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CTD/O_2 MEASUREMENTS COLLECTED ON A CLIMATE AND GLOBAL CHANGE CRUISE (WOCE SECTION P18) ALONG 110°W DURING JANUARY-APRIL, 1994

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CTD/O_2 Measurements Collected on a Climate and Global Change Cruise (WOCE Section P18) Along 110°W During January–April, 1994

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ABSTRACT. Summaries of CTD/O_2 measurements and hydrographic data acquired on a Climate and Global Change cruise during the spring of 1994 aboard the NOAA ship *Discoverer* are presented. The majority of these data were collected along WOCE section P18 from 67°S, 103°W to 23°N, 110°W. Also presented are data collected at the East Blanco Depression (44°12′W, 129°42′W) during the transit from Seattle to Punta Arenas, Chile. Data acquisition and processing systems are described and calibration procedures are documented. Station location, meteorological conditions, CTD/O_2 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

The long-term objective of the Climate and Global Change Program is to provide reliable predictions of climate change and associated regional implications on time scales ranging from seasons to a century or more. In support of NOAA's Climate Program, PMEL scientists have been measuring the growing burden of greenhouse gases in the Pacific Ocean and the overlying atmosphere since 1980. The NOAA Office of Global Programs (OGP) sponsored Ocean Tracers and Hydrography Program and Ocean-Atmosphere Carbon Exchange Study (OACES) studies ocean circulation, mixing processes, and the rate at which CO_2 and chlorofluorocarbons (CFCs) are taken up and released by the oceans. Work on this cruise was cooperative with the World Ocean Circulation Experiment (WOCE) and the U.S. Joint Global Ocean Flux Study (JGOFS). The research was designed to (1) describe water properties and relate them to circulation processes throughout the water column in the eastern Pacific Ocean; (2) determine the sources and sinks of carbon dioxide along 103°–110°W; (3) study the invasion of CFCs into the ocean; and (4) provide a high quality set of baseline measurements for the continuing evaluation of changes in ocean content of dissolved gases, water properties, and circulation. This section fills a gap in the eastern Pacific between WOCE Hydrographic Programme (WHP) meridional sections P19 (along 90°W) and P17 (along 135°W). The southern end of this section intersects WHP S4, an E–W section along 67°S occupied in 1992.

During the transit (leg 1) from Seattle, Washington, to Punta Arenas, Chile, a test station was occupied in the Puget Sound to evaluate the CTD/rosette system. This profile was not processed and is not included in this data report. In response to significant volcanic activity detected by the VENTS monitoring system at the East Blanco Depression (44°12′N, 129°42′W), six stations were occupied in this area during leg 1. The NOAA/PMEL VENTS program focuses research on determining the oceanic impacts and consequences of submarine hydrothermal venting. This event was particularly

interesting as the area is a pull-apart basin in a transform zone, possibly the site of early ridge formation.

Occupation of WOCE section P18 began with station 10 of leg 2, after two test casts were completed en route to 67°S, 103°W from Punta Arenas, Chile. Seventy-eight full water column hydrographic stations were occupied east of the Pacific Rise along 103°W from 67°S to 27°S. Stations were spaced at 30-nm intervals except from 58°30′S to 48°S, where spacing was increased to 40-nm intervals to make up time lost from bad weather and winch level wind problems. Features sampled during leg 2 included the Polar and Subantarctic Fronts of the Antarctic Circumpolar Current, the Subtropical Front, the Subantarctic Mode Water, the Antarctic Intermediate Water, the Circumpolar Deep Water spreading to the northern reaches of the Southeast Pacific Basin, and currents along the Sala y Gomez Fracture Zone.

During leg 3, stations continued northward along 103°W to 10°S at 30-nm intervals. The section turned northwestward from 10°S to 5°S with 40-nm station spacing to cross the East Pacific Rise in a perpendicular fashion. The 30-nm spacing was resumed from 5°S to 3°S northward along 110°20′W. From 3°S to 3°N, stations were occupied every 20 nm along the same longitude. From 3°N to 22°30′N, stations were occupied at 30-nm intervals, except from 12°N to 16°N, where the spacing was again increased to 40 nm to make up time lost to winch level wind problems. A gradual shift in the longitude from 110°20′W to 110°W was made between 8°N and 10°N. North of 22°30′N, station spacing was reduced to as little as 3 nm over the rapidly shoaling bathymetry approaching Cabo San Lucas. The line was completed in 200 m of water at 22°51′N, 110°W. During leg 3, 107 full water column hydrographic stations were occupied sampling the deep waters of the Bauer Basin, currents associated with the flanks of the East Pacific Rise, tropical water masses and currents over the full water column, the northern mid-depth helium-3 plume, and the oxygen-depleted layer of the tropical Eastern Pacific.

Full water column CTD/O_2 profiles were collected at all stations. Lowered Acoustic Doppler Current Profiler (ADCP) measurements were also collected on most casts. In addition, underway salinity, temperature, and CO_2 measurements were taken along the cruise track. Shallow productivity casts were made daily, ALACE floats were launched at predetermined locations, and XCTDs were successfully dropped in a high-resolution survey from 1°N to 9°30′N. Water samples were analyzed for a suite of anthropogenic and natural tracers including salinity, dissolved oxygen, inorganic nutrients, CFCs, pCO_2, total CO_2, pH, total alkalinity, helium, tritium, C-13, C-14, O-18, dissolved organic carbon, and dissolved organic nitrogen. Samples were collected from productivity casts for chlorophyll and primary productivity. Figure 1 shows station locations. Table 1 provides a summary of cast information.

2. STANDARDS AND PRE-CRUISE CALIBRATIONS

The CTD/O_2 system is a real-time data system with the CTD/O_2 data from a Sea-Bird Electronics, Inc. (SBE) 9plus underwater unit transmitted via a conducting cable to the SBE 11plus deck unit. The serial data from the underwater unit is sent to the deck unit in RS-232 NRZ format

using a 34,560-Hz carrier-modulated differential-phase-shift-keying (DPSK) telemetry link. The deck unit decodes the serial data and sends it to a personal computer for display and storage in a disk file using Sea-Bird SEASOFT software.

