



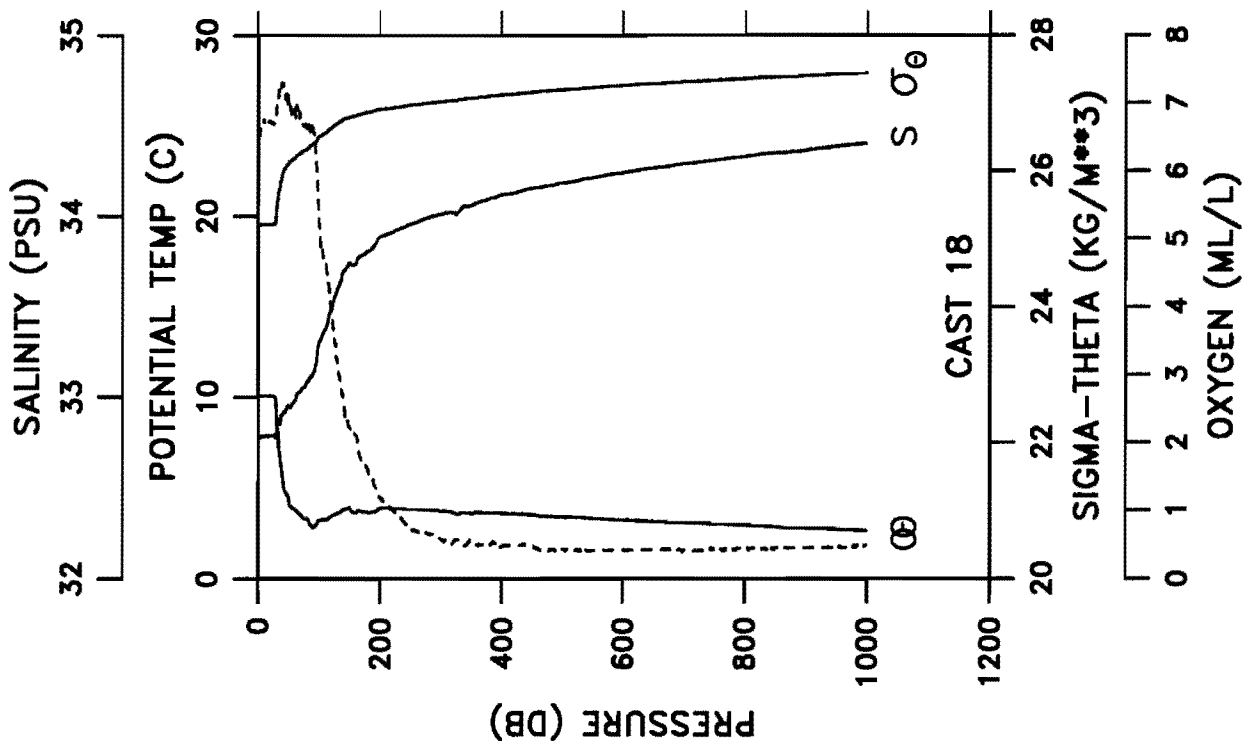
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	9.830	32.834	6.61	25.290	0.000
10	9.829	32.835	6.69	25.291	0.027
20	9.823	32.835	6.65	25.292	0.053
30	9.298	32.854	6.65	25.391	0.060
40	4.990	33.018	7.30	26.105	0.101
50	3.223	33.082	7.25	26.310	0.119
60	2.906	33.062	7.15	26.356	0.135
70	2.879	33.113	7.04	26.369	0.152
80	2.741	33.140	6.93	26.423	0.168
90	2.583	33.174	6.61	26.463	0.184
100	2.534	33.215	6.57	26.499	0.199
110	2.535	33.257	6.35	26.533	0.214
120	2.552	33.279	6.34	26.550	0.229
130	2.598	33.291	6.45	26.556	0.244
140	2.665	33.306	6.35	26.562	0.259
150	2.758	33.326	6.21	26.569	0.274
160	3.037	33.378	5.58	26.587	0.288
170	3.454	33.477	4.47	26.628	0.302
180	3.374	33.501	4.12	26.655	0.316
190	3.661	33.577	3.50	26.688	0.330
200	3.713	33.619	3.08	26.716	0.344
250	3.937	33.792	1.84	26.831	0.408
300	3.843	33.875	1.28	26.907	0.467
350	3.777	33.945	0.83	26.970	0.524
400	3.711	34.002	0.64	27.021	0.578
450	3.642	34.046	0.62	27.063	0.630
500	3.581	34.094	0.54	27.108	0.681
550	3.490	34.128	0.51	27.144	0.729
600	3.418	34.168	0.48	27.182	0.776
650	3.317	34.205	0.43	27.221	0.821
700	3.249	34.230	0.42	27.247	0.865
750	3.178	34.254	0.43	27.273	0.908
800	3.098	34.275	0.43	27.298	0.950
900	2.958	34.317	0.45	27.344	1.030
1000	2.790	34.350	0.40	27.385	1.107
1500	2.177	34.500	0.82	27.557	1.442
2000	1.777	34.582	1.43	27.654	1.720
2500	1.528	34.628	2.14	27.709	1.967
3000	1.357	34.654	2.69	27.743	2.200
3500	1.239	34.670	3.08	27.764	2.427
4000	1.163	34.679	3.35	27.776	2.652
4500	1.119	34.684	3.45	27.783	2.882
4782	1.100	34.686	3.55	27.786	3.014

CAST CG1-92-VI -018 DATE 25 AUG 92 TIME 0942 GMT  
LAT 50 30.8N LONG 164 57.2E



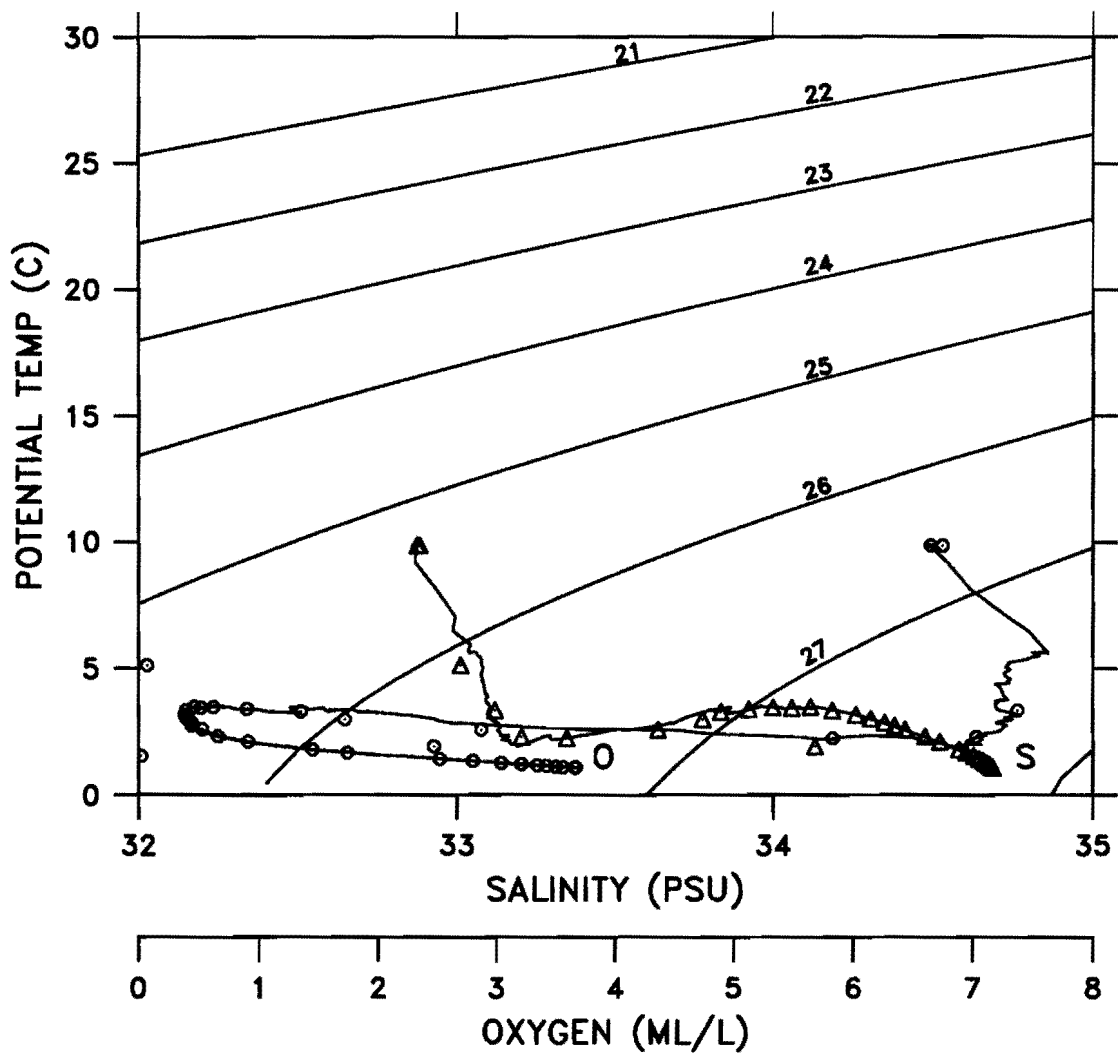


CAST CG1-92-VI -018 DATE 25 AUG 92 TIME 0942 GMT  
 LAT 50 30.8N LONG 164 57.2E WEATHER 4 SEA STATE 4  
 BAROMETER 01 WIND DIR 276 T SPD 16 KT VISIBILITY 4  
 CLOUD X AMOUNT 9 DRY 11.2 WET 11.1 DEPTH 5597 M

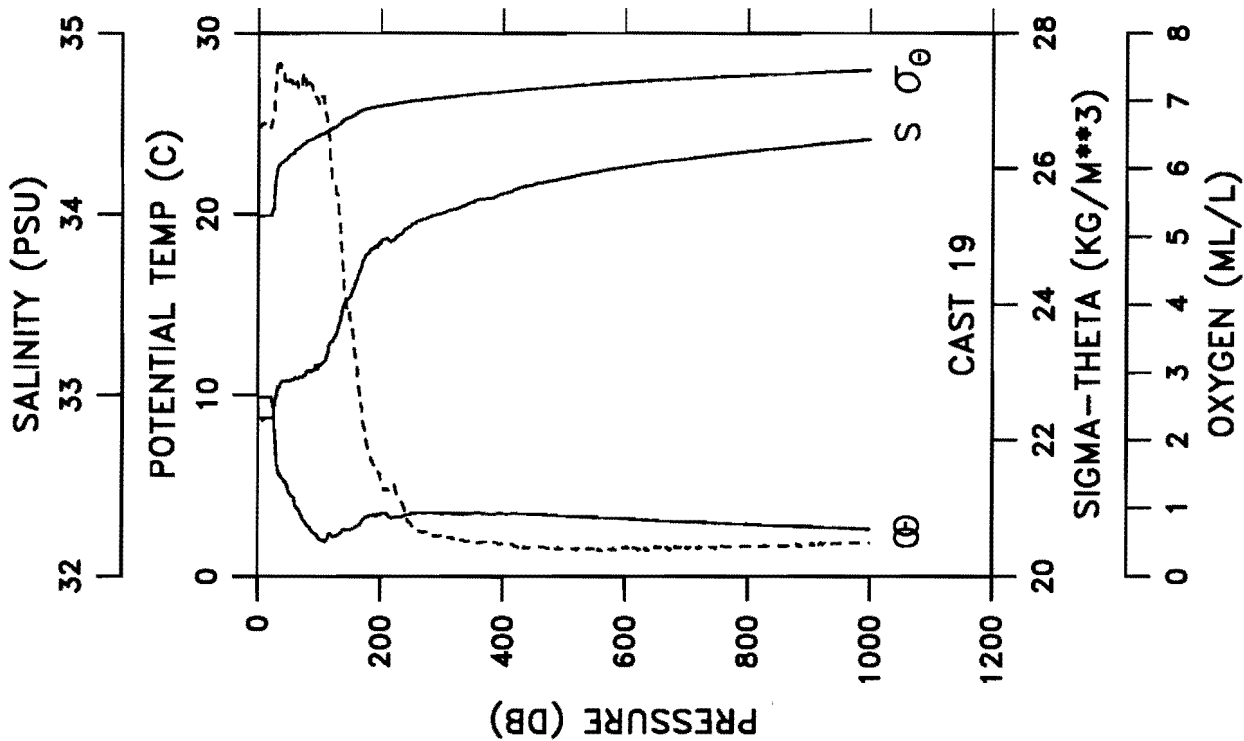


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	10.080	32.774	6.50	25.201	0.000
10	10.073	32.787	6.72	25.212	0.028
20	10.073	32.787	6.74	25.213	0.055
30	8.133	32.812	6.84	25.384	0.082
40	5.590	32.904	7.30	25.946	0.105
50	4.440	32.955	7.12	26.115	0.125
60	3.806	32.983	6.85	26.201	0.143
70	3.501	33.040	6.78	26.276	0.161
80	3.309	33.087	6.60	26.331	0.178
90	2.804	33.132	6.63	26.411	0.194
100	3.196	33.308	5.28	26.517	0.210
110	3.244	33.373	4.67	26.584	0.225
120	3.430	33.484	3.92	26.635	0.239
130	3.590	33.603	3.15	26.715	0.253
140	3.800	33.697	2.55	26.770	0.266
150	3.897	33.743	2.22	26.796	0.279
160	3.594	33.734	2.11	26.819	0.291
170	3.686	33.785	1.72	26.851	0.303
180	3.633	33.807	1.57	26.874	0.315
190	3.692	33.834	1.41	26.889	0.327
200	3.854	33.884	1.19	26.913	0.338
250	3.816	33.957	0.73	26.975	0.395
300	3.720	34.010	0.56	27.027	0.448
350	3.581	34.059	0.55	27.080	0.499
400	3.590	34.119	0.47	27.126	0.548
450	3.511	34.154	0.48	27.162	0.596
500	3.383	34.184	0.43	27.198	0.641
550	3.306	34.213	0.41	27.229	0.686
600	3.219	34.240	0.42	27.258	0.729
650	3.132	34.267	0.42	27.288	0.771
700	3.069	34.291	0.41	27.313	0.811
750	2.989	34.309	0.42	27.335	0.851
800	2.910	34.329	0.44	27.358	0.890
850	2.754	34.365	0.45	27.400	0.964
900	2.626	34.404	0.47	27.442	1.035
1000	2.038	34.531	0.98	27.593	1.345
1500	1.695	34.598	1.63	27.673	1.608
2000	1.484	34.635	2.27	27.718	1.848
2500	1.330	34.658	2.79	27.748	2.077
3000	1.223	34.671	3.19	27.765	2.300
3500	1.162	34.677	3.34	27.775	2.525
4000	1.121	34.682	3.48	27.782	2.755
4500	1.091	34.686	3.55	27.787	2.981
5000	1.071	34.688	3.69	27.790	3.322
5670					

CAST CG1-92-VI -019 DATE 25 AUG 92 TIME 1738 GMT  
LAT 49 59.1N LONG 165 00.1E

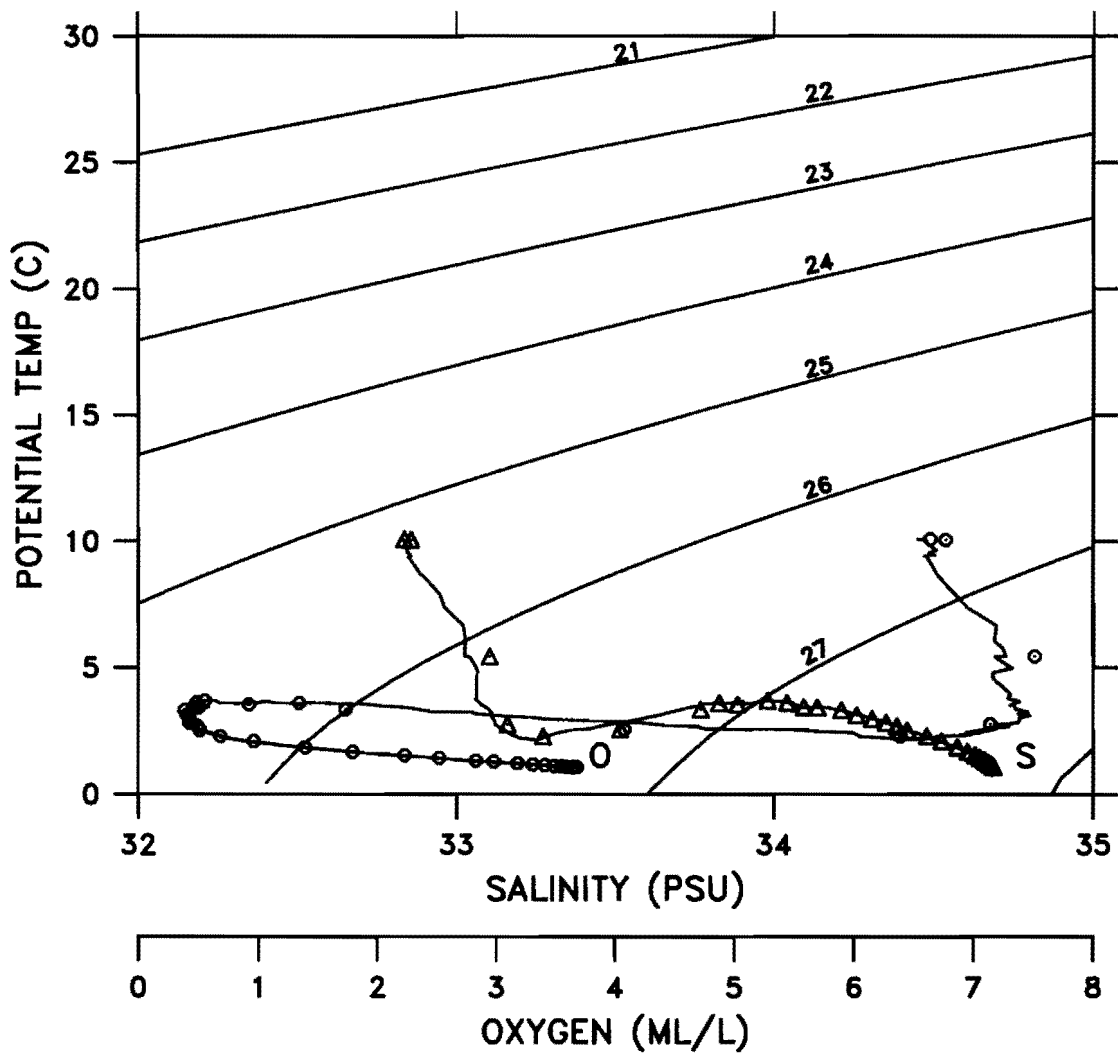


CAST CG1-92-VI -019 DATE 25 AUG 92 TIME 1738 GMT  
 LAT 49 59.1N LONG 165 00.1E WEATHER 4 SEA STATE 3  
 BAROMETER 04 WIND DIR 310 T SPD 13 KT VISIBILITY 3  
 CLOUD X AMOUNT 9 DRY 10.9 WET 10.7 DEPTH 5515 M

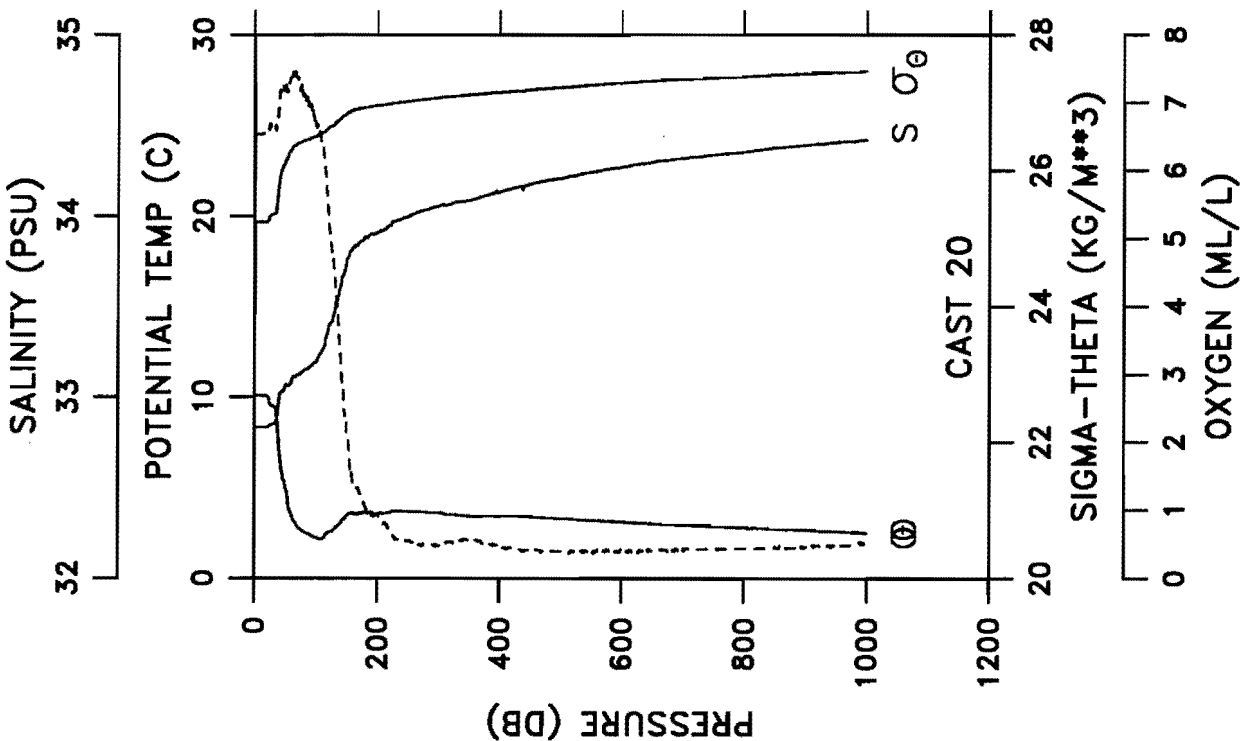


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	9.878	32.872	6.61	25.311	0.000
10	9.874	32.871	6.67	25.312	0.027
20	9.870	32.872	6.61	25.313	0.053
30	6.482	32.986	7.46	25.901	0.078
40	5.403	33.074	7.46	26.103	0.097
50	4.888	33.076	7.27	26.185	0.116
60	4.020	33.088	7.25	26.264	0.134
70	3.360	33.100	7.21	26.336	0.151
80	2.822	33.130	7.22	26.408	0.168
90	2.443	33.137	7.11	26.445	0.184
100	2.094	33.165	6.94	26.495	0.199
110	1.907	33.190	6.83	26.529	0.214
120	2.275	33.293	5.86	26.583	0.229
130	2.270	33.360	5.61	26.637	0.243
140	2.573	33.496	4.27	26.721	0.257
150	2.570	33.541	3.77	26.758	0.270
160	2.726	33.629	3.16	26.814	0.283
170	2.991	33.713	2.49	26.859	0.295
180	3.276	33.782	1.86	26.888	0.306
190	3.348	33.815	1.64	26.907	0.318
200	3.377	33.836	1.42	26.921	0.329
250	3.436	33.940	0.77	26.998	0.384
300	3.447	34.006	0.60	27.050	0.437
350	3.426	34.065	0.53	27.099	0.487
400	3.444	34.114	0.48	27.137	0.535
450	3.413	34.162	0.43	27.178	0.582
500	3.328	34.198	0.41	27.215	0.627
550	3.241	34.232	0.38	27.250	0.670
600	3.158	34.260	0.43	27.280	0.712
650	3.070	34.287	0.44	27.310	0.753
700	3.001	34.305	0.43	27.330	0.792
750	2.920	34.327	0.43	27.355	0.831
800	2.850	34.346	0.44	27.376	0.869
900	2.719	34.378	0.46	27.414	0.942
1000	2.577	34.412	0.49	27.453	1.012
1500	1.994	34.538	1.05	27.602	1.317
2000	1.663	34.602	1.73	27.679	1.577
2500	1.452	34.640	2.42	27.725	1.813
3000	1.305	34.660	2.93	27.752	2.039
3500	1.213	34.672	3.21	27.768	2.261
4000	1.149	34.679	3.45	27.777	2.484
4500	1.109	34.683	3.54	27.783	2.712
5000	1.084	34.685	3.67	27.787	2.948
5581	1.071	34.686	3.70	27.789	3.234

CAST CG1-92-VI -020 DATE 26 AUG 92 TIME 0102 GMT  
LAT 49 30.1N LONG 165 00.7E

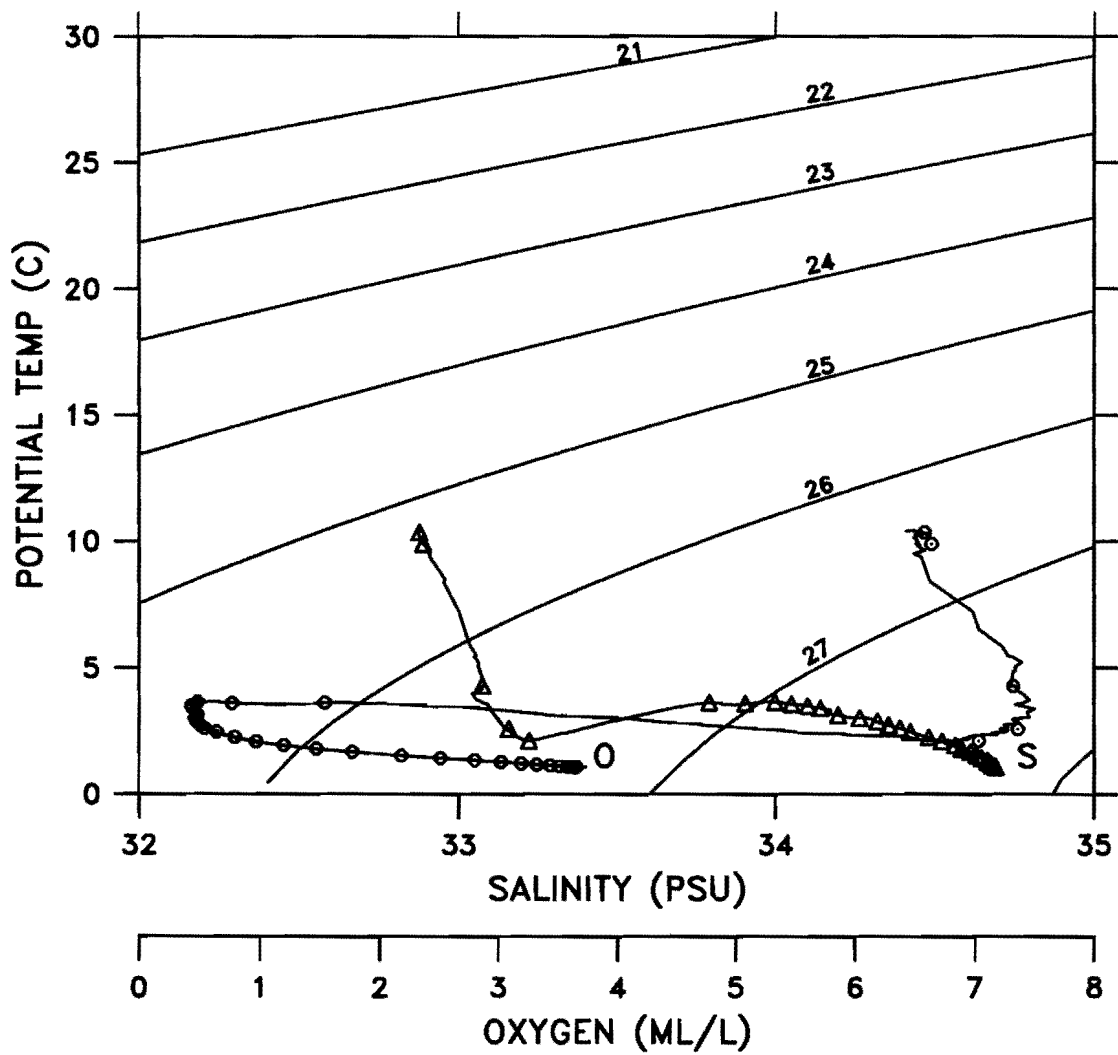


CAST CG1-92-VI --020 DATE 26 AUG 92 TIME 0102 GMT  
 LAT 49 30.1N LONG 165 00.7E WEATHER 4 SEA STATE 2  
 BAROMETER 05 WIND DIR 347 T SPD 06 KT VISIBILITY 4  
 CLOUD 4 AMOUNT 8 DRY 11.9 WET 10.5 DEPTH 5515 M

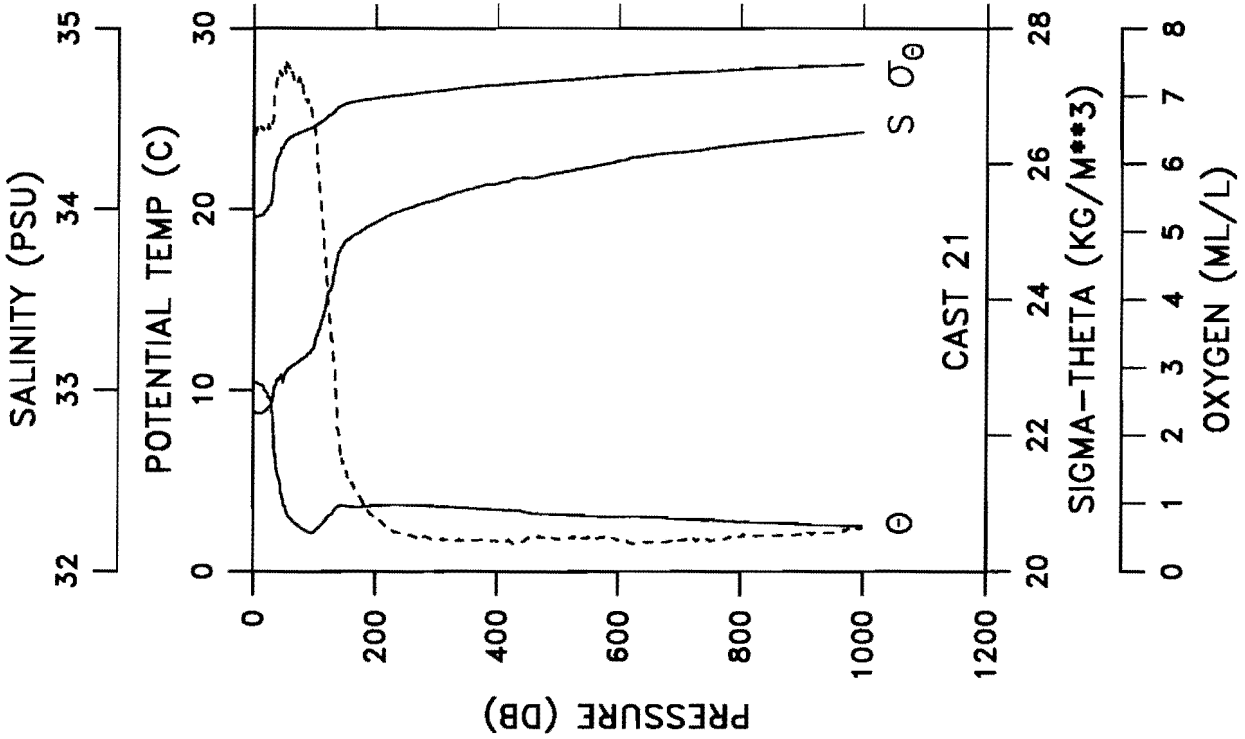


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	10.073	32.831	6.53	25.247	0.000
10	10.071	32.831	6.54	25.247	0.027
20	10.063	32.832	6.58	25.249	0.054
30	9.494	32.850	6.63	25.357	0.081
40	7.020	32.983	7.07	25.835	0.106
50	4.973	33.064	7.33	26.143	0.126
60	3.507	33.082	7.34	26.308	0.143
70	2.821	33.121	7.37	26.401	0.160
80	2.574	33.146	7.19	26.442	0.176
90	2.405	33.166	7.01	26.471	0.192
100	2.253	33.194	6.63	26.505	0.207
110	2.170	33.257	6.35	26.562	0.222
120	2.568	33.390	5.27	26.637	0.236
130	2.723	33.472	4.41	26.689	0.250
140	3.057	33.616	3.19	26.775	0.263
150	3.468	33.759	2.09	26.851	0.275
160	3.589	33.824	1.41	26.891	0.287
170	3.587	33.855	1.26	26.916	0.299
180	3.652	33.885	1.04	26.934	0.310
190	3.654	33.903	0.96	26.948	0.321
200	3.557	33.909	0.93	26.962	0.332
250	3.678	33.999	0.55	27.022	0.386
300	3.594	34.054	0.48	27.075	0.437
350	3.411	34.086	0.56	27.117	0.486
400	3.415	34.132	0.50	27.154	0.533
450	3.381	34.175	0.42	27.191	0.579
500	3.291	34.208	0.41	27.226	0.624
550	3.195	34.243	0.40	27.263	0.667
600	3.114	34.270	0.44	27.292	0.708
650	3.027	34.297	0.44	27.322	0.748
700	2.949	34.318	0.41	27.345	0.787
750	2.882	34.337	0.44	27.367	0.825
800	2.803	34.353	0.44	27.386	0.862
900	2.667	34.390	0.46	27.428	0.934
1000	2.508	34.419	0.52	27.465	1.002
1500	1.994	34.539	1.06	27.603	1.304
2000	1.869	34.607	1.82	27.682	1.563
2500	1.466	34.640	2.41	27.724	1.799
3000	1.318	34.662	2.86	27.752	2.025
3500	1.213	34.675	3.19	27.770	2.246
4000	1.154	34.681	3.38	27.778	2.469
4500	1.115	34.684	3.49	27.784	2.697
5000	1.087	34.688	3.67	27.789	2.933
5619	1.075	34.687	3.68	27.789	3.238

CAST CG1-92-VI -021 DATE 26 AUG 92 TIME 0853 GMT  
LAT 48 59.6N LONG 164 58.2E

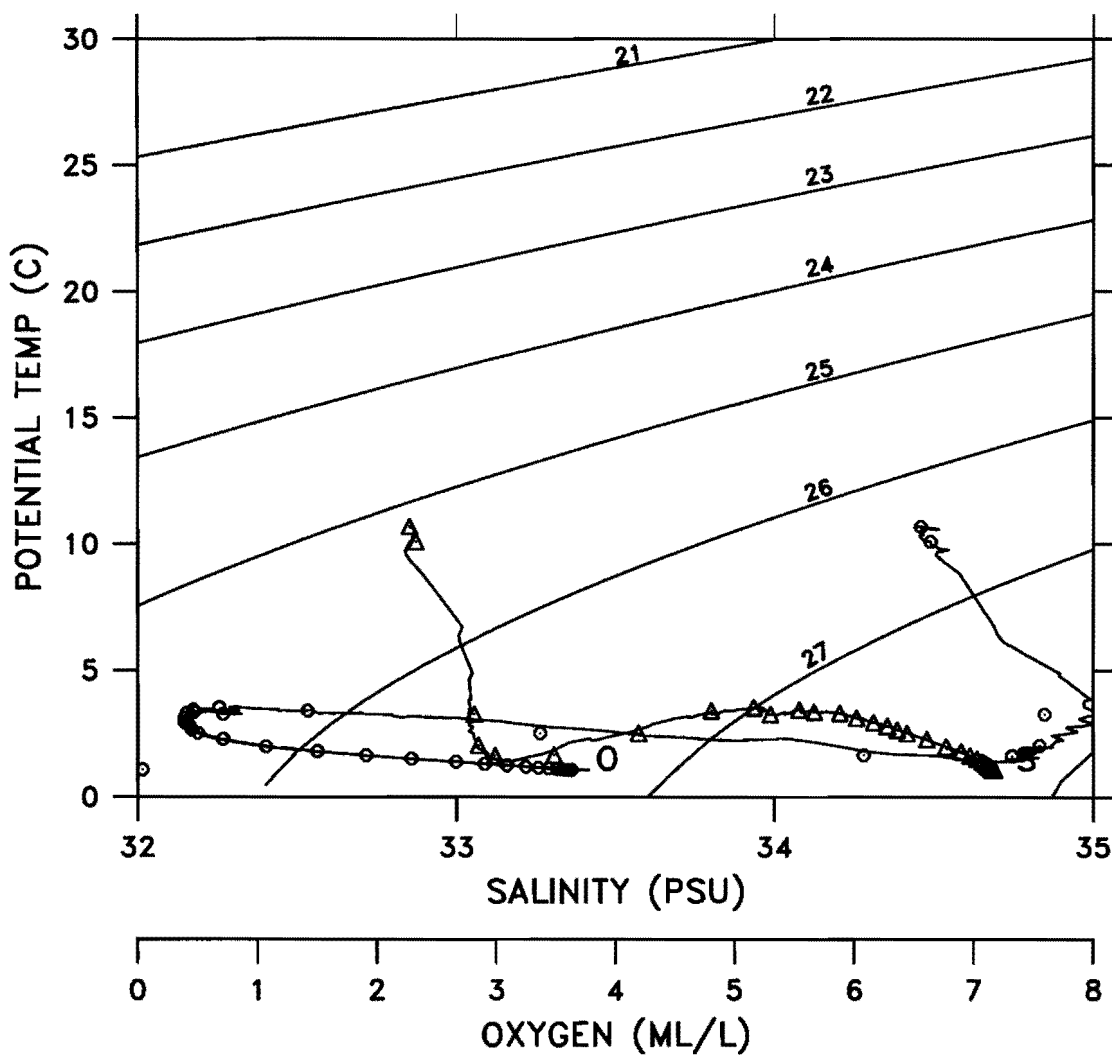


CAST CG1-92-VI -021 DATE 26 AUG 92 TIME 0853 GMT  
 LAT 48 59.6N LONG 164 58.2E WEATHER 4 SEA STATE 3  
 BAROMETER 02 WIND DIR 252 T SPD 02 KT VISIBILITY 6  
 CLOUD 4 AMOUNT 8 DRY 10.4 WET 10.1 DEPTH 5500 M



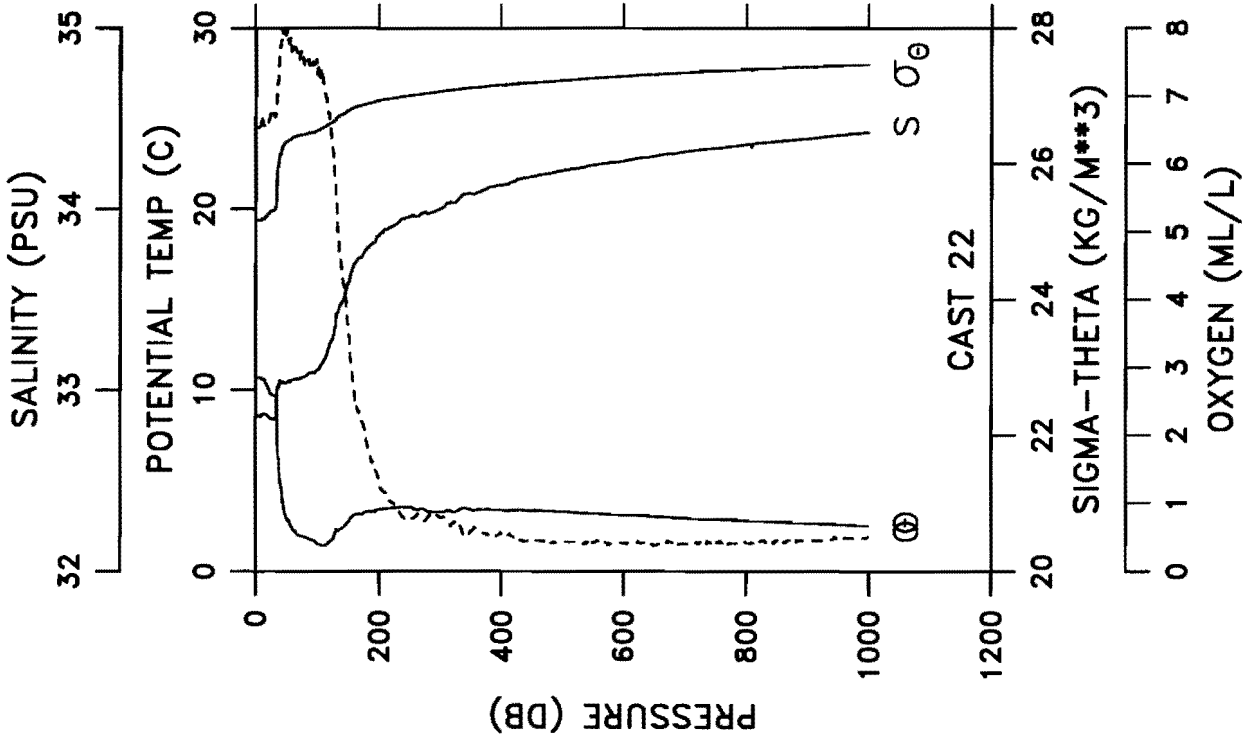
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	10.420	32.879	6.43	25.226	0.000
10	10.312	32.873	6.59	25.239	0.027
20	9.937	32.887	6.51	25.313	0.054
30	8.932	32.933	6.59	25.511	0.080
40	5.211	33.063	7.39	26.116	0.101
50	3.657	33.070	7.42	26.285	0.120
60	2.953	33.124	7.31	26.392	0.136
70	2.638	33.145	7.27	26.435	0.152
80	2.360	33.173	7.12	26.480	0.168
90	2.176	33.200	6.94	26.516	0.183
100	2.154	33.243	6.55	26.552	0.198
110	2.500	33.361	5.46	26.619	0.213
120	2.885	33.485	4.33	26.686	0.226
130	3.181	33.590	3.37	26.744	0.240
140	3.598	33.764	2.04	26.843	0.252
150	3.608	33.821	1.53	26.887	0.264
160	3.557	33.844	1.32	26.910	0.276
170	3.533	33.864	1.16	26.929	0.287
180	3.562	33.889	1.01	26.946	0.298
190	3.584	33.909	0.88	26.960	0.309
200	3.608	33.926	0.81	26.971	0.320
250	3.645	34.000	0.55	27.026	0.373
300	3.566	34.052	0.49	27.076	0.425
350	3.492	34.109	0.46	27.128	0.473
400	3.406	34.142	0.44	27.162	0.520
450	3.253	34.171	0.47	27.200	0.566
500	3.131	34.199	0.47	27.234	0.609
550	3.054	34.231	0.49	27.266	0.652
600	3.017	34.268	0.47	27.299	0.693
650	2.980	34.297	0.43	27.325	0.733
700	2.879	34.316	0.46	27.350	0.771
750	2.825	34.335	0.45	27.370	0.809
800	2.734	34.356	0.51	27.394	0.846
900	2.599	34.394	0.56	27.437	0.917
1000	2.468	34.426	0.63	27.474	0.984
1500	2.006	34.538	1.05	27.601	1.285
2000	1.668	34.608	1.79	27.683	1.545
2500	1.453	34.643	2.43	27.727	1.779
3000	1.314	34.663	2.86	27.753	2.004
3500	1.214	34.675	3.23	27.770	2.225
4000	1.153	34.682	3.40	27.779	2.448
4500	1.110	34.686	3.50	27.785	2.676
5000	1.083	34.688	3.67	27.789	2.910
5669	1.075	34.687	3.69	27.789	3.240

CAST CG1-92-VI -022 DATE 26 AUG 92 TIME 1627 GMT  
LAT 48 29.9N LONG 165 01.0E



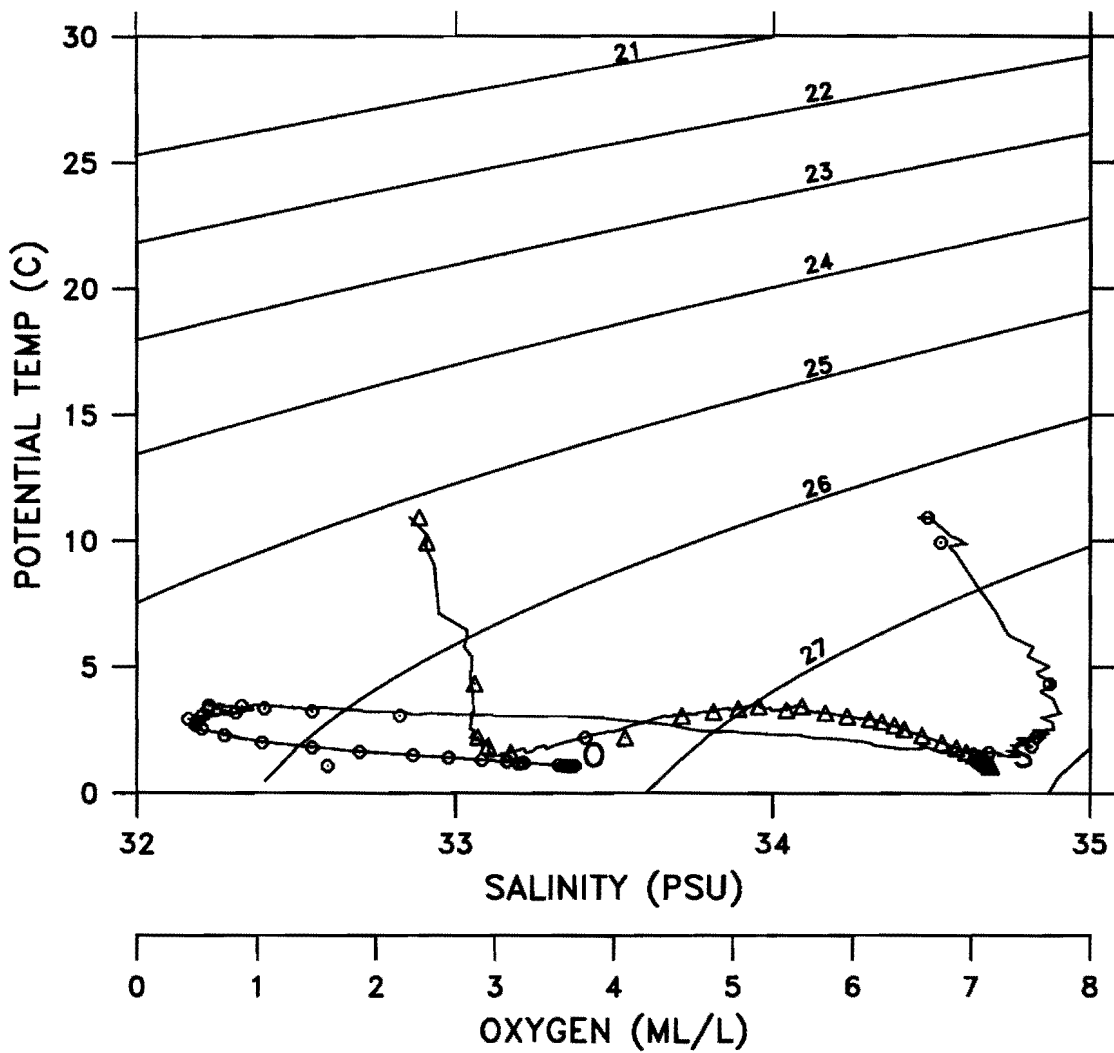


CAST CG1-92-VI -022 DATE 26 AUG 92 TIME 1627 GMT  
 LAT 48.29.9N LONG 165.01.0E WEATHER 4 SEA STATE 2  
 BAROMETER 09 WIND DIR 280 T SPD 07 KT VISIBILITY 6  
 CLOUD X AMOUNT 9 DRY 10.1 WET 09.8 DEPTH 5873 M

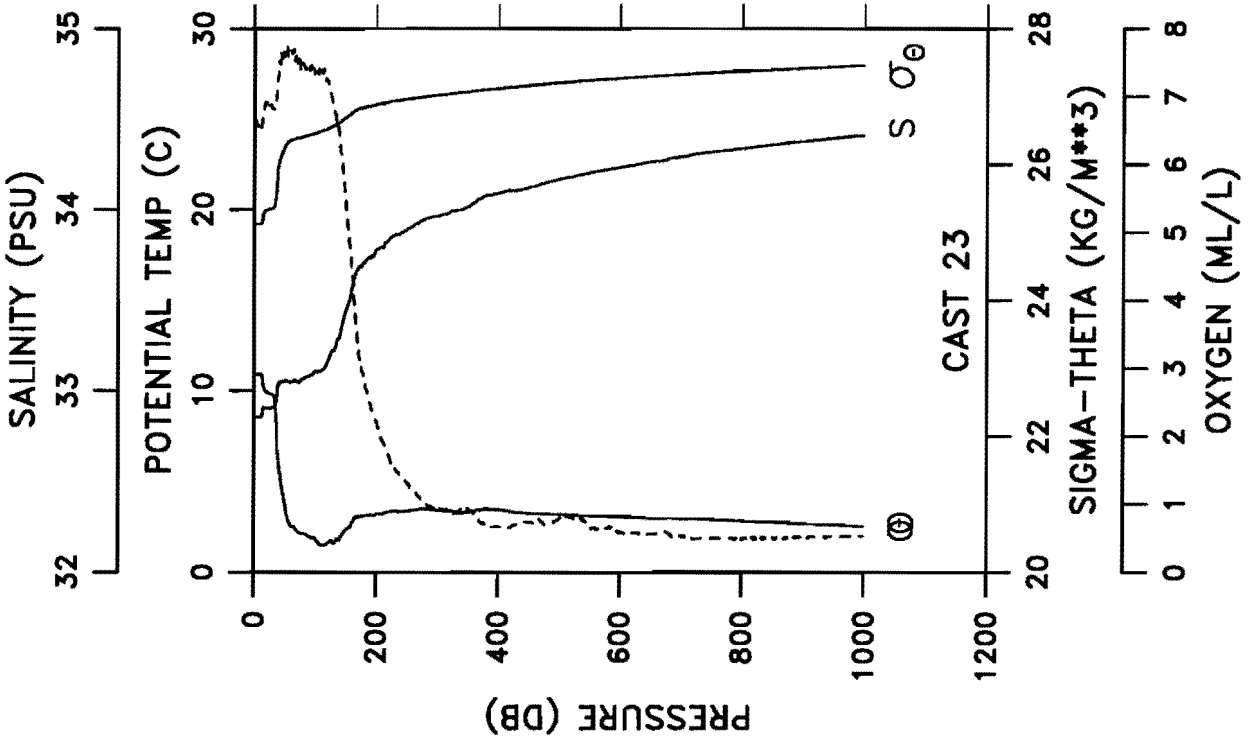


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	10.682	32.859	6.53	25.165	0.000
10	10.573	32.866	6.71	25.189	0.028
20	10.117	32.857	6.61	25.259	0.055
30	9.697	32.839	6.72	25.315	0.082
40	4.803	33.045	7.71	26.147	0.105
50	2.888	33.042	8.01	26.332	0.122
60	2.319	33.055	7.52	26.390	0.139
70	1.982	33.063	7.52	26.421	0.155
80	1.885	33.074	7.48	26.437	0.171
90	1.759	33.091	7.46	26.460	0.187
100	1.499	33.109	7.35	26.493	0.202
110	1.420	33.162	7.14	26.540	0.217
120	1.660	33.256	6.59	26.599	0.232
130	2.313	33.420	5.43	26.682	0.246
140	2.399	33.487	4.36	26.728	0.259
150	2.738	33.592	3.50	26.784	0.272
160	3.130	33.702	2.47	26.838	0.284
170	3.144	33.730	2.21	26.858	0.296
180	3.297	33.785	1.87	26.888	0.308
190	3.324	33.813	1.59	26.908	0.320
200	3.392	33.854	1.28	26.934	0.331
250	3.531	33.959	0.77	27.004	0.386
300	3.256	34.002	0.79	27.065	0.437
350	3.391	34.085	0.59	27.118	0.487
400	3.354	34.133	0.55	27.160	0.534
450	3.345	34.178	0.43	27.197	0.579
500	3.289	34.212	0.43	27.230	0.624
550	3.183	34.243	0.42	27.264	0.666
600	3.097	34.264	0.42	27.289	0.708
650	3.012	34.291	0.38	27.318	0.748
700	2.934	34.317	0.41	27.346	0.787
750	2.869	34.336	0.43	27.367	0.825
800	2.791	34.355	0.42	27.389	0.862
900	2.646	34.389	0.45	27.429	0.934
1000	2.502	34.422	0.51	27.468	1.002
1500	1.988	34.539	1.07	27.604	1.303
2000	1.692	34.603	1.73	27.677	1.562
2500	1.465	34.641	2.44	27.724	1.799
3000	1.310	34.662	2.91	27.753	2.025
3500	1.213	34.675	3.22	27.769	2.246
4000	1.149	34.681	3.43	27.779	2.469
4500	1.111	34.685	3.58	27.785	2.696
5000	1.087	34.687	3.67	27.788	2.932
5949	1.075	34.686	3.73	27.788	3.407

CAST CG1-92-VI -023 DATE 26 AUG 92 TIME 2356 GMT  
LAT 47 59.4N LONG 165 00.1E

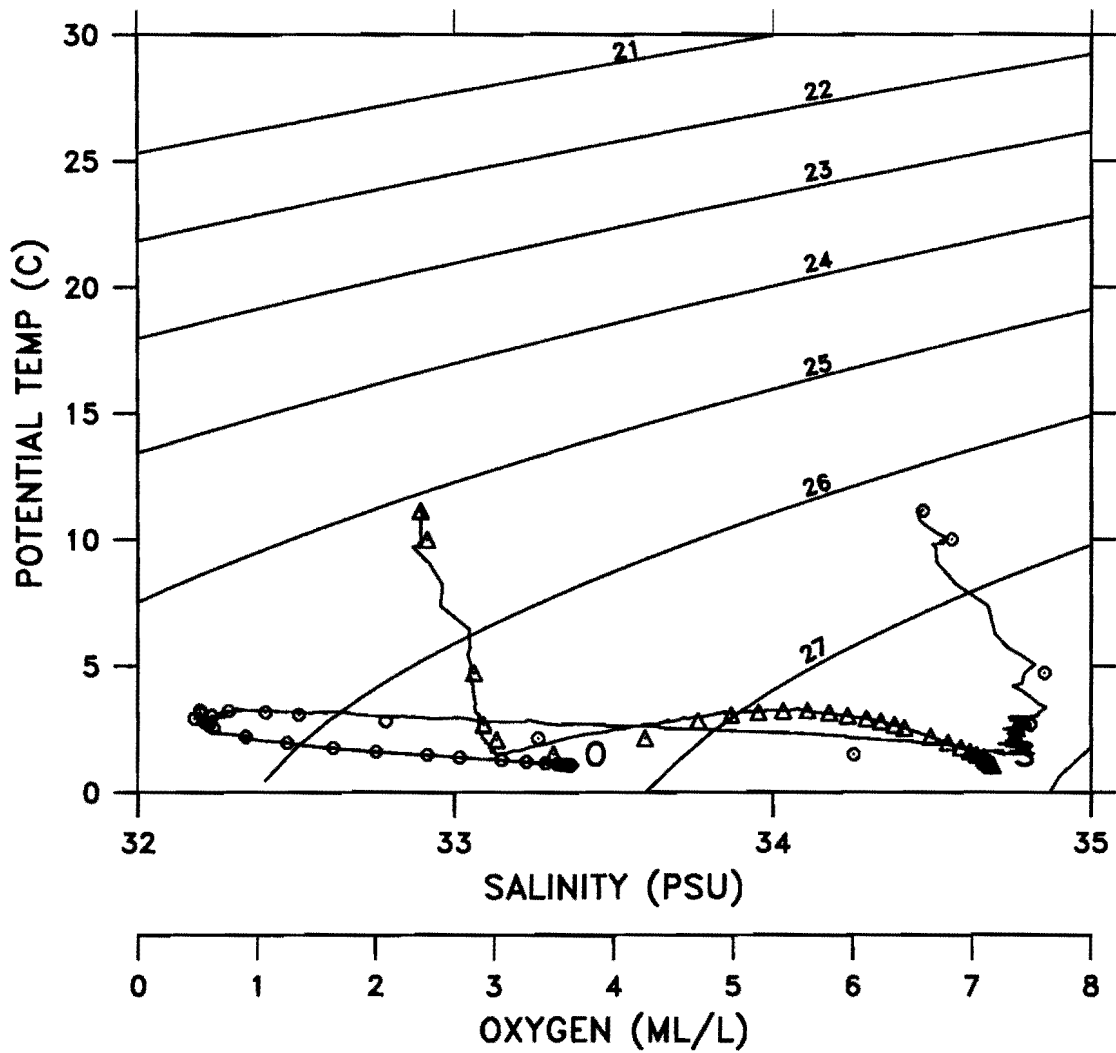


CAST CG1-92-VI -023 DATE 26 AUG 92 TIME 2356 GMT  
 LAT 47 59.4N LONG 165 00.1E WEATHER 2 SEA STATE 2  
 BAROMETER 10 WIND DIR 288 T SPD 09 KT VISIBILITY 7  
 CLOUD 6 AMOUNT 5 DRY 12.4 WET 10.5 DEPTH 5850 M

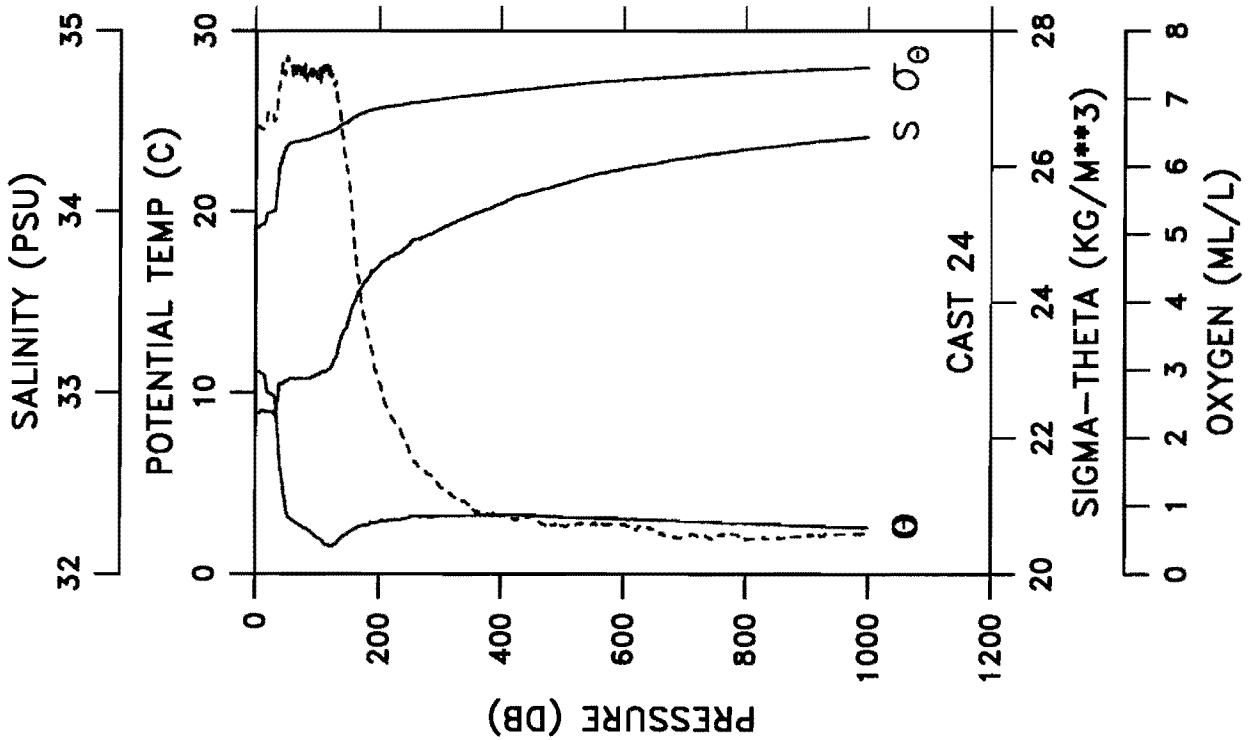


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	10.905	32.855	6.66	25.123	0.000
10	10.906	32.855	6.55	25.123	0.028
20	9.949	32.906	6.91	25.326	0.056
30	9.791	32.907	6.84	25.353	0.082
40	5.787	33.027	7.52	26.020	0.106
50	3.734	33.055	7.69	26.265	0.124
60	2.539	33.045	7.66	26.364	0.141
70	2.257	33.051	7.50	26.391	0.157
80	2.141	33.065	7.47	26.411	0.174
90	1.971	33.081	7.39	26.437	0.189
100	1.846	33.110	7.36	26.469	0.205
110	1.475	33.113	7.37	26.497	0.221
120	1.607	33.166	7.23	26.530	0.236
130	1.602	33.220	6.82	26.575	0.250
140	1.835	33.303	6.29	26.625	0.265
150	2.332	33.443	5.33	26.699	0.279
160	2.722	33.566	4.44	26.764	0.292
170	3.030	33.672	3.34	26.823	0.304
180	3.163	33.709	2.75	26.844	0.316
190	3.163	33.733	2.46	26.859	0.328
200	3.219	33.778	2.21	26.890	0.340
250	3.352	33.888	1.31	26.965	0.397
300	3.410	33.963	0.94	27.020	0.450
350	3.300	34.016	0.94	27.072	0.502
400	3.451	34.091	0.67	27.118	0.551
450	3.233	34.122	0.73	27.163	0.598
500	3.181	34.168	0.79	27.204	0.644
550	3.110	34.204	0.65	27.240	0.687
600	3.045	34.235	0.58	27.270	0.730
650	2.987	34.264	0.56	27.299	0.771
700	2.937	34.292	0.55	27.326	0.811
750	2.895	34.320	0.50	27.352	0.850
800	2.825	34.340	0.48	27.374	0.888
900	2.684	34.379	0.52	27.417	0.960
1000	2.526	34.412	0.53	27.458	1.030
1500	1.991	34.537	1.12	27.602	1.333
2000	1.677	34.603	1.77	27.678	1.593
2500	1.461	34.640	2.44	27.724	1.829
3000	1.316	34.660	2.91	27.751	2.055
3500	1.215	34.673	3.21	27.768	2.278
4000	1.148	34.680	3.41	27.779	2.501
4500	1.106	34.684	3.55	27.784	2.728
5000	1.083	34.687	3.62	27.788	2.963
5949	1.073	34.687	3.63	27.789	3.438

CAST CG1-92-VI -024 DATE 27 AUG 92 TIME 0740 GMT  
LAT 47 30.1N LONG 165 00.2E

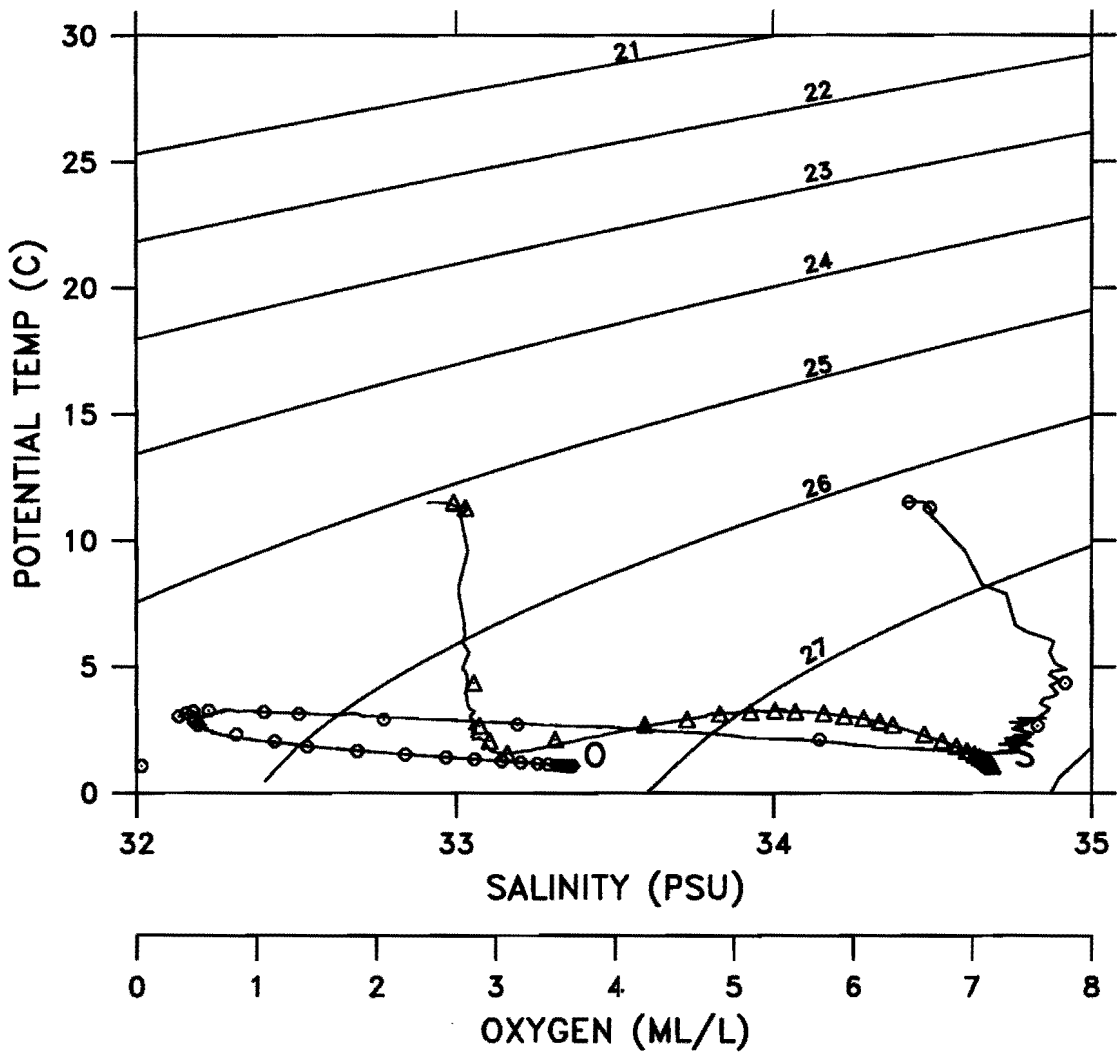


CAST CG1-92-M -024 DATE 27 AUG 92 TIME 0740 GMT  
 LAT 47 30.1N LONG 165 00.2E WEATHER 5 SEA STATE 3  
 BAROMETER 10 WIND DIR 260 T SPD 15 KT VISIBILITY 6  
 CLOUD 7 AMOUNT 8 DRY 12.6 WET 12.5 DEPTH 5905 M

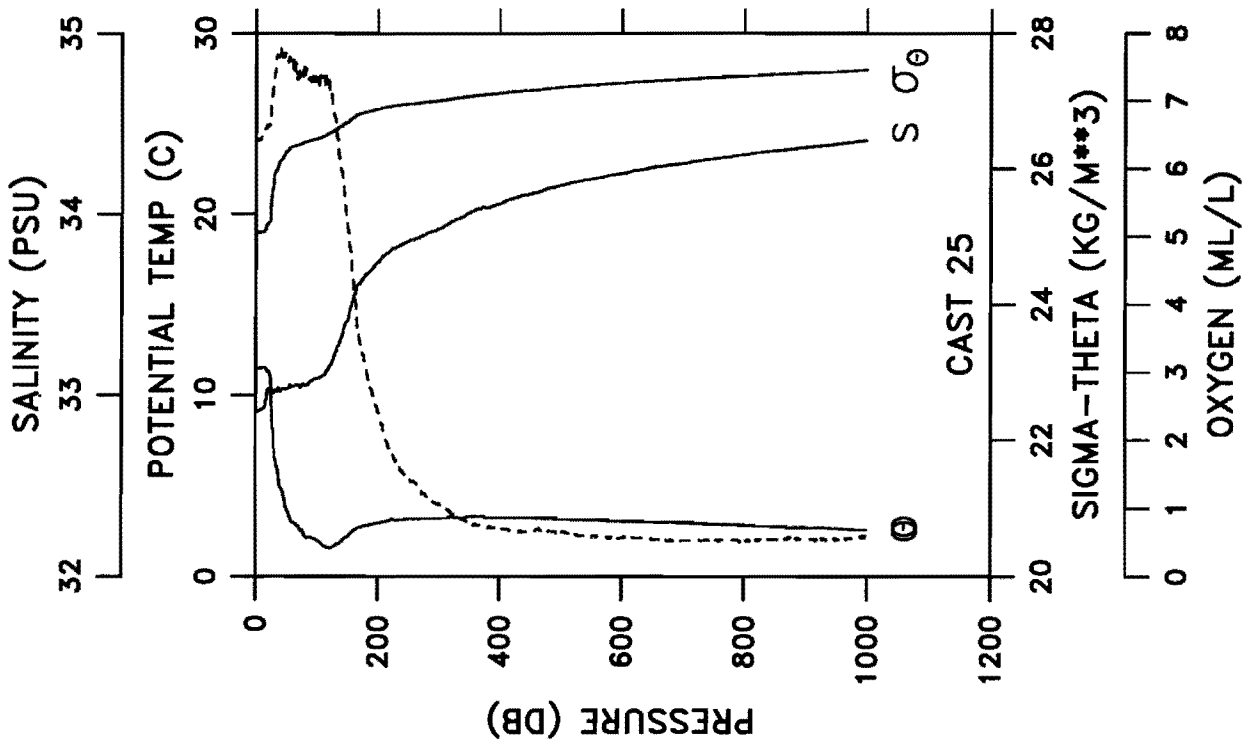


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	11.169	32.887	6.59	25.101	0.000
10	11.039	32.900	6.55	25.134	0.028
20	10.014	32.896	6.78	25.307	0.056
30	9.797	32.895	6.67	25.343	0.083
40	5.700	33.050	7.31	26.049	0.108
50	3.484	33.066	7.56	26.298	0.125
60	2.970	33.078	7.31	26.354	0.141
70	2.719	33.075	7.47	26.373	0.158
80	2.511	33.076	7.34	26.390	0.174
90	2.322	33.082	7.30	26.411	0.190
100	2.005	33.097	7.32	26.447	0.206
110	1.699	33.117	7.43	26.485	0.222
120	1.516	33.128	7.42	26.506	0.237
130	1.643	33.195	7.14	26.551	0.252
140	2.032	33.319	6.44	26.623	0.267
150	2.265	33.401	5.79	26.670	0.281
160	2.479	33.500	4.79	26.732	0.294
170	2.627	33.572	4.06	26.778	0.307
180	2.677	33.622	3.59	26.813	0.319
190	2.792	33.674	3.26	26.845	0.331
200	2.858	33.702	2.81	26.861	0.343
250	3.123	33.852	1.78	26.942	0.401
300	3.183	33.902	1.28	26.992	0.456
350	3.227	33.978	0.99	27.048	0.509
400	3.235	34.046	0.85	27.102	0.559
450	3.216	34.102	0.84	27.149	0.607
500	3.133	34.153	0.71	27.197	0.653
550	3.073	34.201	0.74	27.241	0.697
600	3.021	34.237	0.73	27.274	0.739
650	2.963	34.263	0.65	27.301	0.780
700	2.907	34.295	0.56	27.331	0.820
750	2.836	34.344	0.52	27.357	0.858
800	2.790	34.344	0.52	27.380	0.896
900	2.655	34.381	0.56	27.422	0.968
1000	2.528	34.415	0.62	27.460	1.037
1500	2.027	34.534	1.10	27.596	1.342
2000	1.709	34.600	1.74	27.674	1.604
2500	1.483	34.640	2.41	27.722	1.844
3000	1.327	34.661	2.87	27.750	2.071
3500	1.220	34.673	3.18	27.768	2.294
4000	1.152	34.680	3.40	27.778	2.517
4500	1.107	34.683	3.51	27.784	2.745
5000	1.083	34.685	3.62	27.787	2.981
5947	1.073	34.685	3.65	27.787	3.456

CAST CG1-92-VI -025 DATE 27 AUG 92 TIME 1520 GMT  
LAT 46 59.8N LONG 164 59.2E

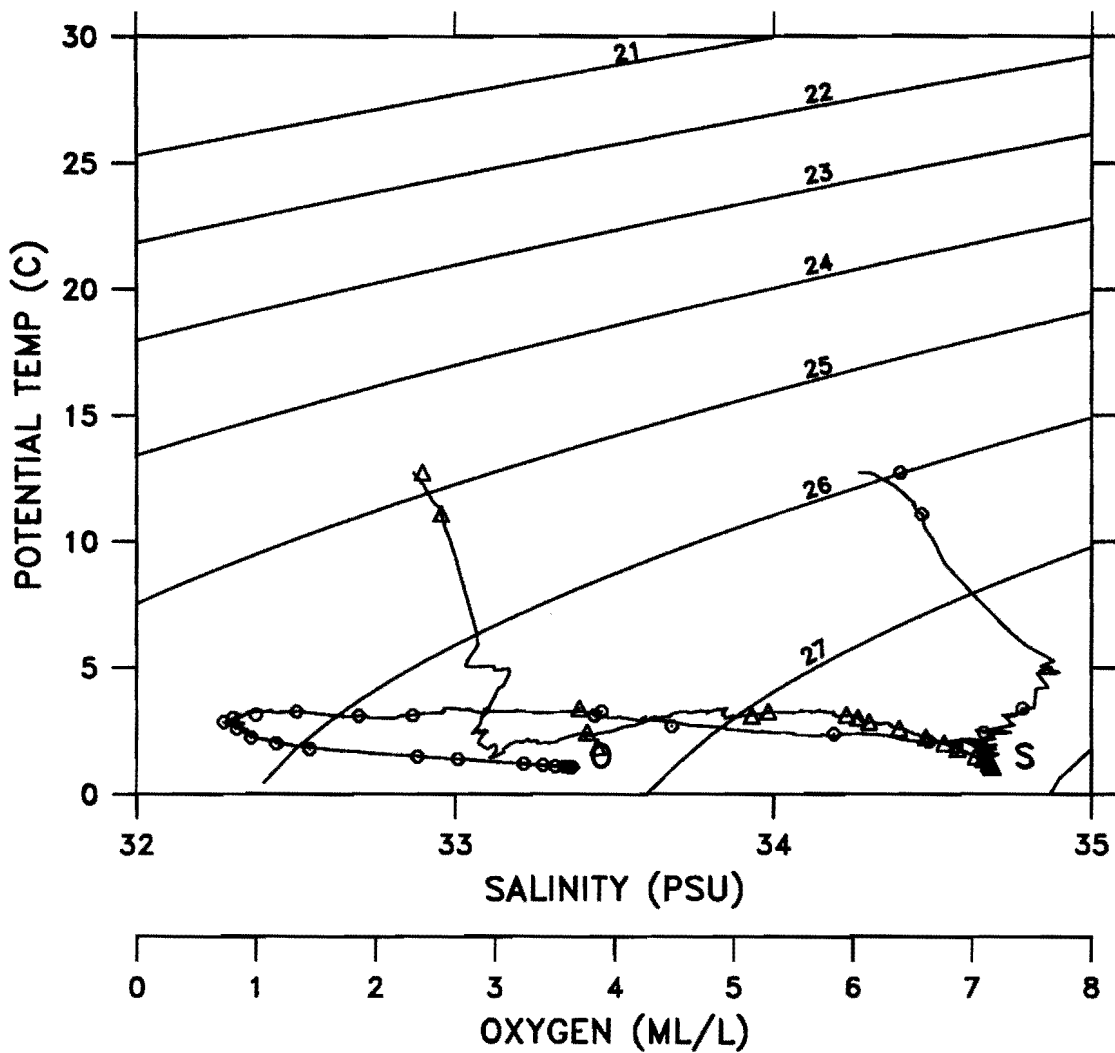


CAST CG1-92-VI -025 DATE 27 AUG 92 TIME 1520 GMT  
 LAT 46 59.8N LONG 164 59.2E WEATHER 2 SEA STATE 3  
 BAROMETER 13 WIND DIR 289 T SPD 15 KT VISIBILITY 7  
 CLOUD 7 AMOUNT 8 DRY 12.8 WET 12.5 DEPTH 5873 M



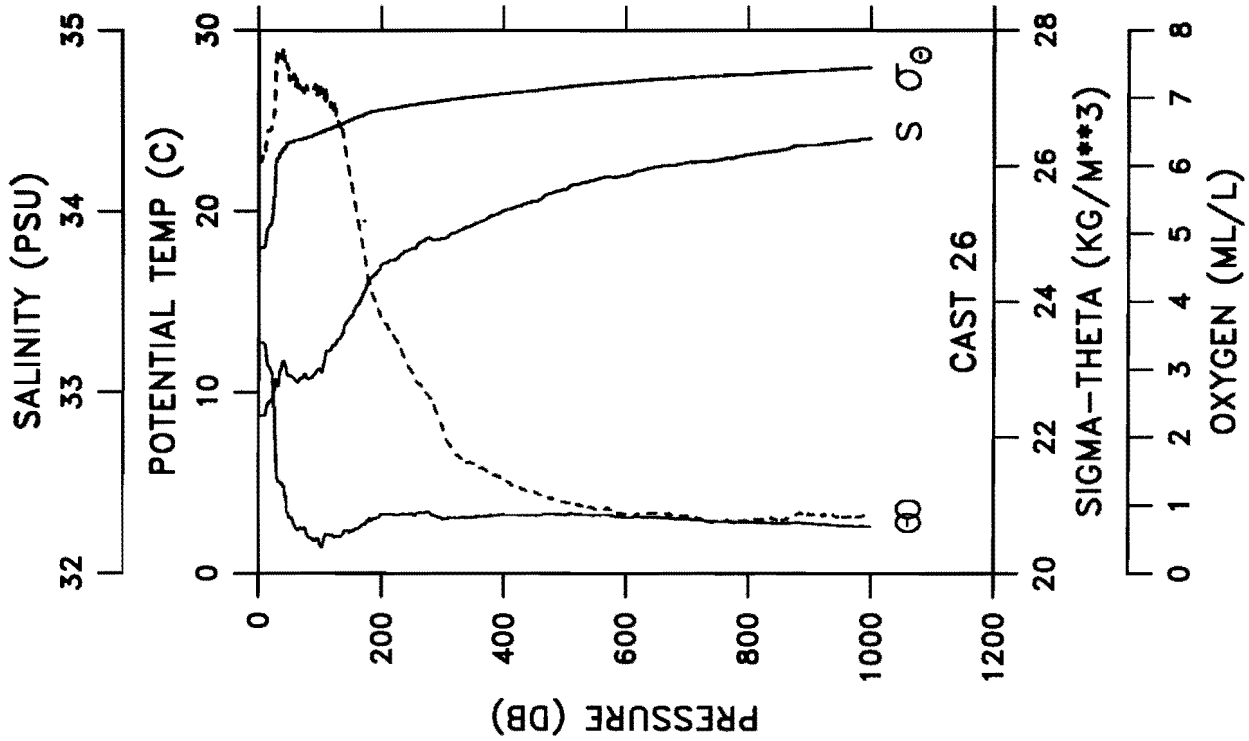
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	11.487	32.912	6.42	25.063	0.000
10	11.505	32.921	6.51	25.067	0.029
20	11.337	33.031	6.62	25.182	0.057
30	6.638	33.026	7.36	25.913	0.083
40	4.901	33.019	7.79	26.116	0.102
50	3.745	33.034	7.60	26.247	0.121
60	2.965	33.047	7.56	26.329	0.138
70	2.738	33.054	7.47	26.354	0.155
80	2.245	33.049	7.38	26.390	0.171
90	2.167	33.075	7.28	26.417	0.187
100	2.000	33.091	7.29	26.443	0.203
110	1.716	33.107	7.36	26.476	0.219
120	1.570	33.159	7.16	26.528	0.234
130	1.689	33.236	6.74	26.581	0.249
140	1.931	33.322	5.97	26.632	0.263
150	2.180	33.412	5.14	26.686	0.277
160	2.523	33.550	4.23	26.768	0.290
170	2.688	33.614	3.42	26.806	0.303
180	2.794	33.663	3.06	26.836	0.315
190	2.862	33.697	2.72	26.857	0.327
200	2.935	33.731	2.40	26.878	0.339
250	3.170	33.850	1.41	26.951	0.396
300	3.209	33.917	1.07	27.002	0.450
350	3.296	34.006	0.77	27.064	0.502
400	3.226	34.056	0.69	27.111	0.551
450	3.216	34.110	0.66	27.155	0.599
500	3.154	34.159	0.67	27.200	0.645
550	3.100	34.194	0.58	27.233	0.689
600	3.039	34.224	0.57	27.262	0.731
650	3.009	34.258	0.53	27.292	0.773
700	2.950	34.280	0.52	27.315	0.813
750	2.875	34.307	0.50	27.343	0.852
800	2.818	34.328	0.51	27.365	0.891
900	2.863	34.369	0.55	27.410	0.964
1000	2.544	34.406	0.59	27.451	1.034
1500	2.037	34.530	1.09	27.593	1.342
2000	1.719	34.599	1.77	27.672	1.607
2500	1.484	34.638	2.38	27.721	1.847
3000	1.338	34.659	2.83	27.748	2.075
3500	1.226	34.672	3.16	27.766	2.298
4000	1.156	34.680	3.36	27.778	2.523
4500	1.112	34.684	3.50	27.784	2.751
5000	1.085	34.686	3.62	27.787	2.986
5949	1.074	34.686	3.63	27.788	3.462

CAST CG1-92-VI -026 DATE 27 AUG 92 TIME 2247 GMT  
LAT 46 30.0N LONG 165 01.1E



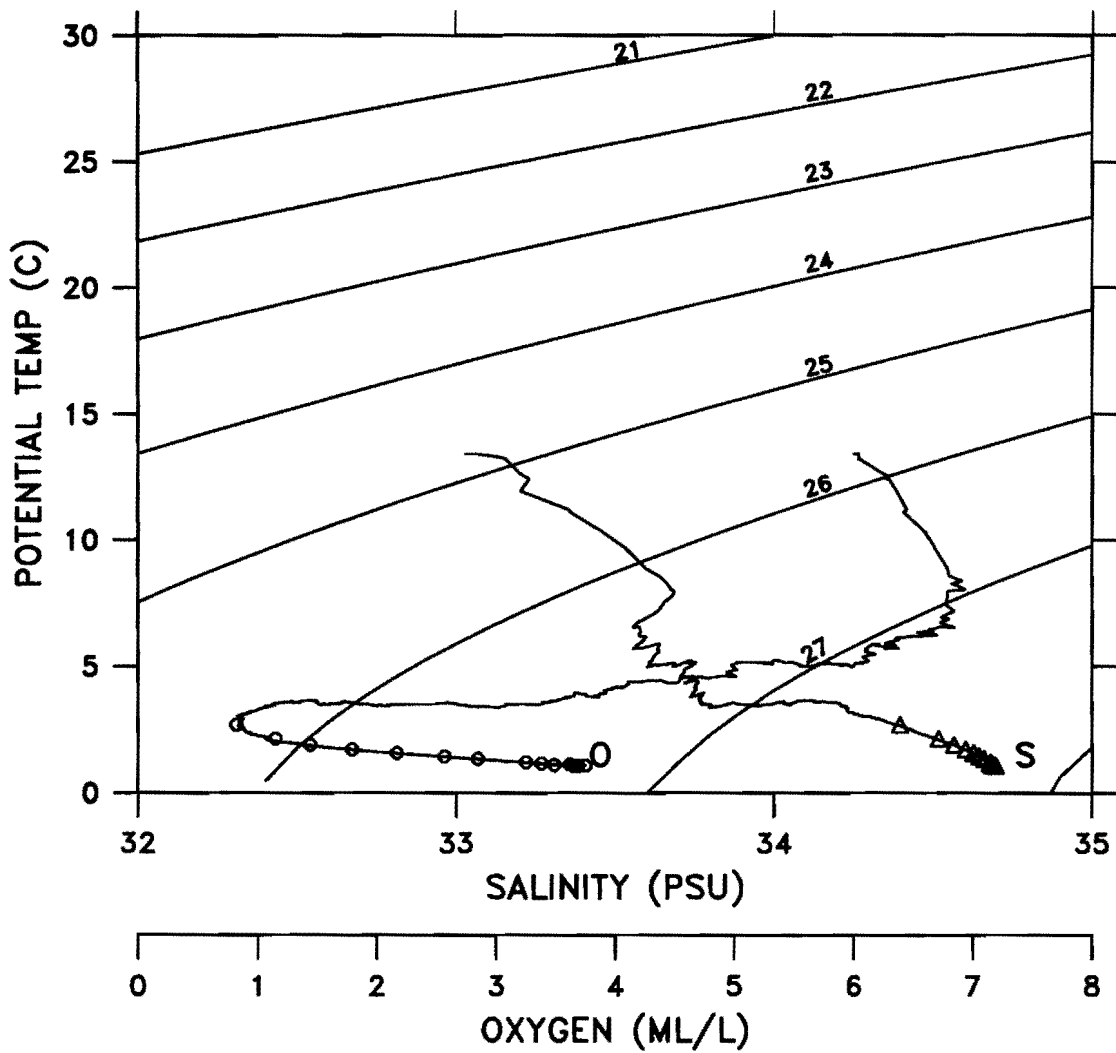


CAST 001-92-M-026 DATE 27 AUG 92 TIME 2247 GMT  
 LAT 46 30.0N LONG 165 01.1E WEATHER 1 SEA STATE 4  
 BAROMETER 15 WIND DIR 295 T SPD 17 KT VISIBILITY 7  
 CLOUD 3 AMOUNT 6 DRY 13.1 WET 11.2 DEPTH 5632 M

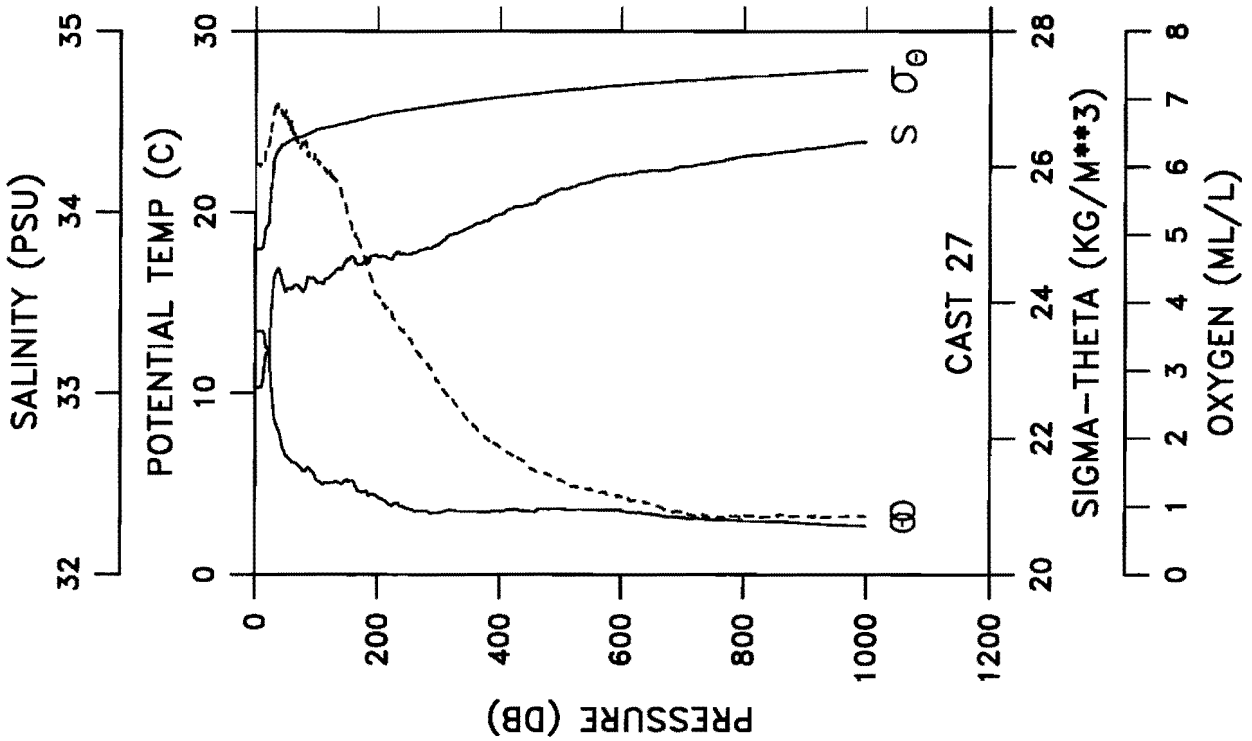


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	12.734	32.869	6.05	24.795	0.000
10	12.673	32.872	6.17	24.809	0.031
20	11.166	32.949	6.55	25.146	0.061
30	5.176	33.036	7.63	26.098	0.084
40	4.795	33.171	7.84	26.248	0.102
50	3.119	33.089	7.27	26.349	0.119
60	2.918	33.062	7.24	26.379	0.136
70	2.410	33.074	7.15	26.397	0.152
80	2.018	33.072	7.10	26.426	0.166
90	1.801	33.100	7.17	26.464	0.184
100	1.480	33.116	7.16	26.499	0.200
110	2.181	33.227	6.95	26.537	0.215
120	2.085	33.259	6.81	26.570	0.230
130	2.020	33.294	6.57	26.603	0.244
140	2.344	33.375	6.23	26.643	0.258
150	2.327	33.421	5.74	26.661	0.272
160	2.452	33.480	5.20	26.716	0.285
170	2.692	33.546	4.75	26.751	0.298
180	3.012	33.615	4.26	26.779	0.311
190	3.011	33.650	3.95	26.807	0.324
200	3.249	33.704	3.75	26.828	0.336
250	3.280	33.794	2.96	26.897	0.396
300	3.000	33.847	2.15	26.984	0.462
350	3.112	33.924	1.62	27.016	0.506
400	3.266	34.004	1.40	27.065	0.566
450	3.239	34.055	1.19	27.109	0.606
500	3.231	34.121	1.05	27.162	0.655
550	3.232	34.175	0.95	27.205	0.701
600	3.099	34.196	0.88	27.234	0.745
650	3.104	34.246	0.89	27.273	0.786
700	3.010	34.270	0.85	27.301	0.829
750	2.867	34.283	0.77	27.324	0.869
800	2.851	34.312	0.78	27.349	0.908
900	2.770	34.366	0.86	27.400	0.963
1000	2.601	34.404	0.87	27.445	1.054
1500	2.063	34.521	1.17	27.562	1.366
2000	1.727	34.595	1.70	27.666	1.634
2500	1.492	34.636	2.38	27.719	1.876
3000	1.331	34.659	2.85	27.749	2.104
3500	1.220	34.673	3.24	27.768	2.328
4000	1.153	34.680	3.41	27.776	2.551
4500	1.112	34.684	3.54	27.784	2.779
5000	1.085	34.686	3.60	27.786	3.015
5947	1.072	34.686	3.69	27.786	3.489

CAST CG1-92-VI -027 DATE 28 AUG 92 TIME 0616 GMT  
LAT 46 00.2N LONG 165 00.0E

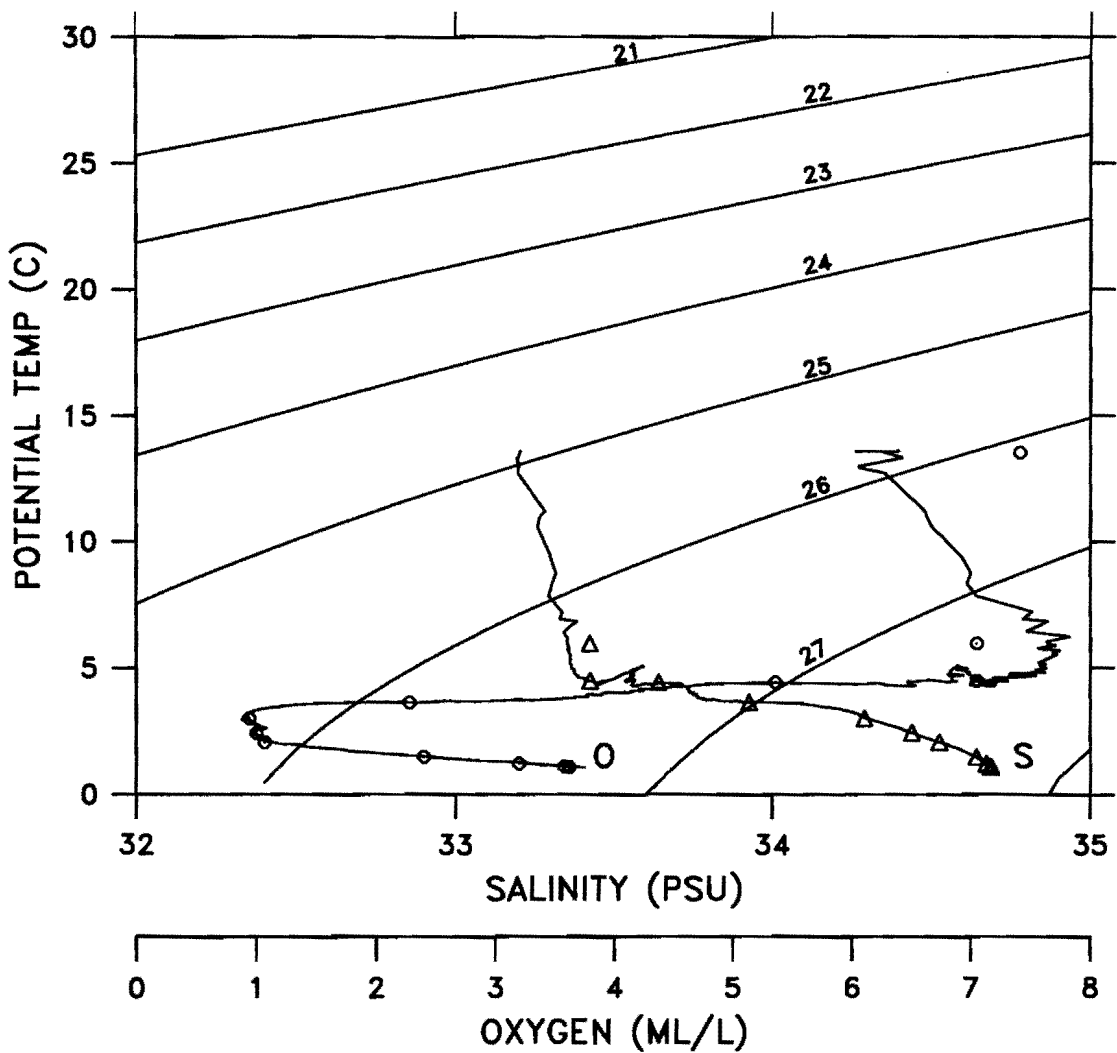


CAST CG1-92-VI -027 DATE 28 AUG 92 TIME 0616 GMT  
 LAT 46 00.2N LONG 165 00.0E WEATHER 1 SEA STATE 3  
 BAROMETER 15 WIND DIR 300 T SPD 10 KT VISIBILITY 6  
 CLOUD 6 AMOUNT 5 DRY 13.5 WET 12.0 DEPTH 5782 M

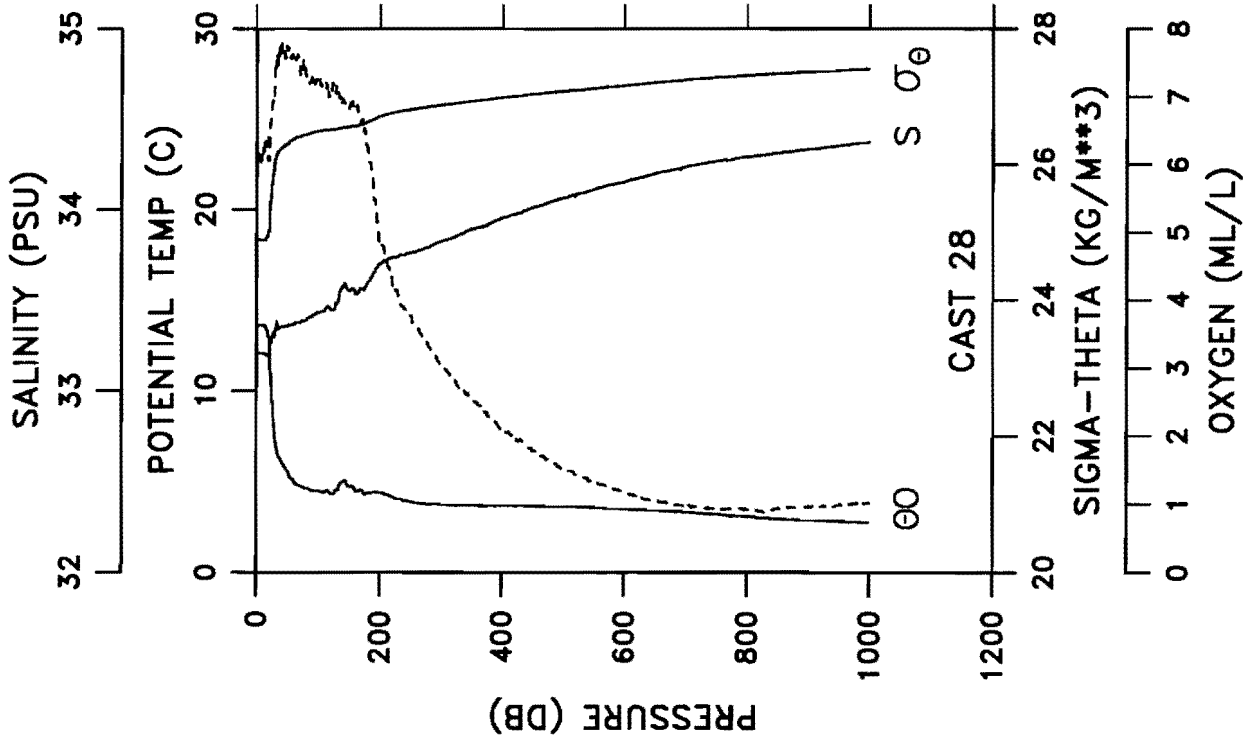


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	13.417	33.032	6.04	24.786	0.000
10	13.416	33.032	6.04	24.787	0.032
20	12.443	33.228	6.27	25.129	0.061
30	8.858	33.598	6.79	26.043	0.086
40	7.765	33.678	6.79	26.271	0.104
50	6.532	33.556	6.85	26.344	0.121
60	6.202	33.578	6.58	26.404	0.138
70	6.063	33.593	6.37	26.433	0.154
80	5.735	33.568	6.31	26.454	0.170
90	5.812	33.637	6.14	26.499	0.185
100	5.210	33.615	6.13	26.553	0.200
110	4.978	33.602	5.98	26.570	0.215
120	5.028	33.633	5.89	26.588	0.230
130	5.095	33.663	5.83	26.605	0.244
140	5.000	33.682	5.62	26.630	0.258
150	5.240	33.739	5.32	26.648	0.272
160	5.121	33.751	5.02	26.672	0.286
170	4.585	33.707	4.84	26.696	0.300
180	4.572	33.731	4.64	26.717	0.313
190	4.426	33.755	4.35	26.752	0.327
200	4.298	33.757	4.10	26.767	0.340
250	3.613	33.766	3.47	26.843	0.402
300	3.413	33.826	2.81	26.910	0.461
350	3.486	33.916	2.25	26.975	0.518
400	3.498	33.987	1.87	27.030	0.571
450	3.512	34.046	1.56	27.076	0.623
500	3.642	34.128	1.39	27.129	0.672
550	3.564	34.167	1.25	27.167	0.720
600	3.526	34.207	1.14	27.203	0.766
650	3.343	34.231	1.03	27.239	0.810
700	3.140	34.251	0.92	27.274	0.853
750	3.036	34.275	0.85	27.303	0.894
800	2.982	34.307	0.86	27.334	0.935
900	2.837	34.348	0.86	27.380	1.012
1000	2.685	34.388	0.86	27.425	1.084
1500	2.128	34.509	1.08	27.569	1.404
2000	1.764	34.592	1.64	27.663	1.676
2500	1.521	34.635	2.30	27.716	1.921
3000	1.352	34.659	2.79	27.748	2.151
3500	1.235	34.673	3.18	27.767	2.375
4000	1.157	34.682	3.39	27.780	2.599
4500	1.109	34.687	3.55	27.786	2.827
5000	1.084	34.689	3.60	27.790	3.061
5902	1.073	34.689	3.68	27.791	3.510

CAST CG1-92-VI -028 DATE 28 AUG 92 TIME 1641 GMT  
LAT 45 29.8N LONG 164 58.7E

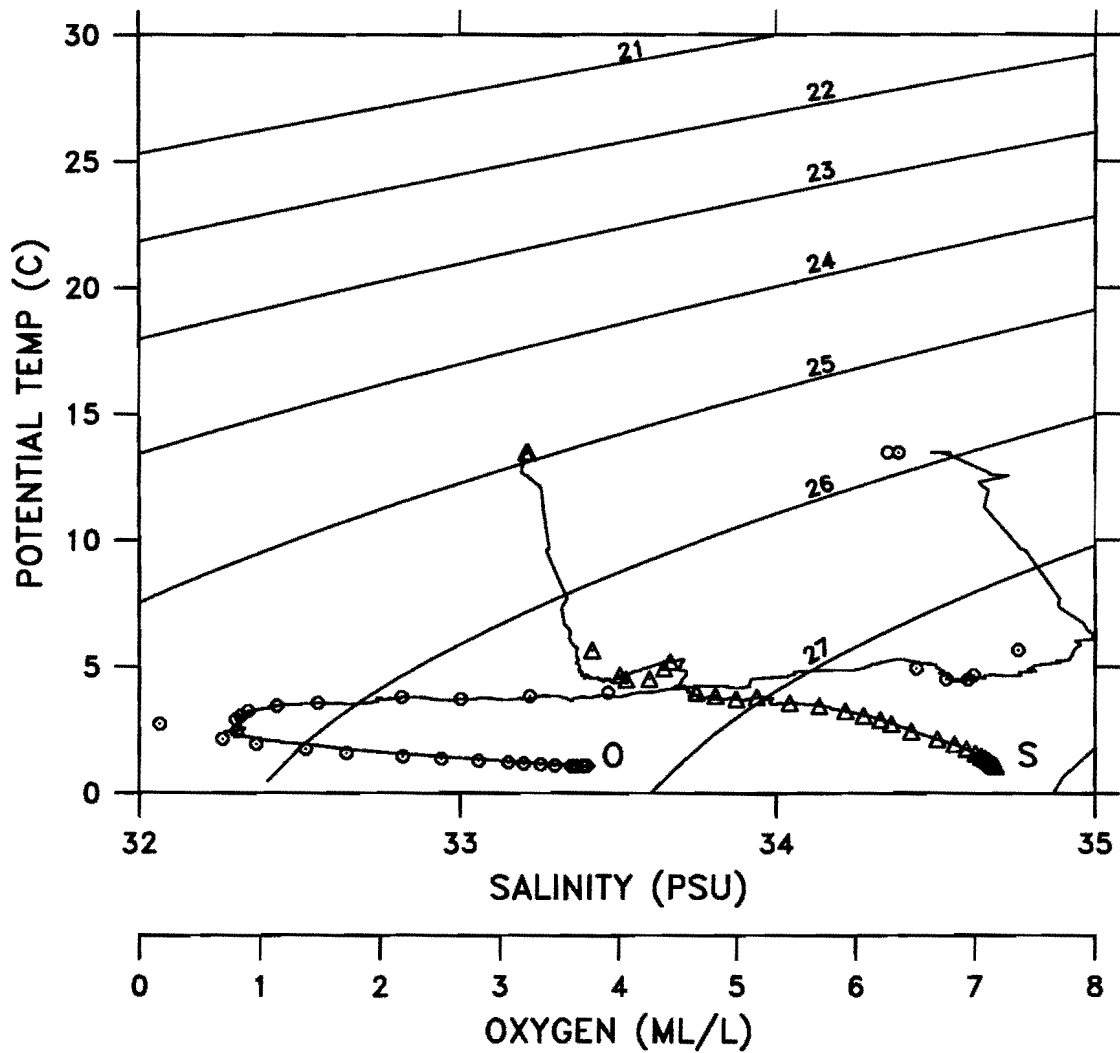


CAST CG1-92-VI-028 DATE 28 AUG 92 TIME 1641 GMT  
 LAT 45 29.8N LONG 164 58.7E WEATHER 2 SEA STATE 3  
 BAROMETER 06 WIND DIR 025 T SPD 04 KT VISIBILITY 7  
 CLOUD 6 AMOUNT 7 DRY 11.8 WET 10.1 DEPTH M