The SBE 911plus system transmits data from primary and auxiliary sensors in the form of binary number equivalents of the frequency or voltage outputs from those sensors. The calculations required to convert from raw data to engineering units of the parameters being measured are performed by software, either in real time, or after the data has been stored in a disk file.

The SBE 911plus system is electrically and mechanically compatible with standard unmodified rosette water samplers made by General Oceanics (GO), including the 1016 36-position sampler. An optional modem and rosette interface allows the 911plus system to control the operation of the rosette directly without interrupting the data from the CTD, eliminating the need for a rosette deck unit.

The SBE 9plus underwater unit uses Sea-Bird's standard modular temperature (SBE 3) and conductivity (SBE 4) sensors which are mounted with a single clamp and "L" bracket to the lower end cap. The conductivity cell entrance is co-planar with the tip of the temperature sensor's protective steel sheath. The pressure sensor is mounted inside the underwater unit main housing and is ported to outside pressure through the oil-filled plastic capillary tube seen protruding from the main housing bottom end cap. A compact, modular unit consisting of a centrifugal pump head and a brushless DC ball-bearing motor contained in an aluminum underwater housing pump flushes water through sensor tubing at a constant rate independent of the CTD's motion. This improves dynamic performance. Motor speed and pumping rate (3000 rpm) remain nearly constant over the entire input voltage range of 12–18 volts DC.

The SBE 11plus deck unit is a rack-mountable interface which supplies DC power to the underwater unit, decodes the serial data stream, formats the data under microprocessor control, and passes the data to a companion computer. It provides access to the modem channel and control of the rosette interface. Output data is in RS-232 (serial) format.

2.1 Conductivity

The flow-through conductivity-sensing element is a glass tube (cell) with three platinum electrodes. The resistance measured between the center electrode and end electrode pair is determined by the cell geometry and the specific conductance of the fluid within the cell, and controls the output frequency of a Wien Bridge circuit. The sensor has a frequency output of approximately 3 to 12 kHz, corresponding to conductivity from 0 to 7 S m^{-1} (0 to 70 mmho cm^{-1}). The SBE 4 has a typical accuracy/stability of ±0.0003 S m^{-1} mo^{-1}, resolution of 0.00004 S m^{-1} at 24 samples per second; and 6800-m anodized aluminum housing depth rating.

Pre-cruise sensor calibrations were performed at Sea-Bird Electronics, Inc. in Bellevue, Washington. The following coefficients were entered into SEASOFT using software module SEACON:

S/N 1177 September 22, 1993	S/N 1247 January 21, 1994
$a = 2.28847772 \times 10^{-5}$	$a = 1.76162580 \times 10^{-5}$
$b = 5.58250114 \times 10^{-1}$	$b = 5.50791410 \times 10^{-1}$
$c = -4.14341657$	$c = -4.07804361$
$d = -9.59251789 \times 10^{-5}$	$d = -9.32262258 \times 10^{-6}$
$m = 4.1$	$m = 4.2$

Conductivity calibration certificates show an equation containing the appropriate pressure-dependent correction term to account for the effect of hydrostatic loading (pressure) on the conductivity cell:

$$C\ (S/m) = (af^{m} + bf^{2} + c + dt)\ /\ [10\ (1 - 9.57 \times 10^{-8}\ p)]$$

where a, b, c, d, and m are the calibration coefficients above, f is the instrument frequency (kHz), t is the water temperature (°C), and p is the water pressure (dbar). SEASOFT automatically implements this equation.

2.2 Temperature

The temperature-sensing element is a glass-coated thermistor bead, pressure-protected by a stainless steel tube. The sensor output frequency ranges from approximately 5 to 13 kHz, corresponding to temperature from –5 to 35 °C. The output frequency is inversely proportional to the square root of the thermistor resistance, which controls the output of a patented Wien Bridge circuit. The thermistor resistance is exponentially related to temperature. The SBE 3 thermometer has a typical accuracy/stability of ±0.004 °C per year, and resolution of 0.0003 °C at 24 samples per second. The SBE 3 thermometer has a fast response time of 70 ms. Its anodized aluminum housing allows a depth rating of 6800 m.

Pre-cruise sensor calibrations were performed at Sea-Bird Electronics, Inc. in Bellevue, Washington. The following coefficients were entered into SEASOFT using software module SEACON:

S/N 1455 January 13, 1994	S/N 1461 February 11, 1994
$a = 3.68103063 \times 10^{-3}$	$a = 3.68110418 \times 10^{-3}$
$b = 6.03073078 \times 10^{-4}$	$b = 6.00486851 \times 10^{-4}$
$c = 1.51707342 \times 10^{-5}$	$c = 1.48701147 \times 10^{-5}$
$d = 2.20648879 \times 10^{-6}$	$d = 1.99797919 \times 10^{-6}$
$f0 = 6228.23$	$f0 = 6212.56$

Temperature (IPTS-68) is computed according to

$$T\,(°\mathrm{C}) = 1/\{a + b\,[\ln(f0/f)] + c\,[\ln^2(f0/f)] + d\,[\ln^3(f0/f)]\} - 273.15$$

where a, b, c, d, and $f0$ are the calibration coefficients above and f is the instrument frequency (kHz). SEASOFT automatically implements this equation.

2.3 Pressure

The Paroscientific series 4000 Digiquartz high pressure transducer uses a quartz crystal resonator, whose frequency of oscillation varies with pressure-induced stress, to measure changes in pressure as small as 0.01 parts per million, with an absolute range of 0 to 10,000 psia (0 to 6885 dbar). Also, a quartz crystal temperature signal is used to compensate for a wide range of temperature changes. Repeatability, hysteresis, and pressure conformance are 0.005% FS. The nominal pressure frequency (0 to full scale) is 34 to 38 kHz. The nominal temperature frequency is 172 kHz + 50 ppm $°\mathrm{C}^{-1}$.

pre-cruise sensor calibrations were performed at Sea-Bird Electronics, Inc. in Bellevue, Washington. The following coefficients were entered into SEASOFT using software module SEACON:

S/N 53960 August 4, 1993	S/N 53586 October 29, 1993
$c1 = -43150.48$	$c1 = -39204.51$
$c2 = 4.54280 \times 10^{-1}$	$c2 = 6.23456 \times 10^{-1}$
$c3 = 1.34438 \times 10^{-2}$	$c3 = 1.35057 \times 10^{-2}$
$d1 = 0.037952$	$d1 = 0.038943$
$d2 = 0.0$	$d2 = 0.0$
$t1 = 30.34230$	$t1 = 30.46303$
$t2 = -1.80938 \times 10^{-4}$	$t2 = -9.018862 \times 10^{-5}$
$t3 = 4.61615 \times 10^{-6}$	$t3 = 4.52889 \times 10^{-6}$
$t4 = 2.08422 \times 10^{-9}$	$t4 = 3.30959 \times 10^{-9}$
$t5 = 0.0$	$t5 = 0.0$

Pressure coefficients are first formulated into

$$c = c1 + c2*U + c3*U^2$$
$$d = d1 + d2*U$$
$$t0 = t1 + t2*U + t3*U^2 + t4*U^3 + t5*U^4$$

where U is temperature in degrees Celsius. Then pressure is computed according to

$$P\,(\mathrm{psia}) = c * [1 - (t0^2/t^2)] * \{1 - d\,[1 - (t0^2/t^2)]\}$$

where t is pressure period (μs). SEASOFT automatically implements this equation.

2.4 Oxygen

The SBE 13 dissolved oxygen sensor uses a Beckman polarographic element to provide in situ measurements at depths up to 6800 m. This auxiliary sensor is also included in the path of pumped sea water. Oxygen sensors determine the dissolved oxygen concentration by counting the number of oxygen molecules per second (flux) that diffuse through a membrane. By knowing the flux of oxygen and the geometry of the diffusion path, the concentration of oxygen can be computed. The permeability of the membrane to oxygen is a function of temperature and ambient pressure. The interface electronics outputs voltages proportional to membrane current (oxygen current) and membrane temperature (oxygen temperature). Oxygen temperature is used for internal temperature compensation. Computation of dissolved oxygen in engineering units is done in the software. The range for dissolved oxygen is 0 to 15 ml L^{-1}; accuracy is 0.1 ml L^{-1}; resolution is 0.01 ml L^{-1}. Response times are 2 s at 25 °C and 5 s at 0 °C.

The following oxygen calibrations were entered into SEASOFT using SEACON:

S/N 130309 September 7, 1993
$m = 2.4544 \times 10^{-7}$
$b = -4.663 \times 10^{-10}$
$k = 8.9224$
$c = -6.9788$

The use of these constants in linear equations of the form $I = mV + b$ and $T = kV + c$ will yield sensor membrane current and temperature (with a maximum error of about 0.5 °C) as a function of sensor output voltage. These scaled values of oxygen current and oxygen temperature were carried through the SEASOFT processing stream unaltered.

3. DATA ACQUISITION

CTD/O_2 measurements were made using one of two Seabird 9plus CTDs, each equipped with a fixed pumped temperature-conductivity (TC) sensor pair. A mobile pumped TC pair with dissolved oxygen sensor was mounted on whichever CTD was in use, so that dual TC measurements and dissolved oxygen measurements were always collected. The TC pairs were monitored for calibration drift and shifts by examining the differences between the two pairs on each CTD and comparing CTD salinities with bottle salinity measurements.

PMEL's Sea-Bird 9plus CTD/O2 S/N 09P8431-0315 (sampling rate 24 Hz) was mounted in a 36-position frame and employed as the primary package. Auxiliary sensors included a lowered ADCP, Metrox load cell, Benthos altimeter, and SeaTech transmissometer. Water samples were collected using a General Oceanics 36-bottle rosette and 10-liter Nisken bottles. The primary package was used for the majority of 194 casts.

PMEL's Sea-Bird 9plus CTD/O2 S/N 329053-0209 (sampling rate 24 Hz) was mounted in a 24-position frame and employed as the backup package. Auxiliary sensors included a Metrox load

cell and Benthos altimeter. Water samples were collected using a Sea-Bird 24-bottle rosette, and 4-liter Niskin bottles. There were 29 bad weather stations made using the smaller backup package.

The package entered the water from the stern of the ship and was held 5–20 m beneath the surface for one minute in order to activate the pump and attach tag lines for package recovery. Under ideal conditions the package was lowered at a rate of 30 m min^{-1} to 50 m, 45 m min^{-1} to 200 m, and 60 m min^{-1} to depth. Ship roll often caused substantial variation about these mean lowering rates, especially at southern ocean stations. Load cell values were monitored in real time during each cast. 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 during the bottom 1000 m of the cast. Fig. 2 shows the depths of bottle closures during the upcast.

Upon completion of the cast, sensors were flushed with deionized water and stored with a dilute Triton-X solution in the plumbing. Niskin bottles were sampled for salinity, dissolved oxygen, inorganic nutrients, CFCs, total CO_2, pCO_2, pH, C-13, C-14, O-18, helium, tritium, total alkalinity, dissolved organic carbon, and dissolved organic nitrogen. Sample protocols conformed to those specified by the WOCE Hydrographic Programme.

A Sea-Bird 11plus deck unit received the data signal from the CTD. The analog data stream was recorded onto video cassette tape as a backup. Digitized data were forwarded to a 286-AT personal computer equipped with SEASOFT acquisition and processing software version 4.201. Temperature, salinity, and oxygen profiles were displayed in real-time. Raw data files were transferred to a 486 personal computer using Laplink version 3 and backed up onto 1/4" cartridge tapes using a Microsolutions Backpack QIC-80 external tape drive.

3.1 Data Acquisition Problems

During leg 2, station spacing increased to 40 nm between 58°30′S and 48°S, owing to a delay in departure from Punta Arenas, delays owing to winch problems for some casts, and bad weather. About 36 hours were lost waiting for the weather to moderate at 58°S. Other problems included poor level winding of the winch resulting in non-uniform lays on the drum and high-tension crossing and snapping of the cable, compromised chemistry samples owing to contamination from the ship's stack output, and difficulties associated with doing CTDs from the stern of the ship in heavy to moderate seas at high latitudes.