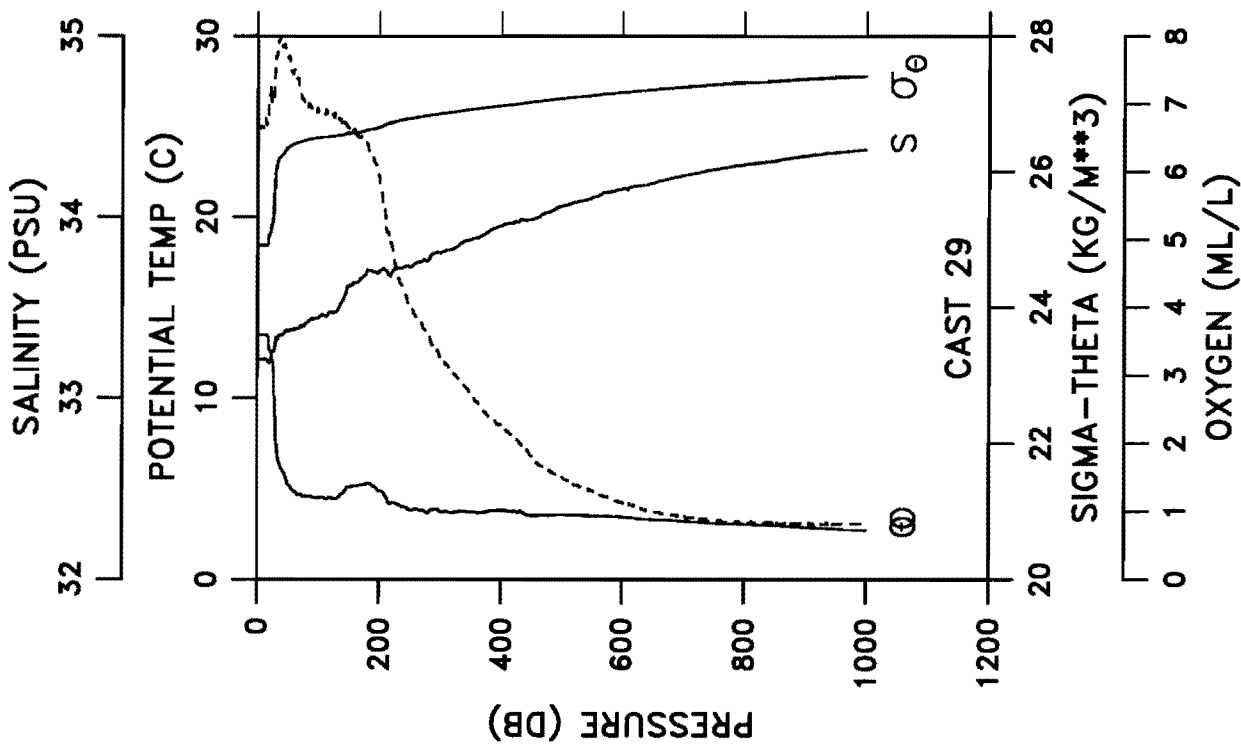


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-O
0	13.594	33.206	6.15	24.885	0.000
10	13.595	33.207	6.13	24.885	0.031
20	12.931	33.199	6.07	25.012	0.061
30	7.215	33.335	7.51	26.078	0.085
40	6.211	33.351	7.82	26.224	0.103
50	5.600	33.357	7.69	26.303	0.121
60	5.087	33.365	7.57	26.370	0.137
70	4.773	33.376	7.32	26.413	0.154
80	4.617	33.388	7.30	26.440	0.170
90	4.492	33.410	7.26	26.470	0.185
100	4.476	33.430	7.27	26.488	0.201
110	4.387	33.439	7.21	26.504	0.216
120	4.358	33.450	7.00	26.516	0.231
130	4.509	33.485	7.16	26.528	0.246
140	4.979	33.574	6.95	26.547	0.261
150	4.724	33.553	6.85	26.559	0.276
160	4.490	33.535	6.84	26.570	0.291
170	4.519	33.565	6.65	26.591	0.306
180	4.385	33.601	6.23	26.633	0.320
190	4.403	33.653	5.48	26.673	0.334
200	4.376	33.701	4.78	26.714	0.348
250	3.874	33.762	3.78	26.814	0.412
300	3.724	33.824	3.08	26.879	0.473
350	3.671	33.893	2.53	26.939	0.531
400	3.649	33.955	2.11	26.990	0.586
450	3.628	34.012	1.78	27.037	0.640
500	3.603	34.064	1.53	27.081	0.692
550	3.552	34.112	1.34	27.124	0.741
600	3.468	34.153	1.18	27.166	0.789
650	3.395	34.201	1.06	27.210	0.835
700	3.300	34.238	0.98	27.249	0.879
750	3.186	34.268	0.92	27.284	0.922
800	3.064	34.293	0.92	27.315	0.963
900	2.873	34.335	0.95	27.366	1.041
1000	2.727	34.374	1.01	27.410	1.116
1500	2.135	34.511	1.10	27.569	1.439
2000	1.796	34.590	1.68	27.659	1.714
2500	1.529	34.634	2.34	27.715	1.960
3000	1.356	34.658	2.83	27.746	2.191
3500	1.239	34.672	3.28	27.765	2.417
4000	1.167	34.679	3.44	27.777	2.642
4500	1.116	34.685	3.62	27.784	2.871
5000	1.086	34.688	3.71	27.789	3.106
5003	1.086	34.688	3.71	27.789	3.108

CAST CG1-92-VI -029 DATE 30 AUG 92 TIME 1744 GMT  
LAT 44 59.4N LONG 164 58.8E

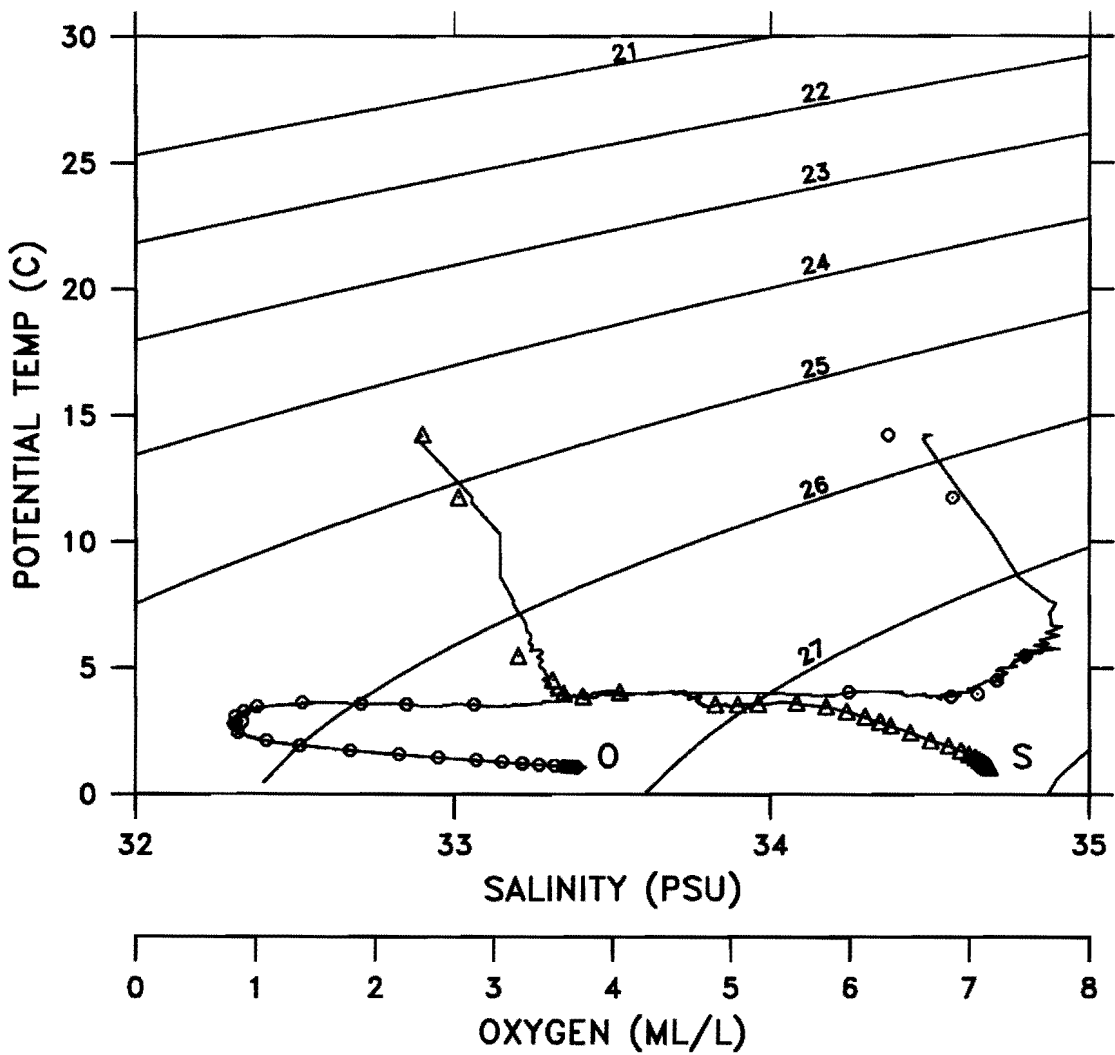


CAST CG1-92-VI -029 DATE 30 AUG 92 TIME 1744 GMT  
 LAT 44 59.4N LONG 164 58.8E WEATHER 1 SEA STATE 3  
 BAROMETER 26 WIND DIR 280 T SPD 15 KT VISIBILITY 8  
 CLOUD 8 AMOUNT 3 DRY 15.5 WET 14.2 DEPTH 5908 M



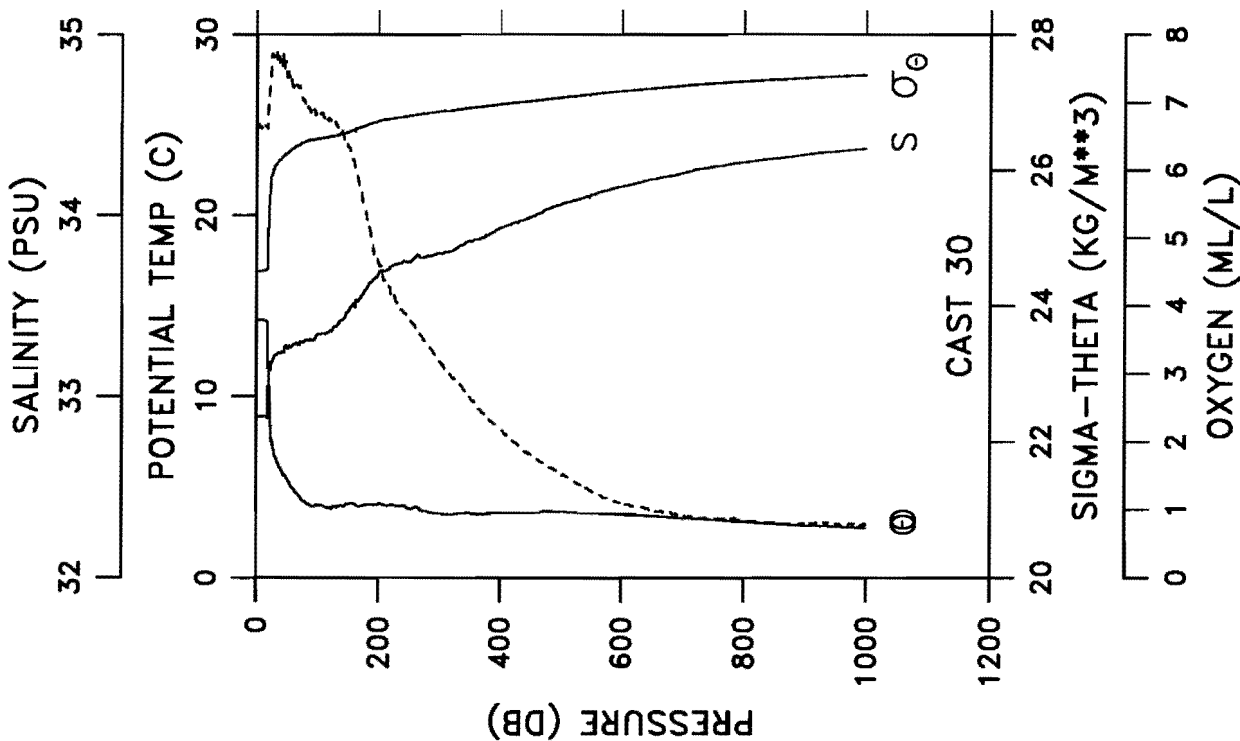
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	13.476	33.211	6.63	24.913	0.000
10	13.473	33.212	6.65	24.914	0.030
20	12.614	33.200	7.12	25.075	0.060
30	7.683	33.337	7.70	26.014	0.087
40	6.057	33.347	7.94	26.240	0.105
50	5.234	33.370	7.68	26.356	0.123
60	4.840	33.377	7.50	26.407	0.139
70	4.667	33.391	7.18	26.437	0.155
80	4.550	33.408	7.04	26.463	0.171
90	4.550	33.437	6.93	26.486	0.186
100	4.469	33.440	6.90	26.497	0.202
110	4.471	33.456	6.86	26.509	0.217
120	4.510	33.473	6.89	26.519	0.232
130	4.436	33.476	6.85	26.529	0.247
140	4.739	33.536	6.74	26.543	0.262
150	5.085	33.619	6.64	26.571	0.277
160	5.138	33.635	6.54	26.578	0.292
170	5.191	33.662	6.53	26.593	0.306
180	5.149	33.705	6.41	26.615	0.321
190	4.858	33.699	6.21	26.627	0.335
200	3.847	33.686	5.94	26.657	0.349
250	3.724	33.725	4.04	26.788	0.415
300	3.717	33.876	3.25	26.858	0.477
350	3.795	33.952	2.71	26.920	0.536
400	3.521	33.985	2.25	26.973	0.593
450	3.571	34.059	1.81	27.027	0.647
500	3.496	34.102	1.51	27.081	0.699
550	3.439	34.154	1.30	27.122	0.748
600	3.310	34.187	1.13	27.169	0.796
650	3.228	34.228	0.93	27.207	0.842
700	3.115	34.261	0.87	27.248	0.886
750	2.885	34.289	0.83	27.285	0.929
800	2.719	34.336	0.83	27.313	0.970
850	2.719	34.373	0.83	27.366	1.048
900	2.140	34.507	0.83	27.410	1.123
1000	1.805	34.586	1.59	27.566	1.448
2000	1.527	34.633	2.30	27.655	1.725
2500	1.355	34.658	2.80	27.714	1.972
3000	1.237	34.674	3.16	27.746	2.203
3500	1.163	34.680	3.38	27.767	2.427
4000	1.113	34.686	3.57	27.778	2.652
4500	1.085	34.689	3.68	27.785	2.880
5000	1.071	34.689	3.75	27.789	3.115
5950				27.791	3.589

CAST CG1-92-VI -030 DATE 31 AUG 92 TIME 0124 GMT  
LAT 44 29.7N LONG 165 00.6E



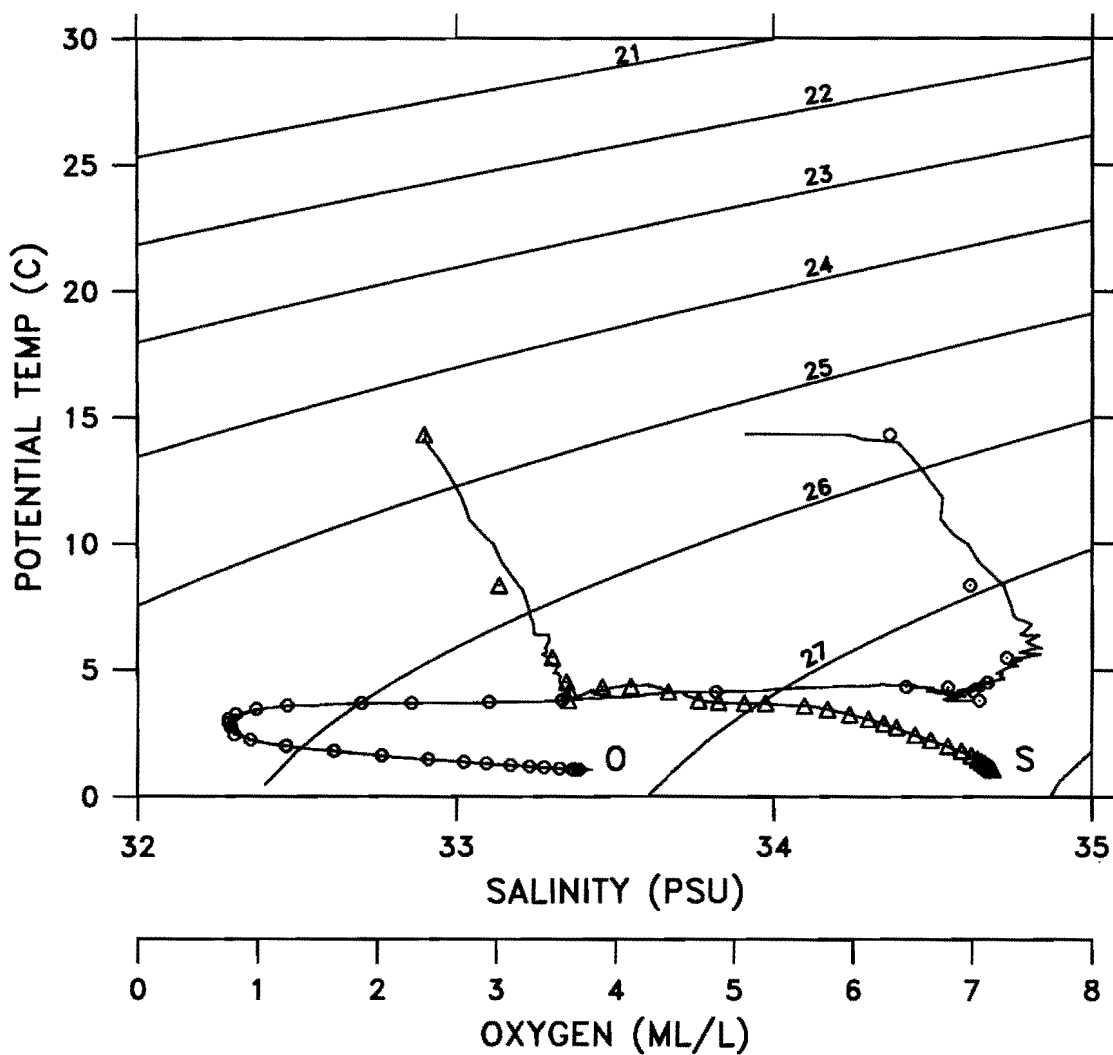


CAST CG1-92-VI -030 DATE 31 AUG 92 TIME 0124 GMT  
 LAT 44 29.7N LONG 165 00.6E WEATHER 1 SEA STATE 4  
 BAROMETER 28 WIND DIR 250 T SPD 14 KT VISIBILITY 5  
 CLOUD 8 AMOUNT 2 DRY 14.8 WET 13.5 DEPTH 5919 M

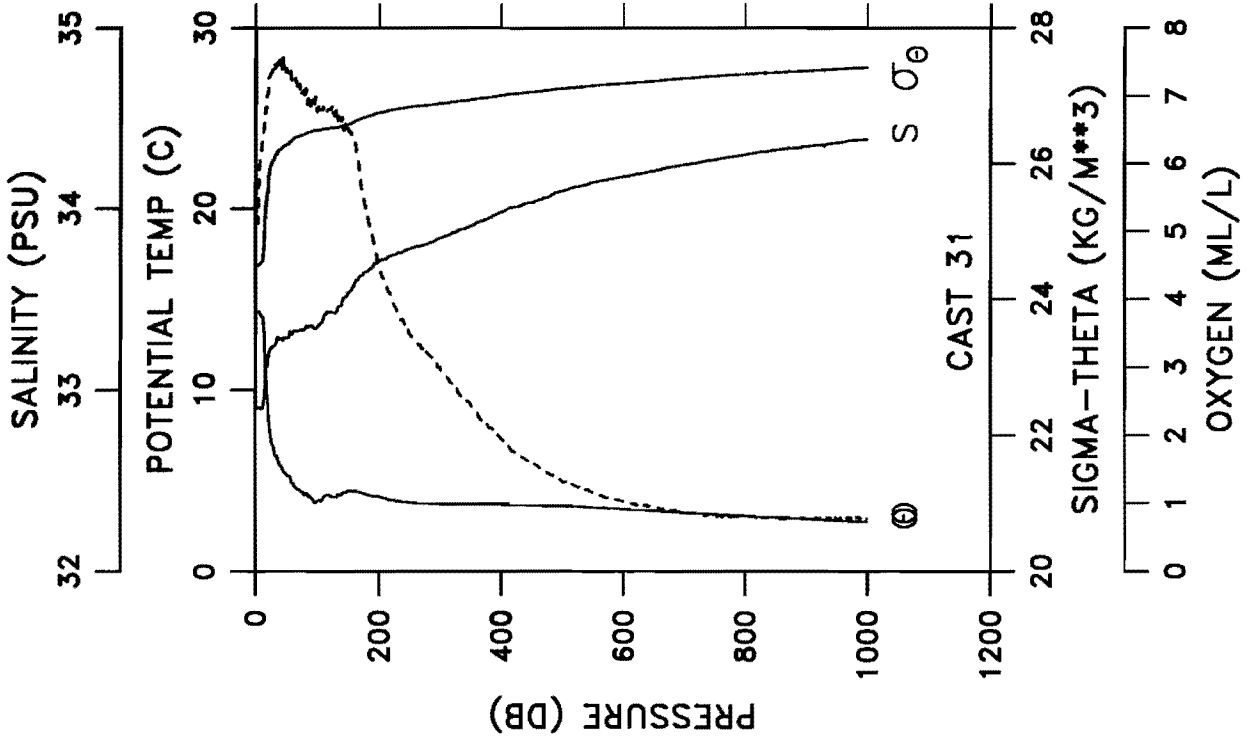


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	14.220	32.889	6.68	24.511	0.000
10	14.225	32.892	6.67	24.512	0.034
20	11.531	33.054	6.99	25.165	0.067
30	6.890	33.226	7.88	26.063	0.089
40	5.964	33.235	7.65	26.163	0.108
50	5.473	33.266	7.45	26.247	0.126
60	4.907	33.286	7.22	26.327	0.143
70	4.501	33.285	7.25	26.371	0.160
80	4.176	33.309	6.99	26.424	0.176
90	3.936	33.310	6.87	26.448	0.192
100	4.008	33.341	6.81	26.466	0.208
110	3.945	33.346	6.77	26.476	0.223
120	3.880	33.361	6.76	26.494	0.239
130	3.906	33.386	6.67	26.512	0.254
140	3.952	33.419	6.56	26.533	0.269
150	4.048	33.467	6.34	26.562	0.284
160	4.067	33.503	6.09	26.589	0.299
170	3.918	33.541	5.88	26.634	0.313
180	3.998	33.592	5.28	26.667	0.327
190	4.035	33.641	4.92	26.702	0.340
200	4.064	33.679	4.61	26.729	0.354
250	3.819	33.745	3.79	26.806	0.418
300	3.546	33.790	3.16	26.868	0.479
350	3.583	33.860	2.66	26.921	0.538
400	3.585	33.930	2.19	26.977	0.594
450	3.578	33.990	1.82	27.025	0.648
500	3.639	34.060	1.56	27.075	0.700
550	3.545	34.114	1.27	27.127	0.750
600	3.476	34.158	1.09	27.169	0.798
650	3.406	34.200	0.99	27.208	0.844
700	3.276	34.234	0.92	27.248	0.888
750	3.182	34.269	0.86	27.285	0.930
800	3.083	34.295	0.85	27.315	0.971
900	2.886	34.338	0.78	27.367	1.050
1000	2.724	34.371	0.78	27.408	1.124
1500	2.144	34.506	1.07	27.564	1.451
2000	1.799	34.586	1.65	27.656	1.727
2500	1.533	34.632	2.29	27.712	1.974
3000	1.365	34.656	2.77	27.743	2.207
3500	1.242	34.670	3.12	27.764	2.433
4000	1.162	34.680	3.38	27.777	2.659
4500	1.112	34.685	3.55	27.784	2.887
5000	1.084	34.687	3.68	27.788	3.122
5948	1.073	34.687	3.76	27.789	3.597

CAST CG1-92-VI -031 DATE 31 AYG 92 TIME 0847 GMT  
LAT 44 00.2N LONG 164 57.8E

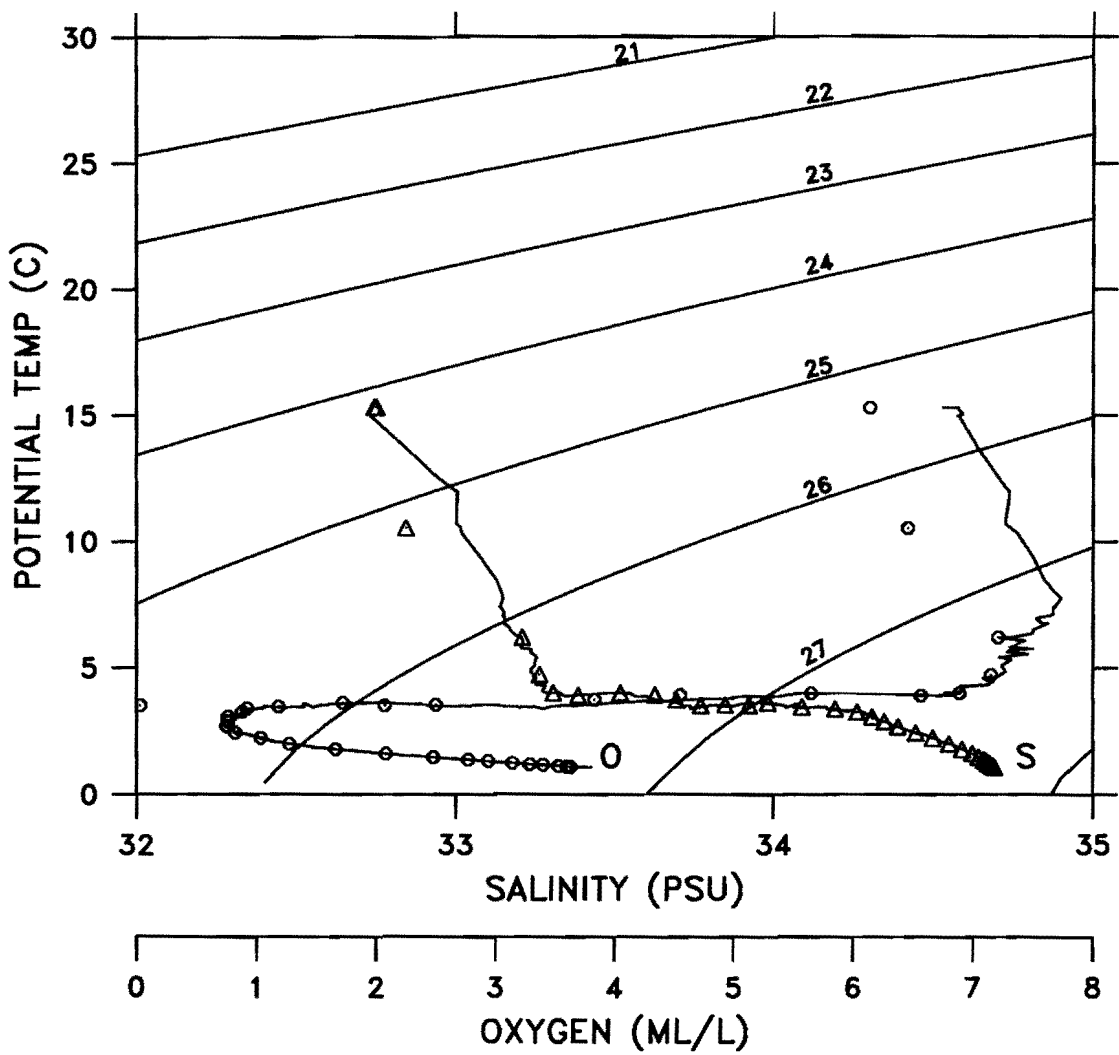


CAST 01-92-V-031 DATE 31 AVG 92 TIME 0847 GMT  
 LAT 44 00.2N LONG 164 57.8E WEATHER 1 SEA STATE 2  
 BAROMETER 29 WIND DIR 251 T SPD 04 KT VISIBILITY  
 CLOUD X AMOUNT 9 DRY 13.8 WET 13.2 DEPTH 5689 M

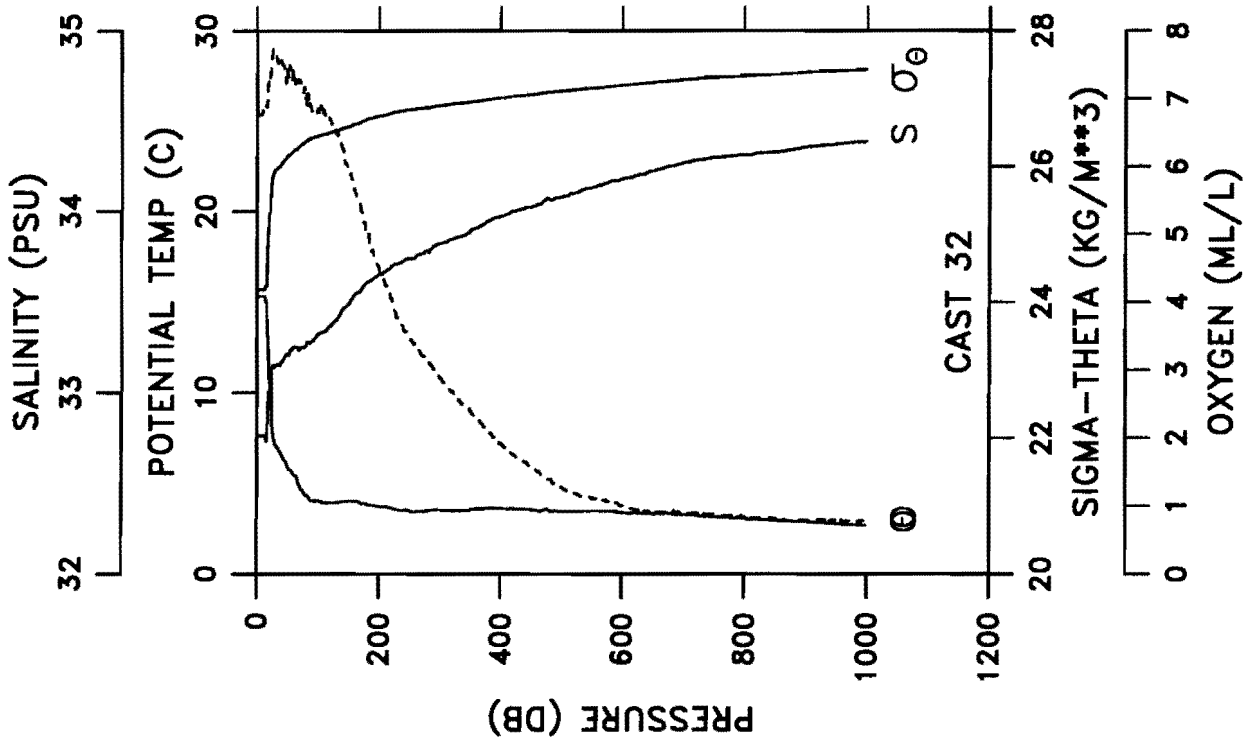


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	14.335	32.902	5.10	24.497	0.000
10	14.055	32.900	6.27	24.554	0.034
20	9.262	33.142	7.06	25.622	0.063
30	6.814	33.242	7.49	26.059	0.084
40	5.858	33.283	7.53	26.213	0.102
50	5.350	33.286	7.37	26.277	0.120
60	4.873	33.317	7.25	26.355	0.137
70	4.508	33.326	7.07	26.402	0.153
80	4.230	33.336	6.95	26.439	0.169
90	4.063	33.355	6.88	26.472	0.185
100	3.839	33.345	6.76	26.486	0.201
110	4.034	33.398	6.79	26.509	0.216
120	4.167	33.431	6.81	26.521	0.231
130	4.090	33.426	6.81	26.525	0.246
140	4.300	33.488	6.68	26.552	0.261
150	4.418	33.536	6.50	26.578	0.276
160	4.386	33.583	6.33	26.619	0.290
170	4.327	33.625	5.74	26.659	0.304
180	4.197	33.653	5.27	26.695	0.318
190	4.121	33.685	4.88	26.727	0.331
200	4.107	33.713	4.47	26.752	0.345
250	3.777	33.778	3.49	26.836	0.408
300	3.719	33.839	2.97	26.891	0.468
350	3.683	33.906	2.45	26.947	0.525
400	3.674	33.981	1.94	27.008	0.580
450	3.630	34.034	1.59	27.055	0.633
500	3.588	34.098	1.31	27.110	0.683
550	3.515	34.145	1.15	27.154	0.732
600	3.428	34.177	1.01	27.189	0.778
650	3.339	34.208	0.93	27.222	0.823
700	3.229	34.243	0.86	27.260	0.867
750	3.139	34.271	0.82	27.291	0.909
800	3.055	34.299	0.81	27.321	0.950
900	2.881	34.346	0.78	27.374	1.027
1000	2.724	34.384	0.80	27.418	1.101
1500	2.148	34.512	1.04	27.569	1.423
2000	1.797	34.589	1.62	27.658	1.897
2500	1.524	34.633	2.26	27.714	1.944
3000	1.342	34.659	2.81	27.748	2.174
3500	1.229	34.672	3.17	27.766	2.398
4000	1.155	34.681	3.58	27.778	2.622
4500	1.106	34.685	3.56	27.785	2.850
5000	1.081	34.687	3.62	27.789	3.084
5803	1.063	34.689	3.80	27.791	3.482

CAST CG1-92-VI -032 DATE 31 AUG 92 TIME 1612 GMT  
LAT 43 30.2N LONG 165 01.1E

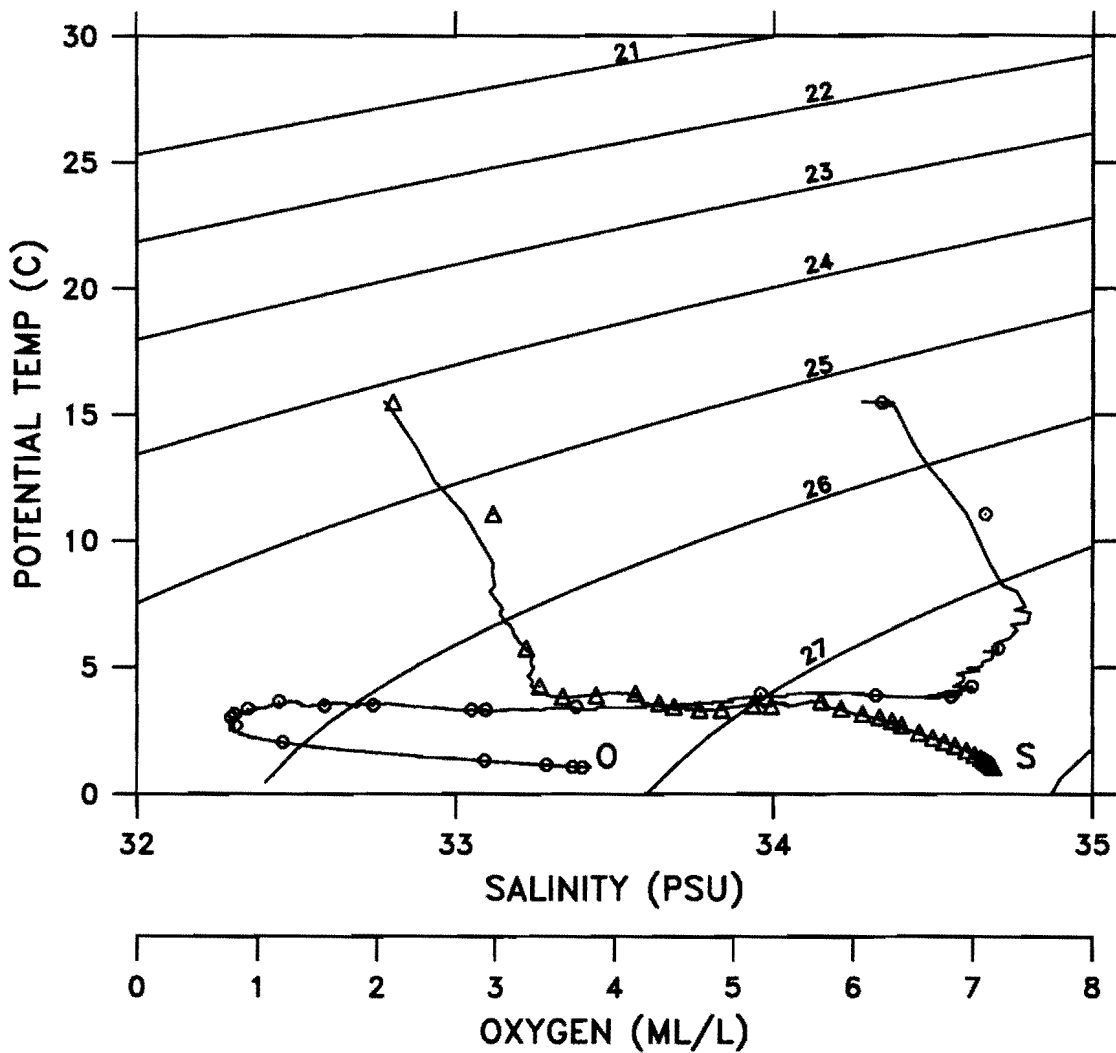


CAST CG1-92-VI -032 DATE 31 AUG 92 TIME 1612 GMT  
 LAT 43 30.2N LONG 165 01.1E WEATHER 2 SEA STATE 3  
 BAROMETER 28 WIND DIR 200 T SPD 08 KT VISIBILITY 7  
 CLOUD 6 AMOUNT 7 DRY 14.0 WET 13.1 DEPTH 5564 M

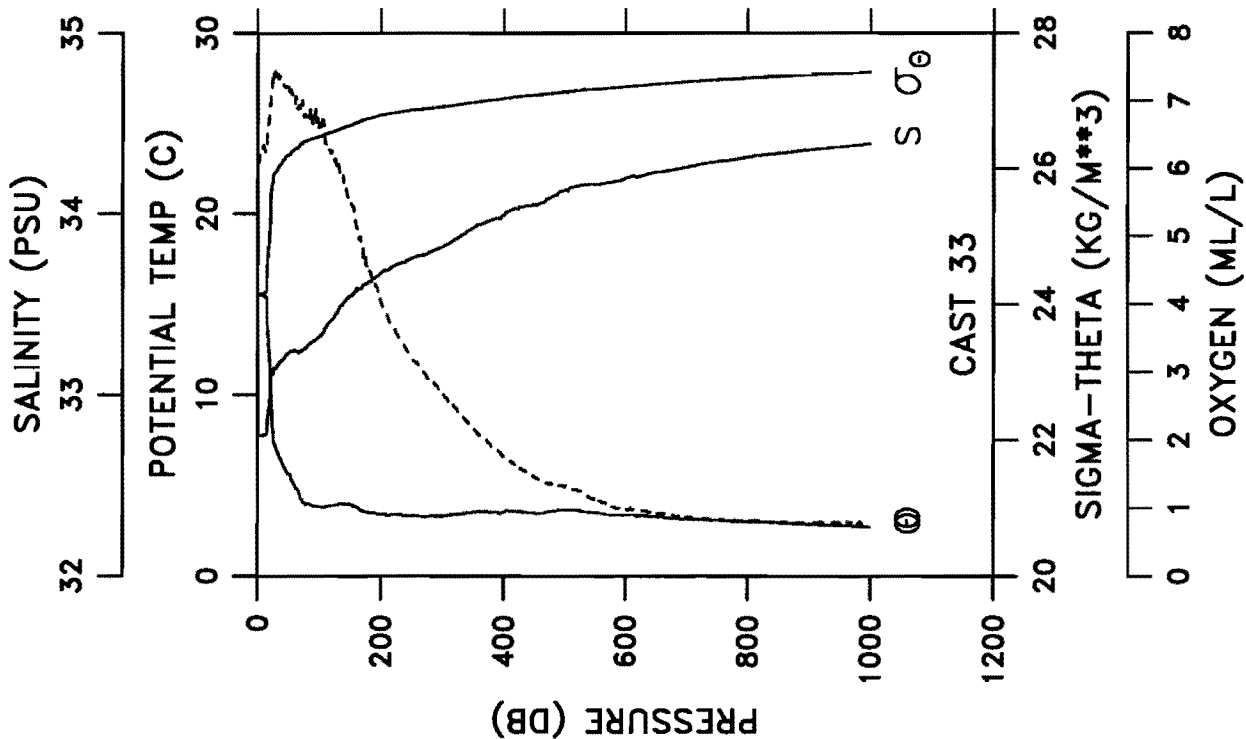


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	15.312	32.763	6.75	24.181	0.000
10	15.311	32.763	6.88	24.181	0.037
20	10.720	33.002	7.27	25.270	0.072
30	7.128	33.151	7.67	25.945	0.095
40	6.569	33.169	7.53	26.034	0.115
50	5.857	33.209	7.34	26.155	0.134
60	5.470	33.251	7.29	26.235	0.153
70	4.800	33.240	7.25	26.302	0.170
80	4.311	33.258	6.93	26.369	0.187
90	4.029	33.283	6.81	26.418	0.203
100	4.047	33.323	6.86	26.447	0.219
110	3.911	33.336	6.83	26.472	0.235
120	3.913	33.369	6.68	26.497	0.250
130	3.929	33.401	6.48	26.521	0.266
140	3.983	33.456	6.27	26.560	0.280
150	4.010	33.487	5.95	26.582	0.295
160	4.000	33.539	5.67	26.624	0.310
170	3.902	33.559	5.40	26.650	0.324
180	3.818	33.608	4.97	26.697	0.337
190	3.780	33.624	4.77	26.714	0.351
200	3.715	33.650	4.50	26.741	0.364
250	3.481	33.738	3.47	26.834	0.427
300	3.528	33.823	2.88	26.897	0.487
350	3.552	33.890	2.39	26.948	0.544
400	3.603	33.972	1.92	27.008	0.599
450	3.523	34.024	1.60	27.057	0.652
500	3.435	34.079	1.27	27.109	0.702
550	3.457	34.131	1.10	27.149	0.750
600	3.375	34.182	1.01	27.197	0.797
650	3.318	34.225	0.92	27.237	0.841
700	3.256	34.268	0.88	27.277	0.884
750	3.156	34.299	0.87	27.311	0.925
800	3.044	34.313	0.84	27.333	0.965
850	2.861	34.358	0.78	27.385	1.042
900	2.873	34.390	0.75	27.427	1.115
1000	2.121	34.519	1.11	27.577	1.433
1500	1.764	34.596	1.66	27.666	1.704
2000	1.505	34.639	2.34	27.720	1.947
2500	1.340	34.661	2.85	27.750	2.175
3000	1.228	34.674	3.17	27.768	2.398
3500	1.153	34.682	3.42	27.779	2.622
4000	1.104	34.686	3.55	27.786	2.849
4500	1.078	34.689	3.68	27.790	3.083
5000	1.063	34.689	3.77	27.792	3.406
5658					

CAST CG1-92-VI -033 DATE 31 AUG 92 TIME 2322 GMT  
LAT 43 00.5N LONG 165 00.0E

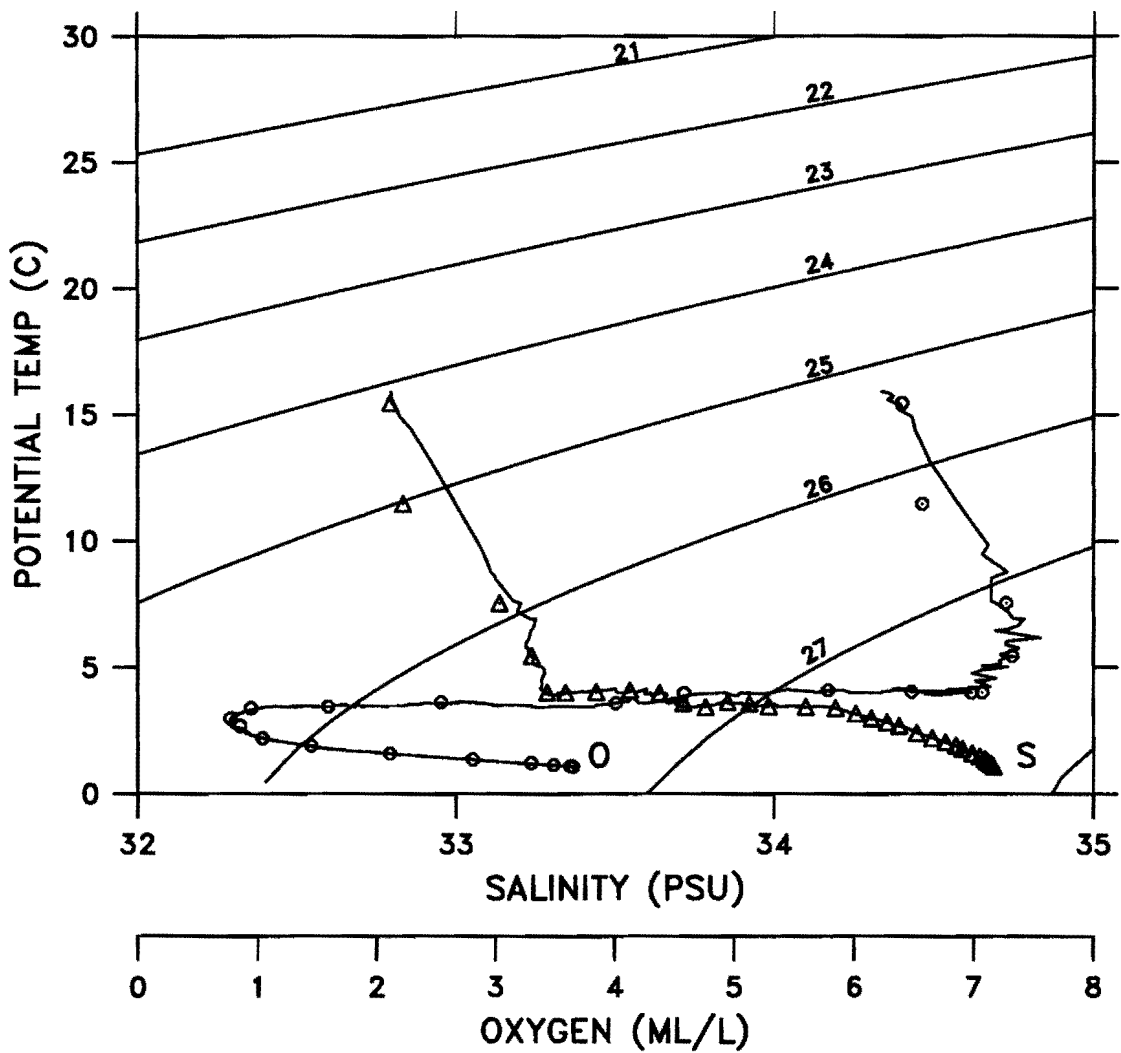


CAST CG1-92-VI -033 DATE 31 AUG 92 TIME 2322 GMT  
 LAT 43 00.5N LONG 165 00.0E WEATHER 1 SEA STATE 3  
 BAROMETER 28 WIND DIR 171 T SPD 12 KT VISIBILITY 7  
 CLOUD 3 AMOUNT 5 DRY 17.9 WET 15.9 DEPTH 5409 M



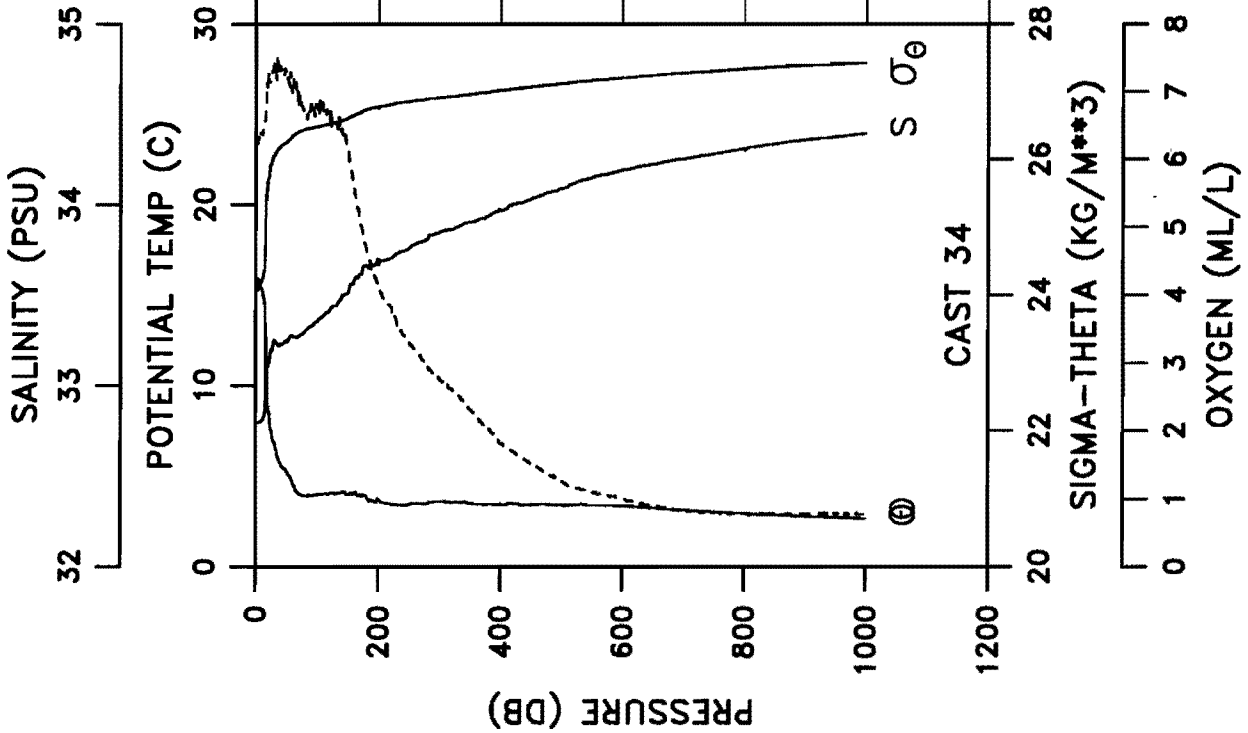
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	15.504	32.773	6.08	24.146	0.000
10	15.467	32.777	6.34	24.158	0.038
20	11.728	32.979	6.84	25.071	0.072
30	7.056	33.145	7.47	25.950	0.095
40	6.253	33.186	7.32	26.088	0.115
50	5.631	33.228	7.21	26.197	0.133
60	4.991	33.247	7.04	26.287	0.151
70	4.228	33.238	6.84	26.362	0.168
80	3.952	33.258	6.76	26.406	0.184
90	3.870	33.296	6.63	26.444	0.200
100	3.828	33.319	6.60	26.466	0.216
110	3.828	33.370	6.37	26.506	0.232
120	3.876	33.409	6.24	26.533	0.247
130	3.934	33.455	6.01	26.564	0.262
140	3.974	33.510	5.79	26.604	0.276
150	3.957	33.543	5.53	26.631	0.290
160	3.820	33.579	5.15	26.674	0.304
170	3.571	33.594	4.82	26.710	0.318
180	3.521	33.623	4.53	26.738	0.331
190	3.491	33.643	4.28	26.757	0.344
200	3.404	33.672	4.03	26.788	0.357
250	3.341	33.754	3.18	26.859	0.418
300	3.312	33.816	2.68	26.912	0.477
350	3.528	33.920	2.17	26.974	0.533
400	3.515	33.989	1.75	27.030	0.587
450	3.477	34.049	1.45	27.082	0.639
500	3.641	34.131	1.31	27.131	0.688
550	3.498	34.162	1.12	27.169	0.735
600	3.368	34.197	0.97	27.208	0.781
650	3.280	34.230	0.92	27.245	0.825
700	3.147	34.257	0.86	27.279	0.868
750	3.081	34.289	0.83	27.310	0.909
800	3.010	34.312	0.81	27.335	0.949
900	2.858	34.353	0.78	27.381	1.025
1000	2.695	34.387	0.78	27.423	1.098
1500	2.122	34.519	1.10	27.577	1.417
2000	1.757	34.594	1.69	27.665	1.688
2500	1.494	34.638	2.33	27.720	1.930
3000	1.330	34.662	2.84	27.751	2.158
3500	1.220	34.674	3.21	27.769	2.380
4000	1.146	34.682	3.42	27.780	2.602
4500	1.101	34.687	3.62	27.787	2.829
5000	1.076	34.688	3.68	27.790	3.063
5517	1.061	34.690	3.73	27.792	3.314

CAST CG1-92-VI -034 DATE 01 SEP 92 TIME 0611 GMT  
LAT 42 29.9N LONG 164 59.4E



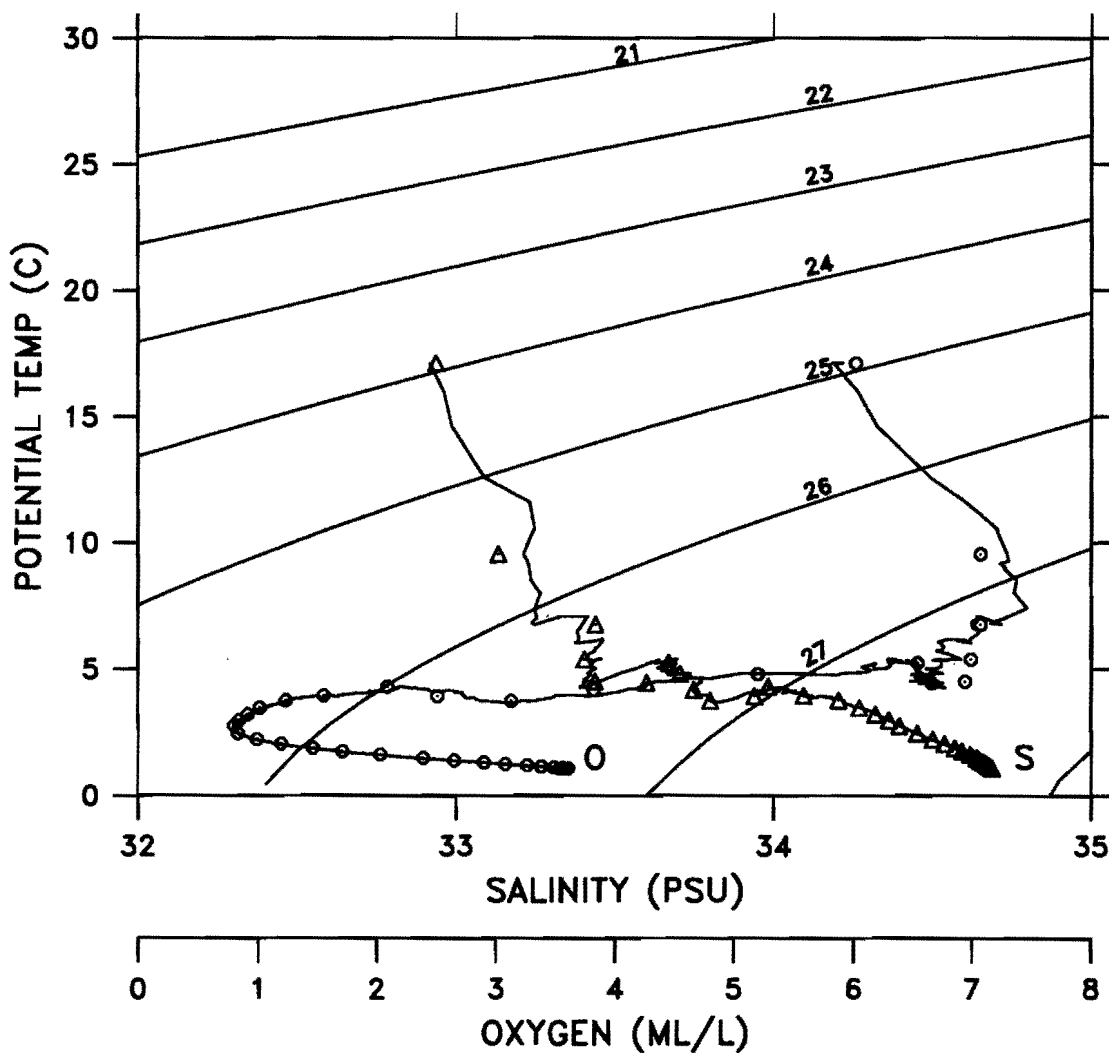


CAST 031-92-V-034 DATE 01 SEP 92 TIME 0611 GMT  
 LAT 42 29.9N LONG 164 59.4E WEATHER 1 SEA STATE 2  
 BAROMETER 24 WIND DIR 159 T SPD 13 KT VISIBILITY 7  
 CLOUD 3 AMOUNT 5 DRY 18.0 WET 16.0 DEPTH 5008 M

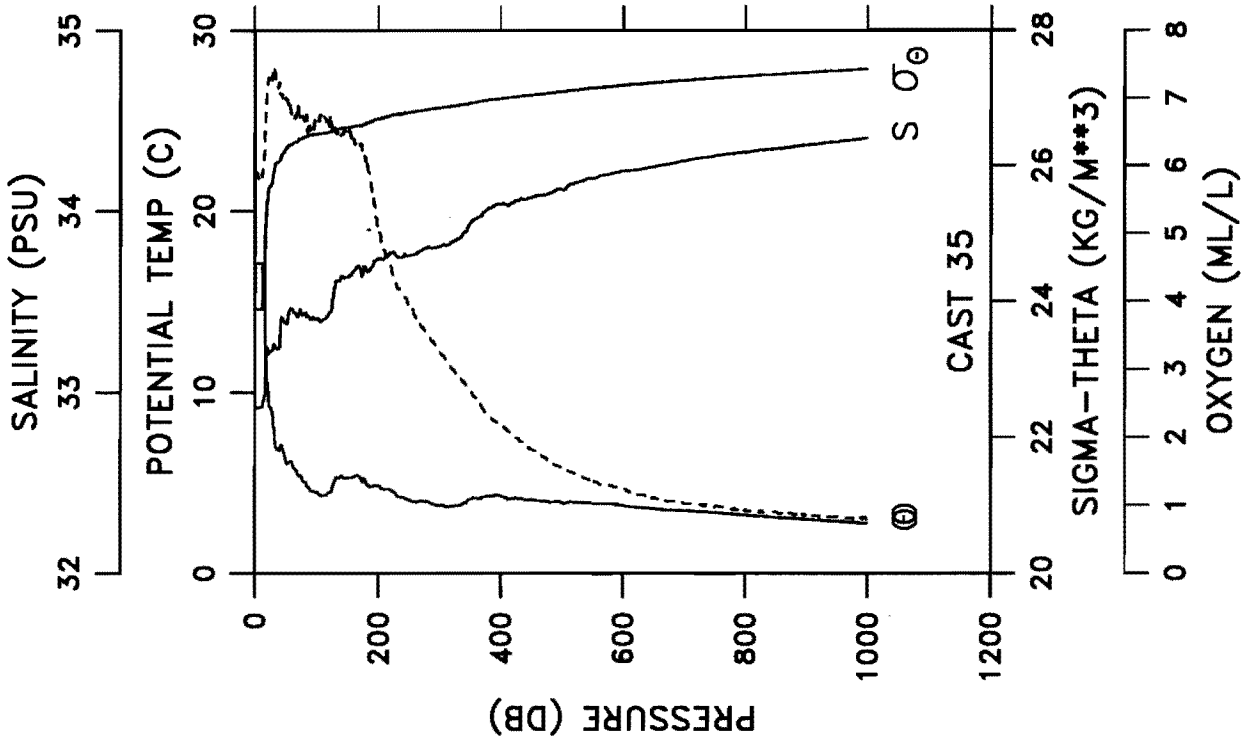


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DTN-M)	DELTA-D (DTN-M)
0	15.915	32.794	6.23	24.072	0.000
10	15.304	32.808	6.39	24.218	0.038
20	8.764	33.111	7.28	25.676	0.070
30	6.894	33.253	7.42	26.057	0.091
40	5.748	33.230	7.38	26.185	0.110
50	5.261	33.243	7.21	26.253	0.128
60	4.654	33.275	7.09	26.346	0.145
70	4.083	33.273	6.82	26.404	0.161
80	3.916	33.300	6.70	26.442	0.177
90	3.918	33.327	6.82	26.464	0.193
100	3.974	33.355	6.81	26.480	0.208
110	4.019	33.387	6.70	26.502	0.224
120	4.021	33.415	6.55	26.524	0.239
130	4.033	33.441	6.53	26.543	0.254
140	4.112	33.486	6.45	26.571	0.269
150	3.992	33.511	6.18	26.603	0.283
160	4.041	33.575	5.64	26.649	0.298
170	3.978	33.615	5.05	26.687	0.311
180	3.900	33.664	4.62	26.734	0.325
190	3.656	33.664	4.36	26.757	0.338
200	3.735	33.667	4.11	26.752	0.351
250	3.445	33.757	3.31	26.852	0.412
300	3.611	33.850	2.75	26.910	0.471
350	3.532	33.903	2.31	26.960	0.528
400	3.431	33.968	1.81	27.022	0.583
450	3.433	34.031	1.52	27.071	0.635
500	3.432	34.091	1.28	27.120	0.684
550	3.435	34.149	1.10	27.166	0.732
600	3.366	34.192	1.00	27.206	0.778
650	3.263	34.225	0.89	27.242	0.822
700	3.149	34.254	0.84	27.276	0.865
750	3.055	34.281	0.80	27.306	0.906
800	2.956	34.310	0.79	27.336	0.946
900	2.798	34.358	0.78	27.391	1.022
1000	2.669	34.393	0.78	27.430	1.094
1500	2.105	34.519	1.13	27.578	1.410
2000	1.755	34.594	1.66	27.665	1.681
2500	1.497	34.637	2.37	27.719	1.924
3000	1.331	34.660	2.85	27.749	2.151
3500	1.213	34.674	3.21	27.769	2.374
4000	1.138	34.682	3.43	27.781	2.596
4500	1.102	34.685	3.61	27.786	2.823
5000	1.078	34.688	3.62	27.789	3.057
5076	1.076	34.689	3.67	27.790	3.093

CAST CG1-92-VI -035 DATE 01 SEP 92 TIME 1300 GMT  
LAT 42 00.7N LONG 165 01.9E

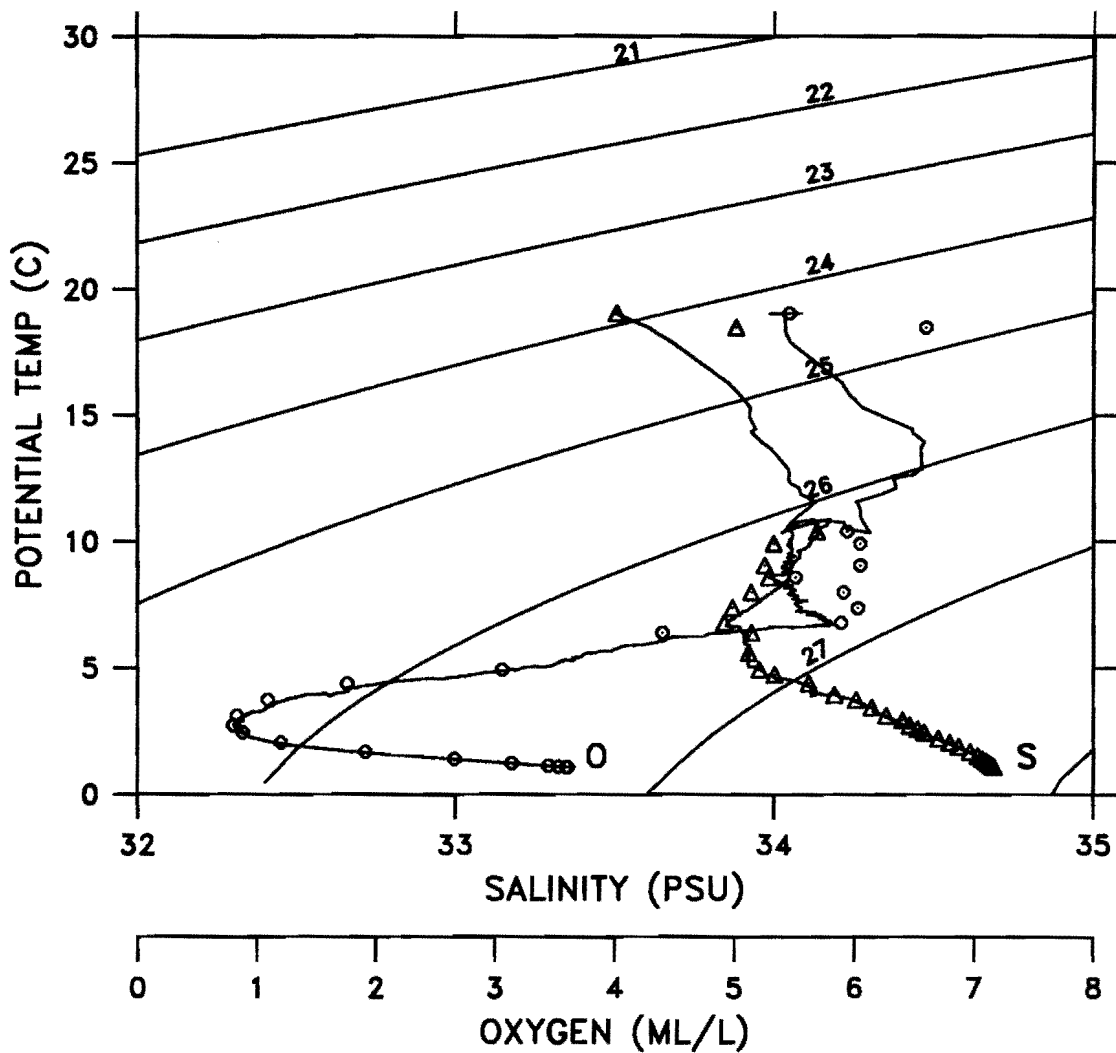


CAST CG1-92-VI -035 DATE 01 SEP 92 TIME 1300 GMT  
 LAT 42 00.7N LONG 165 01.9E WEATHER 1 SEA STATE 4  
 BAROMETER 18 WIND DIR 180 T SPD 17 KT VISIBILITY 7  
 CLOUD X AMOUNT 2 DRY 18.3 WET 17.4 DEPTH 4750 M

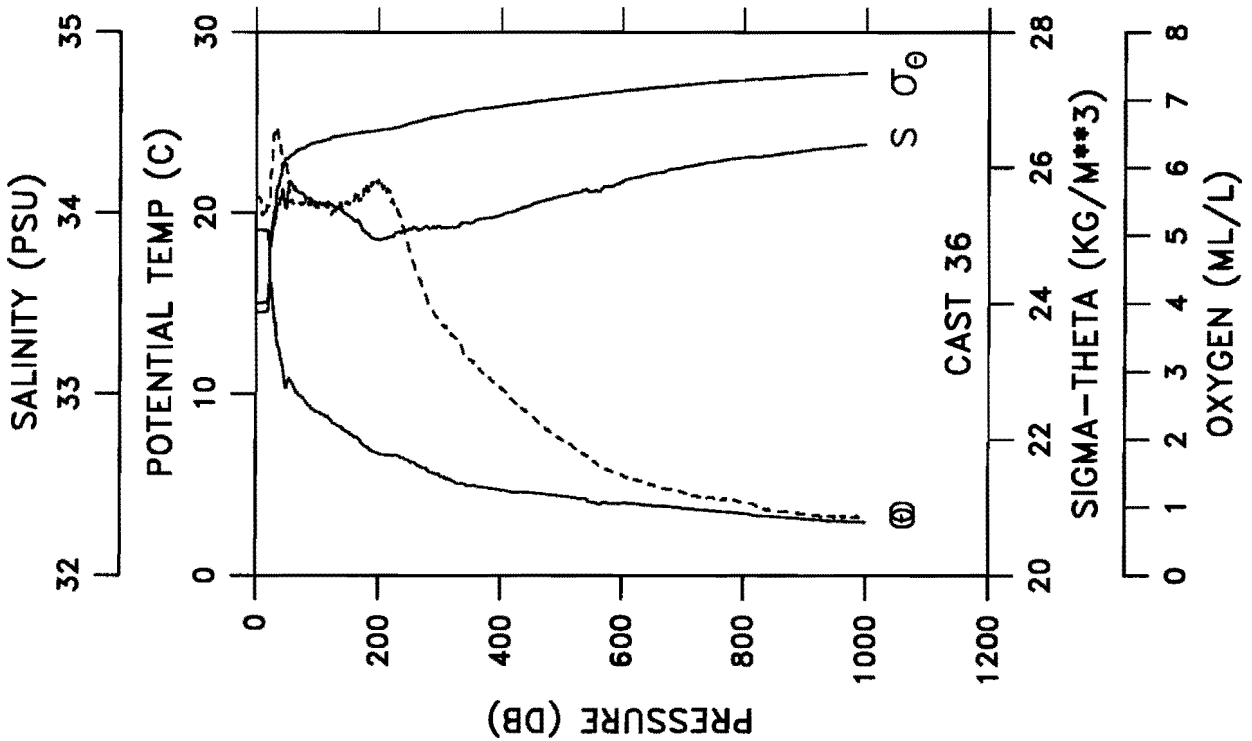


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	17.121	32.917	5.91	23.889	0.000
10	17.122	32.917	5.85	23.889	0.040
20	10.522	33.247	7.22	25.495	0.074
30	8.020	33.284	7.35	25.908	0.097
40	6.771	33.249	7.24	26.071	0.117
50	6.187	33.385	6.98	26.254	0.136
60	6.140	33.483	6.76	26.321	0.153
70	5.595	33.413	6.91	26.371	0.170
80	5.033	33.427	6.67	26.425	0.186
90	4.580	33.401	6.56	26.454	0.202
100	4.489	33.405	6.70	26.467	0.217
110	4.304	33.400	6.73	26.482	0.233
120	4.458	33.438	6.55	26.497	0.248
130	5.097	33.582	6.56	26.540	0.264
140	5.370	33.640	6.46	26.554	0.278
150	5.246	33.635	6.45	26.565	0.293
160	5.328	33.667	6.41	26.561	0.306
170	5.275	33.681	6.29	26.598	0.323
180	4.955	33.679	6.15	26.633	0.337
190	4.801	33.695	5.60	26.663	0.351
200	4.836	33.739	5.08	26.694	0.365
250	4.041	33.754	3.94	26.791	0.430
300	3.759	33.805	3.25	26.860	0.482
350	4.095	33.934	2.69	26.929	0.551
400	4.269	34.036	2.17	26.993	0.607
450	4.075	34.076	1.83	27.044	0.660
500	3.910	34.119	1.56	27.085	0.711
550	3.873	34.181	1.37	27.148	0.760
600	3.758	34.221	1.23	27.191	0.807
650	3.568	34.245	1.12	27.229	0.852
700	3.467	34.275	1.03	27.263	0.896
750	3.353	34.304	0.97	27.287	0.938
800	3.215	34.324	0.91	27.326	0.979
900	2.989	34.364	0.84	27.378	1.056
1000	2.752	34.403	0.79	27.431	1.129
1500	2.136	34.518	1.07	27.575	1.449
2000	1.765	34.595	1.66	27.666	1.720
2500	1.498	34.638	2.34	27.720	1.963
3000	1.324	34.663	2.85	27.752	2.190
3500	1.207	34.676	3.22	27.771	2.412
4000	1.129	34.684	3.48	27.783	2.633
4500	1.094	34.687	3.60	27.788	2.857
4922	1.089	34.688	3.63	27.788	3.054

CAST CG1-92-VI -036 DATE 01 SEP 92 TIME 2040 GMT  
LAT 41 29.8N LONG 165 00.5E

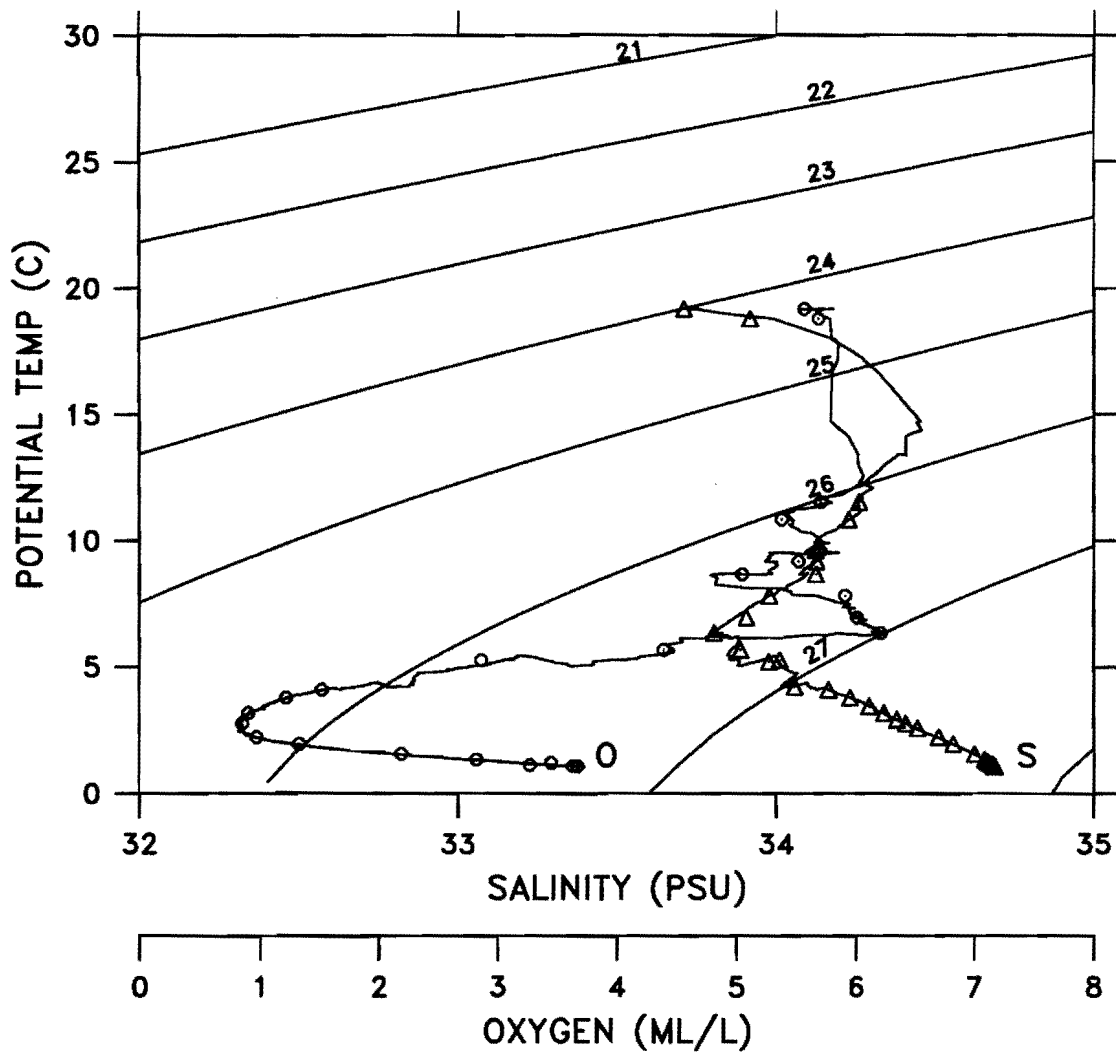


CAST CG1-92-VI -036 DATE 01 SEP 92 TIME 2040 GMT  
 LAT 41 29.8N LONG 165 00.5E WEATHER 3 SEA STATE 4  
 BAROMETER 16 WIND DIR 172 T SPD 22 KT VISIBILITY 7  
 CLOUD 4 AMOUNT 8 DRY 20.3 WET 13.5 DEPTH M

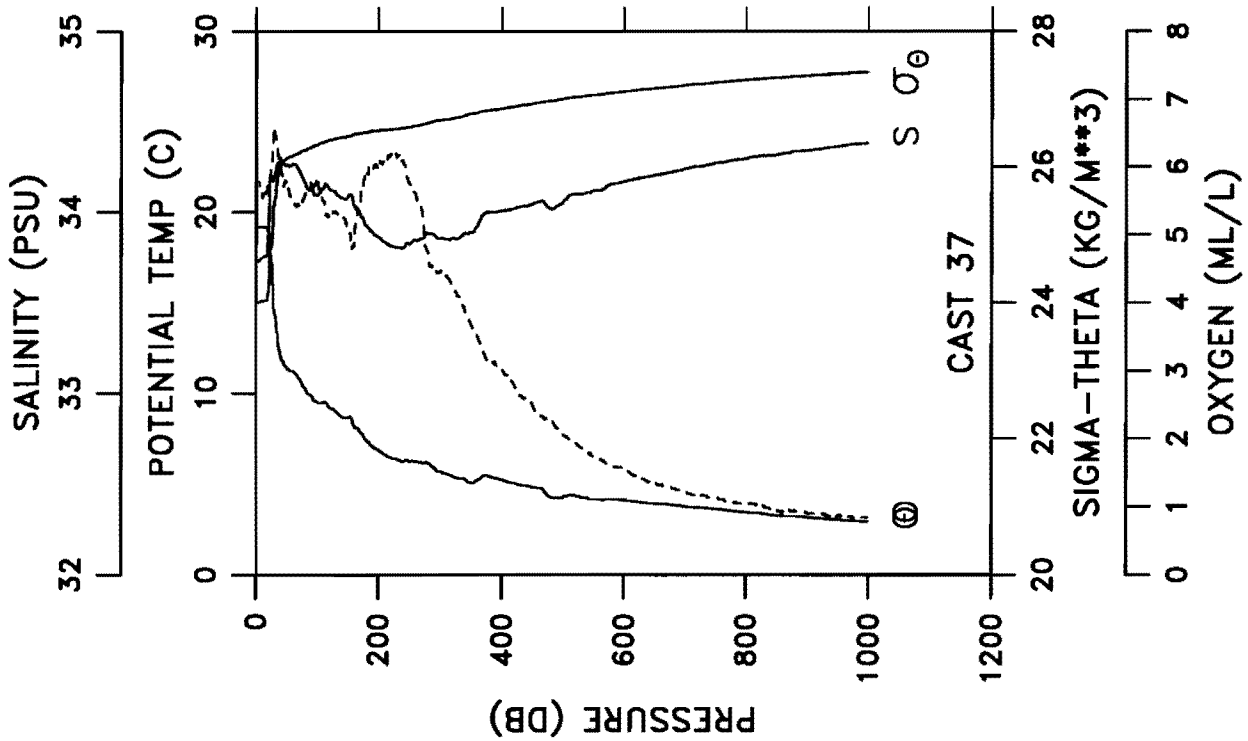


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	19.034	33.502	5.56	23.869	0.000
10	19.035	33.501	5.35	23.868	0.040
20	18.474	33.604	5.43	24.088	0.080
30	13.947	33.960	6.59	25.395	0.111
40	11.885	34.082	6.23	25.898	0.135
50	10.481	34.052	5.95	26.129	0.154
60	10.509	34.146	5.46	26.198	0.173
70	9.924	34.110	5.48	26.271	0.190
80	9.607	34.073	5.49	26.294	0.208
90	9.185	34.065	5.42	26.357	0.225
100	8.998	34.056	5.44	26.380	0.242
110	8.879	34.053	5.44	26.396	0.258
120	8.846	34.045	5.33	26.427	0.274
130	8.354	34.031	5.41	26.460	0.290
140	8.146	34.013	5.42	26.477	0.306
150	7.908	33.985	5.47	26.491	0.322
160	7.665	33.955	5.55	26.503	0.337
170	7.466	33.939	5.52	26.519	0.353
180	7.095	33.888	5.72	26.530	0.368
190	6.853	33.859	5.74	26.540	0.383
200	6.724	33.851	5.82	26.551	0.398
250	6.314	33.910	4.77	26.652	0.472
300	5.544	33.925	3.74	26.759	0.540
350	4.923	33.941	3.17	26.845	0.603
400	4.675	33.988	2.75	26.909	0.664
450	4.556	34.044	2.36	26.967	0.721
500	4.362	34.093	1.99	27.027	0.776
550	4.014	34.116	1.71	27.081	0.828
600	3.955	34.172	1.47	27.132	0.878
650	3.841	34.217	1.33	27.179	0.926
700	3.686	34.252	1.22	27.223	0.972
750	3.545	34.280	1.14	27.259	1.016
800	3.413	34.306	1.07	27.293	1.059
900	3.102	34.344	0.90	27.352	1.139
1000	2.928	34.379	0.86	27.396	1.215
1500	2.205	34.505	0.98	27.559	1.547
2000	1.813	34.584	1.52	27.653	1.827
2500	1.516	34.634	2.30	27.715	2.074
3000	1.337	34.659	2.85	27.749	2.304
3500	1.221	34.673	3.17	27.768	2.527
4000	1.138	34.682	3.43	27.781	2.750
4500	1.094	34.686	3.60	27.787	2.976
4861	1.084	34.687	3.65	27.788	3.143

CAST CG1-92-VI -037 DATE 02 SEP 92 TIME 0429 GMT  
LAT 41 01.3N LONG 164 59.4E

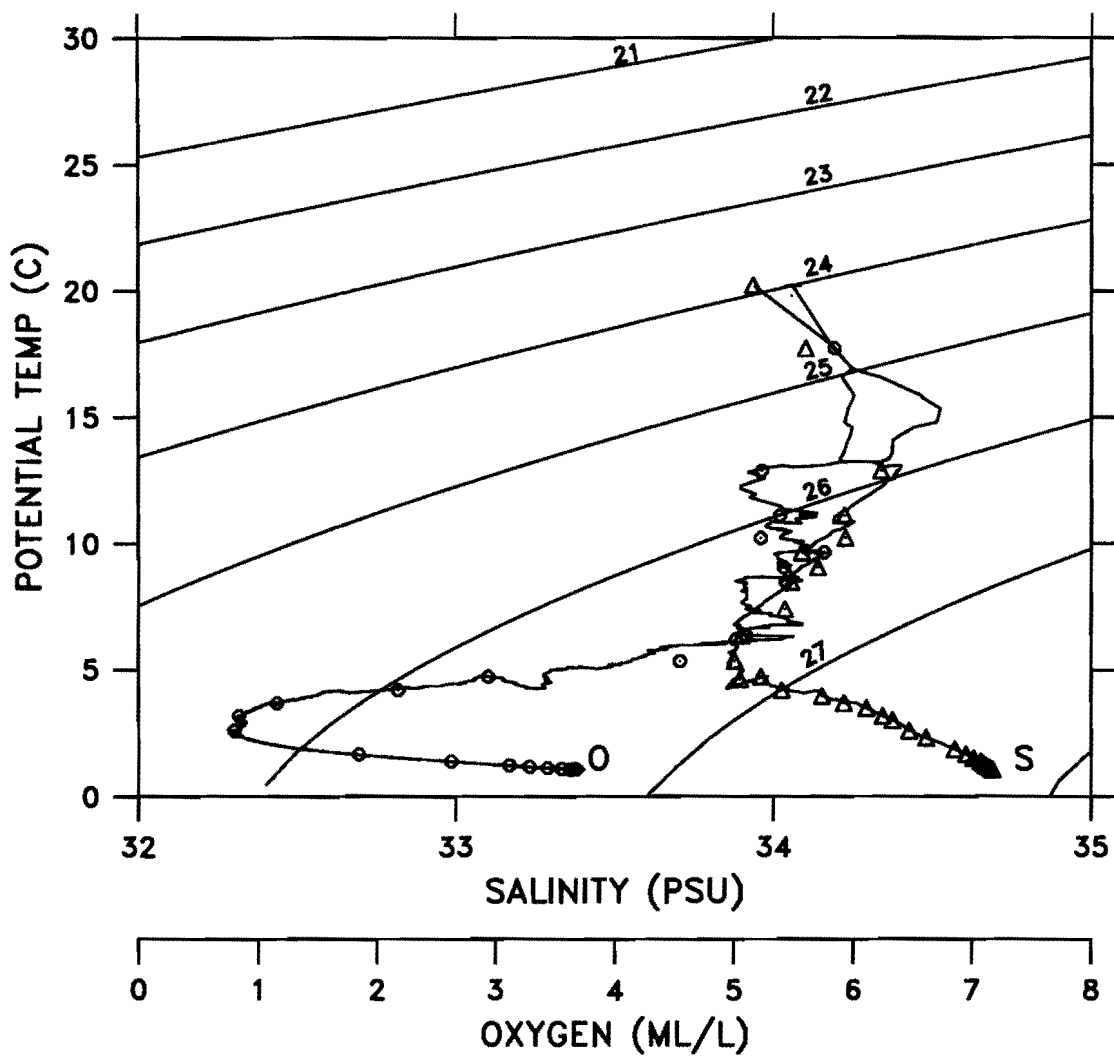


CAST 061-92-VI -037 DATE 02 SEP 92 TIME 0429 GMT  
 LAT 41 01.3N LONG 164 59.4E WEATHER 6 SEA STATE 5  
 BAROMETER 10 WIND DIR 170 T SPD 22 KT VISIBILITY 6  
 CLOUD 7 AMOUNT 9 DRY 20.5 WET 20.0 DEPTH 5287 M



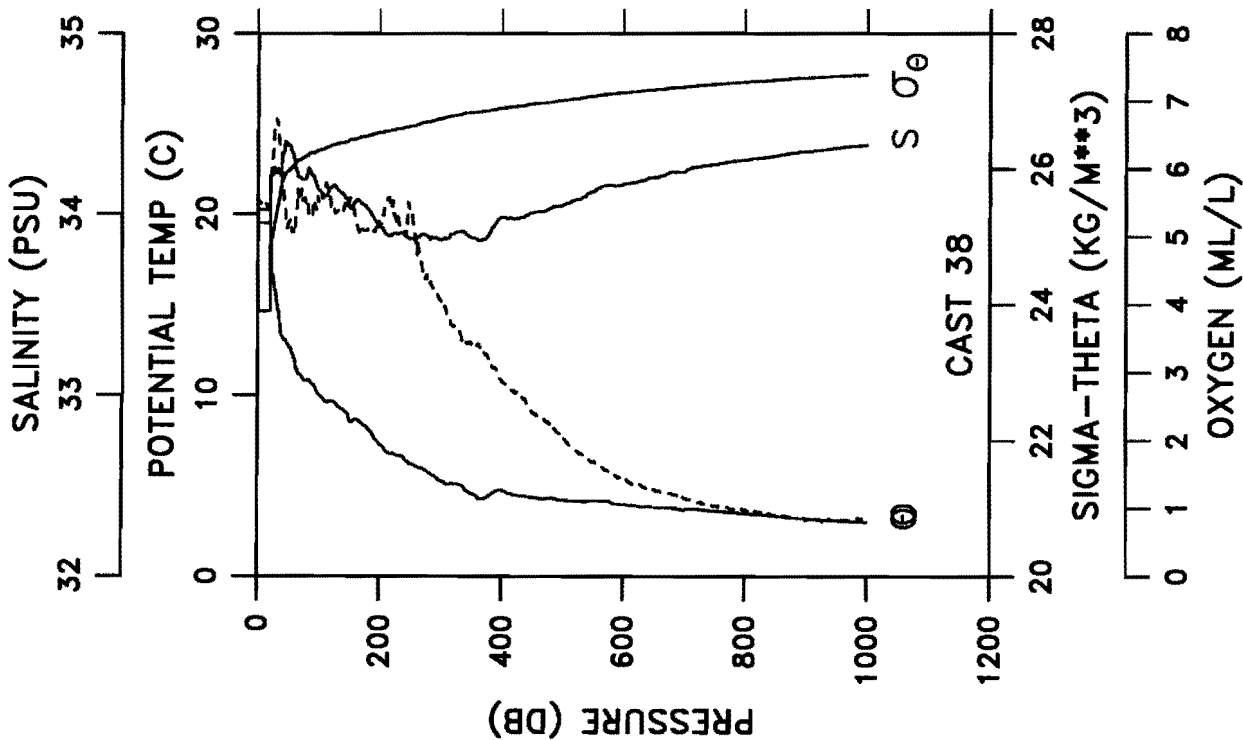
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	19.180	33.731	5.82	24.007	0.000
10	19.175	33.749	5.54	24.022	0.039
20	18.938	33.878	5.71	24.182	0.078
30	14.345	34.205	6.56	25.501	0.108
40	12.084	34.304	5.98	26.033	0.130
50	11.413	34.280	5.70	26.125	0.150
60	11.225	34.265	5.50	26.163	0.168
70	10.849	34.233	5.43	26.205	0.187
80	10.312	34.163	5.61	26.245	0.205
90	9.845	34.123	5.70	26.293	0.222
100	9.519	34.091	5.86	26.322	0.239
110	9.489	34.136	5.50	26.363	0.256
120	9.251	34.129	5.26	26.396	0.273
130	9.002	34.107	5.34	26.419	0.289
140	8.725	34.078	5.29	26.440	0.306
150	8.672	34.084	5.05	26.453	0.322
160	8.243	34.036	4.85	26.480	0.337
170	7.848	33.985	5.48	26.499	0.353
180	7.441	33.928	5.91	26.513	0.368
190	7.106	33.887	5.97	26.528	0.384
200	6.872	33.864	6.05	26.542	0.399
250	6.245	33.823	5.76	26.592	0.474
300	5.657	33.856	4.45	26.691	0.545
350	5.047	33.889	3.68	26.789	0.612
400	5.203	34.008	3.02	26.866	0.675
450	4.808	34.045	2.50	26.940	0.734
500	4.251	34.054	2.05	27.008	0.790
550	4.164	34.119	1.73	27.068	0.843
600	4.081	34.169	1.52	27.117	0.894
650	3.905	34.204	1.33	27.162	0.943
700	3.746	34.239	1.23	27.207	0.990
750	3.603	34.273	1.12	27.248	1.035
800	3.431	34.296	1.04	27.283	1.078
900	3.153	34.340	0.90	27.344	1.159
1000	2.904	34.382	0.84	27.401	1.235
1500	2.224	34.509	0.96	27.560	1.566
2000	1.799	34.587	1.52	27.656	1.844
2500	1.509	34.636	2.26	27.717	2.090
3000	1.341	34.680	2.78	27.749	2.319
3500	1.226	34.674	3.13	27.768	2.543
4000	1.148	34.682	3.40	27.780	2.766
4500	1.103	34.686	3.53	27.786	2.993
5000	1.082	34.688	3.61	27.789	3.228
5361	1.071	34.689	3.71	27.790	3.403

CAST CG1-92-VI -038 DATE 02 SEP 92 TIME 1323 GMT  
LAT 40 30.4N LONG 165 00.6E



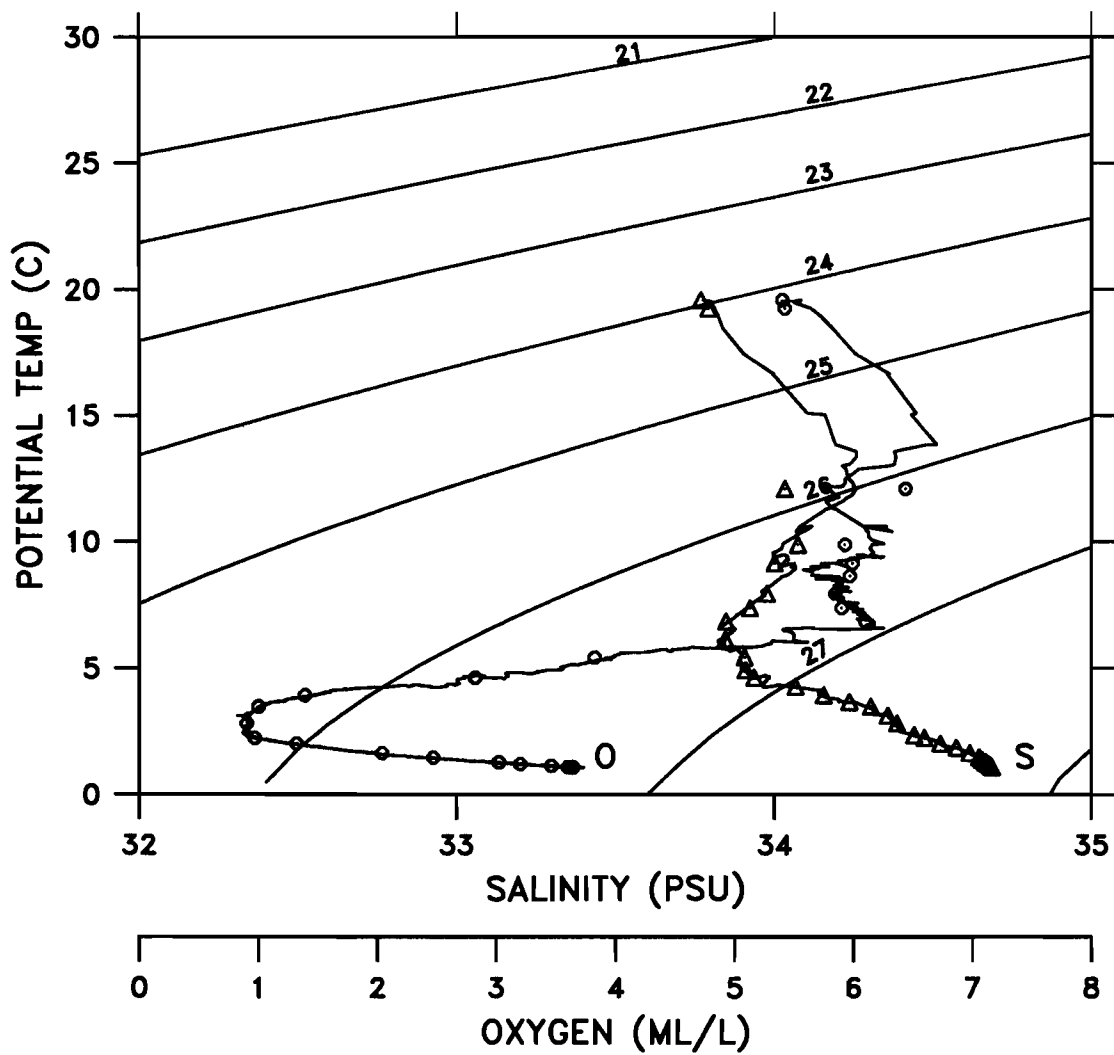


CAST CG1-92-VI-038 DATE 02 SEP 92 TIME 1323 GMT  
 LAT 40 30.4N LONG 165 00.6E WEATHER 2 SEA STATE 3  
 BAROMETER 09 WIND DIR 252 T SPD 13 KT VISIBILITY 7  
 CLOUD X AMOUNT 8 DRY 19.7 WET 19.5 DEPTH 5512 M

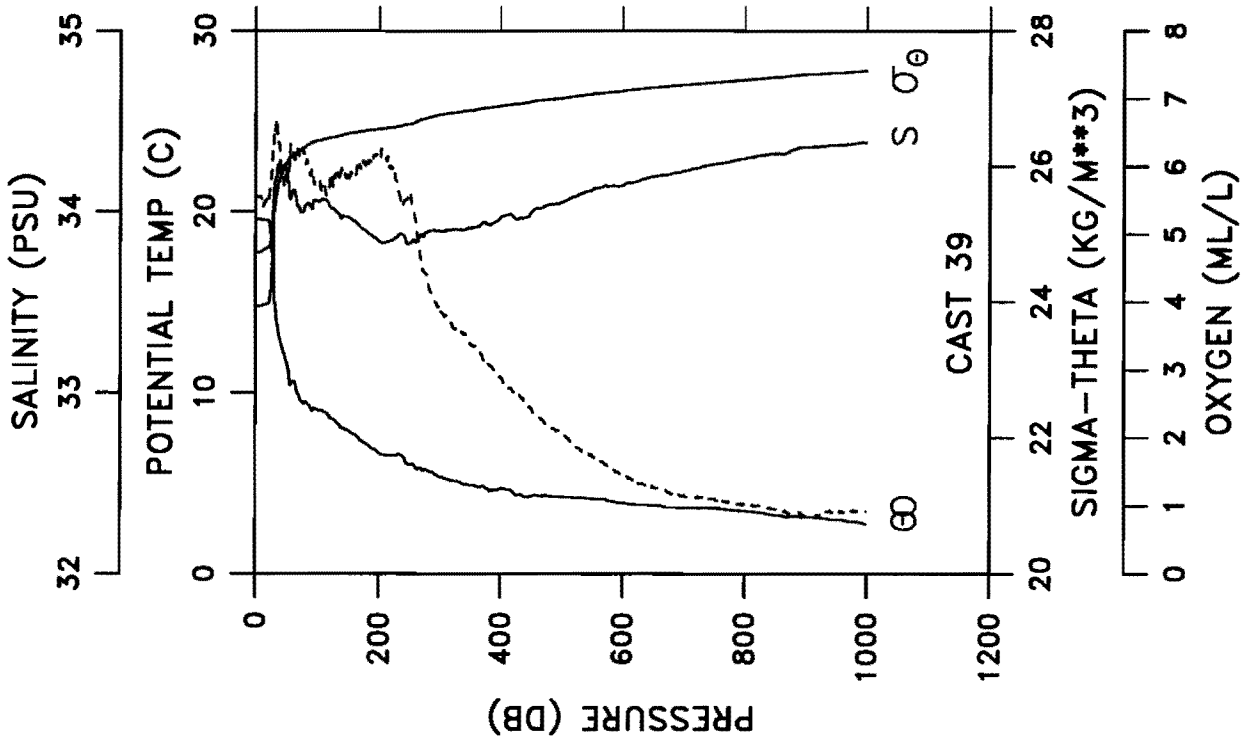


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	20.224	33.948	5.56	23.902	0.000
10	20.225	33.949	5.50	23.903	0.040
20	20.176	33.944	5.50	23.911	0.080
30	15.340	34.236	6.74	25.309	0.110
40	13.226	34.315	5.90	25.818	0.134
50	12.719	34.379	5.20	25.968	0.155
60	11.937	34.502	5.17	26.060	0.175
70	11.116	34.201	5.56	26.133	0.194
80	10.840	34.215	5.43	26.193	0.212
90	10.558	34.211	5.44	26.240	0.231
100	10.056	34.133	5.52	26.266	0.248
110	9.661	34.098	5.71	26.305	0.266
120	9.650	34.144	5.40	26.343	0.283
130	9.435	34.138	5.37	26.373	0.300
140	9.215	34.110	5.39	26.387	0.317
150	8.637	34.044	5.52	26.427	0.333
160	8.670	34.066	5.27	26.439	0.349
170	8.477	34.062	5.05	26.466	0.365
180	8.215	34.028	5.12	26.479	0.381
190	7.751	33.980	5.09	26.509	0.397
200	7.279	33.928	5.15	26.536	0.412
250	6.214	33.865	5.40	26.628	0.486
300	5.282	33.868	4.05	26.738	0.555
350	4.550	33.869	3.42	26.829	0.619
400	4.750	33.982	2.85	26.896	0.680
450	4.357	34.007	2.42	26.959	0.738
500	4.199	34.048	2.03	27.009	0.794
550	4.165	34.124	1.69	27.072	0.847
600	3.951	34.167	1.44	27.128	0.897
650	3.817	34.202	1.27	27.170	0.945
700	3.656	34.233	1.14	27.211	0.991
750	3.605	34.274	1.03	27.249	1.036
800	3.460	34.300	0.96	27.283	1.079
900	3.173	34.348	0.83	27.349	1.161
1000	2.993	34.363	0.87	27.393	1.237
1500	2.222	34.504	0.96	27.557	1.570
2000	1.789	34.588	1.55	27.658	1.848
2500	1.509	34.635	2.27	27.717	2.094
3000	1.334	34.659	2.76	27.749	2.322
3500	1.221	34.674	3.13	27.768	2.546
4000	1.147	34.681	3.38	27.779	2.768
4500	1.102	34.686	3.54	27.786	2.995
5000	1.080	34.688	3.60	27.789	3.229
5600	1.072	34.689	3.67	27.790	3.524

CAST CG1-92-VI -039 DATE 02 SEP 92 TIME 2107 GMT  
LAT 40 00.9N LONG 165 00.2E

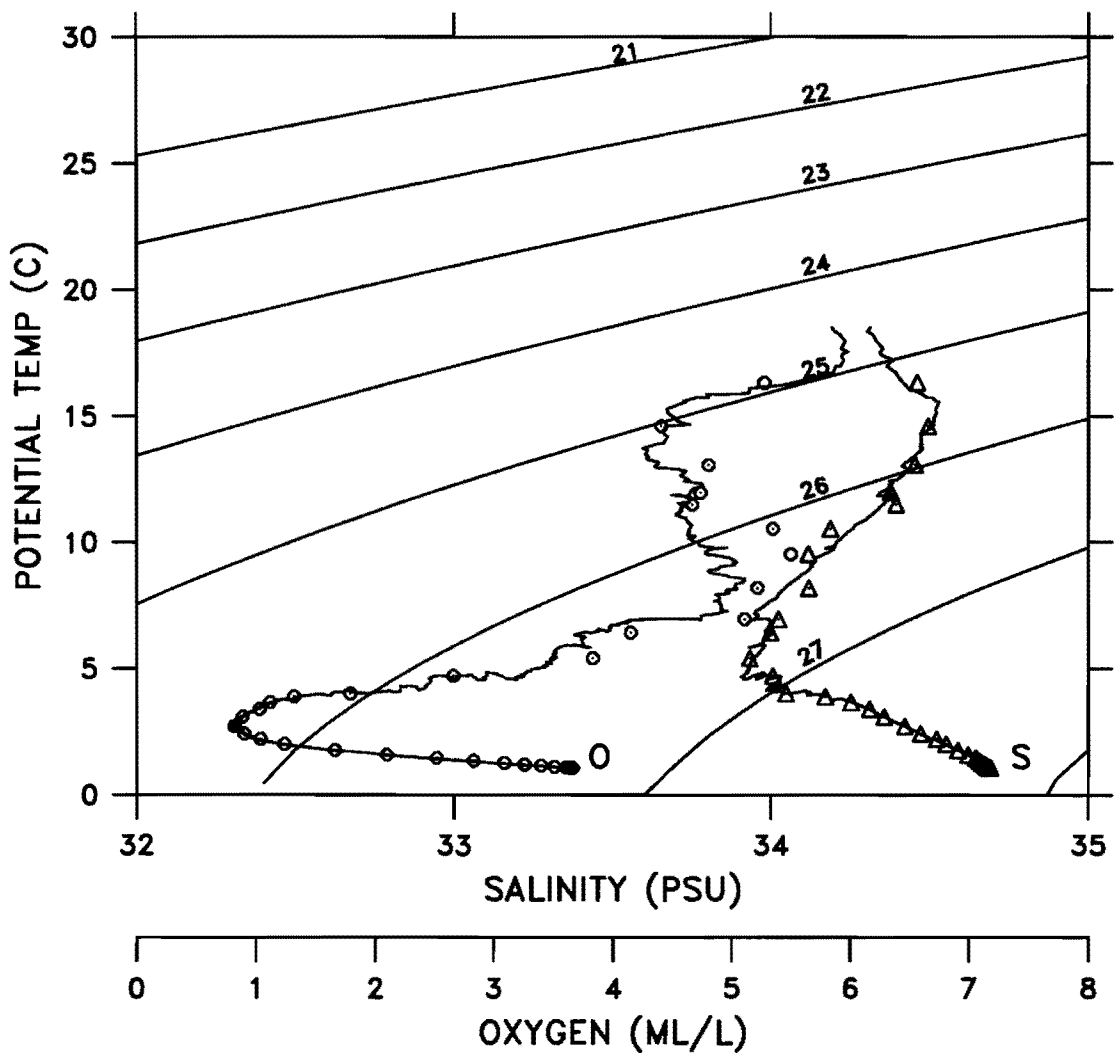


CAST CG1-92-VI -039 DATE 02 SEP 92 TIME 2107 GMT  
 LAT 40 00.9N LONG 165 00.2E WEATHER 1 SEA STATE 3  
 BAROMETER 10 WIND DIR 104 T SPD 02 KT VISIBILITY 6  
 CLOUD 7 AMOUNT 5 DRY 21.0 WET 20.0 DEPTH 5497 M

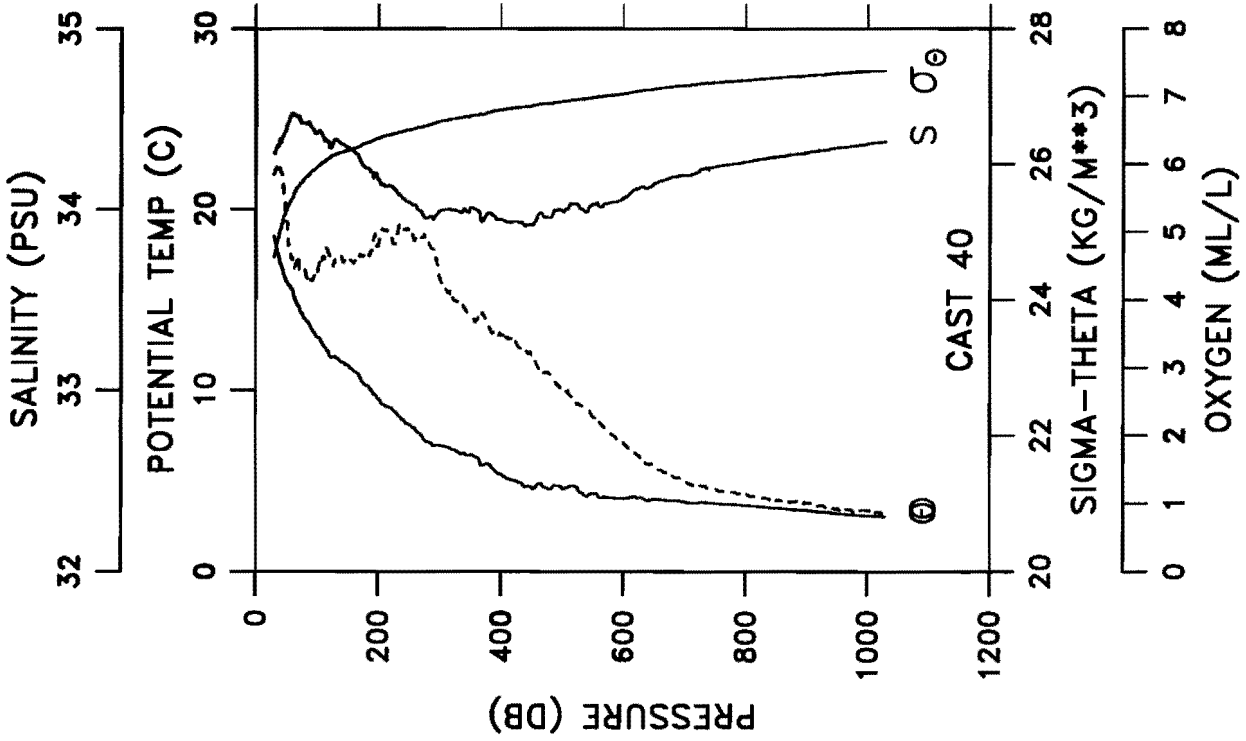


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	19.581	33.774	5.55	23.937	0.000
10	19.548	33.778	5.52	23.949	0.040
20	19.518	33.799	5.52	23.972	0.079
30	15.094	34.105	6.53	25.262	0.115
40	12.884	34.227	6.05	25.817	0.138
50	11.681	34.225	5.83	26.047	0.159
60	10.609	34.116	6.27	26.157	0.178
70	9.878	34.028	6.16	26.213	0.198
80	9.493	34.031	6.07	26.280	0.214
90	9.126	34.027	5.88	26.336	0.231
100	9.028	34.058	5.75	26.376	0.248
110	8.930	34.068	5.70	26.399	0.265
120	8.636	34.030	5.76	26.416	0.281
130	8.395	34.002	5.90	26.431	0.297
140	8.039	33.966	5.92	26.456	0.313
150	7.900	33.971	5.80	26.481	0.329
160	7.686	33.948	5.91	26.494	0.344
170	7.362	33.910	5.96	26.510	0.360
180	7.142	33.889	6.10	26.524	0.375
190	6.897	33.862	6.12	26.537	0.391
200	6.652	33.836	6.11	26.549	0.406
250	6.036	33.822	5.57	26.617	0.480
300	5.308	33.890	3.87	26.760	0.548
350	4.860	33.908	3.39	26.825	0.612
400	4.686	33.965	2.90	26.890	0.674
450	4.271	33.991	2.43	26.956	0.732
500	4.252	34.050	2.09	27.004	0.787
550	4.153	34.119	1.75	27.069	0.840
600	3.910	34.145	1.46	27.115	0.891
650	3.780	34.196	1.27	27.169	0.939
700	3.642	34.225	1.15	27.205	0.986
750	3.603	34.284	1.10	27.241	1.031
800	3.463	34.292	1.02	27.277	1.074
900	3.122	34.356	0.83	27.360	1.155
1000	2.723	34.390	0.92	27.415	1.231
1500	2.205	34.488	1.01	27.545	1.555
2000	1.895	34.523	1.49	27.619	1.847
2500	1.567	34.623	2.11	27.703	2.106
3000	1.356	34.656	2.74	27.744	2.341
3500	1.228	34.671	3.11	27.765	2.566
4000	1.152	34.679	3.35	27.777	2.790
4500	1.105	34.684	3.53	27.784	3.018
5000	1.080	34.687	3.67	27.788	3.253
5576	1.073	34.687	3.71	27.789	3.536

CAST CG1-92-VI -040 DATE 03 SEP 92 TIME 0459 GMT  
LAT 39 29.7N LONG 165 01.1E

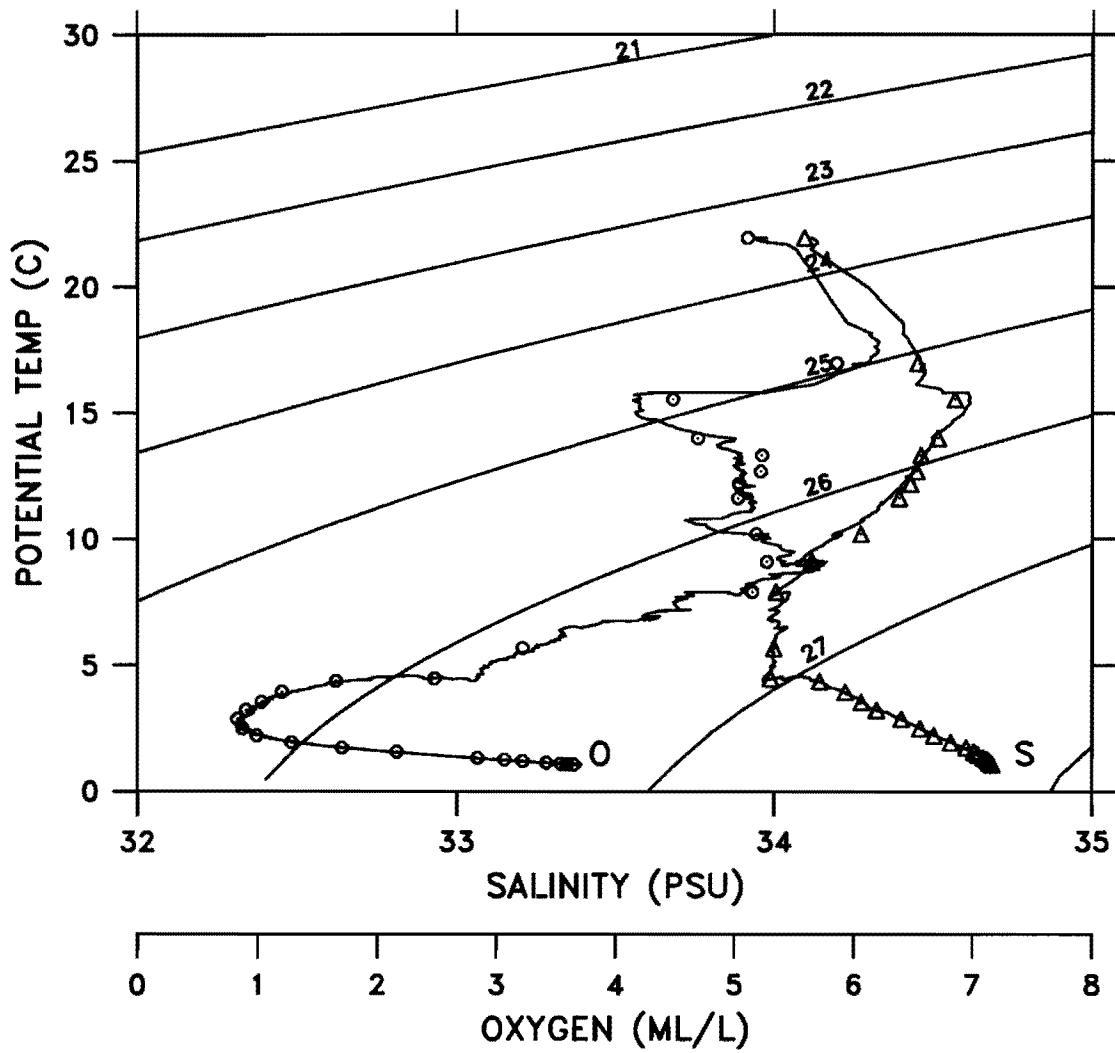


CAST 01-92-V-040 DATE 03 SEP 92 TIME 0459 GMT  
 LAT 39 29.7N LONG 165 01.1E WEATHER 1 SEA STATE 3  
 BAROMETER 09 WIND DIR 285 T SPD 08 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 3 DRY 21.0 WET 19.8 DEPTH 5264 M

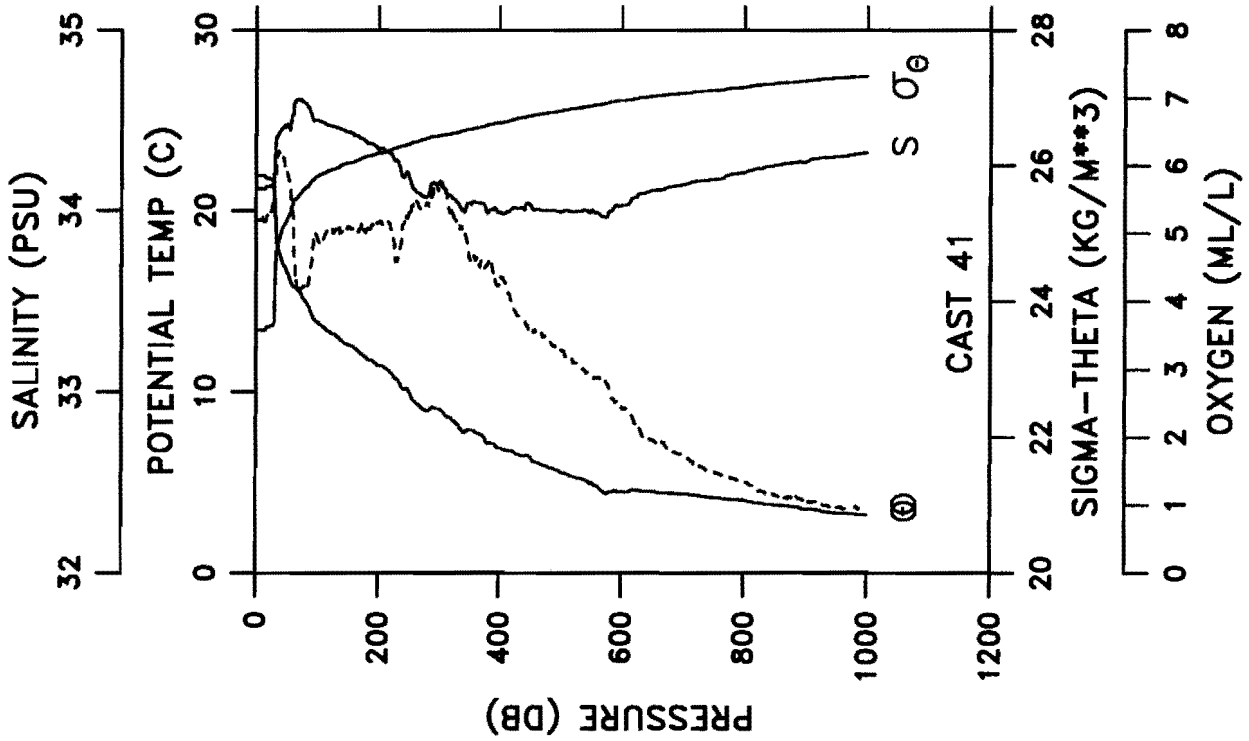


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DTN-M)	DELTA-D (DTN-M)
30	18.502	34.314	5.84	24.623	0.000
31	18.337	34.304	5.87	24.657	0.003
32	18.238	34.320	5.91	24.694	0.007
33	18.092	34.328	5.94	24.736	0.010
40	16.998	34.367	5.92	25.030	0.031
50	16.057	34.446	5.15	25.310	0.059
60	15.566	34.532	4.62	25.487	0.085
70	14.670	34.516	4.65	25.671	0.109
80	13.940	34.475	4.43	25.795	0.132
90	13.467	34.458	4.27	25.879	0.153
100	12.943	34.425	4.37	25.960	0.175
110	12.476	34.400	4.64	26.032	0.195
120	11.954	34.344	4.65	26.089	0.215
130	11.867	34.387	4.58	26.139	0.234
140	11.561	34.362	4.63	26.176	0.253
150	11.368	34.343	4.59	26.198	0.271
160	11.060	34.317	4.53	26.233	0.289
170	10.762	34.280	4.63	26.258	0.308
180	10.261	34.230	4.65	26.307	0.325
190	9.925	34.205	4.73	26.344	0.342
200	9.528	34.169	4.79	26.382	0.359
250	8.108	34.038	5.03	26.502	0.440
300	6.951	33.990	4.33	26.630	0.516
350	6.446	34.009	3.79	26.713	0.586
400	5.346	33.944	3.48	26.798	0.653
450	4.661	33.916	3.18	26.854	0.716
500	4.599	33.992	2.69	26.921	0.776
550	4.307	34.029	2.26	26.982	0.834
600	4.025	34.063	1.88	27.038	0.888
650	3.978	34.139	1.55	27.104	0.940
700	3.839	34.186	1.33	27.155	0.989
750	3.762	34.236	1.22	27.203	1.036
800	3.640	34.262	1.12	27.236	1.062
900	3.388	34.312	1.01	27.299	1.168
1000	3.089	34.361	0.90	27.367	1.248
1500	2.309	34.493	0.94	27.540	1.591
2000	1.828	34.582	1.50	27.650	1.876
2500	1.529	34.631	2.20	27.712	2.124
3000	1.347	34.658	2.77	27.747	2.356
3500	1.221	34.673	3.13	27.768	2.580
4000	1.142	34.681	3.39	27.779	2.803
4500	1.096	34.686	3.58	27.787	3.030
5000	1.077	34.688	3.66	27.790	3.264
5325	1.069	34.688	3.69	27.790	3.421

CAST CG1-92-VI -041 DATE 03 SEP 92 TIME 1229 GMT  
LAT 39 01.2N LONG 165 01.2E

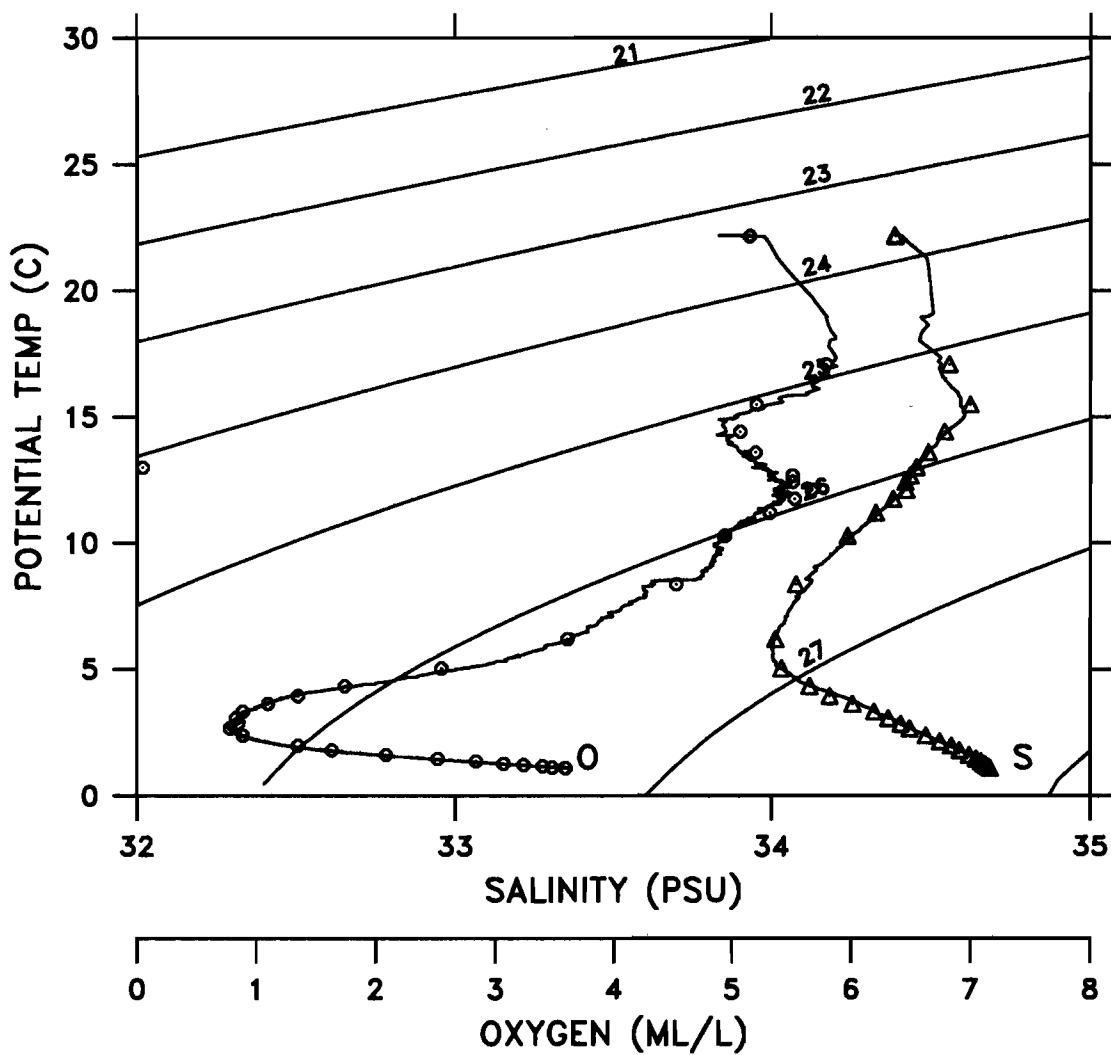


CAST 031-92-VI-041 DATE 03 SEP 92 TIME 1229 GMT  
 LAT 39 01.2N LONG 165 01.2E WEATHER 1 SEA STATE 2  
 BAROMETER 09 WIND DIR 189 T SPD 12 KT VISIBILITY 6  
 CLOUD X AMOUNT 2 DRY 21.0 WET 19.2 DEPTH 5449 M



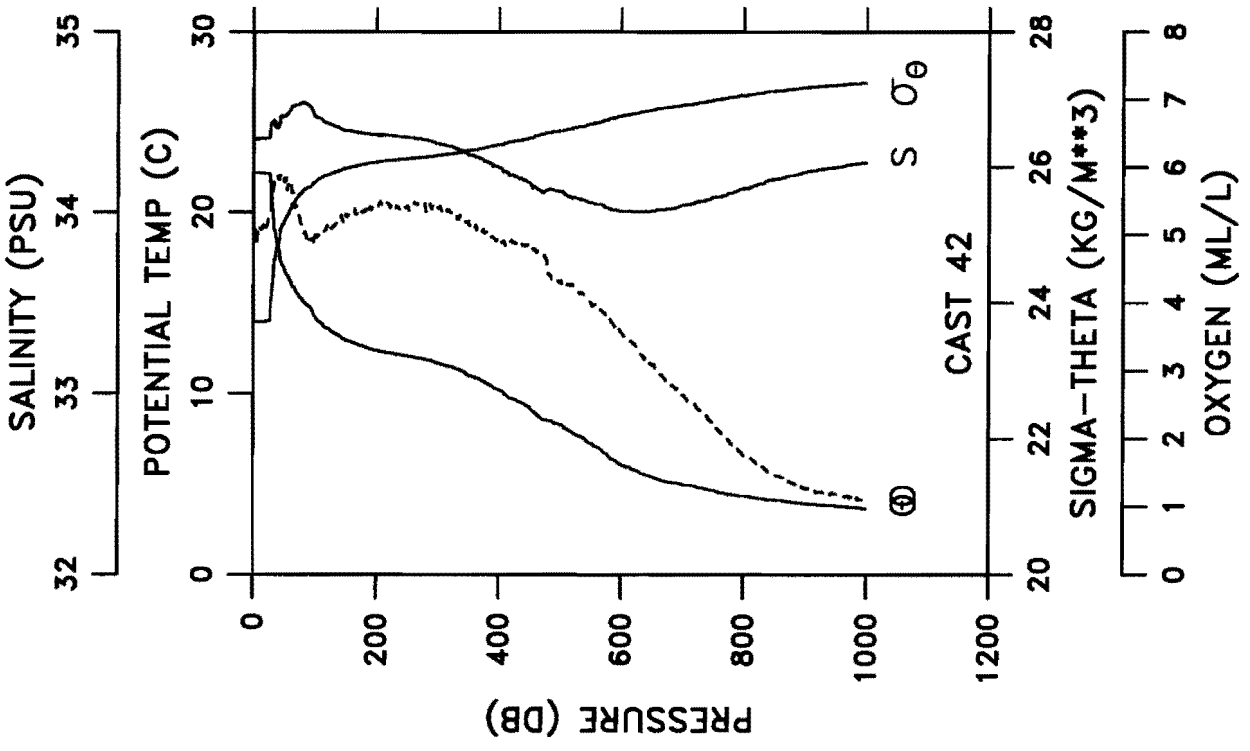
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	21.929	34.119	5.19	23.570	0.000
10	21.928	34.118	5.19	23.569	0.043
20	21.765	34.135	5.29	23.627	0.086
30	21.489	34.115	5.51	23.888	0.129
40	17.473	34.444	6.21	24.975	0.161
50	16.731	34.465	5.99	25.168	0.190
60	15.839	34.531	5.29	25.424	0.217
70	15.559	34.620	4.21	25.556	0.242
80	15.027	34.600	4.17	25.858	0.266
90	14.377	34.540	4.52	25.753	0.289
100	13.867	34.502	4.93	25.851	0.311
110	13.570	34.489	4.92	25.882	0.333
120	13.328	34.474	5.03	25.920	0.354
130	13.135	34.465	5.05	25.952	0.375
140	12.825	34.451	5.02	26.003	0.396
150	12.598	34.436	5.09	26.036	0.416
160	12.443	34.416	5.07	26.051	0.436
170	12.168	34.403	5.07	26.094	0.455
180	11.889	34.383	5.04	26.131	0.475
190	11.735	34.372	5.12	26.152	0.494
200	11.433	34.339	5.15	26.182	0.513
250	10.020	34.192	5.30	26.318	0.604
300	9.081	34.152	5.78	26.441	0.688
350	7.895	34.040	4.63	26.536	0.768
400	6.919	33.989	4.25	26.634	0.843
450	6.414	34.033	3.56	26.736	0.914
500	5.572	33.991	3.31	26.808	0.980
550	4.931	33.991	2.91	26.884	1.043
600	4.460	34.028	2.43	26.965	1.102
650	4.486	34.113	1.97	27.030	1.158
700	4.350	34.142	1.74	27.067	1.211
750	4.147	34.173	1.50	27.113	1.263
800	3.999	34.209	1.35	27.157	1.312
900	3.503	34.268	1.04	27.254	1.404
1000	3.206	34.323	0.84	27.326	1.489
1500	2.338	34.490	0.95	27.536	1.846
2000	1.871	34.575	1.43	27.642	2.133
2500	1.572	34.626	2.12	27.704	2.387
3000	1.364	34.656	2.73	27.744	2.623
3500	1.234	34.671	3.11	27.766	2.848
4000	1.159	34.679	3.35	27.777	3.073
4500	1.107	34.684	3.54	27.784	3.302
5000	1.082	34.688	3.64	27.789	3.536
5488	1.073	34.689	3.67	27.790	3.774

CAST CG1-92-VI -042 DATE 03 SEP 92 TIME 2023 GMT  
LAT 38 28.8N LONG 165 02.4E



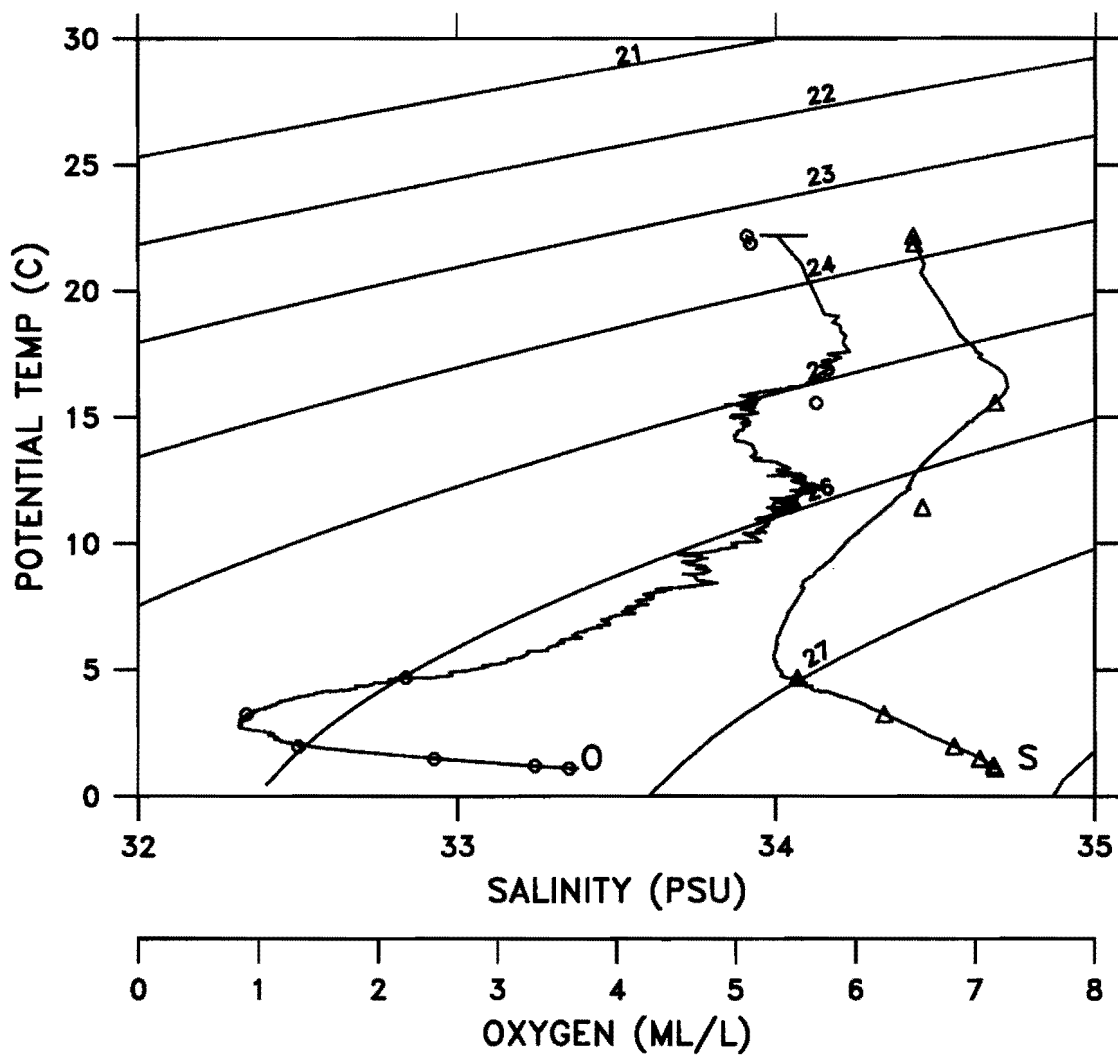


CAST CG1-92-VI -042 DATE 03 SEP 92 TIME 2023 GMT  
 LAT 38 28.8N LONG 165 02.4E WEATHER 1 SEA STATE 3  
 BAROMETER 09 WIND DIR 190 T SPD 19 KT VISIBILITY 7  
 CLOUD 4 AMOUNT 6 DRY 23.5 WET 22.3 DEPTH 4658 M

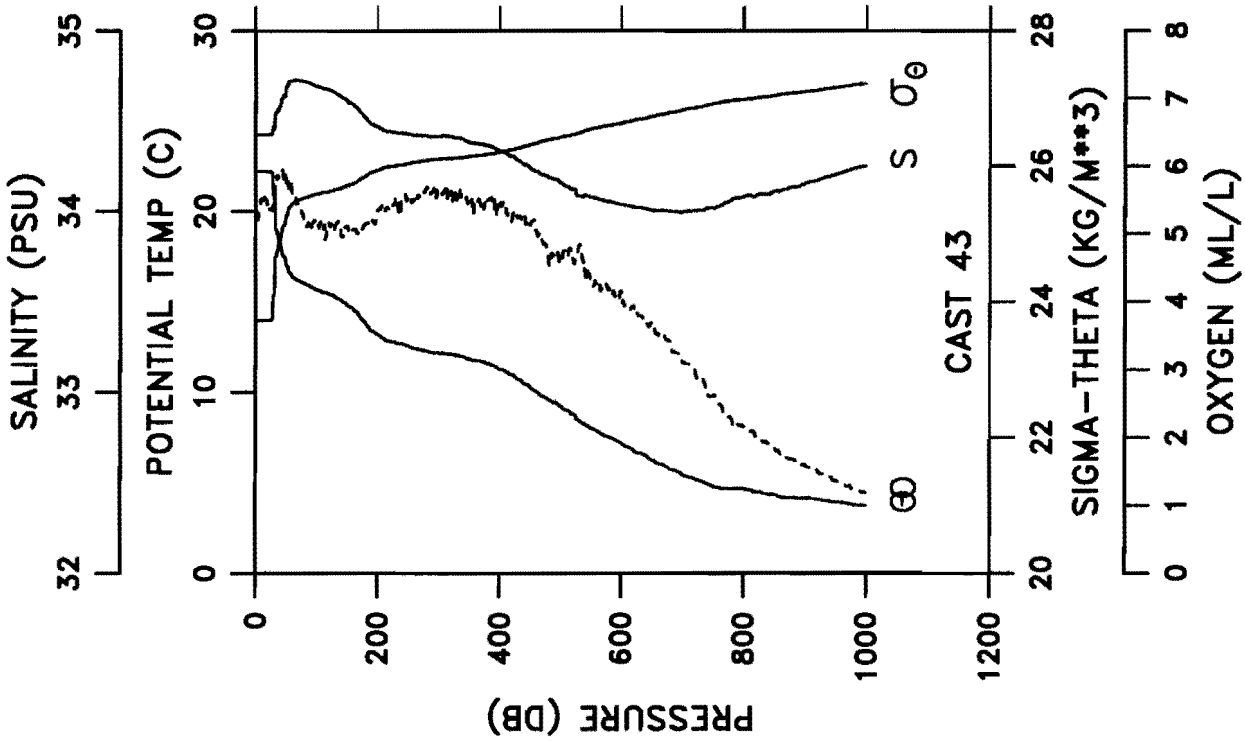


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	22.174	34.404	5.14	23.718	0.000
10	22.167	34.406	5.10	23.722	0.042
20	22.150	34.408	5.09	23.728	0.083
30	20.564	34.496	5.51	24.229	0.124
40	18.035	34.463	5.82	24.853	0.157
50	16.807	34.531	5.78	25.201	0.186
60	16.150	34.567	5.71	25.381	0.213
70	15.532	34.594	5.37	25.542	0.238
80	15.082	34.606	5.05	25.651	0.262
90	14.793	34.590	4.93	25.701	0.286
100	14.187	34.529	4.98	25.764	0.308
110	13.854	34.515	5.02	25.844	0.330
120	13.583	34.494	5.07	25.883	0.352
130	13.346	34.478	5.14	25.919	0.373
140	13.143	34.464	5.20	25.950	0.394
150	12.931	34.452	5.30	25.982	0.415
160	12.813	34.448	5.33	26.003	0.435
170	12.693	34.441	5.35	26.021	0.456
180	12.585	34.437	5.35	26.040	0.476
190	12.450	34.432	5.38	26.062	0.496
200	12.374	34.431	5.42	26.076	0.515
250	12.064	34.414	5.43	26.123	0.613
300	11.675	34.382	5.39	26.171	0.710
350	10.987	34.320	5.20	26.249	0.804
400	10.192	34.248	4.91	26.332	0.895
450	9.262	34.164	4.83	26.422	0.981
500	8.297	34.115	4.31	26.535	1.063
550	7.257	34.052	3.99	26.637	1.139
600	6.089	34.006	3.56	26.758	1.211
650	5.383	34.041	3.09	26.843	1.277
700	4.963	34.041	2.67	26.920	1.339
750	4.645	34.081	2.23	26.987	1.397
800	4.325	34.132	1.76	27.062	1.453
900	3.925	34.223	1.26	27.175	1.554
1000	3.622	34.274	1.08	27.247	1.647
1500	2.491	34.468	0.84	27.505	2.029
2000	1.967	34.561	1.26	27.623	2.331
2500	1.611	34.621	2.00	27.698	2.593
3000	1.385	34.654	2.64	27.740	2.830
3500	1.242	34.671	3.09	27.764	3.057
4000	1.161	34.679	3.35	27.777	3.283
4500	1.106	34.684	3.51	27.785	3.511
4676	1.084	34.685	3.58	27.786	3.593

CAST CG1-92-VI -043 DATE 04 SEP 92 TIME 1119 GMT  
LAT 37 59.4N LONG 165 00.4E

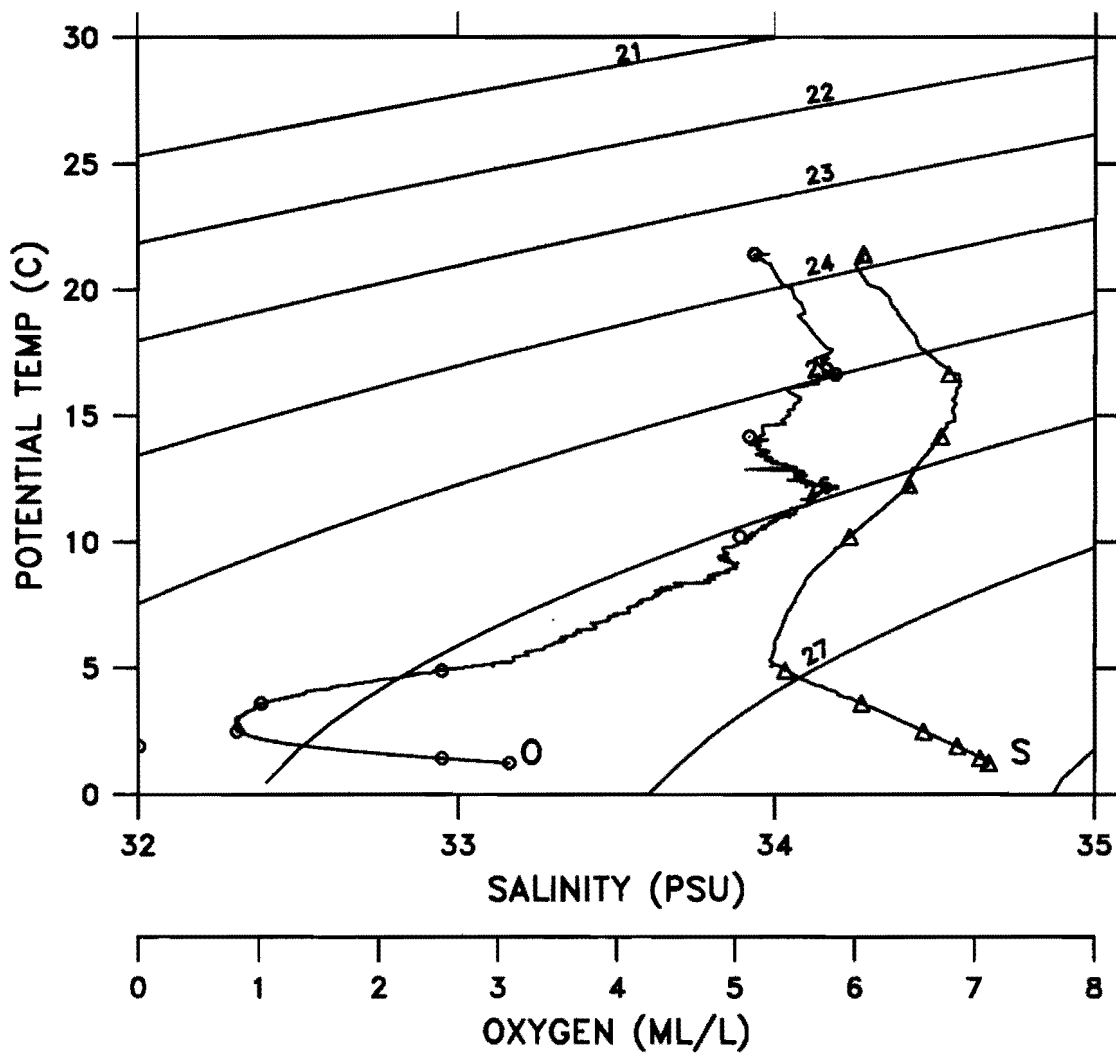


CAST CG1-92-VI-043 DATE 04 SEP 92 TIME 1119 GMT  
 LAT 37 59.4N LONG 165 00.4E WEATHER 2 SEA STATE 5  
 BAROMETER 07 WIND DIR 196 T SPD 26 KT VISIBILITY 6  
 CLOUD X AMOUNT 6 DRY 21.2 WET 22.5 DEPTH M

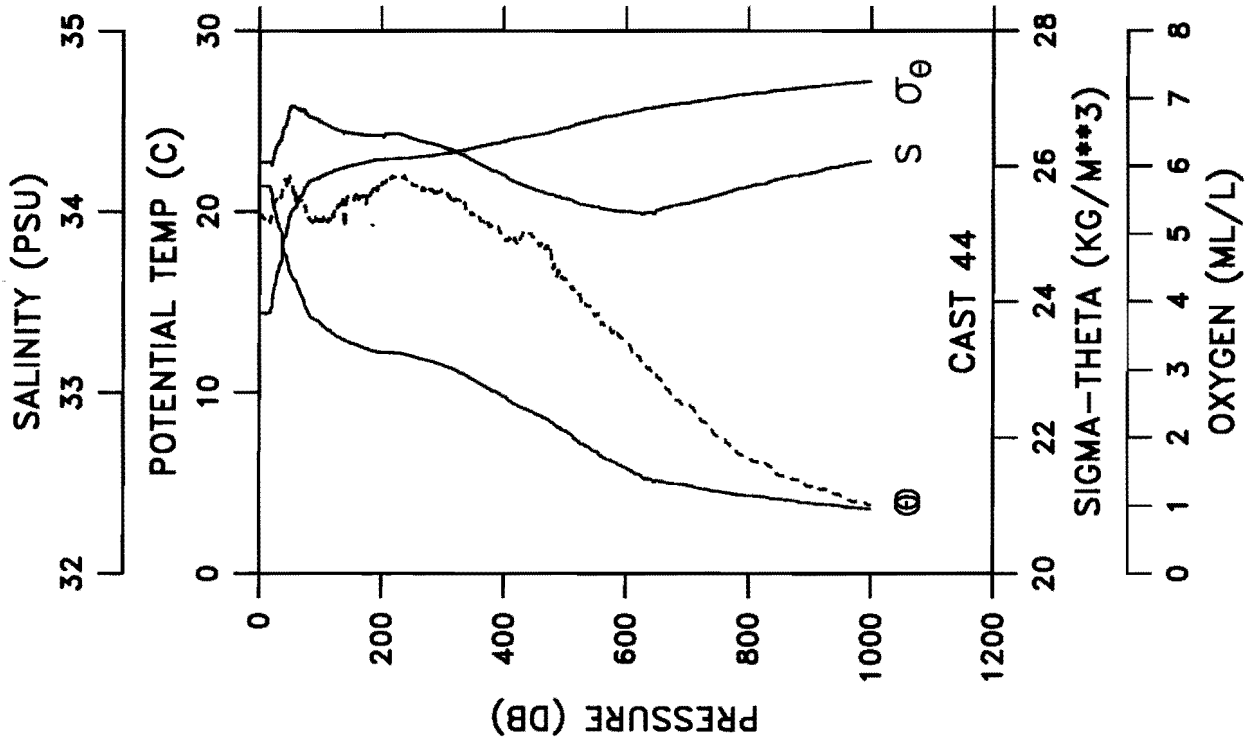


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	22.207	34.424	5.21	23.724	0.000
10	22.197	34.424	5.52	23.727	0.042
20	22.196	34.424	5.33	23.727	0.063
30	20.885	34.460	5.57	24.120	0.124
40	18.249	34.577	5.92	24.888	0.157
50	17.032	34.684	5.70	25.265	0.186
60	16.368	34.722	5.59	25.450	0.212
70	16.171	34.725	5.44	25.497	0.238
80	15.999	34.717	5.19	25.531	0.262
90	15.847	34.708	5.03	25.559	0.287
100	15.657	34.691	5.14	25.589	0.311
110	15.520	34.680	5.08	25.611	0.335
120	15.451	34.674	5.16	25.621	0.359
130	15.264	34.656	5.13	25.650	0.383
140	15.077	34.635	4.87	25.674	0.407
150	14.817	34.612	5.12	25.714	0.430
160	14.604	34.590	5.06	25.742	0.453
170	14.233	34.555	4.99	25.795	0.476
180	13.825	34.518	5.14	25.852	0.498
190	13.415	34.483	5.14	25.908	0.520
200	13.201	34.467	5.35	25.940	0.541
250	12.571	34.427	5.55	26.034	0.644
300	12.163	34.414	5.67	26.103	0.744
350	11.826	34.390	5.42	26.141	0.843
400	11.274	34.333	5.49	26.207	0.939
450	10.297	34.241	5.11	26.309	1.032
500	9.225	34.158	4.58	26.423	1.119
550	8.022	34.078	4.28	26.547	1.202
600	7.223	34.038	4.15	26.630	1.278
650	6.280	34.006	3.69	26.732	1.351
700	5.456	33.994	3.14	26.825	1.418
750	4.605	34.017	2.62	26.918	1.481
800	4.864	34.081	2.16	26.984	1.540
850	4.147	34.155	1.59	27.099	1.649
900	3.751	34.251	1.19	27.216	1.747
1000	2.522	34.460	1.06	27.497	2.142
1500	1.969	34.560	1.42	27.621	2.447
2000	1.620	34.622	2.15	27.698	2.709
2500	1.249	34.654	2.76	27.740	2.947
3000	1.163	34.673	3.13	27.765	3.175
3500	1.107	34.681	3.44	27.778	3.399
4000	1.095	34.686	3.60	27.786	3.627
4500		34.687	3.59	27.787	3.721
4702					

CAST CG1-92-VI -044 DATE 04 SEP 92 TIME 1924 GMT  
LAT 37 30.9N LONG 165 01.1E

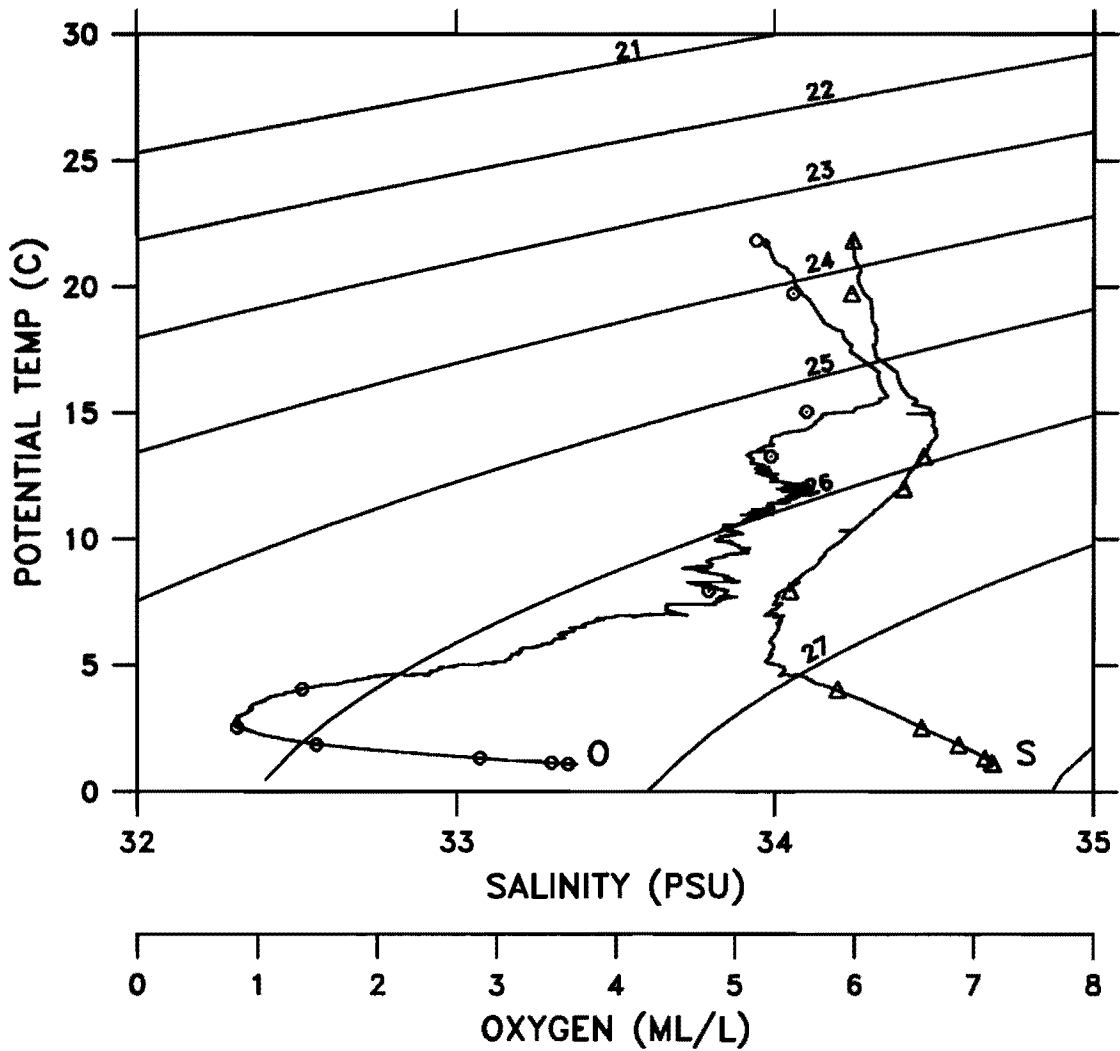


CAST 061-92-VI -044 DATE 04 SEP 92 TIME 1924 GMT  
 LAT 37 30.9N LONG 165 01.1E WEATHER 1 SEA STATE 6  
 BAROMETER 09 WIND DIR 190 T SPD 20 KT VISIBILITY 7  
 CLOUD 6 AMOUNT 6 DRY 23.2 WET 22.2 DEPTH M

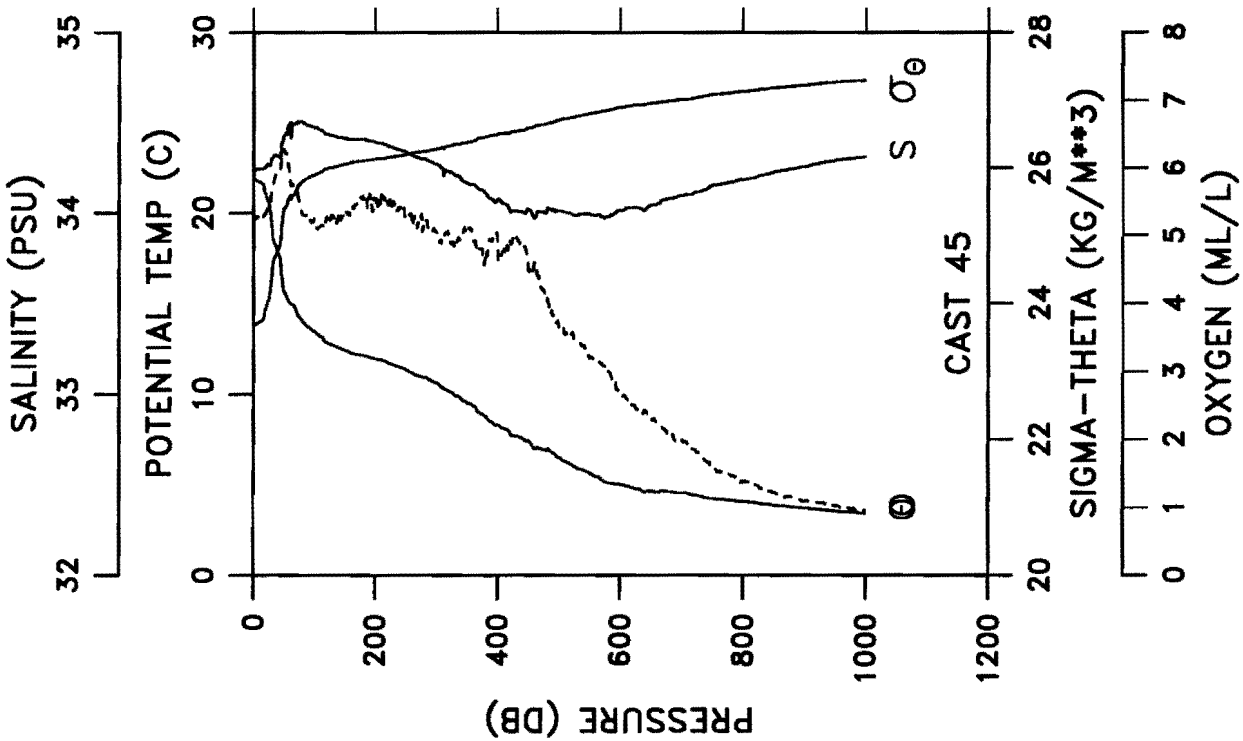


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	21.412	34.272	5.28	23.829	0.000
10	21.413	34.272	5.22	23.829	0.041
20	21.056	34.265	5.27	23.921	0.081
30	19.389	34.368	5.56	24.438	0.118
40	17.658	34.460	5.78	24.943	0.152
50	16.855	34.558	5.86	25.257	0.181
60	16.088	34.574	5.43	25.400	0.207
70	15.284	34.556	5.50	25.573	0.232
80	14.326	34.525	5.24	25.752	0.255
90	14.041	34.515	5.20	25.804	0.278
100	13.798	34.487	5.21	25.841	0.300
110	13.509	34.460	5.23	25.887	0.321
120	13.267	34.462	5.25	25.923	0.342
130	13.058	34.449	5.41	25.955	0.363
140	12.884	34.439	5.08	25.986	0.384
150	12.722	34.433	5.58	26.009	0.404
160	12.620	34.428	5.56	26.026	0.424
170	12.509	34.425	5.57	26.045	0.445
180	12.388	34.421	5.57	26.070	0.464
190	12.269	34.421	5.72	26.089	0.484
200	12.222	34.420	5.72	26.097	0.504
250	11.998	34.402	5.72	26.126	0.601
300	11.527	34.358	5.61	26.180	0.698
350	10.738	34.282	5.28	26.284	0.791
400	9.788	34.201	4.97	26.384	0.880
450	8.877	34.123	4.93	26.451	0.965
500	7.875	34.071	4.35	26.563	1.045
550	6.783	34.027	3.80	26.685	1.119
600	5.854	34.001	3.40	26.781	1.188
650	5.137	34.007	2.95	26.872	1.253
700	4.882	34.046	2.47	26.933	1.313
750	4.536	34.090	2.02	27.006	1.371
800	4.307	34.137	1.70	27.068	1.426
900	3.898	34.211	1.28	27.169	1.527
1000	3.575	34.279	1.01	27.256	1.620
1500	2.488	34.472	0.85	27.509	1.998
2000	1.904	34.574	1.40	27.638	2.295
2500	1.585	34.627	2.11	27.705	2.551
3000	1.363	34.658	2.72	27.746	2.785
3401	1.250	34.673	3.09	27.766	2.966

CAST CG1-92-VI -045 DATE 05 SEP 92 TIME 0357 GMT  
LAT 37 00.9N LONG 164 59.9E

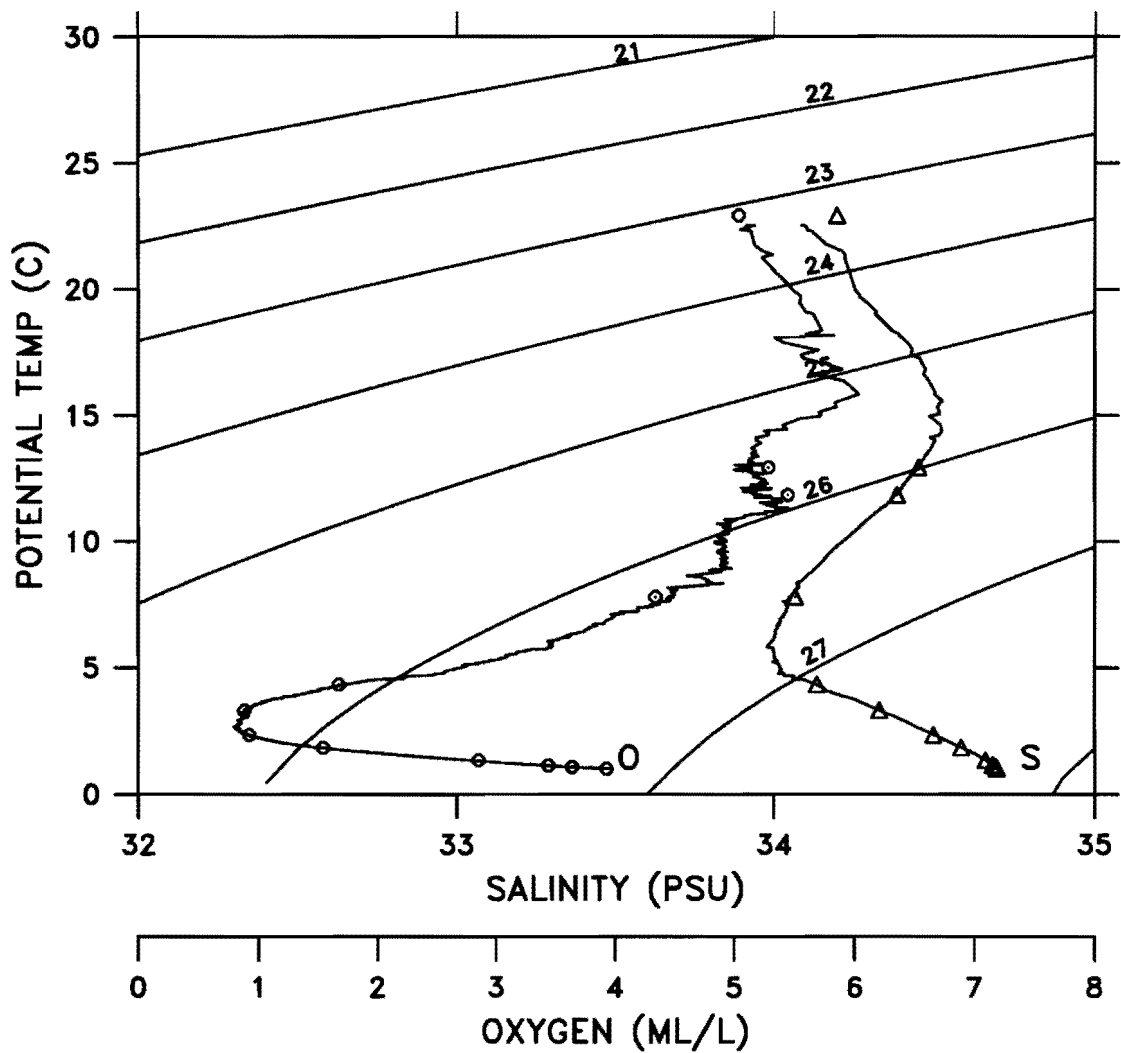


CAST CG1-92-VI -045 DATE 05 SEP 92 TIME 0357 GMT  
 LAT 37 00.9N LONG 164 59.9E WEATHER 1 SEA STATE 5  
 BAROMETER 10 WIND DIR 188 T SPD 17 KT VISIBILITY 7  
 CLOUD 3 AMOUNT 6 DRY 24.3 WET 22.9 DEPTH M



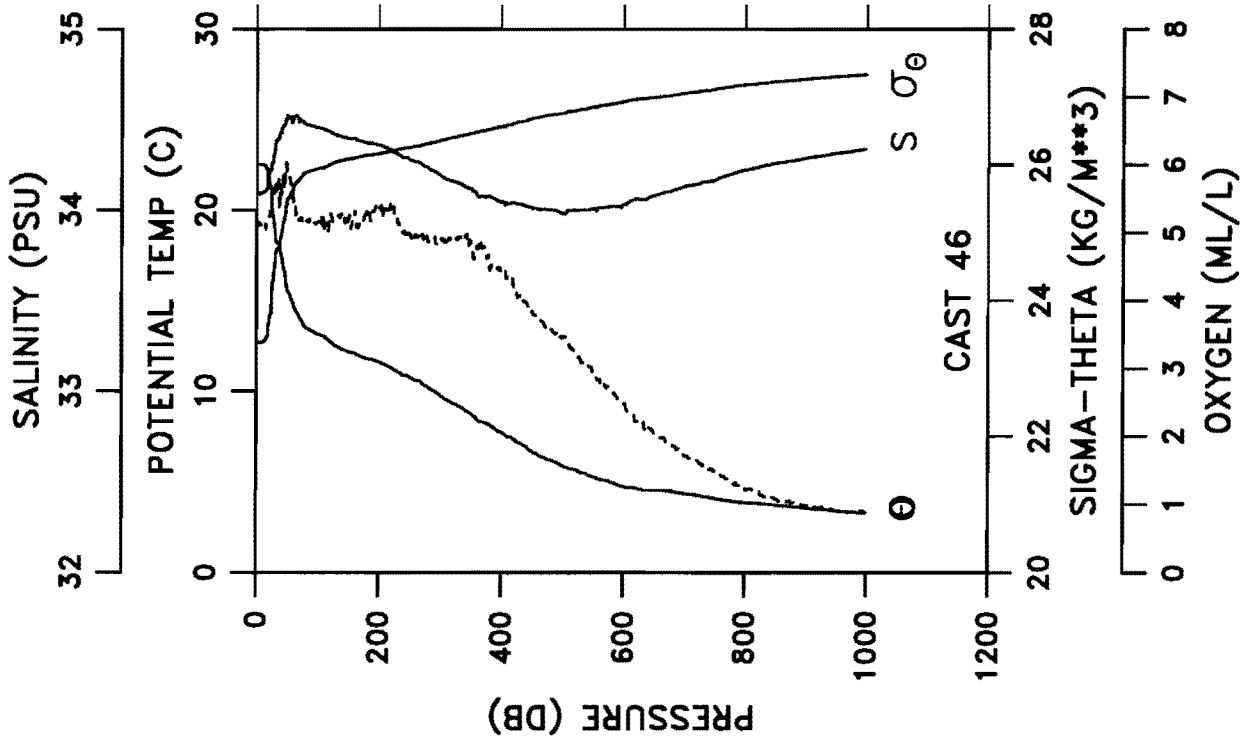
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	21.845	34.245	5.27	23.689	0.000
10	21.709	34.245	5.28	23.727	0.042
20	21.061	34.252	5.32	23.909	0.083
30	19.490	34.302	5.62	24.363	0.121
40	17.868	34.318	5.93	24.783	0.154
50	15.631	34.422	6.28	25.387	0.184
60	15.014	34.497	5.88	25.582	0.209
70	14.634	34.500	5.67	25.667	0.233
80	14.053	34.506	5.32	25.795	0.255
90	13.709	34.483	5.32	25.849	0.277
100	13.487	34.476	5.25	25.889	0.289
110	13.186	34.461	5.14	25.938	0.320
120	12.836	34.437	5.28	25.990	0.340
130	12.703	34.430	5.29	26.010	0.361
140	12.554	34.419	5.36	26.031	0.381
150	12.424	34.415	5.32	26.053	0.401
160	12.280	34.408	5.30	26.076	0.421
170	12.192	34.408	5.47	26.093	0.440
180	12.139	34.409	5.58	26.104	0.460
190	12.048	34.401	5.56	26.115	0.478
200	11.940	34.393	5.54	26.130	0.498
250	11.352	34.338	5.32	26.196	0.594
300	10.625	34.271	5.05	26.275	0.686
350	9.542	34.164	5.11	26.376	0.773
400	8.308	34.075	4.83	26.501	0.856
450	7.422	34.022	4.49	26.590	0.934
500	6.498	34.012	3.67	26.708	1.007
550	5.629	33.995	3.19	26.805	1.075
600	5.011	34.014	2.68	26.892	1.138
650	4.635	34.043	2.37	26.957	1.197
700	4.545	34.097	2.00	27.010	1.254
750	4.231	34.151	1.60	27.087	1.308
800	4.072	34.184	1.37	27.130	1.359
900	3.716	34.224	1.09	27.224	1.454
1000	3.417	34.311	0.95	27.296	1.542
1500	2.386	34.486	0.93	27.529	1.904
2000	1.856	34.580	1.52	27.646	2.192
2500	1.525	34.635	2.28	27.715	2.441
3000	1.329	34.662	2.85	27.751	2.670
3500	1.211	34.676	3.18	27.771	2.891
4000	1.138	34.683	3.47	27.782	3.113
4500	1.089	34.689	3.63	27.789	3.338
4551	1.083	34.690	3.65	27.791	3.361

CAST CG1-92-VI -046 DATE 05 SEP 92 TIME 1307 GMT  
LAT 36 31.8N LONG 165 00.4E



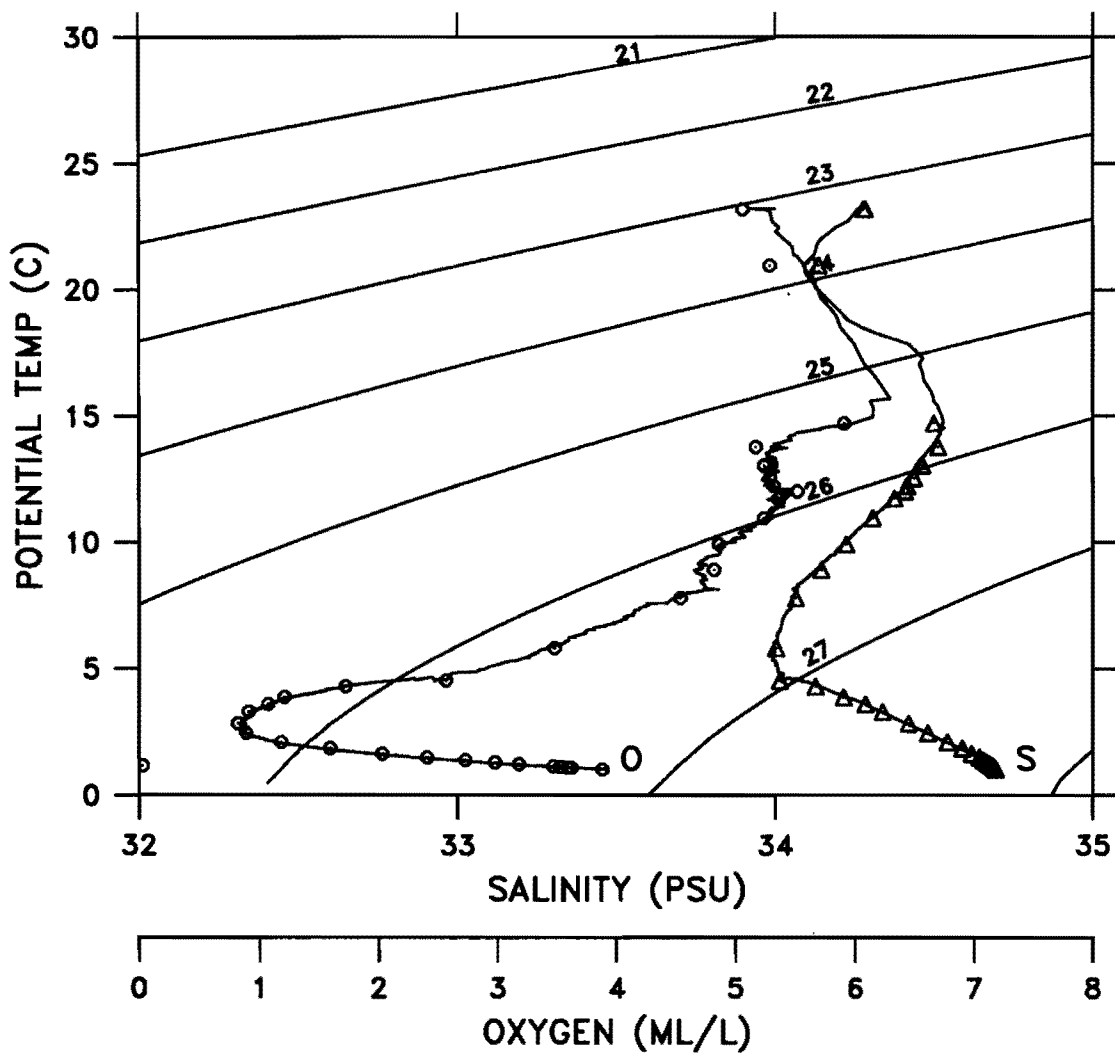


CST CG1-92-V-046 DATE 05 SEP 92 TIME 1307 GMT  
 LAT 36 31.8N LONG 165 00.4E WEATHER 0 SEA STATE 4  
 BAROMETER 12 WIND DIR 182 T SPD 14 KT VISIBILITY 6  
 CLOUD X AMOUNT 0 DRY 23.8 WET 22.7 DEPTH 5574 M

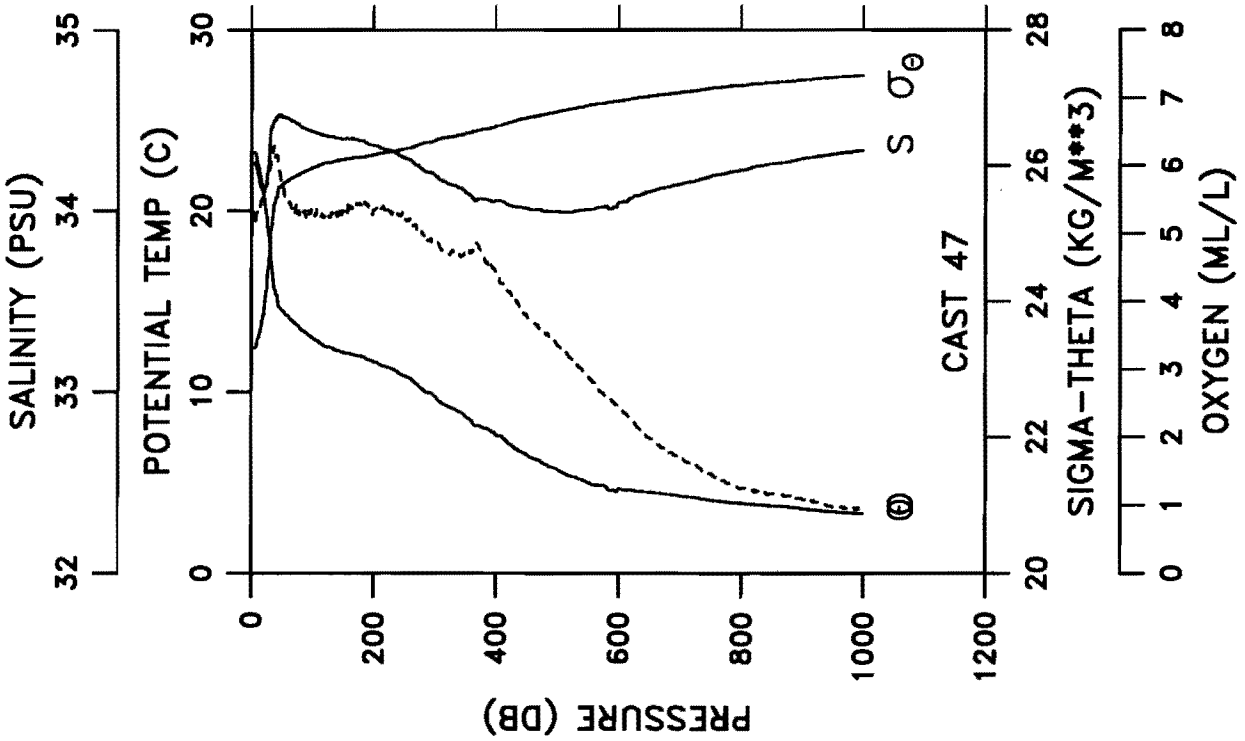


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DTN-M)	DELTA-D (DTN-M)
0	22.532	34.094	5.10	23.382	0.000
10	22.522	34.096	5.18	23.386	0.045
20	21.727	34.173	5.18	23.667	0.089
30	19.028	34.313	5.86	24.490	0.127
40	17.595	34.428	5.71	24.934	0.159
50	15.544	34.526	5.86	25.487	0.187
60	14.740	34.507	5.48	25.649	0.211
70	14.013	34.502	5.18	25.800	0.234
80	13.497	34.478	5.15	25.888	0.256
90	13.313	34.466	5.14	25.917	0.277
100	13.140	34.456	5.15	25.944	0.298
110	13.037	34.445	5.00	25.956	0.319
120	12.727	34.432	5.14	26.008	0.339
130	12.478	34.415	5.25	26.044	0.359
140	12.296	34.406	5.26	26.072	0.379
150	12.170	34.399	5.19	26.091	0.398
160	12.114	34.399	5.32	26.101	0.418
170	11.917	34.382	5.15	26.126	0.437
180	11.800	34.373	5.31	26.140	0.456
190	11.725	34.369	5.32	26.152	0.476
200	11.619	34.360	5.40	26.164	0.494
250	10.779	34.281	4.97	26.256	0.587
300	9.782	34.193	4.93	26.359	0.676
350	8.778	34.119	4.87	26.464	0.759
400	7.758	34.046	4.44	26.563	0.838
450	6.674	34.009	3.85	26.683	0.912
500	5.889	33.982	3.48	26.763	0.980
550	5.291	34.009	2.95	26.856	1.045
600	4.739	34.033	2.49	26.939	1.108
650	4.555	34.079	2.05	26.995	1.163
700	4.339	34.132	1.71	27.061	1.218
750	4.086	34.166	1.49	27.114	1.270
800	3.847	34.223	1.23	27.184	1.318
900	3.534	34.287	0.96	27.266	1.409
1000	3.260	34.337	0.87	27.332	1.493
1500	2.322	34.502	0.92	27.546	1.845
2000	1.808	34.590	1.57	27.658	2.126
2500	1.508	34.638	2.28	27.719	2.571
3000	1.329	34.663	2.81	27.752	2.599
3500	1.212	34.677	3.14	27.771	2.820
4000	1.143	34.683	3.39	27.781	3.042
4500	1.098	34.689	3.51	27.789	3.267
5000	1.078	34.689	3.63	27.791	3.501
5628	1.007	34.685	3.91	27.800	3.804

CAST CG1-92-VI -047 DATE 05 SEP 92 TIME 2136 GMT  
LAT 36 00.8N LONG 165 00.5E

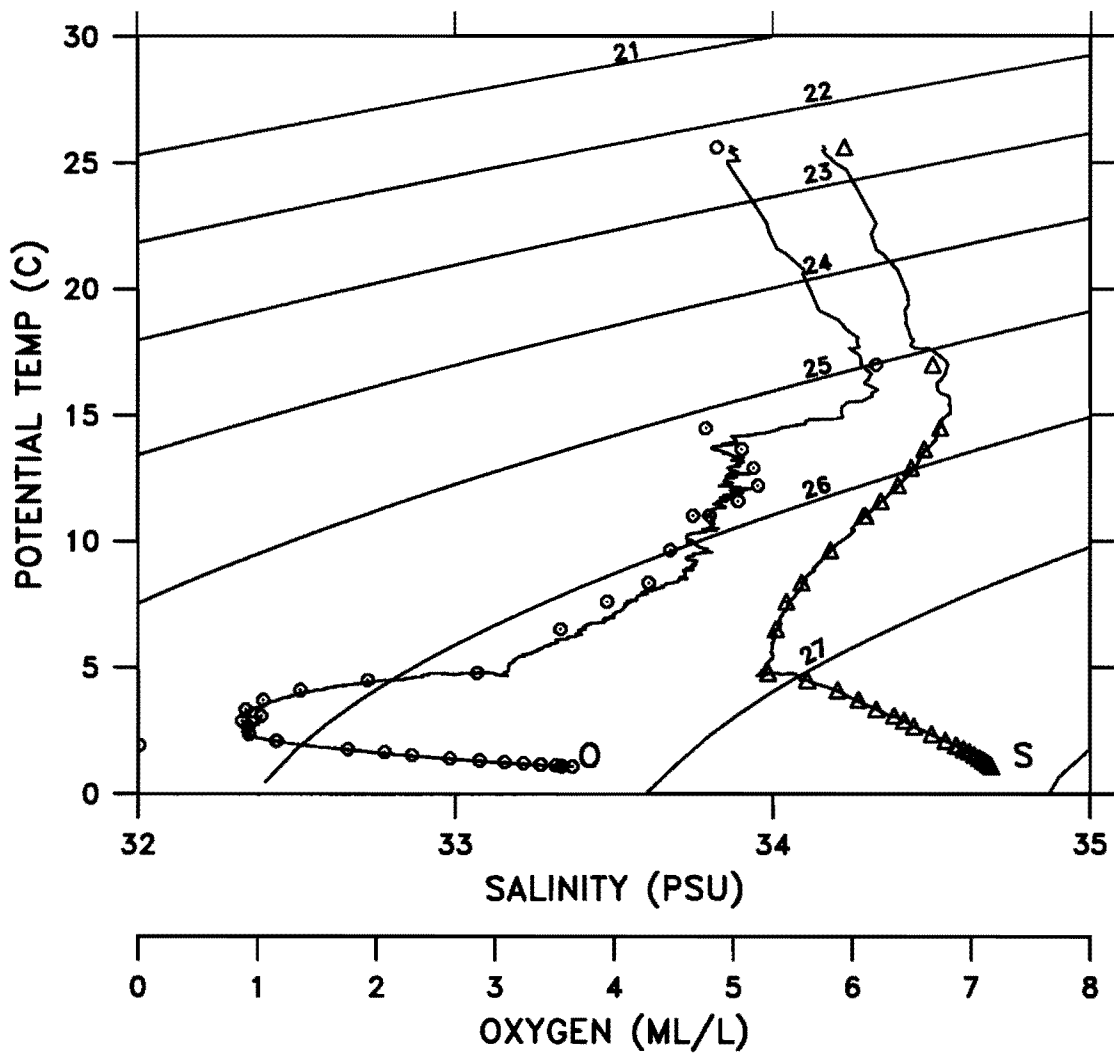


CAST CG1-92-VI-047 DATE 05 SEP 92 TIME 2136 GMT  
 LAT 36 00.8N LONG 165 00.5E WEATHER 0 SEA STATE 4  
 BAROMETER 15 WIND DIR 232 T SPD 12 KT VISIBILITY 8  
 CLOUD 8 AMOUNT 1 DRY 25.3 WET 23.7 DEPTH 5501 M

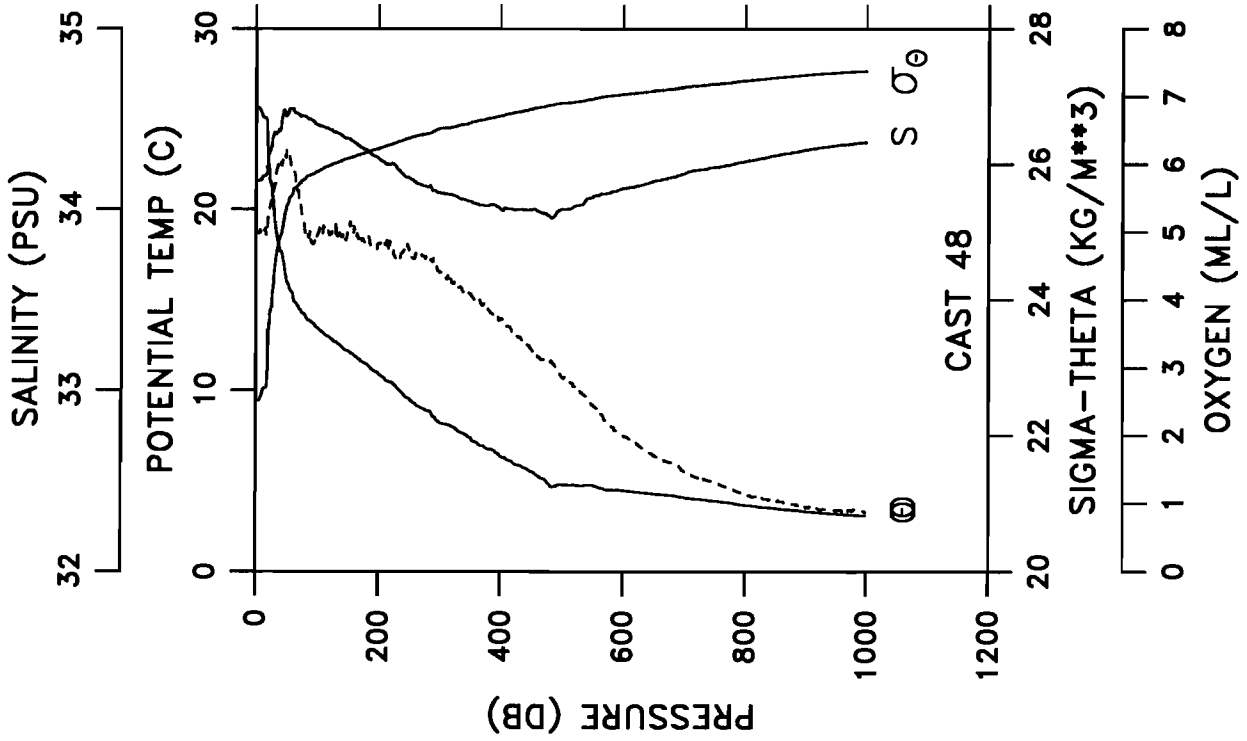


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.215	34.262	5.33	23.313	0.000
10	22.652	34.218	5.32	23.442	0.045
20	20.967	34.088	5.58	23.810	0.088
30	18.282	34.316	5.92	24.680	0.125
40	15.361	34.514	6.15	25.518	0.152
50	14.511	34.527	5.71	25.714	0.176
60	14.203	34.513	5.45	25.769	0.199
70	13.824	34.495	5.33	25.834	0.221
80	13.476	34.472	5.28	25.888	0.242
90	13.248	34.454	5.24	25.921	0.263
100	12.974	34.440	5.34	25.965	0.284
110	12.747	34.428	5.34	26.001	0.304
120	12.508	34.415	5.25	26.037	0.324
130	12.445	34.412	5.26	26.048	0.344
140	12.270	34.403	5.24	26.074	0.364
150	12.166	34.400	5.35	26.092	0.384
160	12.102	34.399	5.36	26.104	0.403
170	12.019	34.395	5.45	26.116	0.422
180	11.943	34.388	5.44	26.126	0.442
190	11.807	34.372	5.43	26.138	0.461
200	11.656	34.362	5.34	26.159	0.480
250	10.884	34.293	5.23	26.247	0.573
300	9.745	34.197	4.87	26.368	0.661
350	8.650	34.105	4.75	26.473	0.744
400	7.617	34.053	4.44	26.586	0.823
450	6.530	34.015	3.77	26.706	0.895
500	5.722	33.996	3.36	26.794	0.963
550	4.991	34.007	2.80	26.889	1.026
600	4.634	34.045	2.43	26.959	1.085
650	4.462	34.105	1.99	27.026	1.141
700	4.257	34.147	1.69	27.081	1.194
750	4.020	34.191	1.46	27.141	1.245
800	3.863	34.224	1.25	27.183	1.283
900	3.548	34.289	1.08	27.266	1.384
1000	3.283	34.334	0.84	27.327	1.469
1500	2.337	34.498	0.93	27.542	1.819
2000	1.843	34.583	1.49	27.650	2.102
2500	1.527	34.632	2.20	27.713	2.350
3000	1.343	34.657	2.73	27.746	2.582
3500	1.220	34.673	3.06	27.767	2.806
4000	1.151	34.680	3.33	27.778	3.029
4500	1.101	34.685	3.52	27.785	3.256
5000	1.080	34.687	3.61	27.788	3.491
5594	1.019	34.690	3.93	27.795	3.781

CAST CG1-92-VI -048 DATE 06 SEP 92 TIME 0646 GMT  
LAT 35 21.6N LONG 165 00.7E

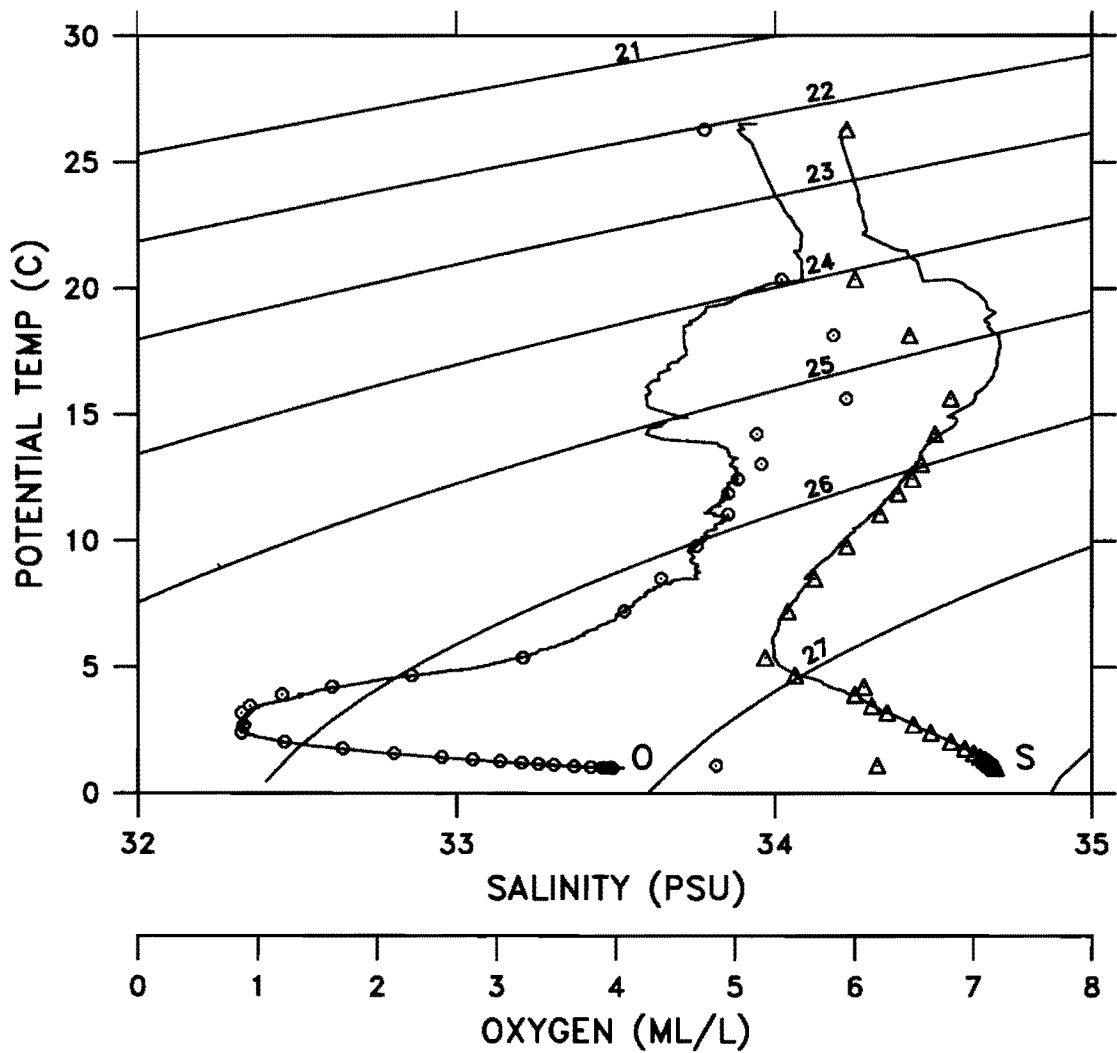


CAST CG1-92-VI -048 DATE 06 SEP 92 TIME 0646 GMT  
 LAT 35 21.6N LONG 165 00.7E WEATHER 0 SEA STATE 3  
 BAROMETER 15 WIND DIR 148 T SPD 15 KT VISIBILITY 7  
 CLOUD X AMOUNT 0 DRY 25.5 WET 24.5 DEPTH M

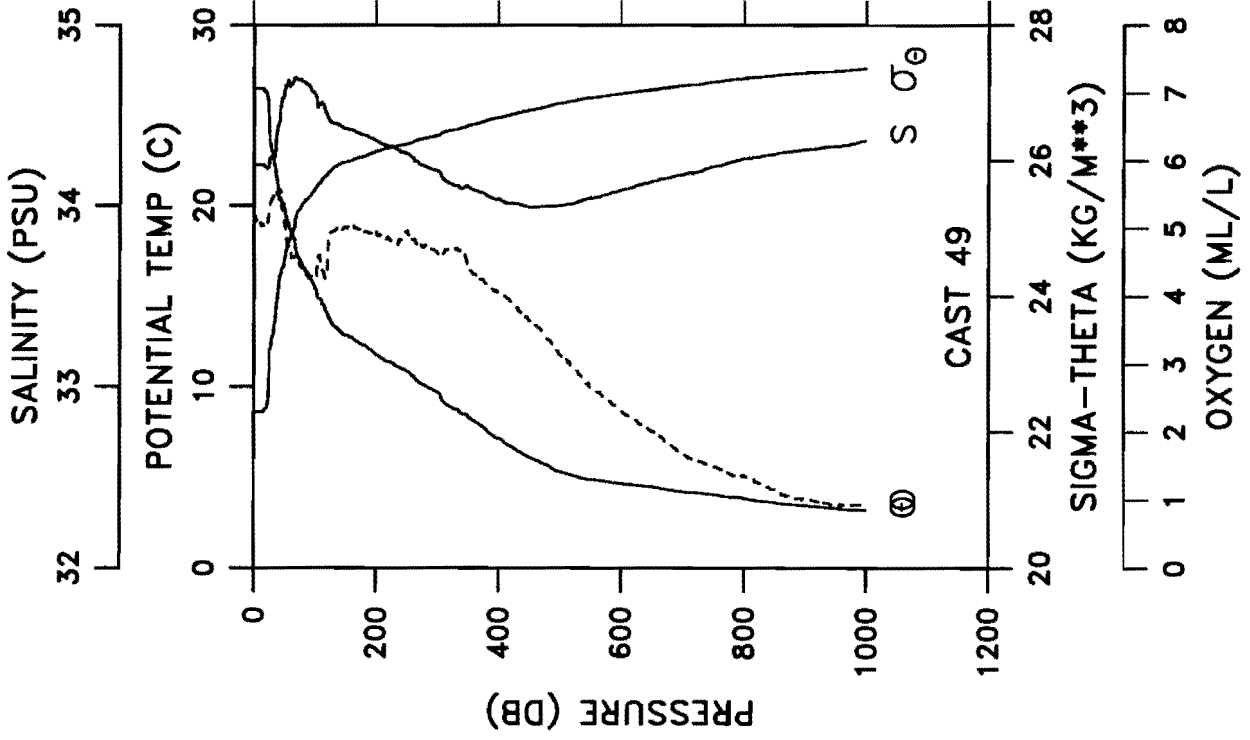


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D
0	25.639	34.160	4.98	22.513	0.000
10	25.265	34.171	5.03	22.636	0.053
20	22.590	34.325	5.29	23.540	0.104
30	19.792	34.425	5.67	24.379	0.144
40	17.683	34.442	6.06	24.923	0.176
50	16.001	34.520	6.21	25.379	0.205
60	15.320	34.559	5.91	25.562	0.230
70	14.511	34.524	5.42	25.712	0.253
80	14.142	34.517	4.98	25.785	0.276
90	13.769	34.497	4.86	25.847	0.298
100	13.461	34.470	4.94	25.890	0.319
110	13.168	34.458	5.08	25.940	0.340
120	12.917	34.446	4.95	25.981	0.361
130	12.679	34.429	5.16	26.015	0.381
140	12.380	34.408	4.92	26.057	0.401
150	12.166	34.393	5.01	26.087	0.421
160	11.924	34.371	5.08	26.116	0.440
170	11.703	34.350	4.96	26.141	0.459
180	11.455	34.332	4.89	26.173	0.478
190	11.132	34.301	4.81	26.208	0.497
200	10.958	34.284	4.82	26.226	0.515
250	9.548	34.177	4.76	26.385	0.603
300	8.224	34.093	4.40	26.529	0.684
350	7.413	34.047	4.09	26.611	0.760
400	6.363	34.000	3.71	26.716	0.831
450	5.541	33.996	3.29	26.816	0.898
500	4.784	34.001	2.85	26.908	0.959
550	4.754	34.066	2.45	26.962	1.018
600	4.463	34.116	2.01	27.034	1.073
650	4.269	34.157	1.71	27.088	1.126
700	4.083	34.199	1.48	27.141	1.176
750	3.882	34.234	1.30	27.189	1.224
800	3.654	34.267	1.13	27.238	1.270
900	3.309	34.332	0.95	27.323	1.355
1000	3.072	34.375	0.87	27.379	1.434
1500	2.220	34.521	1.00	27.570	1.766
2000	1.773	34.600	1.68	27.669	2.037
2500	1.492	34.641	2.35	27.723	2.278
3000	1.328	34.663	2.78	27.752	2.505
3500	1.222	34.675	3.07	27.769	2.728
4000	1.152	34.682	3.31	27.780	2.951
4500	1.103	34.686	3.53	27.786	3.178
4710	1.083	34.689	3.59	27.790	3.275

CAST CG1-92-VI -049 DATE 06 SEP 92 TIME 1548 GMT  
LAT 34 42.0N LONG 165 03.2E

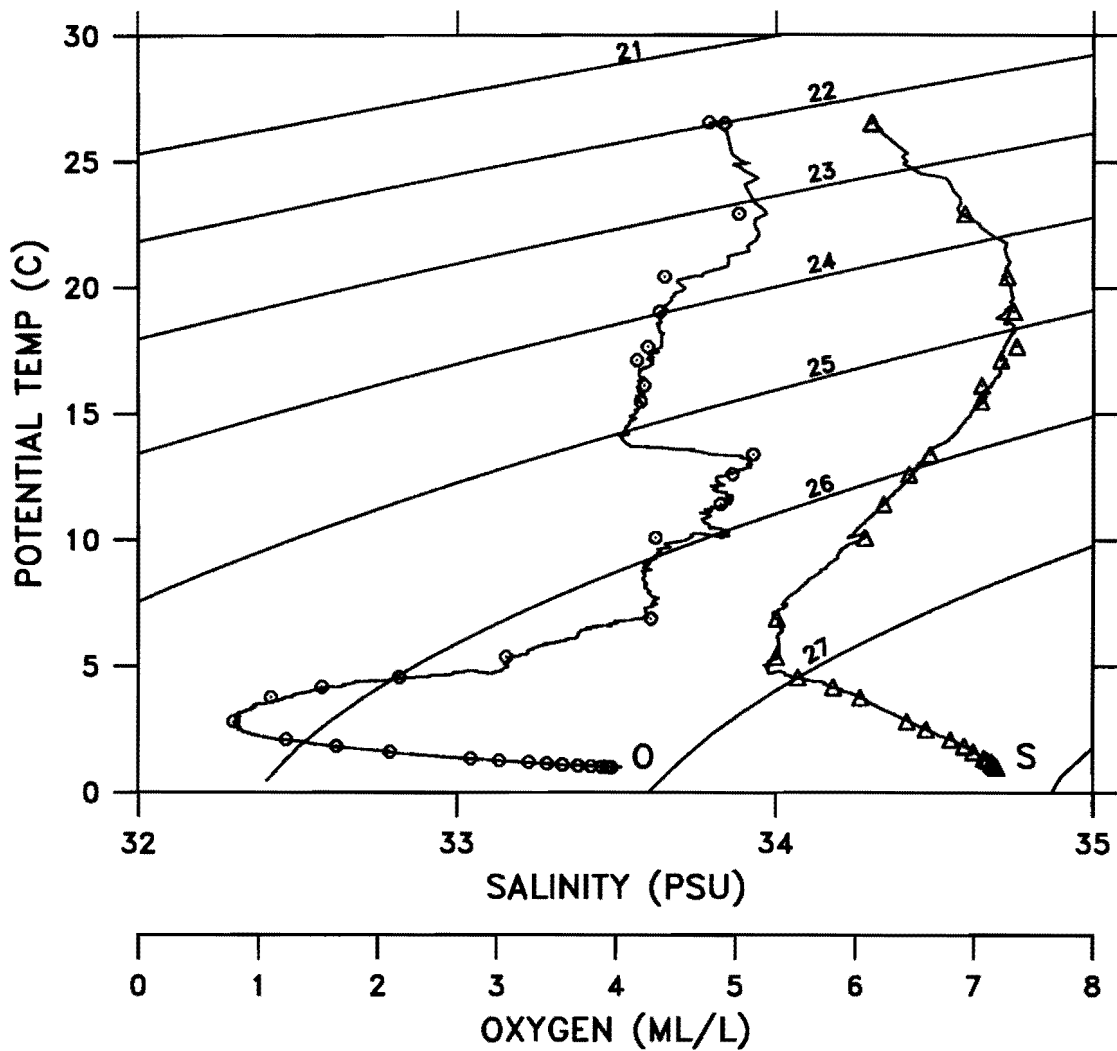


CAST CG1-92-M -049 DATE 06 SEP 92 TIME 1548 GMT  
 LAT 34 42.0N LONG 165 03.2E WEATHER 1 SEA STATE 4  
 BAROMETER 15 WIND DIR 145 T SPD 20 KT VISIBILITY 8  
 CLOUD 8 AMOUNT 2 DRY 25.0 WET 23.0 DEPTH M



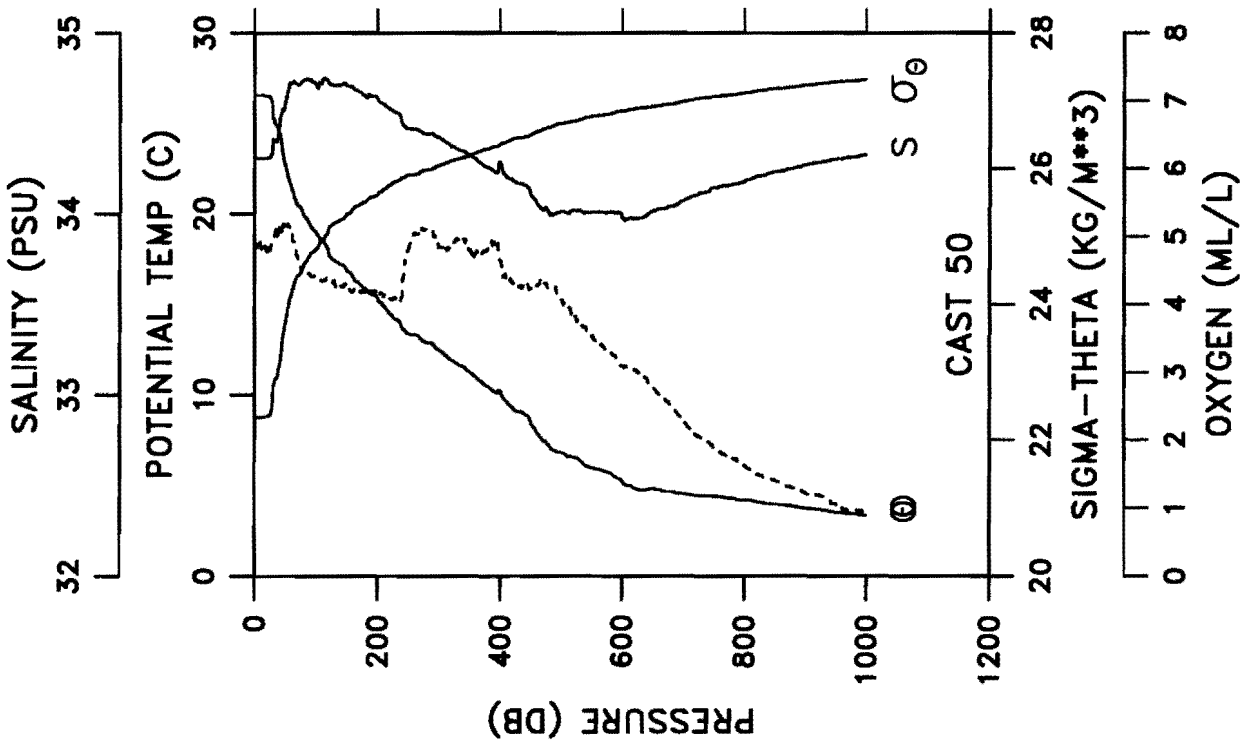
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.511	34.228	5.17	22.293	0.000
10	26.508	34.228	5.08	22.294	0.055
20	26.300	34.213	5.05	22.348	0.111
30	23.003	34.278	5.42	23.366	0.161
40	21.079	34.446	5.55	24.052	0.203
50	19.816	34.639	5.07	24.536	0.239
60	18.646	34.672	4.62	24.861	0.271
70	17.373	34.704	4.59	25.199	0.301
80	16.632	34.688	4.36	25.363	0.328
90	16.171	34.667	4.27	25.453	0.354
100	15.483	34.625	4.26	25.577	0.379
110	14.821	34.570	4.48	25.681	0.403
120	14.047	34.500	4.38	25.792	0.425
130	13.367	34.458	4.95	25.900	0.447
140	13.097	34.447	4.98	25.946	0.468
150	12.843	34.429	5.02	25.982	0.489
160	12.734	34.424	5.01	26.000	0.509
170	12.461	34.406	4.99	26.040	0.530
180	12.280	34.393	4.95	26.064	0.550
190	12.047	34.378	4.93	26.098	0.569
200	11.773	34.361	4.95	26.137	0.589
250	10.869	34.289	4.93	26.246	0.682
300	9.703	34.194	4.62	26.373	0.770
350	8.374	34.108	4.47	26.517	0.851
400	7.169	34.039	4.04	26.639	0.927
450	6.105	33.991	3.63	26.742	0.997
500	5.321	33.999	3.14	26.845	1.063
550	4.866	34.041	2.64	26.930	1.123
600	4.649	34.085	2.31	26.989	1.181
650	4.479	34.133	2.02	27.046	1.236
700	4.202	34.173	1.67	27.108	1.288
750	4.046	34.218	1.48	27.159	1.338
800	3.834	34.264	1.37	27.217	1.385
900	3.446	34.311	1.00	27.293	1.472
1000	3.164	34.362	0.91	27.361	1.554
1500	2.249	34.518	0.99	27.566	1.892
2000	1.775	34.599	1.67	27.668	2.164
2500	1.477	34.643	2.34	27.725	2.404
3000	1.315	34.663	2.81	27.753	2.630
3500	1.213	34.675	3.10	27.770	2.851
4000	1.145	34.682	3.37	27.780	3.073
4500	1.089	34.687	3.57	27.788	3.300
5000	1.045	34.690	3.77	27.793	3.531
5849	0.999	34.692	4.02	27.798	3.842

CAST CG1-92-VI -050 DATE 07 SEP 92 TIME 0224 GMT  
LAT 34 02.5N LONG 165 03.2E



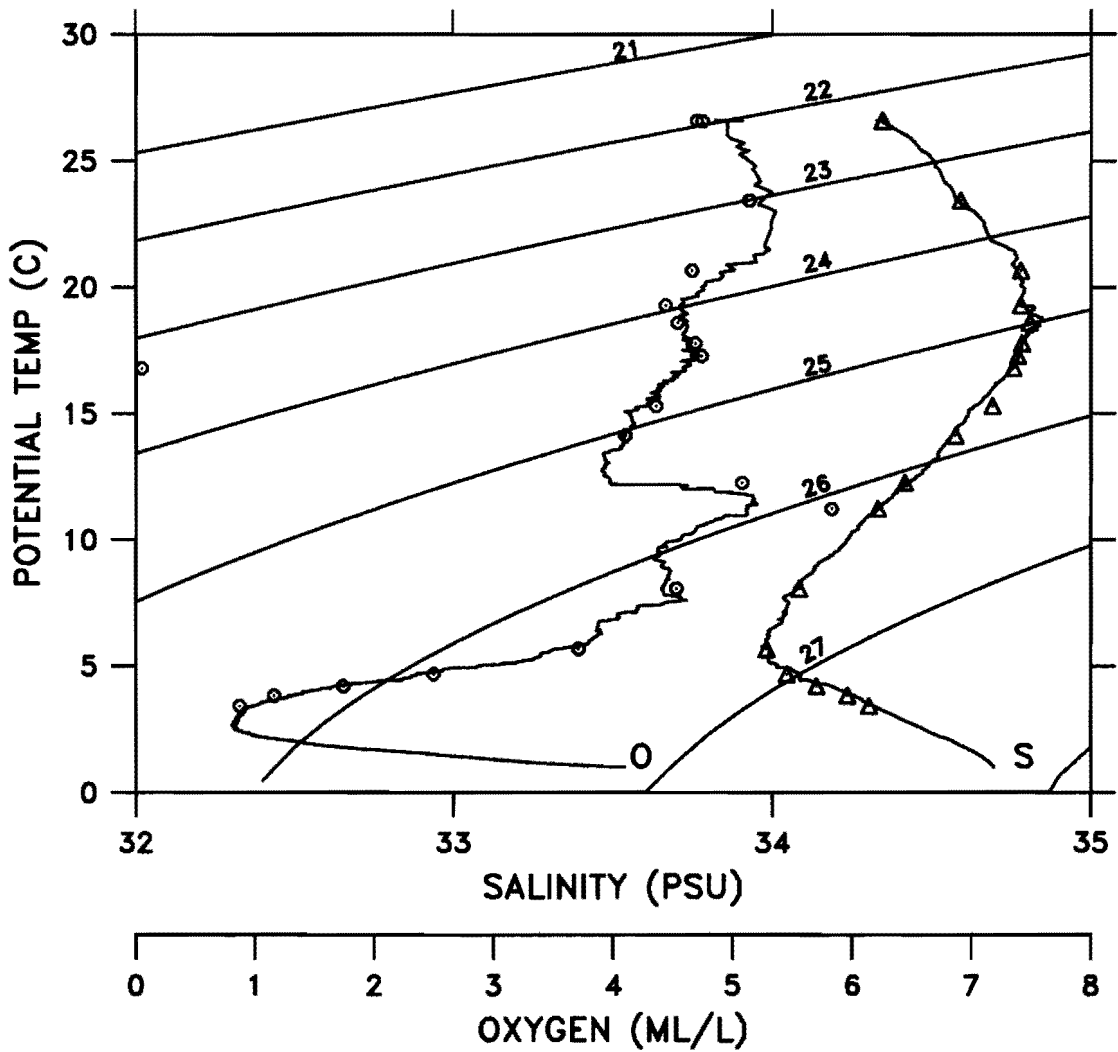


CAST 50-92-VI -050 DATE 07 SEP 92 TIME 0224 GMT  
 LAT 34.025N LONG 165.032E WEATHER 1 SEA STATE 4  
 BAROMETER 14 WIND DIR 129 T SPD 15 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 3 DRY 28.3 WET 23.6 DEPTH M