Stations 8 and 9 test casts were very noisy. Modulo errors persisted through station 14. Station 11 cast 1 did not sample the upper 800 m and so a second cast was performed at this station for these bottles. Station 11 cast 2 CTD/O_2 data was not processed. Station 111 stopcocks and vents were left open, therefore no samples were collected. At station 120, upcast water sampling was skipped from 800 to 400 dbar while a fishing vessel cleared its net out of the water. Prior to station 123, the cable was reterminated after cutting off 2500 m of cable to get below bad wraps. At station 131 the package sat on the bottom for several minutes. The upcast CTD/O_2 data were bad. Uptrace pressures were matched to downtrace pressures for bottle sample CTD/O_2 data. Station 160 had increasing

modulo errors during the downcast and was aborted. Water was found in the ground wire at the termination. No samples were collected at station 160. There was no sample from station 190 bottle 11 owing to a stuck lanyard.

3.2 Salinity Analyses

Bottle salinity analyses were performed in a temperature-controlled van using two Guildline Model 8400A inductive autosalinometers standardized with IAPSO Standard Seawater batch P114. The autosalinometer in use was standardized before each run and either at the end of each run or after no more than 48 samples. The drift between standardizations was monitored and the individual samples were corrected for that drift by linear interpolation. Duplicate samples taken from the deepest bottle on each cast were analyzed on a subsequent day. Bottle salinities were compared with preliminary CTD salinities to aid in identification of leaking bottles as well as to monitor the CTD conductivity cells' performance and drift.

The expected precision of the autosalinometer with an accomplished operator is 0.001 pss, with an accuracy of ±0.003. To assess the precision of discrete salinity measurements on this cruise, a comparison was made for data from the instances in which two bottles were tripped within 10 dbar of each other at the same station below a depth of 2000 dbar. For the 138 instances in which both bottles of the pair have acceptable salinity measurements, the standard deviation of the differences is 0.0012 pss. This value is very close to the expected precision.

Calibrated CTD salinities replace missing bottle salinities in the hydrographic data listing and are indicated by an asterisk.

4. POST-CRUISE CALIBRATIONS

Post-cruise sensor calibrations were done at Sea-Bird Electronics, Inc. during May 1994. For stations 2–8, temperature sensor T1455 (with pre-cruise calibration coefficients dated January 1994) and conductivity sensor C1177 (with pre-cruise calibration coefficients dated September 1993) were selected as the best source of data. Post-cruise calibrations showed T1455 had drifted (offset only) by approximately –0.0015; C1177 displayed a change in slope. For stations 9-194, sensor T1461 (with pre-cruise calibration coefficients dated January 1994) and C1247 (with pre-cruise calibration coefficients dated January 1994) were selected for final data reduction since they were used on both packages. Post-cruise calibrations showed T1461 to be drifting (offset only) by approximately –0.006°C; C1247 had drifted (slope and offset) by approximately –0.0009 S m^{-1}.

At-sea monitoring and post-cruise calibration of redundant TC pair T1460/C1180 showed T1460 had jumped by 0.002°C, warranting repair. Redundant TC pair T1072/C748 post-cruise calibration showed T1072 had drifted to an offset of –0.004°C. These TC pairs were not included in the final processing.

4.1 Conductivity

SEASOFT module ALIGNCTD was used to align conductivity measurements in time relative to pressure. Measurements can be misaligned due to the inherent time delay of the sensor response, the water transit time delay in the pumped plumbing line, and the sensors being physically misaligned in depth. Because SBE 3 temperature response is fast (0.06 s), it is not necessary to advance temperature relative to pressure. When measurements are properly aligned, salinity spiking and density errors are minimized.

For a SBE 9 CTD with ducted TC sensors and a 3000-rpm pump, the typical net advance of conductivity relative to temperature is 0.073 s. The SBE 11 deck units advance primary conductivity 0.073 s, but do not advance secondary conductivity. Therefore when C1177 or C1247 conductivity data came from a secondary sensor channel the alignment was much larger, typically 0.06 s versus typically 0.02 s from a primary sensor channel.

Conductivity slope and bias, along with a pressure fudge term (β), were computed by a least-squares minimization of CTD and bottle conductivity differences. The function minimized was

$$BC - m * CC - b - \beta * CP$$

where BC is bottle conductivity (S m^{-1}), CC is pre-cruise calibrated CTD conductivity (S m^{-1}), CP is the CTD pressure (dbar), m is the conductivity slope, b is the bias (S m^{-1}), and β is the pressure fudge term (S m^{-1} $dbar^{-1}$). The final CTD conductivity (S m^{-1}) is

$$m * CC + b + \beta * CP$$

The slope term m is a fourth-order polynomial function of station number to allow the entire cruise to be fit at once with a smoothly varying station-dependent slope correction. For each sensor a series of fits were made, each fit throwing out bottle values for locations having a residual between CTD and bottle conductivities greater than three standard deviations. This procedure was repeated with the remaining bottle values until no more bottle values were thrown out.

For C1177, the slope correction ranged from 1.00014254 to 1.00014262, the bias applied was -3.8×10^{-4} S m^{-1}, and the beta term was -5.69×10^{-9} S m^{-1} $dbar^{-1}$. Of 5040 bottles, the percentage of bottles retained in the fit was 84.9, with a standard deviation for CTD versus bottle conductivity differences of 1.19×10^{-4} S m^{-1}. For C1247, the slope correction ranged from 1.00021478 to 1.00044972, the bias applied was -7.2×10^{-4} S m^{-1}, and the beta term was -1.29×10^{-8} S m^{-1} $dbar^{-1}$. Of 5797 bottles, the percentage of bottles retained in the fit was 83.4, with a standard deviation of 0.87×10^{-4} S m^{-1}. The slope and bias were applied in SEACON. The beta-fudge term was applied after SEASOFT post-processing in PMEL program POSTCAL.

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. 3,

upper panel). The entire set of CTD-bottle conductivity differences is plotted against pressure to show the tight fit below 1000 m and the increasing scatter above 1000 m (Fig. 3, lower panel).

4.2 Temperature

In SEACON, adjustments were made to the bias of the thermistors as deviations from the pre-cruise calibrations on a station-by-station basis. These deviations were obtained from a linear fit of the pre-cruise and post-cruise temperature residuals from the pre-cruise calibration versus time. Deep temperature differences between primary and secondary sensors were less than 0.001 °C.