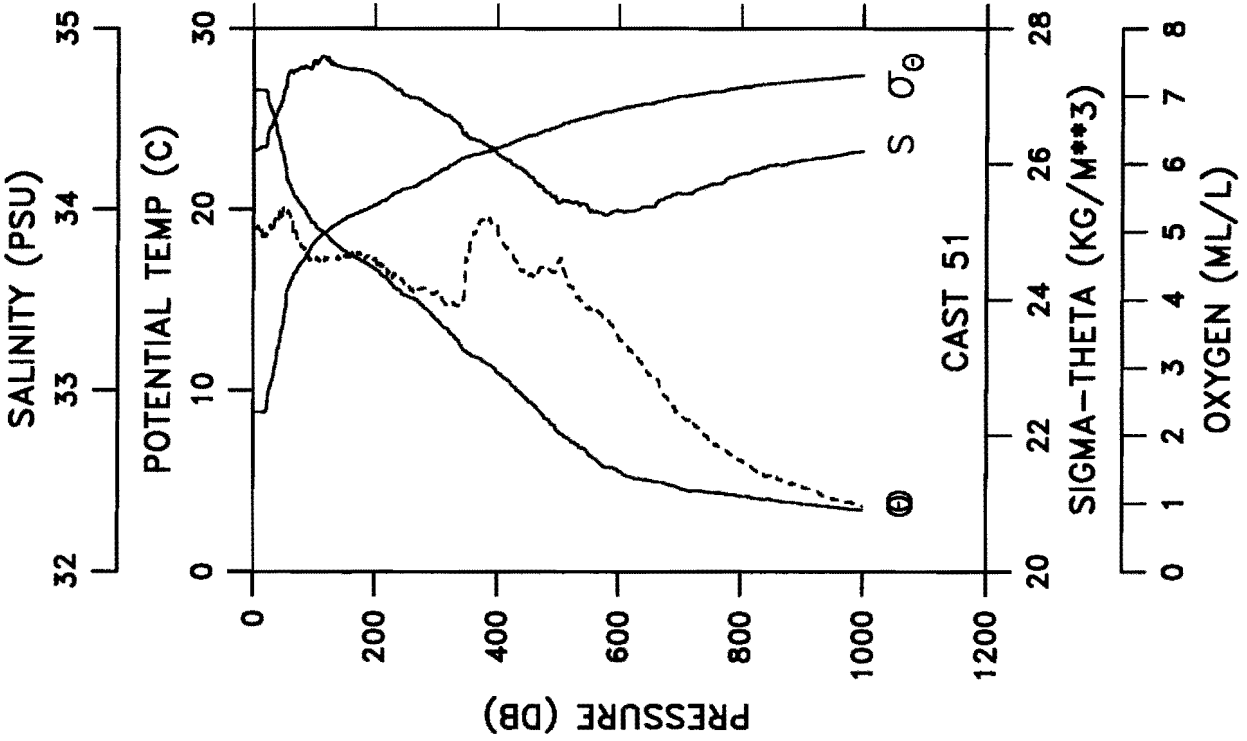


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	26.584	34.308	4.85	22.330	0.000
10	26.574	34.308	4.87	22.334	0.055
20	26.534	34.309	4.77	22.347	0.110
30	25.333	34.412	4.96	22.788	0.164
40	24.515	34.459	5.12	23.080	0.214
50	22.745	34.612	5.16	23.714	0.258
60	21.460	34.723	5.11	24.159	0.298
70	20.462	34.715	4.72	24.423	0.334
80	19.980	34.740	4.57	24.570	0.369
90	19.463	34.739	4.45	24.704	0.402
100	18.984	34.719	4.38	24.811	0.434
110	18.598	34.739	4.34	24.924	0.465
120	17.903	34.731	4.38	25.091	0.495
130	17.406	34.712	4.32	25.197	0.524
140	17.204	34.713	4.27	25.246	0.551
150	16.853	34.711	4.26	25.328	0.579
160	16.488	34.700	4.19	25.405	0.606
170	16.191	34.678	4.19	25.457	0.631
180	15.866	34.650	4.18	25.510	0.657
190	15.562	34.651	4.18	25.579	0.682
200	15.374	34.641	4.24	25.613	0.706
250	13.381	34.472	4.81	25.907	0.820
300	12.503	34.424	4.84	26.045	0.925
350	11.271	34.324	4.79	26.200	1.023
400	10.210	34.286	4.62	26.359	1.114
450	8.427	34.102	4.22	26.504	1.198
500	6.801	34.013	4.07	26.668	1.273
550	5.966	34.009	3.53	26.774	1.343
600	5.183	33.975	3.09	26.842	1.408
650	4.816	34.017	2.79	26.917	1.469
700	4.541	34.073	2.30	26.992	1.528
750	4.394	34.146	1.89	27.065	1.582
800	4.171	34.178	1.63	27.115	1.635
850	3.742	34.271	1.22	27.233	1.731
900	3.343	34.329	0.95	27.317	1.817
1000	2.303	34.509	0.94	27.554	2.168
1500	1.821	34.595	1.61	27.661	2.445
2000	1.493	34.642	2.31	27.723	2.687
2500	1.317	34.665	2.82	27.754	2.913
3000	1.213	34.675	3.15	27.770	3.133
3500	1.147	34.684	3.37	27.781	3.355
4000	1.094	34.686	3.58	27.787	3.581
4500	1.048	34.690	3.77	27.793	3.813
5000	0.997	34.694	4.03	27.800	4.174
5751					

CAST CG1-92-VI -051 DATE 07 SEP 92 TIME 1454 GMT  
LAT 33 22.6N LONG 165 00.9E

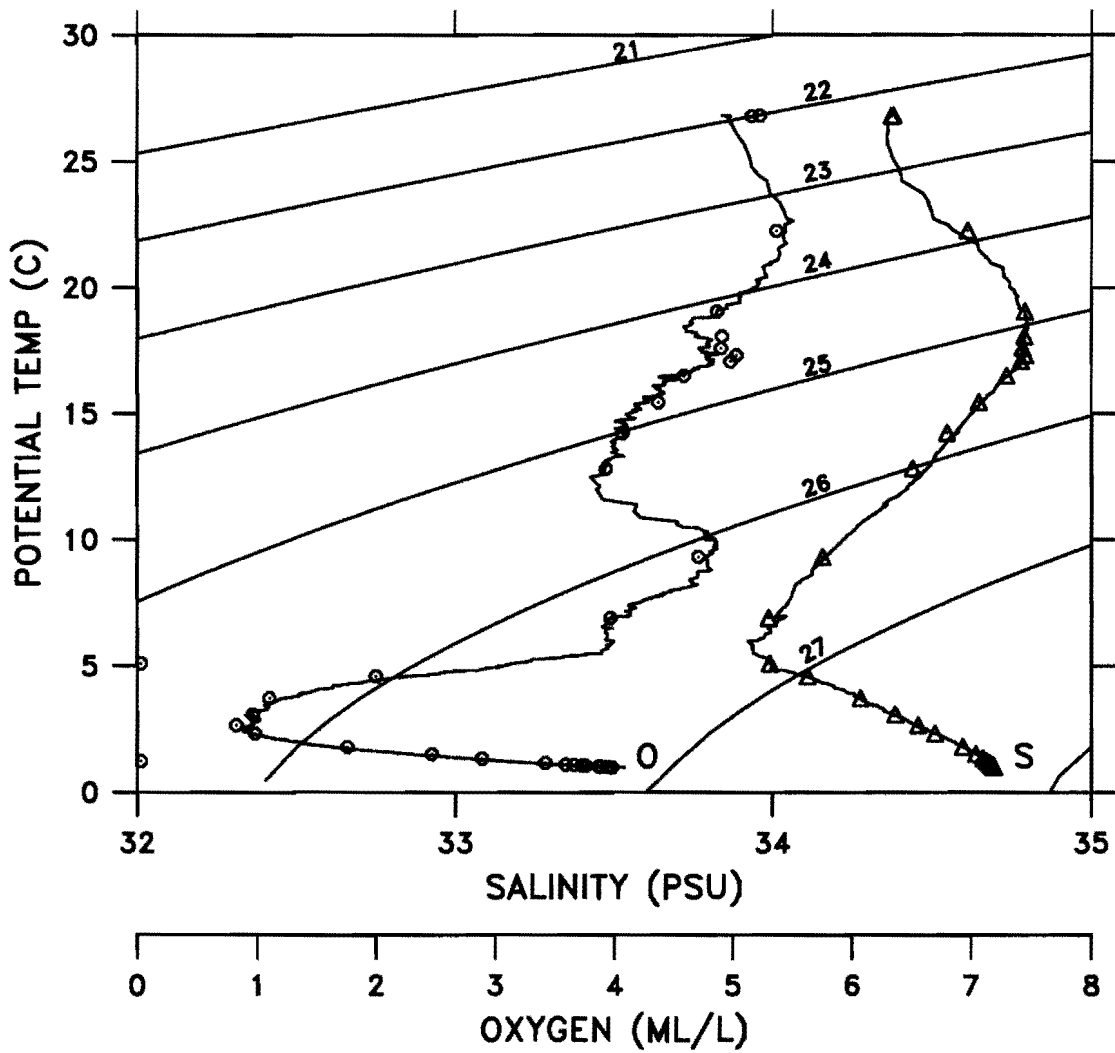


CST CG1-92-VI -051 DATE 07 SEP 92 TIME 1454 GMT  
 LAT 33 22.6N LONG 165 00.9E WEATHER 1 SEA STATE 4  
 BAROMETER 13 WIND DIR 118 T SPD 14 KT VISIBILITY 7  
 CLOUD 6 AMOUNT 3 DRY 26.1 WET 24.1 DEPTH 6288 M

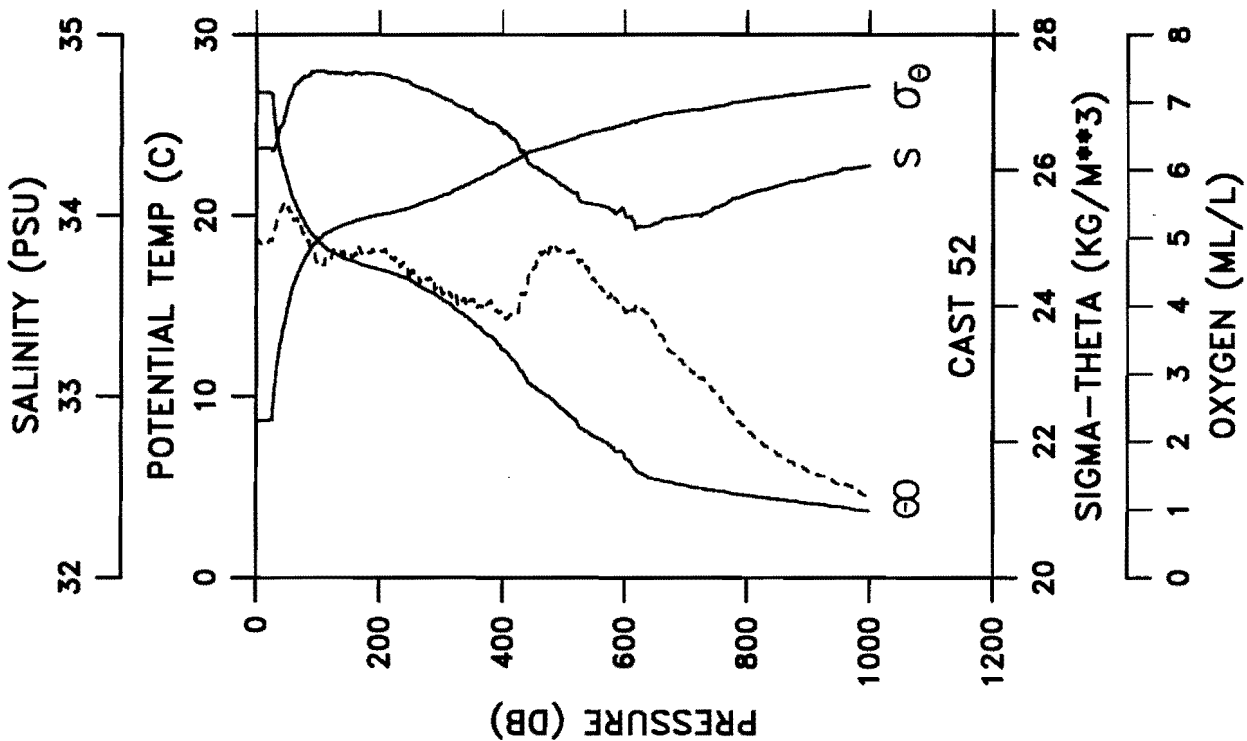


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	26.582	34.328	5.05	22.346	0.000
10	26.598	34.334	4.95	22.346	0.055
20	26.588	34.346	4.93	22.358	0.110
30	25.459	34.466	5.08	22.800	0.162
40	24.089	34.548	5.20	23.274	0.211
50	22.792	34.649	5.34	23.729	0.255
60	21.323	34.762	5.26	24.226	0.294
70	20.659	34.768	4.99	24.410	0.330
80	20.149	34.784	4.77	24.559	0.365
90	19.657	34.783	4.71	24.887	0.398
100	19.222	34.822	4.58	24.830	0.430
110	18.836	34.833	4.55	24.936	0.461
120	18.590	34.833	4.59	24.998	0.491
130	18.198	34.800	4.60	25.071	0.521
140	17.917	34.792	4.58	25.134	0.550
150	17.688	34.783	4.65	25.184	0.578
160	17.434	34.773	4.65	25.237	0.606
170	17.274	34.773	4.73	25.276	0.634
180	17.122	34.789	4.65	25.309	0.661
190	16.908	34.761	4.65	25.354	0.688
200	16.690	34.746	4.61	25.393	0.715
250	15.241	34.630	4.19	25.634	0.841
300	13.911	34.548	4.11	25.858	0.958
350	12.109	34.405	4.57	26.108	1.063
400	10.968	34.302	5.11	26.238	1.160
450	9.476	34.195	4.39	26.411	1.249
500	7.732	34.035	4.56	26.555	1.331
550	6.516	34.003	3.86	26.699	1.405
600	5.543	33.991	3.44	26.811	1.473
650	5.029	34.015	2.88	26.891	1.536
700	4.589	34.089	2.32	26.999	1.594
750	4.340	34.135	1.94	27.063	1.649
800	4.141	34.194	1.64	27.130	1.701
900	3.727	34.272	1.25	27.234	1.796
1000	3.393	34.321	0.96	27.307	1.884
1500	2.298	34.508	0.96	27.554	2.238
2000	1.812	34.599	1.67	27.665	2.516
2500	1.518	34.645	2.47	27.724	2.758
3000	1.362	34.663	2.85	27.750	2.985
3500	1.251	34.674	3.10	27.766	3.210
4000	1.174	34.682	3.32	27.778	3.435
4500	1.110	34.687	3.52	27.786	3.663
5000	1.063	34.690	3.72	27.792	3.896
5949	0.993	34.694	4.03	27.800	4.358

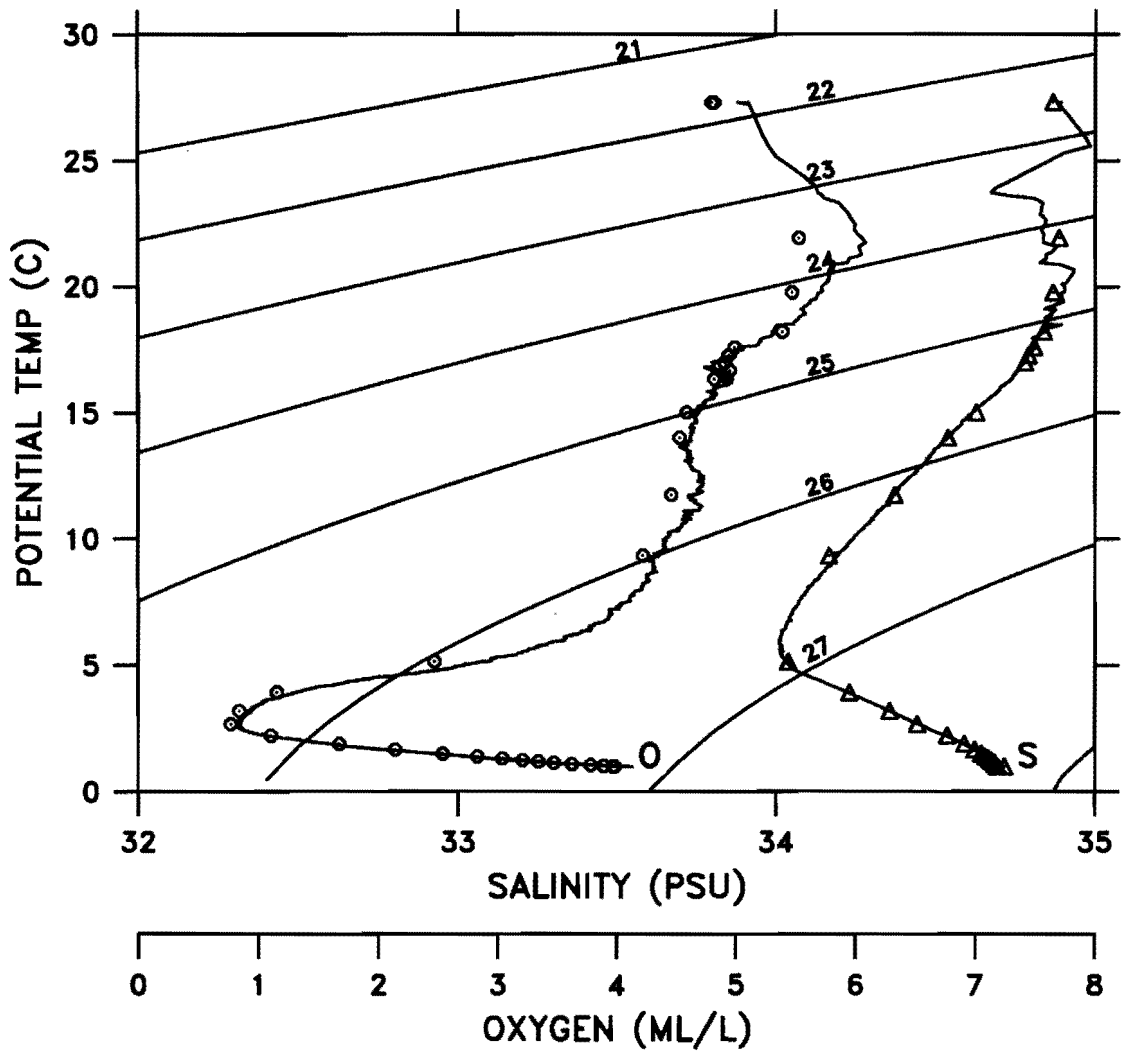
CAST CG1-92-VI -052 DATE 08 SEP 92 TIME 0153 GMT  
LAT 32 41.9N LONG 165 01.5E



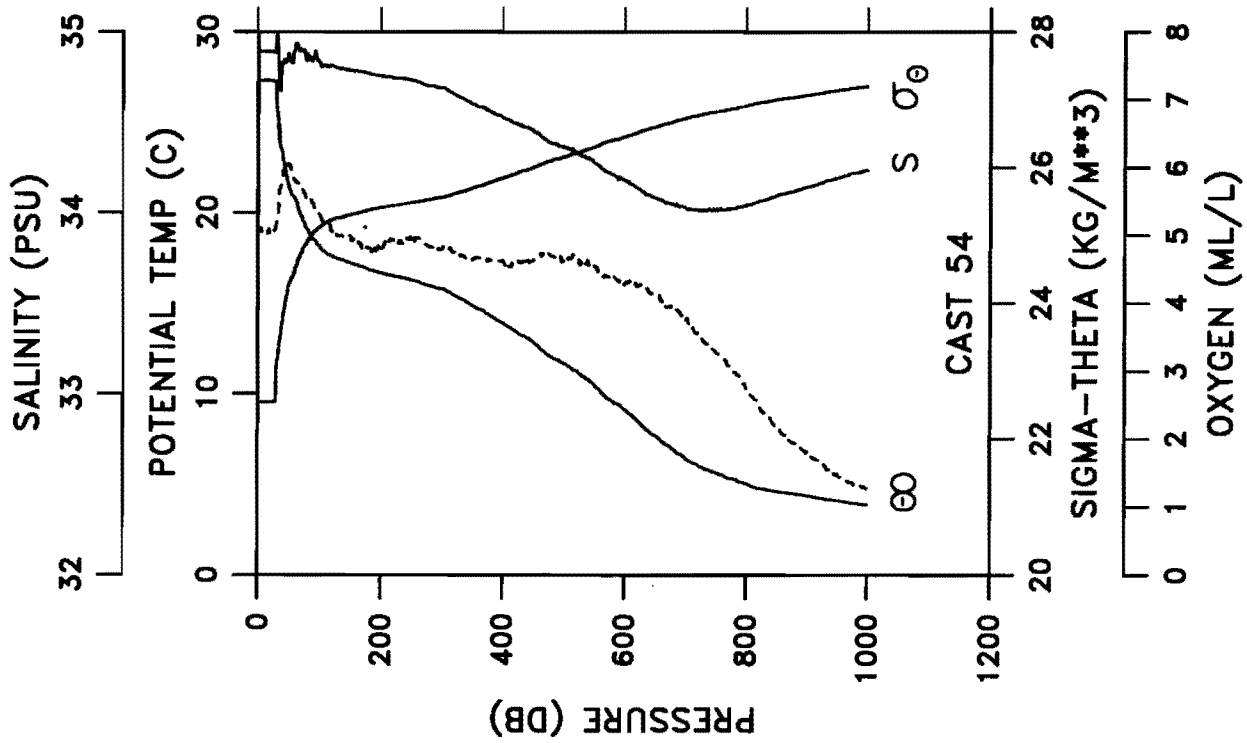
CAST C61-92-V --052 DATE 08 SEP 92 TIME 0153 GMT  
 LAT 32 41.9N LONG 165 01.5E WEATHER 1 SEA STATE 4  
 BAROMETER 14 WIND DIR 128 T SPD 16 KT VISIBILITY 7  
 CLOUD 1 AMOUNT 7 DRY 27.5 WET 25.0 DEPTH 6247 M



CAST CG1-92-VI -054 DATE 09 SEP 92 TIME 1322 GMT  
LAT 31 19.6N LONG 164 59.1E

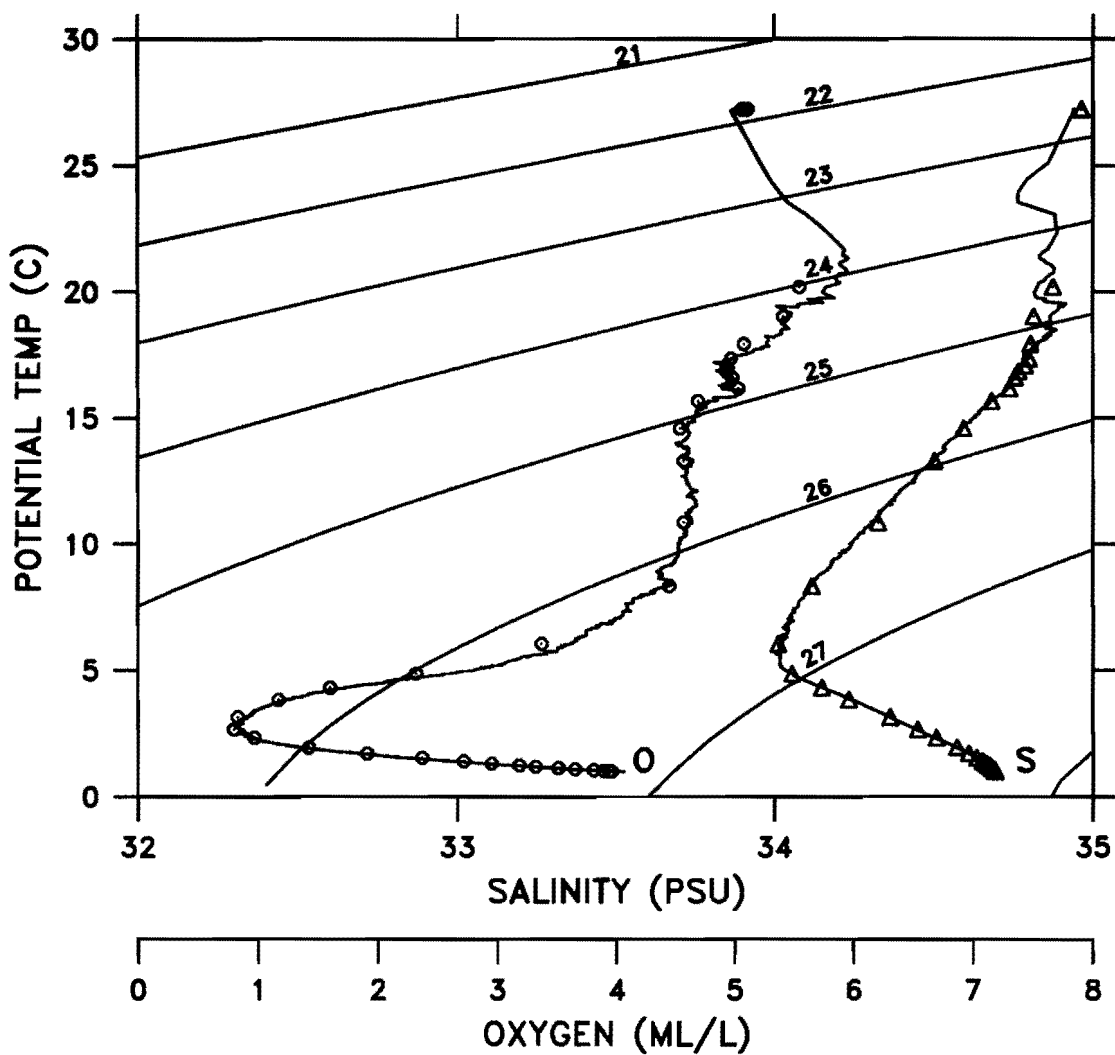


CAST 01-92-VI-054 DATE 09 SEP 92 TIME 1322 GMT  
 LAT 31 19.8N LONG 164 59.1E WEATHER 1 SEA STATE 4  
 BAROMETER 14 WIND DIR 090 T SPD 17 KT VISIBILITY 8  
 CLOUD 8 AMOUNT 4 DRY 25.9 WET 23.3 DEPTH 6053 M



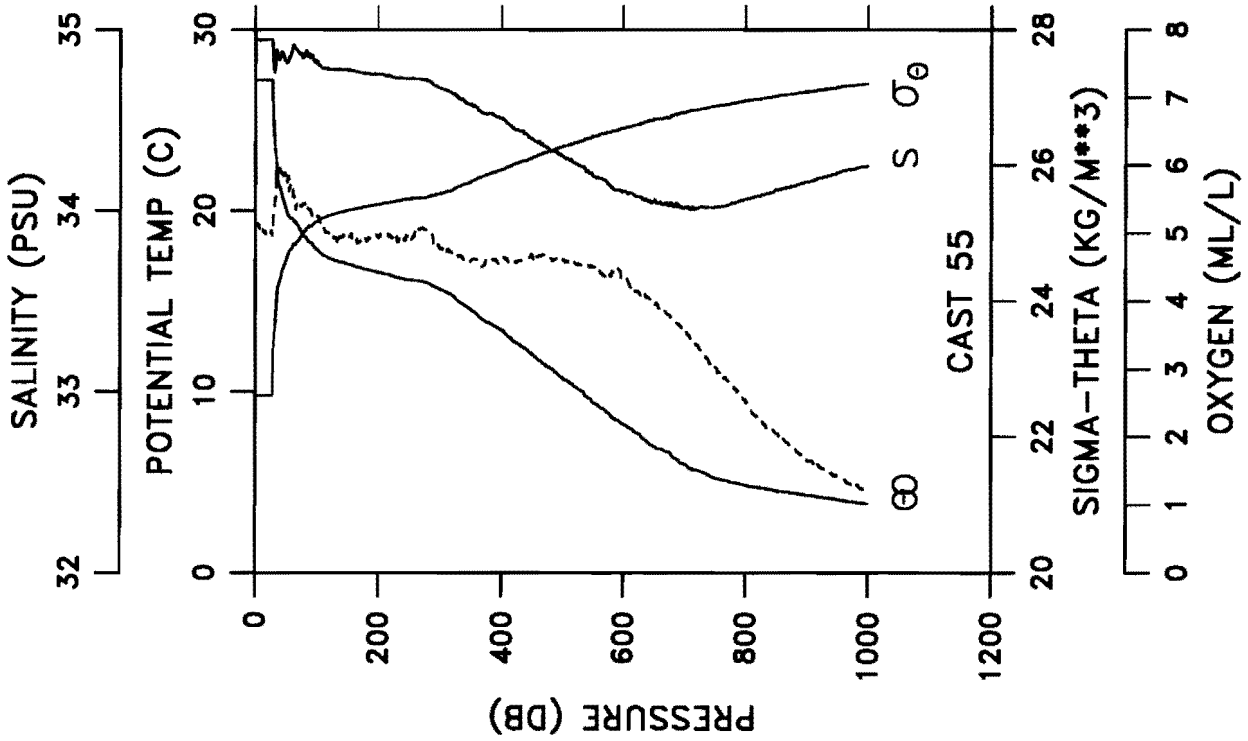
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.303	34.895	5.05	22.544	0.000
10	27.300	34.893	5.05	22.544	0.053
20	27.305	34.891	5.05	22.540	0.106
30	26.010	34.966	5.23	23.006	0.159
40	23.326	34.835	5.86	23.716	0.204
50	21.582	34.879	6.03	24.249	0.243
60	20.850	34.896	5.82	24.457	0.278
70	19.818	34.903	5.73	24.757	0.312
80	19.096	34.878	5.56	24.905	0.343
90	18.508	34.860	5.42	25.040	0.373
100	18.167	34.832	5.32	25.103	0.403
110	17.800	34.815	5.19	25.181	0.431
120	17.821	34.814	5.07	25.224	0.459
130	17.444	34.799	4.99	25.255	0.486
140	17.373	34.795	4.98	25.269	0.514
150	17.224	34.788	4.97	25.299	0.541
160	17.119	34.784	4.91	25.321	0.568
170	17.000	34.779	4.83	25.346	0.595
180	16.855	34.769	4.81	25.372	0.622
190	16.754	34.761	4.76	25.390	0.648
200	16.662	34.757	4.80	25.406	0.675
250	16.279	34.734	4.88	25.480	0.805
300	15.796	34.692	4.80	25.556	0.932
350	14.867	34.603	4.63	25.695	1.055
400	13.879	34.527	4.63	25.848	1.171
450	12.850	34.455	4.63	26.001	1.281
500	11.870	34.366	4.63	26.159	1.363
550	10.482	34.278	4.54	26.306	1.478
600	9.128	34.181	4.28	26.457	1.568
650	7.710	34.082	4.12	26.595	1.647
700	6.437	34.030	3.79	26.730	1.720
750	5.631	34.018	3.26	26.823	1.766
800	5.033	34.041	2.73	26.912	1.852
900	4.370	34.143	1.80	27.066	1.966
1000	3.852	34.242	1.27	27.198	2.067
1500	2.471	34.461	0.87	27.517	2.456
2000	1.874	34.590	1.61	27.653	2.746
2500	1.537	34.640	2.37	27.719	2.993
3000	1.353	34.663	2.82	27.750	3.223
3500	1.238	34.675	3.19	27.768	3.446
4000	1.154	34.683	3.37	27.780	3.668
4500	1.081	34.688	3.57	27.786	3.895
5000	1.039	34.693	3.87	27.796	4.126
5916	0.992	34.694	4.06	27.800	4.567

CAST CG1-92-VI -055 DATE 10 SEP 92 TIME 0026 GMT  
LAT 30 41.3N LONG 164 58.5E



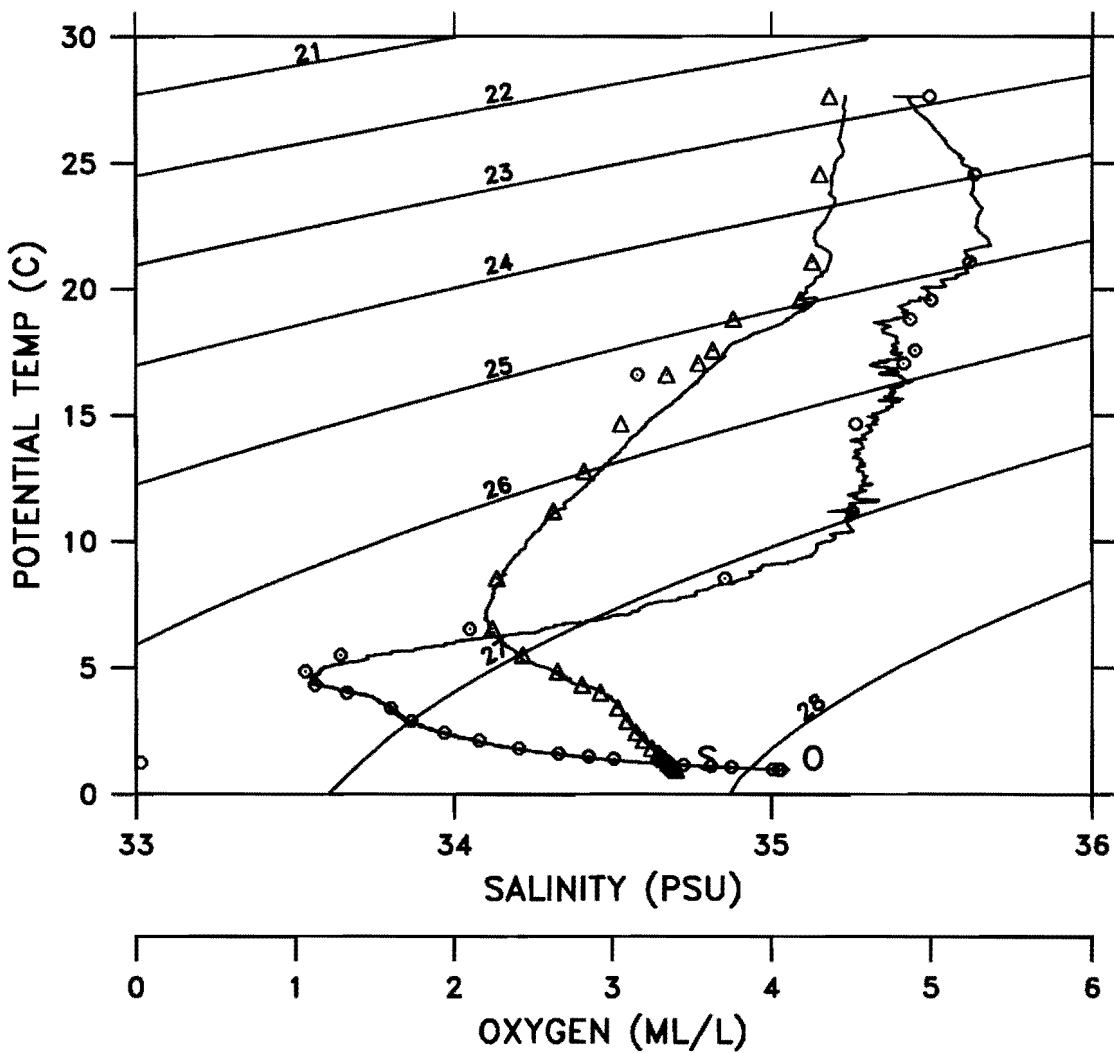


CAST CG1-92-VI-055 DATE 10 SEP 92 TIME 0026 GMT  
 LAT 30 41.3N LONG 164 58.5E WEATHER 1 SEA STATE 4  
 BAROMETER 12 WIND DIR 075 T SPD 22 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 6 DRY 26.9 WET 24.3 DEPTH M

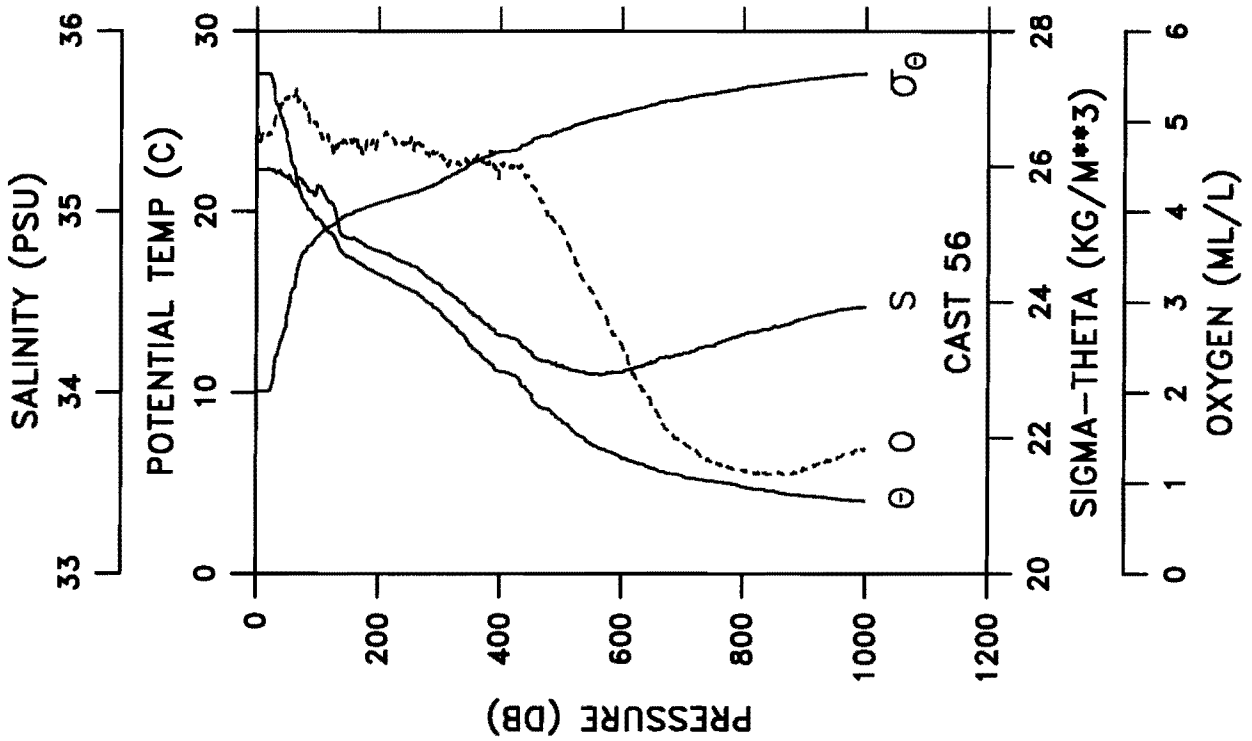


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.224	34.944	5.14	22.606	0.000
10	27.228	34.944	5.04	22.605	0.052
20	27.228	34.945	5.01	22.606	0.105
30	24.461	34.795	5.30	23.350	0.156
40	21.275	34.843	5.95	24.301	0.196
50	20.193	34.827	5.77	24.580	0.230
60	19.570	34.882	5.72	24.785	0.263
70	19.162	34.877	5.48	24.887	0.294
80	18.566	34.872	5.43	25.035	0.324
90	18.195	34.846	5.34	25.107	0.353
100	17.844	34.813	5.29	25.168	0.382
110	17.517	34.786	5.10	25.227	0.410
120	17.352	34.782	5.01	25.264	0.437
130	17.244	34.781	4.93	25.289	0.465
140	17.147	34.779	4.95	25.311	0.492
150	17.029	34.778	4.93	25.338	0.519
160	16.934	34.773	4.94	25.356	0.545
170	16.843	34.765	4.87	25.372	0.572
180	16.738	34.759	4.91	25.392	0.598
190	16.646	34.756	4.90	25.411	0.625
200	16.591	34.754	4.94	25.423	0.651
250	16.160	34.731	4.94	25.505	0.780
300	15.634	34.679	4.78	25.585	0.906
350	14.531	34.589	4.60	25.757	1.027
400	13.380	34.511	4.60	25.938	1.139
450	12.084	34.398	4.68	26.106	1.244
500	10.756	34.303	4.61	26.277	1.340
550	9.402	34.191	4.51	26.420	1.430
600	8.196	34.110	4.33	26.546	1.513
650	6.970	34.054	3.97	26.678	1.589
700	5.995	34.017	3.56	26.776	1.660
750	5.205	34.020	3.04	26.875	1.725
800	4.812	34.062	2.53	26.953	1.786
900	4.276	34.160	1.66	27.089	1.898
1000	3.812	34.248	1.21	27.208	1.997
1500	2.472	34.478	0.88	27.515	2.383
2000	1.860	34.587	1.52	27.652	2.673
2500	1.537	34.636	2.24	27.716	2.920
3000	1.335	34.663	2.82	27.752	3.148
3500	1.220	34.677	3.19	27.771	3.370
4000	1.144	34.685	3.42	27.782	3.582
4500	1.088	34.689	3.62	27.790	3.817
5000	1.039	34.692	3.82	27.795	4.048
5581	1.000	34.695	4.03	27.800	4.324

CAST CG2-92-VI -056 DATE 30 SEP 92 TIME 1259 GMT  
LAT 21 58.0N LONG 165 00.6E

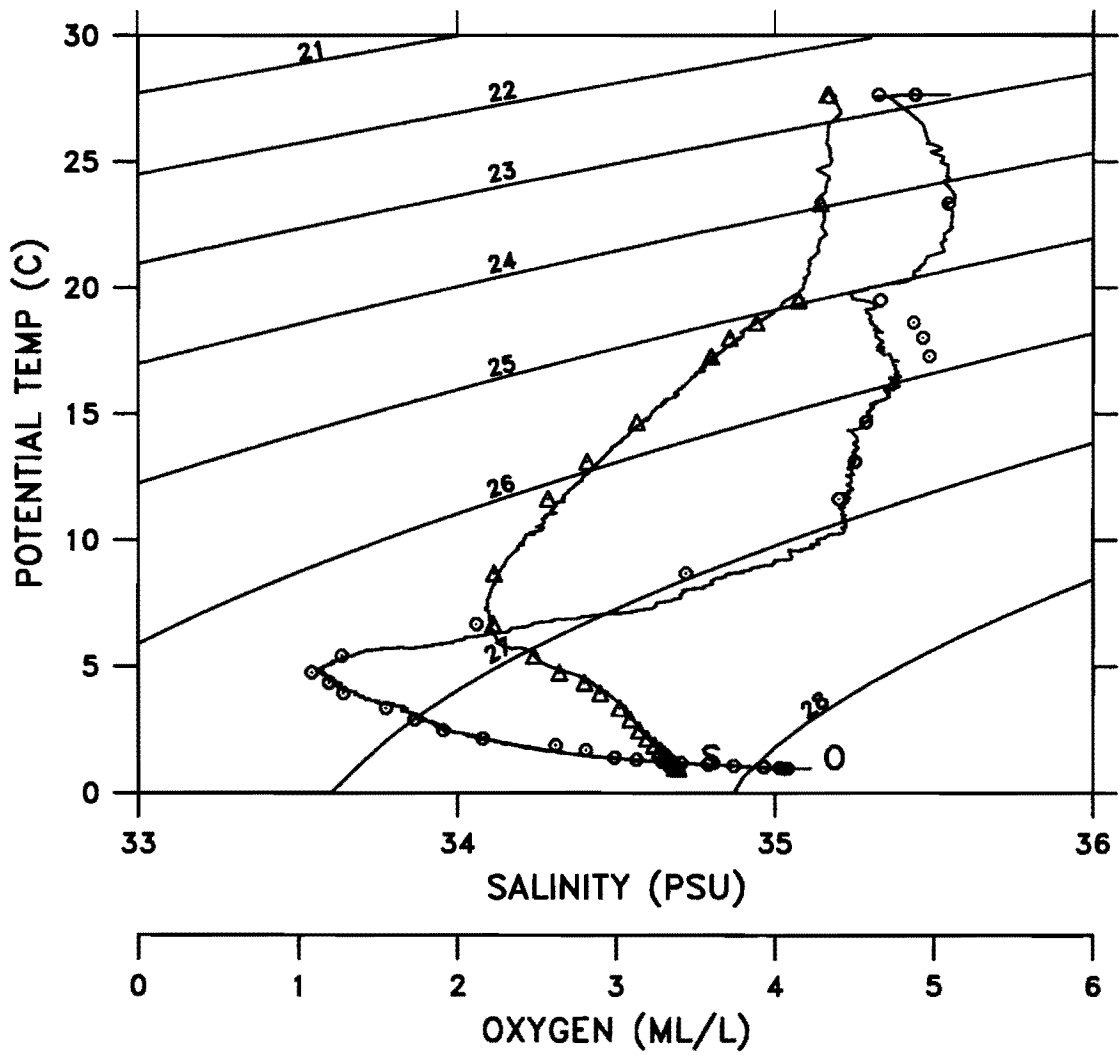


CST CG2-92-VI-056 DATE 30 SEP 92 TIME 1259 GMT  
 LAT 21 58.0N LONG 165 00.6E WEATHER 1 SEA STATE 4  
 BAROMETER 10 WIND DIR 034 T SPD 15 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 2 DRY 26.5 WET 23.8 DEPTH M

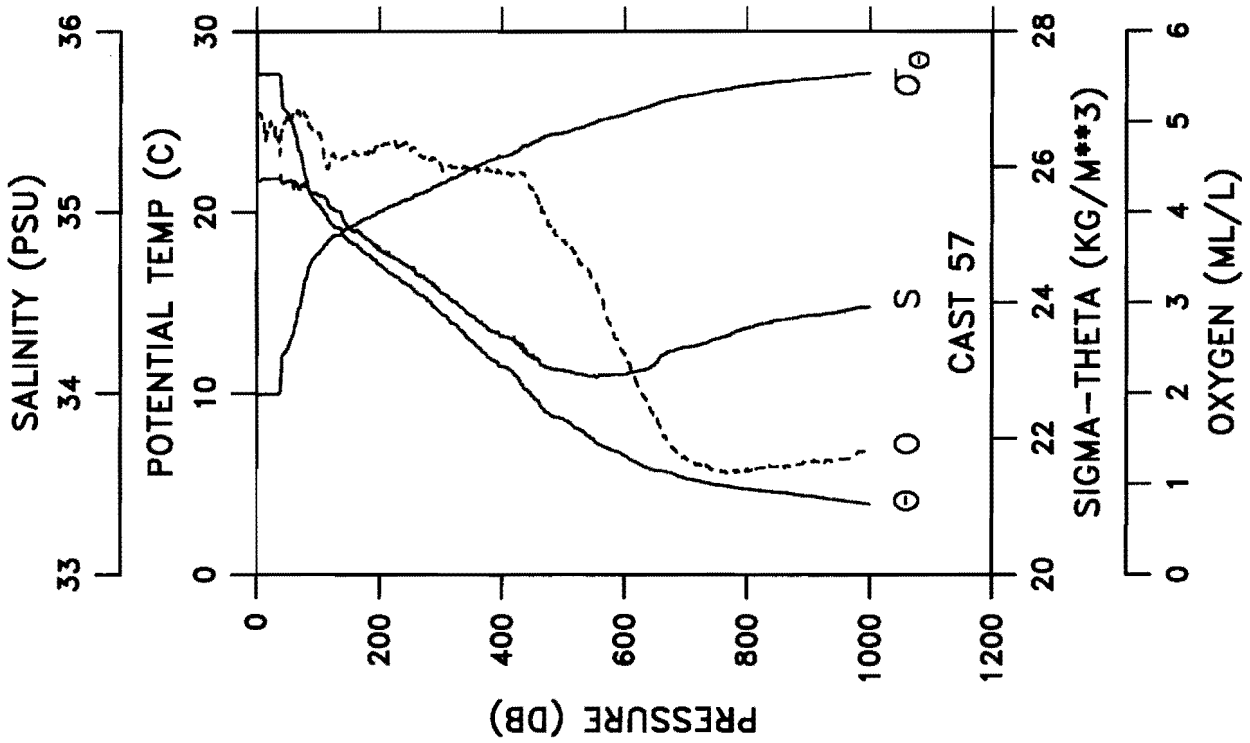


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.627	35.233	4.95	22.694	0.000
10	27.633	35.232	4.86	22.691	0.052
20	27.627	35.233	4.86	22.693	0.103
30	26.341	35.221	5.02	23.095	0.154
40	25.213	35.213	5.17	23.438	0.200
50	23.847	35.186	5.25	23.829	0.243
60	22.481	35.154	5.27	24.200	0.282
70	21.161	35.186	5.25	24.593	0.317
80	20.478	35.141	5.16	24.744	0.350
90	20.026	35.111	4.97	24.841	0.382
100	19.665	35.141	4.92	24.959	0.413
110	19.154	35.103	4.84	25.061	0.442
120	18.809	35.048	4.80	25.108	0.472
130	18.402	34.985	4.89	25.162	0.500
140	17.750	34.888	4.76	25.234	0.528
150	17.491	34.852	4.78	25.284	0.556
160	17.343	34.856	4.80	25.323	0.583
170	17.116	34.832	4.73	25.359	0.610
180	16.871	34.807	4.79	25.398	0.636
190	16.728	34.793	4.80	25.421	0.663
200	16.531	34.779	4.82	25.456	0.689
250	15.745	34.713	4.71	25.585	0.815
300	14.545	34.601	4.62	25.764	0.935
350	12.619	34.446	4.58	26.040	1.044
400	11.162	34.317	4.53	26.215	1.143
450	9.851	34.228	4.32	26.357	1.235
500	8.484	34.143	3.80	26.528	1.318
550	7.160	34.100	3.12	26.698	1.393
600	6.383	34.110	2.53	26.801	1.463
650	5.848	34.163	1.87	26.911	1.526
700	5.420	34.211	1.45	27.000	1.585
750	5.104	34.257	1.24	27.074	1.639
800	4.783	34.321	1.15	27.161	1.691
900	4.293	34.408	1.15	27.285	1.784
1000	3.998	34.473	1.38	27.368	1.866
1500	2.622	34.566	1.82	27.572	2.212
2000	1.894	34.619	2.28	27.675	2.487
2500	1.575	34.648	2.69	27.722	2.728
3000	1.397	34.664	2.91	27.748	2.959
3500	1.249	34.675	3.18	27.767	3.184
4000	1.150	34.683	3.46	27.781	3.408
4500	1.069	34.690	3.71	27.792	3.633
5000	0.996	34.696	3.94	27.801	3.859
5353	0.971	34.697	4.06	27.804	4.022

CAST CG2-92-VI -057 DATE 30 SEP 92 TIME 2213 GMT  
LAT 21 19.2N LONG 165 00.5E

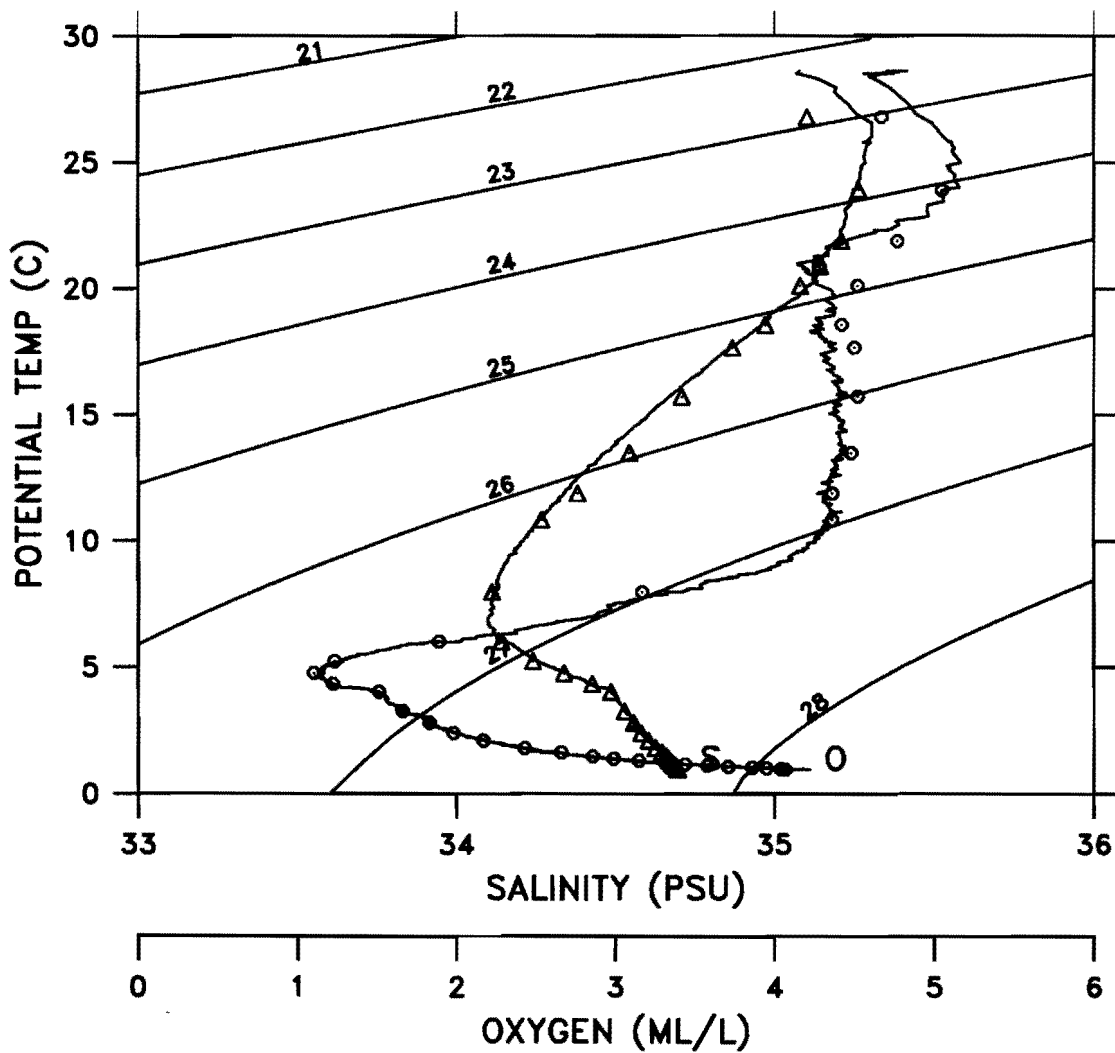


CAST CG2-92-VI -057 DATE 30 SEP 92 TIME 2213 GMT  
 LAT 21 19.2N LONG 165 00.5E WEATHER 1 SEA STATE 4  
 BAROMETER 10 WIND DIR 020 T SPD 15 KT VISIBILITY 7  
 CLOUD 9 AMOUNT 6 DRY 27.5 WET 24.4 DEPTH 5773 M

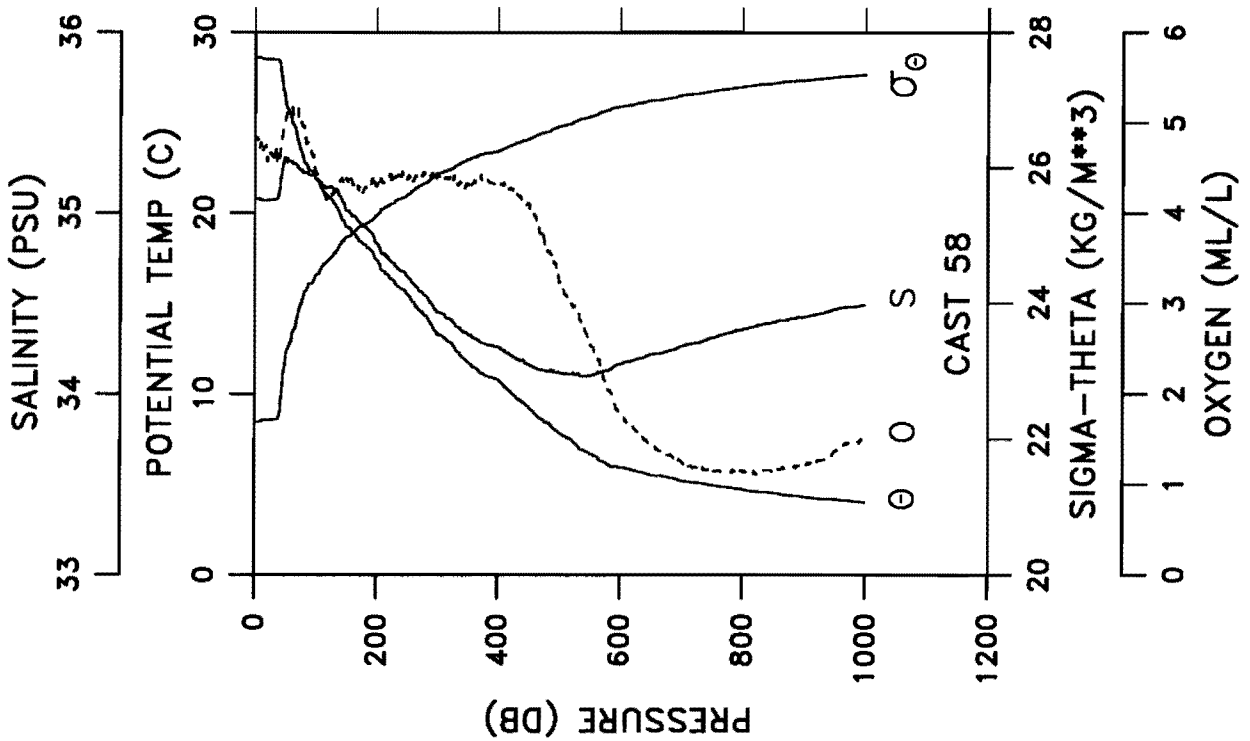


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	27.632	35.174	5.09	22.647	0.000
10	27.637	35.184	5.06	22.653	0.052
20	27.633	35.185	4.93	22.655	0.104
30	27.638	35.187	4.77	22.655	0.156
40	26.477	35.168	4.93	23.013	0.207
50	25.481	35.169	5.04	23.324	0.254
60	24.547	35.150	5.08	23.593	0.298
70	23.341	35.130	5.06	23.935	0.339
80	21.889	35.140	5.07	24.354	0.377
90	20.787	35.105	4.90	24.630	0.411
100	20.432	35.097	4.87	24.722	0.444
110	19.921	35.084	4.58	24.848	0.476
120	19.395	35.024	4.61	24.939	0.507
130	19.137	35.007	4.59	24.992	0.538
140	18.725	34.960	4.59	25.062	0.567
150	18.341	34.906	4.65	25.117	0.597
160	18.218	34.893	4.64	25.137	0.626
170	17.920	34.879	4.66	25.200	0.654
180	17.650	34.847	4.66	25.242	0.682
190	17.384	34.821	4.67	25.286	0.710
200	17.079	34.798	4.74	25.341	0.737
250	15.944	34.698	4.68	25.528	0.867
300	14.414	34.556	4.52	25.757	0.988
350	12.903	34.428	4.47	25.970	1.100
400	11.480	34.313	4.44	26.153	1.201
450	9.839	34.204	4.25	26.358	1.294
500	8.595	34.130	3.68	26.500	1.378
550	7.442	34.097	3.26	26.646	1.455
600	6.563	34.106	2.44	26.773	1.526
650	5.742	34.160	1.73	26.921	1.590
700	5.307	34.256	1.29	27.050	1.647
750	4.948	34.302	1.15	27.128	1.700
800	4.716	34.360	1.16	27.200	1.749
900	4.339	34.429	1.24	27.296	1.839
1000	3.888	34.476	1.37	27.381	1.922
1500	2.687	34.567	1.86	27.569	2.262
2000	1.931	34.620	2.31	27.673	2.538
2500	1.609	34.644	2.66	27.717	2.785
3000	1.384	34.663	2.95	27.748	3.017
3500	1.261	34.674	3.18	27.766	3.243
4000	1.160	34.682	3.42	27.779	3.468
4500	1.068	34.690	3.71	27.791	3.693
5000	0.985	34.694	3.99	27.800	3.921
5690	0.961	34.696	4.17	27.804	4.244

CAST CG2-92-VI -058 DATE 01 OCT 92 TIME 0742 GMT  
LAT 20 39.9N LONG 164 59.2E

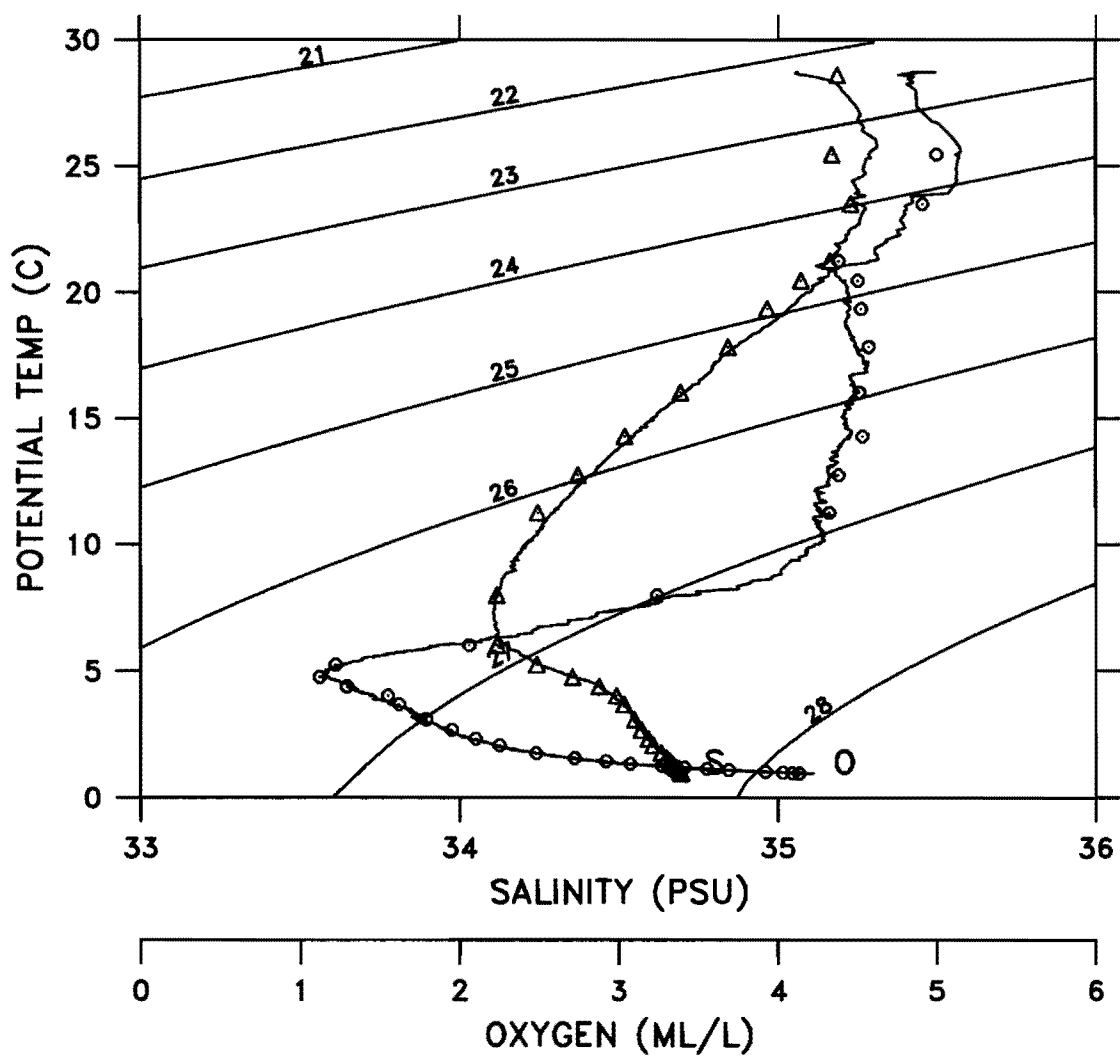


CAST CG2-92-VI --058 DATE 01 OCT 92 TIME 0742 GMT  
 LAT 20 39.9N LONG 164 59.2E WEATHER 1 SEA STATE 3  
 BAROMETER 09 WIND DIR 313 T SPD 06 KT VISIBILITY 7  
 CLOUD 6 AMOUNT 6 DRY 27.0 WET 25.0 DEPTH 5698 M



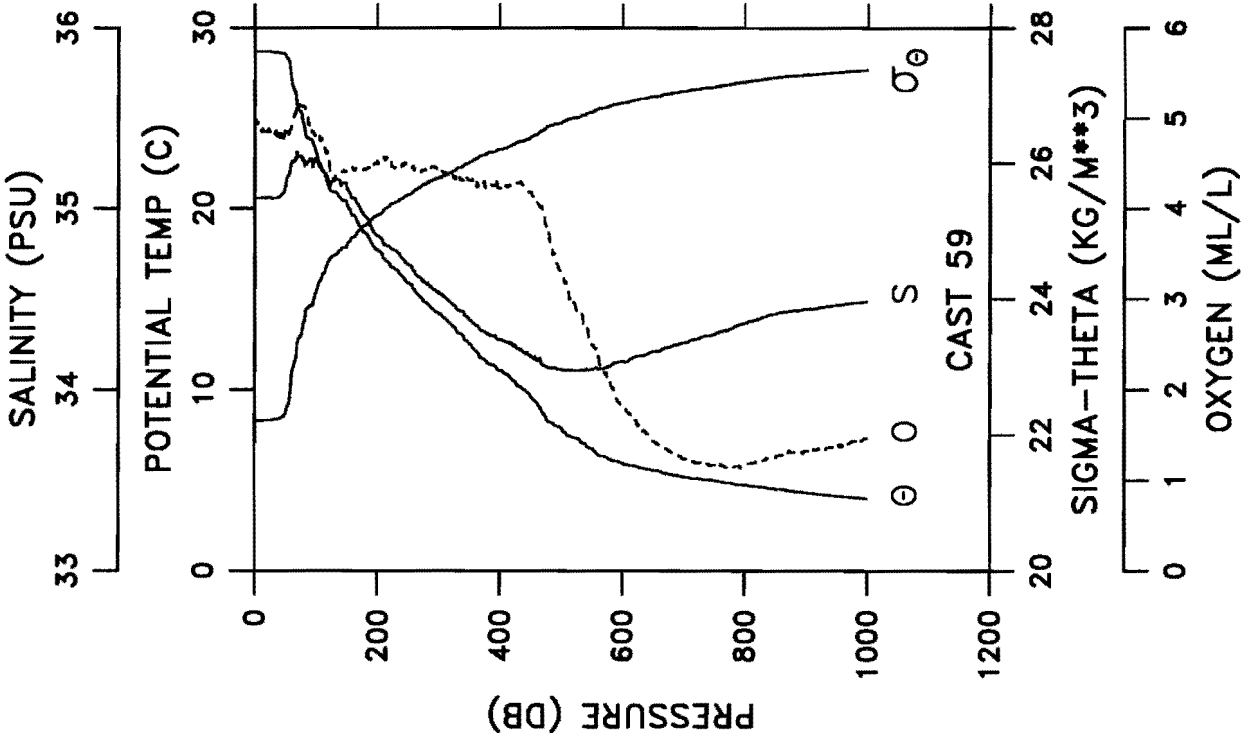
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	28.612	35.076	4.82	22.252	0.000
10	28.574	35.073	4.78	22.263	0.056
20	28.507	35.069	4.56	22.282	0.111
30	28.496	35.072	4.62	22.288	0.167
40	28.384	35.113	4.59	22.355	0.222
50	26.288	35.305	5.02	23.175	0.273
60	25.184	35.279	5.14	23.498	0.318
70	24.004	35.260	5.16	23.839	0.361
80	22.877	35.225	4.96	24.141	0.401
90	22.329	35.208	4.72	24.284	0.438
100	21.836	35.188	4.46	24.408	0.474
110	21.288	35.153	4.25	24.533	0.509
120	20.906	35.142	4.18	24.629	0.543
130	20.487	35.128	4.24	24.731	0.576
140	19.877	35.088	4.36	24.862	0.608
150	19.220	35.011	4.39	24.974	0.639
160	18.898	34.987	4.31	25.038	0.669
170	18.542	34.955	4.24	25.103	0.698
180	18.227	34.924	4.29	25.159	0.727
190	17.894	34.890	4.31	25.215	0.756
200	17.395	34.831	4.29	25.291	0.783
250	15.484	34.649	4.37	25.595	0.912
300	13.274	34.450	4.38	25.912	1.029
350	11.768	34.330	4.31	26.113	1.133
400	10.791	34.257	4.30	26.235	1.228
450	9.310	34.163	4.11	26.413	1.317
500	7.850	34.123	3.22	26.607	1.397
550	6.767	34.102	2.63	26.743	1.470
600	5.941	34.165	1.81	26.900	1.534
650	5.533	34.216	1.45	26.991	1.594
700	5.197	34.262	1.25	27.067	1.649
750	4.962	34.308	1.17	27.131	1.702
800	4.733	34.355	1.16	27.194	1.751
900	4.309	34.423	1.22	27.295	1.841
1000	4.003	34.489	1.51	27.380	1.923
1500	2.536	34.575	1.94	27.587	2.260
2000	1.894	34.621	2.37	27.676	2.531
2500	1.397	34.648	2.89	27.722	2.773
3000	1.397	34.665	2.94	27.748	3.003
3500	1.258	34.673	3.22	27.765	3.230
4000	1.149	34.682	3.46	27.780	3.454
4500	1.072	34.689	3.71	27.791	3.679
5000	1.024	34.692	3.93	27.797	3.908
5633	0.968	34.697	4.18	27.804	4.206

CAST CG2-92-VI -059 DATE 01 OCT 92 TIME 1645 GMT  
LAT 19 59.3N LONG 165 00.3E



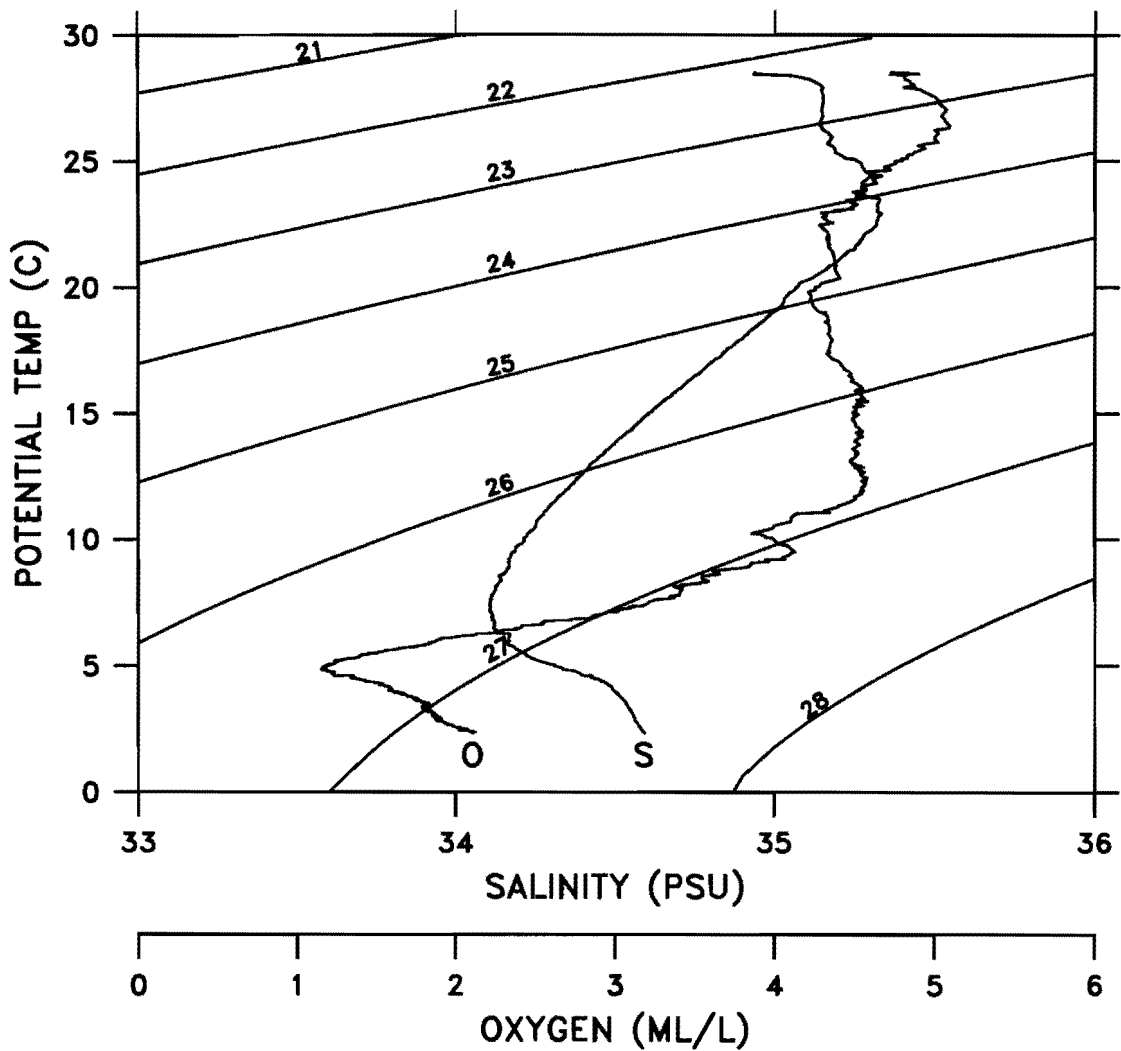


CAST CG2-92-VI-059 DATE 01 OCT 92 TIME 1645 GMT  
 LAT 19 59.3N LONG 165 00.3E WEATHER 1 SEA STATE 4  
 BAROMETER 06 WIND DIR 295 T SPD 15 KT VISIBILITY 7  
 CLOUD 9 AMOUNT 1 DRY 28.0 WET 24.2 DEPTH 5491 M



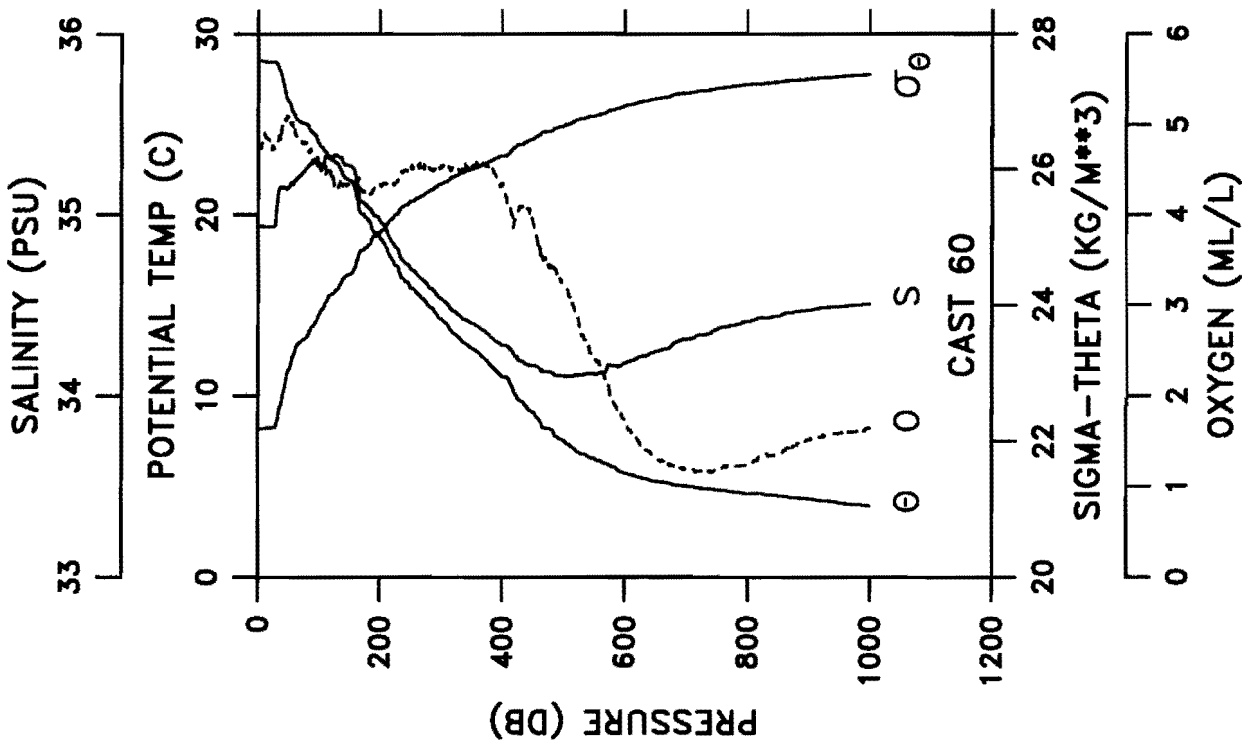
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	28.701	35.060	4.99	22.211	0.000
10	28.700	35.058	4.87	22.210	0.056
20	28.696	35.060	4.84	22.213	0.112
30	28.652	35.056	4.84	22.224	0.168
40	28.624	35.064	4.82	22.240	0.225
50	28.513	35.117	4.86	22.316	0.280
60	27.038	35.259	4.92	22.903	0.334
70	25.544	35.288	5.15	23.394	0.382
80	24.577	35.263	5.12	23.670	0.426
90	23.826	35.274	4.87	23.902	0.467
100	23.102	35.264	4.80	24.106	0.506
110	22.084	35.216	4.69	24.360	0.544
120	21.227	35.157	4.58	24.552	0.579
130	20.917	35.157	4.33	24.638	0.613
140	20.531	35.125	4.39	24.717	0.646
150	20.253	35.108	4.43	24.778	0.678
160	19.616	35.058	4.43	24.908	0.710
170	19.084	35.011	4.45	25.010	0.740
180	18.618	34.957	4.43	25.086	0.770
190	18.091	34.894	4.47	25.170	0.799
200	17.697	34.850	4.52	25.232	0.827
250	15.886	34.689	4.47	25.535	0.960
300	14.246	34.543	4.44	25.783	1.080
350	12.553	34.390	4.31	26.009	1.189
400	11.066	34.275	4.23	26.200	1.288
450	9.653	34.185	4.18	26.374	1.380
500	7.879	34.112	3.28	26.594	1.460
550	6.747	34.111	2.49	26.753	1.532
600	5.938	34.156	1.82	26.893	1.597
650	5.545	34.211	1.43	26.986	1.656
700	5.187	34.260	1.23	27.067	1.711
750	4.995	34.304	1.17	27.124	1.763
800	4.740	34.365	1.18	27.201	1.812
900	4.325	34.443	1.32	27.309	1.902
1000	3.988	34.484	1.46	27.377	1.983
1500	2.656	34.572	1.93	27.574	2.323
2000	1.937	34.619	2.30	27.672	2.600
2500	1.556	34.649	2.69	27.725	2.842
3000	1.372	34.666	2.99	27.751	3.071
3500	1.233	34.677	3.28	27.770	3.295
4000	1.137	34.683	3.55	27.782	3.517
4500	1.047	34.690	3.81	27.793	3.740
5000	0.979	34.695	4.09	27.801	3.965
5415	0.955	34.696	4.21	27.804	4.156

CAST CG2-92-VI -060 DATE 02 OCT 92 TIME 0040 GMT  
LAT 19 18.9N LONG 165 00.4E

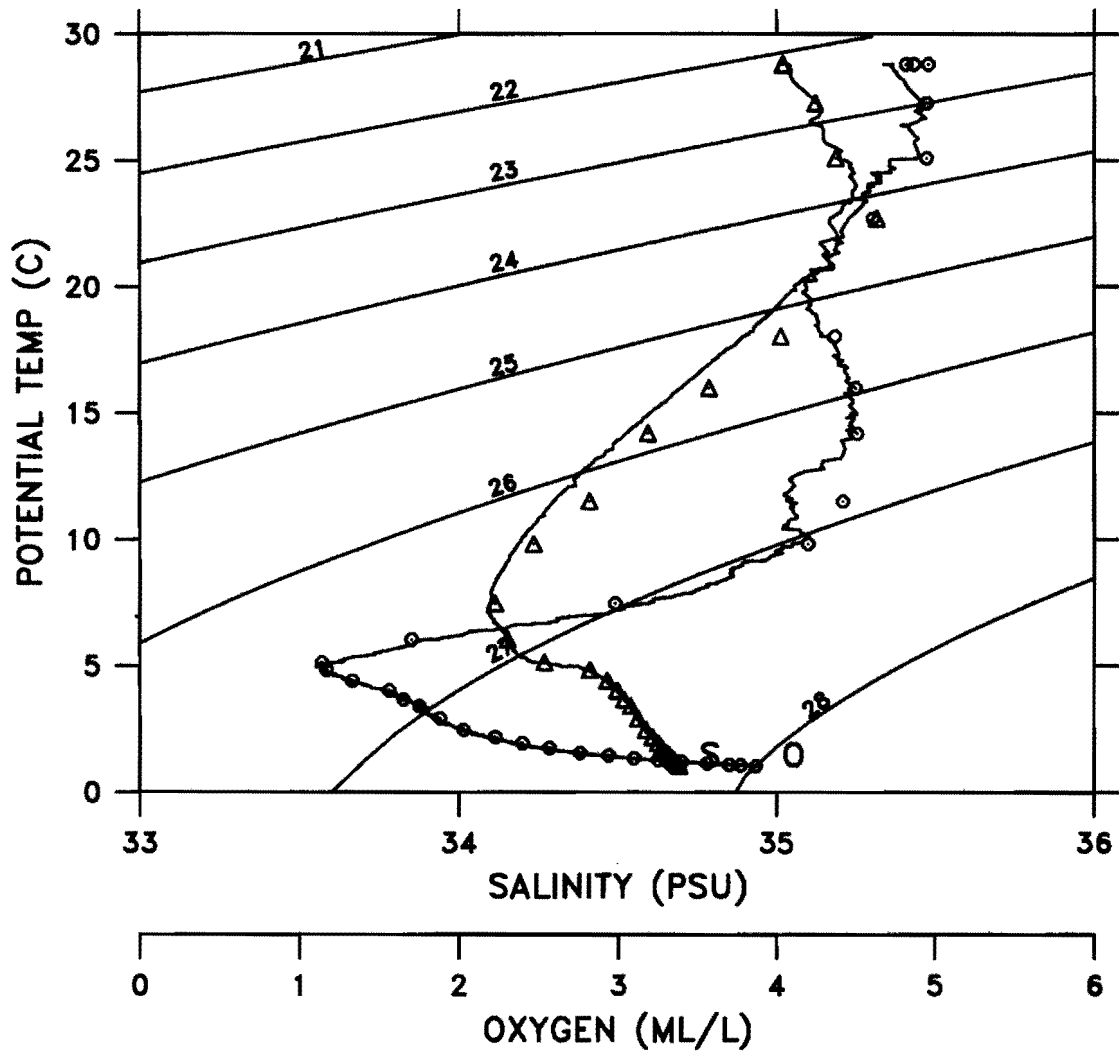


CAST CG2-92-VI -060 DATE 02 OCT 92 TIME 0040 GMT  
 LAT 19 18.9N LONG 165 00.4E WEATHER SEA STATE  
 BAROMETER WIND DIR T SPD KT VISIBILITY  
 CLOUD AMOUNT DRY WET DEPTH M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.526	34.935	4.73	22.175	0.000
10	28.483	34.934	4.89	22.188	0.056
20	28.447	34.933	4.82	22.200	0.113
30	28.428	34.985	4.77	22.253	0.169
40	27.579	35.151	4.99	22.648	0.223
50	26.313	35.146	5.08	23.047	0.273
60	25.577	35.181	4.91	23.303	0.320
70	25.135	35.218	4.83	23.467	0.365
80	25.022	35.255	4.80	23.529	0.409
90	24.582	35.283	4.61	23.684	0.452
100	23.973	35.280	4.54	23.863	0.494
110	23.530	35.315	4.52	24.020	0.534
120	23.057	35.319	4.37	24.161	0.572
130	22.842	35.326	4.33	24.228	0.610
140	22.166	35.287	4.33	24.390	0.647
150	21.896	35.270	4.34	24.454	0.682
160	21.394	35.225	4.36	24.559	0.717
170	20.031	35.068	4.22	24.807	0.750
180	19.744	35.043	4.22	24.863	0.782
190	19.018	34.998	4.28	25.016	0.813
200	18.769	34.972	4.33	25.059	0.843
250	15.985	34.706	4.55	25.526	0.979
300	14.222	34.534	4.54	25.781	1.101
350	12.628	34.400	4.54	26.003	1.210
400	11.074	34.278	4.34	26.201	1.310
450	9.102	34.166	3.91	26.449	1.399
500	7.551	34.109	3.23	26.640	1.477
550	6.549	34.123	2.42	26.789	1.546
600	5.733	34.183	1.74	26.940	1.609
650	5.267	34.243	1.32	27.045	1.666
700	5.012	34.312	1.19	27.128	1.718
750	4.802	34.365	1.18	27.195	1.767
800	4.587	34.409	1.26	27.254	1.813
900	4.306	34.472	1.51	27.334	1.900
1000	3.929	34.506	1.65	27.400	1.979
1500	2.617	34.575	1.99	27.580	2.314
1670	2.326	34.593	2.11	27.619	2.414

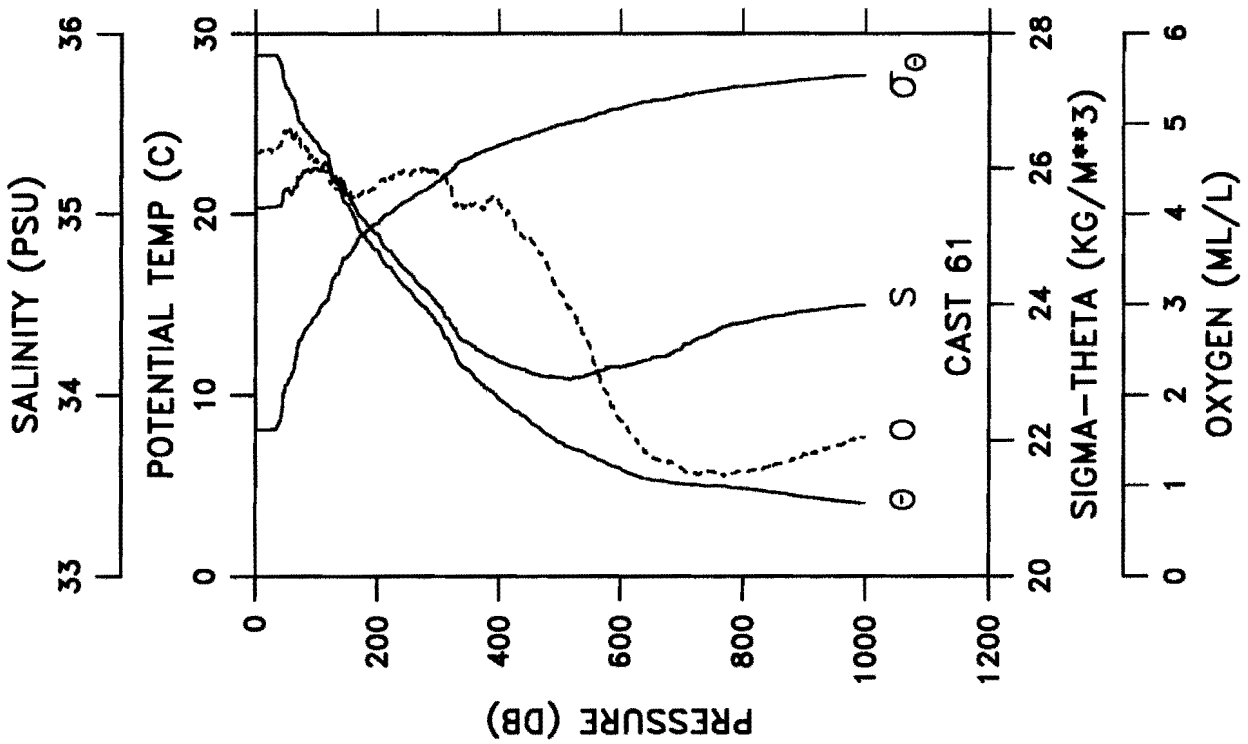


CAST CG2-92-VI -061 DATE 02 OCT 92 TIME 1332 GMT  
LAT 19 32.2N LONG 165 02.2E

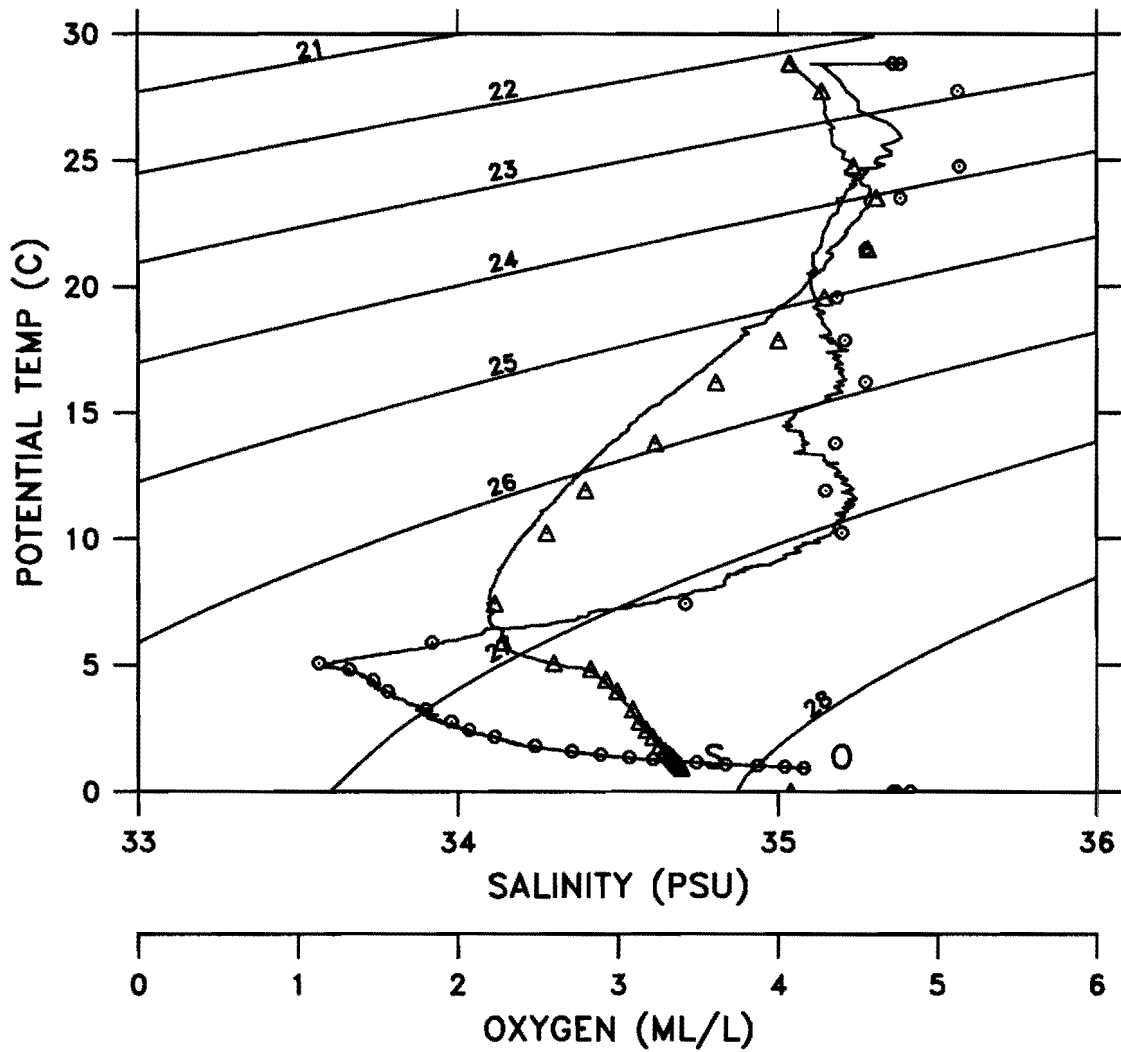


CAST CG2-92-VI-061 DATE 02 OCT 92 TIME 1332 GMT  
 LAT 19 32.2N LONG 165 02.2E WEATHER 1 SEA STATE 4  
 BAROMETER 06 WIND DIR 210 T SPD 20 KT VISIBILITY 7  
 CLOUD X AMOUNT 2 DRY 27.5 WET 24.5 DEPTH M

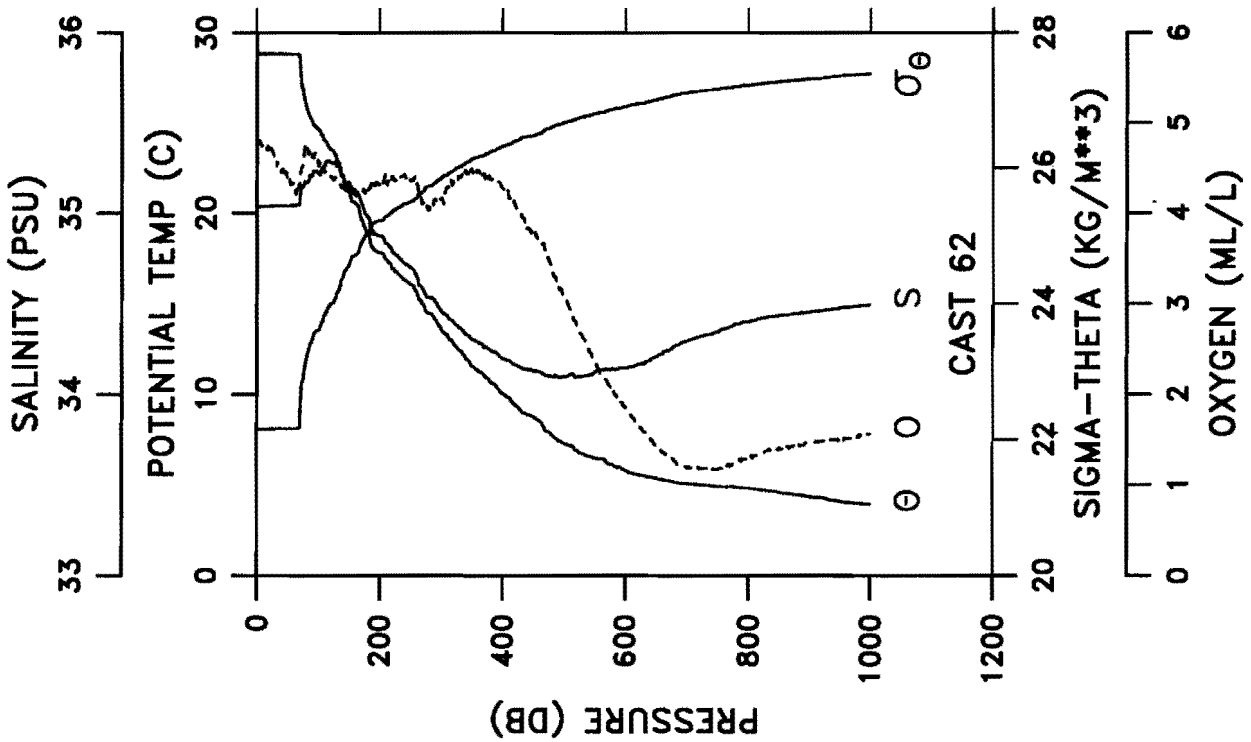
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.798	35.037	4.68	22.161	0.000
10	28.796	35.035	4.70	22.161	0.057
20	28.797	35.038	4.72	22.163	0.113
30	28.795	35.039	4.72	22.164	0.170
40	28.415	35.048	4.76	22.295	0.226
50	27.025	35.133	4.90	22.812	0.279
60	26.417	35.110	4.84	22.987	0.329
70	25.264	35.200	4.90	23.414	0.376
80	24.711	35.231	4.73	23.605	0.420
90	24.355	35.232	4.66	23.713	0.463
100	23.991	35.253	4.61	23.838	0.504
110	23.438	35.261	4.48	24.006	0.545
120	22.969	35.253	4.41	24.136	0.584
130	21.873	35.183	4.35	24.394	0.620
140	21.278	35.180	4.29	24.556	0.655
150	20.564	35.112	4.25	24.698	0.689
160	19.082	35.062	4.19	24.844	0.721
170	18.082	34.988	4.21	24.993	0.752
180	18.732	34.960	4.25	25.060	0.782
190	18.249	34.926	4.27	25.155	0.811
200	18.013	34.892	4.32	25.187	0.840
250	15.859	34.881	4.46	25.536	0.973
300	13.904	34.486	4.41	25.818	1.062
350	11.374	34.288	4.09	26.153	1.196
400	9.817	34.187	4.10	26.348	1.268
450	8.593	34.127	3.72	26.499	1.372
500	7.413	34.096	3.15	26.649	1.449
550	6.663	34.115	2.54	26.767	1.520
600	5.932	34.153	1.72	26.892	1.584
650	5.316	34.203	1.32	27.007	1.642
700	5.106	34.263	1.18	27.079	1.697
750	4.981	34.346	1.16	27.159	1.748
800	4.832	34.398	1.16	27.218	1.796
900	4.371	34.463	1.35	27.320	1.885
1000	4.013	34.495	1.54	27.394	1.965
1500	2.633	34.574	1.95	27.578	2.306
2000	1.917	34.621	2.34	27.675	2.581
2500	1.551	34.651	2.73	27.726	2.822
3000	1.381	34.665	3.02	27.750	3.051
3500	1.245	34.675	3.29	27.768	3.275
4000	1.139	34.684	3.57	27.782	3.498
4500	1.051	34.691	3.83	27.793	3.721
4548	1.037	34.691	3.91	27.795	3.743



CAST CG2-92-VI -062 DATE 02 OCT 92 TIME 2329 GMT  
LAT 18 39.9N LONG 164 35.9E

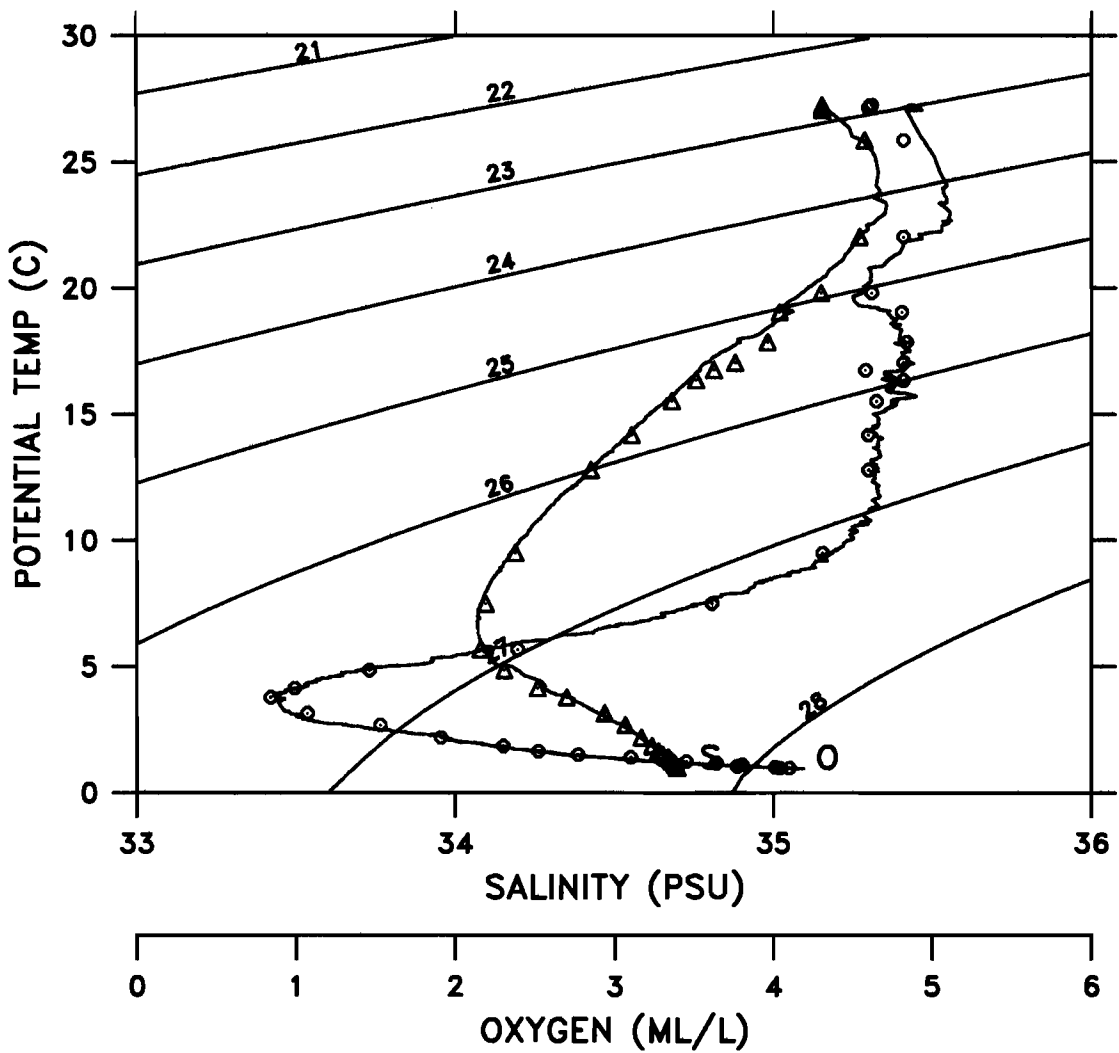


CAST 62-92-VI-062 DATE 02 OCT 92 TIME 2329 GMT  
 LAT 18 39.9N LONG 164 35.9E WEATHER 1 SEA STATE 3  
 BAROMETER 07 WIND DIR 209 T SPD 15 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 6 DRY 29.8 WET 25.7 DEPTH 5403 M