Also, a uniform correction for heating of the thermistor owing to viscous effects was applied to the bias in SEACON. This correction was obtained using the formula:

$$\text{error } [C] = B * \text{sqrt}(\nu) * U * U$$

where $B = 0.692$, $U = 1.02$ m s^{-1}, and nu = 1.7279×10^{-6} m^2 s^{-1}. The value for viscosity ν is that for the peak in the distribution of the temperature and salinity bottle values (te = 1.8 °C, sa = 34.67 pss). Error $[C] = 0.9464 \times 10^{-3}$ °C. All the thermistors read high by this amount and were adjusted down accordingly. The adjustment is near the maximum viscous heating for the encountered temperature and salinity range. Thermistors will read about 0.66×10^{-3} °C high near the surface in the tropics (te = 30 °C, sa = 34.5 pss), causing an overadjustment of 0.29×10^{-3} °C. For deep values (te = 0 °C, sa = 37 pss) where gradients are small, thermistors will read about 0.97×10^{-3} °C high and so will be underadjusted by 0.2×10^{-3} °C.

4.3 Oxygen

In-situ oxygen samples collected during CTD profiles are used for post-measurement calibration. SEASOFT bottle files were merged and bottle oxygen values flagged as "good" were appended to the data records. Because the dissolved oxygen sensor has an obvious hysteresis, PMEL program OXDWNP replaced up-profile water sample data with corresponding down-profile CTD/O_2 data at common pressure levels. Oxygen saturation values were computed according to Benson and Krause (1984) in units of μmol kg^{-1}.

The algorithm used for converting oxygen sensor current and probe temperature measurements to oxygen as described by Owens and Millard (1985) requires a non-linear least squares regression technique in order to determine the best fit coefficients of the model for oxygen sensor behavior to the water sample observations. WHOI program OXFITMR uses Numerical Recipes (Press et al., 1986) Fortran routines MRQMIN, MRQCOF, GAUSSJ, and COVSRT to perform non-linear least squares regression using Levenberg-Marquardt method. A Fortran subroutine FOXY describes the oxygen model with the derivatives of the model with respect to six coefficients in the following order: oxygen current slope, temperature correction, pressure correction, weight, oxygen current bias, and oxygen current lag.

Program OXFITMR reads the data for a group of stations. The rate of change of oxygen current is computed using a least-squares estimate over 15-second intervals. The data are edited to remove spurious points where values are less than zero or greater than 1.2 times the saturation value. The routine varies the six (or fewer) parameters of the model in such a way as to produce the minimum sum of squares in the difference between the calibration oxygens and the computed values. Individual differences between the calibration oxygens and the computed oxygen values (residuals) are then compared with the standard deviation of the residuals. Any residual exceeding an edit factor of 2.8 standard deviations is rejected. A factor of 2.8 has a 0.5% chance of rejecting a valid oxygen value for a normally distributed set of residuals. The iterative fitting process is continued until none of the data fail the edit criteria. The best fit to the oxygen probe model coefficients is then determined. Coefficents were applied by PMEL program CALOX2W and CTD oxygen was computed using subroutine OXY6W.

By plotting the oxygen residuals versus station, appropriate station groupings for further refinements of fitting were obtained by looking for abrupt station-to-station changes in the residuals. Sometimes it was necessary to fix values of some oxygen algorithm parameters to keep those parameters within a reasonable range (noted by asterisks in Table 2). Final coefficients were applied by PMEL program EPSBE94.

5. POST-CRUISE PROCESSING

SEASOFT consists of modular menu driven routines for acquisition, display, processing, and archiving of oceanographic data acquired with Sea-Bird equipment and is designed to work with an IBM or compatible personal computer. Raw data is acquired from the instruments and is stored as unmodified data. The conversion module DATCNV uses the instrument configuration and calibration coefficients to create a converted engineering unit data file that is operated on by all SEASOFT post processing modules. Each SEASOFT module that modifies the converted data file adds information to the header of the converted file permitting tracking of how the various oceanographic parameters were obtained. The converted data is stored in either rows and columns of ascii numbers or as a binary data stream with each value stored as a 4-byte binary floating point number. The last data column is a flag field used to mark scans as good or bad.

The following are the SEASOFT processing module sequence and specifications used in the reduction of P18 CTD/O2 data:

DATCNV converted the raw data to pressure, temperature, conductivity, oxygen current, oxygen temperature, and transmissometer voltage. DATCNV also extracted bottle information where scans were marked with the bottle confirm bit during acquisition.

ROSSUM created a summary of the bottle data. Bottle position, date, and time were output as the first two columns. Pressure, temperature, conductivity, oxygen current, oxygen temperature, and transmissometer voltage were averaged over a 2-s interval (48 scans). For the primary package,

the time interval was from 5 to 3 s prior to the confirm bit in order to avoid spikes in conductivity and oxygen current owing to minor incompatibilities between the Sea-Bird 911plus CTD/O_2 system and General Oceanics 1016 rosette. Bottle data from the backup package were averaged from 1 s prior to the confirm bit to 1 s after the confirm bit in the data stream.

WILDEDIT marked extreme outliers in the data files. The first pass of WILDEDIT obtained an accurate estimate of the true standard deviation of the data. The data were read in blocks of 200 scans. Data greater than 2 standard deviations were flagged. The second pass computed a standard deviation over the same 200 scans excluding the flagged values. Values greater than 16 standard deviations were marked as bad.

SPLIT removed decreasing pressure records from the data files leaving only the downcast.

FILTER performed a low pass filter on pressure with a time constant of 0.15 s. In order to produce zero phase (no time shift) the filter first runs forward through the file and then runs backwards through the file.

ALIGNCTD aligned conductivity in time relative to pressure to ensure that all calculations were made using measurements from the same parcel of water. Alignment between stations was checked every time the CTD configuration changed between primary and secondary underwater packages or every ten stations, whichever was less.

CELLTM used a recursive filter to remove conductivity cell thermal mass effects from the measured conductivity. Typical values were used for thermal anomaly amplitude (alpha = 0.03) and the time constant (1/beta = 9.0).

DERIVE was used to compute fall rate (m s^{-1}) with a time window size for fall rate and acceleration of 2.0 seconds.

LOOPEDIT marked scans where the CTD was moving less than the minimum velocity of 0.2 m s^{-1} or traveling backwards due to ship roll.

BINAVG averaged the data into 1-dbar pressure bins starting at 1 dbar with no surface bin. The center value of the first bin was set equal to the bin size. The bin minimum and maximum values are the center value ± half the bin size. Scans with pressures greater than the minimum and less than or equal to the maximum were averaged. Scans were interpolated so that a data record exists every decibar.

STRIP removed scan number and fall rate from the data files.

TRANS converted the data file format from binary to ASCII.

Following the SEASOFT processing modules, PMEL program POSTCAL corrected conductivity with respect to pressure using an additional beta term:

$$\beta = -1.29 \times 10^{-8} \text{ for C1247}$$
$$\beta = -5.69 \times 10^{-8} \text{ for C1177}$$
$$c2(i) = (c1(i) * 10) + \beta * p(i)$$

computed salinity:

$$s(i) = \text{SAL78}\ (c2(i)/42.914,\ t1(i),\ p(i),\ 0)$$

corrected temperature due to instrument calibration error:

$$t2(i) = 1.00008961734348 * t1(i) - 9.924374518041036 \times 10^{-4}$$

and backed out final conductivity values:

$$c3(i) = \text{SAL78}\ (s(i),\ t2(i),\ p(i),\ 1)$$
$$c3(i) = c3(i) * 42.914$$

Also, POSTCAL interpolated temperature, conductivity, oxygen current, oxygen temperature, and transmissometer voltage where values were bad, as flagged by SEASOFT before the above corrections, and repeated to the surface the first good record input interactively by the user.

PMEL program EPSBE94 followed POSTCAL and computed doxc/dt, calibrated CTD oxygens, and computed ITS-90 temperature, potential temperature, sigma-t, sigma-theta, and dynamic height. EPSBE94 also introduced the WOCE quality flag associated with pressure, temperature, salinity, and CTD oxygen. Quality flag definitions can be found in the WOCE Operations Manual (1994). Averaged 1-dbar data were output in EPIC format (Soreide, 1995). Processed data were despiked and values linearly interpolated. WOCE flags were ammended to reflect these changes.

6. DATA PRESENTATION

The final calibrated data in EPIC format were used to produce the plots and listings that follow. The majority of the plots were produced using Plot Plus Scientific Graphics System (Denbo, 1992). Tables 3–7 define the abbreviations and units used in the CTD/O_2 data summary listings. Vertical sections of potential temperature, salinity, potential density, and CTD oxygen are contoured with pressure as the vertical axis and latitude as the horizontal axis (Figs. 4–7). Nominal vertical exaggerations are 500:1 below 1000 dbar (lower panels) and 1250:1 above 1000 dbar (upper panels). Plots and summary listings of the CTD/O_2 data follow for each cast. Hydrographic bottle data at discrete depths are listed in the final section.

The hydrographic listings presented include three-digit WOCE quality flags. The numeric digits are associated with water bottle, bottle salinity, and bottle oxygen. Quality flag definitions can be found in the WOCE Operations Manual (1994).

7. PARTICIPATING INSTITUTIONS/PERSONNEL

NOAA Pacific Marine Environmental Laboratory (PMEL)
NOAA Atlantic Oceanographic and Meterological Laboratory (AOML)
NOAA Climate Modelling and Diagnostics Laboratory (CMDL)
Monterey Bay Aquarium Research Institute (MBARI)
Scripps Institution of Oceanography (SIO)
University of Hawaii (UH)
University of Washington (UW)
University of Miami (UM)
University of South Florida (USF)
Woods Hole Oceanographic Institution (WHOI)

Measurement	Principal Investigator	Institution
CTD/O_2	B. Taft, G. Johnson	PMEL
Chlorofluorocarbons (CFCs)	J. Bullister	PMEL
C-14 (AMS radiocarbon), C-13	P. Quay	UW
Nutrients	K. Krogsland	UW
Dissolved Oxygen	J. Bullister	PMEL
Helium/tritium	W. Jenkins	WHOI
CO_2 (alkalinity)	F. Millero	UM
Total CO_2 (coulometry), pCO_2	R. Feely	PMEL
pH	R. Byrne	USF
ADCP	P. Hacker	UH
ALACE floats	R. Davis	SIO
Underway atmospheric/surface halocarbons, nitrous oxide	J. Butler	CMDL
Productivity	F. Chavez	MBARI

		Leg 1	Leg 2	Leg 3
Andrew Dickson, SIO	Chief Scientist	x		
Bruce Taft, PMEL	Chief Scientist		x	
John Bullister, PMEL	Co-Chief Scientist		x	
Gregory Johnson, PMEL	Chief Scientist	x		x
Richard Feely, PMEL	Co-Chief Scientist			x
Kristene McTaggart, PMEL	CTD	x	x	x
Nordeen Larson, Sea-Bird	CTD	x	x	
Gregg Thomas, AOML	salinity		x	x
David Wisegarver, PMEL	CFC		x	x
C.J. Beegle, UW	CFC		x	
Kirk Hargreaves, PMEL	oxygen/CFC		x	x
David Jones, PMEL	oxygen			x
Katherine Krogslund, UW	nutrients	x	x	
Calvin Mordy, PMEL	nutrients		x	x
Kerry Jones, PMEL	TCO_2	x	x	x
Thomas Lantry, AOML	TCO_2		x	x
Marilyn Roberts, PMEL	TCO_2			x
Dana Greeley, PMEL	pCO_2		x	x