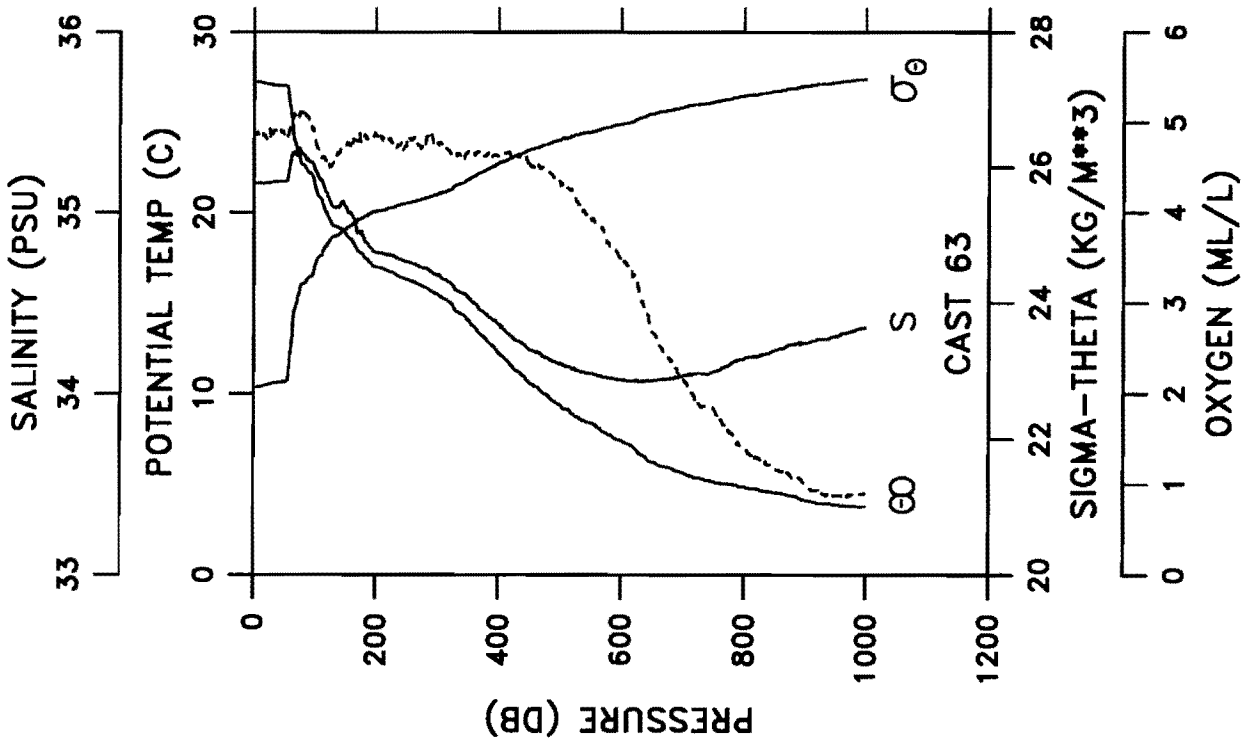
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.825	35.036	4.80	22.152	0.000
10	28.823	35.036	4.75	22.153	0.057
20	28.822	35.038	4.67	22.154	0.113
30	28.818	35.039	4.64	22.156	0.170
40	28.818	35.040	4.45	22.157	0.227
50	28.816	35.041	4.37	22.158	0.284
60	28.811	35.041	4.32	22.161	0.341
70	28.189	35.096	4.38	22.407	0.397
80	25.983	35.170	4.77	23.169	0.447
90	25.086	35.202	4.63	23.470	0.493
100	24.660	35.221	4.52	23.613	0.537
110	24.019	35.263	4.45	23.836	0.578
120	23.515	35.280	4.41	23.998	0.619
130	22.907	35.260	4.37	24.160	0.658
140	22.014	35.212	4.28	24.377	0.695
150	21.205	35.171	4.21	24.569	0.730
160	20.534	35.127	4.22	24.717	0.764
170	19.645	35.055	4.22	24.898	0.796
180	18.916	34.981	4.25	25.029	0.828
190	18.024	34.884	4.26	25.178	0.855
200	17.824	34.874	4.35	25.220	0.884
250	16.051	34.698	4.36	25.505	1.017
300	13.562	34.460	4.17	25.862	1.136
350	11.556	34.304	4.45	26.132	1.241
400	10.037	34.198	4.28	26.320	1.335
450	8.773	34.130	3.79	26.473	1.420
500	7.310	34.098	3.07	26.665	1.497
550	6.478	34.121	2.39	26.797	1.566
600	5.788	34.146	1.85	26.905	1.630
650	5.364	34.206	1.44	27.003	1.688
700	5.057	34.294	1.18	27.109	1.742
750	4.906	34.343	1.18	27.166	1.792
800	4.828	34.400	1.29	27.219	1.840
900	4.364	34.454	1.47	27.313	1.928
1000	3.938	34.483	1.56	27.390	2.009
1500	2.575	34.575	1.97	27.584	2.342
2000	1.913	34.619	2.33	27.673	2.615
2500	1.548	34.650	2.73	27.726	2.856
3000	1.362	34.666	3.02	27.752	3.064
3500	1.240	34.677	3.29	27.769	3.307
4000	1.135	34.684	3.52	27.782	3.530
4500	1.039	34.691	3.82	27.795	3.752
5000	0.960	34.696	4.10	27.804	3.976
5150	0.940	34.698	4.20	27.807	4.043

CAST CG2-92-VI -063 DATE 04 OCT 92 TIME 0811 GMT  
LAT 24 02.6N LONG 164 59.1E



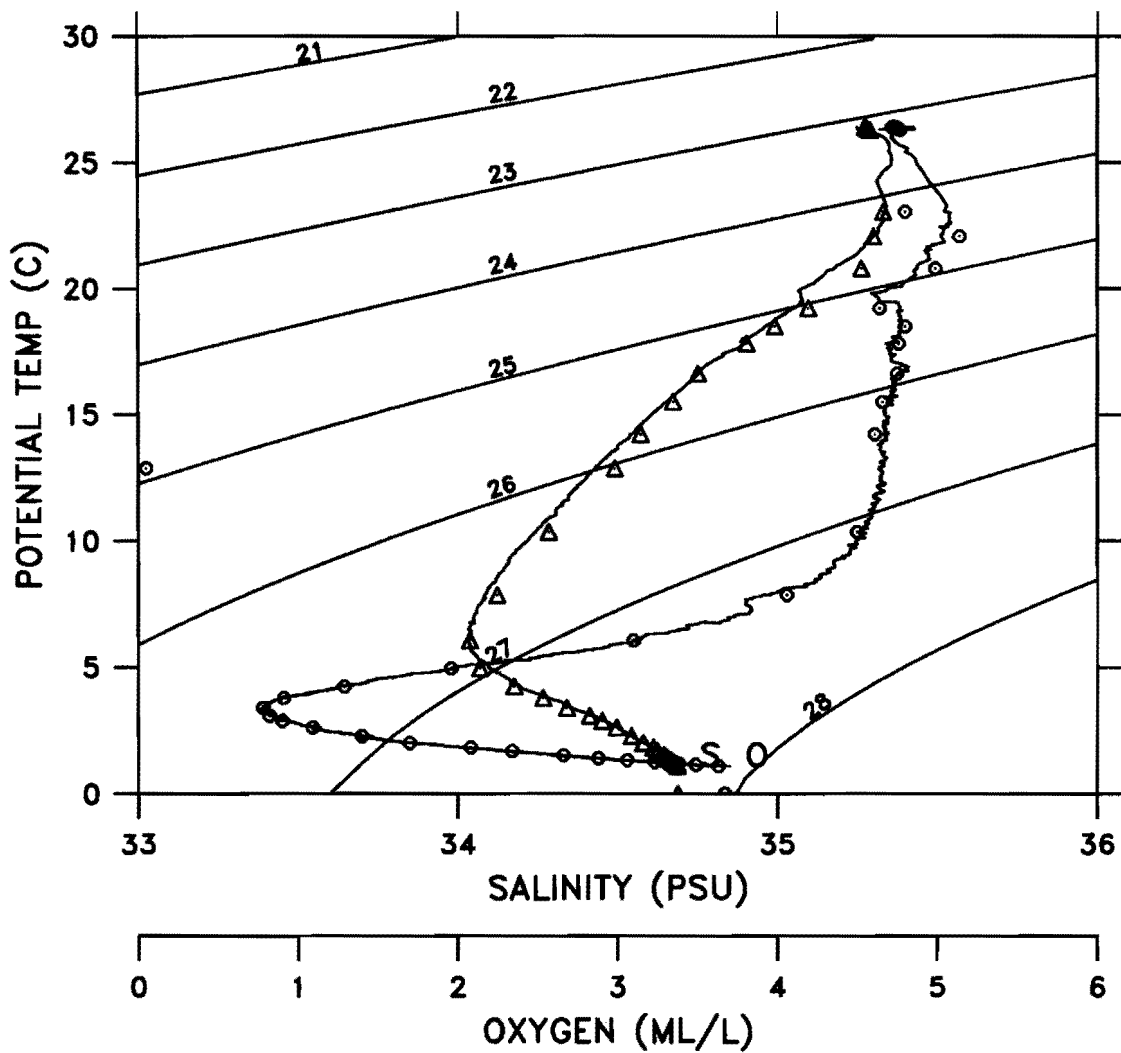


CAST 62-92-VI -063 DATE 04 OCT 92 TIME 0811 GMT  
 LAT 24.02.6N LONG 164.59.1E WEATHER 1 SEA STATE 3  
 BAROMETER 09 WIND DIR 155 T SPD 20 KT VISIBILITY 7  
 CLOUD X AMOUNT 9 DRY 26.0 WET 27.7 DEPTH M

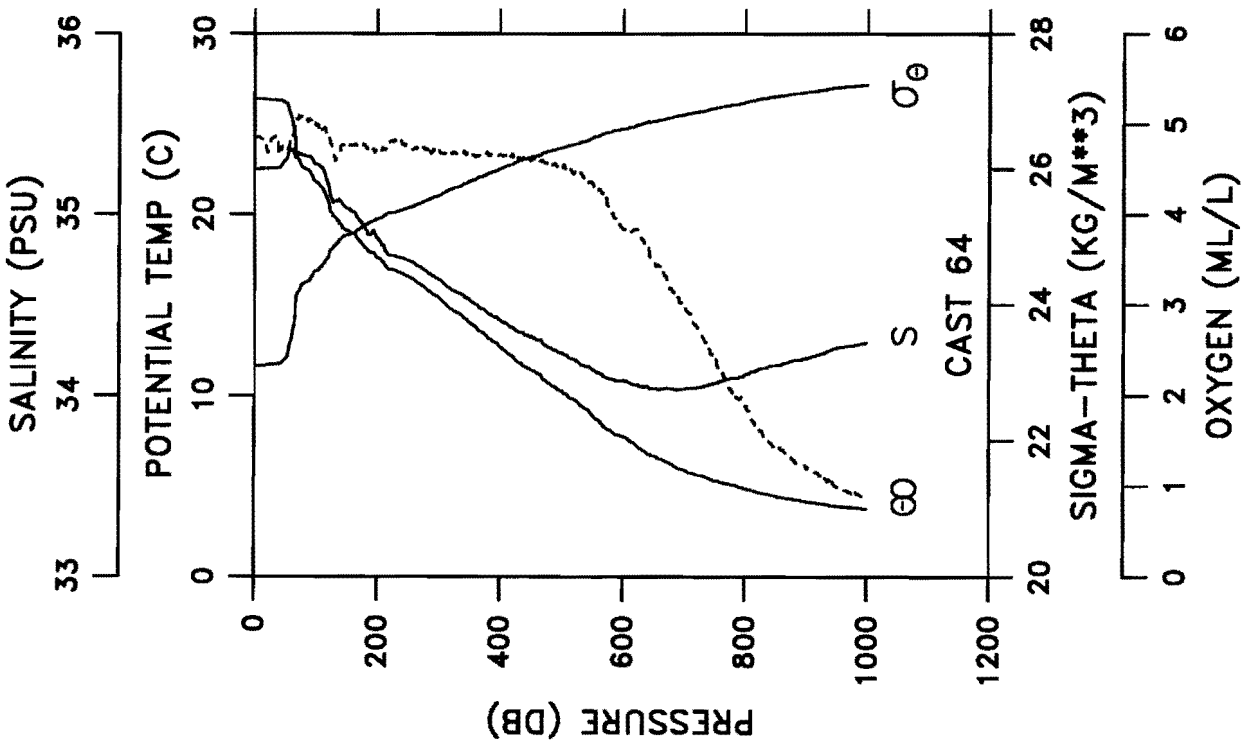


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.235	35.162	4.85	22.766	0.000
10	27.220	35.162	4.88	22.772	0.051
20	27.140	35.162	4.82	22.797	0.102
30	27.079	35.168	4.91	22.821	0.152
40	27.039	35.172	4.91	22.837	0.202
50	27.017	35.173	4.84	22.844	0.253
60	25.846	35.280	4.95	23.295	0.302
70	23.622	35.318	5.08	23.995	0.344
80	22.662	35.323	5.12	24.277	0.382
90	22.225	35.286	5.05	24.373	0.418
100	21.621	35.247	4.81	24.513	0.454
110	20.778	35.183	4.60	24.695	0.487
120	20.009	35.110	4.58	24.845	0.519
130	19.280	35.032	4.55	24.975	0.550
140	19.171	35.027	4.65	24.999	0.580
150	18.859	35.034	4.74	25.084	0.609
160	18.462	34.986	4.76	25.148	0.638
170	17.844	34.894	4.83	25.230	0.667
180	17.567	34.857	4.84	25.270	0.694
190	17.228	34.807	4.82	25.313	0.722
200	16.974	34.778	4.85	25.351	0.749
250	16.301	34.728	4.83	25.470	0.881
300	15.483	34.654	4.78	25.599	1.007
350	14.042	34.529	4.69	25.815	1.126
400	12.270	34.383	4.63	26.059	1.235
450	10.626	34.244	4.60	26.254	1.332
500	9.399	34.167	4.34	26.402	1.422
550	8.398	34.112	3.96	26.517	1.505
600	7.424	34.078	3.48	26.633	1.582
650	6.242	34.073	2.68	26.789	1.653
700	5.654	34.098	2.17	26.883	1.718
750	5.138	34.121	1.82	26.962	1.778
800	4.846	34.194	1.39	27.054	1.835
850	4.126	34.278	1.01	27.199	1.937
900	3.770	34.363	0.90	27.303	2.026
1000	2.486	34.546	1.56	27.568	2.380
1500	1.849	34.617	2.23	27.677	2.652
2000	1.548	34.648	2.63	27.724	2.892
2500	1.379	34.665	2.98	27.750	3.121
3000	1.263	34.676	3.21	27.767	3.347
3500	1.180	34.682	3.43	27.777	3.572
4000	1.092	34.688	3.66	27.789	3.799
4500	1.022	34.694	3.92	27.798	4.029
5000	0.968	34.696	4.14	27.803	4.362

CAST CG2-92-VI -064 DATE 05 OCT 92 TIME 0502 GMT  
LAT 26 01.7N LONG 165 03.9E

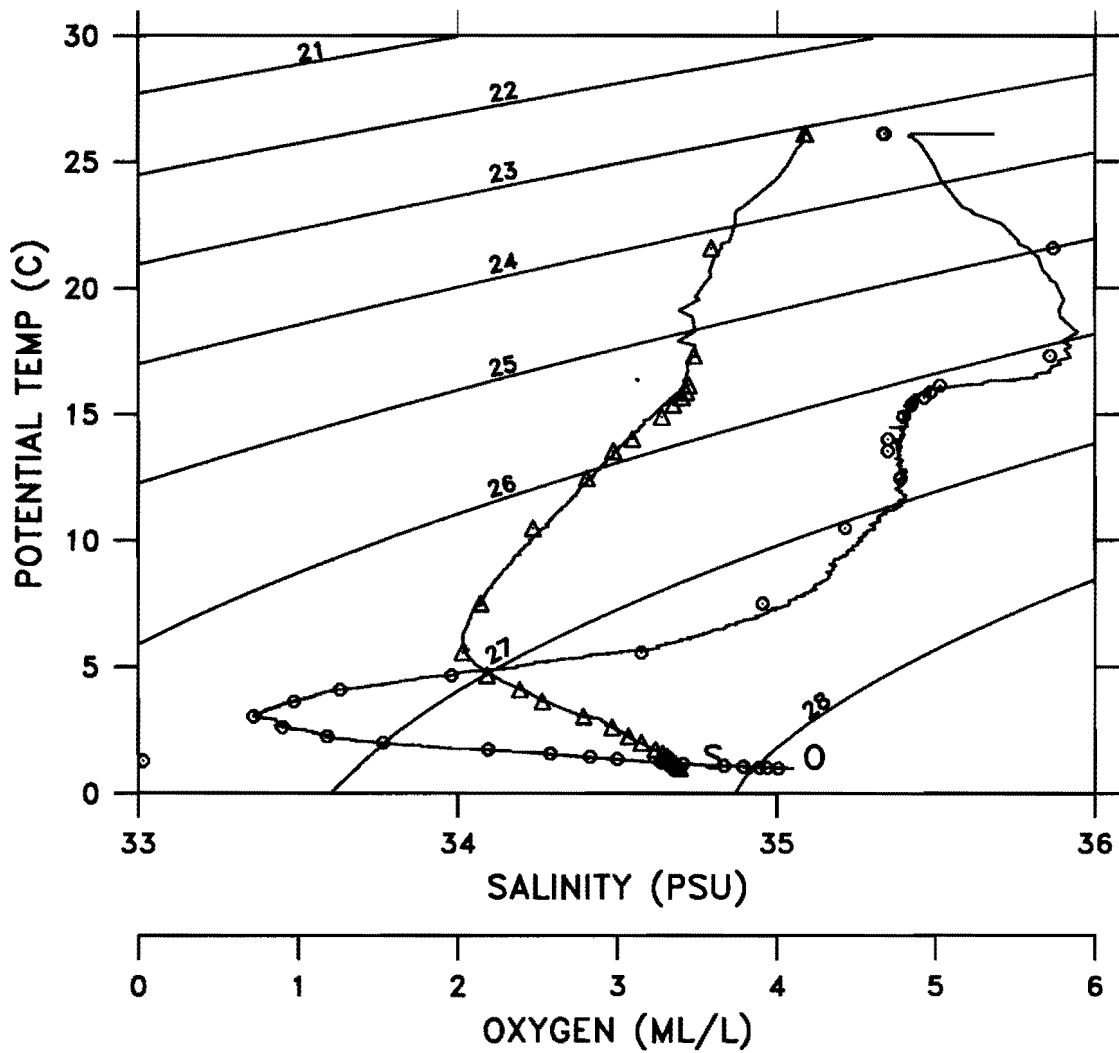


CAST CG2-92-VI -064 DATE 05 OCT 92 TIME 0502 GMT  
 LAT 26 01.7N LONG 165 03.9E WEATHER 1 SEA STATE 5  
 BAROMETER 11 WIND DIR 155 T SPD 18 KT VISIBILITY 7  
 CLOUD 3 AMOUNT 2 DRY 27.8 WET 26.0 DEPTH M

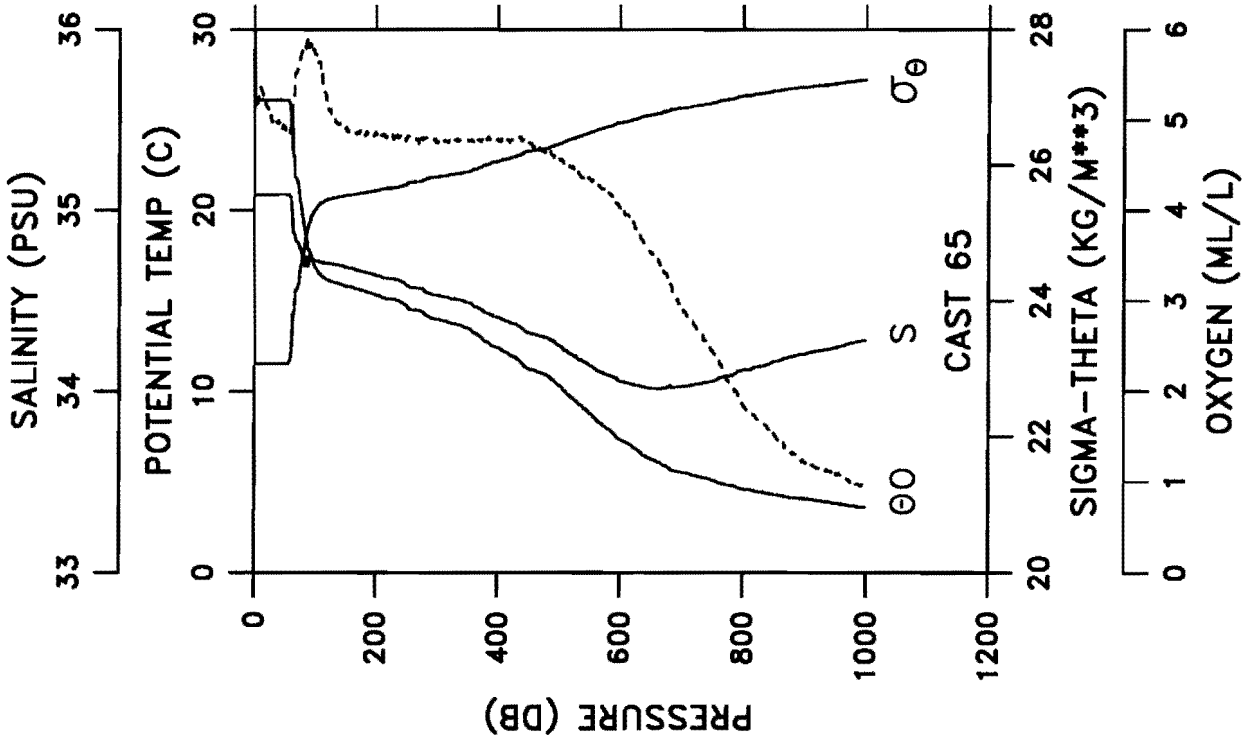


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	26.401	35.250	4.85	23.088	0.000
10	26.387	35.250	4.83	23.102	0.048
20	26.357	35.251	4.69	23.113	0.095
30	26.329	35.252	4.84	23.123	0.143
40	26.312	35.257	4.65	23.131	0.190
50	26.193	35.293	4.76	23.196	0.238
60	25.422	35.350	4.80	23.479	0.283
70	23.089	35.338	5.05	24.166	0.324
80	22.564	35.325	5.06	24.306	0.362
90	22.395	35.316	5.04	24.348	0.398
100	21.775	35.275	4.99	24.491	0.433
110	21.464	35.255	4.93	24.563	0.467
120	20.747	35.168	4.86	24.892	0.501
130	19.852	35.072	4.63	24.857	0.533
140	19.448	35.071	4.75	24.962	0.564
150	19.111	35.034	4.78	25.020	0.594
160	18.937	35.014	4.76	25.049	0.624
170	18.580	34.970	4.78	25.105	0.653
180	18.141	34.922	4.76	25.178	0.682
190	17.872	34.891	4.74	25.221	0.710
200	17.602	34.866	4.72	25.268	0.738
250	16.543	34.745	4.74	25.427	0.872
300	15.406	34.640	4.72	25.606	1.000
350	14.023	34.531	4.69	25.820	1.118
400	12.677	34.415	4.66	26.004	1.228
450	11.431	34.326	4.60	26.172	1.329
500	10.264	34.234	4.52	26.309	1.423
550	8.918	34.143	4.35	26.461	1.510
600	7.735	34.085	3.84	26.594	1.590
650	6.670	34.041	3.45	26.708	1.684
700	5.893	34.037	2.96	26.805	1.733
750	5.294	34.065	2.38	26.900	1.797
800	4.875	34.116	1.89	26.989	1.856
900	4.148	34.204	1.21	27.138	1.963
1000	3.742	34.292	0.89	27.249	2.058
1500	2.426	34.524	1.23	27.555	2.422
2000	1.815	34.607	2.01	27.671	2.698
2500	1.513	34.646	2.64	27.725	2.938
3000	1.345	34.665	2.99	27.752	3.165
3500	1.233	34.676	3.25	27.769	3.387
4000	1.145	34.685	3.49	27.782	3.610
4402	1.086	34.689	3.67	27.790	3.780

CAST CG2-92-VI -065 DATE 05 OCT 92 TIME 2159 GMT  
LAT 28 02.0N LONG 165 00.0E

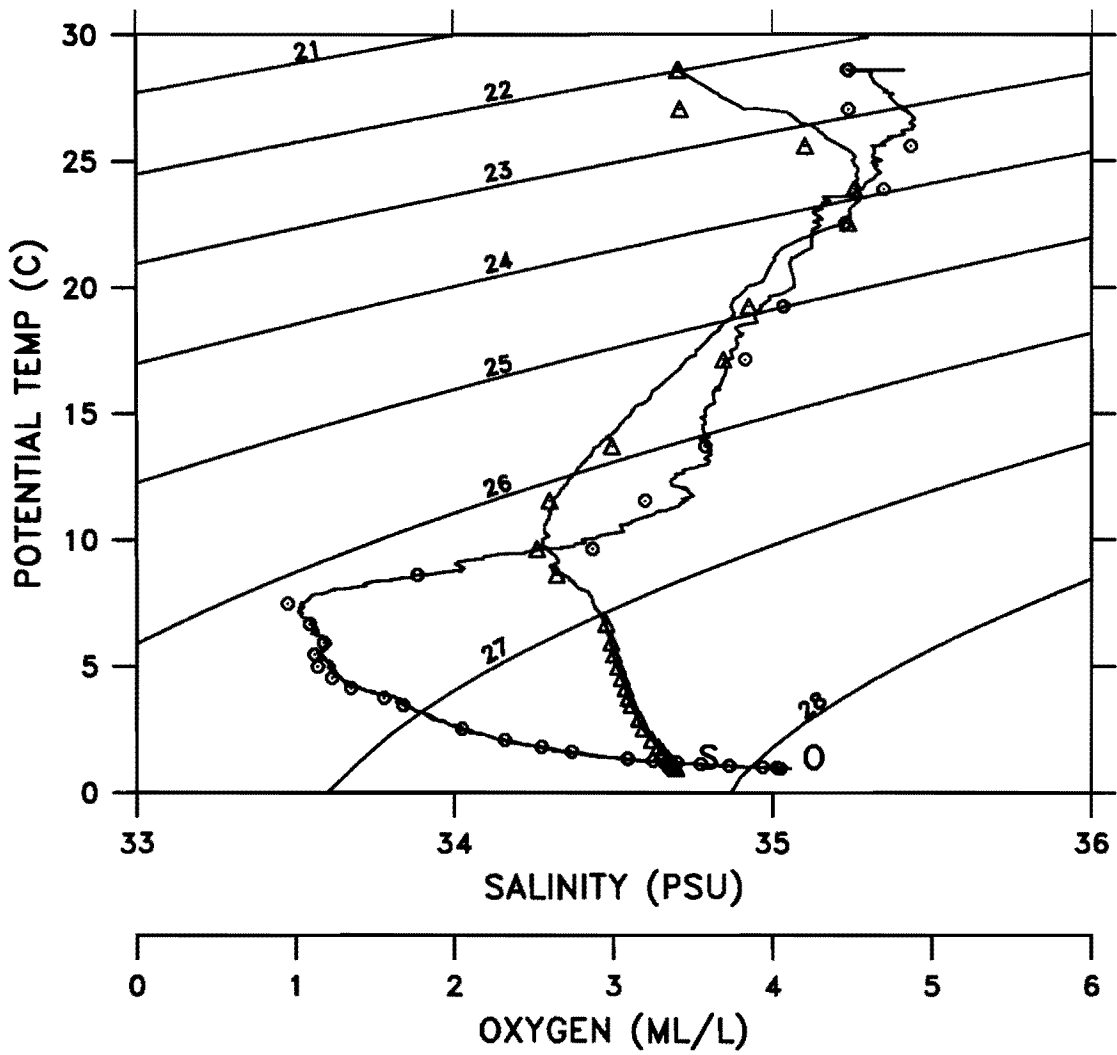


CAST CG2-92-VI-065 DATE 05 OCT 92 TIME 2159 GMT  
 LAT 28 02.0N LONG 165 00.0E WEATHER 1 SEA STATE 5  
 BAROMETER 16 WIND DIR 153 T SPD 21 KT VISIBILITY 7  
 CLOUD 9 AMOUNT 2 DRY 26.3 WET 24.8 DEPTH 5925 M

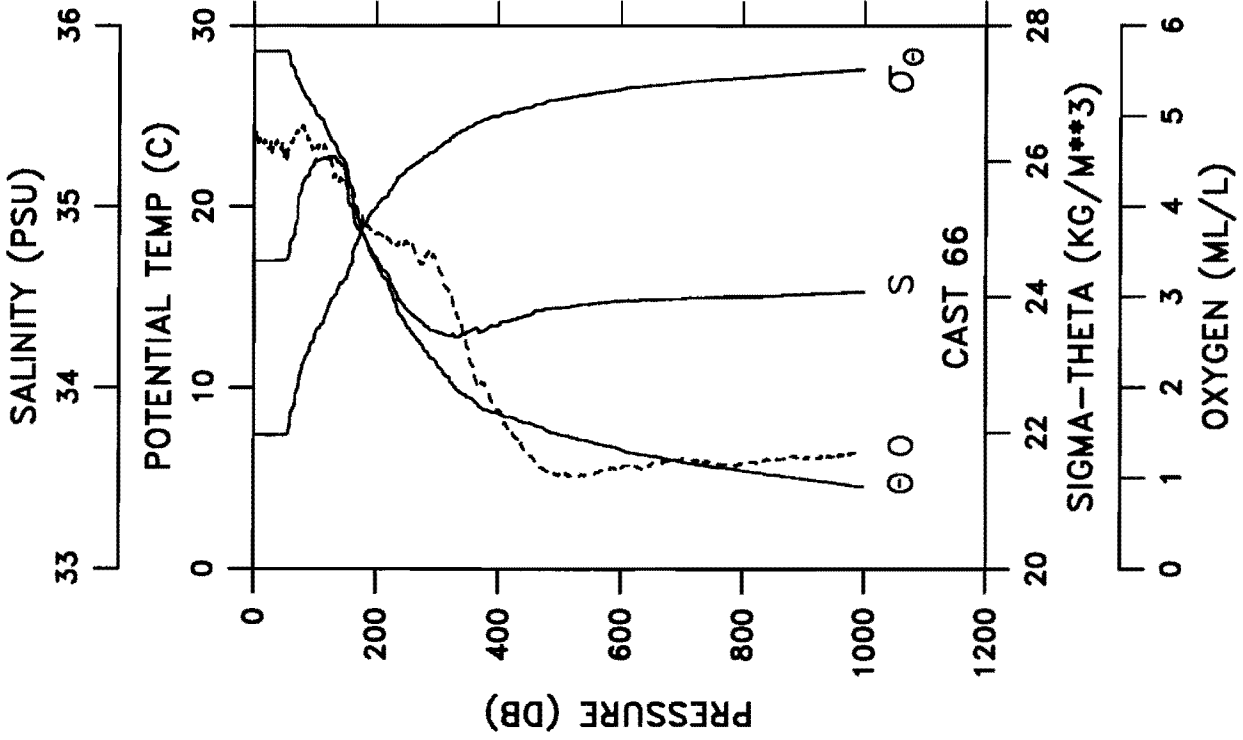


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D
0	26.104	35.087	5.18	23.068	0.000
10	26.101	35.086	5.36	23.069	0.048
20	26.100	35.087	5.15	23.069	0.096
30	26.100	35.088	4.98	23.070	0.144
40	26.098	35.088	4.96	23.071	0.192
50	26.089	35.088	4.91	23.074	0.240
60	25.469	35.062	4.93	23.247	0.288
70	21.658	34.825	5.56	24.182	0.328
80	19.551	34.756	5.81	24.694	0.364
90	17.719	34.742	5.85	25.145	0.394
100	16.837	34.719	5.73	25.338	0.421
110	16.365	34.712	5.50	25.443	0.447
120	16.159	34.706	5.20	25.486	0.473
130	16.033	34.700	5.03	25.510	0.498
140	15.931	34.695	4.95	25.530	0.523
150	15.797	34.685	4.91	25.552	0.548
160	15.751	34.680	4.87	25.558	0.572
170	15.643	34.669	4.85	25.575	0.597
180	15.554	34.661	4.85	25.589	0.622
190	15.439	34.651	4.83	25.607	0.646
200	15.339	34.642	4.87	25.622	0.670
250	14.767	34.588	4.78	25.706	0.790
300	13.999	34.530	4.75	25.825	0.904
350	13.497	34.490	4.77	25.898	1.016
400	12.405	34.408	4.78	26.052	1.122
450	11.241	34.325	4.75	26.207	1.221
500	10.325	34.253	4.56	26.313	1.315
550	8.774	34.141	4.34	26.481	1.401
600	7.343	34.056	4.03	26.627	1.480
650	6.272	34.016	3.54	26.740	1.553
700	5.514	34.026	2.92	26.843	1.619
750	5.094	34.054	2.45	26.914	1.682
800	4.605	34.116	1.86	27.019	1.740
900	4.078	34.204	1.23	27.145	1.846
1000	3.589	34.281	0.93	27.256	1.940
1500	2.422	34.514	1.09	27.548	2.306
2000	1.799	34.603	1.89	27.669	2.583
2500	1.518	34.646	2.64	27.725	2.823
3000	1.347	34.665	2.95	27.752	3.050
3500	1.238	34.675	3.21	27.768	3.273
4000	1.155	34.683	3.43	27.780	3.496
4500	1.082	34.689	3.67	27.790	3.722
5000	1.030	34.693	3.87	27.796	3.952
5544	0.985	34.696	4.04	27.802	4.209

CAST CG2-92-VI -066 DATE 08 OCT 92 TIME 1448 GMT  
LAT 16 00.5N LONG 164 59.5E

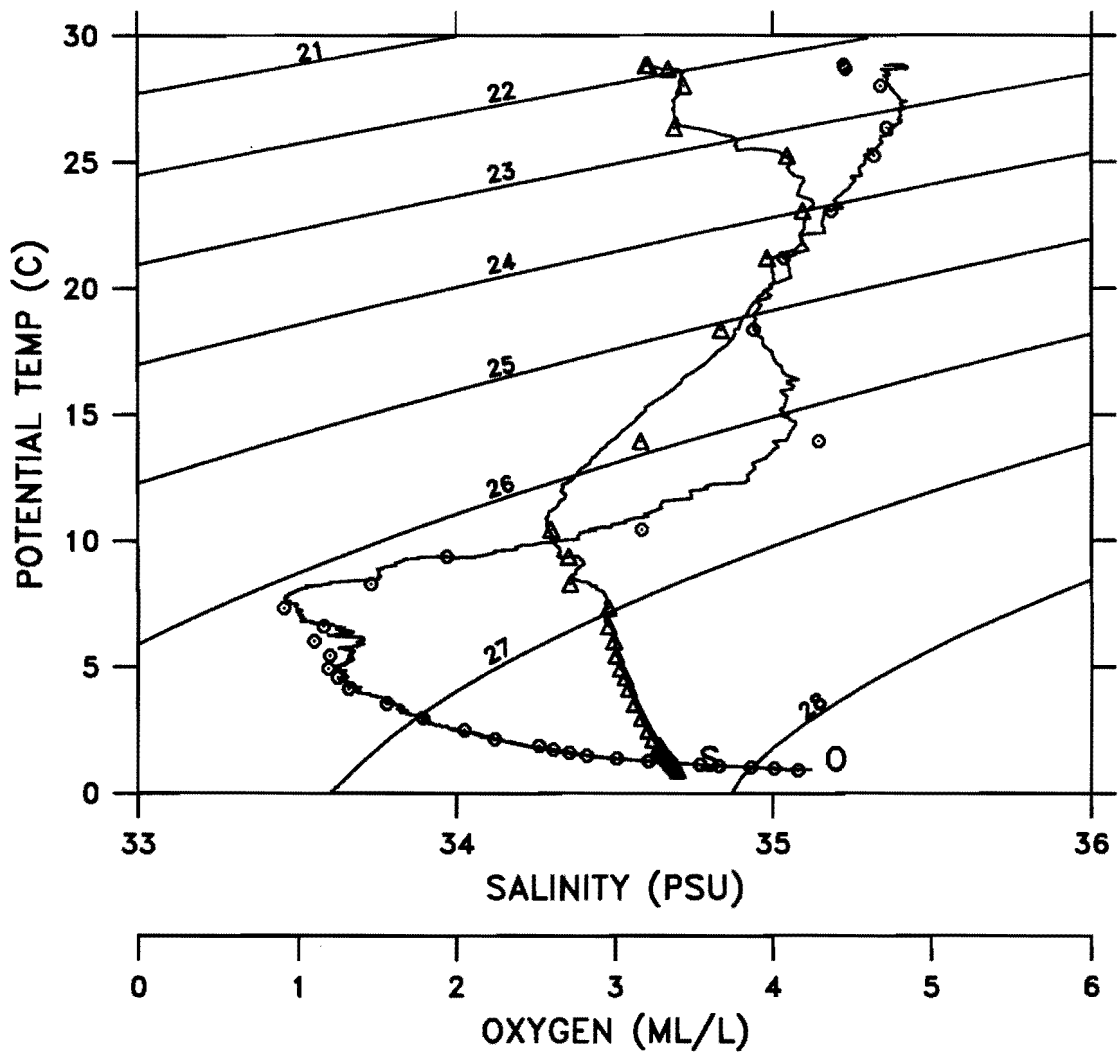


CAST CG2-92-VI -066 DATE 08 OCT 92 TIME 1448 GMT  
 LAT 16 00.5N LONG 164 59.5E WEATHER 1 SEA STATE 5  
 BAROMETER 06 WIND DIR 082 T SPD 24 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 2 DRY 29.0 WET 26.5 DEPTH 5388 M



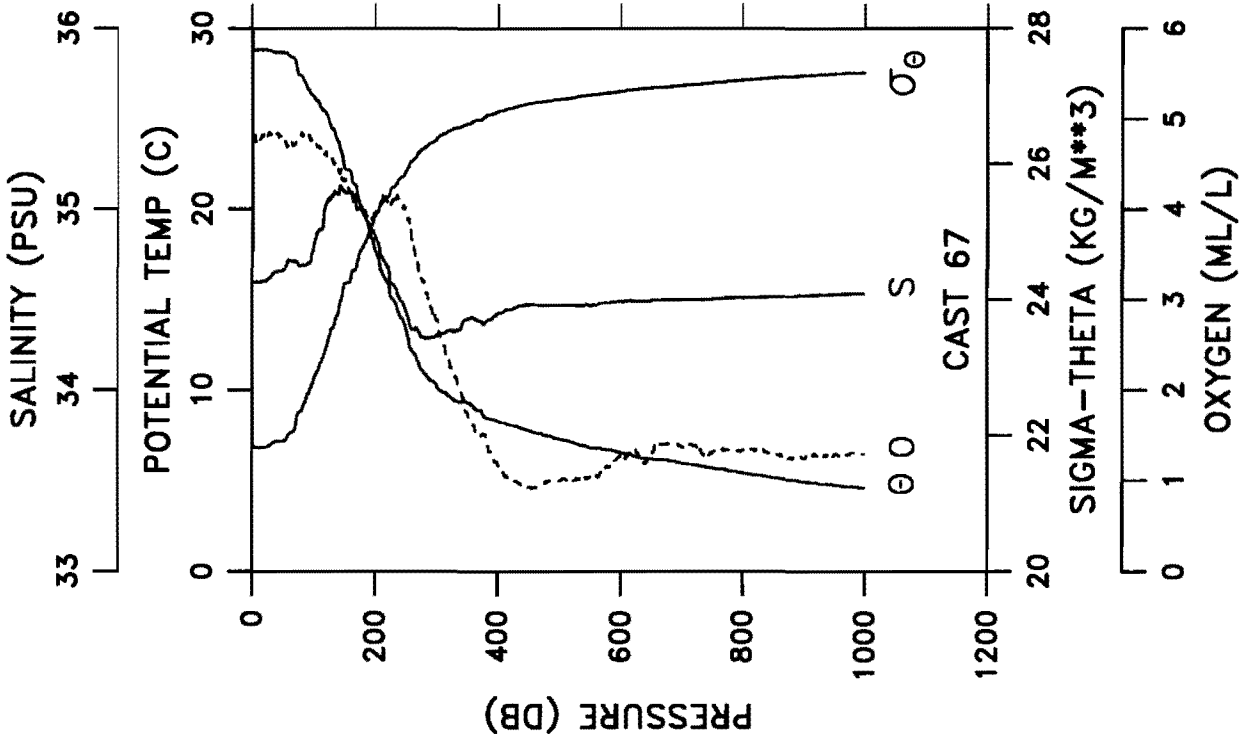
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	28.599	34.698	4.82	21.973	0.000
10	28.598	34.698	4.71	21.973	0.058
20	28.605	34.698	4.70	21.971	0.117
30	28.605	34.699	4.61	21.972	0.175
40	28.604	34.700	4.72	21.973	0.234
50	28.597	34.703	4.59	21.977	0.292
60	27.812	34.809	4.71	22.315	0.351
70	27.056	34.911	4.84	22.635	0.405
80	26.380	35.127	4.89	23.012	0.455
90	25.895	35.189	4.75	23.196	0.503
100	25.255	35.255	4.64	23.458	0.549
110	24.811	35.259	4.65	23.596	0.593
120	24.147	35.261	4.59	23.797	0.635
130	23.545	35.276	4.32	23.986	0.676
140	22.757	35.244	4.31	24.190	0.715
150	22.350	35.180	4.28	24.257	0.752
160	21.053	35.007	4.12	24.486	0.788
170	19.331	34.872	3.94	24.840	0.821
180	18.403	34.834	3.77	25.046	0.852
190	17.499	34.760	3.74	25.211	0.881
200	16.940	34.717	3.69	25.313	0.908
250	13.348	34.431	3.61	25.882	1.030
300	11.267	34.308	3.58	26.189	1.133
350	9.462	34.308	2.44	26.500	1.220
400	8.603	34.343	1.76	26.667	1.295
450	8.053	34.398	1.26	26.793	1.364
500	7.410	34.439	1.05	26.919	1.427
550	7.032	34.459	1.03	26.989	1.466
600	6.589	34.477	1.11	27.063	1.542
650	6.203	34.485	1.15	27.120	1.594
700	5.914	34.490	1.20	27.161	1.645
750	5.618	34.497	1.18	27.203	1.694
800	5.417	34.498	1.17	27.229	1.741
850	5.417	34.514	1.23	27.296	1.832
900	4.948	34.514	1.29	27.353	1.917
1000	4.533	34.526	1.29	27.556	2.275
1500	2.908	34.577	1.86	27.556	2.275
2000	2.090	34.621	2.31	27.661	2.563
2500	1.856	34.650	2.71	27.718	2.814
3000	1.444	34.666	2.89	27.746	3.049
3500	1.266	34.676	3.20	27.767	3.275
4000	1.155	34.683	3.43	27.780	3.500
4500	1.059	34.691	3.75	27.793	3.725
5000	0.984	34.696	4.03	27.802	3.950
5112	0.971	34.697	4.06	27.804	4.001

CAST CG2-92-VI -067 DATE 09 OCT 92 TIME 0700 GMT  
LAT 14 00.5N LONG 164 59.4E



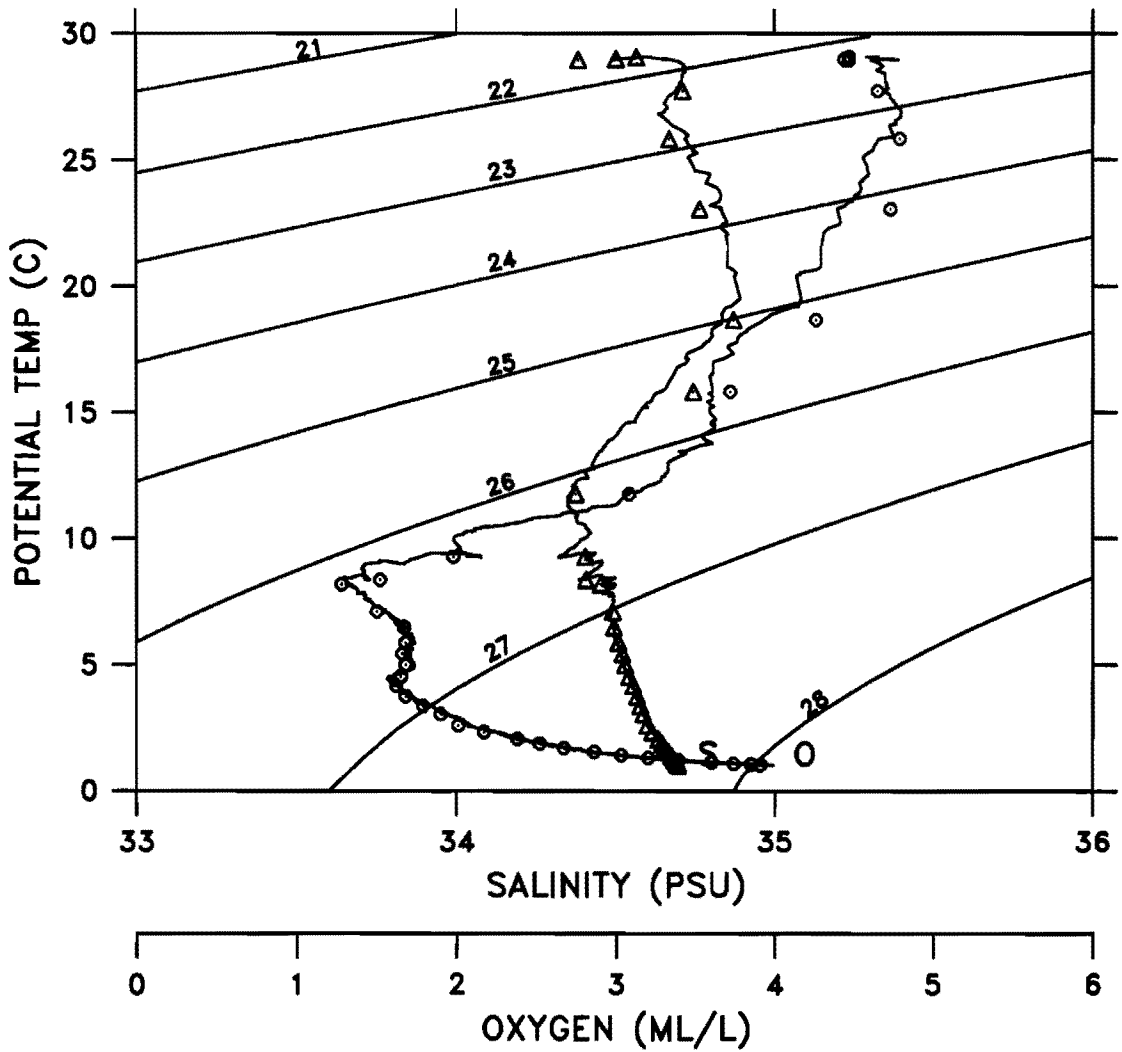


CAST CG2-92-VI-067 DATE 09 OCT 92 TIME 0700 GMT  
 LAT 14 00.5N LONG 164 59.4E WEATHER 2 SEA STATE 4  
 BAROMETER 06 WIND DIR 160 T SPD 18 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 8 DRY 26.8 WET 24.6 DEPTH 5477 M

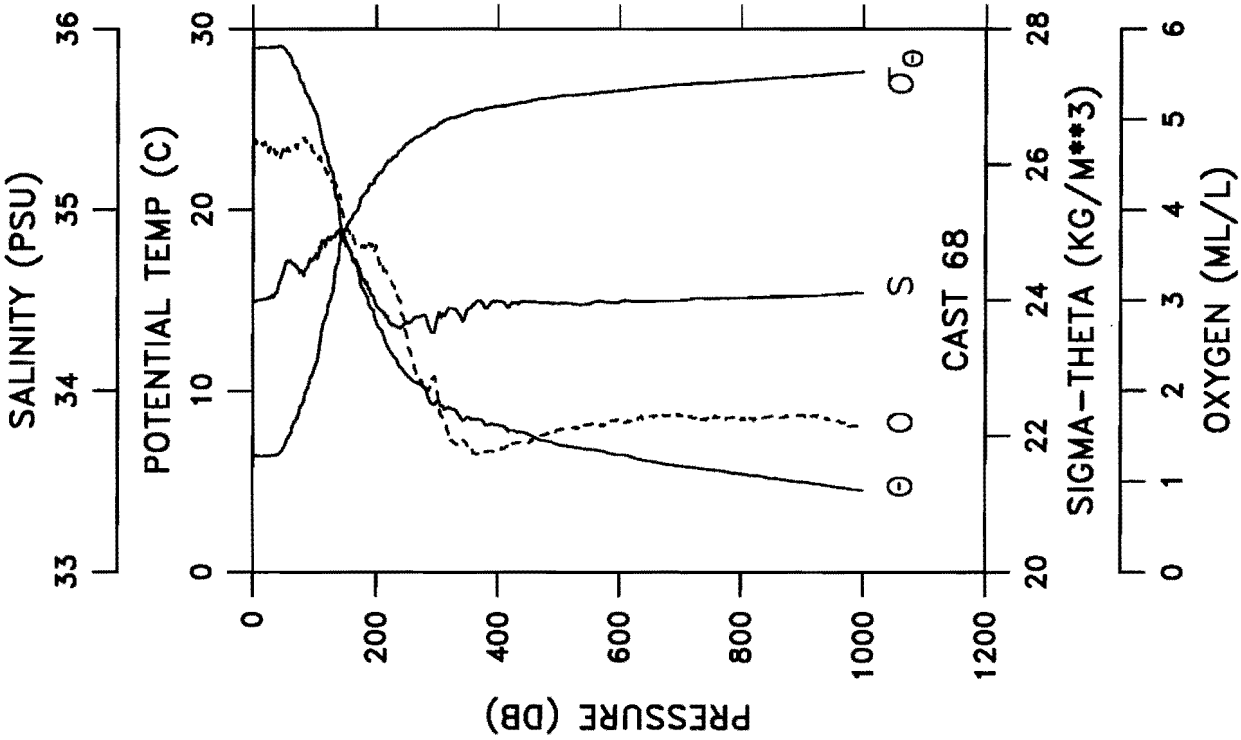


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.796	34.595	4.82	21.830	0.000
10	28.828	34.595	4.76	21.820	0.060
20	28.825	34.599	4.81	21.823	0.120
30	28.768	34.623	4.83	21.860	0.179
40	28.672	34.653	4.84	21.915	0.239
50	28.668	34.658	4.74	21.920	0.298
60	28.483	34.714	4.72	22.023	0.357
70	28.156	34.705	4.72	22.124	0.415
80	27.410	34.686	4.85	22.352	0.470
90	26.647	34.700	4.80	22.606	0.524
100	26.218	34.802	4.74	22.818	0.576
110	25.642	34.881	4.67	23.056	0.626
120	25.258	35.030	4.58	23.287	0.673
130	24.439	35.068	4.55	23.563	0.718
140	23.695	35.078	4.43	23.792	0.761
150	22.208	35.092	4.33	24.231	0.800
160	22.049	35.087	4.18	24.272	0.838
170	20.779	34.997	4.11	24.553	0.873
180	19.878	34.972	3.96	24.774	0.907
190	18.856	34.908	3.88	24.989	0.938
200	17.662	34.845	3.96	25.237	0.967
250	13.334	34.437	3.97	25.890	1.090
300	10.286	34.298	2.78	26.355	1.185
350	9.312	34.389	1.75	26.590	1.265
400	8.282	34.421	1.18	26.777	1.337
450	7.774	34.471	0.92	26.892	1.401
500	7.303	34.468	0.99	27.022	1.461
550	6.831	34.466	1.04	27.022	1.518
600	6.560	34.489	1.29	27.076	1.573
650	6.209	34.495	1.28	27.127	1.625
700	5.971	34.498	1.37	27.160	1.676
750	5.689	34.502	1.30	27.198	1.725
800	5.404	34.509	1.33	27.239	1.772
900	4.909	34.521	1.25	27.306	1.862
1000	4.583	34.531	1.30	27.351	1.946
1500	2.853	34.583	1.81	27.557	2.307
2000	2.042	34.628	2.35	27.670	2.590
2500	1.667	34.654	2.64	27.720	2.838
3000	1.417	34.668	2.94	27.750	3.070
3500	1.251	34.680	3.24	27.771	3.295
4000	1.142	34.686	3.53	27.784	3.517
4500	1.054	34.692	3.82	27.794	3.740
5000	0.969	34.698	4.10	27.804	3.964
5317	0.925	34.701	4.20	27.810	4.108

CAST CG2-92-VI -068 DATE 09 OCT 92 TIME 2329 GMT  
LAT 12 35.3N LONG 165 22.0E

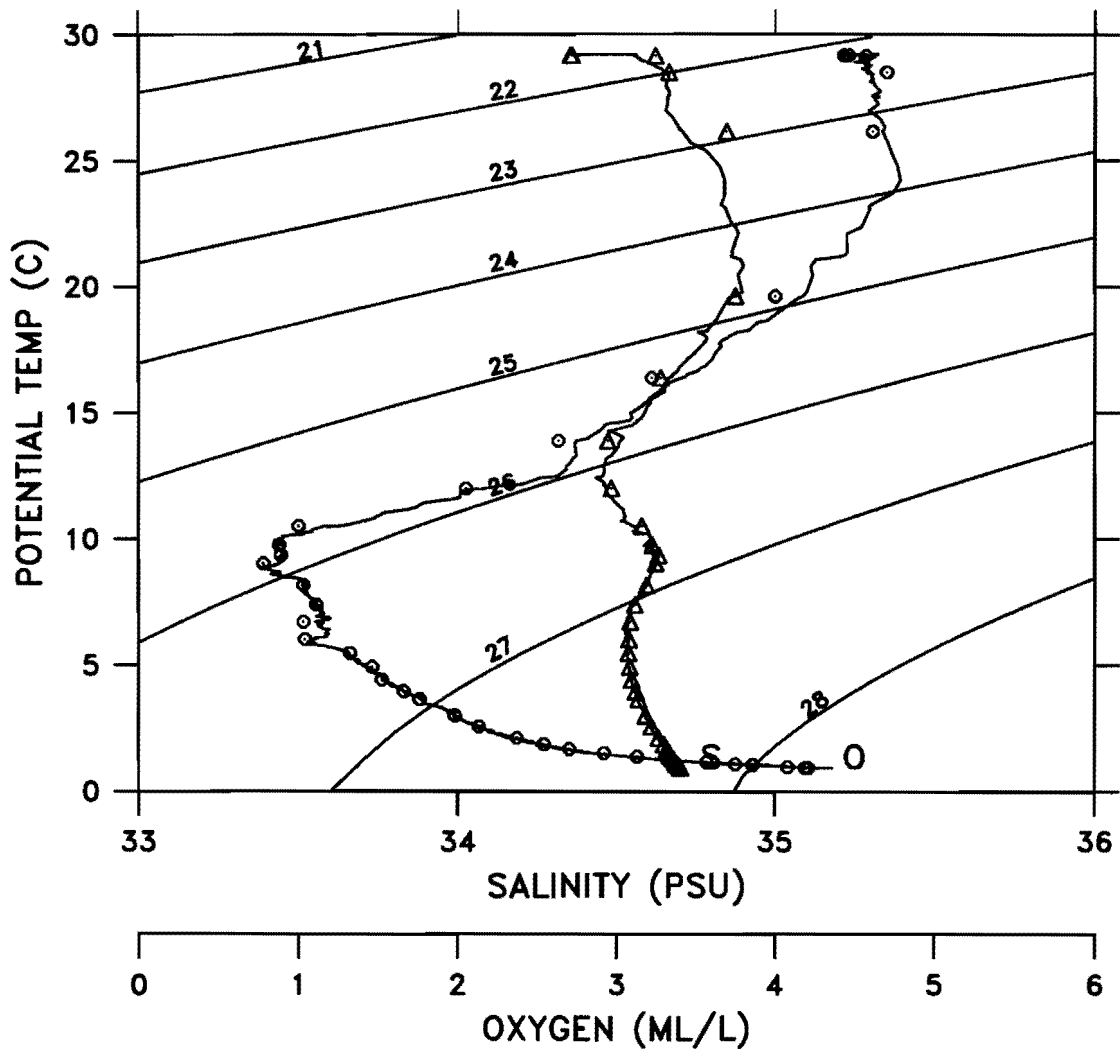


CAST 68-92-VI -068 DATE 09 OCT 92 TIME 2329 GMT  
 LAT 12 35.3N LONG 165 22.0E WEATHER 6 SEA STATE 6  
 BAROMETER 07 WIND DIR 088 T SPD 27 KT VISIBILITY X  
 CLOUD 7 AMOUNT 7 DRY 27.0 WET 25.1 DEPTH 5024 M

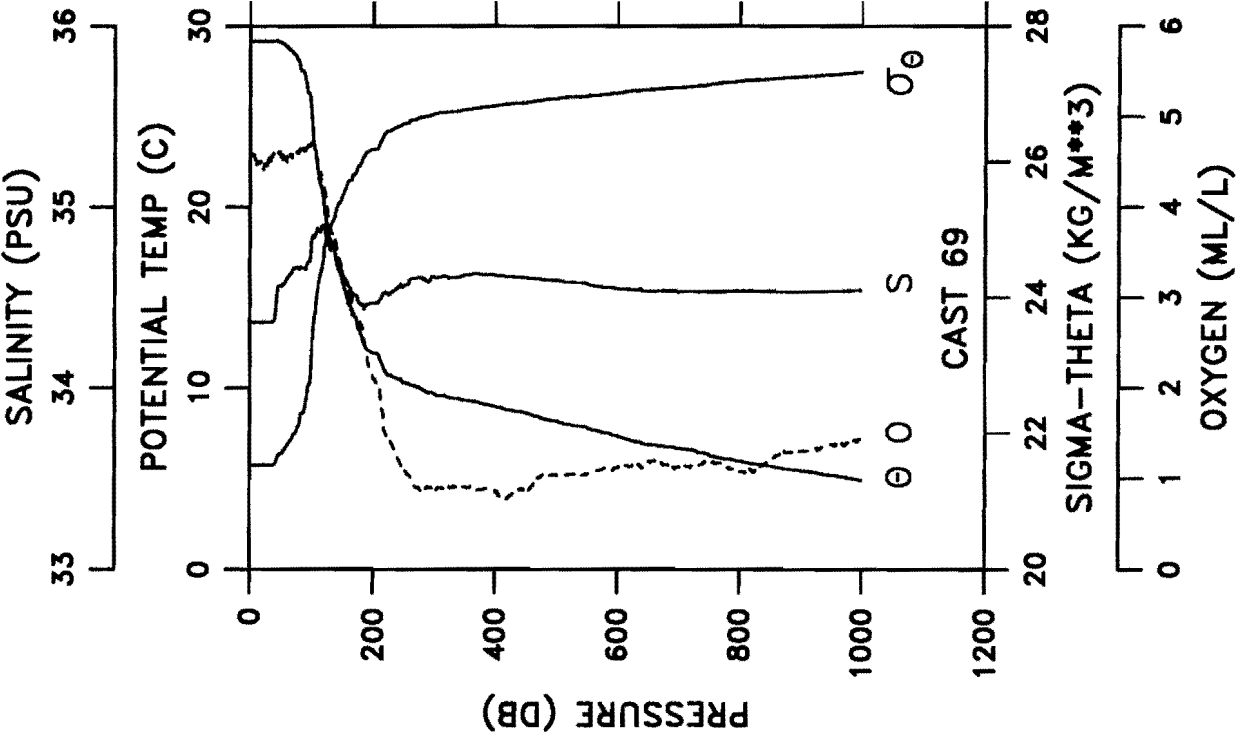


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	28.939	34.494	4.78	21.707	0.000
10	28.966	34.501	4.71	21.703	0.061
20	28.970	34.505	4.73	21.705	0.122
30	28.985	34.519	4.65	21.710	0.183
40	29.019	34.553	4.64	21.724	0.244
50	28.970	34.663	4.64	21.823	0.305
60	28.489	34.719	4.67	22.025	0.364
70	27.730	34.690	4.69	22.251	0.420
80	27.010	34.658	4.79	22.459	0.475
90	26.209	34.698	4.73	22.742	0.528
100	25.420	34.738	4.62	23.017	0.578
110	24.085	34.783	4.53	23.453	0.625
120	23.050	34.830	4.39	23.792	0.668
130	21.716	34.850	4.30	24.184	0.707
140	19.524	34.892	4.17	24.805	0.742
150	18.281	34.801	3.82	25.051	0.773
160	17.470	34.747	3.72	25.208	0.802
170	16.812	34.693	3.61	25.324	0.829
180	15.492	34.613	3.60	25.565	0.854
190	14.617	34.561	3.60	25.717	0.879
200	13.777	34.471	3.61	25.825	0.902
250	10.867	34.376	2.61	26.314	1.001
300	9.398	34.395	2.00	26.580	1.082
350	8.538	34.450	1.39	26.761	1.153
400	8.128	34.497	1.34	26.860	1.217
450	7.602	34.491	1.43	26.933	1.279
500	7.017	34.482	1.57	27.008	1.336
550	6.768	34.478	1.63	27.039	1.392
600	6.462	34.490	1.69	27.090	1.446
650	6.111	34.496	1.72	27.140	1.497
700	5.845	34.501	1.72	27.178	1.547
750	5.632	34.506	1.70	27.209	1.595
800	5.402	34.514	1.68	27.243	1.642
900	4.982	34.522	1.73	27.299	1.731
1000	4.512	34.541	1.58	27.366	1.815
1500	2.855	34.591	2.00	27.572	2.166
2000	2.034	34.633	2.42	27.675	2.445
2500	1.674	34.654	2.71	27.720	2.691
3000	1.456	34.668	2.97	27.747	2.926
3500	1.273	34.678	3.23	27.768	3.154
4000	1.137	34.686	3.57	27.784	3.377
4500	1.052	34.692	3.87	27.795	3.599
4758	1.025	34.694	3.99	27.797	3.715

CAST CG2-92-VI -069 DATE 10 OCT 92 TIME 2001 GMT  
LAT 10 00.5N LONG 165 00.1E

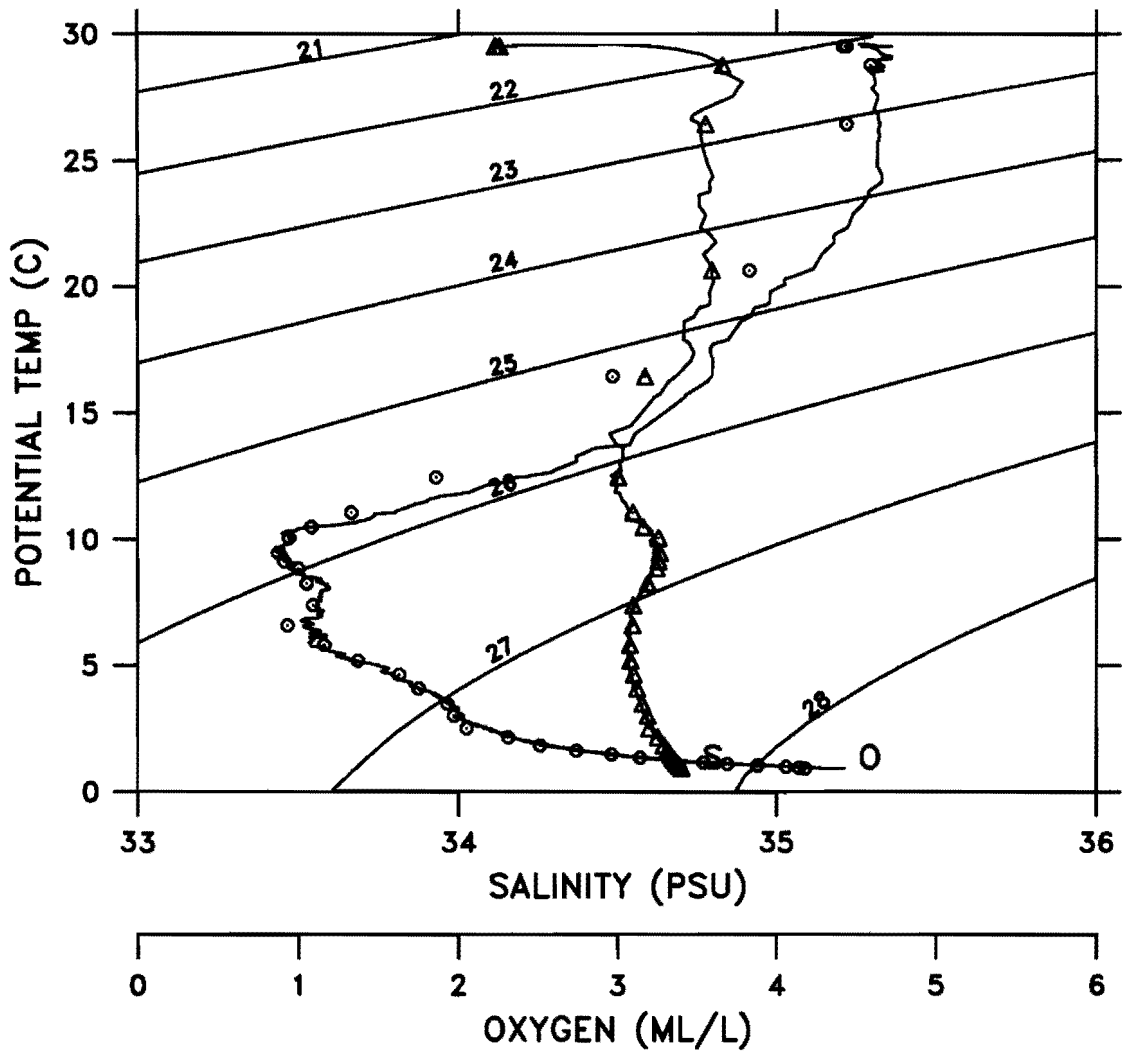


CAST 62-92-M-089 DATE 10 OCT 92 TIME 2001 GMT  
 LAT 10 00.5N LONG 165 00.1E WEATHER 1 SEA STATE 5  
 BAROMETER 08 WIND DIR 185 T SPD 16 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 6 DRY 29.5 WET 26.0 DEPTH 5106 M

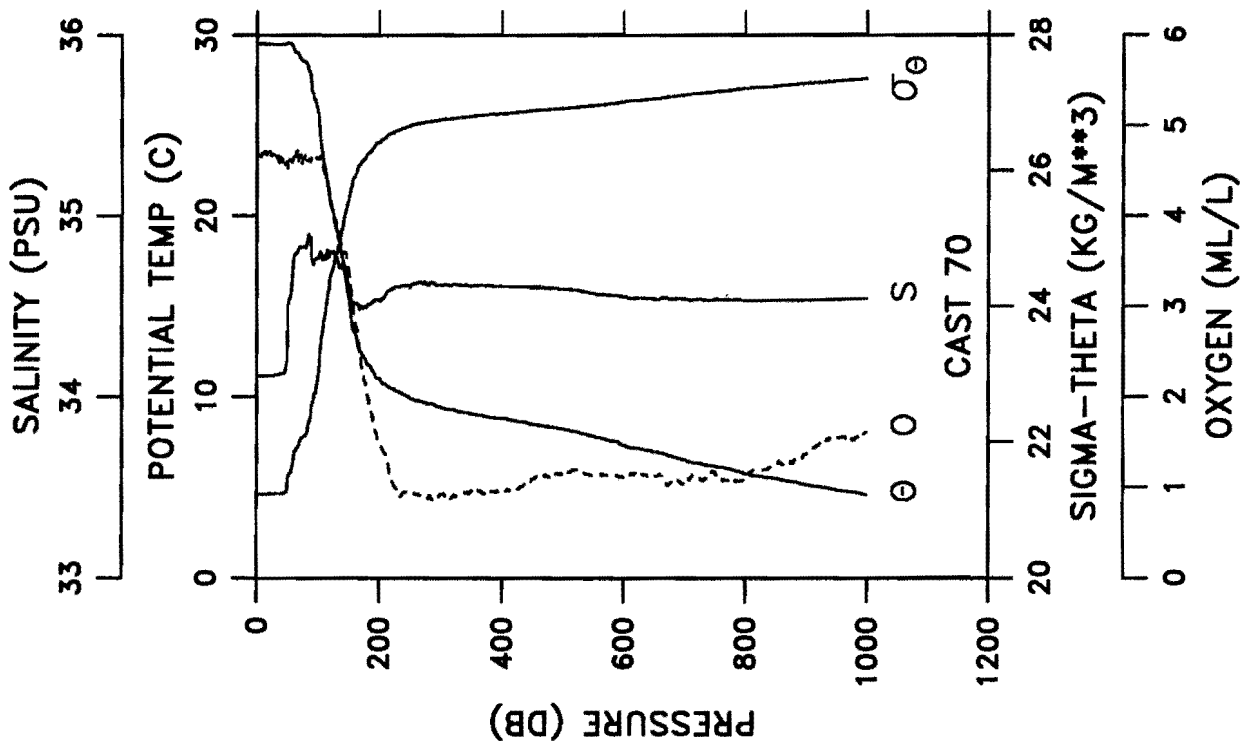


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	29.169	34.363	4.58	21.532	0.000
10	29.172	34.363	4.45	21.530	0.063
20	29.166	34.362	4.51	21.532	0.125
30	29.167	34.363	4.53	21.532	0.188
40	29.174	34.376	4.61	21.540	0.251
50	29.126	34.564	4.56	21.697	0.313
60	28.847	34.604	4.57	21.820	0.373
70	28.495	34.656	4.60	21.976	0.433
80	27.935	34.654	4.63	22.158	0.491
90	26.966	34.653	4.59	22.469	0.546
100	24.763	34.824	4.77	23.282	0.598
110	21.878	34.876	4.45	24.159	0.639
120	19.782	34.896	4.20	24.741	0.675
130	18.206	34.758	3.76	25.035	0.706
140	16.840	34.698	3.55	25.321	0.734
150	15.843	34.633	3.30	25.502	0.760
160	14.582	34.558	2.97	25.723	0.785
170	13.908	34.514	2.76	25.832	0.807
180	12.948	34.460	2.69	25.966	0.829
190	12.123	34.457	2.31	26.144	0.848
200	11.952	34.466	2.10	26.184	0.867
250	10.280	34.562	1.08	26.562	0.950
300	9.675	34.612	0.86	26.770	1.023
350	9.323	34.622	0.91	26.770	1.092
400	8.977	34.623	0.85	26.827	1.158
450	8.612	34.608	0.84	26.873	1.221
500	8.159	34.592	1.04	26.930	1.283
550	7.820	34.575	1.04	26.967	1.342
600	7.359	34.549	1.12	27.013	1.400
650	6.872	34.534	1.19	27.070	1.456
700	6.682	34.529	1.13	27.084	1.510
750	6.314	34.529	1.18	27.140	1.562
800	5.964	34.536	1.07	27.190	1.612
900	5.422	34.531	1.30	27.254	1.708
1000	4.862	34.539	1.43	27.323	1.797
1500	2.990	34.590	1.98	27.558	2.162
2000	2.101	34.630	2.35	27.668	2.448
2500	1.733	34.653	2.60	27.715	2.699
3000	1.465	34.670	2.89	27.748	2.935
3500	1.261	34.680	3.32	27.770	3.161
4000	1.108	34.691	3.66	27.790	3.381
4500	1.044	34.695	3.93	27.797	3.601
5000	0.935	34.703	4.26	27.811	3.820
5139	0.931	34.702	4.30	27.811	3.882

CAST CG2-92-VI -070 DATE 11 OCT 92 TIME 1050 GMT  
LAT 08 00.2N LONG 165 00.3E

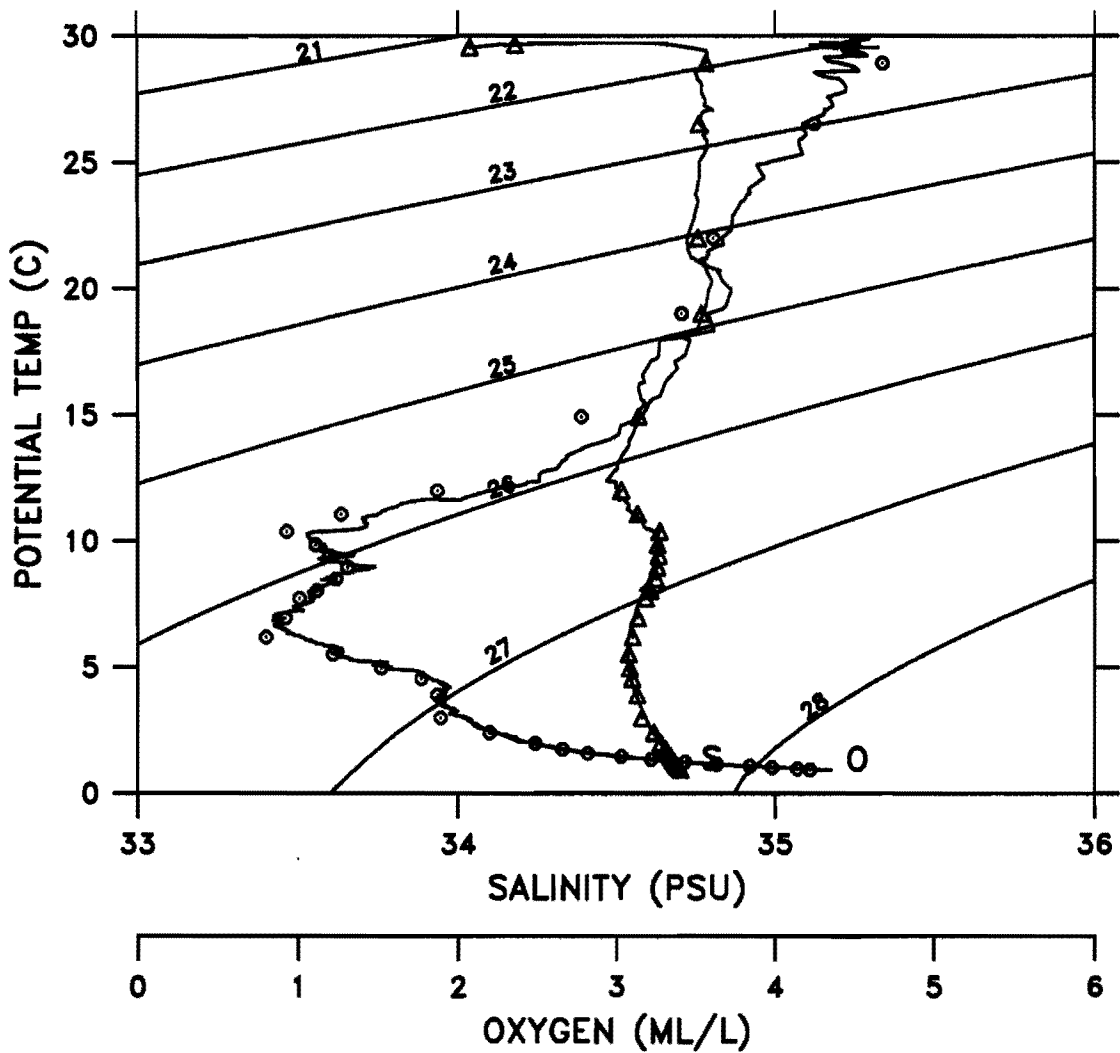


CAST CG2-92-VI -070 DATE 11 OCT 92 TIME 1050 GMT  
 LAT 08 00.2N LONG 165 00.3E WEATHER 4 SEA STATE 4  
 BAROMETER 09 WIND DIR 180 T SPD 07 KT VISIBILITY 7  
 CLOUD 3 AMOUNT 3 DRY 28.8 WET 25.8 DEPTH 5229 M



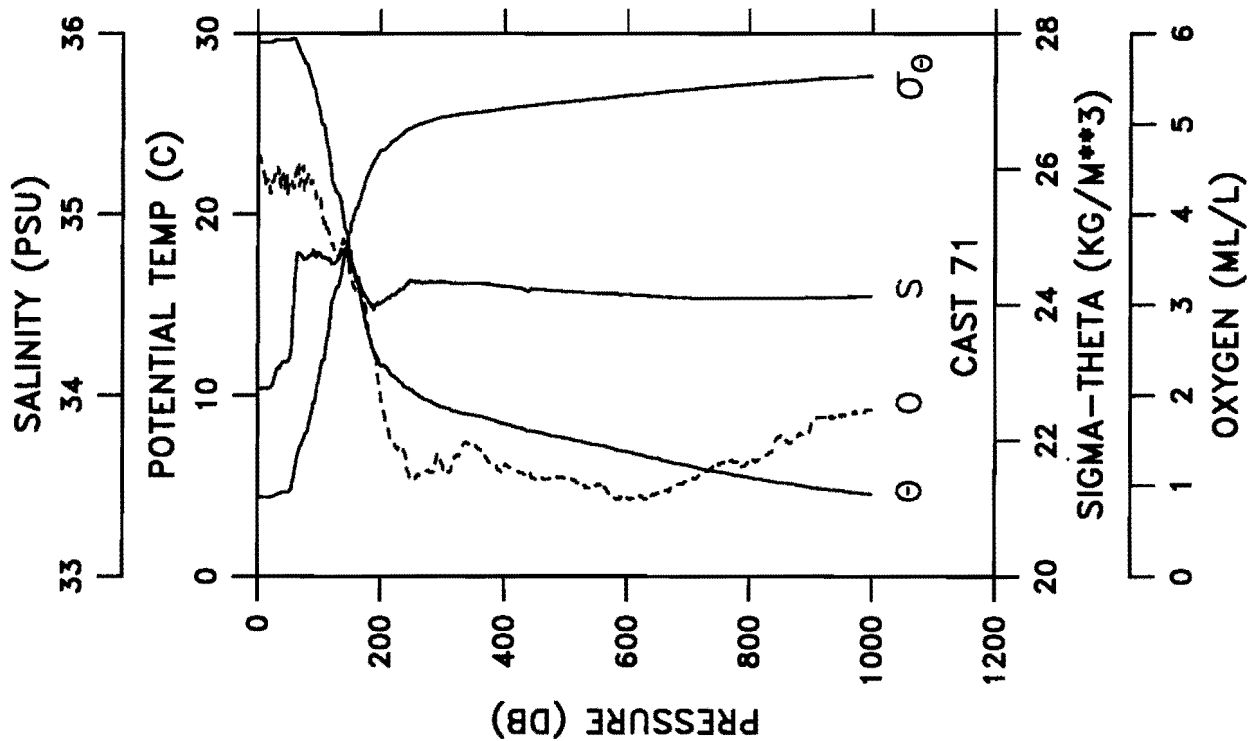
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	29.510	34.115	4.67	21.231	0.000
10	29.509	34.116	4.68	21.232	0.066
20	29.504	34.116	4.67	21.234	0.131
30	29.499	34.120	4.69	21.239	0.197
40	29.499	34.126	4.63	21.244	0.262
50	29.550	34.223	4.59	21.299	0.328
60	29.299	34.724	4.64	21.759	0.390
70	28.785	34.825	4.66	22.007	0.450
80	28.502	34.825	4.63	22.100	0.508
90	26.986	34.765	4.61	22.547	0.563
100	25.770	34.764	4.64	22.928	0.615
110	22.907	34.774	4.48	23.790	0.660
120	20.888	34.801	4.23	24.428	0.699
130	19.277	34.788	3.93	24.789	0.733
140	17.750	34.726	3.61	25.124	0.764
150	15.630	34.617	3.42	25.538	0.790
160	13.572	34.518	2.84	25.904	0.813
170	12.475	34.492	2.43	26.103	0.833
180	11.832	34.498	2.04	26.231	0.852
190	11.415	34.524	1.75	26.330	0.870
200	11.004	34.531	1.48	26.410	0.887
250	9.913	34.601	0.95	26.656	0.963
300	9.423	34.618	0.92	26.751	1.032
350	9.071	34.612	0.95	26.803	1.098
400	8.811	34.611	0.95	26.844	1.163
450	8.490	34.603	1.09	26.888	1.226
500	8.232	34.595	1.15	26.921	1.287
550	7.835	34.571	1.14	26.962	1.347
600	7.311	34.551	1.11	27.022	1.405
650	6.961	34.540	1.12	27.062	1.461
700	6.547	34.539	1.05	27.117	1.515
750	6.171	34.537	1.17	27.165	1.566
800	5.746	34.532	1.08	27.215	1.615
900	5.135	34.536	1.37	27.291	1.707
1000	4.575	34.542	1.61	27.360	1.792
1500	2.989	34.588	1.99	27.556	2.146
2000	2.017	34.633	2.44	27.677	2.428
2500	1.633	34.656	2.75	27.724	2.672
3000	1.404	34.670	3.09	27.752	2.903
3500	1.226	34.680	3.42	27.773	3.126
4000	1.109	34.688	3.73	27.788	3.345
4500	1.017	34.686	4.05	27.800	3.564
5000	0.950	34.700	4.31	27.808	3.785
5262	0.933	34.702	4.39	27.810	3.903

CAST CG2-92-VI -071 DATE 12 OCT 92 TIME 0126 GMT  
LAT 06 00.2N LONG 165 01.1E



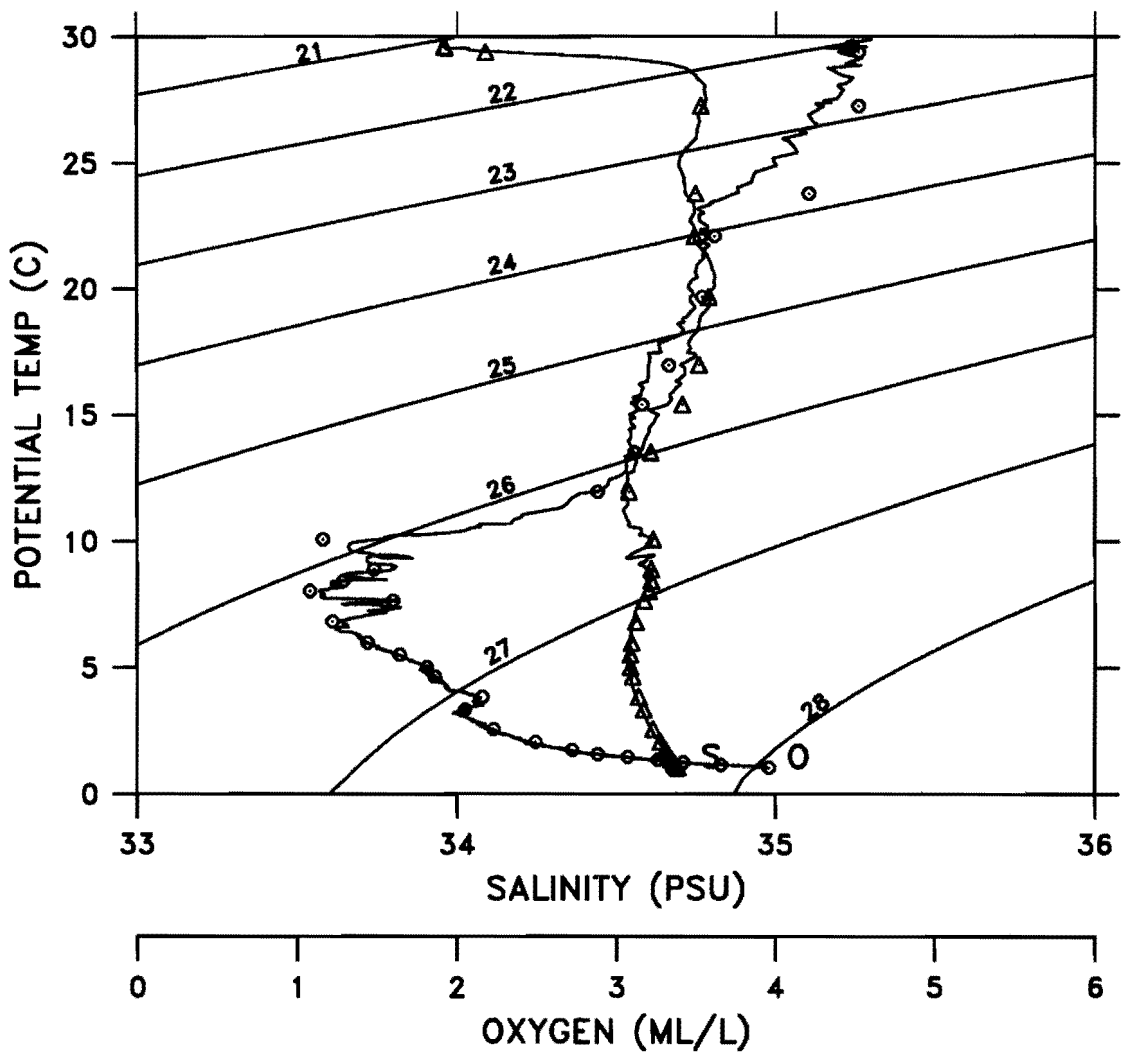


CAST C62-92-M -071 DATE 12 OCT 92 TIME 0126 GMT  
 LAT 06 00.2N LONG 165 01.1E WEATHER 1 SEA STATE 1  
 BAROMETER 08 WIND DIR 045 T SPD 05 KT VISIBILITY 7  
 CLOUD 3 AMOUNT 6 DRY 30.0 WET 26.5 DEPTH 5005 M

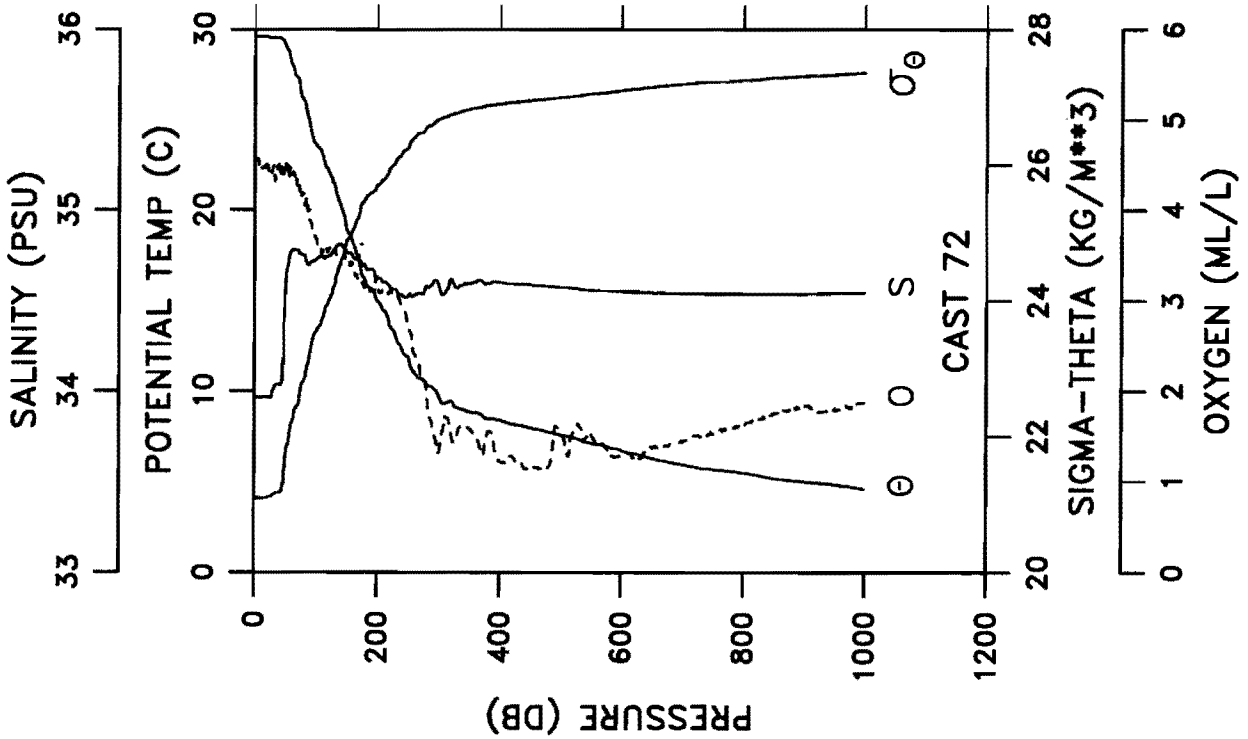


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SGK-TH	DELTA-D (DYN-M)
0	29.541	34.038	4.65	21.163	0.000
10	29.534	34.038	4.47	21.165	0.066
20	29.535	34.043	4.23	21.169	0.132
30	29.652	34.132	4.49	21.196	0.198
40	29.639	34.182	4.42	21.238	0.264
50	29.643	34.191	4.32	21.243	0.330
60	29.693	34.630	4.42	21.556	0.394
70	28.911	34.772	4.42	21.925	0.455
80	28.296	34.753	4.40	22.115	0.513
90	27.049	34.804	4.32	22.557	0.569
100	25.844	34.784	4.15	22.921	0.620
110	24.399	34.760	3.93	23.343	0.668
120	21.997	34.723	3.66	24.010	0.711
130	21.186	34.747	3.54	24.252	0.749
140	19.620	34.786	3.71	24.689	0.785
150	17.985	34.723	3.32	25.064	0.816
160	16.288	34.654	3.18	25.416	0.843
170	14.925	34.590	3.14	25.665	0.868
180	13.378	34.516	2.69	25.942	0.890
190	12.337	34.497	2.44	26.134	0.911
200	11.620	34.506	2.02	26.277	0.929
250	10.307	34.631	1.07	26.611	1.011
300	9.354	34.628	1.23	26.770	1.061
350	8.917	34.620	1.45	26.834	1.146
400	8.439	34.601	1.22	26.894	1.208
450	8.014	34.586	1.08	26.947	1.268
500	7.632	34.571	1.08	26.992	1.327
550	7.281	34.562	1.00	27.035	1.383
600	6.895	34.555	0.87	27.063	1.437
650	6.501	34.544	0.92	27.127	1.490
700	6.130	34.538	1.04	27.171	1.540
750	5.769	34.534	1.23	27.214	1.588
800	5.468	34.533	1.26	27.250	1.635
900	4.897	34.539	1.65	27.322	1.723
1000	4.510	34.546	1.84	27.371	1.806
1500	2.957	34.593	2.04	27.564	2.164
2000	2.063	34.632	2.40	27.669	2.450
2500	1.679	34.656	2.70	27.721	2.697
3000	1.460	34.667	3.00	27.746	2.931
3500	1.269	34.679	3.37	27.769	3.159
4000	1.127	34.689	3.68	27.787	3.390
4500	1.028	34.696	4.05	27.789	3.600
4939	0.936	34.702	4.32	27.810	3.793

CAST CG2-92-VI -072 DATE 12 OCT 92 TIME 1502 GMT  
LAT 04 00.1N LONG 165 00.3E

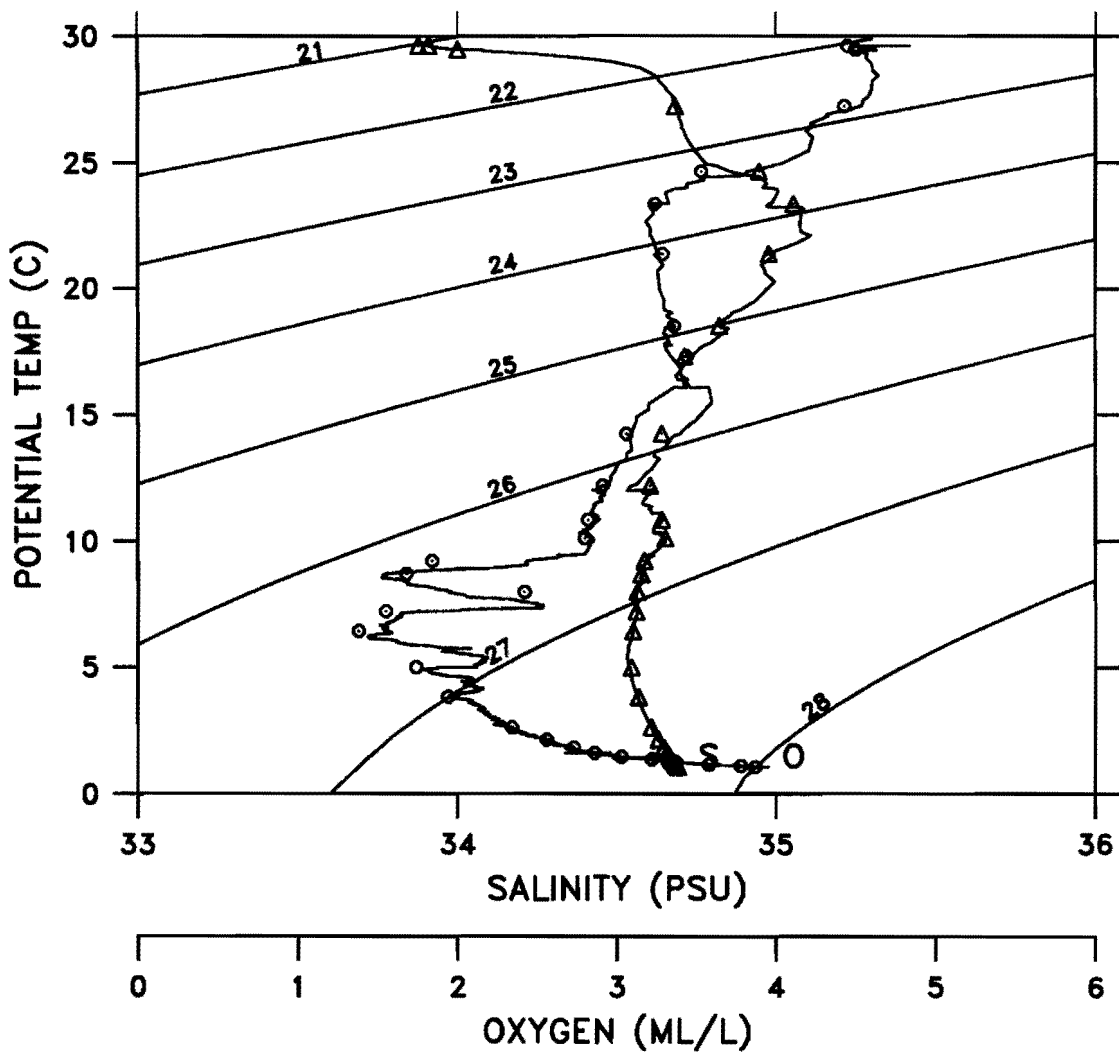


CST 062-92-VI -072 DATE 12 OCT 92 TIME 1502 GMT  
 LAT 04 00.1N LONG 165 00.3E WEATHER 2 SEA STATE 3  
 BAROMETER 08 WIND DIR 095 T SPD 10 KT VISIBILITY 7  
 CLOUD 3 AMOUNT 4 DRY 28.9 WET 26.0 DEPTH 4480 M

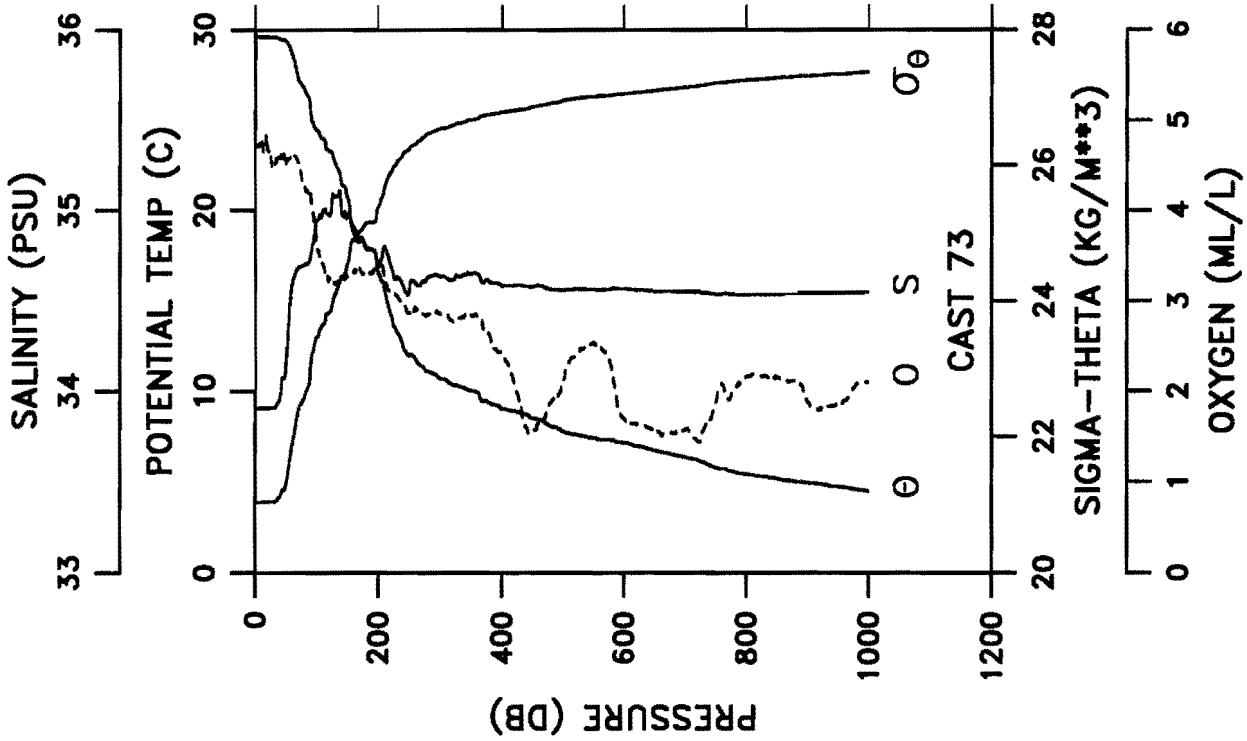


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	29.601	33.965	4.56	21.088	0.000
10	29.600	33.965	4.49	21.089	0.067
20	29.590	33.965	4.48	21.092	0.134
30	29.544	34.002	4.48	21.135	0.201
40	29.516	34.033	4.52	21.168	0.267
50	29.139	34.522	4.54	21.661	0.332
60	28.115	34.775	4.42	22.190	0.391
70	27.312	34.778	4.25	22.453	0.446
80	26.103	34.752	4.14	22.816	0.498
90	24.648	34.705	3.88	23.227	0.547
100	23.648	34.725	3.69	23.538	0.592
110	23.096	34.745	3.53	23.714	0.635
120	22.215	34.744	3.55	23.964	0.676
130	21.437	34.782	3.55	24.210	0.715
140	20.354	34.807	3.47	24.522	0.751
150	18.899	34.764	3.44	24.867	0.784
160	18.173	34.741	3.40	25.032	0.815
170	17.337	34.751	3.21	25.244	0.843
180	16.083	34.687	3.17	25.489	0.870
190	15.637	34.674	3.11	25.590	0.894
200	14.971	34.629	3.09	25.693	0.919
250	11.894	34.520	2.77	26.237	1.023
300	9.763	34.592	1.32	26.674	1.102
350	8.866	34.595	1.59	26.823	1.170
400	8.403	34.602	1.22	26.900	1.232
450	7.985	34.588	1.15	26.953	1.292
500	7.593	34.573	1.54	26.999	1.350
550	7.149	34.558	1.52	27.050	1.406
600	6.728	34.552	1.29	27.103	1.460
650	6.309	34.545	1.39	27.153	1.511
700	5.964	34.540	1.45	27.194	1.560
750	5.698	34.538	1.53	27.227	1.607
800	5.488	34.536	1.63	27.250	1.654
850	4.988	34.537	1.83	27.310	1.743
900	4.590	34.544	1.87	27.360	1.827
1000	3.030	34.590	2.06	27.555	2.187
2000	2.041	34.634	2.44	27.676	2.472
2500	1.618	34.658	2.78	27.727	2.714
3000	1.429	34.668	3.09	27.749	2.945
3500	1.249	34.679	3.38	27.771	3.170
4000	1.157	34.686	3.63	27.783	3.392
4486	1.042	34.695	3.95	27.798	3.610

CAST CG2-92-VI -073 DATE 12 OCT 92 TIME 2349 GMT  
LAT 03 00.1N LONG 164 59.6E

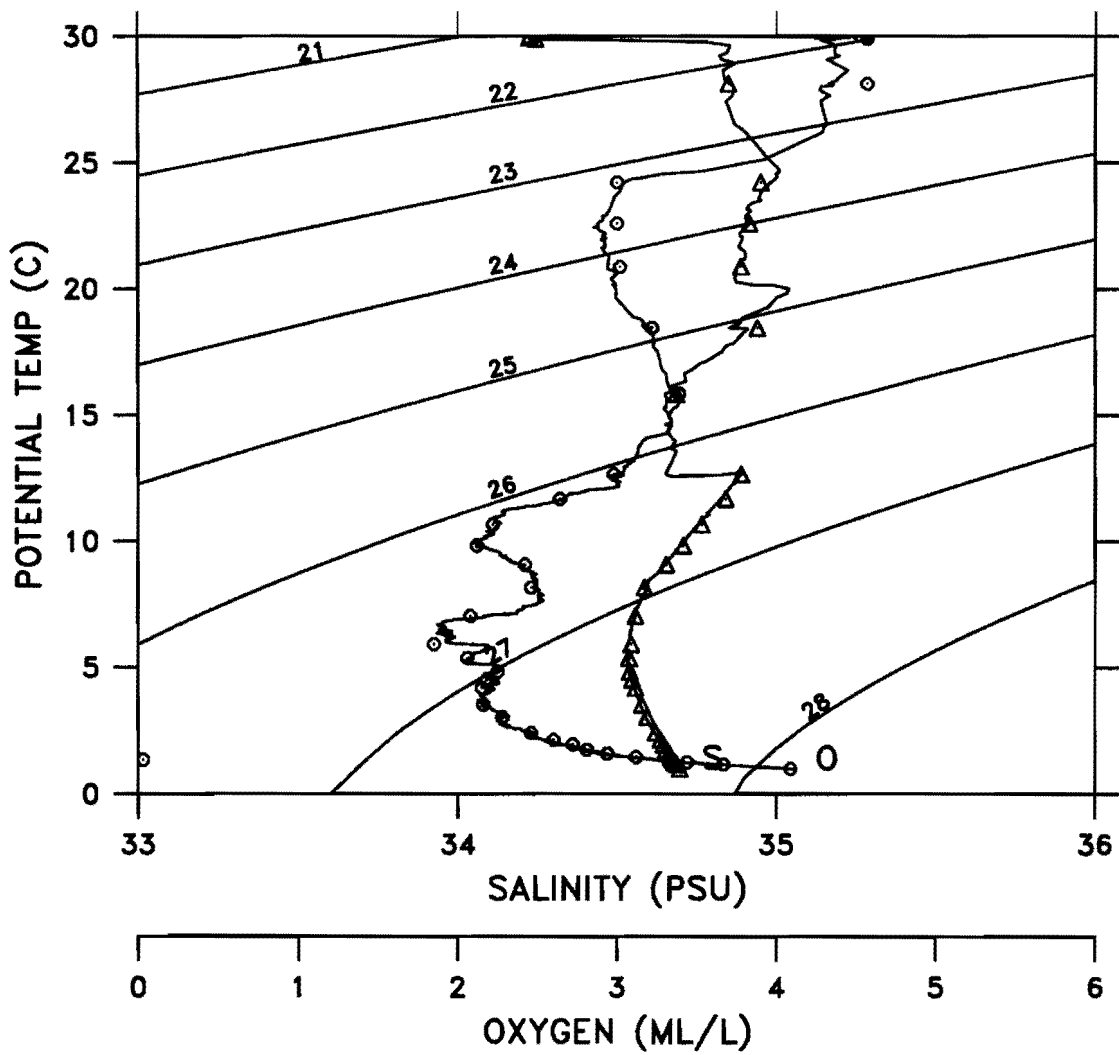


CAST CG2-92-VI -073 DATE 12 OCT 92 TIME 2349 GMT  
 LAT 03 00.1N LONG 164 59.6E WEATHER 0 SEA STATE 2  
 BAROMETER 08 WIND DIR 100 T SPD 14 KT VISIBILITY 7  
 CLOUD 3 AMOUNT 1 DRY 30.3 WET 25.5 DEPTH 4228 M

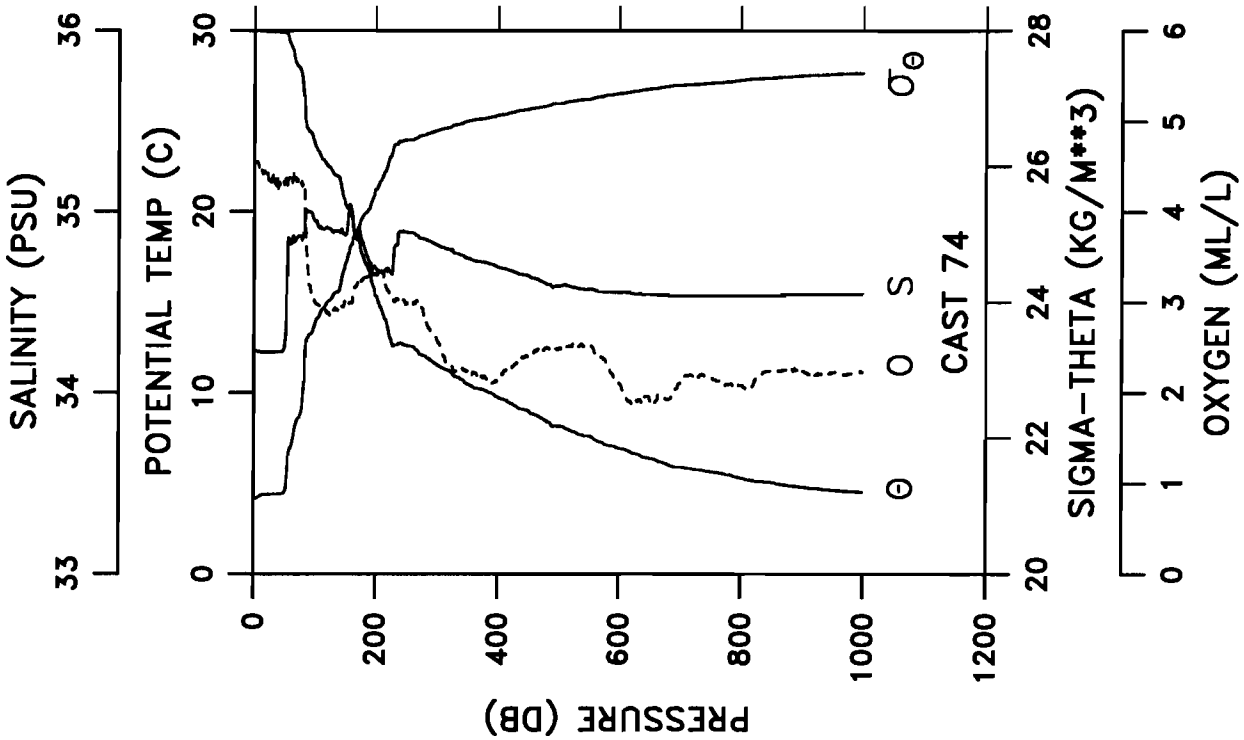


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	29.620	33.906	4.72	21.037	0.000
10	29.618	33.906	4.79	21.038	0.067
20	29.608	33.907	4.66	21.042	0.135
30	28.598	33.909	4.55	21.047	0.202
40	28.512	33.953	4.58	21.109	0.269
50	29.380	34.134	4.51	21.290	0.335
60	28.621	34.594	4.61	21.887	0.398
70	27.238	34.684	4.53	22.406	0.455
80	26.784	34.696	4.31	22.560	0.509
90	25.475	34.745	4.21	23.006	0.561
100	24.458	34.939	3.68	23.460	0.607
110	23.979	34.994	3.40	23.645	0.651
120	23.299	34.973	3.24	23.828	0.693
130	22.634	35.079	3.18	24.100	0.733
140	21.434	34.984	3.25	24.365	0.770
150	20.712	34.968	3.26	24.549	0.806
160	19.101	34.875	3.33	24.901	0.838
170	18.455	34.828	3.36	25.028	0.868
180	17.864	34.797	3.33	25.151	0.898
190	17.804	34.786	3.30	25.157	0.927
200	16.531	34.685	3.41	25.383	0.955
250	11.993	34.544	2.87	26.237	1.062
300	10.695	34.634	2.86	26.546	1.145
350	10.030	34.648	2.85	26.672	1.220
400	9.022	34.582	2.39	26.788	1.289
450	8.514	34.579	1.54	26.865	1.355
500	7.780	34.559	2.06	26.960	1.416
550	7.446	34.562	2.54	27.011	1.474
600	7.168	34.566	1.69	27.054	1.529
650	6.753	34.555	1.56	27.102	1.583
700	6.384	34.549	1.57	27.147	1.635
750	5.780	34.536	1.87	27.214	1.684
800	5.430	34.534	2.16	27.255	1.731
900	4.958	34.543	1.87	27.318	1.819
1000	4.493	34.549	2.08	27.375	1.902
1500	3.111	34.580	2.18	27.547	2.261
2000	2.131	34.631	2.54	27.668	2.551
2500	1.682	34.656	2.76	27.720	2.801
3000	1.445	34.669	3.04	27.748	3.034
3500	1.276	34.678	3.37	27.768	3.261
4000	1.123	34.689	3.77	27.787	3.482
4279	1.064	34.694	3.91	27.795	3.604

CAST CG2-92-VI -074 DATE 13 OCT 92 TIME 0807 GMT  
LAT 01 59.8N LONG 164 59.4E

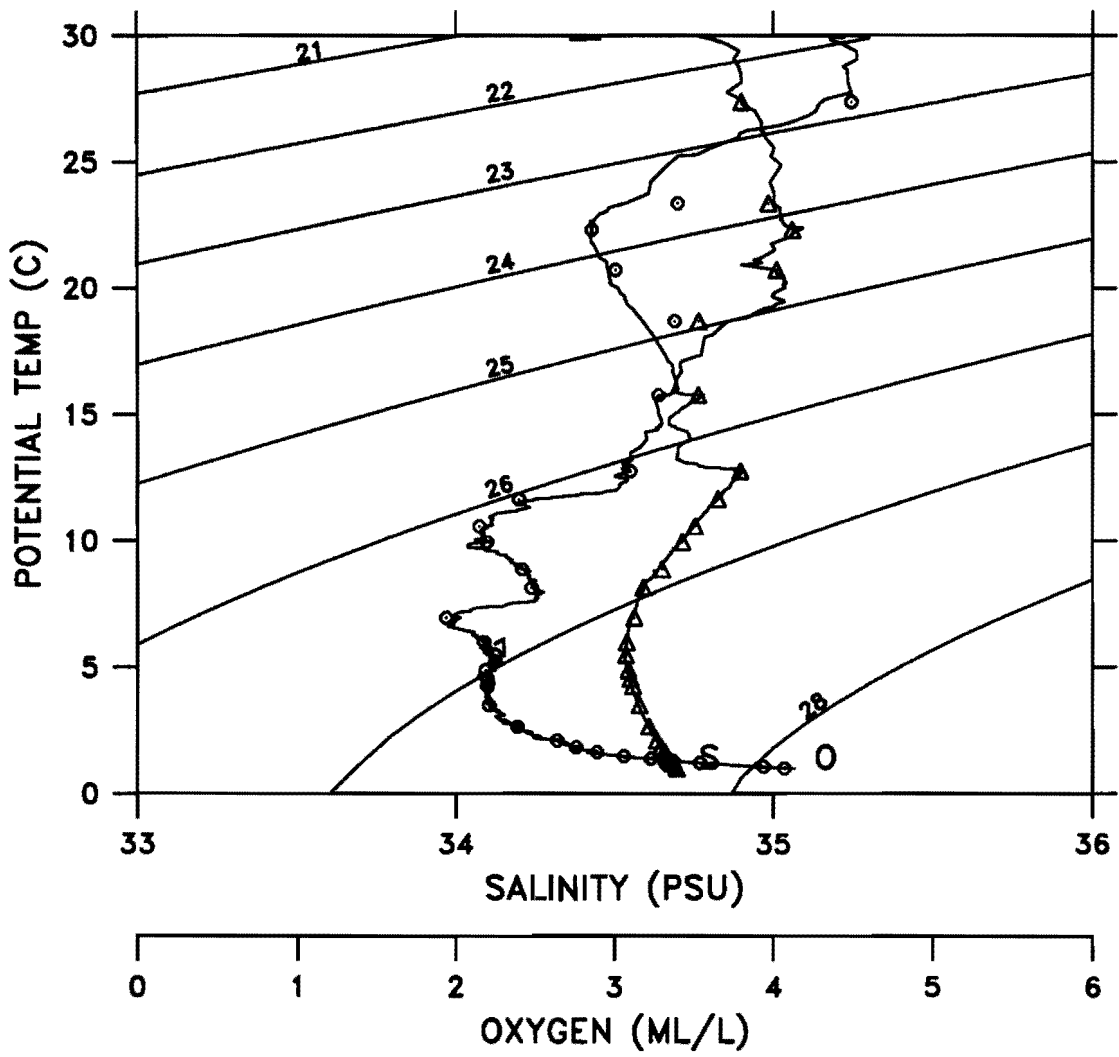


CAST CG2-92-VI-074 DATE 13 OCT 92 TIME 0807 GMT  
 LAT 01 59.8N LONG 164 59.4E WEATHER 0 SEA STATE 1  
 BAROMETER 09 WIND DIR 080 T SPD 10 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 1 DRY 29.0 WET 29.8 DEPTH 4173 M



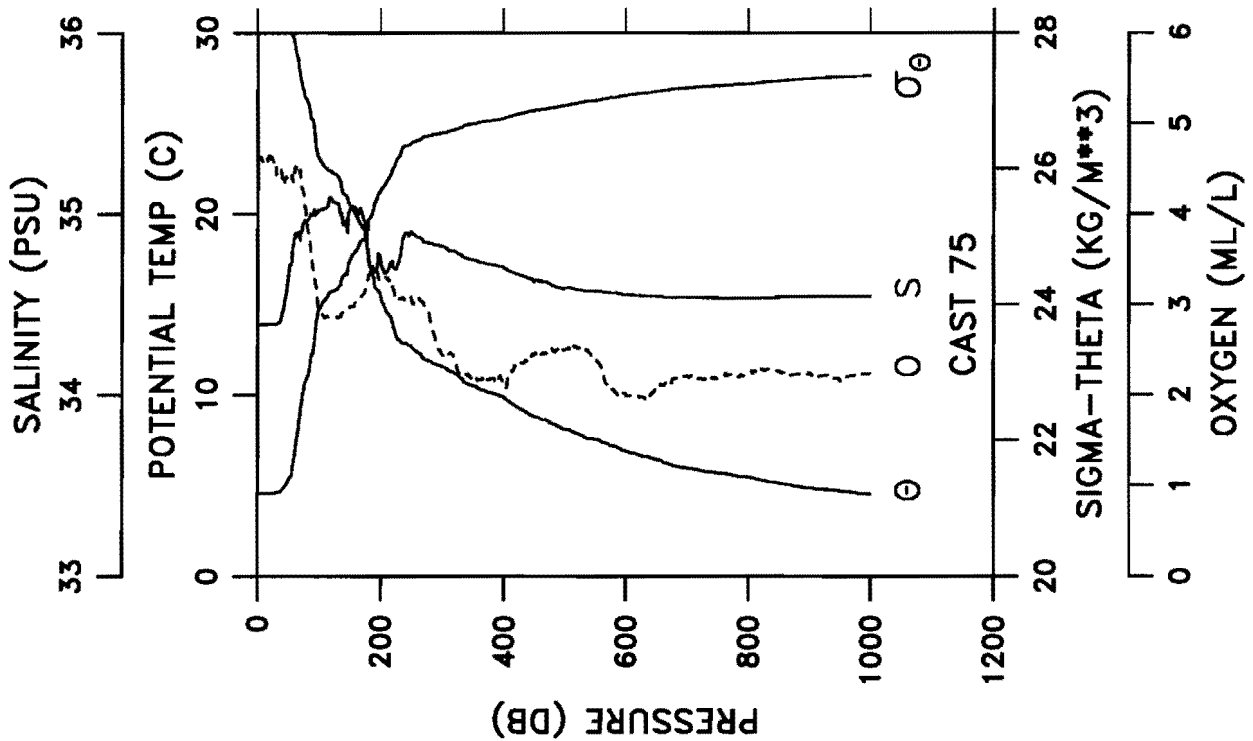
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	30.126	34.232	4.55	21.110	0.000
10	30.009	34.225	4.44	21.145	0.067
20	29.933	34.223	4.41	21.169	0.133
30	29.920	34.223	4.39	21.174	0.199
40	29.908	34.224	4.29	21.178	0.265
50	29.887	34.246	4.32	21.202	0.331
60	29.219	34.819	4.40	21.857	0.394
70	28.110	34.856	4.33	22.252	0.452
80	26.977	34.855	4.30	22.618	0.507
90	24.446	35.002	3.19	23.512	0.554
100	23.733	34.949	3.00	23.683	0.597
110	23.025	34.914	2.94	23.863	0.639
120	22.582	34.912	2.88	23.988	0.679
130	22.113	34.886	2.91	24.101	0.718
140	21.900	34.891	2.92	24.164	0.757
150	20.402	34.869	2.96	24.556	0.793
160	19.740	35.017	2.99	24.844	0.826
170	18.452	34.859	3.22	25.053	0.856
180	17.404	34.814	3.26	25.276	0.884
190	16.642	34.710	3.31	25.377	0.911
200	15.314	34.686	3.30	25.661	0.936
250	12.615	34.887	2.98	26.383	1.034
300	11.569	34.817	2.61	26.529	1.117
350	10.484	34.741	2.24	26.666	1.192
400	9.759	34.693	2.16	26.753	1.263
450	9.003	34.645	2.41	26.840	1.329
500	8.156	34.588	2.48	26.927	1.392
550	7.605	34.571	2.51	26.995	1.451
600	6.930	34.554	2.11	27.078	1.506
650	6.376	34.544	1.95	27.144	1.558
700	5.899	34.534	2.10	27.198	1.607
750	5.669	34.533	2.15	27.226	1.655
800	5.313	34.536	2.08	27.271	1.701
900	4.799	34.539	2.23	27.333	1.787
1000	4.498	34.545	2.22	27.372	1.869
1500	2.991	34.593	2.27	27.561	2.224
2000	2.118	34.631	2.54	27.667	2.510
2500	1.677	34.655	2.83	27.720	2.760
3000	1.449	34.667	3.08	27.747	2.994
3500	1.273	34.678	3.36	27.768	3.221
4000	1.110	34.690	3.77	27.789	3.444
4225	0.986	34.698	4.12	27.804	3.541

CAST CG2-92-VI -075 DATE 13 OCT 92 TIME 1451 GMT  
LAT 01 30.2N LONG 164 59.2E



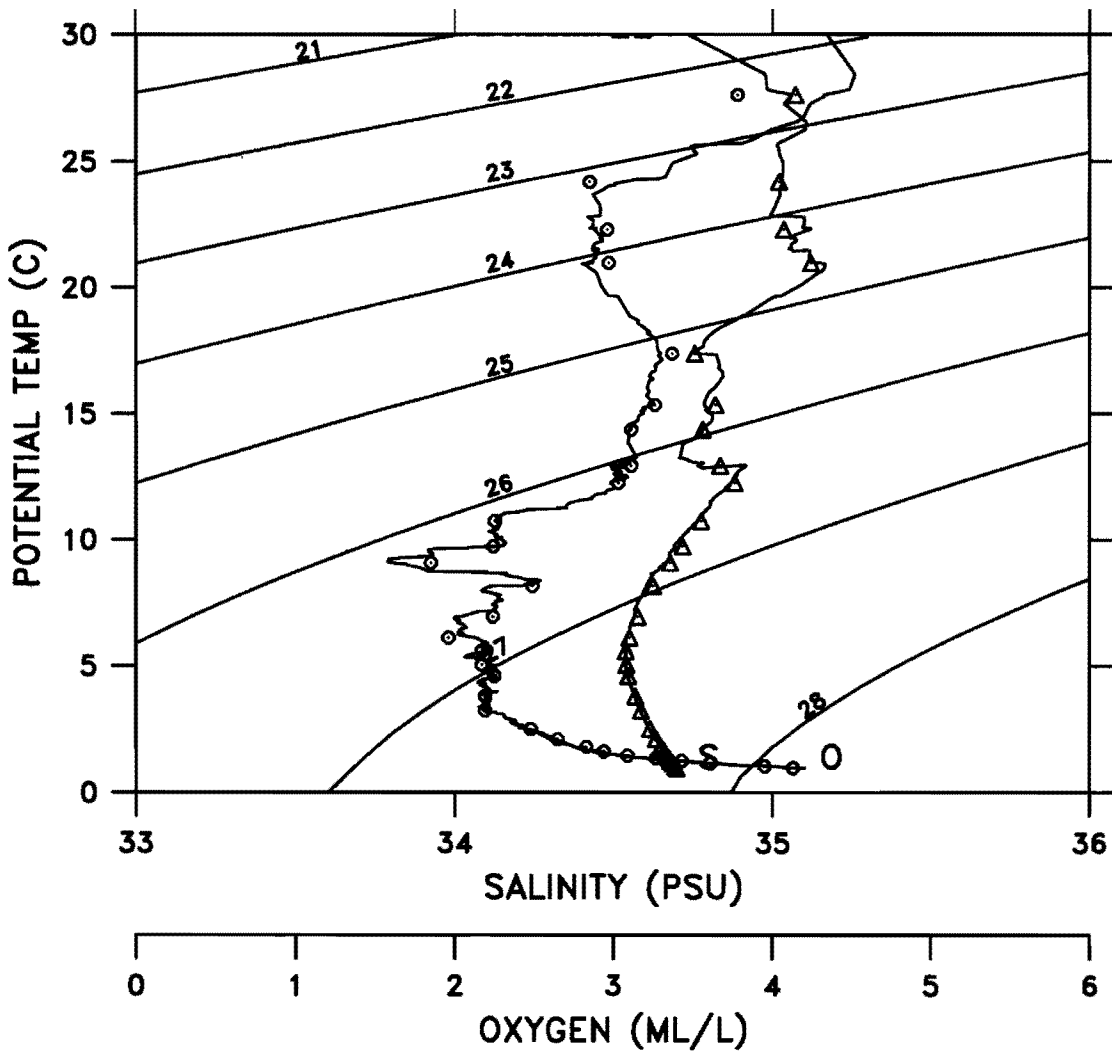


CAST 062-92-VI -075 DATE 13 OCT 92 TIME 1451 GMT  
 LAT 01 30.2N LONG 164 58.2E WEATHER 1 SEA STATE 5  
 BAROMETER 07 WIND DIR 065 T SPD 10 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 2 DRY 29.0 WET 25.7 DEPTH 4264 M

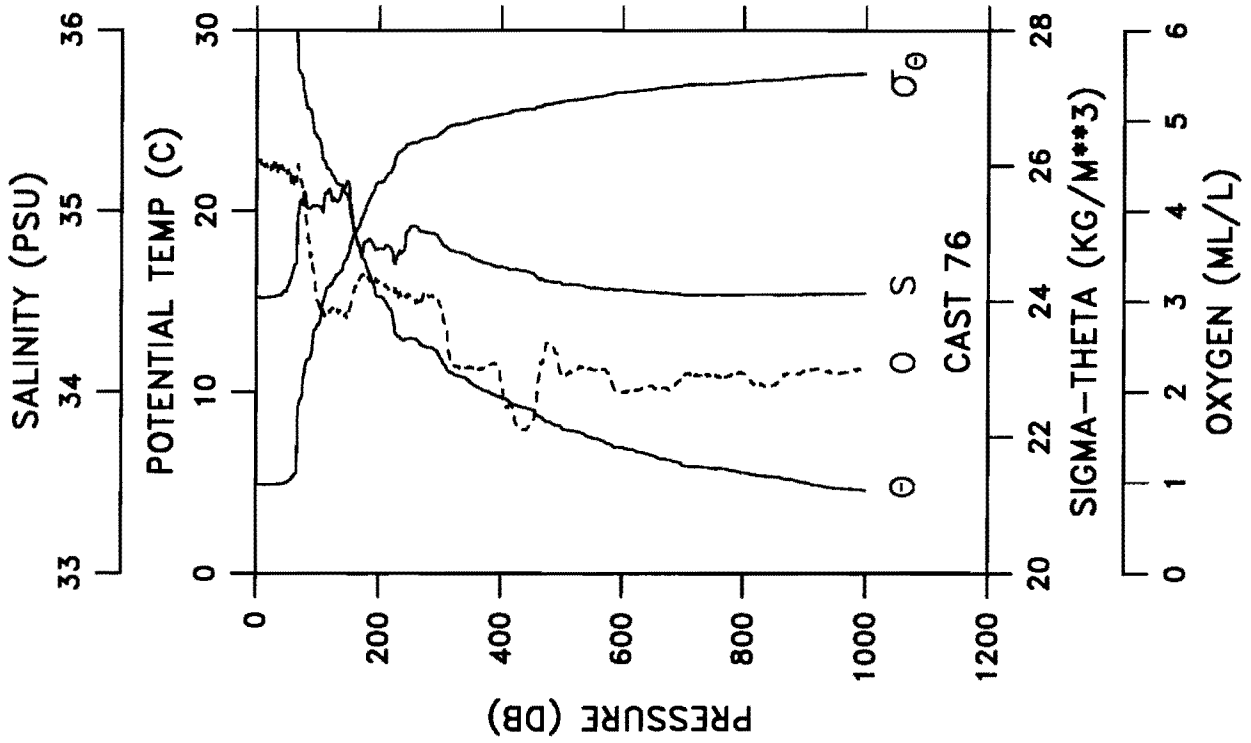


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	30.142	34.389	4.63	21.222	0.000
10	30.148	34.389	4.61	21.220	0.066
20	30.147	34.391	4.58	21.222	0.131
30	30.126	34.393	4.43	21.231	0.197
40	30.126	34.453	4.40	21.275	0.262
50	30.166	34.654	4.40	21.413	0.327
60	29.529	34.874	4.48	21.794	0.390
70	27.467	34.899	4.32	22.494	0.447
80	26.349	34.963	3.95	22.898	0.499
90	25.237	34.992	3.40	23.265	0.547
100	23.090	35.022	2.96	23.926	0.589
110	22.602	35.031	2.86	24.073	0.629
120	22.322	35.082	2.86	24.191	0.667
130	22.095	35.058	2.85	24.237	0.705
140	21.109	34.939	2.94	24.419	0.741
150	20.477	35.026	2.97	24.657	0.776
160	19.972	35.031	3.03	24.794	0.808
170	19.243	34.996	3.10	24.957	0.840
180	17.344	34.773	3.32	25.259	0.870
190	15.993	34.687	3.40	25.509	0.897
200	15.433	34.739	3.27	25.676	0.921
250	12.671	34.898	3.05	26.380	1.021
300	11.565	34.821	2.44	26.532	1.102
350	10.512	34.746	2.18	26.665	1.177
400	9.868	34.700	2.09	26.740	1.248
450	8.795	34.636	2.46	26.866	1.314
500	8.109	34.591	2.50	26.937	1.376
550	7.545	34.572	2.39	27.004	1.434
600	6.896	34.553	2.00	27.081	1.490
650	6.421	34.544	2.09	27.138	1.542
700	5.969	34.538	2.21	27.191	1.591
750	5.684	34.535	2.20	27.225	1.639
800	5.453	34.534	2.24	27.253	1.685
900	4.861	34.541	2.23	27.328	1.773
1000	4.526	34.546	2.23	27.369	1.855
1500	3.062	34.591	2.27	27.553	2.211
2000	2.087	34.634	2.64	27.671	2.498
2500	1.677	34.657	2.87	27.722	2.747
3000	1.416	34.670	3.09	27.751	2.980
3500	1.276	34.678	3.37	27.768	3.207
4000	1.121	34.689	3.73	27.788	3.430
4308	0.983	34.698	4.13	27.804	3.562

CAST CG2-92-VI -076 DATE 13 OCT 92 TIME 2102 GMT  
LAT 01 00.0N LONG 164 59.2E

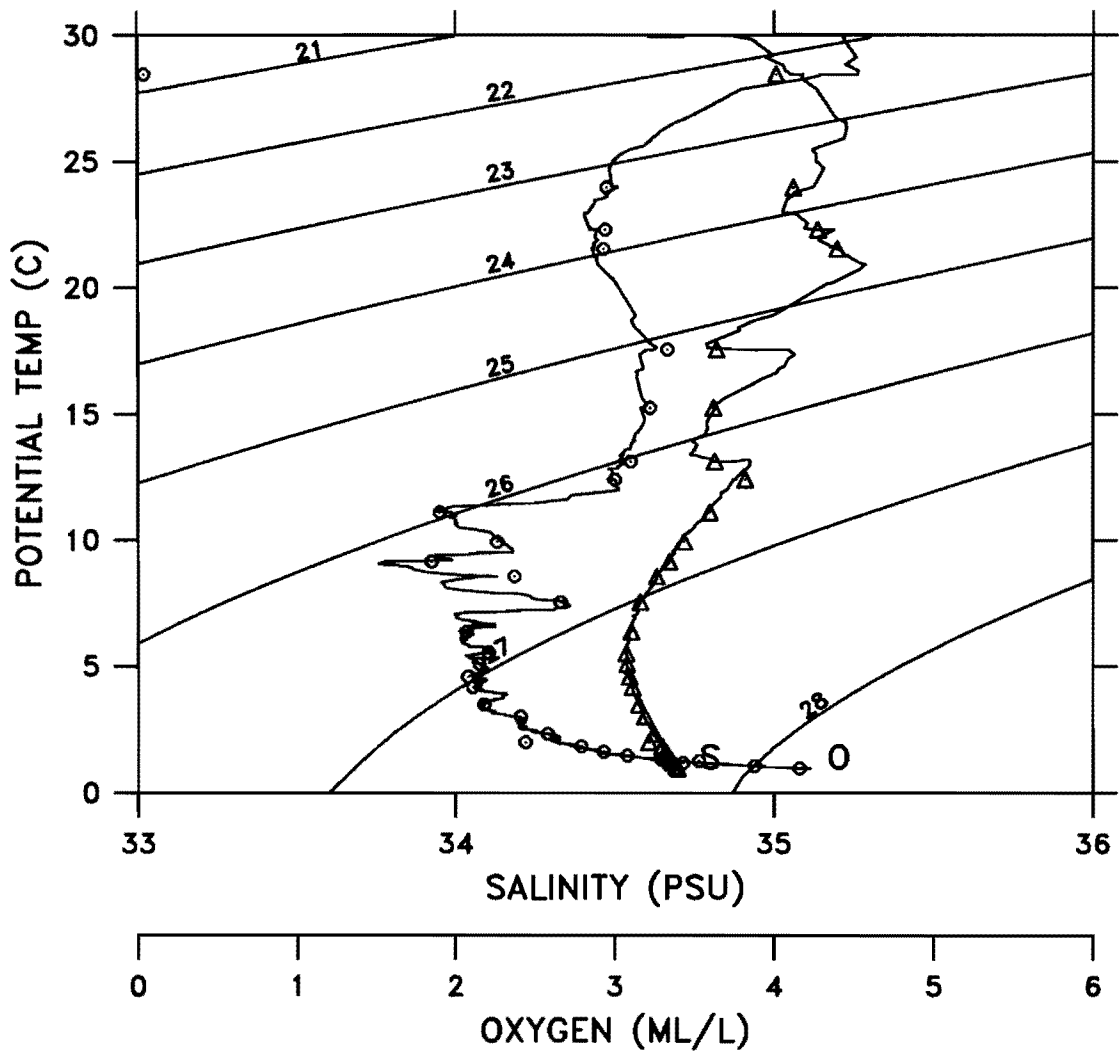


CAST CG2-92-VI -076 DATE 13 OCT 92 TIME 2102 GMT  
 LAT 01 00.0N LONG 164 59.2E WEATHER 1 SEA STATE 1  
 BAROMETER 08 WIND DIR 080 T SPD 07 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 2 DRY 29.6 WET 26.0 DEPTH 4326 M

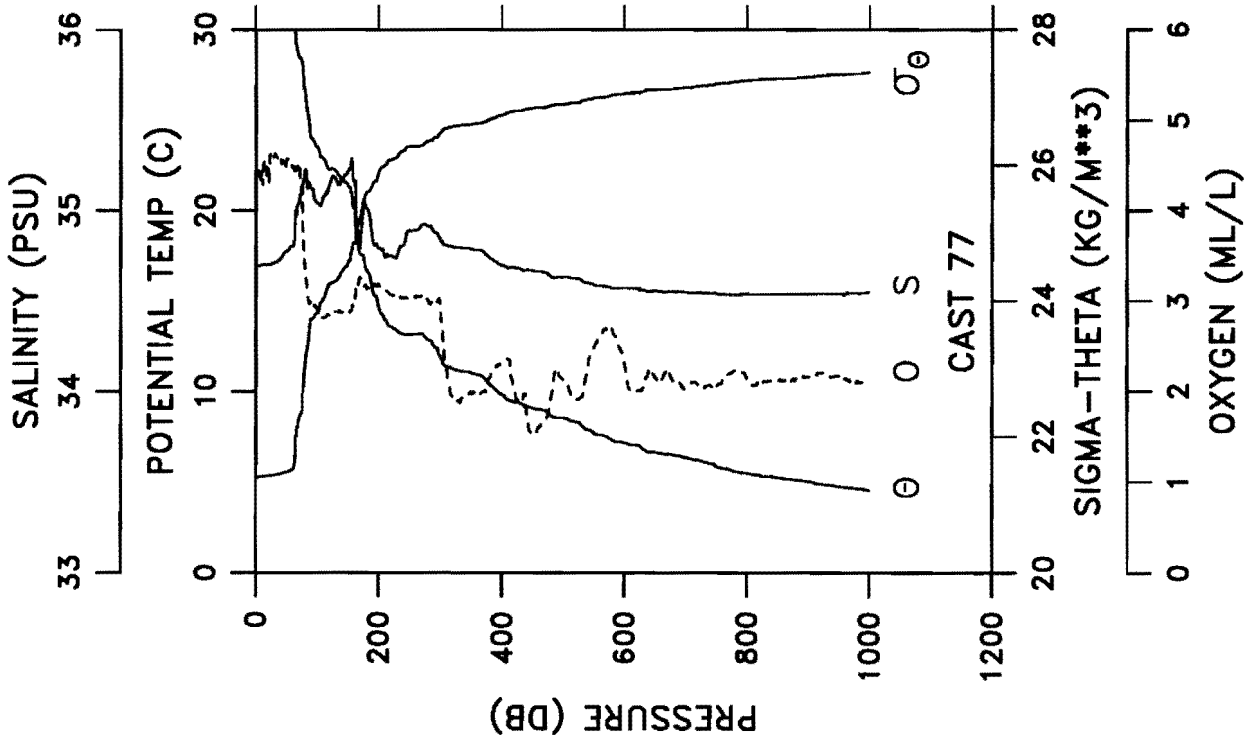


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	30.189	34.521	4.55	21.305	0.000
10	30.189	34.520	4.56	21.304	0.065
20	30.194	34.522	4.48	21.304	0.130
30	30.194	34.525	4.49	21.306	0.195
40	30.197	34.534	4.48	21.312	0.259
50	30.203	34.577	4.41	21.342	0.324
60	30.156	34.675	4.33	21.432	0.389
70	27.672	35.041	4.37	22.534	0.449
80	26.042	35.070	3.93	23.075	0.500
90	25.298	35.021	3.53	23.268	0.547
100	24.051	35.029	3.01	23.650	0.591
110	22.807	35.064	2.86	24.039	0.632
120	22.285	35.114	2.89	24.226	0.670
130	21.573	35.056	2.88	24.381	0.707
140	21.426	35.119	2.88	24.470	0.742
150	20.616	35.153	2.89	24.715	0.776
160	18.682	34.879	3.16	25.010	0.807
170	17.653	34.782	3.27	25.191	0.837
180	16.875	34.833	3.27	25.417	0.864
190	16.013	34.818	3.21	25.605	0.889
200	15.264	34.793	3.22	25.755	0.913
250	12.954	34.901	3.08	26.328	1.014
300	11.965	34.846	2.96	26.477	1.099
350	10.524	34.746	2.27	26.663	1.175
400	9.701	34.695	2.11	26.765	1.245
450	9.056	34.659	1.64	26.843	1.311
500	8.042	34.599	2.19	26.953	1.373
550	7.483	34.576	2.25	27.017	1.430
600	6.950	34.566	2.00	27.084	1.485
650	6.509	34.553	2.07	27.133	1.538
700	5.968	34.539	2.17	27.193	1.588
750	5.788	34.537	2.18	27.214	1.635
800	5.549	34.536	2.20	27.242	1.683
900	5.016	34.539	2.25	27.308	1.772
1000	4.566	34.546	2.25	27.364	1.856
1500	2.897	34.597	2.36	27.573	2.212
2000	2.115	34.634	2.63	27.670	2.494
2500	1.664	34.657	2.84	27.723	2.743
3000	1.402	34.671	3.12	27.753	2.975
3500	1.283	34.679	3.41	27.770	3.200
4000	1.064	34.694	3.91	27.795	3.420
4377	0.976	34.699	4.17	27.805	3.581

CAST CG2-92-VI -077 DATE 14 OCT 92 TIME 0330 GMT  
LAT 00 30.3N LONG 164 59.0E

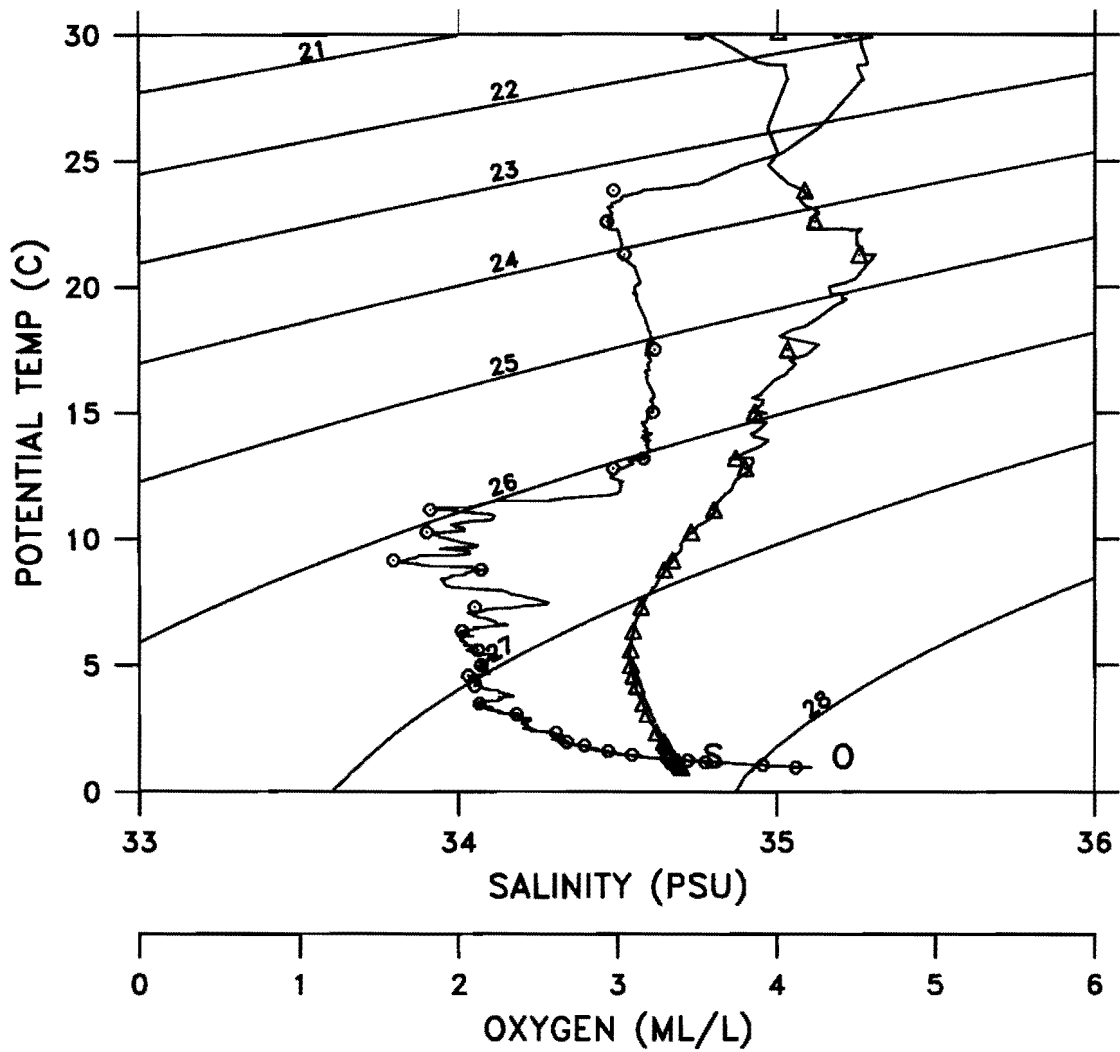


CAST 02-92-VI-077 DATE 14 OCT 92 TIME 0330 GMT  
 LAT 00 30.3N LONG 164 59.0E WEATHER 1 SEA STATE 1  
 BAROMETER 06 WIND DIR 095 T SPD 06 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 4 DRY 31.3 WET 26.5 DEPTH 4366 M

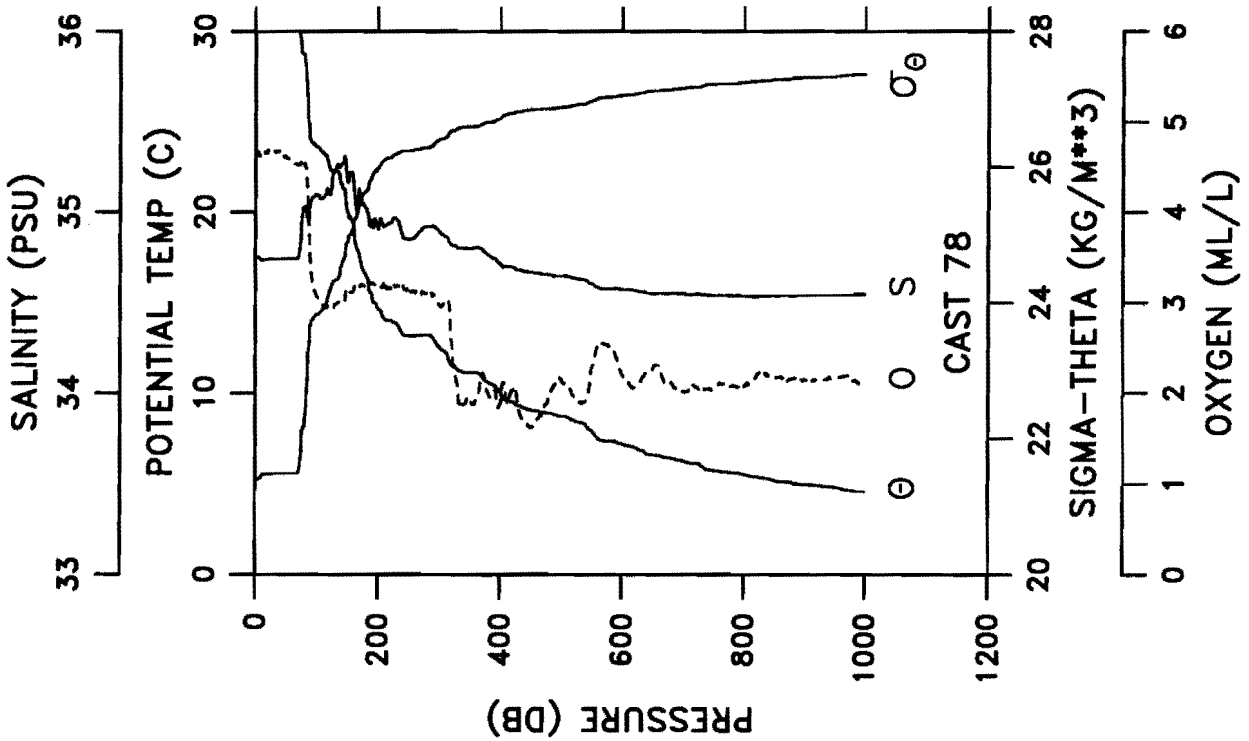


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	30.257	34.693	4.44	21.411	0.000
10	30.246	34.698	4.36	21.418	0.064
20	30.224	34.700	4.46	21.428	0.127
30	30.214	34.710	4.61	21.438	0.191
40	30.211	34.731	4.57	21.455	0.255
50	30.221	34.773	4.55	21.483	0.318
60	30.173	34.802	4.48	21.521	0.381
70	28.514	35.045	4.53	22.261	0.441
80	26.553	35.225	3.38	23.032	0.494
90	24.025	35.123	2.99	23.729	0.539
100	23.516	35.040	2.91	23.815	0.561
110	22.876	35.074	2.81	24.027	0.621
120	22.287	35.147	2.84	24.250	0.659
130	22.208	35.173	2.88	24.292	0.696
140	21.706	35.169	2.87	24.430	0.733
150	21.388	35.216	2.87	24.554	0.768
160	20.157	35.163	3.01	24.846	0.800
170	17.628	34.791	3.26	25.204	0.830
180	16.735	35.011	3.16	25.587	0.856
190	15.636	34.844	3.17	25.711	0.880
200	14.655	34.789	3.18	25.885	0.903
250	13.141	34.888	3.03	26.279	1.001
300	11.928	34.841	2.94	26.480	1.089
350	11.023	34.787	1.97	26.606	1.165
400	9.831	34.697	2.31	26.744	1.238
450	9.083	34.667	1.52	26.845	1.304
500	8.555	34.632	2.13	26.900	1.368
550	7.701	34.590	2.48	26.996	1.428
600	7.172	34.574	2.31	27.060	1.484
650	6.651	34.555	2.14	27.116	1.537
700	6.370	34.549	2.04	27.148	1.589
750	5.883	34.541	2.05	27.205	1.639
800	5.489	34.539	2.15	27.252	1.685
900	5.028	34.539	2.16	27.306	1.774
1000	4.506	34.547	2.16	27.372	1.858
1500	2.984	34.594	2.41	27.562	2.213
2000	2.142	34.633	2.64	27.666	2.495
2500	1.686	34.656	2.87	27.721	2.743
3000	1.433	34.668	3.12	27.749	2.975
3500	1.262	34.680	3.42	27.770	3.201
4000	1.111	34.691	3.77	27.789	3.422
4423	0.977	34.700	4.20	27.805	3.603

CAST CG2-92-VI -078 DATE 14 OCT 92 TIME 1605 GMT  
LAT 00 01.4N LONG 164 54.4E

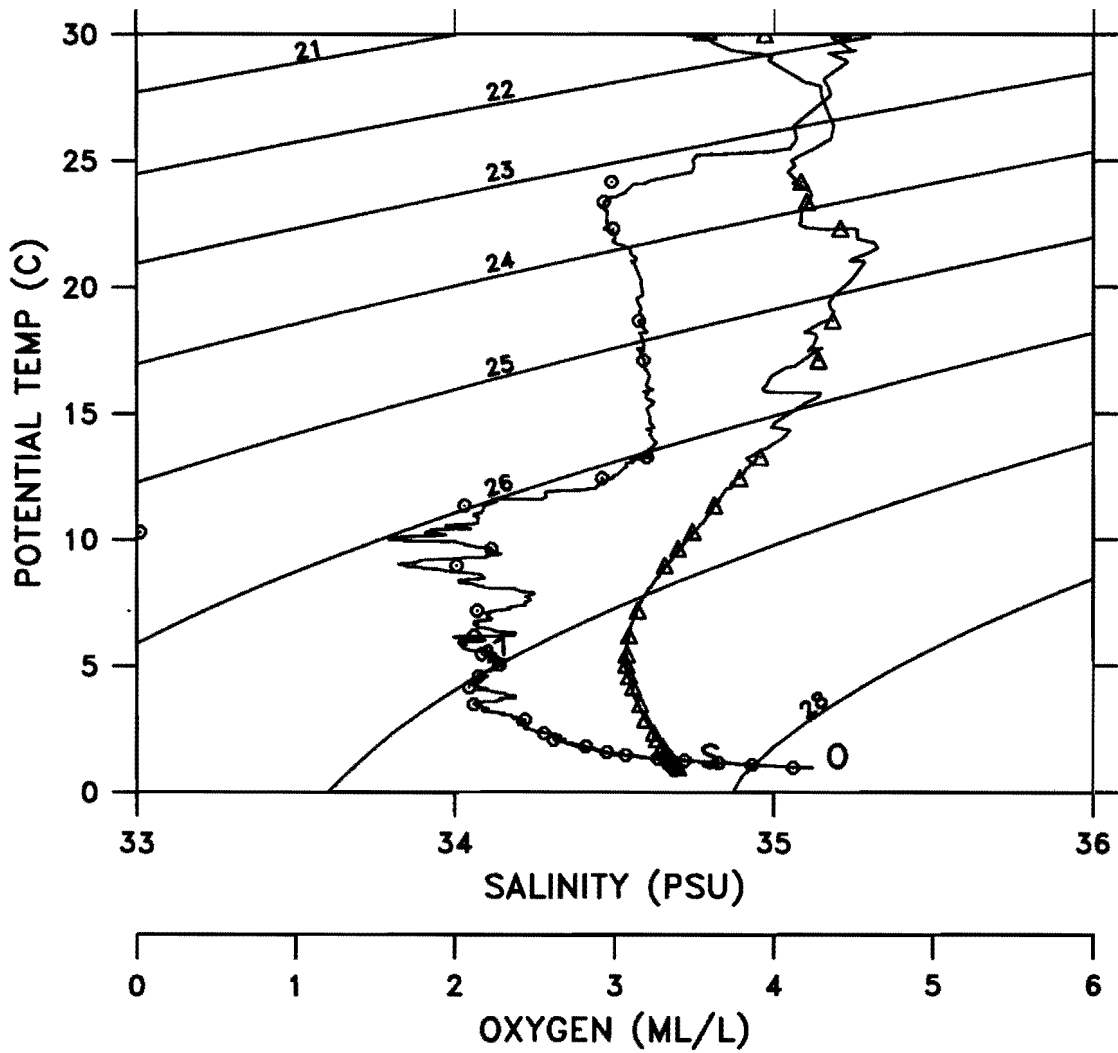


CAST CG2-92-VI -078 DATE 14 OCT 92 TIME 1805 GMT  
 LAT 00 01.4N LONG 164 54.4E WEATHER 2 SEA STATE 3  
 BAROMETER 07 WIND DIR 300 T SPD 07 KT VISIBILITY 6  
 CLOUD 8 AMOUNT 7 DRY 28.9 WET 25.9 DEPTH 4315 M



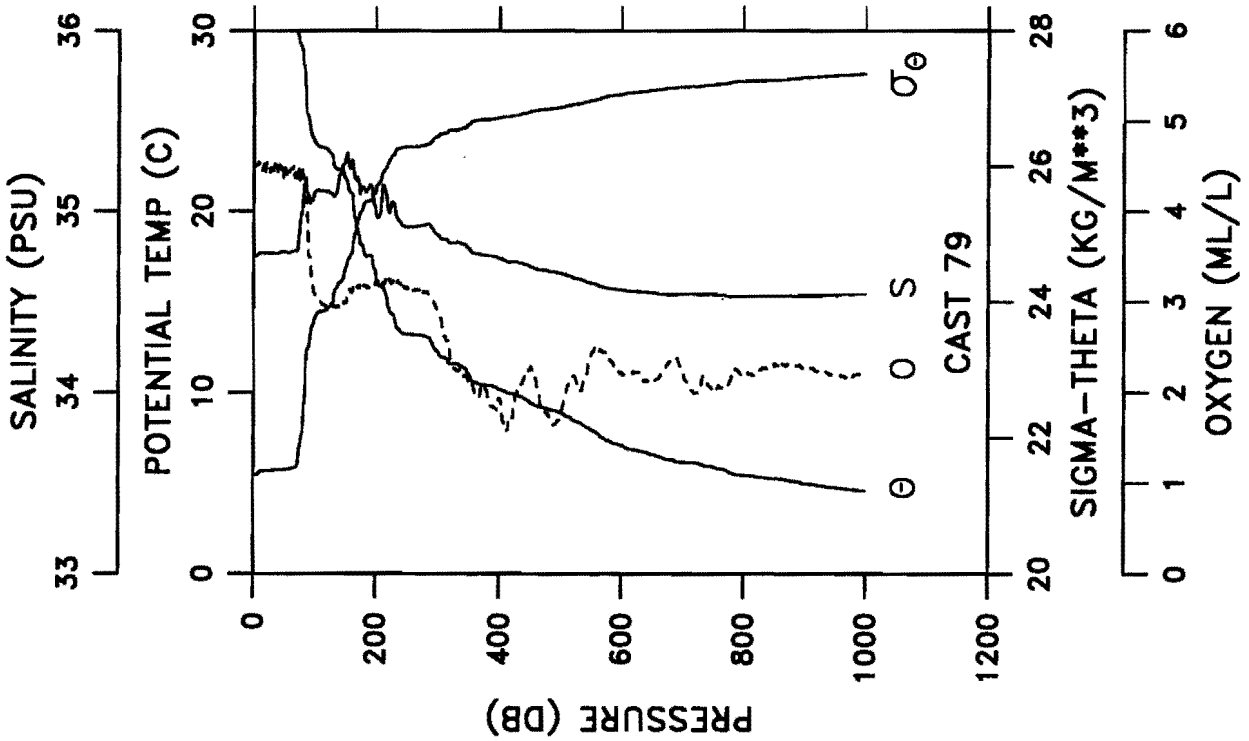
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	30.380	34.751	4.68	21.411	0.000
10	30.225	34.735	4.65	21.453	0.064
20	30.143	34.737	4.69	21.482	0.127
30	30.136	34.740	4.70	21.487	0.190
40	30.128	34.742	4.66	21.491	0.253
50	30.121	34.742	4.63	21.494	0.316
60	30.116	34.744	4.56	21.497	0.380
70	30.095	34.746	4.52	21.506	0.443
80	28.709	35.021	4.50	22.179	0.502
90	24.063	35.038	3.48	23.654	0.552
100	23.622	35.097	3.07	23.828	0.593
110	23.310	35.080	2.98	23.908	0.634
120	22.576	35.103	2.94	24.135	0.674
130	22.246	35.234	2.97	24.328	0.711
140	21.600	35.263	3.02	24.531	0.747
150	20.075	35.190	3.12	24.888	0.780
160	19.263	35.183	3.13	25.095	0.810
170	17.498	35.111	3.18	25.481	0.837
180	16.533	35.025	3.18	25.645	0.862
190	15.342	34.953	3.22	25.861	0.885
200	14.620	34.906	3.18	25.983	0.906
250	13.175	34.850	3.14	26.242	1.002
300	12.542	34.893	2.97	26.402	1.092
350	11.127	34.799	1.92	26.596	1.171
400	10.049	34.712	1.88	26.719	1.244
450	9.087	34.669	1.62	26.845	1.311
500	8.741	34.647	2.15	26.883	1.374
550	7.938	34.604	2.28	26.973	1.436
600	7.218	34.575	2.21	27.054	1.492
650	6.605	34.551	2.26	27.119	1.546
700	6.298	34.549	2.02	27.158	1.597
750	5.753	34.539	2.06	27.219	1.645
800	5.535	34.537	2.07	27.245	1.692
900	4.969	34.539	2.14	27.314	1.781
1000	4.573	34.547	2.08	27.365	1.865
1500	3.028	34.593	2.38	27.558	2.219
2000	2.142	34.630	2.63	27.664	2.502
2500	1.694	34.656	2.86	27.720	2.750
3000	1.432	34.669	3.12	27.750	2.983
3500	1.237	34.681	3.46	27.773	3.206
4000	1.095	34.691	3.81	27.791	3.426
4431	0.871	34.700	4.22	27.806	3.609

CAST CG2-92-VI -079 DATE 14 OCT 92 TIME 2150 GMT  
LAT 00 29.9S LONG 164 59.9E



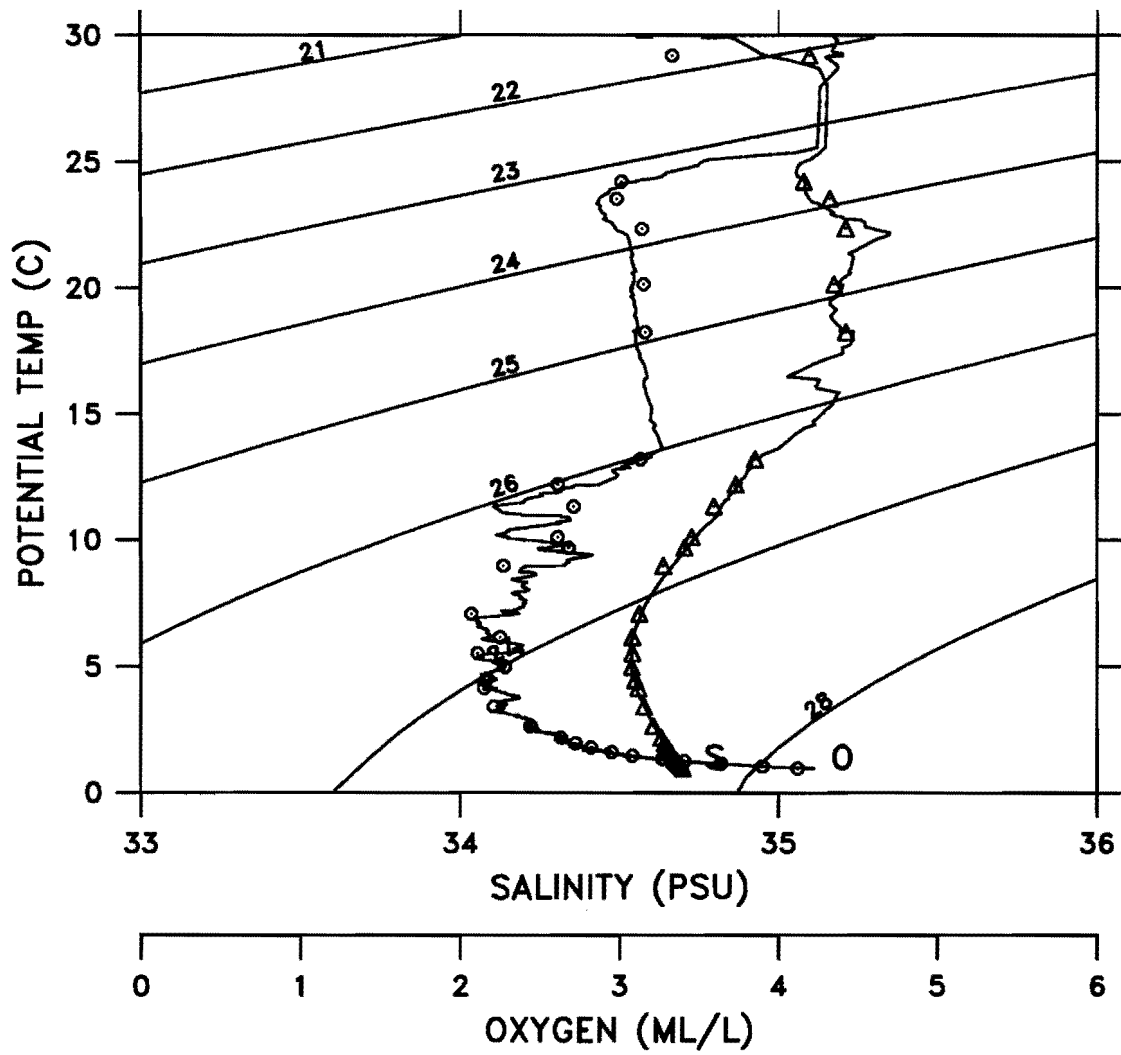


CAST 02-92-VI-079 DATE 14 OCT 92 TIME 2150 GMT  
 LAT 00 29.9S LONG 164 59.9E WEATHER 1 SEA STATE 1  
 BAROMETER 09 WIND DIR 261 T SPD 10 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 6 DRY 28.3 WET DEPTH 4424 M

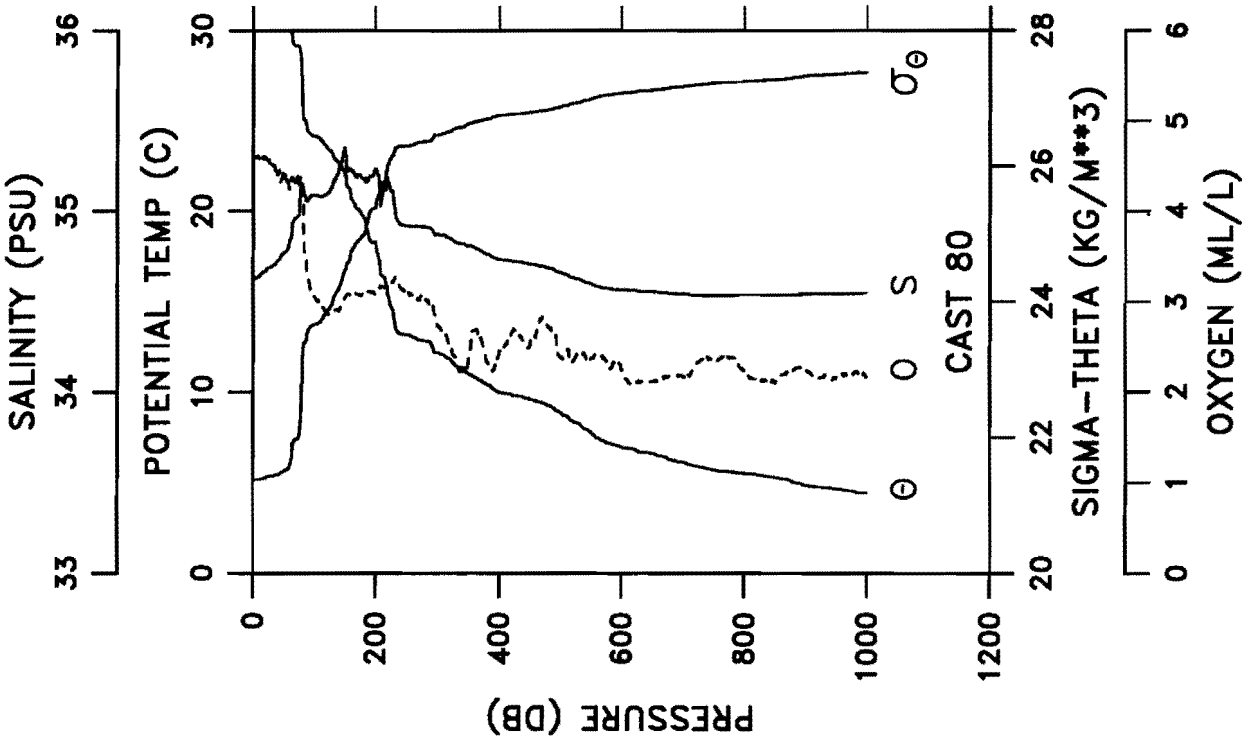


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	30.264	34.750	4.50	21.451	0.000
10	30.154	34.767	4.51	21.501	0.063
20	30.109	34.767	4.51	21.517	0.126
30	30.090	34.767	4.48	21.523	0.189
40	30.074	34.765	4.42	21.527	0.252
50	30.080	34.775	4.40	21.532	0.315
60	30.038	34.769	4.47	21.543	0.377
70	29.988	34.778	4.44	21.567	0.440
80	28.901	34.980	4.46	22.092	0.500
90	25.226	35.084	3.52	23.338	0.550
100	23.875	35.101	3.09	23.757	0.594
110	23.558	35.111	3.00	23.857	0.635
120	23.471	35.110	2.95	23.882	0.676
130	22.985	35.085	2.95	24.004	0.716
140	22.294	35.198	2.94	24.287	0.754
150	21.859	35.277	2.99	24.469	0.790
160	21.028	35.279	3.10	24.700	0.824
170	19.017	35.188	3.15	25.161	0.855
180	17.861	35.128	3.18	25.406	0.882
190	17.584	35.148	3.15	25.489	0.908
200	16.488	34.991	3.22	25.629	0.932
250	13.222	34.914	3.17	26.282	1.033
300	12.266	34.870	2.91	26.438	1.121
350	11.017	34.798	2.13	26.616	1.200
400	10.191	34.740	1.94	26.716	1.272
450	9.495	34.696	2.25	26.800	1.341
500	8.899	34.658	1.76	26.867	1.406
550	7.940	34.603	2.41	26.972	1.468
600	7.092	34.567	2.23	27.065	1.524
650	6.606	34.551	2.14	27.119	1.577
700	6.166	34.542	2.24	27.170	1.628
750	5.923	34.539	2.03	27.199	1.677
800	5.433	34.532	2.19	27.253	1.723
800	4.969	34.533	2.25	27.308	1.813
1000	4.568	34.543	2.19	27.362	1.897
1500	2.862	34.586	2.42	27.576	2.246
2000	2.073	34.635	2.64	27.673	2.527
2500	1.672	34.656	2.87	27.721	2.774
3000	1.451	34.667	3.08	27.746	3.006
3500	1.250	34.679	3.45	27.770	3.231
4000	1.102	34.690	3.81	27.790	3.460
4483	0.974	34.699	4.20	27.805	3.667

CAST CG2-92-VI -080 DATE 15 OCT 92 TIME 0410 GMT  
LAT 00 59.5S LONG 164 59.6E

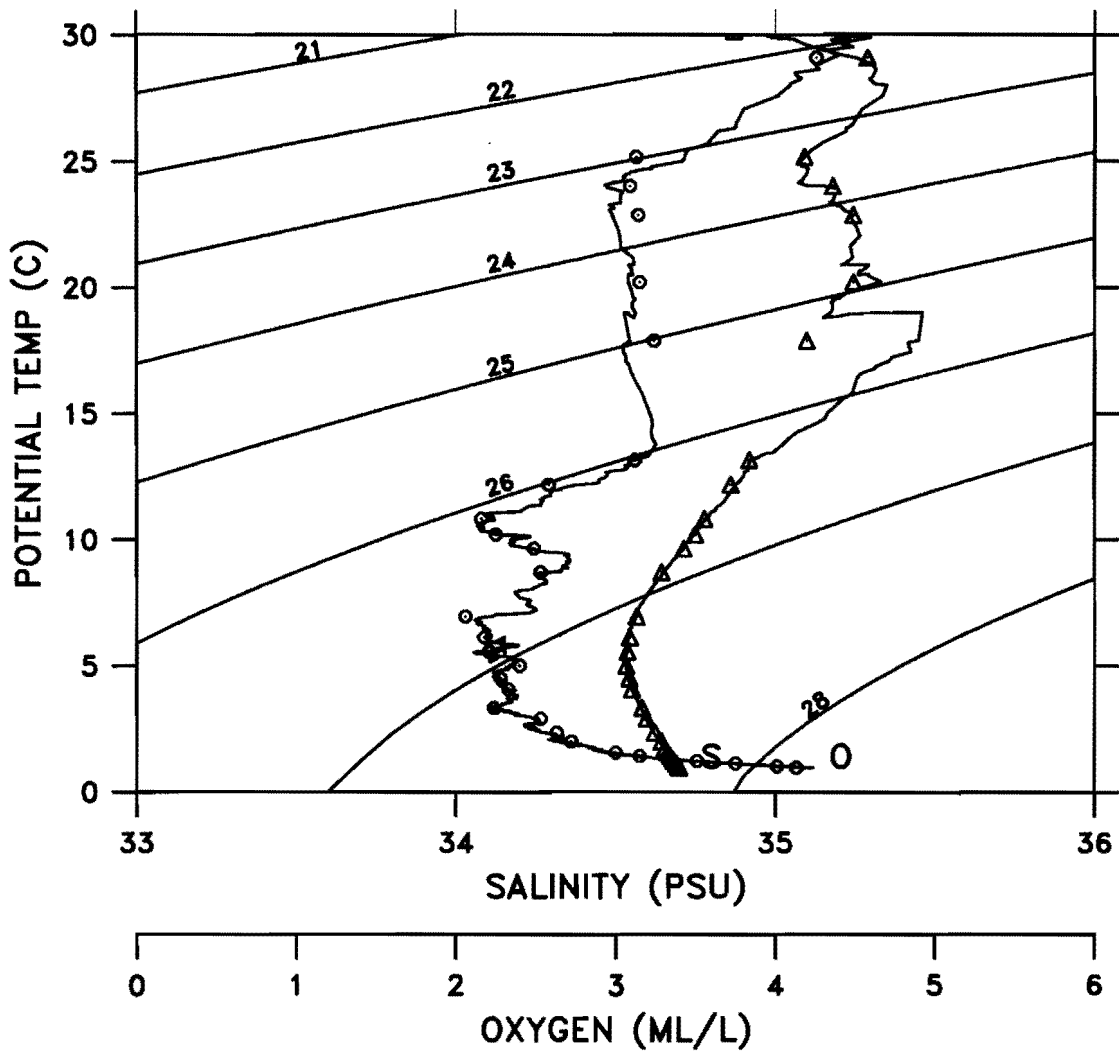


CAST CG2-92-VI-080 DATE 15 OCT 92 TIME 0410 GMT  
 LAT 00 59.55 LONG 164 59.6E WEATHER 2 SEA STATE 2  
 BAROMETER 06 WIND DIR 174 T SPD 12 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 8 DRY 27.5 WET DEPTH 4430 M

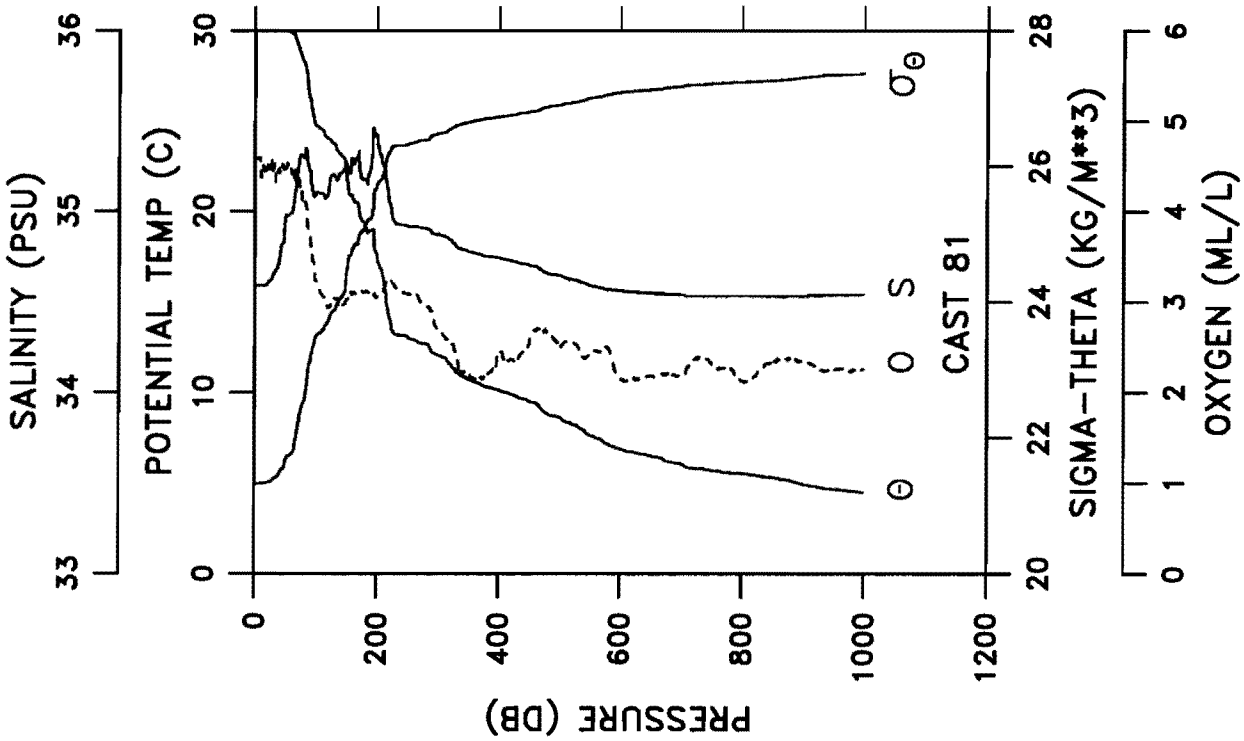


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D
0	30.223	34.631	4.59	21.376	0.000
10	30.231	34.642	4.58	21.381	0.064
20	30.222	34.667	4.60	21.403	0.128
30	30.200	34.693	4.47	21.430	0.192
40	30.200	34.726	4.40	21.455	0.256
50	30.146	34.768	4.35	21.504	0.319
60	29.984	34.840	4.35	21.614	0.382
70	29.185	34.961	4.32	21.975	0.442
80	26.752	35.150	4.25	22.812	0.499
90	24.401	35.061	3.27	23.570	0.544
100	24.162	35.088	3.06	23.661	0.587
110	24.003	35.080	2.99	23.703	0.629
120	23.573	35.093	2.88	23.840	0.671
130	23.144	35.148	2.87	24.006	0.712
140	22.716	35.225	2.89	24.187	0.750
150	22.076	35.347	3.05	24.462	0.787
160	20.780	35.228	3.08	24.728	0.821
170	20.140	35.187	3.08	24.868	0.853
180	19.691	35.181	3.08	24.982	0.884
190	18.451	35.195	3.11	25.311	0.913
200	18.295	35.236	3.10	25.381	0.940
250	13.173	34.918	3.08	26.295	1.043
300	12.187	34.873	2.73	26.456	1.129
350	11.001	34.808	2.39	26.627	1.208
400	9.984	34.732	2.45	26.746	1.280
450	9.592	34.707	2.50	26.793	1.348
500	8.880	34.660	2.39	26.872	1.414
550	7.783	34.597	2.38	26.993	1.475
600	6.994	34.566	2.24	27.078	1.530
650	6.643	34.555	2.12	27.117	1.583
700	6.142	34.543	2.17	27.173	1.633
750	5.715	34.533	2.37	27.220	1.682
800	5.511	34.538	2.22	27.248	1.728
900	4.849	34.540	2.26	27.328	1.817
1000	4.439	34.549	2.17	27.381	1.899
1500	2.940	34.596	2.42	27.568	2.248
2000	2.064	34.637	2.64	27.676	2.526
2500	1.660	34.658	2.87	27.724	2.772
3000	1.435	34.671	3.12	27.751	3.004
3500	1.263	34.680	3.37	27.771	3.229
4000	1.104	34.692	3.77	27.791	3.449
4487	0.975	34.700	4.20	27.806	3.657

CAST CG2-92-VI -081 DATE 15 OCT 92 TIME 1054 GMT  
LAT 01 29.9S LONG 164 59.2E

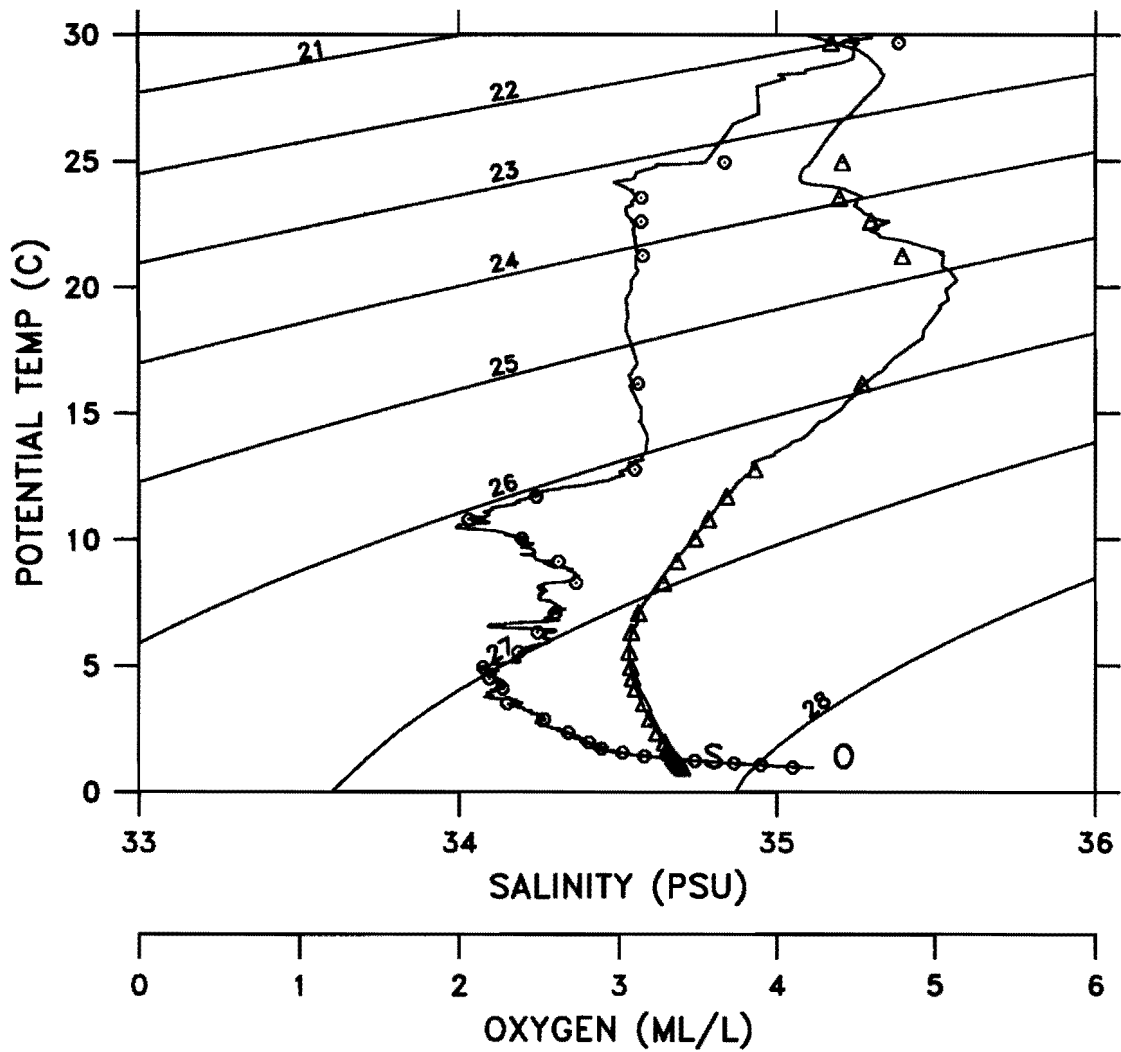


CAST CG2-92-VI-081 DATE 15 OCT 92 TIME 1054 GMT  
 LAT 01 29.9S LONG 164 59.2E WEATHER 2 SEA STATE 3  
 BAROMETER 09 WIND DIR 210 T SPD 10 KT VISIBILITY 7  
 CLOUD 4 AMOUNT 8 DRY 26.9 WET DEPTH 4454 M

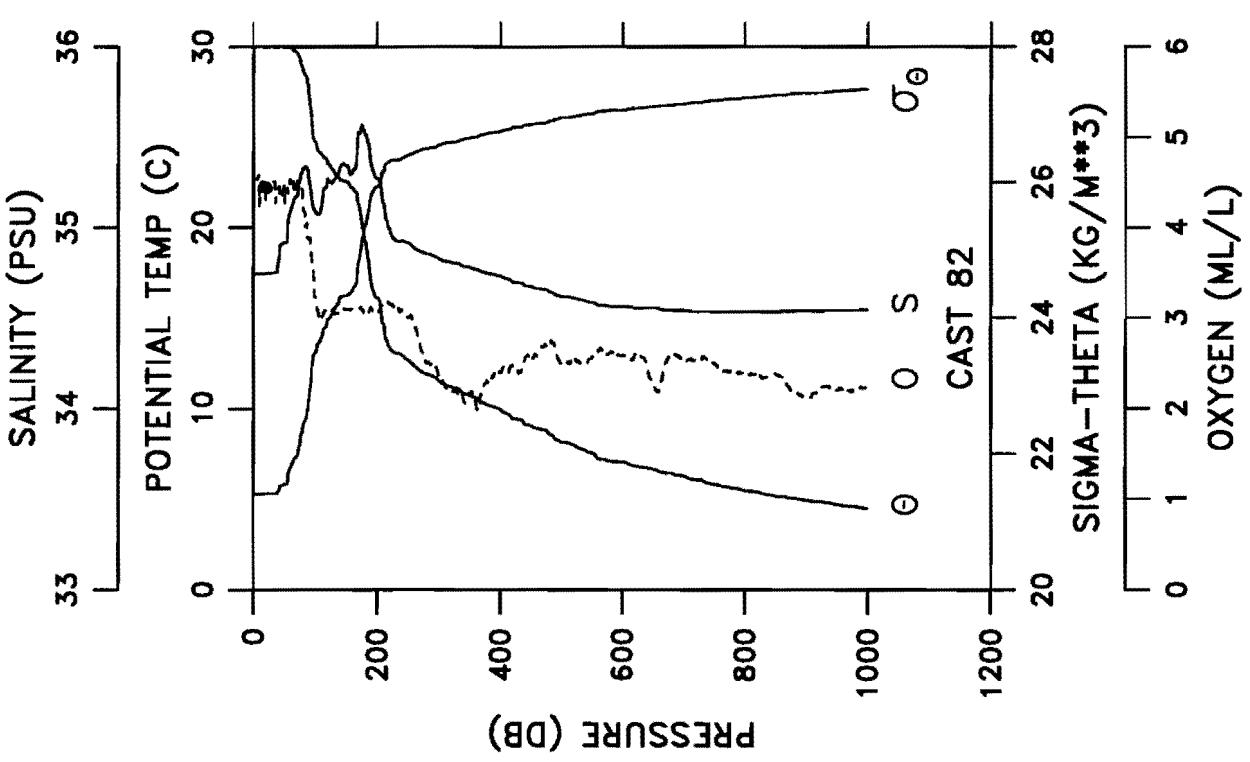


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	30.284	34.591	4.58	21.325	0.000
10	30.272	34.590	4.37	21.328	0.065
20	30.255	34.598	4.49	21.340	0.129
30	30.223	34.647	4.48	21.388	0.194
40	30.158	34.736	4.44	21.477	0.257
50	30.101	34.979	4.47	21.678	0.320
60	29.869	34.987	4.41	21.764	0.381
70	29.178	35.218	4.40	22.171	0.440
80	28.273	35.300	4.16	22.533	0.495
90	26.293	35.222	3.74	23.111	0.546
100	24.746	35.099	3.22	23.495	0.592
110	24.487	35.098	3.07	23.572	0.635
120	24.020	35.195	2.95	23.711	0.678
130	23.735	35.098	3.04	23.869	0.720
140	23.153	35.209	2.99	24.050	0.760
150	22.034	35.266	3.02	24.412	0.798
160	20.689	35.275	3.10	24.789	0.831
170	20.223	35.332	3.08	24.957	0.863
180	19.186	35.179	3.10	25.111	0.893
190	18.939	35.254	3.08	25.232	0.921
200	17.439	35.425	3.05	25.736	0.947
250	13.039	34.917	3.09	26.321	1.043
300	12.062	34.871	2.68	26.477	1.128
350	10.731	34.776	2.21	26.650	1.205
400	10.142	34.743	2.45	26.728	1.277
450	9.521	34.702	2.52	26.800	1.345
500	8.635	34.646	2.49	26.899	1.409
550	7.647	34.580	2.42	27.004	1.469
600	6.901	34.563	2.16	27.088	1.524
650	6.517	34.551	2.18	27.130	1.576
700	6.065	34.539	2.19	27.180	1.626
750	5.715	34.534	2.32	27.221	1.674
800	5.542	34.536	2.13	27.243	1.721
900	4.934	34.533	2.31	27.313	1.811
1000	4.478	34.541	2.26	27.370	1.894
1500	2.858	34.597	2.52	27.576	2.241
2000	2.093	34.636	2.61	27.672	2.518
2500	1.663	34.656	2.87	27.722	2.766
3000	1.432	34.668	3.16	27.748	2.999
3500	1.273	34.678	3.41	27.768	3.225
4000	1.086	34.691	3.86	27.790	3.445
4500	0.977	34.698	4.21	27.805	3.660
4501	0.977	34.699	4.21	27.805	3.660

CAST CG2-92-VI -082 DATE 15 OCT 92 TIME 1716 GMT  
LAT 01 59.8S LONG 164 55.5E

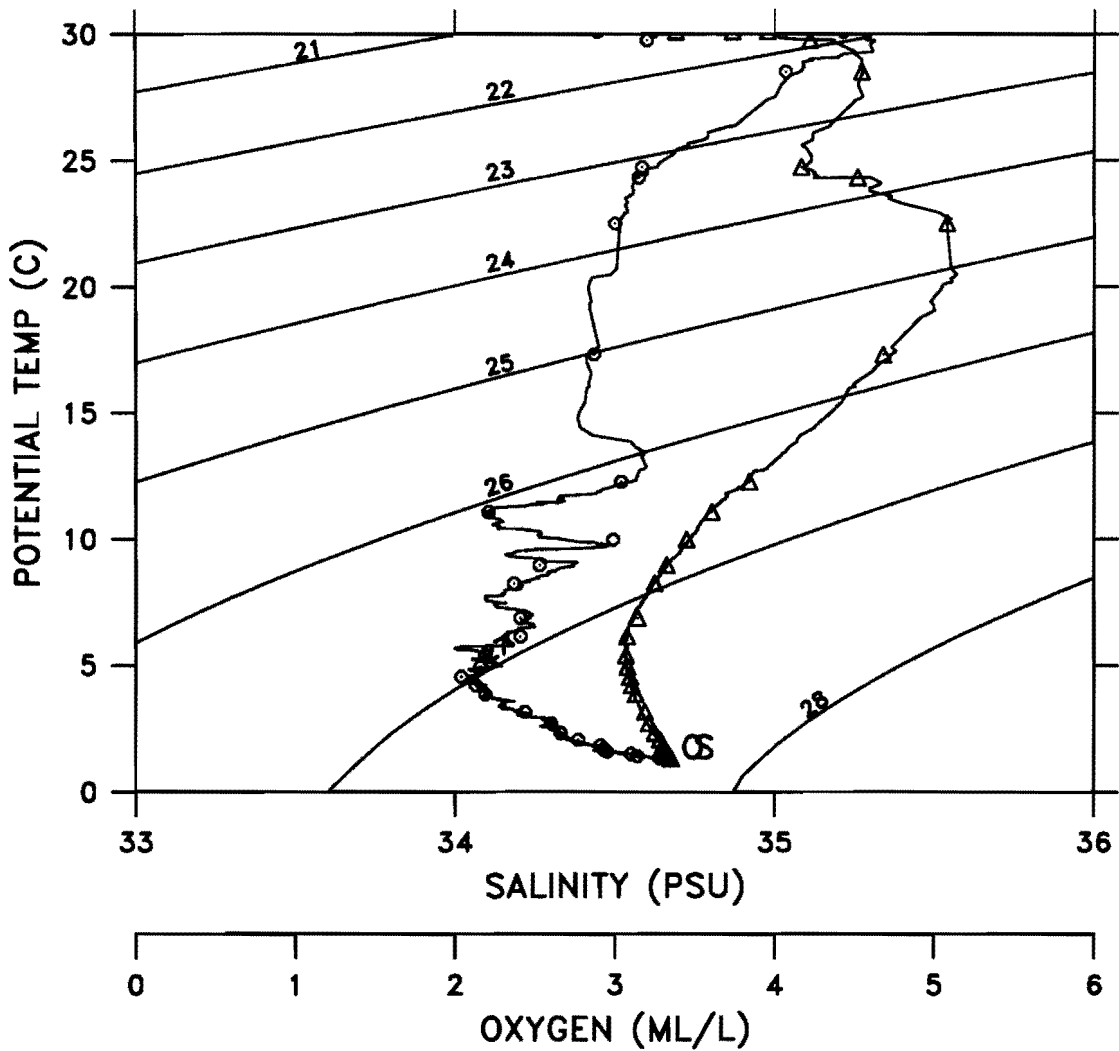


CAST CG2-92-VI -082 DATE 15 OCT 92 TIME 1716 GMT  
 LAT 01 59.8S LONG 164 55.5E WEATHER 2 SEA STATE 4  
 BAROMETER 06 WIND DIR 200 T SPD 16 KT VISIBILITY 7  
 CLOUD 6 AMOUNT 8 DRY 28.6 WET DEPTH 4479 M



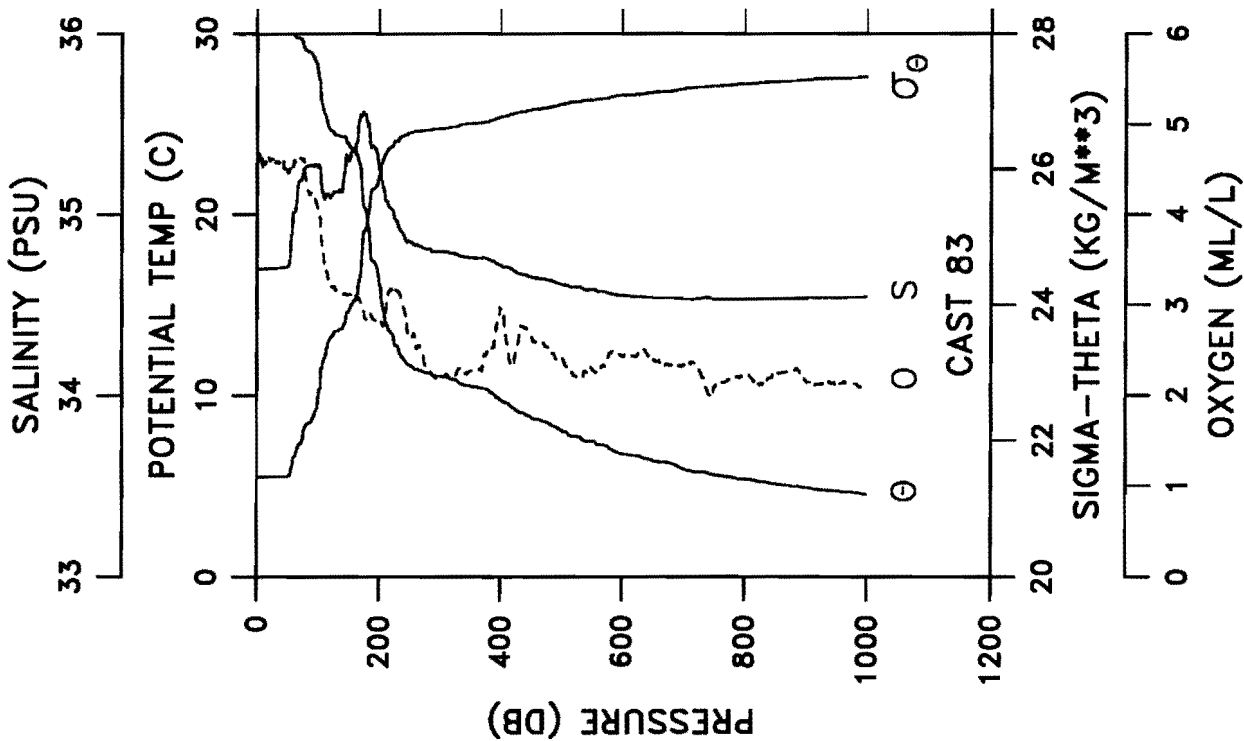
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	30.356	34.743	4.53	21.414	0.000
10	30.358	34.743	4.24	21.413	0.064
20	30.355	34.744	4.31	21.415	0.128
30	30.356	34.746	4.46	21.417	0.191
40	30.369	34.786	4.43	21.442	0.255
50	30.339	34.916	4.46	21.549	0.318
60	30.010	35.088	4.54	21.791	0.380
70	29.715	35.172	4.46	21.954	0.440
80	28.895	35.306	4.41	22.331	0.497
90	27.486	35.276	3.88	22.778	0.550
100	24.778	35.093	3.24	23.481	0.598
110	24.075	35.105	3.00	23.701	0.641
120	23.588	35.267	3.10	23.963	0.682
130	23.143	35.252	3.05	24.085	0.721
140	22.651	35.326	3.08	24.282	0.759
150	22.540	35.342	3.09	24.327	0.796
160	22.211	35.298	3.09	24.387	0.832
170	21.306	35.517	3.11	24.805	0.867
180	19.297	35.519	3.05	25.343	0.897
190	16.966	35.353	3.11	25.794	0.922
200	16.092	35.270	3.10	25.935	0.943
250	12.674	34.915	3.00	26.393	1.034
300	11.505	34.827	2.37	26.549	1.115
350	10.732	34.779	2.15	26.652	1.190
400	9.920	34.730	2.40	26.755	1.261
450	9.059	34.671	2.53	26.852	1.327
500	8.142	34.616	2.50	26.951	1.390
550	7.553	34.585	2.57	27.013	1.448
600	7.061	34.563	2.59	27.067	1.503
650	6.843	34.556	2.28	27.118	1.556
700	6.267	34.539	2.53	27.155	1.607
750	5.813	34.534	2.50	27.208	1.656
800	5.463	34.532	2.40	27.249	1.703
900	4.930	34.539	2.13	27.318	1.792
1000	4.473	34.544	2.25	27.373	1.875
1500	2.845	34.599	2.50	27.579	2.226
2000	2.047	34.638	2.77	27.678	2.505
2500	1.666	34.658	2.91	27.723	2.750
3000	1.415	34.671	3.16	27.752	2.982
3500	1.271	34.680	3.41	27.770	3.206
4000	1.104	34.692	3.82	27.791	3.427
4500	0.978	34.700	4.21	27.806	3.643
4519	0.978	34.701	4.22	27.807	3.651

CAST CG2-92-VI -083 DATE 16 OCT 92 TIME 0137 GMT  
LAT 02 47.8S LONG 164 54.8E



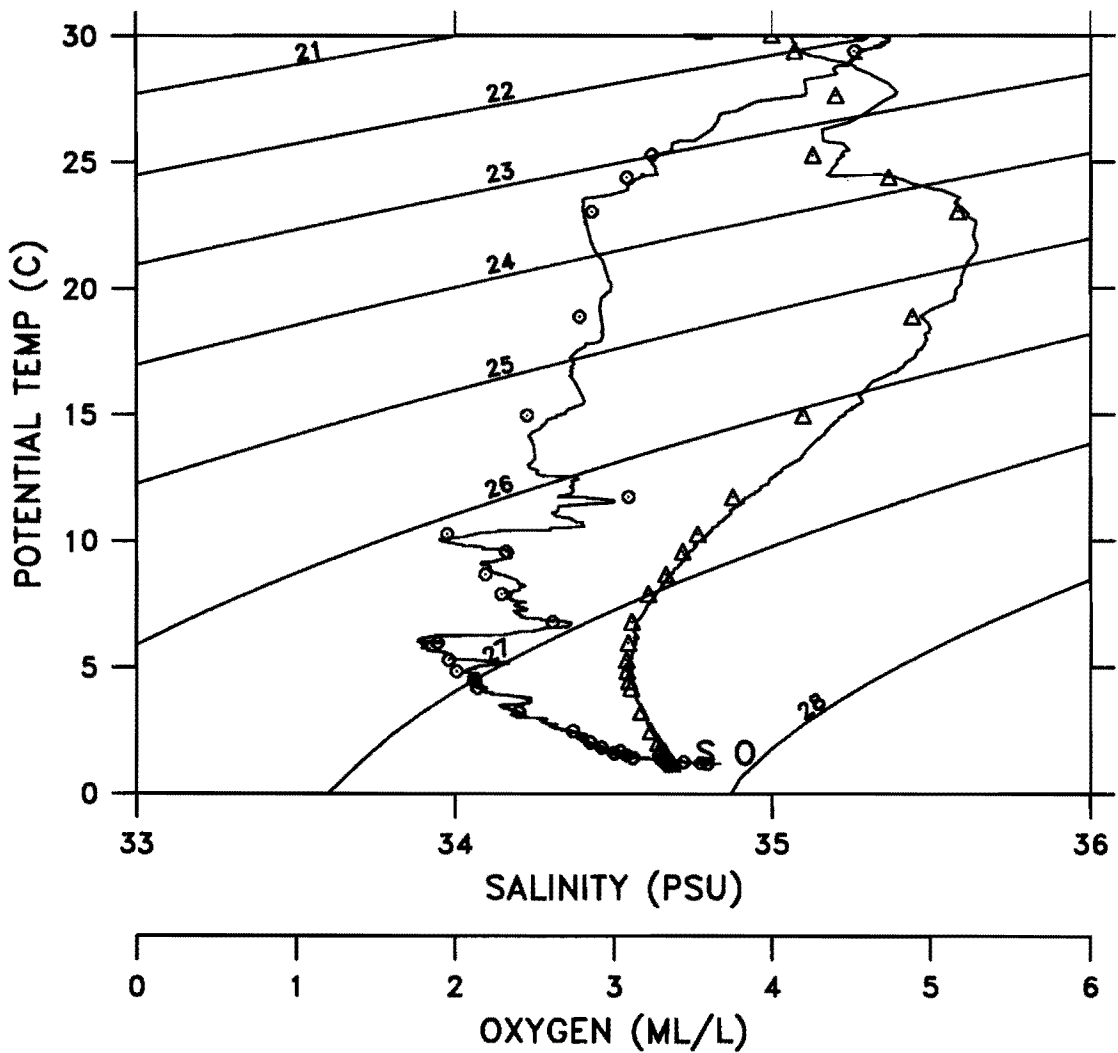


CAST CG2-92-VI -083 DATE 16 OCT 92 TIME 0137 GMT  
 LAT 02 47.8S LONG 164 54.8E WEATHER 1 SEA STATE 3  
 BAROMETER 06 WIND DIR 132 T SPD 15 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 7 DRY 29.5 WET DEPTH 3329 M

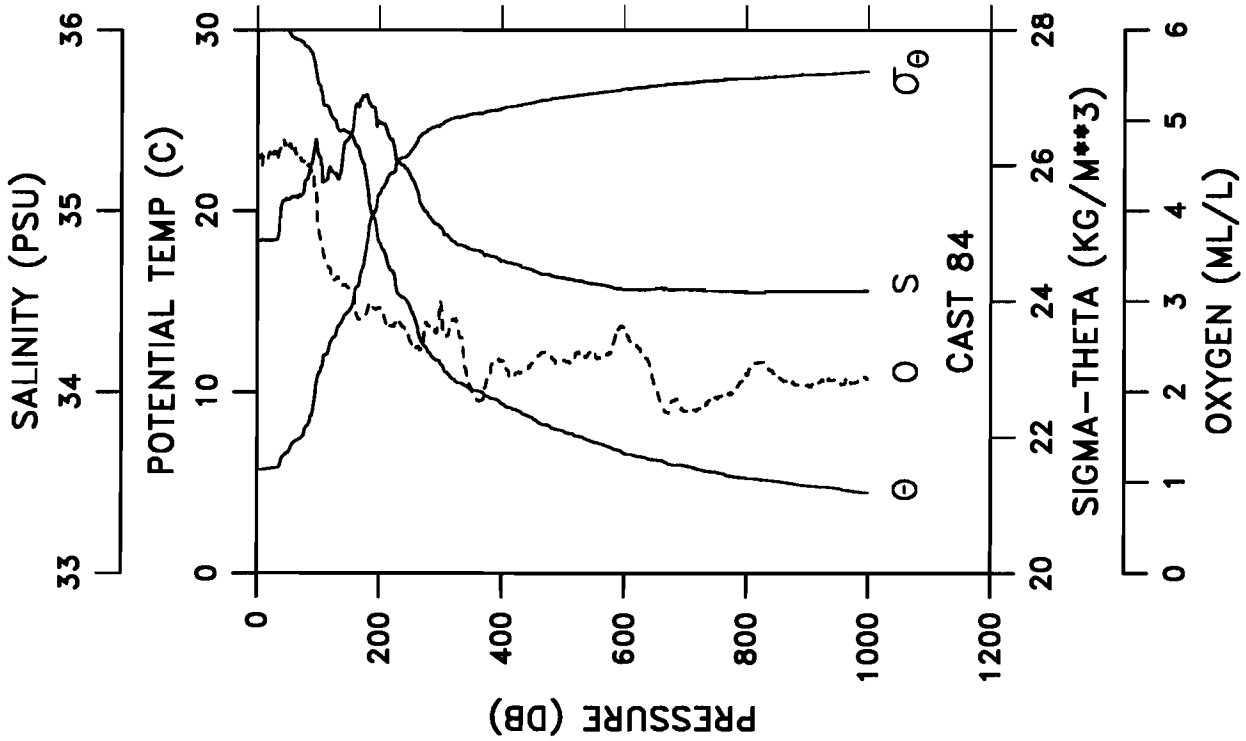


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	30.101	34.699	4.66	21.469	0.000
10	30.102	34.700	4.54	21.469	0.063
20	30.101	34.702	4.61	21.471	0.126
30	30.101	34.704	4.57	21.472	0.190
40	30.102	34.706	4.54	21.474	0.253
50	30.104	34.712	4.48	21.477	0.317
60	29.969	35.012	4.56	21.748	0.379
70	29.751	35.187	4.60	21.953	0.439
80	29.079	35.264	4.40	22.238	0.497
90	28.895	35.271	4.18	22.304	0.553
100	27.987	35.261	4.04	22.597	0.607
110	25.673	35.096	3.46	23.209	0.657
120	24.706	35.093	3.24	23.503	0.702
130	24.419	35.124	3.16	23.612	0.746
140	24.308	35.132	3.12	23.651	0.789
150	23.911	35.297	3.11	23.894	0.831
160	23.512	35.362	3.07	24.061	0.871
170	22.507	35.540	3.03	24.486	0.908
180	19.906	35.521	2.83	25.186	0.938
190	17.423	35.379	2.84	25.705	0.964
200	16.155	35.247	2.83	25.903	0.986
250	11.673	34.850	2.65	26.535	1.073
300	11.062	34.795	2.19	26.605	1.149
350	10.515	34.760	2.27	26.676	1.223
400	9.769	34.719	2.95	26.772	1.293
450	8.812	34.656	2.65	26.879	1.358
500	8.081	34.614	2.42	26.959	1.419
550	7.455	34.582	2.29	27.026	1.476
600	6.766	34.552	2.29	27.098	1.531
650	6.416	34.542	2.40	27.137	1.583
700	5.951	34.534	2.34	27.189	1.633
750	5.618	34.532	2.09	27.232	1.680
800	5.370	34.532	2.23	27.261	1.726
900	4.897	34.537	2.16	27.320	1.814
1000	4.515	34.544	2.11	27.368	1.897
1500	2.992	34.591	2.43	27.559	2.251
2000	2.043	34.637	2.74	27.677	2.532
2500	1.623	34.660	2.88	27.728	2.774
3000	1.419	34.672	3.17	27.753	3.004
3277	1.325	34.678	3.29	27.765	3.129

CAST CG2-92-VI -084 DATE 16 OCT 92 TIME 0725 GMT  
LAT 03 11.4S LONG 164 43.6E

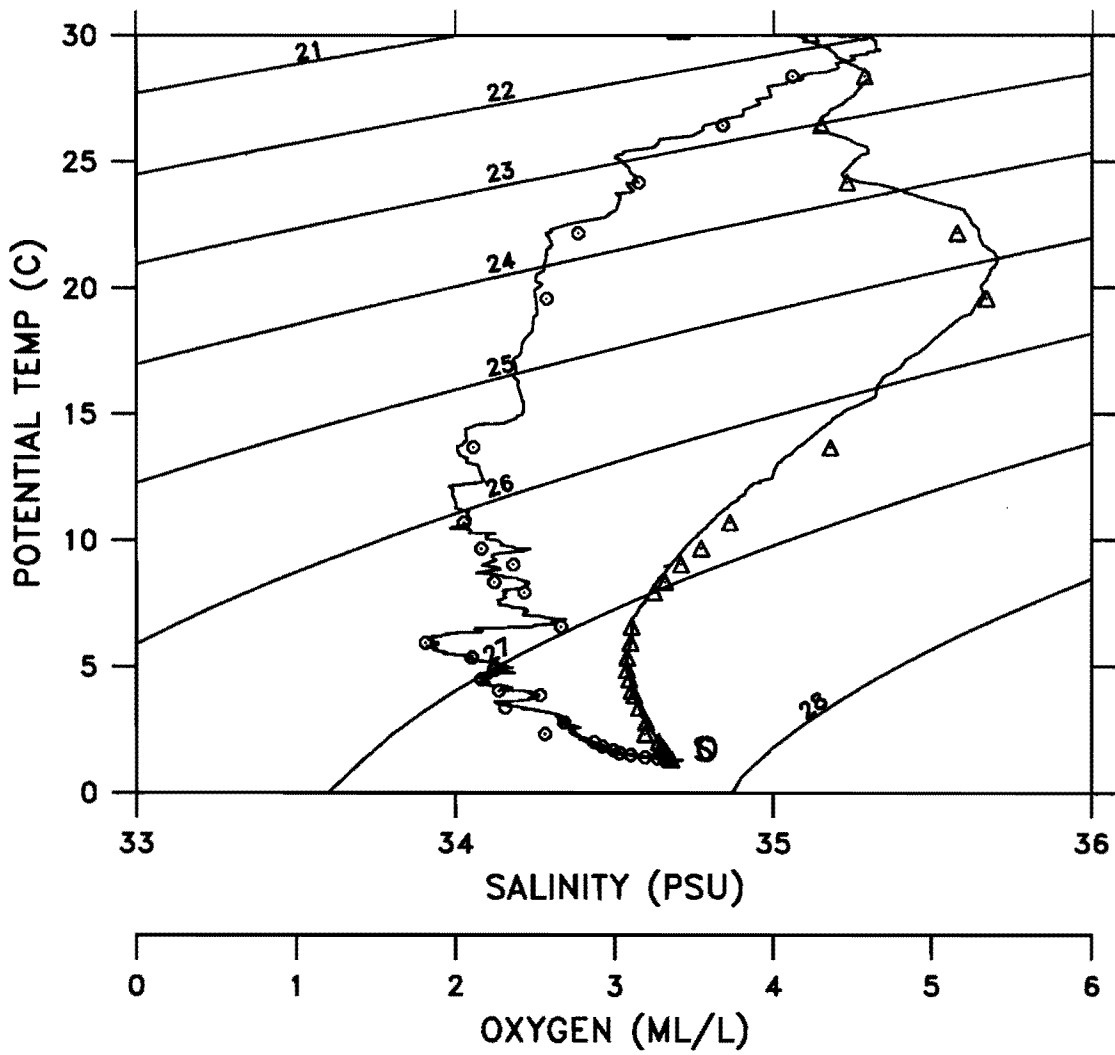


CAST CG2-92-VI -084 DATE 16 OCT 92 TIME 0725 GMT  
 LAT 03 11.4S LONG 164 43.6E WEATHER 1 SEA STATE 2  
 BAROMETER 08 WIND DIR 161 T SPD 14 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 7 DRY 28.8 WET DEPTH 3728 M