		Leg 1	Leg 2	Leg 3
Catherine Cosca, PMEL	pCO_2			x
Matthew Steckley, AOML	pCO_2			x
Sonya Olivella, UM	alkalinity		x	
J. Zhang, UM	alkalinity		x	
Bernardo Vargas, UM	alkalinity		x	
Essa Peltola, UM	alkalinity			x
Michael De Alessi, UM	alkalinity			x
Mary Roche, UM	alkalinity			x
Robert Byrne, USF	pH		x	
Renate Bernstein, USF	pH		x	
Huining Zhang, USF	pH		x	x
Sean McElligott, USF	pH			x
Frederick Stengard, USF	pH			x
Craig Huhta, UH	ADCP		x	
Claude Lumpkin, UH	ADCP			x
Joshua Curtice, WHOI	helium, tritium		x	
Scott Birdwhistell, WHOI	helium, tritium			x
Dennis Hansell, BBSR	DOC		x	
Rhonda Kelly, BBSR	DOC			x
James Green, UW	C-13, C-14		x	
Elizabeth Houzel, UW	C-13, C-14			x
Kurt Buck, MBARI productivity			x	x
Thomas Hayden, USC	productivity		x	
Gregory Morris, USC	productivity		x	
Raphael Kudela, MBARI	productivity			x
Dante Gutierrez-Besa, SHOA	Chilean Observer		x	
Diego Lopez-Veneroni, Texas A&M				
	Mexican Observer			x
Humberto Perez-Ortiz, Direccion General de Oceanografia Naval, Secretaria de Marina				
	Mexican Observer			x

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FIGURES AND TABLES

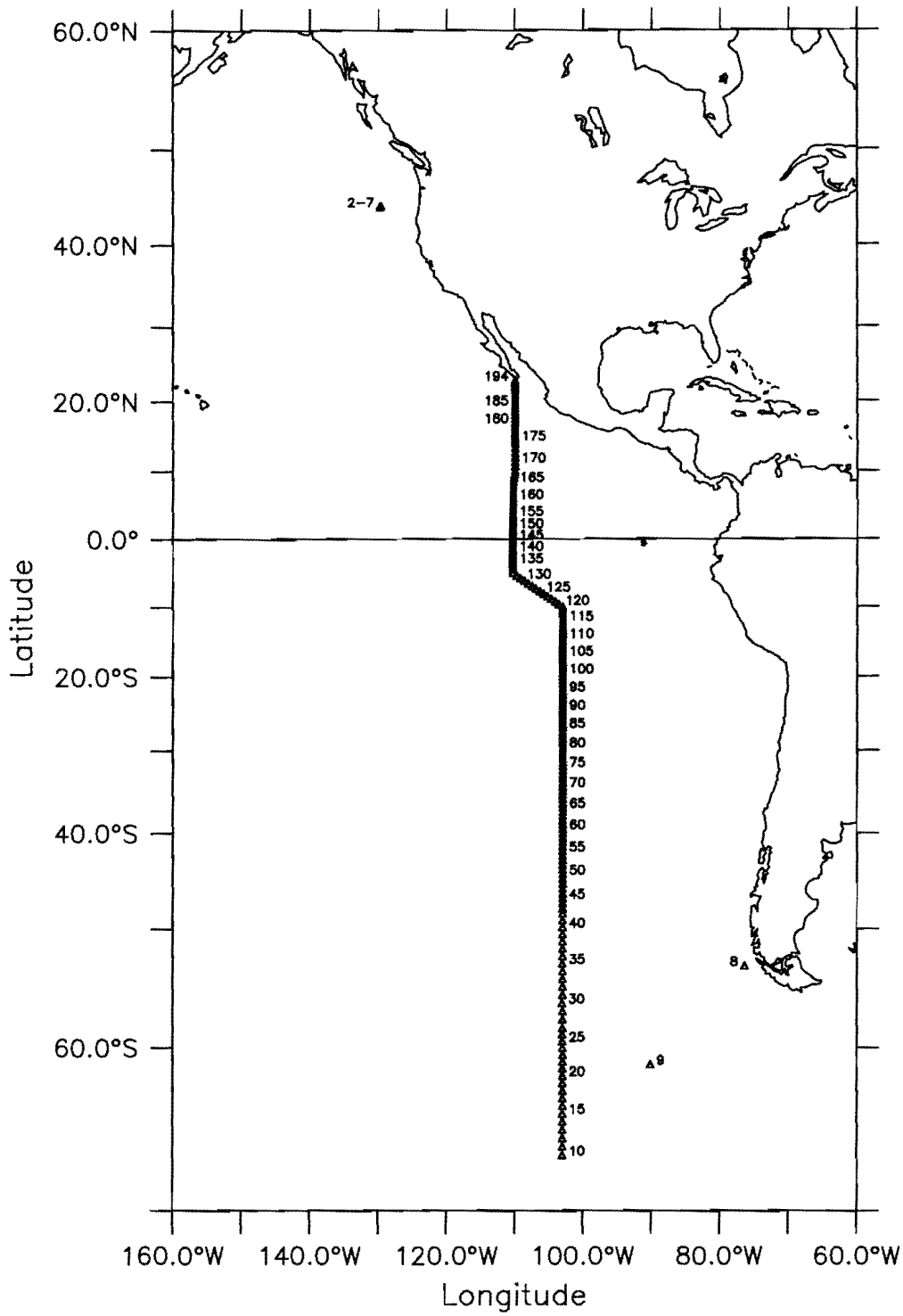


Fig 1. CTD station locations made on the R/V *Discoverer* from 26 January to 27 April, 1994.

Table 1. CTD cast summary.