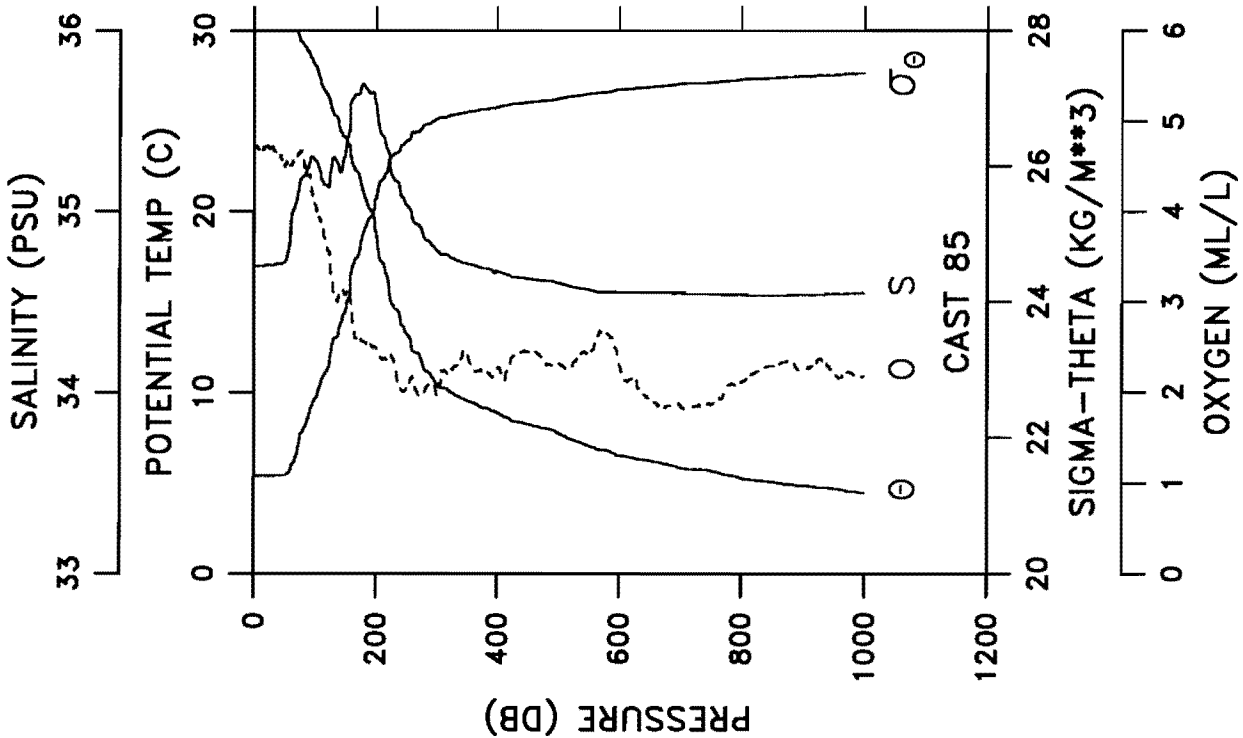


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	30.227	34.836	4.58	21.528	0.000
10	30.229	34.839	4.60	21.529	0.063
20	30.199	34.837	4.65	21.538	0.125
30	30.159	34.839	4.66	21.554	0.188
40	30.157	35.030	4.73	21.697	0.250
50	29.998	35.062	4.71	21.776	0.311
60	29.557	35.076	4.67	21.936	0.371
70	29.434	35.083	4.57	21.983	0.429
80	29.108	35.168	4.56	22.156	0.487
90	28.701	35.267	4.39	22.366	0.544
100	27.061	35.310	3.79	22.934	0.596
110	25.829	35.164	3.49	23.212	0.644
120	25.421	35.227	3.37	23.386	0.691
130	24.747	35.190	3.26	23.563	0.736
140	24.495	35.318	3.17	23.736	0.779
150	24.332	35.404	3.14	23.850	0.820
160	23.703	35.570	2.98	24.162	0.860
170	22.920	35.618	2.81	24.427	0.898
180	21.434	35.640	2.88	24.864	0.932
190	19.706	35.575	2.94	25.279	0.961
200	18.250	35.494	2.92	25.590	0.987
250	14.710	35.199	2.57	26.190	1.094
300	11.541	34.911	3.00	26.608	1.176
350	10.142	34.788	2.04	26.763	1.246
400	9.354	34.725	2.35	26.845	1.312
450	8.586	34.675	2.32	26.929	1.375
500	7.861	34.631	2.34	27.005	1.433
550	7.241	34.598	2.44	27.069	1.488
600	6.609	34.568	2.71	27.132	1.541
650	6.254	34.569	2.05	27.179	1.591
700	5.927	34.567	1.79	27.220	1.639
750	5.585	34.558	1.94	27.256	1.685
800	5.227	34.551	2.19	27.293	1.729
900	4.820	34.556	2.08	27.344	1.814
1000	4.432	34.560	2.14	27.390	1.895
1500	2.925	34.600	2.56	27.573	2.246
2000	2.023	34.641	2.84	27.682	2.521
2500	1.625	34.659	2.99	27.728	2.762
3000	1.406	34.672	3.16	27.753	2.993
3500	1.234	34.682	3.50	27.774	3.216
3782	1.181	34.687	3.63	27.781	3.340

CAST CG2-92-VI -085 DATE 16 OCT 92 TIME 1306 GMT  
LAT 03 34.3S LONG 164 32.4E

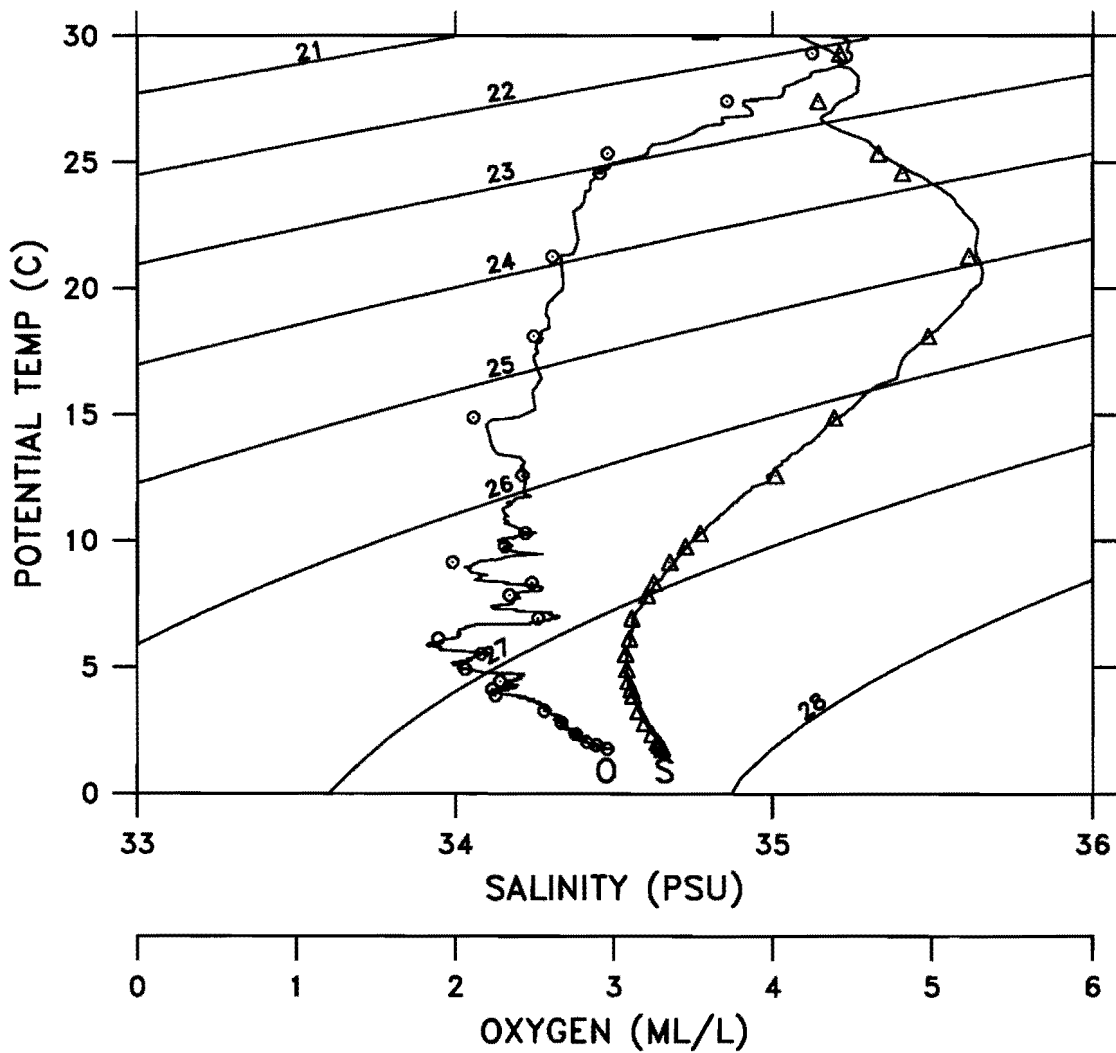


CAST CG2-92-VI-085 DATE 16 OCT 92 TIME 1306 GMT  
 LAT 03 34.3S LONG 164 32.4E WEATHER 6 SEA STATE 4  
 BAROMETER 08 WIND DIR 030 T SPD 17 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 7 DRY 27.6 WET DEPTH 3292 M

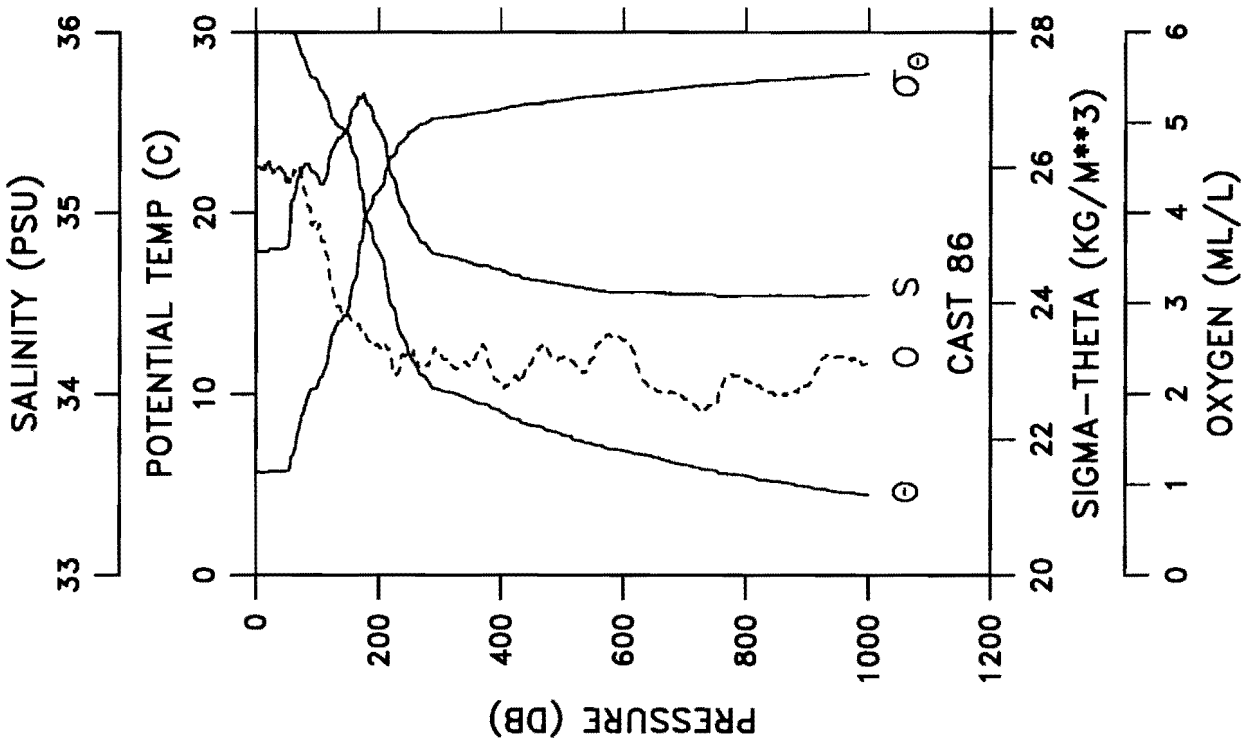


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D
0	30.159	34.698	4.71	21.448	0.000
10	30.154	34.699	4.67	21.451	0.063
20	30.165	34.702	4.71	21.449	0.127
30	30.161	34.702	4.72	21.450	0.190
40	30.174	34.711	4.64	21.453	0.254
50	30.172	34.720	4.49	21.460	0.318
60	30.297	34.910	4.51	21.560	0.381
70	30.030	35.060	4.58	21.764	0.443
80	29.299	35.192	4.59	22.110	0.501
90	28.757	35.261	4.41	22.344	0.558
100	28.097	35.283	4.08	22.578	0.612
110	27.040	35.177	3.81	22.840	0.664
120	26.434	35.137	3.57	23.003	0.714
130	25.394	35.299	3.06	23.449	0.761
140	24.653	35.229	3.09	23.621	0.805
150	24.082	35.335	3.08	23.873	0.847
160	22.782	35.617	2.94	24.466	0.886
170	22.145	35.647	2.57	24.670	0.920
180	20.925	35.702	2.56	25.050	0.951
190	20.084	35.655	2.53	25.241	0.980
200	18.834	35.592	2.49	25.517	1.007
250	13.261	35.035	2.06	26.368	1.108
300	10.455	34.782	1.97	26.703	1.185
350	9.542	34.711	2.42	26.803	1.253
400	8.884	34.667	2.26	26.876	1.317
450	8.251	34.627	2.45	26.943	1.377
500	7.765	34.603	2.31	26.997	1.436
550	7.070	34.568	2.43	27.069	1.491
600	6.524	34.555	2.29	27.133	1.544
650	6.242	34.552	1.93	27.168	1.594
700	5.828	34.548	1.86	27.217	1.642
750	5.670	34.546	1.86	27.235	1.689
800	5.269	34.538	2.10	27.278	1.735
900	4.861	34.537	2.25	27.325	1.821
1000	4.465	34.546	2.17	27.376	1.904
1500	3.018	34.588	2.64	27.554	2.263
2000	2.018	34.641	2.86	27.683	2.544
2500	1.628	34.662	2.98	27.729	2.786
3000	1.413	34.673	3.20	27.754	3.015
3320	1.299	34.680	3.38	27.768	3.159

CAST CG2-92-VI -086 DATE 16 OCT 92 TIME 1752 GMT  
LAT 03 58.5S LONG 164 21.5E

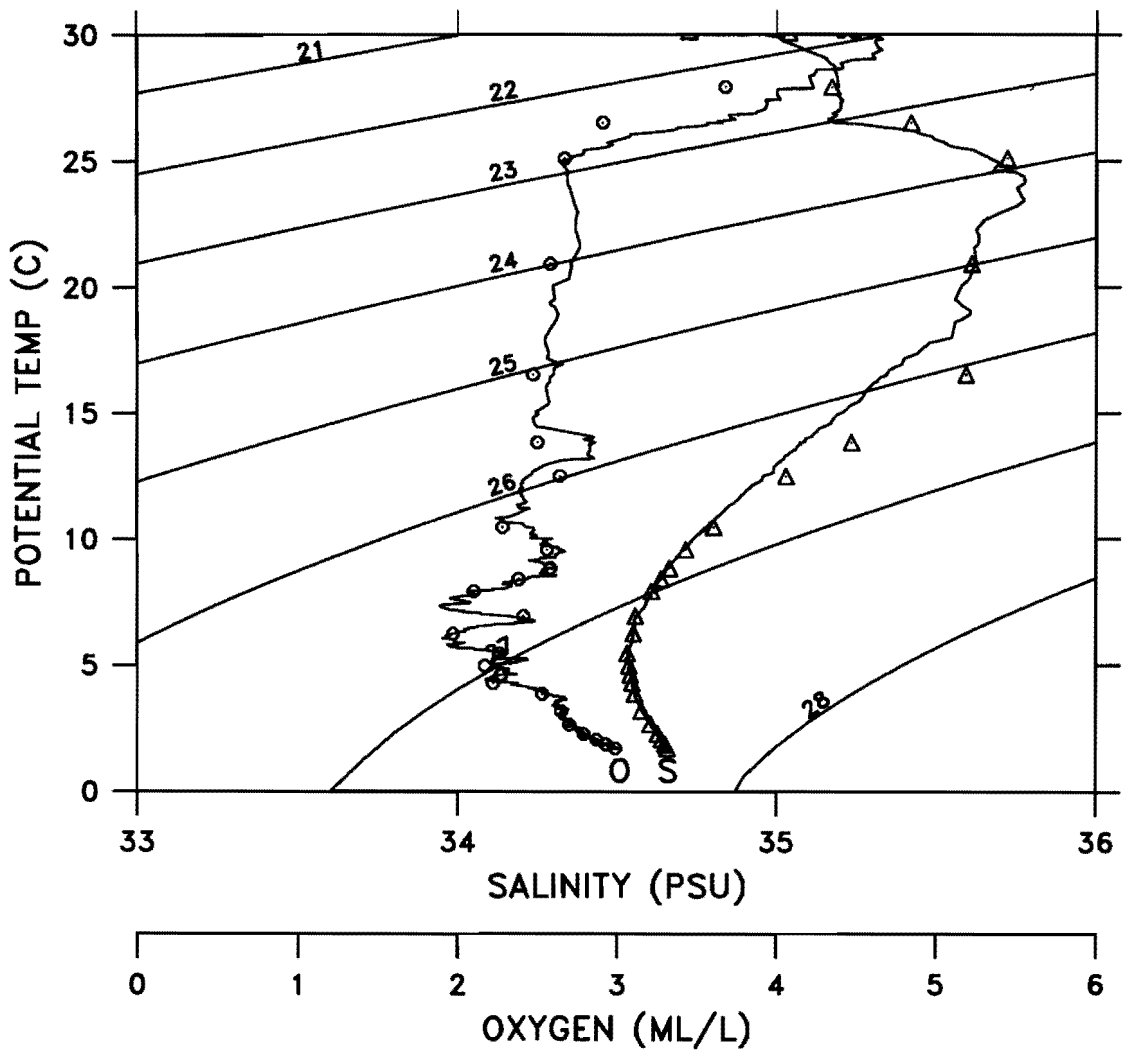


CAST CG2-92-VI--086 DATE 16 OCT 92 TIME 1752 GMT  
 LAT 03 58.5S LONG 164 21.5E WEATHER 6 SEA STATE 3  
 BAROMETER 07 WIND DIR 020 T SPD 15 KT VISIBILITY 7  
 CLOUD 8 AMOUNT 7 DRY 28.3 WET DEPTH 2195 M



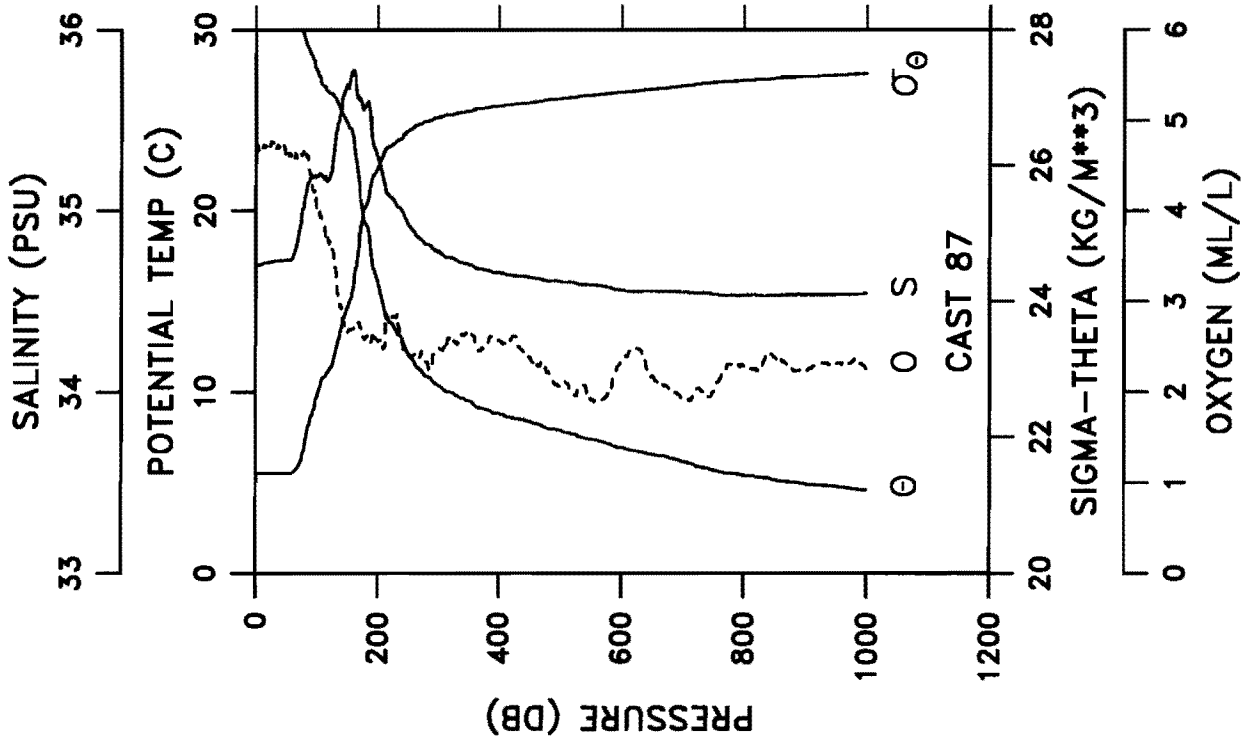
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	30.160	34.785	4.50	21.513	0.000
10	30.178	34.784	4.51	21.506	0.063
20	30.164	34.790	4.56	21.515	0.126
30	30.154	34.797	4.42	21.524	0.189
40	30.154	34.797	4.49	21.524	0.251
50	30.170	34.809	4.34	21.528	0.314
60	30.036	35.070	4.44	21.768	0.376
70	29.165	35.208	4.50	22.167	0.435
80	28.320	35.269	4.22	22.494	0.490
90	27.491	35.229	3.86	22.735	0.543
100	27.262	35.199	3.81	22.786	0.594
110	26.532	35.170	3.69	22.996	0.644
120	25.698	35.309	3.24	23.363	0.692
130	24.912	35.394	2.97	23.667	0.736
140	24.695	35.424	2.91	23.756	0.778
150	24.335	35.479	2.87	23.906	0.819
160	23.196	35.587	2.78	24.324	0.857
170	21.325	35.634	2.71	24.889	0.892
180	19.630	35.607	2.62	25.323	0.921
190	18.848	35.551	2.59	25.483	0.948
200	17.890	35.468	2.53	25.659	0.972
250	12.147	34.940	2.43	26.514	1.068
300	10.230	34.766	2.43	26.730	1.141
350	9.686	34.724	2.30	26.790	1.208
400	9.036	34.684	2.11	26.866	1.273
450	8.260	34.629	2.34	26.944	1.334
500	7.747	34.604	2.40	27.001	1.393
550	7.230	34.574	2.39	27.051	1.448
600	6.878	34.559	2.58	27.089	1.502
650	6.508	34.558	2.06	27.138	1.554
700	6.103	34.550	1.94	27.184	1.604
750	5.766	34.543	1.91	27.221	1.652
800	5.498	34.540	2.16	27.253	1.698
800	4.867	34.541	2.09	27.325	1.786
1000	4.414	34.545	2.33	27.380	1.868
1500	2.967	34.593	2.64	27.563	2.224
2000	2.037	34.641	2.82	27.681	2.508
2225	1.775	34.655	2.95	27.713	2.619

CAST CG2-92-VI -087 DATE 16 OCT 92 TIME 2231 GMT  
LAT 04 21.6S LONG 164 10.4E



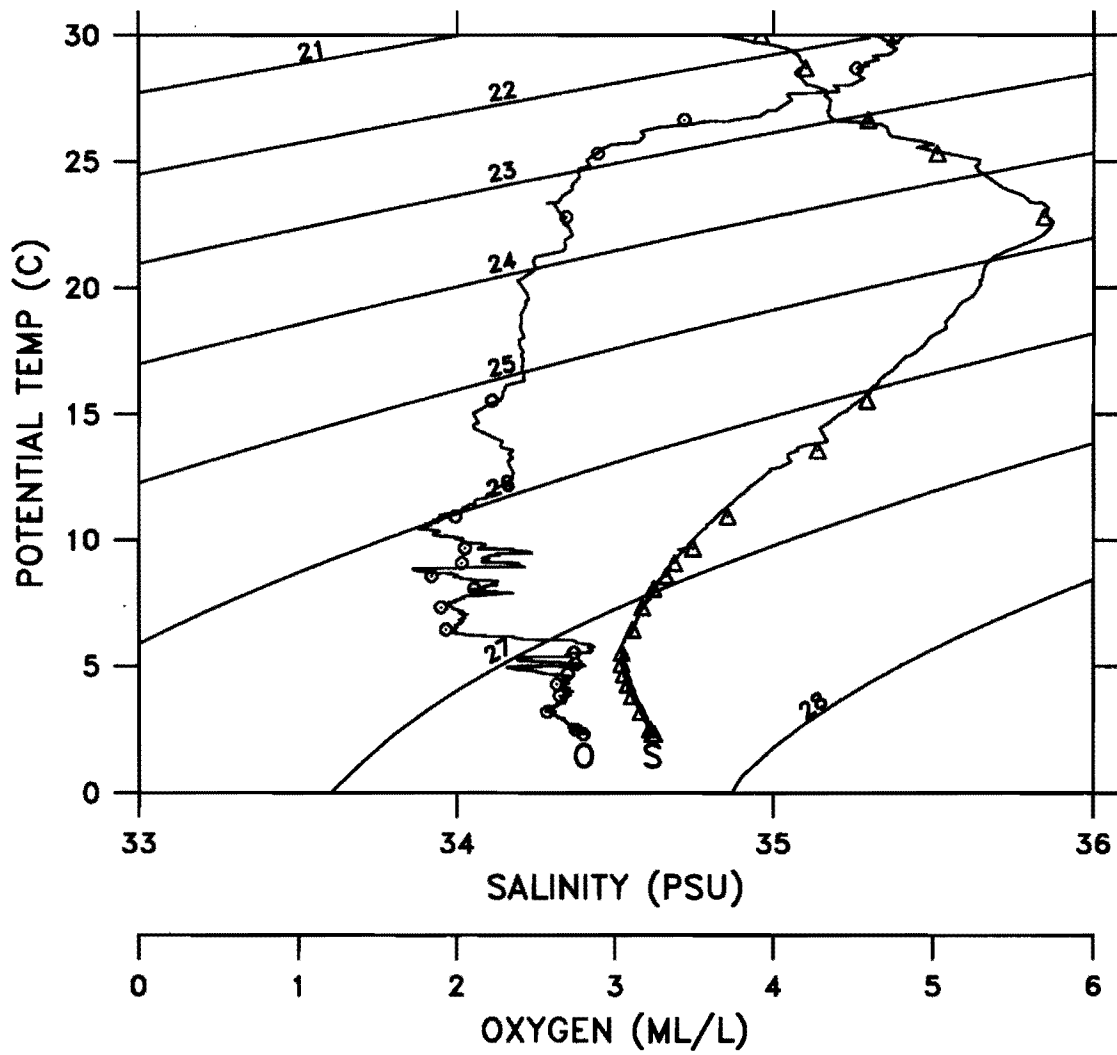


CAST CG2-92-VI -067 DATE 16 OCT 92 TIME 2231 GMT  
 LAT 04 21.6S LONG 164 10.4E WEATHER 2 SEA STATE 3  
 BAROMETER 09 WIND DIR 046 T SPD 14 KT VISIBILITY 7  
 CLOUD 9 AMOUNT 8 DRY 29.3 WET DEPTH 2372 M

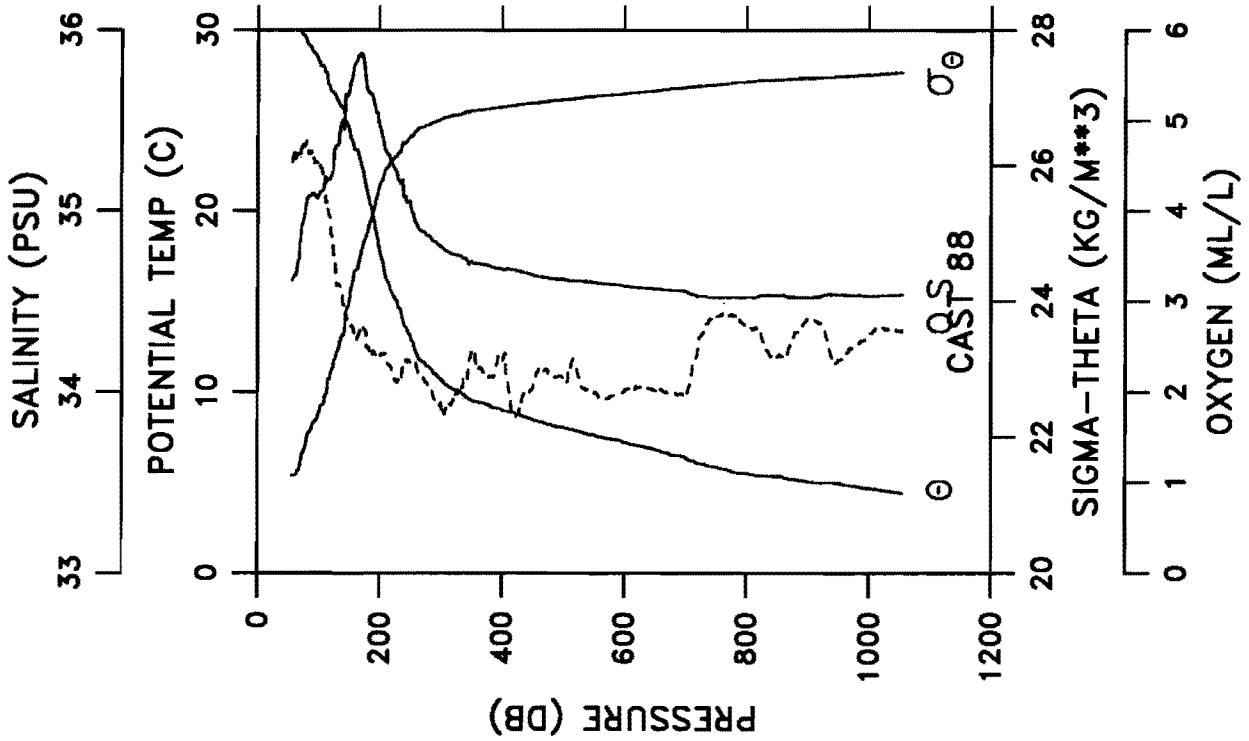


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH (DYN-M)	DELTA-D (DYN-M)
0	30.105	34.701	4.74	21.469	0.000
10	30.112	34.705	4.72	21.470	0.063
20	30.122	34.713	4.68	21.472	0.126
30	30.131	34.721	4.72	21.475	0.190
40	30.136	34.725	4.74	21.476	0.253
50	30.136	34.727	4.67	21.478	0.316
60	30.136	34.736	4.63	21.484	0.380
70	30.103	34.863	4.59	21.590	0.443
80	28.501	35.073	4.63	21.953	0.504
90	28.660	35.185	4.41	22.318	0.561
100	27.818	35.189	4.00	22.598	0.615
110	26.973	35.194	3.88	22.875	0.667
120	26.544	35.179	3.65	22.998	0.717
130	26.244	35.403	3.36	23.263	0.765
140	25.536	35.562	2.92	23.603	0.810
150	24.884	35.699	2.65	23.907	0.851
160	23.926	35.753	2.70	24.236	0.891
170	20.924	35.627	2.71	24.993	0.925
180	19.248	35.584	2.60	25.405	0.953
190	17.170	35.399	2.56	25.781	0.977
200	16.056	35.293	2.55	25.961	0.989
250	12.114	34.924	2.39	26.509	1.088
300	10.345	34.770	2.48	26.713	1.162
350	9.517	34.703	2.66	26.802	1.229
400	8.822	34.658	2.56	26.879	1.293
450	8.374	34.634	2.38	26.930	1.354
500	7.880	34.609	2.06	26.985	1.413
550	7.396	34.591	1.92	27.041	1.469
600	6.915	34.561	2.34	27.085	1.523
650	6.552	34.555	2.17	27.129	1.576
700	6.162	34.548	1.94	27.175	1.626
750	5.679	34.539	2.00	27.228	1.674
800	5.404	34.534	2.28	27.258	1.720
900	4.930	34.537	2.23	27.316	1.809
1000	4.600	34.544	2.25	27.359	1.893
1500	2.904	34.593	2.67	27.569	2.252
2000	2.048	34.638	2.85	27.678	2.528
2392	1.693	34.658	3.02	27.722	2.722

CAST CG2-92-VI -088 DATE 17 OCT 92 TIME 0312 GMT  
LAT 04 44.9S LONG 164 00.2E



CAST CG2-92-VI -088 DATE 17 OCT 92 TIME 0312 GMT  
 LAT 04 44.9S LONG 164 00.2E WEATHER 2 SEA STATE 2  
 BAROMETER 07 WIND DIR 152 T SPD 11 KT VISIBILITY 7  
 CLOUD 3 AMOUNT 8 DRY 27.0 WET DEPTH 1834 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
56	30.029	34.614	4.54	21.429	0.000
57	30.036	34.619	4.54	21.431	0.006
58	30.045	34.626	4.59	21.433	0.013
59	30.055	34.633	4.61	21.435	0.019
60	30.064	34.641	4.64	21.438	0.026
61	30.063	34.643	4.55	21.440	0.032
62	30.062	34.646	4.59	21.442	0.038
70	29.974	34.830	4.63	21.610	0.089
80	29.451	35.046	4.77	21.949	0.149
90	28.826	35.095	4.59	22.196	0.207
100	28.309	35.086	4.56	22.360	0.263
110	27.755	35.170	4.41	22.604	0.317
120	26.841	35.190	3.75	22.977	0.369
130	26.171	35.360	3.16	23.253	0.417
140	25.640	35.483	2.97	23.512	0.462
150	24.503	35.654	2.77	23.986	0.504
160	23.359	35.812	2.63	24.447	0.541
170	22.509	35.872	2.67	24.737	0.576
180	20.930	35.665	2.48	25.021	0.607
190	19.532	35.606	2.45	25.348	0.635
200	17.708	35.470	2.39	25.705	0.661
250	13.128	35.055	2.32	26.410	0.759
300	10.720	34.804	1.88	26.674	0.836
350	9.545	34.719	2.44	26.809	0.904
400	8.996	34.677	2.35	26.866	0.968
450	8.473	34.644	2.03	26.923	1.030
500	8.035	34.621	2.14	26.971	1.089
550	7.624	34.604	2.00	27.018	1.147
600	7.207	34.583	2.01	27.062	1.202
650	6.821	34.568	2.02	27.103	1.256
700	6.363	34.555	1.97	27.151	1.308
750	5.860	34.522	2.83	27.193	1.357
800	5.510	34.524	2.71	27.237	1.404
900	5.039	34.520	2.80	27.290	1.495
1000	4.688	34.528	2.65	27.339	1.581
1500	2.898	34.594	2.67	27.570	1.940
1836	2.328	34.624	2.80	27.644	2.132



## HYDROGRAPHIC DATA

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CAST CG0-92-VI -002 LAT 38 04.7N LONG 124 49.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
3503.	1.532	34.673	2.86	1.265	27.764
3503.	1.532	34.673	2.87	1.265	27.764
3503.	1.532	34.673	2.86	1.265	27.765
3503.	1.532	34.672	2.86	1.265	27.764
3503.	1.532	34.672	2.86	1.265	27.764
3503.	1.532	34.673	2.87	1.265	27.764
3503.	1.532	34.672	2.86	1.265	27.764
3503.	1.532	34.673	0.00	1.265	27.765
3503.	1.532	34.673	2.86	1.265	27.764
3503.	1.532	34.673	2.88	1.265	27.765
3503.	1.532	34.673	2.86	1.265	27.764
3503.	1.532	34.673	2.88	1.265	27.765
3503.	1.532	34.673	2.88	1.265	27.765
3503.	1.532	34.671	2.87	1.265	27.763
3503.	1.532	34.673	0.00	1.265	27.765
3503.	1.532	34.673	2.88	1.265	27.764
3503.	1.532	34.673	2.88	1.265	27.764
3503.	1.532	34.673	2.88	1.265	27.764
3503.	1.532	34.673	2.88	1.265	27.764
3503.	1.532	34.673	2.89	1.265	27.765
3503.	1.532	34.673	2.87	1.265	27.765
3503.	1.532	34.673	2.86	1.265	27.764
3503.	1.532	34.673	2.88	1.265	27.764
3503.	1.532	34.673	2.87	1.265	27.764
3503.	1.532	34.673	0.00	1.265	27.765
3503.	1.532	34.672	2.88	1.265	27.764
3503.	1.532	34.673	2.86	1.265	27.764
3503.	1.532	34.673	2.89	1.265	27.765
3503.	1.532	34.672	0.00	1.265	27.764
3503.	1.532	34.673	2.87	1.265	27.764
3503.	1.532	34.672	2.87	1.265	27.764
3503.	1.532	34.673	2.87	1.265	27.764
3503.	1.532	34.673	0.00	1.265	27.764
3503.	1.532	34.661	0.00	1.265	27.755
3503.	1.532	34.615	0.00	1.265	27.718
3503.	1.532	34.672	0.00	1.265	27.764
3503.	1.532	34.673	2.90	1.265	27.764
3503.	1.532	34.673	0.00	1.265	27.764

\* Calculated from CTD values

CAST CG0-92-VI -003 LAT 41 25.7N LONG 128 52.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
2492.	1.769	34.635	2.02	1.594	27.711
2492.	1.768	34.634	2.04	1.593	27.710
2493.	1.768	34.634*	0.00	1.593*	27.710*
2494.	1.768	34.636	2.00	1.593	27.711
2494.	1.767	34.636	2.00	1.592	27.711
2495.	1.766	34.638	2.00	1.591	27.713
2512.	1.767	34.634	2.03	1.590	27.710
2496.	1.767	34.635	1.99	1.591	27.711
2497.	1.768	34.636	1.98	1.592	27.711
2497.	1.769	34.636	2.03	1.593	27.711
2498.	1.769	34.635	2.00	1.593	27.711
2498.	1.770	34.637	2.02	1.594	27.712

\* Calculated from CTD values

CAST CG1-92-VI -005 LAT 54 14.7N LONG 171 44.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	8.471	32.941*	0.00	8.470*	25.588*
6.	8.471	32.937	5.16	8.470	25.585
21.	8.464	32.940	6.89	8.462	25.588
47.	4.616	33.146	6.33	4.613	26.248
72.	3.426	33.212	5.72	3.422	26.420
96.	3.130	33.256	5.66	3.124	26.482
145.	2.517	33.293	6.58	2.509	26.564
195.	3.039	33.341	6.16	3.027	26.559
244.	3.696	33.556	3.80	3.680	26.669
298.	3.724	33.735	2.39	3.704	26.809
344.	3.711	33.834	1.78	3.688	26.890
393.	3.644	33.919	1.39	3.618	26.965
485.	3.571	34.046	0.88	3.538	27.073
593.	3.393	34.149	0.59	3.353	27.173
693.	3.263	34.212	0.50	3.217	27.236
793.	3.107	34.273	0.00	3.054	27.300
893.	2.959	34.313	0.59	2.900	27.346
995.	2.839	34.351	0.41	2.773	27.388
1095.	2.707	34.386	0.43	2.635	27.427
1181.	2.612	34.415	0.48	2.534	27.459
1291.	2.474	34.441	0.53	2.389	27.493
1394.	2.359	34.469*	0.00	2.267*	27.525*
1494.	2.251	34.505	0.74	2.152	27.563
1594.	2.155	34.523	0.82	2.050	27.586
1693.	2.066	34.543	0.93	1.954	27.609
1795.	1.980	34.558	1.04	1.861	27.629
1992.	1.877	34.587	1.23	1.743	27.661
2192.	1.785	34.602	1.43	1.636	27.681
2394.	1.730	34.618	1.61	1.564	27.699
2595.	1.676	34.629*	0.00	1.493*	27.713*
2794.	1.633	34.653	1.92	1.433	27.737
2996.	1.597	34.653	2.07	1.379	27.740
3099.	1.582	34.656	2.16	1.354	27.745
3099.	1.582	34.657	2.13	1.354	27.746
3097.	1.582	34.653*	0.00	1.354*	27.742*
3308.	1.566	34.666	2.23	1.318	27.755

CAST CG0-92-VI -004 LAT 49 59.0N LONG 144 59.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	12.771	32.362	6.29	12.770	24.396
22.	12.759	32.362	6.29	12.756	24.398
47.	8.120	32.448	7.12	8.115	25.253
71.	6.402	32.517	6.96	6.396	25.542
97.	5.739	32.777	6.34	5.731	25.829
121.	5.086	33.190	5.36	5.077	26.232
146.	4.657	33.505	4.59	4.646	26.529
172.	4.508	33.695	3.72	4.496	26.697
195.	4.330	33.756	3.18	4.316	26.764
246.	4.044	33.823	0.00	4.027	26.847
296.	4.029	33.890	1.69	4.008	26.902
344.	3.989	33.949	1.31	3.965	26.954
395.	3.956	33.997	1.15	3.928	26.996
495.	3.822	34.110*	0.77	3.787*	27.100*
594.	3.667	34.175	0.65	3.626	27.167
695.	3.447	34.236	0.54	3.399	27.238
794.	3.232	34.288	0.00	3.178	27.300
894.	3.050	34.333	0.00	2.990	27.353
994.	2.890	34.369	0.43	2.824	27.397
1194.	2.626	34.446	0.40	2.547	27.483
1395.	2.394	34.480	0.52	2.302	27.530
1591.	2.235	34.516	0.75	2.129	27.574
1793.	2.037	34.555	1.03	1.917	27.622
1992.	1.879	34.583	1.36	1.745	27.658
2196.	1.837	34.602	1.58	1.687	27.677
2392.	1.761	34.618	1.81	1.595	27.697
2594.	1.684	34.632	2.07	1.501	27.715
2796.	1.619	34.644	0.00	1.419	27.730
2996.	1.575	34.653	2.53	1.357	27.742
3245.	1.533	34.661	0.00	1.292	27.753
3498.	1.511	34.671	2.93	1.245	27.764
3747.	1.497	34.678	3.09	1.205	27.772
3997.	1.501	34.673*	0.00	1.182*	27.770*
4098.	1.505	34.674*	0.00	1.175*	27.771*
4287.	1.518	34.675*	3.23	1.167*	27.773*

\* Calculated from CTD values

CAST CG1-92-VI -006 LAT 54 14.7N LONG 161 06.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	9.877	32.378*	0.00	9.876*	24.926*
22.	4.635	32.780	0.00	4.633	25.955
48.	1.076	33.130	0.00	1.074	26.537
72.	1.220	33.159	7.32	1.217	26.551
97.	1.177	33.192	7.21	1.173	26.581
121.	1.078	33.221*	0.00	1.073*	26.610*
147.	1.079	33.191	7.25	1.073	26.587
173.	1.073	33.223	0.00	1.066	26.613
202.	1.241	33.256	6.99	1.232	26.628

CAST CG1-92-VI -007 LAT 54 13.1N LONG 161 08.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	9.587	32.357*	7.57	9.586*	24.957*
22.	4.723	32.807	7.79	4.721	25.968
46.	0.772	33.084	0.08	0.770	26.519
72.	0.686	33.139	7.37	0.683	26.568
97.	0.786	33.169	7.22	0.782	26.586
121.	0.914	33.187	7.20	0.909	26.593
147.	1.040	33.173	0.00	1.034	26.574
172.	0.983	33.213	0.00	0.976	26.610
197.	1.028	33.219	0.00	1.020	26.612
246.	1.365	33.289	6.47	1.354	26.647
296.	2.409	33.469	4.64	2.393	26.714
343.	3.176	33.633*	0.00	3.155*	26.780*
396.	3.590	33.810	1.59	3.564	26.883
472.	3.659	33.946	0.86	3.627	26.985
504.	3.636	33.995	0.66	3.602	27.027

\* Calculated from CTD values



CAST CG1-92-VI -008 LAT 54 07.7N LONG 161 09.8E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	9.440	32.265*	7.90	9.439*	24.909*
21.	4.258	32.868	7.48	4.257	26.065
46.	1.324	33.104	7.52	1.322	26.500
71.	1.217	33.148	7.39	1.214	26.543
96.	1.151	33.177	7.14	1.147	26.570
120.	1.075	33.192	7.22	1.070	26.587
145.	1.044	33.208	7.29	1.038	26.602
195.	1.214	33.232	7.22	1.205	26.611
244.	2.036	33.448	4.85	2.023	26.726
295.	3.294	33.691	2.53	3.275	26.815
344.	3.570	33.813	1.58	3.547	26.887
395.	3.665	33.898	1.04	3.638	26.945
444.	3.664	33.979	0.65	3.634	27.010
494.	3.603	34.040	0.54	3.569	27.065
594.	3.495	34.126	0.44	3.455	27.145
693.	3.351	34.199	0.38	3.304	27.217
793.	3.209	34.261	0.38	3.155	27.281
892.	3.056	34.303	0.94	2.996	27.329
994.	2.931	34.338	0.40	2.864	27.369
1095.	2.785	34.371	0.38	2.712	27.409
1242.	2.630	34.416	0.44	2.547	27.459
1394.	2.420	34.467	0.57	2.327	27.518
1544.	2.238	34.506	0.72	2.136	27.565
1695.	2.094	34.542*	0.90	1.981*	27.606*
1816.	2.004	34.557	1.07	1.883	27.626

CAST CG1-92-VI -009 LAT 54 02.6N LONG 161 22.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	9.546	32.301*	7.87	9.545*	24.920*
20.	8.997	32.783	7.55	8.995	25.384
46.	1.541	33.116	7.77	1.539	26.496
71.	1.267	33.174	7.46	1.264	26.560
96.	1.248	33.198	7.32	1.244	26.581
121.	1.149	33.217	7.39	1.144	26.603
146.	1.056	33.219	7.52	1.050	26.610
196.	2.039	33.397	5.39	2.029	26.685
245.	3.485	33.725	2.21	3.469	26.824
295.	3.585	33.833	1.44	3.566	26.901
345.	3.659	33.913	0.97	3.636	26.958
394.	3.656	33.971	0.71	3.629	27.005
444.	3.605	34.015	0.62	3.575	27.045
494.	3.534	34.069	0.54	3.501	27.095
588.	3.444	34.146	0.42	3.404	27.166
693.	3.316	34.218	0.39	3.269	27.236
793.	3.125	34.270	0.36	3.072	27.296
884.	3.022	34.314	0.39	2.963	27.341
992.	2.876	34.356	0.41	2.810	27.388
1193.	2.617	34.419	0.48	2.538	27.462
1392.	2.380	34.475	0.62	2.288	27.528
1593.	2.195	34.519	0.87	2.089	27.579
1795.	2.061	34.551	1.08	1.941	27.617
1992.	1.920	34.581	1.35	1.786	27.652
2195.	1.830	34.602	1.57	1.680	27.677
2395.	1.752	34.617	1.80	1.586	27.696
2595.	1.752	34.620*	0.00	1.586*	27.699*
2495.	1.709	34.628	2.08	1.535	27.709
2496.	1.709	34.631	2.13	1.535	27.712
2599.	1.688	34.634	2.12	1.505	27.716

\* Calculated from CTD values

CAST CG1-92-VI -011 LAT 53 29.0N LONG 162 10.4E

CAST CG1-92-VI -010 LAT 53 33.4N LONG 162 03.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	10.579	32.885	6.63	10.579	32.885	6.63	10.578	25.203
22.	10.402	32.896	6.62	10.402	32.896	6.62	10.399	25.242
47.	3.098	33.110	7.61	3.098	33.110	7.61	3.095	26.368
71.	1.842	33.201	7.24	1.842	33.201	7.24	1.839	26.542
96.	1.556	33.271	7.16	1.556	33.271	7.16	1.552	26.619
121.	1.936	33.409	5.34	1.936	33.409	5.34	1.930	26.702
147.	3.072	33.716	2.08	3.072	33.716	2.08	3.063	26.855
171.	3.602	33.814	1.32	3.602	33.814	1.32	3.591	26.884
194.	3.664	33.857	1.02	3.664	33.857	1.02	3.651	26.912
246.	3.672	33.951	0.57	3.672	33.951	0.57	3.656	26.987
295.	3.546	34.007	0.46	3.546	34.007	0.46	3.527	27.044
345.	3.500	34.063	0.46	3.500	34.063	0.46	3.477	27.092
395.	3.458	34.106	0.41	3.458	34.106	0.41	3.432	27.131
495.	3.326	34.176	0.39	3.326	34.176	0.39	3.293	27.201
595.	3.184	34.244	0.34	3.184	34.244	0.34	3.145	27.268
695.	3.043	34.290	0.33	3.043	34.290	0.33	2.997	27.319
795.	2.902	34.342	0.36	2.902	34.342	0.36	2.850	27.374
893.	2.631	34.405	0.45	2.631	34.405	0.45	2.567	27.449
994.	2.421	34.460	0.60	2.421	34.460	0.60	2.344	27.512
1193.	2.227	34.508	0.87	2.227	34.508	0.87	2.136	27.567
1393.	2.057	34.548	1.05	2.057	34.548	1.05	1.953	27.613
1593.	1.944	34.569	1.22	1.944	34.569	1.22	1.825	27.640
1794.	1.856	34.589	1.55	1.856	34.589	1.55	1.722	27.664
1994.	1.778	34.612	1.88	1.778	34.612	1.88	1.629	27.689
2194.	1.709	34.630	2.13	1.709	34.630	2.13	1.544	27.710
2394.	1.651	34.637	2.43	1.651	34.637	2.43	1.469	27.721
2595.	1.611	34.645	2.60	1.611	34.645	2.60	1.411	27.732
2794.	1.578	34.653	2.75	1.578	34.653	2.75	1.360	27.742
2995.	1.544	34.662*	0.00	1.544	34.662*	0.00	1.302*	27.753*
3246.	1.520	34.666	3.07	1.520	34.666	3.07	1.254	27.760
3497.	1.495	34.671	3.25	1.495	34.671	3.25	1.204	27.767
3745.	1.476	34.676	3.36	1.476	34.676	3.36	1.158	27.775
3996.	1.476	34.679	3.49	1.476	34.679	3.49	1.130	27.779
4249.	1.477	34.679	0.00	1.477	34.679	0.00	1.131	27.779
4448.	1.454	34.684	0.00	1.454	34.684	0.00	1.081	27.786
4499.	1.467	34.684	3.68	1.467	34.684	3.68	1.069	27.787
4703.								

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	10.377	32.870*	6.76	10.376*	32.870*	6.76	10.376*	25.226*
22.	10.003	32.886	6.83	10.001	32.886	6.83	10.001	25.302
47.	2.658	33.108	7.70	2.655	33.108	7.70	2.652	26.404
71.	1.760	33.167	7.26	1.757	33.167	7.26	1.754	26.521
96.	1.679	33.238	7.10	1.674	33.238	7.10	1.671	26.584
121.	2.296	33.389	5.50	2.290	33.389	5.50	2.284	26.659
146.	3.312	33.670	2.51	3.303	33.670	2.51	3.296	26.796
196.	3.606	33.868	0.91	3.593	33.868	0.91	3.586	26.926
245.	3.567	33.940	0.60	3.551	33.940	0.60	3.544	26.988
296.	3.575	34.007	0.53	3.555	34.007	0.53	3.548	27.041
346.	3.534	34.061	0.00	3.511	34.061	0.00	3.494	27.087
394.	3.486	34.113	0.44	3.460	34.113	0.44	3.443	27.134
444.	3.412	34.157	0.40	3.383	34.157	0.40	3.366	27.176
494.	3.331	34.189	0.39	3.298	34.189	0.39	3.281	27.211
595.	3.196	34.241	0.38	3.157	34.241	0.38	3.140	27.265
690.	3.047	34.292	0.38	3.002	34.292	0.38	2.985	27.320
794.	2.915	34.331	0.39	2.863	34.331	0.39	2.846	27.363
893.	2.789	34.366	0.42	2.731	34.366	0.42	2.714	27.403
994.	2.671	34.400	0.50	2.606	34.400	0.50	2.589	27.441
1193.	2.425	34.455	0.60	2.348	34.455	0.60	2.331	27.507
1393.	2.228	34.501	0.80	2.137	34.501	0.80	2.120	27.561
1593.	2.073	34.542	1.04	1.969	34.542	1.04	1.952	27.607
1792.	1.966	34.569	1.30	1.847	34.569	1.30	1.830	27.639
1992.	1.872	34.590	1.58	1.738	34.590	1.58	1.721	27.664
2194.	1.786	34.615	1.94	1.637	34.615	1.94	1.620	27.691
2396.	1.716	34.630	2.21	1.550	34.630	2.21	1.533	27.710
2595.	1.652	34.636	2.46	1.470	34.636	2.46	1.453	27.720
2896.	1.588	34.650	2.66	1.379	34.650	2.66	1.362	27.738
2996.	1.575	34.654*	0.00	1.357*	34.654*	0.00	1.340*	27.743*
3197.	1.548	34.668	0.00	1.311	34.668	0.00	1.294	27.758
3298.	1.539	34.661	2.91	1.292	34.661	2.91	1.275	27.753
3529.	1.490	34.670	3.17	1.221	34.670	3.17	1.204	27.765

\* Calculated from CTD values

CAST CG1-92-VI -012 LAT 53 26.5N LONG 162 22.4E									
PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)				
7.	10.499	32.855	6.55	10.498	25.194				
22.	10.190	32.862	6.57	10.188	25.252				
47.	2.158	33.083	7.55	2.156	26.424				
72.	1.549	33.195	7.01	1.546	26.558				
97.	1.656	33.235	6.95	1.651	26.583				
121.	2.376	33.496	4.20	2.369	26.738				
147.	3.425	33.744	1.78	3.416	26.845				
171.	3.607	33.835	1.11	3.596	26.899				
195.	3.674	33.893	0.81	3.661	26.940				
246.	3.662	33.957	0.55	3.646	26.992				
296.	3.602	34.017	0.47	3.582	27.046				
346.	3.556	34.066	0.44	3.533	27.090				
394.	3.495	34.104	0.44	3.469	27.127				
495.	3.313	34.183	0.40	3.280	27.207				
595.	3.195	34.247	0.39	3.156	27.270				
694.	3.048	34.289	0.37	3.003	27.317				
794.	2.924	34.326	0.37	2.872	27.359				
993.	2.649	34.397	0.44	2.585	27.440				
1194.	2.423	34.457	0.60	2.346	27.508				
1394.	2.229	34.507	0.84	2.138	27.565				
1593.	2.080	34.538	1.07	1.976	27.604				
1793.	1.962	34.575	1.40	1.843	27.644				
1994.	1.854	34.591	1.68	1.720	27.666				
2394.	1.688	34.628	2.23	1.523	27.710				
2796.	1.598	34.644	2.67	1.398	27.732				
3196.	1.537	34.658	3.00	1.300	27.750				
3597.	1.496	34.667	3.21	1.220	27.763				
3998.	1.471	34.676	3.44	1.153	27.775				
4399.	1.474	34.678	3.56	1.111	27.779				

CAST CG1-92-VI -013 LAT 53 01.2N LONG 162 53.8E									
PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)				
7.	10.743	32.876	6.61	10.742	25.168				
21.	10.109	32.872	6.62	10.107	25.273				
46.	4.333	33.124	7.43	4.330	26.260				
71.	2.050	33.218	7.05	2.046	26.541				
96.	1.683	33.265	7.05	1.678	26.606				
121.	2.394	33.426	5.00	2.387	26.680				
142.	3.353	33.701	2.20	3.344	26.817				
171.	3.600	33.849	1.10	3.589	26.911				
196.	3.646	33.895	0.82	3.633	26.944				
244.	3.626	33.989	0.56	3.610	27.021				
294.	3.606	34.036	0.49	3.586	27.060				
345.	3.529	34.086	0.48	3.506	27.108				
399.	3.465	34.129	0.43	3.439	27.149				
495.	3.328	34.132	0.41	3.295	27.165				
596.	3.193	34.251	0.39	3.154	27.273				
692.	3.068	34.301	0.44	3.023	27.325				
793.	2.905	34.337	0.39	2.853	27.369				
992.	2.640	34.410	0.44	2.576	27.451				
1193.	2.392	34.466	0.60	2.315	27.518				
1394.	2.194	34.512	0.87	2.104	27.573				
1594.	2.049	34.550	1.13	1.945	27.616				
1794.	1.933	34.592	1.40	1.815	27.660				
1994.	1.836	34.599	1.69	1.703	27.673				
2295.	1.718	34.625	2.10	1.561	27.704				
2593.	1.627	34.644	2.50	1.445	27.728				
2896.	1.558	34.660	2.82	1.350	27.748				
3297.	1.512	34.665	2.98	1.266	27.758				
3698.	1.484	34.673	3.29	1.198	27.769				
4098.	1.476	34.680	3.45	1.147	27.778				
4499.	1.484	34.684	3.57	1.110	27.784				
4900.	1.509	34.686	3.63	1.086	27.787				
5299.	1.543	34.687	3.69	1.070	27.789				
5697.	1.587	34.686*	0.00	1.062*	27.789*				
5698.	1.587	34.687	3.73	1.062	27.790				
5948.	1.617	34.692	3.77	1.057	27.794				
5948.	1.617	34.689	3.77	1.057	27.792				

\* Calculated from CTD values

CAST CG1-92-VI -014 LAT 52 31.3N LONG 163 35.2E							CAST CG1-92-VI -015 LAT 52 00.9N LONG 164 17.3E						
PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)		PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	
8.	10.377	32.925	6.53	10.376	25.269		7.	10.307	32.843	6.62	10.306	25.217	
21.	10.364	32.926	6.51	10.362	25.272		21.	10.309	32.838	6.60	10.307	25.213	
46.	4.393	33.121	7.45	4.390	26.252		46.	4.674	33.021	7.31	4.671	26.143	
72.	1.764	33.226	7.09	1.761	26.568		71.	2.735	33.078	7.25	2.731	26.374	
96.	1.650	33.267	7.09	1.645	26.609		97.	2.229	33.154	6.97	2.224	26.476	
120.	2.656	33.555	3.67	2.649	26.762		121.	2.280	33.236	6.65	2.274	26.538	
146.	3.488	33.791	1.47	3.479	26.876		148.	2.797	33.331	5.99	2.789	26.571	
170.	3.652	33.867	0.97	3.641	26.921		171.	3.438	33.541	3.74	3.427	26.681	
196.	3.675	33.907	0.78	3.662	26.950		196.	3.711	33.680	2.56	3.698	26.766	
245.	3.669	33.976	0.51	3.653	27.006		244.	3.787	33.857	1.34	3.771	26.900	
295.	3.618	34.028	0.47	3.598	27.053		295.	3.776	33.933	0.82	3.756	26.962	
344.	3.564	34.075	0.47	3.541	27.096		342.	3.741	33.984	0.62	3.718	27.006	
394.	3.494	34.117	0.45	3.468	27.137		395.	3.679	34.057	0.59	3.652	27.071	
494.	3.355	34.189	0.39	3.322	27.208		496.	3.489	34.137	0.50	3.456	27.154	
593.	3.201	34.247	0.38	3.162	27.269		594.	3.372	34.198*	0.00	3.332*	27.214*	
694.	3.058	34.297	0.39	3.012	27.323		692.	3.198	34.241	0.41	3.152	27.265	
792.	2.921	34.333	0.38	2.869	27.365		791.	3.062	33.406	4.66	3.011	26.612	
892.	2.782	34.373	0.41	2.724	27.409		894.	2.931	34.339	0.46	2.872	27.369	
993.	2.656	34.407	0.43	2.591	27.448		992.	2.791	34.370	0.46	2.726	27.407	
1196.	2.402	34.465	0.61	2.325	27.517		1193.	2.521	34.438	0.59	2.443	27.485	
1393.	2.205	34.510	0.82	2.115	27.570		1394.	2.292	34.493	0.74	2.201	27.549	
1593.	2.062	34.543	1.06	1.958	27.609		1591.	2.131	34.533	1.00	2.026	27.595	
1794.	1.936	34.573	1.29	1.818	27.644		1796.	1.988	34.567	1.27	1.869	27.635	
1992.	1.839	34.595	1.58	1.706	27.670		1993.	1.887	34.591	1.57	1.753	27.663	
2293.	1.723	34.621	2.02	1.566	27.701		2194.	1.799	34.610	1.87	1.649	27.687	
2593.	1.645	34.647	2.40	1.463	27.730		2393.	1.717	34.629	2.13	1.552	27.708	
2898.	1.577	34.653	2.72	1.368	27.741		2594.	1.658	34.637*	0.00	1.476*	27.721*	
3194.	1.531	34.661*	0.00	1.295*	27.753*		2847.	1.599	34.652	2.62	1.395	27.738	
3498.	1.499	34.670	3.15	1.233	27.764		3097.	1.550	34.662	2.83	1.323	27.752	
3796.	1.484	34.676	3.30	1.187	27.772		3347.	1.516	34.670	3.03	1.265	27.762	
4096.	1.476	34.679	3.42	1.147	27.777		3601.	1.495	34.671	3.19	1.219	27.766	
4399.	1.480	34.682	3.50	1.117	27.782		3847.	1.491	34.675	3.28	1.189	27.772	
4698.	1.495	34.684	3.58	1.097	27.785		4096.	1.494	34.678*	6.05	1.165*	27.776*	
4998.	1.514	34.686	3.66	1.079	27.788		4447.	1.503	34.680	3.45	1.134	27.779	
5252.	1.524	34.689	3.78	1.058	27.791		4697.	1.511	34.684	0.00	1.113	27.784	
5252.	1.524	34.689	0.00	1.058	27.792		5003.	1.534	34.692	3.57	1.098	27.791	

\* Calculated from CTD values

CAST CG1-92-VI -016 LAT 51 29.7N LONG 164 59.1E

CAST CG1-92-VI -017 LAT 50 59.1N LONG 164 57.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	9.848	32.841	6.62	9.847	25.292	8.	9.829	32.843	0.00	9.828	25.297
21.	9.847	32.858	6.68	9.845	25.306	8.	9.829	32.843	6.63	9.828	25.297
46.	3.272	33.098	7.31	3.269	26.343	22.	9.800	32.847	6.67	9.798	25.305
72.	2.831	33.162	7.06	2.827	26.433	47.	3.474	33.017	7.40	3.471	26.260
96.	2.506	33.262	6.67	2.501	26.540	72.	2.872	33.062	7.43	2.868	26.349
121.	2.567	33.311	6.56	2.560	26.574	97.	2.553	33.147	7.01	2.548	26.444
145.	2.649	33.339	6.37	2.641	26.590	121.	2.559	33.257	6.49	2.552	26.532
170.	3.079	33.417	5.31	3.069	26.616	146.	2.711	33.276	6.43	2.703	26.535
196.	3.774	33.574	3.53	3.761	26.675	172.	3.515	33.318	6.02	3.504	26.497
245.	3.937	33.735	2.29	3.920	26.788	196.	3.838	33.538	3.81	3.825	26.641
294.	3.884	33.830	1.69	3.864	26.870	245.	3.955	33.775	1.94	3.938	26.818
344.	3.814	33.907	1.21	3.791	26.938	294.	3.878	33.866	1.25	3.858	26.899
393.	3.763	33.964	0.89	3.736	26.988	345.	3.805	33.777	0.79	3.782	26.835
493.	3.672	34.058	0.63	3.638	27.073	395.	3.744	34.001	0.61	3.717	27.020
595.	3.544	34.138	0.52	3.503	27.150	495.	3.613	34.086	0.54	3.579	27.101
694.	3.398	34.191*	0.00	3.351*	27.207*	595.	3.471	34.170	0.48	3.431	27.183
795.	3.255	34.254	0.45	3.201	27.271	694.	3.302	34.224	0.00	3.255	27.242
893.	3.095	34.304	0.46	3.035	27.326	794.	3.166	34.276	0.43	3.113	27.297
994.	2.962	34.345	0.46	2.895	27.371	894.	3.028	34.318	0.42	2.968	27.344
1193.	2.702	34.412	0.53	2.622	27.449	993.	2.869	34.357	0.39	2.803	27.390
1392.	2.457	34.471	0.67	2.364	27.519	1093.	2.736	34.406	0.46	2.663	27.441
1591.	2.238	34.517	0.89	2.132	27.574	1193.	2.622	34.425	0.52	2.543	27.467
1792.	2.059	34.553	1.16	1.939	27.619	1395.	2.385	34.479	0.70	2.293	27.531
1993.	1.931	34.581	1.44	1.796	27.652	1594.	2.187	34.524	0.93	2.081	27.584
2193.	1.831	34.600	1.69	1.681	27.676	1792.	2.045	34.555	1.19	1.925	27.621
2394.	1.745	34.617	1.97	1.579	27.697	2093.	1.861	34.591	1.59	1.719	27.666
2594.	1.682	34.631	2.21	1.499	27.714	2395.	1.737	34.618	2.03	1.571	27.699
2794.	1.634	34.646	2.45	1.434	27.731	2696.	1.643	34.640	2.43	1.452	27.725
2994.	1.590	34.652	2.68	1.372	27.740	2995.	1.577	34.654	2.43	1.359	27.742
3247.	1.546	34.661	2.91	1.304	27.752	3298.	1.529	34.662	2.96	1.283	27.754
3495.	1.518	34.668	3.09	1.252	27.761	3597.	1.497	34.670	3.17	1.221	27.765
3746.	1.504	34.673	3.21	1.212	27.768	3898.	1.487	34.676	3.31	1.179	27.773
3997.	1.492	34.677*	0.00	1.174*	27.774*	4200.	1.487	34.680*	0.00	1.146*	27.779*
4298.	1.494	34.681	3.43	1.142	27.780	4199.	1.487	34.678	3.41	1.147	27.777
4599.	1.506	34.682	3.51	1.119	27.782	4499.	1.494	34.682	3.51	1.119	27.782
4857.	1.519	34.685	3.55	1.101	27.785	4780.	1.509	34.683	3.54	1.101	27.784

\* Calculated from CTD values

CAST CG1-92-VI -019 LAT 49 59.1N LONG 165 00.1E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	9.876	32.874	6.65	9.875	25.313
7.	9.876	32.875	6.65	9.875	25.314
21.	9.871	32.882	6.75	9.869	25.321
46.	5.119	33.011	0.07	5.116	26.086
71.	3.352	33.120	7.37	3.348	26.354
96.	2.302	33.203	7.03	2.297	26.510
121.	2.238	33.347	5.83	2.232	26.630
146.	2.578	33.637	2.87	2.570	26.834
170.	3.001	33.778	1.72	2.991	26.910
195.	3.304	33.835	1.35	3.292	26.929
245.	3.404	33.923	0.90	3.388	26.990
294.	3.477	33.999	0.62	3.458	27.044
344.	3.479	34.058	0.52	3.446	27.092
394.	3.495	34.117	0.46	3.469	27.136
495.	3.366	34.185	0.39	3.333	27.204
594.	3.207	34.258	0.38	3.168	27.278
694.	3.057	34.306	0.40	3.011	27.330
795.	2.910	34.349	0.44	2.858	27.378
893.	2.787	34.381	0.44	2.729	27.415
992.	2.655	34.415	0.53	2.591	27.454
1193.	2.390	34.476	0.66	2.313	27.527
1393.	2.190	34.523	0.91	2.100	27.582
1593.	2.025	34.132	2.47	1.922	27.282
1794.	1.902	34.583	1.45	1.784	27.655
1994.	1.800	34.604	1.74	1.667	27.680
2293.	1.684	34.629	0.02	1.528	27.710
2595.	1.601	34.645	2.52	1.420	27.731
2895.	1.541	34.657	2.80	1.333	27.747
3197.	1.499	34.665	3.04	1.263	27.758
3496.	1.478	34.672	3.21	1.213	27.767
3796.	1.467	34.677	3.34	1.171	27.774
4098.	1.469	34.679	3.42	1.140	27.778
4399.	1.479	34.682	3.50	1.116	27.782
4699.	1.496	34.684	3.56	1.098	27.785
4999.	1.519	34.686*	3.67	1.084*	27.787*
5581.	1.581	34.687	3.66	1.071	27.789

CAST CG1-92-VI -018 LAT 50 30.8N LONG 164 57.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	10.074	32.763	6.59	10.073	25.193
22.	10.075	32.766	6.58	10.073	25.197
47.	4.616	32.939	7.23	4.613	26.084
72.	3.400	33.046	6.94	3.396	26.290
96.	2.993	33.198	6.01	2.987	26.448
121.	3.464	33.526	3.62	3.456	26.667
145.	3.862	33.690	2.44	3.852	26.759
170.	3.697	33.796	1.64	3.686	26.860
197.	3.832	33.856	1.29	3.819	26.894
244.	3.842	33.929	0.95	3.825	26.952
295.	3.773	33.998	0.65	3.753	27.014
344.	3.623	34.040	0.56	3.600	27.063
394.	3.620	34.106	0.46	3.593	27.116
494.	3.424	34.161	0.44	3.391	27.179
594.	3.271	34.227	0.44	3.232	27.247
694.	3.125	34.270	0.42	3.079	27.295
793.	2.976	34.317	0.42	2.924	27.346
892.	2.818	34.358	0.46	2.760	27.394
992.	2.702	34.394	0.52	2.637	27.433
1192.	2.444	34.455	0.60	2.367	27.506
1392.	2.229	34.506	0.80	2.139	27.565
1692.	1.995	34.558	1.21	1.884	27.627
1993.	1.835	34.596	1.62	1.702	27.671
2293.	1.711	34.622	2.05	1.554	27.703
2594.	1.631	34.644	2.41	1.449	27.728
2895.	1.568	34.656	2.73	1.360	27.744
3096.	1.536	34.660	2.90	1.309	27.751
3397.	1.496	34.670	3.11	1.240	27.764
3696.	1.482	34.674*	0.00	1.196*	27.770*
3998.	1.480	34.679	3.35	1.162	27.776
4299.	1.487	34.680	0.00	1.135	27.779
4599.	1.487	34.681	3.44	1.135	27.780
4899.	1.500	34.683	3.51	1.113	27.783
5299.	1.518	34.686	3.57	1.095	27.787
5670.	1.552	34.691	3.67	1.079	27.792
	1.593	34.688	3.66	1.071	27.790

\* Calculated from CTD values

CAST CG1-92-VI -020 LAT 49 30.1N LONG 165 00.7E										CAST CG1-92-VI -021 LAT 48 59.6N LONG 164 58.2E									
PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)		
7.	10.073	32.831*	0.00	10.072*	25.247*	7.	10.369	32.876*	6.58	10.368*	25.232*								
7.	10.073	32.836	6.64	10.072	25.251	21.	9.900	32.888	6.64	9.898	25.320								
21.	10.052	32.857	6.77	10.050	25.271	46.	4.296	33.074	7.32	4.293	26.224								
46.	5.445	33.105	7.51	5.441	26.123	72.	2.587	33.157	7.36	2.583	26.450								
72.	2.767	33.161	7.14	2.763	26.437	97.	2.122	33.221	7.03	2.117	26.537								
97.	2.287	33.273	6.39	2.282	26.567	146.	3.635	33.791	1.54	3.626	26.862								
121.	2.567	33.518	4.08	2.560	26.739	195.	3.613	33.905	0.77	3.600	26.955								
147.	3.343	33.771	1.73	3.334	26.873	195.	3.613	33.917*	0.00	3.600*	26.965*								
171.	3.601	33.829	1.34	3.590	26.895	245.	3.666	33.999	0.48	3.650	27.025								
195.	3.549	33.886	0.92	3.536	26.946	295.	3.597	34.051	0.47	3.577	27.073								
245.	3.700	33.981	0.55	3.684	27.007	344.	3.524	34.102	0.43	3.501	27.122								
295.	3.619	34.042	0.48	3.599	27.065	395.	3.434	34.142	0.44	3.408	27.162								
345.	3.452	34.095	0.50	3.429	27.123	494.	3.167	34.197	0.48	3.135	27.232								
395.	3.443	34.137	0.46	3.417	27.157	595.	3.053	34.265	0.46	3.014	27.297								
493.	3.337	34.212	0.38	3.304	27.228	694.	2.941	34.320	0.47	2.896	27.352								
594.	3.162	34.259	0.40	3.123	27.282	794.	2.795	34.355	0.50	2.744	27.393								
694.	3.001	34.307	0.42	2.956	27.336	893.	2.667	34.392	0.54	2.610	27.434								
795.	2.863	34.351	0.42	2.811	27.384	993.	2.540	34.424	0.64	2.476	27.471								
893.	2.732	34.386	0.49	2.674	27.424	1194.	2.344	34.481	0.79	2.267	27.535								
992.	2.585	34.418	0.51	2.521	27.463	1394.	2.180	34.522	0.97	2.090	27.582								
1194.	2.367	34.480	0.68	2.290	27.532	1593.	2.040	34.563	1.20	1.936	27.627								
1393.	2.173	34.526	0.96	2.083	27.585	1793.	1.918	34.583	1.47	1.800	27.653								
1694.	1.966	34.575	1.39	1.855	27.642	1994.	1.807	34.611	1.77	1.674	27.685								
1989.	1.809	34.607	1.79	1.676	27.682	2294.	1.689	34.630	2.18	1.533	27.711								
2293.	1.698	34.630	2.23	1.542	27.710	2595.	1.605	34.646	2.51	1.424	27.732								
2895.	1.618	34.645	2.52	1.436	27.730	2896.	1.550	34.664	2.80	1.342	27.752								
2895.	1.551	34.658	2.83	1.343	27.747	3196.	1.509	34.666	3.02	1.273	27.758								
3097.	1.522	34.663	2.98	1.295	27.755	3497.	1.480	34.673	3.19	1.215	27.768								
3397.	1.483	34.672	3.18	1.228	27.766	3798.	1.473	34.678	3.32	1.177	27.768								
3696.	1.475	34.676	3.31	1.189	27.772	4097.	1.471	34.679	3.43	1.142	27.778								
3999.	1.472	34.679	3.41	1.154	27.777	4399.	1.481	34.685	3.51	1.118	27.784								
4300.	1.479	34.684	3.49	1.127	27.783	4699.	1.493	34.690	3.58	1.095	27.790								
4599.	1.493	34.685	3.55	1.107	27.785	5000.	1.518	34.689	3.61	1.083	27.790								
4891.	1.513	34.685	3.59	1.091	27.786	5299.	1.550	34.690	3.65	1.077	27.791								
5200.	1.541	34.686	3.68	1.081	27.787	5668.	1.597	34.689	3.64	1.075	27.791								
5618.	1.591	34.689	3.65	1.076	27.790														

\* Calculated from CTD values

CAST CG1-92-VI -023 LAT 47 59.4N LONG 165 00.1E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	10.908	32.885	6.63	10.907	25.146
21.	9.923	32.909	6.74	9.921	25.333
46.	4.335	33.061	7.66	4.332	26.210
71.	2.229	33.071	7.55	2.225	26.409
95.	1.873	33.103	7.51	1.868	26.462
120.	1.613	33.174	7.15	1.607	26.538
147.	2.205	33.535	3.76	2.197	26.783
171.	3.075	33.714	2.20	3.065	26.853
203.	3.237	33.813	1.46	3.224	26.918
246.	3.365	33.892	1.06	3.349	26.968
296.	3.451	33.956	0.87	3.432	27.012
345.	3.324	34.043	0.59	3.302	27.093
394.	3.478	34.092	0.60	3.452	27.118
494.	3.214	34.165	0.82	3.182	27.202
594.	3.092	34.233	0.54	3.053	27.268
694.	2.980	34.303	0.43	2.935	27.334
793.	2.887	34.341	0.50	2.835	27.374
894.	2.748	34.381	0.49	2.690	27.419
993.	2.597	34.412	0.54	2.533	27.457
1193.	2.359	34.469	0.73	2.282	27.524
1493.	2.094	34.532	1.04	1.997	27.597
1793.	1.919	34.578	1.46	1.801	27.649
2094.	1.768	34.609	1.86	1.627	27.687
2394.	1.667	34.634	2.31	1.502	27.716
2694.	1.589	34.652	2.61	1.399	27.738
2992.	1.534	34.661	2.89	1.317	27.751
3295.	1.497	34.669	3.10	1.252	27.762
3598.	1.475	34.674	3.24	1.199	27.769
3896.	1.466	34.679	3.20	1.159	27.777
4197.	1.468	34.681	0.00	1.128	27.780
4497.	1.481	34.684	3.54	1.107	27.784
4799.	1.501	34.686	3.58	1.091	27.787
5099.	1.528	34.689	3.67	1.081	27.790
5397.	1.561	34.683	3.62	1.075	27.786
5698.	1.600	34.689	3.65	1.074	27.790
5949.	1.634	34.686	1.59	1.074	27.788

CAST CG1-92-VI -022 LAT 48 29.9N LONG 165 01.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	10.683	32.853	6.56	10.682	25.160
21.	10.079	32.873	6.64	10.077	25.279
46.	3.266	33.055	7.59	3.263	26.309
66.	2.042	33.069	7.55	2.039	26.422
96.	1.629	33.121	7.32	1.624	26.494
120.	1.666	33.307	6.08	1.660	26.640
144.	2.519	33.573	3.37	2.511	26.788
195.	3.408	33.801	1.42	3.396	26.892
244.	3.540	33.934*	0.68	3.524*	26.986*
295.	3.279	33.987	0.71	3.260	27.053
345.	3.461	34.077	0.46	3.438	27.108
395.	3.381	34.125	0.47	3.355	27.154
495.	3.332	34.205	0.41	3.299	27.223
595.	3.145	34.257	0.39	3.106	27.282
694.	2.984	34.311	0.39	2.939	27.340
794.	2.853	34.354	0.43	2.801	27.387
893.	2.709	34.385	0.45	2.651	27.425
992.	2.581	34.416	0.50	2.517	27.462
1192.	2.355	34.478	0.71	2.278	27.531
1493.	2.093	34.539	1.07	1.996	27.602
1794.	1.918	34.585	1.50	1.800	27.655
2093.	1.782	34.613	1.91	1.641	27.690
2394.	1.673	34.635	2.29	1.508	27.717
2695.	1.584	34.652	2.66	1.394	27.738
2996.	1.528	34.662	2.90	1.311	27.752
3297.	1.495	34.668	3.09	1.249	27.762
3598.	1.472	34.674	3.25	1.197	27.770
3898.	1.467	34.679	3.35	1.160	27.776
4200.	1.472	34.682	3.44	1.132	27.781
4499.	1.485	34.683	3.51	1.111	27.783
4799.	1.505	34.687	3.56	1.095	27.787
5099.	1.531	34.688	3.59	1.084	27.789
5399.	1.562	34.681	0.04	1.076	27.784
5698.	1.601	34.691	3.62	1.075	27.792
5949.	1.635	34.688	3.63	1.075	27.790

\* Calculated from CTD values



CAST CG1-92-VI -024 LAT 47 30.1N LONG 165 00.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	11.124	32.893	0.00	11.123	25.114
7.	11.124	32.895	6.59	11.123	25.115
21.	9.993	32.915	6.83	9.991	25.326
45.	4.730	33.062	7.61	4.727	26.169
72.	2.685	33.091	7.49	2.681	26.389
97.	2.080	33.133	7.36	2.075	26.470
122.	1.511	33.310	6.01	1.505	26.654
146.	2.143	33.598	3.37	2.135	26.838
196.	2.834	33.765*	2.09	2.822*	26.915*
246.	3.083	33.868	1.35	3.068	26.976
296.	3.173	33.954	1.07	3.154	27.036
345.	3.240	34.032	0.76	3.218	27.093
396.	3.259	34.109	0.52	3.233	27.152
495.	3.173	34.177	0.52	3.141	27.215
595.	3.061	34.234	0.62	3.022	27.272
695.	2.962	34.294	0.47	2.917	27.329
795.	2.852	34.340	0.55	2.800	27.376
894.	2.717	34.382	0.59	2.659	27.422
994.	2.605	34.413	0.63	2.541	27.457
1294.	2.284	34.496	0.90	2.200	27.552
1596.	2.066	34.549	1.25	1.962	27.614
1893.	1.889	34.591	1.64	1.763	27.662
2194.	1.760	34.618	2.01	1.611	27.696
2495.	1.660	34.640	2.44	1.487	27.722
2796.	1.582	34.663	2.71	1.383	27.748
3193.	1.516	34.667	3.06	1.280	27.758
3597.	1.480	34.674	3.27	1.204	27.770
3998.	1.470	34.680	3.43	1.152	27.778
4399.	1.478	34.683	3.53	1.115	27.783
4798.	1.500	34.687	3.58	1.090	27.788
5099.	1.527	34.687	3.63	1.080	27.789
5387.	1.559	34.687	3.64	1.075	27.789
5698.	1.600	34.688	3.64	1.074	27.789
5698.	1.600	34.689	3.62	1.074	27.791
5947.	1.633	34.691	0.00	1.073	27.792

CAST CG1-92-VI -025 LAT 46 59.8N LONG 164 59.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	11.498	32.993	6.47	11.497	25.124
21.	11.283	33.030	6.65	11.280	25.192
46.	4.361	33.056	7.78	4.358	26.203
71.	2.670	33.074	7.55	2.666	26.376
96.	2.074	33.106	7.38	2.069	26.449
121.	1.579	33.161	6.96	1.573	26.529
146.	2.122	33.312	5.72	2.114	26.611
171.	2.719	33.593	3.18	2.709	26.787
195.	2.919	33.728	2.06	2.907	26.878
245.	3.149	33.831	1.35	3.134	26.940
295.	3.228	33.928	1.06	3.209	27.010
345.	3.284	34.005	0.60	3.262	27.066
395.	3.252	34.069	0.47	3.227	27.121
496.	3.192	34.158	0.41	3.160	27.198
594.	3.082	34.223	0.35	3.043	27.261
693.	3.003	34.283	0.48	2.958	27.316
793.	2.876	34.334	0.48	2.824	27.369
893.	2.747	34.376	0.51	2.689	27.415
994.	2.613	34.404*	0.00	2.549*	27.449*
1198.	2.396	34.475	0.83	2.318	27.525
1492.	2.141	34.531	1.15	2.044	27.592
1793.	1.956	34.577	1.42	1.837	27.646
2094.	1.809	34.609	1.84	1.668	27.684
2394.	1.689	34.632	2.24	1.524	27.714
2695.	1.612	34.650	2.58	1.421	27.735
2993.	1.556	34.660	2.82	1.339	27.749
3271.	1.517	34.668	3.05	1.273	27.760
3600.	1.486	34.674	3.21	1.210	27.769
3903.	1.475	34.679	3.35	1.167	27.776
4198.	1.475	34.682	3.44	1.135	27.780
4498.	1.487	34.683	3.51	1.113	27.783
4799.	1.504	34.686	3.56	1.094	27.787
5097.	1.529	34.687	3.60	1.082	27.788
5398.	1.561	34.688	0.04	1.075	27.789
5696.	1.600	34.688	3.61	1.074	27.790
5949.	1.634	34.689	3.64	1.074	27.791

\* Calculated from CTD values

CAST CG1-92-VI -026 LAT 46 30.0N LONG 165 01.1E										CAST CG1-92-VI -027 LAT 46 00.2N LONG 165 00.0E									
PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)		
7.	12.736	32.869*	0.00	12.735*	24.795*	987.	2.760	34.396*	0.82	2.695*	27.431*	1192.	2.487	34.446*	0.00	2.409*	27.495*		
7.	12.736	32.898	6.40	12.735	24.817	1192.	2.487	34.446*	0.00	2.409*	27.495*	1494.	2.232	34.518	1.15	2.134	27.575		
21.	11.085	32.956	6.58	11.082	25.170	1792.	2.018	34.568	1.44	1.899	27.633	2094.	1.861	34.603	1.79	1.719	27.676		
46.	3.386	33.390	7.42	3.383	26.565	2393.	1.739	34.628	2.17	1.573	27.706	2695.	1.632	34.646	2.57	1.441	27.731		
71.	2.452	33.413	7.10	2.448	26.665	2999.	1.571	34.660	2.85	1.353	27.748	3295.	1.523	34.667*	0.00	1.277*	27.759*		
97.	1.867	33.447	6.87	1.862	26.738	3598.	1.491	34.681	3.25	1.215	27.774	3897.	1.477	34.679	3.38	1.170	27.776		
120.	2.091	33.259*	6.64	2.085*	26.570*	4198.	1.475	34.685	3.62	1.135	27.783	4600.	1.488	34.686	3.49	1.102	27.787		
146.	2.385	33.401*	5.84	2.377*	26.661*	4999.	1.518	34.688	3.75	1.083	27.789	5398.	1.561	34.698	3.68	1.075	27.798		
170.	2.702	33.545*	4.48	2.692*	26.750*	5697.	1.600	34.695	3.65	1.074	27.795	5697.	1.600	34.695	3.69	1.074	27.795		
196.	3.120	33.678*	3.83	3.108*	26.820*	5902.	1.627	34.697	3.65	1.073	27.797								
245.	3.284	33.788*	3.89	3.269*	26.893*														
295.	3.125	33.845*	2.31	3.107*	26.953*														
344.	3.118	33.932	1.86	3.096	27.024														
395.	3.277	33.984	1.34	3.252	27.051														
495.	3.297	34.118*	0.00	3.265*	27.156*														
591.	3.179	34.230	1.00	3.140	27.258														
694.	3.059	34.266	0.81	3.014	27.298														
794.	2.904	34.301	0.73	2.852	27.341														
894.	2.831	34.366*	0.00	2.772*	27.399*														
994.	2.663	34.397	0.84	2.598	27.439														
1295.	2.329	34.481	0.96	2.245	27.536														
1592.	2.121	34.539	1.17	2.016	27.601														
1893.	1.920	34.579	1.45	1.794	27.651														
2194.	1.773	34.614*	0.00	1.624*	27.691*														
2494.	1.667	34.637	2.35	1.493	27.720														
2795.	1.591	34.660	2.69	1.392	27.745														
3199.	1.520	34.666*	0.00	1.284*	27.757*														
3596.	1.481	34.678	3.24	1.205	27.773														
3998.	1.471	34.683	3.40	1.153	27.780														
4397.	1.481	34.684	3.50	1.118	27.783														
4802.	1.504	34.686	3.58	1.093	27.786														
5097.	1.529	34.689	3.62	1.082	27.790														
5398.	1.561	34.690	3.62	1.075	27.791														
5697.	1.600	34.690	3.63	1.074	27.792														
5697.	1.600	34.685	3.64	1.074	27.788														
5947.	1.632	34.690	0.00	1.072	27.792														

\* Calculated from CTD values

CAST CG1-92-VI -028 LAT 45 29.8N LONG 164 58.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
9.	13.539	33.202*	7.41	13.538*	24.894*
48.	5.956	33.423	7.05	5.952	26.312
99.	4.498	33.424	7.05	4.491	26.481
198.	4.449	33.641	5.36	4.435	26.660
399.	3.664	33.928	2.28	3.637	26.969
796.	3.061	34.290	0.94	3.008	27.317
1197.	2.523	34.439	1.00	2.444	27.486
1595.	2.176	34.526	1.07	2.070	27.587
2596.	1.672	34.642	2.40	1.489	27.724
3597.	1.501	34.673	3.20	1.225	27.767
4602.	1.495	34.686	3.58	1.108	27.786
5001.	1.522	34.689	3.62	1.087	27.790

\* Calculated from CTD values

CAST CG1-92-VI -029 LAT 44 59.4N LONG 164 58.8E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	13.477	33.208	6.27	13.476	24.911
16.	13.479	33.214	6.36	13.477	24.915
46.	5.655	33.416	7.36	5.651	26.344
70.	4.672	33.504	6.99	4.667	26.526
95.	4.490	33.523	6.94	4.483	26.562
120.	4.518	33.597	6.76	4.509	26.617
145.	4.954	33.643	6.51	4.943	26.606
170.	5.204	33.663	0.00	5.191	26.594
244.	3.990	33.747*	3.91	3.973*	26.792*
295.	3.862	33.807	3.25	3.842	26.853
345.	3.744	33.873	2.67	3.721	26.917
394.	3.821	33.938	2.18	3.794	26.962
494.	3.595	34.042	1.48	3.561	27.068
594.	3.492	34.136	1.14	3.452	27.153
693.	3.287	34.218	0.90	3.240	27.239
793.	3.120	34.275	0.84	3.067	27.300
894.	2.958	34.327	0.80	2.899	27.357
994.	2.793	34.362	0.17	2.727	27.400
1191.	2.523	34.424	0.81	2.445	27.474
1491.	2.244	34.507	0.69	2.146	27.565
1794.	2.056	34.561	0.97	1.936	27.625
2090.	1.888	34.598	1.38	1.746	27.669
2394.	1.741	34.627	1.72	1.575	27.705
2698.	1.639	34.645	2.19	1.448	27.729
2996.	1.574	34.657	2.51	1.356	27.745
3297.	1.527	34.667	2.82	1.281	27.759
3597.	1.499	34.672	3.07	1.223	27.766
3900.	1.485	34.677	3.20	1.177	27.774
4200.	1.481	34.681	3.34	1.141	27.780
4594.	1.492	34.684	3.46	1.106	27.785
5000.	1.520	34.688	3.73	1.085	27.789
5398.	1.561	34.688	3.60	1.075	27.790
5592.	1.585	34.691	3.70	1.073	27.792
5949.	1.631	34.690	3.64	1.071	27.791

CAST CG1-92-VI -031 LAT 44 00.2N LONG 164 57.8E											
PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	14.322	32.899	6.31	14.322	24.517	6.	14.322	32.899	6.31	14.321	24.498
21.	8.353	33.134	6.98	8.353	25.096	21.	8.353	33.134	6.98	8.351	25.757
46.	5.488	33.300	7.29	5.488	26.196	46.	5.488	33.300	7.29	5.484	26.272
70.	4.513	33.345	7.13	4.513	26.388	70.	4.513	33.345	7.13	4.508	26.418
96.	3.804	33.351	7.06	3.804	26.472	96.	3.804	33.351	7.06	3.798	26.495
120.	4.175	33.355	7.01	4.175	26.530	120.	4.175	33.355	7.01	4.167	26.461
146.	4.335	33.458	6.80	4.335	26.605	146.	4.335	33.458	6.80	4.325	26.526
169.	4.355	33.549	6.45	4.355	26.728*	169.	4.355	33.549	6.45	4.343	26.597
196.	4.145	33.668*	4.85	4.145	26.799*	196.	4.145	33.668*	4.85	4.131*	26.713*
246.	3.821	33.764	3.55	3.821	26.896	246.	3.821	33.764	3.55	3.804	26.822
294.	3.748	33.826	2.94	3.748	26.952	294.	3.748	33.826	2.94	3.728	26.880
344.	3.714	33.908	2.29	3.714	27.001	344.	3.714	33.908	2.29	3.691	26.949
394.	3.712	33.975	1.87	3.712	27.092	394.	3.712	33.975	1.87	3.685	27.002
494.	3.621	34.098	1.25	3.621	27.182	494.	3.621	34.098	1.25	3.587	27.110
590.	3.487	34.170	0.99	3.487	27.251	590.	3.487	34.170	0.99	3.447	27.181
694.	3.290	34.240	0.82	3.290	27.316	694.	3.290	34.240	0.82	3.243	27.256
794.	3.115	34.299	0.76	3.115	27.372	794.	3.115	34.299	0.76	3.062	27.320
893.	2.956	34.348	0.76	2.956	27.414	893.	2.956	34.348	0.76	2.897	27.374
993.	2.796	34.388	0.78	2.796	27.486	993.	2.796	34.388	0.78	2.730	27.421
1192.	2.518	34.447	0.81	2.518	27.562	1192.	2.518	34.447	0.81	2.440	27.493
1393.	2.324	34.496	0.94	2.324	27.625	1393.	2.324	34.496	0.94	2.232	27.549
1693.	2.114	34.550	1.24	2.114	27.671	1693.	2.114	34.550	1.24	2.001	27.611
1993.	1.935	34.593	1.64	1.935	27.703	1993.	1.935	34.593	1.64	1.800	27.661
2293.	1.787	34.623	2.04	1.787	27.729	2293.	1.787	34.623	2.04	1.629	27.698
2594.	1.661	34.642	2.43	1.661	27.744	2594.	1.661	34.642	2.43	1.479	27.724
2895.	1.583	34.654	2.73	1.583	27.758	2895.	1.583	34.654	2.73	1.374	27.742
3095.	1.542	34.664	2.92	1.542	27.768	3095.	1.542	34.664	2.92	1.315	27.754
3396.	1.503	34.669	3.12	1.503	27.774	3396.	1.503	34.669	3.12	1.247	27.763
3697.	1.480	34.676	3.28	1.480	27.781	3697.	1.480	34.676	3.28	1.194	27.772
3998.	1.473	34.680	3.40	1.473	27.784	3998.	1.473	34.680	3.40	1.155	27.777
4398.	1.479	34.685	3.53	1.479	27.787	4398.	1.479	34.685	3.53	1.116	27.785
4798.	1.498	34.686	3.66	1.498	27.789	4798.	1.498	34.686	3.66	1.088	27.787
5198.	1.535	34.688	3.64	1.535	27.790	5198.	1.535	34.688	3.64	1.075	27.790
5497.	1.569	34.689	3.65	1.569	27.790	5497.	1.569	34.689	3.65	1.070	27.791
5803.	1.603	34.689	3.69	1.603	27.790	5803.	1.603	34.689	3.69	1.063	27.791

CAST CG1-92-VI -030 LAT 44 29.7N LONG 165 00.6E											
PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
8.	14.226	32.898	6.32	14.225	24.517	8.	14.226	32.898	6.32	14.225	24.517
19.	11.737	33.013	6.86	11.735	25.096	19.	11.737	33.013	6.86	11.735	25.096
50.	5.477	33.202	7.46	5.473	26.196	50.	5.477	33.202	7.46	5.473	26.196
69.	4.528	33.310	7.23	4.523	26.388	69.	4.528	33.310	7.23	4.523	26.388
97.	3.988	33.345	7.07	3.982	26.472	97.	3.988	33.345	7.07	3.982	26.472
120.	3.888	33.406	6.85	3.880	26.530	120.	3.888	33.406	6.85	3.880	26.530
147.	4.063	33.522	5.99	4.053	26.605	147.	4.063	33.522	5.99	4.053	26.605
200.	4.078	33.678*	0.00	4.064*	26.728*	200.	4.078	33.678*	0.00	4.064*	26.728*
245.	3.892	33.743*	0.00	3.875*	26.799*	245.	3.892	33.743*	0.00	3.875*	26.799*
294.	3.574	33.825	2.83	3.555	26.896	294.	3.574	33.825	2.83	3.555	26.896
345.	3.586	33.896	2.26	3.563	26.952	345.	3.586	33.896	2.26	3.563	26.952
394.	3.615	33.961	1.88	3.589	27.001	394.	3.615	33.961	1.88	3.589	27.001
497.	3.671	34.082	1.39	3.637	27.092	497.	3.671	34.082	1.39	3.637	27.092
596.	3.519	34.175	1.01	3.478	27.182	596.	3.519	34.175	1.01	3.478	27.182
694.	3.340	34.240	0.90	3.293	27.251	694.	3.340	34.240	0.90	3.293	27.251
794.	3.144	34.298	0.83	3.091	27.316	794.	3.144	34.298	0.83	3.091	27.316
894.	2.951	34.345	0.89	2.892	27.372	894.	2.951	34.345	0.89	2.892	27.372
994.	2.793	34.379	0.83	2.727	27.414	994.	2.793	34.379	0.83	2.727	27.414
1192.	2.538	34.441	0.85	2.460	27.486	1192.	2.538	34.441	0.85	2.460	27.486
1493.	2.246	34.504	1.09	2.148	27.562	1493.	2.246	34.504	1.09	2.148	27.562
1795.	2.053	34.561	1.37	1.933	27.625	1795.	2.053	34.561	1.37	1.933	27.625
2095.	1.882	34.600	1.79	1.739	27.671	2095.	1.882	34.600	1.79	1.739	27.671
2392.	1.751	34.625	2.20	1.585	27.703	2392.	1.751	34.625	2.20	1.585	27.703
2692.	1.651	34.646	2.53	1.460	27.729	2692.	1.651	34.646	2.53	1.460	27.729
2994.	1.585	34.657	2.85	1.367	27.744	2994.	1.585	34.657	2.85	1.367	27.744
3295.	1.534	34.667	3.07	1.288	27.758	3295.	1.534	34.667	3.07	1.288	27.758
3597.	1.501	34.674	3.24	1.225	27.768	3597.	1.501	34.674	3.24	1.225	27.768
3897.	1.483	34.677	3.38	1.176	27.774	3897.	1.483	34.677	3.38	1.176	27.774
4200.	1.479	34.682	3.51	1.139	27.781	4200.	1.479	34.682	3.51	1.139	27.781
4497.	1.486	34.684	3.59	1.112	27.784	4497.	1.486	34.684	3.59	1.112	27.784
4799.	1.503	34.686	3.63	1.093	27.787	4799.	1.503	34.686	3.63	1.093	27.787
5099.	1.528	34.687	3.66	1.081	27.789	5099.	1.528	34.687	3.66	1.081	27.789
5399.	1.561	34.689	3.69	1.075	27.790	5399.	1.561	34.689	3.69	1.075	27.790
5697.	1.600	34.689	3.69	1.074	27.790	5697.	1.600	34.689	3.69	1.074	27.790
5947.	1.633	34.689	3.70	1.073	27.790	5947.	1.633	34.689	3.70	1.073	27.790

\* Calculated from CTD values

CAST CG1-92-VI -032 LAT 43 30.2N LONG 165 01.1E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	15.312	32.743	0.00	15.311	24.166
6.	15.312	32.751	6.14	15.311	24.172
21.	10.550	32.843	6.46	10.548	25.176
46.	6.224	33.210	7.21	6.220	26.111
71.	4.735	33.264	7.15	4.730	26.329
96.	4.012	33.307	6.89	4.006	26.439
121.	3.924	33.386	6.57	3.916	26.511
146.	4.012	33.518	5.65	4.002	26.607
169.	3.943	33.627*	4.55	3.932*	26.701*
195.	3.755	33.695	3.83	3.742	26.774
245.	3.530	33.772	0.03	3.514	26.857
295.	3.560	33.848	2.50	3.541	26.916
345.	3.537	33.923	2.07	3.514	26.977
395.	3.641	33.983	1.72	3.614	27.016
493.	3.498	34.090	1.18	3.465	27.115
590.	3.424	34.195	0.92	3.384	27.207
694.	3.305	34.263	0.88	3.258	27.273
794.	3.122	34.311	0.76	3.069	27.329
892.	2.934	34.350	0.76	2.875	27.378
993.	2.746	34.392	0.75	2.681	27.428
1192.	2.502	34.448	0.82	2.424	27.495
1393.	2.313	34.500	1.03	2.222	27.554
1691.	2.098	34.551	1.27	1.986	27.613
1992.	1.905	34.592	1.66	1.771	27.663
2295.	1.763	34.624	2.08	1.605	27.701
2594.	1.645	34.644	2.48	1.463	27.727
2896.	1.574	34.659	2.77	1.365	27.747
3096.	1.539	34.664	2.94	1.312	27.754
3399.	1.502	34.670	3.14	1.246	27.764
3697.	1.481	34.676	3.29	1.195	27.772
3996.	1.470	34.681	3.40	1.152	27.778
4399.	1.475	34.685	3.53	1.112	27.785
4799.	1.497	34.687	3.60	1.087	27.788
5198.	1.533	34.689	3.63	1.073	27.791
5658.	1.583	34.691	0.00	1.063	27.793

CAST CG1-92-VI -033 LAT 43 00.5N LONG 165 00.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	15.482	32.801	6.24	15.481	24.173
21.	11.065	33.119	7.10	11.062	25.300
46.	5.760	33.222	7.21	5.756	26.178
72.	4.251	33.266	6.99	4.246	26.382
96.	3.848	33.338	6.82	3.842	26.480
122.	3.890	33.442	6.19	3.882	26.559
145.	3.967	33.567	5.23	3.957	26.650
171.	3.603	33.641	0.00	3.592	26.745
194.	3.455	33.688*	3.68	3.443*	26.797*
245.	3.340	33.769	2.92	3.324	26.873
294.	3.339	33.838	2.80	3.320	26.928
345.	3.525	33.936	1.97	3.502	26.989
395.	3.496	33.993	1.56	3.470	27.038
494.	3.683	34.150	1.18	3.649	27.146
593.	3.400	34.213	0.92	3.360	27.223
692.	3.203	34.279	0.81	3.157	27.295
793.	3.076	34.333	0.78	3.023	27.350
892.	2.929	34.372	0.00	2.870	27.395
993.	2.769	34.402	0.82	2.704	27.434
1193.	2.495	34.458	0.00	2.417	27.503
1392.	2.302	34.501	0.00	2.211	27.555
1593.	2.156	34.535	1.21	2.051	27.595
1793.	2.017	34.569	0.00	1.898	27.635
2094.	1.849	34.605	0.00	1.707	27.678
2394.	1.710	34.630	0.00	1.545	27.710
2696.	1.610	34.649	0.00	1.419	27.735
2998.	1.549	34.660	2.91	1.331	27.750
3295.	1.501	34.669	0.00	1.255	27.762
3597.	1.479	34.675	0.00	1.203	27.770
3897.	1.465	34.679	3.43	1.158	27.777
4198.	1.465	34.683	0.00	1.125	27.782
4499.	1.475	34.686	0.00	1.101	27.786
4799.	1.493	34.686	3.65	1.083	27.788
5097.	1.519	34.688	0.00	1.072	27.790
5515.	1.562	34.688	3.73	1.061	27.791

\* Calculated from CTD values

CAST CG1-92-VI -034 LAT 42 29.9N LONG 164 59.4E

CAST CG1-92-VI -035 LAT 42 00.7N LONG 165 01.9E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	15.468	32.792	6.40	15.467	24.170	6.	17.116	32.937	6.02	17.115	23.905
17.	11.473	32.834	6.57	11.471	25.005	22.	9.547	33.133	7.07	9.545	25.570
26.	7.521	33.138	7.27	7.519	25.881	46.	6.760	33.439	7.07	6.756	26.222
46.	5.431	33.239	7.32	5.427	26.231	70.	5.401	33.403	6.99	5.396	26.364
72.	4.006	33.288	7.07	4.001	26.424	96.	4.524	33.437	6.94	4.517	26.490
97.	3.995	33.346	6.98	3.989	26.472	120.	4.466	33.600	6.66	4.457	26.625
121.	4.029	33.442	6.48	4.021	26.545	144.	5.261	33.670	6.54	5.250	26.593
146.	4.092	33.547	5.78	4.082	26.622	196.	4.832	33.706	5.20	4.817	26.670
170.	3.989	33.641*	4.58	3.977*	26.707*	240.	4.206	33.750*	3.82	4.189*	26.772*
196.	3.590	33.715	4.01	3.577	26.806	294.	3.780	33.801	3.13	3.760	26.856
246.	3.433	33.785	0.00	3.417	26.877	344.	3.962	33.940	2.51	3.938	26.949
294.	3.625	33.855	2.54	3.606	26.914	395.	4.340	33.983	2.09	4.311	26.945
345.	3.571	33.923	0.00	3.548	26.974	493.	4.006	34.093	1.55	3.971	27.068
395.	3.472	33.983	1.59	3.446	27.032	594.	3.812	34.203	1.23	3.770	27.176
494.	3.464	34.099	0.00	3.431	27.126	693.	3.525	34.268	1.01	3.477	27.256
595.	3.416	34.192	0.94	3.376	27.205	795.	3.277	34.319	0.91	3.223	27.321
693.	3.205	34.255	0.00	3.159	27.276	895.	3.053	34.362	0.84	2.993	27.377
793.	3.026	34.304	0.77	2.974	27.332	993.	2.843	34.395	0.80	2.777	27.423
894.	2.865	34.353	0.00	2.806	27.386	1192.	2.551	34.452	0.83	2.473	27.494
993.	2.743	34.391	0.85	2.678	27.427	1395.	2.329	34.501	0.99	2.237	27.553
1194.	2.470	34.446	0.00	2.392	27.496	1598.	2.169	34.539	1.19	2.063	27.597
1392.	2.279	34.495	1.04	2.188	27.552	1799.	2.010	34.571	1.46	1.890	27.636
1594.	2.141	34.536	0.00	2.036	27.597	1995.	1.904	34.594	1.71	1.770	27.665
1794.	2.018	34.569	1.45	1.898	27.634	2242.	1.785	34.620	2.03	1.631	27.696
1991.	1.893	34.589	0.00	1.759	27.661	2496.	1.673	34.639	2.39	1.499	27.721
2294.	1.744	34.620	2.11	1.587	27.699	2745.	1.597	34.650	2.65	1.402	27.736
2593.	1.636	34.644	0.00	1.454	27.727	2996.	1.544	34.660	2.90	1.327	27.750
2894.	1.564	34.660	2.81	1.356	27.748	3244.	1.503	34.669	3.08	1.262	27.762
3197.	1.513	34.666	0.00	1.277	27.758	3497.	1.473	34.674	3.26	1.208	27.770
3497.	1.479	34.673	3.30	1.214	27.768	3741.	1.453	34.678	3.38	1.163	27.776
3798.	1.455	34.679	0.00	1.159	27.776	3997.	1.446	34.682	3.49	1.129	27.781
4099.	1.463	34.682	3.49	1.134	27.781	4245.	1.451	34.685	3.56	1.106	27.785
4399.	1.472	34.685	0.00	1.109	27.785	4494.	1.467	34.686	3.59	1.094	27.787
4699.	1.489	34.687	3.63	1.091	27.787	4698.	1.487	34.687	3.54	1.089	27.788
5076.	1.520	34.687	3.65	1.076	27.789	4918.	1.513	34.688	3.61	1.088	27.789

\* Calculated from CTD values

CAST CG1-92-VI -036 LAT 41 29.8N LONG 165 00.5E

CAST CG1-92-VI -037 LAT 41 01.3N LONG 164 59.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	19.034	33.506	5.46	19.033	23.872	7.	19.180	33.711	5.57	19.179	23.992
20.	18.477	33.881	6.60	18.474	24.299	21.	18.791	33.918	5.69	18.787	24.249
47.	10.401	34.133	5.94	10.396	26.208	47.	11.529	34.262	5.71	11.523	26.105
72.	9.907	33.999	6.05	9.899	26.188	71.	10.835	34.228	5.38	10.826	26.206
96.	9.058	33.971	6.05	9.048	26.305	95.	9.620	34.124	5.70	9.609	26.334
122.	8.580	33.984	5.51	8.567	26.391	123.	9.189	34.127	5.52	9.176	26.407
146.	7.986	33.929	5.91	7.972	26.437	144.	8.682	34.125	5.05	8.667	26.485
171.	7.374	33.870	6.03	7.358	26.479	171.	7.834	33.979	5.91	7.817	26.499
197.	6.799	33.844*	5.89	6.781*	26.538*	197.	6.967	33.907*	6.01	6.949*	26.565*
245.	6.410	33.930	4.40	6.388	26.657	246.	6.355	33.805	6.21	6.334	26.566
294.	5.603	33.921	0.00	5.579	26.752	295.	5.703	33.888	4.39	5.679	26.714
347.	4.962	33.954	3.06	4.935	26.854	343.	5.234	33.977	0.00	5.207	26.841
394.	4.761	34.002	0.00	4.731	26.915	394.	5.298	34.012	2.86	5.266	26.861
493.	4.427	34.108	1.76	4.390	27.036	495.	4.252	34.058	0.00	4.216	27.014
594.	3.986	34.188	0.00	3.943	27.146	595.	4.145	34.164	1.52	4.101	27.111
693.	3.788	34.256	1.09	3.739	27.221	692.	3.841	34.232	1.22	3.791	27.196
793.	3.487	34.305	0.00	3.432	27.290	794.	3.503	34.292	0.00	3.448	27.278
893.	3.175	34.350	0.83	3.114	27.356	894.	3.238	34.338	0.90	3.177	27.341
993.	3.003	34.401	0.00	2.936	27.413	992.	2.989	34.380	0.00	2.922	27.397
1093.	2.792	34.424	0.80	2.719	27.450	1092.	2.836	34.409	0.85	2.763	27.435
1191.	2.667	34.449	0.00	2.588	27.482	1195.	2.658	34.446	0.00	2.578	27.480
1294.	2.538	34.469	0.88	2.452	27.510	1495.	2.329	34.514	0.97	2.229	27.564
1492.	2.306	34.514	0.00	2.207	27.566	1791.	2.083	34.560	1.33	1.963	27.622
1692.	2.159	34.549	1.20	2.046	27.607	2092.	1.885	34.596*	0.00	1.743*	27.668*
1893.	2.017	34.578	0.00	1.889	27.642	2396.	1.729	34.626	2.19	1.563	27.706
2194.	1.837	34.612	1.91	1.687	27.685	2694.	1.623	34.646*	0.00	1.432*	27.731*
2495.	1.694	34.637	0.00	1.520	27.717	2994.	1.559	34.658	2.82	1.342	27.747
2793.	1.600	34.651	2.66	1.401	27.737	3299.	1.512	34.666	0.00	1.266	27.758
3096.	1.541	34.661	0.00	1.314	27.751	3596.	1.484	34.672	3.45	1.208	27.767
3395.	1.496	34.670	3.14	1.241	27.764	3898.	1.469	34.682	0.00	1.162	27.779
3697.	1.471	34.675	0.00	1.185	27.772	4199.	1.468	34.684	3.27	1.128	27.783
3997.	1.456	34.680	3.45	1.139	27.779	4503.	1.478	34.686	0.00	1.103	27.786
4299.	1.457	34.684	3.53	1.106	27.784	4799.	1.500	34.686	0.00	1.090	27.787
4699.	1.485	34.687	3.60	1.087	27.788	5099.	1.526	34.690	3.63	1.079	27.791
4861.	1.501	34.688	3.61	1.083	27.789	5361.	1.552	34.688	3.67	1.071	27.790

\* Calculated from CTD values

CAST CG1-92-VI -038 LAT 40 30.4N LONG 165 00.6E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	20.225	33.937	0.00	20.224	23.894
21.	17.731	34.103*	5.85	17.727*	24.652*
47.	12.900	34.339	5.24	12.894	25.902
70.	11.124	34.224	5.39	11.115	26.151
96.	10.233	34.227	5.23	10.222	26.311
121.	9.670	34.090	5.76	9.656	26.299
145.	9.076	34.140	5.42	9.060	26.436
170.	8.495	34.057*	5.44	8.477*	26.462*
197.	7.426	34.036	0.00	7.407	26.603
244.	6.394	33.901	5.10	6.373	26.637
295.	5.376	33.879	4.55	5.352	26.746
346.	4.664	33.895	0.00	4.638	26.840
395.	4.774	33.961	2.94	4.744	26.880
494.	4.244	34.026	2.18	4.208	26.990
592.	4.019	34.153	0.00	3.976	27.115
693.	3.739	34.222	1.16	3.690	27.198
782.	3.557	34.292	0.00	3.502	27.273
892.	3.244	34.344	0.84	3.183	27.344
992.	3.080	34.375	0.00	3.012	27.385
1193.	2.685	34.428	0.80	2.605	27.464
1391.	2.414	34.482	0.00	2.322	27.531
1893.	1.989	34.572*	0.00	1.862*	27.640*
2192.	1.819	34.607	1.85	1.669	27.682
2494.	1.687	34.631	0.00	1.513	27.713
2795.	1.591	34.654	2.63	1.392	27.740
3097.	1.537	34.661	0.00	1.310	27.752
3397.	1.495	34.668	3.12	1.239	27.762
3697.	1.473	34.674	3.29	1.187	27.770
4099.	1.464	34.683	3.44	1.135	27.781
4498.	1.476	34.683	3.56	1.102	27.784
4900.	1.505	34.687	3.68	1.083	27.788
5198.	1.535	34.688	3.63	1.075	27.790
5599.	1.585	34.689	3.64	1.072	27.791

CAST CG1-92-VI -039 LAT 40 00.9N LONG 165 00.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	19.578	33.767	5.40	19.577	23.933
23.	19.246	33.791	5.42	19.242	24.037
47.	12.105	34.034	6.44	12.099	25.821
70.	9.886	34.075	5.93	9.878	26.251
95.	9.145	34.001	5.99	9.135	26.315
120.	8.648	34.031*	5.97	8.636*	26.417*
146.	7.958	33.977	5.85	7.944	26.479
170.	7.378	33.923	5.90	7.362	26.521
194.	6.852	33.847*	6.10	6.834*	26.533*
244.	6.147	33.845	0.00	6.126	26.624
295.	5.437	33.906	3.82	5.413	26.760
344.	4.948	33.909	0.00	4.921	26.819
394.	4.644	33.936	2.82	4.614	26.875
495.	4.298	34.067	0.00	4.262	27.017
594.	3.964	34.156	1.39	3.921	27.123
694.	3.701	34.237	0.00	3.652	27.215
794.	3.530	34.305	1.00	3.474	27.286
895.	3.184	34.359	0.00	3.123	27.362
994.	2.868	34.388	0.90	2.802	27.414
1192.	2.420	34.442	0.00	2.343	27.497
1393.	2.330	34.474	0.97	2.238	27.532
1593.	2.258	34.502*	0.00	2.152*	27.561*
1793.	2.132	34.524	1.32	2.011	27.590
2095.	1.997	34.575	0.00	1.853	27.642
2398.	1.811	34.617	2.04	1.643	27.692
2697.	1.657	34.646	2.47	1.465	27.729
2995.	1.575	34.656	0.00	1.357	27.744
3295.	1.518	34.666	3.02	1.272	27.758
3598.	1.485	34.672	3.20	1.209	27.768
3897.	1.470	34.679	0.00	1.163	27.777
4197.	1.470	34.682	3.46	1.130	27.781
4497.	1.479	34.685	0.00	1.105	27.785
4797.	1.498	34.686	3.60	1.088	27.787
5098.	1.526	34.687	3.62	1.079	27.788
5574.	1.562	34.688	3.64	1.073	27.789

\* Calculated from CTD values



CST CG1-92-VI -041 LAT 39 01.2N LONG 165 01.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	21.929	34.096	5.11	21.928	23.552
46.	16.972	34.453*	5.86	16.964*	25.104*
71.	15.542	34.571	4.48	15.531	25.525
96.	14.003	34.517	4.69	13.989	25.817
121.	13.324	34.464	5.23	13.307	25.916
145.	12.689	34.450	5.22	12.670	26.033
170.	12.190	34.430*	5.04	12.168*	26.115*
195.	11.625	34.395	5.03	11.600	26.195
246.	10.221	34.273	5.18	10.192	26.352
296.	9.111	34.119	5.27	9.079	26.416
347.	7.934	34.007	5.15	7.899	26.509
397.	6.965	33.994*	0.00	6.928*	26.636*
497.	5.714	33.999	3.22	5.672	26.802
601.	4.507	33.989	2.48	4.461	26.934
696.	4.409	34.144	1.65	4.356	27.068
807.	3.999	34.224	1.20	3.939	27.175
896.	3.596	34.275	1.03	3.532	27.256
996.	3.288	34.323	0.90	3.218	27.325
1195.	2.937	34.402	0.83	2.855	27.421
1395.	2.576	34.461	0.87	2.482	27.501
1595.	2.317	34.505	0.99	2.210	27.558
1894.	2.075	34.558	1.28	1.946	27.622
2196.	1.883	34.607	1.70	1.732	27.677
2495.	1.749	34.630	2.16	1.574	27.708
2795.	1.653	34.643	0.00	1.452	27.727
3097.	1.566	34.660	2.84	1.338	27.749
3395.	1.514	34.671	3.07	1.258	27.763
3695.	1.490	34.677	3.22	1.204	27.772
4098.	1.476	34.679	3.42	1.147	27.778
4501.	1.481	34.685	3.54	1.106	27.785
4799.	1.498	34.686	3.59	1.088	27.787
5097.	1.526	34.686	0.00	1.079	27.788
5488.	1.571	34.688	3.65	1.073	27.789

CST CG1-92-VI -040 LAT 39 29.7N LONG 165 01.1E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
46.	16.336	34.464	5.28	16.329	25.261
71.	14.614	34.498	4.41	14.604	25.672
98.	13.073	34.456	4.81	13.060	25.960
120.	11.969	34.380	4.74	11.954	26.117
145.	11.490	34.397	4.67	11.472	26.220
172.	10.542	34.188	5.35	10.522	26.228
200.	9.550	34.119*	5.50	9.528*	26.343*
246.	8.201	34.120	5.22	8.176	26.557
294.	6.970	34.024	5.11	6.943	26.658
344.	6.451	33.999	4.15	6.420	26.708
395.	5.443	33.934	3.83	5.411	26.782
493.	4.749	34.006	2.66	4.711	26.920
594.	4.054	34.048	1.79	4.011	27.028
694.	3.933	34.172	1.32	3.883	27.140
793.	3.721	34.254	1.12	3.664	27.227
894.	3.462	34.313	1.03	3.399	27.299
994.	3.166	34.359	0.89	3.098	27.364
1192.	2.795	34.424	0.82	2.714	27.451
1392.	2.514	34.475	0.90	2.421	27.517
1592.	2.316	34.525	1.04	2.209	27.574
1793.	2.129	34.556	1.24	2.008	27.615
2095.	1.903	34.592	1.66	1.760	27.663
2394.	1.747	34.623	2.10	1.581	27.702
2695.	1.649	34.648	2.52	1.458	27.731
2996.	1.568	34.659	2.83	1.350	27.747
3297.	1.510	34.667	3.09	1.264	27.760
3598.	1.478	34.676	3.26	1.202	27.771
3898.	1.464	34.679	3.40	1.157	27.777
4198.	1.461	34.683	3.51	1.121	27.782
4498.	1.470	34.687	3.61	1.096	27.788
4798.	1.493	34.689	3.64	1.083	27.790
5099.	1.521	34.689	3.64	1.074	27.791
5320.	1.545	34.693	3.66	1.070	27.794

\* Calculated from CTD values

CAST CG1-92-VI -042 LAT 38 28.8N LONG 165 02.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	22.176	34.387	0.00	22.175	23.704
21.	22.149	34.389	5.15	22.145	23.715
46.	17.087	34.558	5.79	17.079	25.157
71.	15.491	34.625	5.21	15.480	25.577
96.	14.421	34.544	5.07	14.407	25.750
120.	13.599	34.494	5.20	13.582	25.883
145.	13.012	34.456	0.05	12.992	25.973
171.	12.689	34.437	5.51	12.666	26.023
196.	12.428	34.421*	5.51	12.402*	26.062*
246.	12.120	34.424	5.67	12.088	26.126
294.	11.779	34.382	5.53	11.741	26.159
344.	11.230	34.328	5.32	11.187	26.219
395.	10.325	34.239	4.94	10.278	26.311
494.	8.411	34.077	4.53	8.359	26.495
593.	6.250	34.012	3.61	6.197	26.747
693.	5.089	34.032	2.55	5.033	26.904
793.	4.404	34.120	1.74	4.343	27.050
893.	4.016	34.183	1.35	3.950	27.141
995.	3.720	34.255	1.10	3.647	27.229
1095.	3.405	34.322	0.89	3.327	27.314
1192.	3.158	34.368	0.83	3.074	27.374
1293.	2.943	34.407	0.85	2.853	27.425
1392.	2.767	34.435	0.78	2.671	27.464
1594.	2.492	34.485	0.89	2.383	27.528
1791.	2.277	34.530	0.00	2.154	27.583
1992.	2.119	34.566	1.35	1.982	27.625
2192.	1.949	34.591	1.63	1.797	27.660
2495.	1.787	34.621	2.09	1.611	27.698
2794.	1.667	34.643	2.52	1.466	27.726
3096.	1.583	34.658	2.84	1.355	27.746
3396.	1.524	34.666	3.07	1.268	27.759
3699.	1.491	34.673	3.24	1.205	27.768
3999.	1.480	34.679	3.40	1.162	27.777
4301.	1.472	34.684	3.48	1.121	27.783
4676.	1.489	34.686	3.59	1.094	27.787

\* Calculated from CTD values

CAST CG1-92-VI -043 LAT 37 59.4N LONG 165 00.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
4710.	1.495	34.687	3.60	1.096	27.788
11.	22.190	34.429	5.09	22.188	23.733
25.	21.892	34.433	5.12	21.887	23.820
47.	16.873	34.714*	0.00	16.865*	25.328*
100.	15.582	34.688	5.67	15.567	25.606
199.	13.147	34.460*	0.00	13.120*	25.952*
397.	11.475	34.459	5.35	11.425	26.278
796.	4.754	34.068	2.23	4.691	26.971
1196.	3.316	34.340	0.90	3.230	27.327
1995.	2.104	34.559	1.33	1.967	27.621
2798.	1.678	34.639	2.47	1.477	27.722
3803.	1.497	34.682	3.31	1.199	27.777

CAST CG1-92-VI -044 LAT 37 30.9N LONG 165 01.1E  
 CAST CG1-92-VI -045 LAT 37 00.9N LONG 164 59.9E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
11.	21.411	34.279	5.16	21.409	23.835
23.	21.389	34.278	5.17	21.385	23.841
51.	16.644	34.546	5.84	16.636	25.253
100.	14.177	34.522	5.12	14.163	25.784
201.	12.261	34.421	0.00	12.235	26.095
399.	10.238	34.235	5.04	10.191	26.323
699.	4.956	34.034	2.53	4.900	26.920
998.	3.670	34.272	1.02	3.597	27.248
1495.	2.593	34.467	0.82	2.490	27.505
1999.	2.043	34.573	0.01	1.906	27.637
2795.	1.642	34.644	2.53	1.442	27.728
3399.	1.507	34.670	3.10	1.251	27.763

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
9.	21.831	34.246	5.18	21.829	23.694
24.	19.737	34.242	5.49	19.733	24.255
51.	15.052	34.529*	5.60	15.044*	25.600*
100.	13.275	34.468	5.30	13.261	25.929
198.	12.006	34.406	5.58	11.980	26.132
398.	7.981	34.048	4.78	7.941	26.535
799.	4.103	34.198	1.37	4.044	27.144
1397.	2.621	34.463	0.83	2.526	27.499
2000.	1.992	34.579	1.49	1.856	27.646
2995.	1.548	34.661	2.86	1.331	27.750
4001.	1.458	34.683	3.46	1.140	27.781
4551.	1.464	34.687	3.60	1.084	27.789

\* Calculated from CTD values

CAST CG1-92-VI -046 LAT 36 31.8N LONG 165 00.4E										CAST CG1-92-VI -047 LAT 36 00.8N LONG 165 00.5E									
PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)		
9.	22.931	34.196	5.04	22.929	23.346	7.	23.191	34.283	0.00	23.190	23.337	7.	23.191	34.283	0.00	23.190	23.337		
103.	12.958	34.450	5.29	12.944	25.978	7.	23.191	34.278	5.06	23.190	23.333	7.	23.191	34.278	5.06	23.190	23.333		
201.	11.877	34.382	5.45	11.851	26.138	20.	20.971	34.137	5.29	20.967	23.848	20.	20.971	34.137	5.29	20.967	23.848		
398.	7.843	34.067	4.34	7.803	26.570	45.	14.715	34.499	5.91	14.708	25.650	45.	14.715	34.499	5.91	14.708	25.650		
700.	4.388	34.134	1.67	4.335	27.062	71.	13.790	34.514	5.17	13.780	25.858	71.	13.790	34.514	5.17	13.780	25.858		
997.	3.376	34.327	0.88	3.306	27.319	97.	13.066	34.462	5.24	13.053	25.966	97.	13.066	34.462	5.24	13.053	25.966		
1496.	2.444	34.496	0.92	2.343	27.540	118.	12.562	34.437	5.29	12.546	26.047	118.	12.562	34.437	5.29	12.546	26.047		
1997.	1.967	34.584	1.54	1.831	27.651	145.	12.260	34.414	5.32	12.241	26.089	145.	12.260	34.414	5.32	12.241	26.089		
2999.	1.550	34.660	2.85	1.332	27.749	168.	12.048	34.397*	0.00	12.026*	26.117*	168.	12.048	34.397*	0.00	12.026*	26.117*		
4001.	1.459	34.682	3.44	1.141	27.780	195.	11.755	34.374	5.36	11.730	26.154	195.	11.755	34.374	5.36	11.730	26.154		
5001.	1.511	34.690	3.64	1.076	27.791	245.	10.996	34.306	5.24	10.966	26.242	245.	10.996	34.306	5.24	10.966	26.242		
5626.	1.521	34.695	3.93	1.007	27.800	295.	9.943	34.223	4.86	9.909	26.361	295.	9.943	34.223	4.86	9.909	26.361		
						340.	8.950	34.146	4.82	8.913	26.463	340.	8.950	34.146	4.82	8.913	26.463		
						394.	7.826	34.065	4.54	7.787	26.572	394.	7.826	34.065	4.54	7.787	26.572		
						493.	5.864	34.003	3.48	5.822	26.787	493.	5.864	34.003	3.48	5.822	26.787		
						595.	4.558	34.015	2.57	4.513	26.949	595.	4.558	34.015	2.57	4.513	26.949		
						695.	4.342	34.126	1.72	4.290	27.061	695.	4.342	34.126	1.72	4.290	27.061		
						793.	3.931	34.214	1.21	3.873	27.174	793.	3.931	34.214	1.21	3.873	27.174		
						894.	3.658	34.284	1.07	3.594	27.257	894.	3.658	34.284	1.07	3.594	27.257		
						993.	3.364	34.338	0.91	3.294	27.329	993.	3.364	34.338	0.91	3.294	27.329		
						1192.	2.907	34.419	0.82	2.825	27.437	1192.	2.907	34.419	0.82	2.825	27.437		
						1394.	2.546	34.480	0.89	2.452	27.518	1394.	2.546	34.480	0.89	2.452	27.518		
						1693.	2.209	34.542	1.18	2.095	27.597	1693.	2.209	34.542	1.18	2.095	27.597		
						1993.	1.984	34.588	1.59	1.849	27.653	1993.	1.984	34.588	1.59	1.849	27.653		
						2293.	1.787	34.618	2.03	1.629	27.694	2293.	1.787	34.618	2.03	1.629	27.694		
						2592.	1.669	34.642	2.41	1.487	27.724	2592.	1.669	34.642	2.41	1.487	27.724		
						2895.	1.585	34.654	2.73	1.376	27.742	2895.	1.585	34.654	2.73	1.376	27.742		
						3196.	1.523	34.665	2.98	1.287	27.757	3196.	1.523	34.665	2.98	1.287	27.757		
						3497.	1.486	34.674	3.18	1.221	27.768	3497.	1.486	34.674	3.18	1.221	27.768		
						3795.	1.469	34.679	0.03	1.173	27.775	3795.	1.469	34.679	0.03	1.173	27.775		
						4097.	1.467	34.683	3.47	1.138	27.782	4097.	1.467	34.683	3.47	1.138	27.782		
						4400.	1.471	34.686	3.53	1.108	27.785	4400.	1.471	34.686	3.53	1.108	27.785		
						4698.	1.489	34.687	3.59	1.091	27.788	4698.	1.489	34.687	3.59	1.091	27.788		
						5000.	1.515	34.688	3.62	1.080	27.789	5000.	1.515	34.688	3.62	1.080	27.789		
						5592.	1.529	34.694	3.88	1.019	27.798	5592.	1.529	34.694	3.88	1.019	27.798		

CAST CG1-92-VI -048 LAT 35 21.6N LONG 165 00.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	25.604	34.225	4.86	25.603	22.574
22.	22.181	34.310*	0.00	22.177*	23.646*
46.	16.993	34.505	6.20	16.985	25.138
71.	14.492	34.527	4.77	14.482	25.720
95.	13.662	34.477	5.07	13.649	25.856
120.	12.934	34.435	5.17	12.918	25.972
146.	12.226	34.394	5.21	12.207	26.079
172.	11.618	34.339	5.04	11.596	26.152
196.	11.039	34.286	4.80	11.015	26.217
196.	11.039	34.291	4.66	11.015	26.221
244.	9.682	34.181	4.47	9.654	26.371
296.	8.387	34.091	4.29	8.356	26.507
341.	7.643	34.044	3.94	7.610	26.580
395.	6.557	34.010	3.55	6.521	26.703
495.	4.814	33.986	2.85	4.776	26.897
592.	4.538	34.109	1.93	4.493	27.026
694.	4.156	34.204	1.36	4.105	27.142
789.	3.759	34.270	1.05	3.702	27.235
893.	3.399	34.325	0.90	3.337	27.315
993.	3.151	34.382	1.03	3.083	27.384
1094.	2.959	34.413	0.87	2.884	27.427
1193.	2.739	34.445	0.92	2.659	27.472
1394.	2.458	34.500	0.93	2.365	27.542
1595.	2.207	34.544	1.16	2.101	27.598
1794.	2.050	34.577	0.01	1.930	27.639
1994.	1.911	34.601	1.76	1.776	27.670
2196.	1.805	34.619	2.07	1.655	27.693
2396.	1.704	34.635	2.30	1.538	27.714
2697.	1.607	34.651	2.62	1.416	27.736
2995.	1.546	34.663	2.87	1.329	27.752
3295.	1.505	34.671	3.08	1.259	27.763
3598.	1.484	34.676	3.24	1.208	27.771
3899.	1.470	34.679	3.38	1.163	27.776
4200.	1.470	34.685	3.51	1.130	27.784
4500.	1.478	34.687	3.56	1.104	27.787
4709.	1.482	34.688	3.65	1.083	27.789

\* Calculated from CTD values

CAST CG1-92-VI -049 LAT 34 42.0N LONG 165 03.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	26.514	34.228*	0.00	26.513*	22.293*
21.	26.286	34.225	4.74	26.281	22.363
44.	20.372	34.251	5.39	20.364	24.096
67.	18.150	34.423	5.82	18.139	24.797
98.	15.638	34.554	5.93	15.623	25.490
117.	14.245	34.504	5.18	14.228	25.756
142.	13.060	34.460	5.22	13.041	25.967
171.	12.467	34.432	5.02	12.444	26.063
197.	11.885	34.387	4.94	11.860	26.140
239.	11.058	34.330	4.94	11.029	26.249
296.	9.814	34.225	4.68	9.780	26.384
344.	8.532	34.124	4.38	8.496	26.511
395.	7.240	34.040	4.07	7.202	26.635
494.	5.404	33.970	3.22	5.364	26.816
595.	4.714	34.063	2.29	4.668	26.970
696.	4.270	34.279	1.62	4.218	27.190
794.	3.961	34.250	1.20	3.903	27.200
894.	3.527	34.304	0.93	3.464	27.286
992.	3.254	34.352	0.86	3.185	27.351
1194.	2.792	34.435	0.88	2.711	27.460
1395.	2.492	34.490	0.86	2.398	27.531
1691.	2.151	34.554	1.22	2.038	27.612
1995.	1.912	34.599	1.71	1.777	27.667
2270.	1.734	34.627	2.14	1.579	27.705
2597.	1.622	34.646	2.54	1.440	27.731
2895.	1.550	34.660	2.80	1.342	27.748
3192.	1.507	34.667	3.03	1.272	27.760
3494.	1.479	34.674	3.21	1.214	27.769
3792.	1.464	34.678	3.35	1.168	27.775
4098.	1.463	34.683	3.48	1.134	27.782
4400.	1.464	34.321	4.84	1.104	27.493
4698.	1.472	34.688	3.65	1.075	27.789
5000.	1.478	34.691	3.79	1.044	27.794
5298.	1.491	34.693	3.89	1.020	27.797
5498.	1.502	34.694	3.93	1.005	27.799
5648.	1.515	34.698	3.97	0.999	27.802

CAST CG1-92-VI -050 LAT 34 02.5N LONG 165 03.2E							CAST CG1-92-VI -051 LAT 33 22.6N LONG 165 00.9E						
PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)		PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	
7.	26.569	34.309*	0.00	26.567*	22.336*		6.	26.590	34.346	0.00	26.589	22.358	
7.	26.569	34.301	4.77	26.567	22.330		6.	26.590	34.346	4.70	26.589	22.357	
21.	26.532	34.298	4.90	26.527	22.341		21.	26.572	34.348	4.75	26.567	22.366	
48.	22.952	34.596	5.02	22.942	23.645		45.	23.444	34.592	5.14	23.435	23.500	
72.	20.454	34.729	4.40	20.441	24.440		70.	20.673	34.780	4.66	20.660	24.420	
99.	19.071	34.750	4.36	19.053	24.818		95.	19.305	34.780	4.44	19.288	24.780	
122.	17.674	34.759	4.26	17.653	25.174		120.	18.611	34.808	4.54	18.590	24.979	
146.	17.149	34.710	4.17	17.125	25.263		146.	17.803	34.784	4.69	17.778	25.162	
171.	16.151	34.649	4.23	16.124	25.450		171.	17.302	34.771	4.74	17.273	25.274	
195.	15.524	34.647	4.20	15.494	25.591		196.	16.819	34.758	0.05	16.787	25.380	
248.	13.425	34.486	5.14	13.390	25.917		246.	15.326	34.691	4.36	15.288	25.671	
295.	12.640	34.419	4.97	12.600	26.023		294.	14.163	34.575	4.10	14.120	25.834	
345.	11.464	34.339	4.87	11.420	26.184		343.	12.315	34.417	5.08	12.269	26.085	
395.	10.141	34.280	4.33	10.095	26.374		395.	11.286	34.331	5.83	11.236	26.212	
492.	6.927	34.004	4.29	6.881	26.650		494.	8.120	34.084	4.53	8.069	26.545	
596.	5.402	34.002	3.08	5.353	26.843		594.	5.731	33.982	3.71	5.680	26.788	
697.	4.616	34.069	2.18	4.562	26.987		695.	4.726	34.045	2.50	4.672	26.955	
792.	4.238	34.181	1.53	4.178	27.116		794.	4.260	34.138	1.74	4.200	27.080	
896.	3.826	34.266	1.10	3.760	27.226		881.	3.890	34.234	1.16	3.825	27.195	
995.	3.440	34.326*	0.00	3.369*	27.313*		993.	3.491	34.303	0.87	3.420	27.290	
1193.	2.884	34.413	0.79	2.802	27.434		1195.	2.963	34.407*	0.00	2.881*	27.422*	
1389.	2.574	34.474	0.00	2.480	27.511		1393.	2.584	34.476*	0.00	2.490*	27.512*	
1694.	2.202	34.552	1.23	2.088	27.605		1696.	2.207	34.553*	0.00	2.093*	27.606*	
1995.	1.959	34.595	1.65	1.824	27.661		1994.	1.957	34.597*	0.00	1.822*	27.662*	
2296.	1.753	34.623	2.10	1.595	27.701		2294.	1.780	34.629*	0.00	1.622*	27.704*	
2593.	1.634	34.647*	0.00	1.452*	27.730*		2596.	1.653	34.651*	0.00	1.471*	27.732*	
2899.	1.553	34.658	2.78	1.345	27.747		2897.	1.590	34.661*	0.00	1.381*	27.747*	
3196.	1.503	34.667	3.02	1.267	27.759		3195.	1.546	34.669*	0.00	1.309*	27.758*	
3597.	1.476	34.681	3.27	1.200	27.775		3597.	1.509	34.676*	0.00	1.233*	27.769*	
4003.	1.464	34.681	3.42	1.146	27.780		4000.	1.490	34.681*	0.00	1.174*	27.777*	
4400.	1.468	34.686	3.55	1.105	27.786		4396.	1.490	34.685*	0.00	1.127*	27.784*	
4800.	1.475	34.689	3.68	1.066	27.791		4798.	1.494	34.689*	0.00	1.084*	27.790*	
5100.	1.487	34.692	3.79	1.041	27.795		5097.	1.499	34.691*	0.00	1.053*	27.794*	
5396.	1.502	34.694	3.88	1.018	27.798		5397.	1.510	34.693*	0.00	1.026*	27.797*	
5599.	1.514	34.696	3.93	1.004	27.800		5696.	1.531	34.694*	0.00	1.008*	27.799*	
5751.	1.527	34.696	3.95	0.997	27.801		5947.	1.551	34.694*	0.00	0.994*	27.800*	

\* Calculated from CTD values

CAST CG1-92-VI -053 LAT 32 00.0N LONG 165 00.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	26.986	34.851*	0.00	26.984*	22.613*
7.	26.986	34.847	5.11	26.984	22.609
21.	26.325	34.787	5.29	26.320	22.775
46.	22.401	34.744	5.65	22.392	23.914
72.	19.703	34.800	5.50	19.690	24.692
97.	18.111	34.852	5.36	18.094	25.137
121.	17.631	34.800	5.03	17.611	25.215
147.	17.278	34.788	4.98	17.254	25.292
172.	17.076	34.781	4.98	17.048	25.336
196.	16.894	34.772	4.97	16.862	25.373
246.	16.536	34.753	5.02	16.496	25.444
297.	16.183	34.735	5.09	16.136	25.514
343.	15.862	34.694	4.86	15.808	25.556
392.	14.878	34.603	4.56	14.819	25.706
494.	11.889	34.384	4.45	11.825	26.145
596.	8.855	34.137	4.41	8.790	26.476
693.	6.684	34.021	3.73	6.619	26.699
794.	5.012	34.308	3.40	4.947	27.133
891.	4.492	34.133	1.77	4.422	27.052
993.	3.987	34.226	1.20	3.912	27.180
1195.	3.292	34.353	0.86	3.207	27.350
1395.	2.815	34.436	0.82	2.718	27.460
1691.	2.323	34.522	1.05	2.208	27.572
1994.	1.998	34.584	1.55	1.862	27.649
2197.	1.863	34.610*	0.00	1.712*	27.682*

CAST CG1-92-VI -052 LAT 32 41.9N LONG 165 01.5E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	26.818	34.380	5.23	26.816	22.311
21.	26.798	34.375	5.16	26.793	22.315
48.	22.254	34.614	5.37	22.244	23.858
89.	19.065	34.792	4.87	19.049	24.851
97.	18.804	34.796*	0.00	18.787*	24.921*
120.	18.077	34.791	4.91	18.056	25.099
147.	17.603	34.785	4.90	17.578	25.211
170.	17.327	34.792	5.03	17.299	25.284
197.	17.088	34.779	4.98	17.055	25.333
247.	16.524	34.734	4.59	16.484	25.432
298.	15.486	34.648	4.37	15.440	25.604
346.	14.282	34.549	4.07	14.231	25.791
394.	12.877	34.441	3.93	12.823	25.996
498.	9.373	34.158	4.71	9.317	26.408
597.	6.954	33.988	3.97	6.898	26.636
698.	5.146	33.992	0.03	5.089	26.866
787.	4.650	34.112	2.00	4.588	27.017
994.	3.776	34.277	1.10	3.703	27.241
1195.	3.149	34.387	0.96	3.065	27.390
1391.	2.740	34.459	0.82	2.644	27.485
1592.	2.425	34.512	0.98	2.317	27.555
2100.	1.937	34.599	1.76	1.793	27.667
2596.	1.694	34.640	2.47	1.511	27.721
3096.	1.571	34.662	2.89	1.343	27.750
3596.	1.508	34.673	0.03	1.232	27.767
4100.	1.491	34.681	3.42	1.161	27.778
4598.	1.492	34.686	3.59	1.106	27.786
4999.	1.501	34.689	3.73	1.067	27.791
5397.	1.515	34.692	3.87	1.031	27.796
5797.	1.542	34.694	3.94	1.005	27.799
6101.	1.570	34.696	3.98	0.992	27.802
4799.	1.496	34.688	3.66	1.086	27.789
5103.	1.504	34.690	3.76	1.057	27.793
5399.	1.515	34.692	3.88	1.031	27.796
5696.	1.533	34.694	3.95	1.010	27.799
5931.	1.554	34.695	0.00	0.999	27.801

\* Calculated from CTD values

CAST CG1-92-VI -054 LAT 31 19.6N LONG 164 59.1E										CAST CG1-92-VI -055 LAT 30 41.3N LONG 164 58.5E									
PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)								
7.	27.309	34.893*	0.00	27.307*	22.541*	8.	27.226	34.940*	0.00	27.224*	22.603*								
7.	27.309	34.869	4.82	27.307	22.523	8.	27.226	34.964	5.11	27.224	22.621								
21.	27.310	34.869	4.80	27.305	22.523	22.	27.232	34.964	5.06	27.227	22.620								
47.	21.938	34.888	5.53	21.929	24.154	49.	20.201	34.875	5.55	20.192	24.617								
71.	19.794	34.869	5.47	19.781	24.720	72.	19.030	34.815	5.41	19.017	24.877								
97.	18.233	34.840	5.39	18.216	25.097	98.	17.941	34.806	5.08	17.924	25.143								
121.	17.614	34.809	4.99	17.594	25.226	121.	17.368	34.800	4.97	17.348	25.279								
145.	17.299	34.792	4.94	17.275	25.290	147.	17.094	34.787	4.93	17.070	25.335								
171.	17.012	34.780	4.91	16.984	25.350	172.	16.862	34.768	4.93	16.834	25.376								
199.	16.698	34.757*	4.95	16.666*	25.408*	197.	16.630	34.756	4.98	16.598	25.423								
245.	16.365	34.738*	4.82	16.326*	25.472*	248.	16.200	34.738	5.03	16.160	25.511								
292.	15.883	34.693*	0.00	15.837*	25.549*	297.	15.710	34.683	4.69	15.664	25.581								
344.	15.059	34.628	4.59	15.007	25.685	347.	14.633	34.595	4.54	14.581	25.751								
394.	14.068	34.539	4.53	14.011	25.829	404.	13.355	34.505	4.57	13.298	25.950								
496.	11.794	34.373	4.46	11.730	26.154	495.	10.929	34.329	4.57	10.868	26.277								
593.	9.401	34.167	4.22	9.334	26.413	595.	8.394	34.119	4.45	8.331	26.533								
789.	5.200	34.040	2.47	5.135	26.899	694.	6.112	34.013	3.37	6.050	26.767								
990.	3.996	34.232	1.15	3.922	27.183	794.	4.932	34.058	2.32	4.868	26.943								
1195.	3.270	34.358	0.84	3.185	27.356	894.	4.379	34.151	1.60	4.310	27.079								
1393.	2.766	34.444	0.77	2.670	27.471	994.	3.904	34.236	1.17	3.830	27.196								
1694.	2.330	34.538	1.10	2.214	27.584	1194.	3.237	34.366	0.83	3.152	27.365								
1993.	2.020	34.591	1.67	1.884	27.653	1393.	2.759	34.453	0.80	2.663	27.478								
2290.	1.818	34.623	2.14	1.660	27.696	1594.	2.442	34.511	0.97	2.333	27.553								
2593.	1.683	34.644	2.54	1.500	27.724	1897.	2.079	34.575	1.42	1.950	27.635								
2895.	1.596	34.657	2.83	1.387	27.743	2192.	1.861	34.611	1.91	1.711	27.683								
3197.	1.543	34.667	3.04	1.306	27.756	2493.	1.715	34.638	2.37	1.541	27.717								
3498.	1.505	34.673	3.21	1.239	27.766	2793.	1.603	34.655	2.72	1.404	27.740								
3796.	1.481	34.679	3.34	1.185	27.775	3097.	1.531	34.666	2.95	1.304	27.756								
4099.	1.468	34.685	3.47	1.139	27.783	3398.	1.495	34.673	3.18	1.239	27.766								
4499.	1.465	34.686	3.62	1.091	27.787	3698.	1.474	34.681	3.32	1.188	27.776								
4899.	1.472	34.690	3.78	1.051	27.793	4099.	1.460	34.683	3.51	1.131	27.782								
5299.	1.484	34.693	3.89	1.013	27.798	4498.	1.462	34.688	3.65	1.088	27.789								
5699.	1.516	34.695	3.97	0.993	27.801	4899.	1.469	34.693	3.81	1.048	27.795								
5801.	1.529	34.716	3.98	0.992	27.818	5197.	1.478	34.694	3.89	1.020	27.798								
						5402.	1.491	34.695	3.94	1.007	27.800								
						5579.	1.507	34.695	3.96	1.000	27.801								

\* Calculated from CTD values



CAST CG2-92-VI -056 LAT 21 58.0N LONG 165 00.6E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	27.636	35.183	4.99	27.634	22.653
47.	24.578	35.152*	5.27	24.568*	23.589*
71.	21.094	35.128	5.24	21.080	24.571
97.	19.594	35.091	5.00	19.576	24.944
122.	18.833	34.881	4.87	18.811	24.979
146.	17.601	34.816	4.90	17.576	25.236
173.	17.097	34.771	4.83	17.068	25.323
196.	16.654	34.671	3.16	16.622	25.352
296.	14.711	34.528*	4.53	14.667*	25.681*
348.	12.826	34.410	0.00	12.779	25.980
396.	11.249	34.314	4.51	11.199	26.205
496.	8.599	34.135	3.71	8.546	26.512
596.	6.584	34.121	2.10	6.529	26.790
692.	5.556	34.217	1.28	5.497	26.996
794.	4.917	34.327	1.06	4.853	27.159
890.	4.399	34.404	1.12	4.330	27.278
993.	4.088	34.462	1.32	4.012	27.357
1193.	3.493	34.518	1.60	3.406	27.462
1391.	2.987	34.547	1.73	2.888	27.533
1595.	2.538	34.576	1.94	2.428	27.597
1792.	2.253	34.599	2.16	2.130	27.640
2094.	1.960	34.625	2.41	1.816	27.685
2396.	1.781	34.646	2.66	1.614	27.718
2692.	1.693	34.655	2.85	1.501	27.733
2993.	1.619	34.664	3.01	1.400	27.747
3294.	1.551	34.671*	0.00	1.304*	27.760*
3595.	1.508	34.677	0.03	1.232	27.770
3899.	1.478	34.685	3.45	1.171	27.781
4199.	1.458	34.689	3.62	1.118	27.787
4501.	1.442	34.691	3.75	1.069	27.792
4800.	1.430	34.696*	0.00	1.022*	27.800*
5099.	1.430	34.699	4.01	0.986	27.804
5300.	1.445	34.699	4.06	0.976	27.805
5353.	1.448	34.701	4.05	0.972	27.807

CAST CG2-92-VI -057 LAT 21 19.2N LONG 165 00.5E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
1.	27.631	34.787*	0.00	27.631*	22.357*
25.	27.644	35.169	4.65	27.638	22.642
28.	27.644	35.163	4.88	27.637	22.638
70.	23.355	35.143	5.09	23.341	23.945
93.	20.711	35.105*	0.00	20.693*	24.658*
118.	19.524	35.074	4.66	19.503	24.949
144.	18.633	34.941	4.87	18.608	25.077
167.	18.040	34.857	4.93	18.011	25.161
195.	17.293	34.799	4.97	17.260	25.299
225.	16.502	34.746*	0.00	16.466*	25.446*
293.	14.717	34.565	4.57	14.673	25.709
342.	13.157	34.410	4.50	13.110	25.914
394.	11.690	34.286	4.40	11.639	26.103
493.	8.728	34.116	3.44	8.675	26.477
596.	6.722	34.114	2.12	6.667	26.766
690.	5.465	34.242	1.27	5.407	27.027
792.	4.811	34.322	1.08	4.748	27.166
893.	4.421	34.401	1.19	4.351	27.272
992.	4.005	34.451	1.28	3.930	27.356
1194.	3.433	34.511	1.55	3.346	27.462
1387.	2.978	34.544	1.73	2.880	27.532
1590.	2.577	34.573	1.91	2.467	27.592
1795.	2.263	34.598	2.16	2.140	27.638
2093.	2.022	34.621	2.62	1.877	27.678
2390.	1.847	34.640	2.81	1.679	27.708
2691.	1.701	34.653	0.00	1.509	27.731
2989.	1.615	34.662	2.99	1.397	27.747
3298.	1.553	34.669	3.13	1.306	27.759
3597.	1.520	34.675	3.29	1.243	27.767
3899.	1.488	34.679	3.41	1.180	27.775
4200.	1.463	34.686	3.58	1.123	27.784
4497.	1.441	34.690	3.74	1.068	27.791
4800.	1.432	34.693	3.93	1.024	27.797
5098.	1.430	34.686	4.03	0.986	27.794
5401.	1.449	34.697	4.06	0.967	27.804
5686.	1.482	34.697	4.08	0.962	27.805

\* Calculated from CTD values

CAST CG2-92-VI -058 LAT 20 39.9N LONG 164 59.2E										CAST CG2-92-VI -059 LAT 19 59.3N LONG 165 00.3E									
PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)		
47.	26.795	35.101*	4.67	26.784*	22.865*	7.	28.701	35.057*	0.00	28.699*	22.210*								
71.	23.917	35.263	5.05	23.902	23.871	18.	28.694	35.056*	0.00	28.690*	22.212*								
99.	21.907	35.210	4.77	21.887	24.410	46.	28.598	35.186	0.00	28.587	22.343								
120.	20.929	35.143	4.28	20.906	24.629	72.	25.465	35.168	5.00	25.449	23.333								
137.	20.139	35.080	4.52	20.114	24.794	96.	23.507	35.228	4.91	23.487	23.966								
169.	18.602	34.970	4.42	18.572	25.108	120.	21.250	35.162	4.38	21.227	24.556								
195.	17.687	34.868	4.50	17.654	25.257	146.	20.476	35.071	4.50	20.449	24.698								
245.	15.760	34.709	4.52	15.722	25.588	166.	19.366	34.964	4.52	19.336	24.909								
296.	13.532	34.545	4.48	13.490	25.942	195.	17.864	34.842	4.57	17.831	25.194								
346.	11.934	34.382	4.36	11.889	26.131	246.	16.063	34.693	4.51	16.024	25.506								
395.	10.884	34.268	4.36	10.836	26.235	296.	14.322	34.518	4.53	14.279	25.756								
496.	8.032	34.112	3.17	7.981	26.579	343.	12.804	34.371	4.38	12.757	25.954								
593.	6.061	34.140	1.89	6.009	26.872	393.	11.315	34.244	4.32	11.266	26.140								
696.	5.292	34.242	1.23	5.234	27.047	494.	8.049	34.116	3.24	7.999	26.580								
793.	4.835	34.338	1.10	4.771	27.177	594.	6.064	34.117	2.06	6.012	26.854								
894.	4.409	34.428	1.22	4.339	27.295	693.	5.297	34.242	1.22	5.240	27.047								
994.	4.104	34.487	1.51	4.028	27.375	794.	4.814	34.354	1.12	4.750	27.192								
1197.	3.341	34.530	1.66	3.255	27.486	891.	4.443	34.438	1.29	4.373	27.300								
1392.	2.898	34.559	1.83	2.800	27.551	994.	4.085	34.492	1.55	4.009	27.381								
1593.	2.506	34.582	1.98	2.396	27.605	1094.	3.746	34.516	1.62	3.665	27.435								
1793.	2.219	34.605	2.17	2.097	27.647	1293.	3.167	34.549	1.79	3.074	27.518								
2093.	1.952	34.627	2.43	1.808	27.688	1493.	2.774	34.572	1.95	2.669	27.573								
2395.	1.806	34.647	2.66	1.639	27.717	1693.	2.436	34.592	2.10	2.319	27.619								
2694.	1.680	34.660	2.86	1.488	27.739	1893.	2.185	34.607	2.25	2.055	27.653								
2994.	1.617	34.666	2.99	1.398	27.750	2190.	1.909	34.633	2.48	1.758	27.696								
3296.	1.570	34.671	3.15	1.323	27.759	2496.	1.733	34.649	2.72	1.558	27.725								
3596.	1.511	34.677	3.32	1.235	27.770	2795.	1.640	34.659	2.92	1.440	27.741								
3898.	1.478	34.682	3.44	1.171	27.778	3092.	1.571	34.666	3.07	1.344	27.753								
4198.	1.454	34.687	3.58	1.115	27.786	3398.	1.515	34.670	3.27	1.259	27.763								
4499.	1.446	34.692	3.71	1.073	27.793	3700.	1.479	34.680	3.41	1.193	27.775								
4799.	1.450	34.694	3.86	1.041	27.796	3997.	1.455	34.689	3.55	1.138	27.786								
5099.	1.457	34.694	3.95	1.012	27.799	4300.	1.432	34.690	3.69	1.082	27.791								
5399.	1.461	34.695	4.04	0.979	27.802	4599.	1.415	34.692	3.92	1.031	27.796								
5630.	1.481	34.697	4.07	0.968	27.804	4900.	1.406	34.696	4.03	0.987	27.802								
						5101.	1.415	34.696	4.09	0.971	27.803								
						5415.	1.439	34.695	4.13	0.955	27.803								

\* Calculated from CTD values

CAST CG2-92-VI -062 LAT 18 39.9N LONG 164 35.9E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
20.	28.827	35.036	4.72	28.822	22.153
46.	28.827	35.038	4.77	28.816	22.156
71.	27.753	35.138	5.13	27.736	22.586
96.	24.770	35.236	5.14	24.749	23.598
122.	23.512	35.309	4.77	23.487	24.028
144.	21.498	35.282	4.55	21.470	24.581
172.	19.593	35.146	4.37	19.562	24.989
196.	17.891	35.001	4.42	17.857	25.309
246.	16.245	34.806	4.55	16.206	25.552
296.	13.832	34.616	4.36	13.790	25.935
342.	11.960	34.397	4.30	11.915	26.137
395.	10.268	34.275	4.40	10.221	26.349
494.	7.471	34.115	3.42	7.423	26.663
594.	5.952	34.139	1.84	5.900	26.885
693.	5.132	34.299	1.13	5.075	27.111
793.	4.896	34.415	1.32	4.832	27.231
892.	4.486	34.462	1.47	4.416	27.314
990.	4.040	34.498	1.56	3.965	27.390
1194.	3.330	34.546	1.80	3.244	27.500
1390.	2.864	34.567	1.96	2.767	27.560
1591.	2.538	34.588	2.07	2.428	27.607
1790.	2.280	34.609	2.23	2.157	27.646
2095.	1.950	34.629	2.48	1.806	27.690
2393.	1.763	34.646	2.71	1.597	27.719
2696.	1.656	34.659	2.89	1.464	27.739
2996.	1.581	34.669	3.07	1.363	27.755
3297.	1.526	34.673	3.22	1.280	27.764
3598.	1.466	34.678	3.35	1.222	27.771
4199.	1.431	34.683	3.49	1.159	27.780
4499.	1.411	34.687	3.67	1.092	27.788
4799.	1.411	34.693	3.87	1.039	27.796
5148.	1.389	34.696	4.04	0.987	27.802
		34.698	4.16	0.940	27.807

CAST CG2-92-VI -061 LAT 19 32.2N LONG 165 02.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
4.	28.798	35.020	0.00	28.797	22.149
7.	28.799	35.021	4.87	28.797	22.149
7.	28.799	35.021	4.96	28.797	22.150
21.	28.802	35.019	4.82	28.797	22.149
47.	27.287	35.123	4.95	27.276	22.724
71.	25.107	35.188	4.95	25.092	23.457
97.	24.065	35.250*	0.00	24.045*	23.819*
122.	22.723	35.317	4.61	22.698	24.263
146.	20.693	35.108*	0.00	20.665*	24.668*
196.	18.070	35.014	4.37	18.036	25.275
245.	16.033	34.786	4.50	15.994	25.585
294.	14.226	34.593	4.51	14.183	25.834
344.	11.550	34.409	4.42	11.506	26.223
400.	9.863	34.235	4.20	9.817	26.386
496.	7.495	34.114	2.98	7.446	26.659
591.	6.088	34.154	1.70	6.036	26.880
690.	5.184	34.268	1.14	5.127	27.081
792.	4.909	34.411	1.17	4.845	27.226
892.	4.479	34.465	1.33	4.409	27.318
993.	4.107	34.496	1.56	4.031	27.382
1091.	3.743	34.518	1.65	3.662	27.437
1192.	3.492	34.539	1.75	3.405	27.479
1393.	3.015	34.562	1.88	2.916	27.543
1595.	2.581	34.587	2.03	2.470	27.602
1792.	2.296	34.607	2.23	2.173	27.643
1988.	2.068	34.624	2.40	1.932	27.676
2191.	1.899	34.637	2.57	1.748	27.700
2498.	1.727	34.651	2.76	1.552	27.726
2795.	1.645	34.660	2.94	1.444	27.742
3095.	1.574	34.668	3.10	1.346	27.755
3396.	1.524	34.674	3.25	1.268	27.765
3695.	1.493	34.678	3.40	1.207	27.773
3997.	1.458	34.685	3.56	1.141	27.782
4298.	1.435	34.688	3.70	1.085	27.789
4400.	1.430	34.689	3.77	1.069	27.791
4539.	1.417	34.692	3.87	1.040	27.795

\* Calculated from CTD values

CAST CG2-92-VI -064 LAT 26 01.7N LONG 165 03.9E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	26.401	35.275	4.72	26.399	23.118
7.	26.401	35.277	4.74	26.399	23.119
22.	26.354	35.281	4.76	26.349	23.138
45.	26.287	35.291	4.77	26.277	23.168
71.	23.063	35.332	4.80	23.048	24.173
95.	22.100	35.301	5.14	22.081	24.425
119.	20.824	35.263	4.99	20.801	24.749
144.	19.249	35.097	4.64	19.223	25.039
171.	18.531	34.991	4.80	18.501	25.142
195.	17.862	34.903	4.76	17.829	25.241
245.	16.677	34.750	4.75	16.637	25.409
294.	15.567	34.673	4.66	15.521	25.605
343.	14.278	34.572	4.61	14.228	25.809
395.	12.931	34.491	0.05	12.877	26.024
494.	10.406	34.285	4.50	10.347	26.334
589.	7.910	34.123	4.06	7.850	26.608
686.	6.119	34.038	3.10	6.058	26.785
790.	5.023	34.070	1.96	4.959	26.943
885.	4.315	34.177	1.29	4.247	27.106
991.	3.851	34.267	0.91	3.778	27.226
1091.	3.469	34.341	0.78	3.390	27.323
1194.	3.160	34.412	0.82	3.076	27.409
1292.	2.961	34.452	0.90	2.871	27.459
1393.	2.717	34.497	1.09	2.621	27.517
1593.	2.380	34.544	1.40	2.272	27.584
1792.	2.121	34.580	1.70	2.000	27.635
1995.	1.955	34.612	2.08	1.820	27.675
2192.	1.833	34.625	2.34	1.683	27.696
2495.	1.689	34.646	2.66	1.515	27.725
2793.	1.605	34.657	2.88	1.405	27.742
3095.	1.544	34.667	3.06	1.317	27.756
3397.	1.507	34.674	3.23	1.251	27.766
3700.	1.480	34.680	3.38	1.194	27.775
3999.	1.463	34.686	3.49	1.145	27.784
4298.	1.448	34.686	3.63	1.098	27.787

CAST CG2-92-VI -063 LAT 24 02.6N LONG 164 59.1E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
8.	27.240	35.155	4.61	27.238	22.760
8.	27.240	35.154	4.62	27.238	22.760
21.	27.140	35.155	4.60	27.135	22.793
44.	27.039	35.154	0.00	27.029	22.827
60.	25.859	35.288	4.82	25.846	23.301
97.	22.036	35.271	4.82	22.017	24.421
122.	19.816	35.151	4.62	19.794	24.932
147.	19.056	35.019	4.81	19.030	25.030
171.	17.871	34.981	4.84	17.842	25.298
197.	17.060	34.878	4.82	17.027	25.415
221.	16.772	34.811	4.58	16.736	25.432
246.	16.374	34.755	4.82	16.334	25.483
297.	15.559	34.679	4.65	15.513	25.611
347.	14.219	34.552	4.60	14.168	25.806
386.	12.823	34.424	4.60	12.770	25.993
495.	9.542	34.187	4.31	9.486	26.404
595.	7.536	34.095	3.61	7.477	26.640
698.	5.725	34.079	2.39	5.665	26.866
796.	4.918	34.153	1.46	4.854	27.021
897.	4.202	34.257	0.99	4.134	27.182
998.	3.845	34.350	0.84	3.771	27.292
1192.	3.235	34.468	1.07	3.150	27.447
1392.	2.782	34.532	1.53	2.686	27.540
1696.	2.294	34.583	1.91	2.179	27.624
1995.	1.986	34.617	2.30	1.850	27.677
2293.	1.804	34.637	2.52	1.646	27.708
2597.	1.688	34.651	2.77	1.505	27.729
2896.	1.619	34.668	3.10	1.409	27.750
3197.	1.568	34.674	3.29	1.331	27.760
3597.	1.523	34.680	3.45	1.246	27.771
3998.	1.499	34.687	3.64	1.180	27.781
4399.	1.470	34.689	3.80	1.107	27.789
4796.	1.460	34.694	3.77	1.052	27.796
5096.	1.454	34.695	4.01	1.009	27.800
5401.	1.468	34.696	4.04	0.985	27.802
5497.	1.474	34.697	4.10	0.979	27.804

CAST CG2-92-VI -066 LAT 16 00.5N LONG 164 59.5E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
8.	28.599	34.702	4.48	28.597	21.977
21.	28.610	34.706	4.47	28.605	21.977
47.	28.615	34.704	4.48	28.604	21.976
70.	27.072	34.710	4.48	27.056	22.484
95.	25.601	35.104	4.87	25.580	23.244
123.	23.905	35.258	4.70	23.879	23.874
147.	22.568	35.238	4.46	22.538	24.248
172.	19.282	34.927	4.07	19.251	24.902
196.	17.174	34.847	3.83	17.141	25.364
246.	13.743	34.496	3.58	13.708	25.859
295.	11.580	34.300	3.20	11.543	26.132
345.	9.667	34.261	2.87	9.628	26.438
396.	8.662	34.322	1.77	8.620	26.647
496.	7.531	34.438*	0.95	7.482*	26.908*
594.	6.734	34.478	1.09	6.678	27.052
695.	5.996	34.493	1.18	5.934	27.161
792.	5.528	34.501	1.12	5.460	27.226
895.	5.052	34.514	1.14	4.978	27.293
993.	4.624	34.527	1.23	4.544	27.352
1095.	4.229	34.538	1.35	4.143	27.404
1192.	3.841	34.547	1.56	3.750	27.451
1292.	3.563	34.558	1.68	3.467	27.488
1493.	3.035	34.581	0.00	2.927	27.557
1695.	2.665	34.595	2.05	2.545	27.602
1995.	2.233	34.621	2.32	2.093	27.661
2292.	1.967	34.642	2.55	1.806	27.700
2595.	1.804	34.655	2.74	1.619	27.725
2895.	1.699	34.652*	0.00	1.488*	27.740*
3196.	1.589	34.671	3.09	1.351	27.757
3498.	1.533	34.676	3.25	1.266	27.767
3797.	1.500	34.681	3.40	1.203	27.775
4099.	1.468	34.685	3.55	1.139	27.782
4400.	1.438	34.690	3.73	1.076	27.791
4699.	1.416	34.695	3.94	1.020	27.799
4900.	1.414	34.697	4.03	0.995	27.802
5112.	1.416	34.698	4.05	0.971	27.804

CAST CG2-92-VI -065 LAT 28 02.0N LONG 165 00.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	26.100	35.089	4.67	26.098	23.072
22.	26.105	35.088	4.68	26.100	23.071
44.	26.105	35.091	4.68	26.095	23.075
71.	21.595	34.793	5.74	21.581	24.179
93.	17.336	34.739	5.72	17.321	25.238
121.	16.153	34.723	5.03	16.134	25.505
145.	15.901	34.715	4.97	15.878	25.557
169.	15.685	34.701	4.93	15.659	25.596
196.	15.405	34.674	4.85	15.375	25.639
243.	14.934	34.638	4.80	14.897	25.716
296.	14.056	34.546	4.70	14.013	25.834
345.	13.595	34.487	4.70	13.546	25.885
394.	12.509	34.404	4.78	12.456	26.039
494.	10.541	34.235	4.43	10.481	26.272
594.	7.558	34.070	3.91	7.499	26.617
694.	5.620	34.015	3.15	5.561	26.828
793.	4.711	34.091	1.96	4.648	26.994
894.	4.147	34.194	1.26	4.080	27.137
994.	3.679	34.265	0.97	3.607	27.241
1192.	3.105	34.395	0.72	3.022	27.400
1393.	2.688	34.484	0.90	2.593	27.509
1593.	2.344	34.535	1.18	2.236	27.580
1795.	2.109	34.576	1.53	1.988	27.633
2096.	1.870	34.619	2.19	1.728	27.687
2396.	1.727	34.642	2.58	1.561	27.718
2698.	1.630	34.654	2.83	1.439	27.737
2998.	1.566	34.663	3.00	1.348	27.751
3297.	1.524	34.670	0.03	1.278	27.761
3597.	1.497	34.674	3.27	1.221	27.769
3899.	1.477	34.680	3.41	1.170	27.777
4199.	1.462	34.686*	0.00	1.122*	27.785*
4499.	1.456	34.687	3.67	1.082	27.789
4799.	1.460	34.690	3.79	1.051	27.793
5099.	1.466	34.695	3.89	1.021	27.799
5297.	1.476	34.694	3.94	1.006	27.799
5541.	1.487	34.696	4.01	0.986	27.802

\* Calculated from CTD values

CAST CG2-92-VI -067 LAT 14 00.5N LONG 164 59.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	28.816	34.599	4.45	28.814	21.827
22.	28.828	34.606	4.45	28.823	21.830
46.	28.680	34.669	4.46	28.669	21.928
71.	28.014	34.719	4.68	27.997	22.187
96.	26.360	34.688	4.72	26.338	22.695
121.	25.256	35.045	4.64	25.230	23.307
145.	23.090	35.094	4.37	23.060	23.989
169.	21.237	34.982	4.07	21.204	24.426
194.	18.387	34.836	3.88	18.353	25.060
244.	13.970	34.581	4.29	13.935	25.877
295.	10.474	34.298	3.17	10.439	26.329
345.	9.417	34.353	1.94	9.378	26.551
400.	8.324	34.358	1.46	8.282	26.727
495.	7.391	34.479	0.91	7.343	26.961
593.	6.666	34.480	1.16	6.611	27.062
693.	6.087	34.496	1.10	6.025	27.151
793.	5.520	34.504	1.20	5.452	27.228
893.	5.006	34.518	1.19	4.932	27.301
993.	4.673	34.532	1.25	4.593	27.351
1121.	4.227	34.544	1.32	4.139	27.409
1291.	3.645	34.562	1.56	3.548	27.483
1492.	3.091	34.585	1.79	2.983	27.555
1689.	2.618	34.605	2.05	2.499	27.614
1899.	2.278	34.620	2.24	2.146	27.656
2193.	2.041	34.641	2.52	1.887	27.693
2379.	1.898	34.650	2.61	1.730	27.712
2596.	1.804	34.656	2.71	1.619	27.726
3094.	1.699	34.661	2.82	1.497	27.738
3396.	1.609	34.670	3.01	1.381	27.754
3699.	1.534	34.676	3.21	1.278	27.766
3999.	1.494	34.681	3.35	1.207	27.775
4299.	1.461	34.686	3.54	1.143	27.784
4598.	1.439	34.691	3.66	1.089	27.791
4899.	1.420	34.694	3.86	1.036	27.797
5317.	1.408	34.697	4.01	0.989	27.803
	1.395	34.699	4.16	0.925	27.809

CAST CG2-92-VI -068 LAT 12 35.3N LONG 165 22.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	28.943	34.382	4.47	28.942	21.622
6.	28.943	34.381	4.44	28.942	21.621
22.	28.979	34.500	4.44	28.974	21.700
45.	29.058	34.564	4.47	29.047	21.724
71.	27.739	34.709	4.65	27.722	22.268
95.	25.827	34.667	4.79	25.806	22.845
120.	23.074	34.764	4.73	23.049	23.742
146.	18.695	34.870	4.26	18.669	25.007
175.	15.845	34.742	3.72	15.818	25.591
233.	11.782	34.373	3.08	11.752	26.150
294.	9.304	34.403	1.98	9.271	26.607
342.	8.385	34.405	1.52	8.349	26.754
393.	8.216	34.451	1.28	8.175	26.817
493.	7.145	34.489	1.50	7.098	27.003
592.	6.530	34.493	1.67	6.476	27.091
692.	5.924	34.507	1.68	5.863	27.181
794.	5.489	34.519	1.66	5.421	27.245
892.	5.065	34.527	1.68	4.991	27.301
992.	4.605	34.540	1.65	4.525	27.365
1094.	4.243	34.553	1.62	4.157	27.414
1193.	3.832	34.565	1.68	3.741	27.466
1290.	3.454	34.575	1.79	3.359	27.512
1394.	3.127	34.584	1.90	3.027	27.551
1593.	2.696	34.597	2.01	2.584	27.601
1792.	2.454	34.613	2.17	2.328	27.635
1992.	2.188	34.632	2.38	2.049	27.673
2194.	2.022	34.643	2.52	1.869	27.696
2491.	1.864	34.652	2.67	1.687	27.717
2796.	1.747	34.663	2.86	1.544	27.736
3096.	1.650	34.671	3.03	1.421	27.752
3396.	1.562	34.676	3.20	1.305	27.764
3699.	1.504	34.682	3.39	1.217	27.775
3998.	1.455	34.688	3.60	1.137	27.785
4298.	1.431	34.691	3.74	1.081	27.792
4498.	1.425	34.693	3.85	1.052	27.795
4753.	1.428	34.695	3.91	1.026	27.799

CAST CG2-92-VI -069 LAT 10 00.5N LONG 165 00.1E

CAST CG2-92-VI -070 LAT 08 00.2N LONG 165 00.3E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	29.169	34.353	4.46	29.168	21.525	6.	29.510	34.113	4.42	29.509	21.231
21.	29.171	34.357	4.43	29.166	21.528	21.	29.507	34.115	4.44	29.502	21.234
47.	29.150	34.622	4.57	29.139	21.736	47.	29.519	34.130	4.43	29.508	21.243
70.	28.512	34.664	4.70	28.495	21.982	71.	28.771	34.830	4.59	28.754	22.021
97.	26.156	34.846	4.61	26.134	22.877	96.	26.439	34.777	4.44	26.417	22.736
121.	19.650	34.874	4.00	19.628	24.765	121.	20.652	34.797	3.83	20.629	24.441
145.	16.401	34.638	3.22	16.378	25.383	146.	16.463	34.587	2.97	16.440	25.330
171.	13.908	34.471	2.63	13.884	25.803	171.	12.473	34.502	1.86	12.450	26.116
196.	12.008	34.483	2.05	11.983	26.191	196.	11.068	34.549	1.33	11.044	26.417
245.	10.529	34.579	1.00	10.500	26.537	220.	10.500	34.581	1.08	10.474	26.544
294.	9.774	34.612	0.88	9.740	26.693	245.	10.081	34.629	0.94	10.052	26.653
345.	9.386	34.632	0.89	9.347	26.774	295.	9.498	34.633	0.87	9.465	26.755
395.	9.065	34.623	0.78	9.022	26.820	344.	9.156	34.629	0.91	9.118	26.809
496.	8.215	34.595	1.03	8.163	26.931	395.	8.880	34.624	1.00	8.837	26.850
594.	7.438	34.557	1.11	7.379	27.017	495.	8.304	34.595	1.05	8.252	26.918
692.	6.782	34.542	1.03	6.716	27.097	595.	7.447	34.550	1.09	7.388	27.010
794.	6.085	34.539	1.04	6.013	27.187	693.	6.655	34.547	0.93	6.590	27.118
894.	5.544	34.537	1.32	5.466	27.253	795.	5.877	34.538	1.16	5.807	27.212
994.	5.009	34.541	1.46	4.926	27.320	893.	5.260	34.540	1.37	5.184	27.289
1092.	4.503	34.548	1.52	4.415	27.382	992.	4.715	34.550	1.63	4.634	27.360
1189.	4.042	34.560	1.66	3.950	27.442	1092.	4.173	34.561	1.75	4.088	27.428
1294.	3.732	34.569	1.76	3.634	27.480	1293.	3.579	34.578	1.93	3.482	27.502
1492.	3.109	34.591	1.98	3.001	27.559	1493.	3.118	34.595	1.97	3.009	27.561
1694.	2.686	34.610	2.13	2.566	27.612	1692.	2.638	34.599	2.05	2.518	27.608
1995.	2.245	34.633	2.37	2.105	27.669	1890.	2.297	34.626	2.31	2.165	27.659
2293.	2.026	34.649	2.54	1.864	27.701	2191.	1.996	34.645	2.51	1.843	27.700
2596.	1.856	34.659	2.70	1.670	27.724	2493.	1.812	34.657	2.74	1.636	27.725
2895.	1.729	34.667	2.92	1.517	27.742	2794.	1.694	34.664	2.96	1.492	27.741
3195.	1.616	34.674	3.13	1.378	27.757	3095.	1.588	34.672	3.14	1.360	27.757
3497.	1.527	34.682	3.32	1.260	27.772	3396.	1.515	34.678	3.35	1.259	27.769
3797.	1.451	34.686	3.57	1.155	27.782	3698.	1.456	34.684	3.54	1.170	27.780
4099.	1.422	34.690	3.75	1.094	27.790	3998.	1.426	34.688	3.69	1.109	27.787
4375.	1.417	34.692	3.86	1.059	27.794	4299.	1.401	34.692	3.88	1.052	27.795
4701.	1.379	34.698	4.08	0.984	27.804	4598.	1.389	34.696	4.06	1.006	27.800
4899.	1.358	34.702	4.21	0.941	27.810	4899.	1.378	34.701	4.14	0.960	27.808
5139.	1.379	34.702	4.19	0.932	27.811	5262.	1.396	34.702	4.18	0.933	27.810

CAST CG2-92-VI -072 LAT 04 00.1N LONG 165 00.3E

CAST CG2-92-VI -071 LAT 06 00.2N LONG 165 01.1E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	29.539	34.039	4.46	29.538	21.165	7.	29.603	33.959	4.48	29.601	21.083
20.	29.540	34.037	4.49	29.535	21.165	22.	29.577	33.962	4.46	29.572	21.095
46.	29.549	34.182	4.50	29.638	21.238	47.	29.399	34.090	4.52	29.388	21.253
70.	28.928	34.781	4.68	28.911	21.932	72.	27.282	34.765	4.52	27.265	22.458
95.	26.536	34.759	4.25	26.514	22.693	97.	23.804	34.749	4.21	23.784	23.516
120.	22.021	34.756	3.61	21.997	24.035	121.	22.122	34.745	3.62	22.098	23.998
145.	19.029	34.767	3.41	19.003	24.843	146.	19.725	34.791	3.54	19.698	24.683
170.	14.951	34.570	2.78	14.925	25.657	171.	17.026	34.760	3.33	16.998	25.331
196.	12.017	34.515	1.87	11.992	26.215	195.	15.442	34.707	3.16	15.412	25.656
220.	11.090	34.567	1.27	11.063	26.427	221.	13.550	34.607	3.11	13.519	25.984
244.	10.404	34.636	0.93	10.375	26.604	246.	12.000	34.538	2.88	11.968	26.237
269.	9.881	34.630	1.11	9.850	26.689	294.	10.106	34.615	1.16	10.072	26.639
295.	9.452	34.633	1.20	9.419	26.763	346.	8.924	34.610	1.48	8.886	26.831
343.	8.986	34.629	1.31	8.949	26.836	395.	8.470	34.610	1.29	8.428	26.903
394.	8.521	34.625	1.24	8.479	26.906	445.	8.070	34.602	1.08	8.024	26.958
444.	8.073	34.606	1.12	8.027	26.961	495.	7.689	34.586	1.60	7.639	27.002
492.	7.759	34.592	1.01	7.709	26.997	595.	6.873	34.561	1.22	6.817	27.098
591.	6.986	34.567	0.92	6.930	27.088	695.	6.048	34.544	1.44	5.986	27.197
691.	6.244	34.551	0.80	6.181	27.175	794.	5.579	34.543	1.64	5.510	27.252
793.	5.576	34.538	1.22	5.508	27.249	894.	5.089	34.544	1.81	5.015	27.312
892.	5.034	34.542	1.52	4.960	27.317	992.	4.716	34.551	1.86	4.635	27.360
992.	4.624	34.549	1.77	4.544	27.370	1193.	3.928	34.570*	2.16	3.837*	27.461*
1193.	3.985	34.565	1.87	3.893	27.451	1393.	3.435	34.585*	2.05	3.331*	27.523*
1490.	3.096	34.580	1.89	2.988	27.551	1692.	2.687	34.615*	2.23	2.567*	27.617*
1790.	2.528	34.617	2.20	2.402	27.632	1992.	2.197	34.638	2.49	2.058	27.677
2089.	2.122	34.639	2.49	1.976	27.684	2292.	1.899	34.654	2.72	1.739	27.715
2391.	1.907	34.654	2.66	1.738	27.715	2594.	1.757	34.662	2.88	1.573	27.734
2693.	1.775	34.662	2.82	1.581	27.733	2894.	1.676	34.667	3.07	1.465	27.745
2992.	1.683	34.668	3.03	1.463	27.747	3195.	1.596	34.673	3.26	1.358	27.758
3294.	1.592	34.675	3.22	1.344	27.760	3497.	1.518	34.680	3.42	1.252	27.771
3595.	1.508	34.680	3.43	1.232	27.773	3797.	1.468	34.684	0.00	1.172	27.780
3894.	1.457	34.686	3.63	1.151	27.783	4099.	1.476	34.686	3.66	1.147	27.783
4198.	1.418	34.690	3.84	1.080	27.791	4486.	1.413	34.693	3.96	1.042	27.796
4497.	1.399	34.694	3.98	1.027	27.798						
4796.	1.378	34.698	4.14	0.972	27.805						
4939.	1.361	34.700	4.22	0.939	27.809						

\* Calculated from CTD values



CAST CG2-92-VI -074 LAT 01 59.8N LONG 164 59.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	30.048	34.227	4.52	30.046	21.134
20.	29.938	34.223	4.57	29.933	21.169
46.	29.908	34.244	4.57	29.897	21.197
70.	28.127	34.849	4.57	28.110	22.247
96.	24.239	34.951	3.00	24.219	23.541
120.	22.606	34.915	3.00	22.582	23.991
146.	20.905	34.889	3.02	20.877	24.444
170.	18.482	34.940	3.22	18.452	25.115
196.	15.881	34.686	3.39	15.850	25.541
245.	12.685	34.890	2.98	12.652	26.378
344.	11.719	34.841	2.64	11.681	26.527
396.	10.705	34.766	2.22	10.663	26.655
444.	9.872	34.708	2.12	9.826	26.754
495.	9.123	34.655	2.42	9.074	26.837
593.	7.092	34.559	2.08	7.035	27.067
694.	5.975	34.546	1.85	5.913	27.205
792.	5.439	34.539	2.06	5.372	27.266
892.	4.900	34.541	2.25	4.827	27.331
992.	4.603	34.548	2.18	4.523	27.371
1092.	4.274	34.558	2.15	4.188	27.415
1294.	3.619	34.578*	2.16	3.522*	27.499*
1490.	3.139	34.595*	2.28	3.030*	27.559*
1790.	2.537	34.621*	2.46	2.410*	27.635*
1993.	2.268	34.637	2.60	2.128	27.670
2193.	2.104	34.646	2.72	1.949	27.692
2394.	1.900	34.653	2.81	1.731	27.715
2695.	1.782	34.664	2.94	1.588	27.734
2994.	1.669	34.668	3.12	1.449	27.748
3297.	1.583	34.675	0.03	1.335	27.761
3595.	1.524	34.680	3.44	1.247	27.771
3898.	1.461	34.687	3.67	1.154	27.784
4225.	1.324	34.697	4.09	0.985	27.803

CAST CG2-92-VI -073 LAT 03 00.1N LONG 164 59.6E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	29.620	33.908*	4.45	29.619*	21.039*
21.	29.613	33.877	0.00	29.608	21.020
45.	29.469	33.999	4.50	29.458	21.162
70.	27.254	34.684	4.43	27.238	22.406
96.	24.671	34.947	3.53	24.650	23.409
119.	23.398	35.056	3.24	23.373	23.869
144.	21.409	34.979	3.29	21.381	24.375
169.	18.555	34.822	3.36	18.525	25.006
197.	17.358	34.713	3.44	17.325	25.217
220.	14.284	34.642	3.06	14.252	25.858
244.	12.233	34.604	2.91	12.201	26.244
294.	10.884	34.642	2.82	10.848	26.525
343.	10.156	34.654	2.80	10.116	26.662
394.	9.256	34.587	1.84	9.212	26.761
442.	8.742	34.578	1.68	8.694	26.836
491.	8.036	34.566	2.42	7.986	26.936
590.	7.263	34.562	1.55	7.205	27.046
691.	6.494	34.552	1.38	6.430	27.143
890.	5.063	34.547*	1.74	4.989*	27.318*
1190.	3.916	34.570*	1.94	3.825*	27.462*
1692.	2.751	34.609*	2.34	2.630*	27.606*
1992.	2.291	34.631	2.56	2.151	27.664
2294.	2.007	34.649	2.73	1.845	27.702
2594.	1.814	34.659	2.86	1.629	27.727
2895.	1.690	34.667	3.03	1.479	27.745
3196.	1.611	34.672	3.22	1.373	27.756
3498.	1.543	34.679	3.37	1.276	27.768
3797.	1.460	34.684	3.58	1.164	27.781
4099.	1.437	34.690	3.78	1.109	27.789
4278.	1.412	34.693	3.87	1.065	27.794

\* Calculated from CTD values

CAST CG2-92-VI -076 LAT 01 00.0N LONG 164 59.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
8.	30.190	34.521	4.42	30.188	21.306
22.	30.200	34.522	4.42	30.195	21.304
46.	30.214	34.592	4.43	30.203	21.354
72.	27.631	35.072	3.78	27.614	22.577
97.	24.211	35.020	2.85	24.190	23.602
120.	22.309	35.035	2.96	22.285	24.166
146.	20.992	35.122	2.97	20.964	24.598
173.	17.406	34.756	3.37	17.377	25.238
195.	15.372	34.820	3.26	15.342	25.759
221.	14.400	34.782	3.11	14.367	25.941
247.	12.979	34.835	3.11	12.945	26.277
295.	12.294	34.881	3.03	12.255	26.448
344.	10.784	34.776	2.25	10.742	26.648
396.	9.783	34.718	2.24	9.737	26.777
445.	9.133	34.678	1.85	9.084	26.853
496.	8.219	34.625	2.49	8.167	26.955
594.	7.011	34.577	2.24	6.954	27.092
694.	6.190	34.551	1.96	6.127	27.182
794.	5.663	34.539	2.17	5.594	27.240
893.	5.120	34.541	2.17	5.045	27.306
995.	4.675	34.547	2.25	4.595	27.362
1193.	3.897	34.568*	2.19	3.806*	27.463*
1394.	3.343	34.587*	2.19	3.240*	27.533*
1692.	2.632	34.616*	2.48	2.512*	27.622*
1995.	2.257	34.635	2.65	2.117	27.670
2294.	1.969	34.650	2.83	1.808	27.706
2595.	1.810	34.660	2.94	1.625	27.728
2895.	1.684	34.667*	3.09	1.473*	27.745*
3196.	1.592	34.676	3.27	1.354	27.760
3498.	1.530	34.680	3.43	1.263	27.770
3801.	1.464	34.687	3.61	1.167	27.782
4098.	1.371	34.695	3.95	1.045	27.797
4374.	1.332	34.699	4.13	0.976	27.805

CAST CG2-92-VI -075 LAT 01 30.2N LONG 164 59.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
8.	30.142	34.387	4.43	30.140	21.222
23.	30.149	34.390	4.42	30.143	21.222
47.	30.167	34.434	4.43	30.155	21.251
71.	27.394	34.900	4.49	27.378	22.524
97.	23.393	34.986	3.40	23.373	23.816
121.	22.347	35.060	2.86	22.323	24.174
147.	20.752	35.011	3.01	20.724	24.579
177.	18.722	34.766	3.38	18.691	24.922
197.	15.788	34.764	3.28	15.757	25.622
245.	12.780	34.897	3.10	12.747	26.364
296.	11.677	34.826	2.40	11.639	26.522
345.	10.600	34.754	2.15	10.558	26.663
395.	9.991	34.714	2.20	9.945	26.738
445.	8.917	34.651	2.42	8.868	26.866
495.	8.184	34.592	2.48	8.133	26.934
594.	7.011	34.563	1.94	6.954	27.081
695.	6.051	34.540	2.18	5.989	27.191
795.	5.541	34.537	2.25	5.473	27.253
892.	4.951	34.545	2.19	4.878	27.329
993.	4.619	34.551	2.20	4.539	27.372
1093.	4.331	34.559	2.20	4.245	27.409
1293.	3.579	34.576*	0.00	3.482*	27.501*
1292.	3.583	34.580*	2.21	3.486*	27.504*
1692.	2.751	34.610*	2.39	2.630*	27.607*
1994.	2.234	34.635	2.64	2.094	27.671
2293.	1.993	34.648	2.76	1.831	27.703
2593.	1.818	34.659	2.89	1.633	27.727
2895.	1.691	34.666	3.06	1.480	27.744
3197.	1.607	34.669	3.23	1.369	27.754
3499.	1.544	34.676	3.37	1.277	27.766
3796.	1.495	34.681	3.54	1.198	27.776
4098.	1.384	34.695	3.94	1.058	27.796
4308.	1.331	34.698	4.07	0.983	27.804

\* Calculated from CTD values

CAST CG2-92-VI -078 LAT 00 01.4N LONG 164 54.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	30.370	34.747	4.45	30.369	21.412
21.	30.149	34.740	4.45	30.144	21.485
46.	30.137	34.737	4.45	30.126	21.488
69.	30.118	35.003	4.38	30.101	21.696
95.	23.832	35.087	2.97	23.812	23.765
120.	22.601	35.118	2.93	22.577	24.146
145.	21.299	35.259	3.04	21.271	24.618
170.	17.526	35.032	3.23	17.497	25.420
194.	15.042	34.929	3.22	15.013	25.915
246.	13.219	34.869	3.16	13.185	26.255
294.	12.825	34.899	2.97	12.785	26.358
344.	11.187	34.801	1.82	11.144	26.595
394.	10.302	34.729	1.80	10.255	26.697
444.	9.193	34.671	1.59	9.144	26.838
494.	8.825	34.646	2.14	8.771	26.877
592.	7.342	34.574	2.10	7.284	27.043
691.	6.404	34.549	2.02	6.341	27.152
793.	5.657	34.540	2.12	5.588	27.241
891.	5.070	34.541	2.14	4.996	27.312
994.	4.657	34.548	2.06	4.577	27.365
1092.	4.264	34.559	2.10	4.178	27.417
1293.	3.595	34.579*	2.13	3.498*	27.502*
1492.	3.175	34.593*	2.36	3.066*	27.554*
1792.	2.455	34.622*	2.61	2.329*	27.642*
2093.	2.120	34.645	2.68	1.974	27.689
2291.	2.000	34.653	2.79	1.838	27.706
2594.	1.797	34.661	2.94	1.612	27.730
2895.	1.680	34.667	3.09	1.469	27.745
3196.	1.556	34.675	3.31	1.319	27.763
3497.	1.503	34.680	3.44	1.237	27.772
3797.	1.466	34.690	3.55	1.170	27.785
4099.	1.380	34.695	3.91	1.054	27.796
4429.	1.333	34.700	4.12	0.971	27.806

CAST CG2-92-VI -077 LAT 00 30.3N LONG 164 59.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	30.249	34.627	4.41	30.248	21.364
21.	30.226	34.637	4.42	30.221	21.381
48.	30.235	34.693	4.45	30.223	21.422
71.	28.461	35.007	0.04	28.444	22.256
93.	24.000	35.060	2.95	23.980	23.694
121.	22.318	35.137	2.94	22.294	24.240
147.	21.560	35.197	2.93	21.531	24.500
172.	17.577	34.819	3.33	17.548	25.245
197.	15.274	34.809	3.22	15.244	25.772
244.	13.150	34.813	3.10	13.116	26.225
295.	12.439	34.909	3.00	12.399	26.442
341.	11.146	34.798	1.90	11.103	26.600
395.	9.977	34.718	2.26	9.931	26.744
444.	9.199	34.671	1.85	9.150	26.837
492.	8.613	34.632	2.37	8.560	26.900
570.	7.596	34.581	2.66	7.539	27.012
700.	6.435	34.553	2.07	6.370	27.152
793.	5.578	34.537	2.21	5.510	27.248
891.	5.157	34.540	2.15	5.082	27.301
993.	4.673	34.548	2.08	4.593	27.363
1097.	4.260	34.556	2.11	4.174	27.415
1293.	3.583	34.576*	2.18	3.486*	27.501*
1491.	3.128	34.595*	2.41	3.019*	27.560*
1793.	2.469	34.624*	2.58	2.343*	27.642*
2086.	2.152	34.608	2.44	2.006	27.657
2290.	1.994	34.650	2.79	1.833	27.704
2592.	1.813	34.660	2.93	1.628	27.728
2892.	1.687	34.667	3.08	1.476	27.745
3193.	1.566	34.675	3.29	1.329	27.762
3496.	1.530	34.679	3.53	1.263	27.769
3795.	1.488	34.684	3.43	1.191	27.778
4096.	1.395	34.693	3.88	1.068	27.794
4423.	1.338	34.698	4.16	0.977	27.805

\* Calculated from CTD values

CAST CG2-92-VI -079 LAT 00 29.9S LONG 164 59.9E

CAST CG2-92-VI -080 LAT 00 59.5S LONG 164 59.6E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	30.238	34.751	4.43	30.236	21.461	7.	30.235	34.578	4.64	30.223	21.336
22.	30.111	34.795	4.43	30.106	21.539	21.	30.226	34.838	2.96	30.221	21.532
48.	30.096	34.771	4.45	30.084	21.529	43.	30.209	34.783	4.51	30.198	21.498
70.	30.006	34.970	4.44	29.989	21.710	72.	29.988	35.097	3.33	29.180	22.079
96.	24.182	35.085	2.98	24.162	23.659	96.	24.223	35.078	3.01	24.203	23.642
122.	23.392	35.103	2.93	23.367	23.907	121.	23.543	35.161	2.98	23.518	23.907
145.	22.351	35.207	2.99	22.322	24.286	146.	22.364	35.211	3.14	22.335	24.285
172.	18.699	35.183	3.15	18.669	25.247	170.	20.172	35.174	3.15	20.140	24.859
195.	17.135	35.138	3.18	17.103	25.597	195.	18.275	35.212	3.16	18.241	25.376
244.	13.297	34.957	3.20	13.263	26.307	244.	13.233	34.927	3.13	13.199	26.297
296.	12.469	34.892	2.92	12.429	26.423	294.	12.238	34.866	2.61	12.199	26.448
345.	11.387	34.812	2.06	11.343	26.567	343.	11.371	34.797	2.71	11.328	26.558
394.	10.343	34.744	0.02	10.296	26.701	393.	10.162	34.727	2.61	10.116	26.720
444.	9.683	34.699	2.23	9.632	26.779	442.	9.736	34.704	2.68	9.685	26.775
494.	9.025	34.657	2.01	8.971	26.855	493.	9.028	34.638	2.27	8.974	26.839
593.	7.232	34.572	2.14	7.174	27.058	592.	7.127	34.563	2.07	7.070	27.065
692.	6.246	34.545	2.12	6.183	27.170	698.	6.213	34.540	2.25	6.150	27.170
795.	5.518	34.538	2.17	5.450	27.256	793.	5.587	34.539	2.11	5.519	27.249
893.	5.115	34.537	2.28	5.040	27.304	892.	5.043	34.538	2.28	4.969	27.313
994.	4.660	34.546	2.15	4.580	27.363	993.	4.524	34.549	2.16	4.445	27.380
1094.	4.234	34.557	2.09	4.148	27.418	1093.	4.217	34.559	2.15	4.132	27.422
1294.	3.575	34.580*	2.12	3.478*	27.505*	1292.	3.507	34.577*	2.21	3.411*	27.509*
1494.	2.980	34.595*	2.44	2.873*	27.573*	1591.	2.752	34.606*	2.44	2.639*	27.603*
1793.	2.461	34.622*	2.56	2.335*	27.642*	1893.	2.317	34.632*	2.63	2.185*	27.662*
1992.	2.225	34.632	2.62	2.086	27.670	2093.	2.107	34.642	2.72	1.961	27.688
2294.	1.973	34.651	2.82	1.812	27.706	2293.	1.961	34.650	2.82	1.800	27.707
2595.	1.776	34.660	2.95	1.591	27.731	2594.	1.802	34.661	2.95	1.617	27.729
2895.	1.682	34.666	3.07	1.471	27.744	2896.	1.690	34.667	3.08	1.479	27.744
3195.	1.577	34.675	3.27	1.340	27.761	3189.	1.590	34.673	3.27	1.353	27.758
3497.	1.518	34.680	3.44	1.252	27.771	3498.	1.530	34.679	3.41	1.263	27.769
3797.	1.453	34.687	3.65	1.157	27.783	3797.	1.460	34.686	3.64	1.164	27.782
4099.	1.410	34.693	3.86	1.083	27.793	4095.	1.394	34.693	3.90	1.068	27.794
4481.	1.342	34.699	4.12	0.974	27.805	4483.	1.343	34.699	4.12	0.975	27.805

\* Calculated from CTD values

CAST CG2-92-VI -082 LAT 01 59.8S LONG 164 55.5E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
7.	30.361	34.735	4.57	30.359	21.407
22.	30.361	34.741	4.64	30.355	21.413
46.	30.371	34.907	4.55	30.359	21.535
72.	29.692	35.172	4.77	29.674	21.968
97.	24.966	35.207	3.67	24.945	23.516
121.	23.568	35.197	3.14	23.543	23.927
146.	22.628	35.296	3.14	22.598	24.275
171.	21.267	35.398	3.15	21.234	24.734
197.	16.213	35.269	3.12	16.181	25.914
246.	12.795	34.931	3.10	12.761	26.388
296.	11.732	34.841	2.48	11.694	26.524
345.	10.829	34.783	2.06	10.787	26.645
395.	10.071	34.741	2.39	10.025	26.746
443.	9.165	34.685	2.62	9.116	26.853
494.	8.311	34.641	2.73	8.259	26.953
595.	7.128	34.563	2.60	7.070	27.065
693.	6.377	34.539	2.49	6.313	27.148
793.	5.614	34.532	2.37	5.545	27.239
896.	5.015	34.537	2.15	4.941	27.315
991.	4.582	34.543	2.19	4.503	27.369
1093.	4.189	34.552	2.27	4.104	27.419
1293.	3.605	34.578*	2.30	3.508*	27.500*
1492.	2.994	34.598*	2.53	2.887*	27.574*
1791.	2.473	34.620*	2.68	2.347*	27.639*
2094.	2.113	34.644	2.81	1.967	27.689
2395.	1.890	34.654	2.89	1.721	27.716
2696.	1.754	34.662	3.02	1.560	27.735
2994.	1.640	34.670	3.16	1.421	27.751
3297.	1.563	34.676	3.34	1.316	27.763
3599.	1.515	34.681	3.48	1.238	27.773
3899.	1.444	34.688	3.73	1.137	27.785
4200.	1.410	34.692	3.90	1.072	27.793
4519.	1.350	34.700	4.10	0.977	27.806

CAST CG2-92-VI -081 LAT 01 29.9S LONG 164 59.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
6.	30.284	34.514	4.46	30.283	21.268
22.	30.263	34.599	4.43	30.258	21.340
46.	30.155	34.870	4.54	30.144	21.582
71.	29.104	35.290	4.26	29.087	22.255
96.	25.194	35.092	3.13	25.173	23.360
121.	24.036	35.181	3.09	24.010	23.777
147.	22.894	35.244	3.14	22.864	24.160
170.	20.255	35.245	3.15	20.223	24.891
195.	17.920	35.099	3.24	17.887	25.377
243.	13.184	34.918	3.12	13.150	26.300
294.	12.203	34.859	2.58	12.164	26.448
347.	10.853	34.777	2.16	10.810	26.636
393.	10.243	34.748	2.25	10.196	26.722
443.	9.692	34.712	2.49	9.641	26.788
492.	8.756	34.644	2.53	8.703	26.887
593.	7.004	34.566	2.06	6.947	27.084
692.	6.192	34.544	2.18	6.130	27.176
793.	5.618	34.537	2.21	5.549	27.243
893.	5.077	34.533	2.40	5.003	27.305
994.	4.583	34.542	2.28	4.503	27.369
1095.	4.150	34.551	2.33	4.065	27.422
1293.	3.425	34.583*	2.24	3.330*	27.521*
1492.	3.026	34.597*	2.53	2.918*	27.570*
1793.	2.498	34.623*	2.63	2.372*	27.639*
2095.	2.154	34.643	2.72	2.007	27.685
2395.	1.897	34.654	0.00	1.728	27.716
2695.	1.758	34.662	3.00	1.564	27.735
2997.	1.653	34.670	3.15	1.433	27.750
3295.	1.563	34.677	3.34	1.316	27.764
3597.	1.510	34.682	3.51	1.234	27.774
3897.	1.437	34.689	3.75	1.131	27.787
4196.	1.368	34.695	4.01	1.031	27.799
4498.	1.347	34.699	4.13	0.977	27.805

\* Calculated from CTD values

CAST CG2-92-VI -084 LAT 03 11.4S LONG 164 43.6E

CAST CG2-92-VI -083 LAT 02 47.8S LONG 164 54.8E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
4.	30.102	34.868	2.89	30.101	21.595	7.	30.226	34.779	4.64	30.224	21.487
21.	30.106	34.691	4.43	30.101	21.463	21.	30.193	34.784	4.47	30.188	21.502
46.	30.115	34.979	3.24	30.104	21.677	47.	30.047	34.999	4.56	30.035	21.715
69.	29.776	35.112	3.20	29.759	21.894	72.	29.401	35.071	4.52	29.383	21.991
96.	28.538	35.273	4.07	28.515	22.433	97.	27.664	35.201	0.00	27.641	22.665
119.	24.768	35.084	3.17	24.742	23.485	121.	25.302	35.129	3.24	25.276	23.357
144.	24.356	35.260	3.15	24.325	23.743	146.	24.417	35.368	3.08	24.386	23.807
170.	22.542	35.541	3.00	22.508	24.486	169.	23.070	35.585	2.86	23.035	24.369
193.	17.339	35.340	2.87	17.307	25.703	196.	18.915	35.442	2.78	18.880	25.391
235.	12.297	34.921	3.04	12.266	26.477	246.	15.007	35.098	2.45	14.970	26.055
293.	11.108	34.803	2.21	11.072	26.610	296.	11.771	34.876	3.09	11.733	26.544
343.	10.594	34.765*	0.00	10.553*	26.673*	345.	10.306	34.764	1.95	10.265	26.723
392.	10.022	34.724	2.99	9.976	26.741	393.	9.605	34.717	2.32	9.560	26.805
442.	9.002	34.663	2.53	8.953	26.862	445.	8.707	34.664	2.19	8.659	26.910
492.	8.298	34.625	2.37	8.246	26.942	496.	7.942	34.608	2.29	7.891	26.982
590.	6.921	34.572	2.41	6.865	27.100	591.	6.850	34.556	2.61	6.794	27.097
689.	6.200	34.538	2.41	6.138	27.170	693.	6.034	34.545	1.89	5.972	27.197
791.	5.451	34.535	2.19	5.384	27.262	793.	5.353	34.540	1.96	5.286	27.277
891.	5.016	34.540	2.16	4.942	27.317	892.	4.916	34.541	2.01	4.843	27.329
991.	4.630	34.548	2.04	4.550	27.368	992.	4.521	34.547	2.12	4.442	27.379
1090.	4.303	34.553	2.13	4.217	27.408	1095.	4.259	34.554	2.14	4.167	27.414
1190.	3.943	34.565*	2.19	3.852*	27.456*	1394.	3.329	34.585*	2.40	3.226*	27.533*
1391.	3.256	34.595*	2.44	3.154*	27.547*	1695.	2.585	34.616*	2.74	2.466*	27.625*
1591.	2.819	34.606*	2.60	2.706*	27.597*	1993.	2.165	34.639*	2.85	2.027*	27.681*
1789.	2.453	34.625	2.66	2.328	27.645	2193.	1.973	34.648	2.92	1.820	27.704
1990.	2.191	34.642	2.77	2.052	27.681	2395.	1.837	34.660	3.04	1.669	27.725
2190.	1.981	34.651	2.91	1.829	27.706	2592.	1.785	34.661	3.00	1.600	27.731
2393.	1.841	34.658	2.93	1.673	27.723	2793.	1.719	34.666	3.08	1.517	27.741
2591.	1.786	34.661	2.95	1.601	27.731	2996.	1.626	34.670	3.12	1.407	27.752
2794.	1.703	34.666	3.10	1.501	27.742	3196.	1.573	34.674	3.30	1.336	27.760
2994.	1.639	34.670	3.14	1.420	27.751	3400.	1.514	34.680	3.44	1.258	27.771
3172.	1.581	34.674	3.28	1.346	27.760	3597.	1.483	34.682	3.55	1.207	27.776
3274.	1.574	34.676	3.29	1.329	27.762	3780.	1.477	34.686	3.59	1.182	27.780

\* Calculated from CTD values

CAST CG2-92-VI -085 LAT 03 34.3S LONG 164 32.4E										CAST CG2-92-VI -086 LAT 03 58.5S LONG 164 21.5E									
PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)		
7.	30.159	34.705	4.49	30.157	21.453	7.	30.160	34.774*	4.44	30.158*	21.505*								
21.	30.173	34.692	4.43	30.168	21.441	22.	30.163	34.778	4.39	30.158	21.509								
46.	30.182	34.711	4.44	30.171	21.453	47.	30.172	34.803	4.42	30.160	21.526								
70.	30.047	35.118	4.55	30.030	21.807	68.	29.320	35.212	4.25	29.303	22.124								
96.	28.392	35.287	4.12	28.369	22.492	97.	27.446	35.144	3.71	27.423	22.693								
120.	26.461	35.149	3.68	26.434	23.012	122.	25.375	35.333	2.96	25.348	23.488								
146.	24.187	35.232	3.15	24.156	23.772	146.	24.587	35.408	2.91	24.556	23.786								
170.	22.179	35.580	2.77	22.145	24.619	172.	21.300	35.615	2.61	21.267	24.890								
197.	19.602	35.671	2.57	19.566	25.389	196.	18.150	35.488	2.49	18.116	25.618								
245.	13.692	35.179	2.11	13.657	26.398	221.	14.914	35.195	2.11	14.881	26.149								
296.	10.713	34.863	2.05	10.677	26.727	247.	12.627	35.010	2.42	12.594	26.482								
344.	9.689	34.772	2.16	9.650	26.834	295.	10.328	34.771	2.44	10.293	26.723								
391.	9.048	34.708	2.36	9.005	26.889	345.	9.805	34.725	2.31	9.765	26.778								
444.	8.366	34.658	2.24	8.319	26.957	396.	9.185	34.676	1.98	9.141	26.642								
493.	7.964	34.623	2.43	7.914	26.991	444.	8.372	34.626	2.48	8.325	26.931								
594.	6.628	34.552	2.66	6.573	27.124	496.	7.886	34.604	2.34	7.836	26.988								
693.	6.001	34.549	1.81	5.939	27.204	593.	6.978	34.556	2.52	6.921	27.080								
793.	5.415	34.538	2.10	5.348	27.268	694.	6.191	34.549*	1.89	6.128*	27.180*								
894.	4.942	34.538	2.24	4.869	27.324	793.	5.586	34.537*	2.16	5.518*	27.247*								
993.	4.565	34.546	2.16	4.486	27.373	895.	4.983	34.541*	2.06	4.909*	27.322*								
1093.	4.124	34.553	2.27	4.039	27.427	992.	4.519	34.544	2.28	4.440	27.377								
1193.	3.948	34.561*	2.53	3.856*	27.452*	1093.	4.213	34.554	2.23	4.128	27.418								
1390.	3.473	34.576*	2.31	3.369*	27.512*	1193.	3.968	34.560	2.25	3.876	27.449								
1591.	2.905	34.599*	2.68	2.791*	27.584*	1395.	3.379	34.576	2.56	3.276	27.521								
1791.	2.452	34.595	2.56	2.327	27.621	1593.	2.910	34.597	2.67	2.795	27.582								
1997.	2.157	34.639	2.87	2.018	27.681	1794.	2.491	34.621	2.76	2.365	27.638								
2191.	1.999	34.647	2.92	1.846	27.701	1996.	2.185	34.638	2.83	2.046	27.678								
2393.	1.849	34.657	2.99	1.681	27.722	2086.	2.076	34.645	2.89	1.931	27.693								
2596.	1.758	34.663	3.03	1.573	27.734	2221.	1.930	34.653	2.96	1.776	27.711								
2793.	1.700	34.666	3.10	1.498	27.742														
2996.	1.633	34.670	3.19	1.414	27.752														
3198.	1.592	34.674	3.27	1.354	27.759														
3286.	1.556	34.678	0.00	1.310	27.766														

\* Calculated from CTD values

CAST CG2-92-VI -087 LAT 04 21.6S LONG 164 10.4E

CAST CG2-92-VI -088 LAT 04 44.9S LONG 164 00.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)	PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH (KG/M3)
8.	30.111	34.726*	4.40	30.109*	21.486*	69.	30.010	34.960*	4.77	29.993*	21.701*
22.	30.134	34.726	4.40	30.129	21.479	94.	28.705	35.100	4.52	28.682	22.248
46.	30.149	34.727	0.00	30.138	21.477	120.	26.669	35.297	3.44	26.642	23.057
72.	30.090	35.040	4.49	30.072	21.734	143.	25.340	35.513	2.89	25.309	23.636
97.	27.963	35.173	3.68	27.940	22.547	168.	22.819	35.846	2.69	22.785	24.639
121.	26.544	35.421	2.91	26.517	23.191	194.	18.862	35.550*	0.00	18.827*	25.487*
146.	25.136	35.723	2.67	25.104	23.858	219.	15.558	35.292	2.22	15.524	26.082
170.	20.956	35.612	2.58	20.923	24.982	243.	13.597	35.138	0.00	13.562	26.386
195.	16.556	35.594	2.47	16.524	26.084	293.	10.974	34.856	1.99	10.938	26.675
221.	13.867	35.234	2.50	13.835	26.404	343.	9.713	34.748	2.05	9.674	26.811
245.	12.527	35.030	2.64	12.494	26.518	393.	9.129	34.689	2.03	9.086	26.861
296.	10.482	34.804	2.28	10.447	26.722	442.	8.623	34.663	1.84	8.576	26.922
346.	9.591	34.716	2.56	9.552	26.806	492.	8.125	34.623	2.11	8.074	26.967
395.	8.873	34.665	2.58	8.830	26.883	591.	7.399	34.586	1.90	7.341	27.045
446.	8.448	34.638	2.38	8.401	26.929	693.	6.517	34.556	1.93	6.453	27.143
495.	7.968	34.608	2.10	7.917	26.978	790.	5.600	34.521*	2.74	5.532*	27.233*
594.	6.989	34.557	2.41	6.932	27.080	893.	5.164	34.520*	2.75	5.089*	27.285*
695.	6.300	34.551*	1.97	6.237*	27.167*	991.	4.776	34.528*	2.70	4.695*	27.336*
794.	5.526	34.532*	2.26	5.458*	27.250*	1091.	4.375	34.540	2.63	4.289	27.390
893.	5.043	34.537*	2.17	4.969*	27.312*	1191.	3.933	34.553	2.65	3.842	27.447
994.	4.684	34.541	2.27	4.604	27.357	1393.	3.311	34.582	2.57	3.209	27.532
1093.	4.366	34.547	2.22	4.279	27.396	1593.	2.783	34.605*	0.00	2.670*	27.599*
1194.	3.965	34.555	2.53	3.873	27.446	1701.	2.639	34.612	2.75	2.519	27.618
1393.	3.295	34.577	2.65	3.193	27.530	1836.	2.458	34.624	2.80	2.329	27.644
1591.	2.765	34.604	2.70	2.652	27.601	1836.	2.458	34.625	0.00	2.329	27.644
1793.	2.405	34.628	2.79	2.280	27.651	1836.	2.458	34.626	0.00	2.329	27.645
1995.	2.191	34.640	2.87	2.052	27.679	1836.	2.458	34.619	0.00	2.329	27.640
2195.	2.027	34.650	2.93	1.873	27.702						
2388.	1.880	34.658	2.99	1.712	27.720						

\* Calculated from CTD values