STN #	CAST #	LATITUDE	LONGITUDE	DATE	TIME	W/D T	W/S (kts)	DEPTH (m)	SST (C)	CAST (db)
2	2	44 14.1N	129 40.5W	28 JAN 94	754				11.8	3661
3	3	44 12.0N	129 43.0W	28 JAN 94	1302				11.7	2749
4	4	44 16.6N	129 44.8W	28 JAN 94	1738				11.6	3019
5	5	44 9.9N	129 45.2W	28 JAN 94	2144				11.8	2571
6	6	44 14.0N	129 40.0W	29 JAN 94	227				11.6	3299
7	7	44 18.0N	129 35.3W	29 JAN 94	610				11.7	2480
8	8	53 22.9S	76 22.0W	23 FEB 94	2039	300	28	1865	9.4	1844
9	9	61 13.2S	90 10.9W	25 FEB 94	2017	280	17	4902	4.9	1809
10	10	66 59.8S	103 0.2W	27 FEB 94	1717	260	18	4720	2.3	4817
11	11	66 29.8S	102 59.9W	28 FEB 94	409	320	20	4782	1.7	4878
12	12	66 0.0S	102 59.8W	28 FEB 94	849	330	25	4836	1.6	4934
13	13	65 29.9S	102 59.9W	28 FEB 94	1550	320	20	4875	2.1	4974
14	14	64 59.9S	103 0.0W	28 FEB 94	2345	340	20	4928	2.6	5027
15	15	64 29.9S	102 59.9W	1 MAR 94	653	25	25	4965	2.7	5064
16	16	63 59.5S	102 59.1W	1 MAR 94	1410	25	27	5006	2.8	5103
17	17	63 30.0S	102 59.6W	2 MAR 94	130	30	30	5008	2.6	5109
18	18	63 0.1S	102 58.4W	2 MAR 94	845	340	30	5026	3.4	4920
19	19	62 29.7S	103 0.5W	2 MAR 94	1603	345	15	5058	3.4	5158
20	20	61 59.8S	102 59.8W	2 MAR 94	2333	40	8	5047	3.6	5133
21	21	61 29.2S	102 59.3W	3 MAR 94	634	125	9	5134	4.7	5236
22	22	61 0.5S	103 0.3W	3 MAR 94	1354	175	26	4957	4.5	5074
23	23	60 30.9S	102 57.1W	3 MAR 94	2126	120	16	5191	5.6	5235
24	24	60 0.2S	103 0.0W	4 MAR 94	550	165	25	5121	5.7	5026
25	25	59 30.3S	103 1.6W	4 MAR 94	1201	180	24	4407	5.6	4648
26	26	59 0.0S	103 0.9W	4 MAR 94	2008	220	35	4670	5.6	4691
27	27	58 30.3S	102 59.7W	5 MAR 94	1344	160	25	4706	5.5	4832
28	28	57 49.6S	102 59.4W	5 MAR 94	2126	190	30	4578	5.5	4738
29	29	57 10.3S	103 0.1W	6 MAR 94	612	185	35	4136	5.8	4157
30	30	56 31.5S	103 4.9W	7 MAR 94	1808	220	30	4512	6.4	4668
31	31	55 50.2S	102 59.9W	8 MAR 94	124	215	23	4676	6.0	4759
32	32	55 9.5S	102 59.5W	8 MAR 94	815	200	20	4495	6.9	4608
33	33	54 30.0S	103 0.0W	8 MAR 94	1642	225	14	4071	7.9	4151
34	34	53 49.9S	102 59.0W	8 MAR 94	2333	230	12	4216	7.8	4278
35	35	53 10.0S	103 0.9W	9 MAR 94	600	250	14	4136	8.0	4167
36	36	52 30.4S	103 0.4W	9 MAR 94	1254	300	15	4402	8.1	4503
37	37	51 50.0S	103 0.0W	9 MAR 94	2014	260	13	3984	8.6	4058
38	38	51 10.0S	103 0.0W	10 MAR 94	335	245	10	3777	9.3	3827
39	39	50 30.0S	103 0.5W	10 MAR 94	1014	235	9	4264	9.0	4307
40	40	49 50.0S	103 0.1W	10 MAR 94	1832	290	7	4172	9.3	4269
41	41	49 9.8S	103 0.3W	11 MAR 94	108	330	13	4187	10.3	4287
42	42	48 29.8S	102 59.7W	11 MAR 94	731	320	11	4234	10.5	4272
43	43	47 59.8S	103 0.4W	11 MAR 94	829	300	8	4078	10.6	4171
44	44	47 30.0S	103 0.1W	11 MAR 94	1950	20	18	4234	10.7	4321
45	45	47 0.0S	102 59.8W	12 MAR 94	137	10	20	4047	10.8	4096
46	46	46 30.0S	103 0.0W	12 MAR 94	657	20	26	3850	11.1	3914
47	47	46 0.0S	103 0.0W	12 MAR 94	1305	25	27	3889	11.3	3975
48	48	45 28.9S	102 58.4W	12 MAR 94	2125	5	40	3617	11.8	3792
49	49	45 0.1S	102 59.9W	13 MAR 94	441	345	18	3738	12.3	3810
50	50	44 29.5S	102 59.7W	13 MAR 94	1102	350	20	3863	13.1	3847
51	51	43 59.2S	102 59.8W	13 MAR 94	1739	345	20	3929	13.2	4005
52	52	43 30.1S	103 0.9W	13 MAR 94	2346	1	18	3738	13.4	3793

Table 1. (continued).

STN #	CAST #	LATITUDE	LONGITUDE	DATE	TIME	W/D T	W/S (kts)	DEPTH (m)	SST (C)	CAST (db)
53	53	43 0.2S	102 59.9W	14 MAR 94	537	15	12	3813	13.6	3865
54	54	42 29.5S	102 59.6W	14 MAR 94	1152	25	9	3778	13.7	3848
55	55	41 59.7S	103 0.2W	14 MAR 94	1816	55	16	3966	13.9	3745
56	56	41 29.6S	102 59.5W	15 MAR 94	323	115	13	3784	15.2	3848
57	57	41 0.0S	103 0.0W	15 MAR 94	923	130	8	4042	15.9	4084
58	58	40 30.2S	102 59.2W	15 MAR 94	1810			3883	15.7	3972
59	59	40 0.2S	102 58.8W	15 MAR 94	2326	230	10	4037	16.1	4025
60	60	39 29.9S	102 59.9W	16 MAR 94	505	230	11	3939	16.3	3997
61	61	39 0.0S	103 0.2W	16 MAR 94	1049	245	10	3822	18.0	3867
62	62	38 30.6S	103 0.9W	16 MAR 94	1718	300	15	3980	18.8	4043
63	63	37 59.9S	102 59.9W	16 MAR 94	2251	290	25	4133	18.9	4193
64	64	37 29.9S	102 59.0W	17 MAR 94	429	250	32	3522	18.7	3533
65	65	36 59.7S	103 0.3W	17 MAR 94	1102	260	33	4017	19.7	4100
66	66	36 29.9S	103 0.1W	17 MAR 94	1713	250	31	3494	19.8	3535
67	67	35 59.6S	102 59.5W	17 MAR 94	2306	250	23	3686	20.2	3655
68	68	35 30.0S	103 0.0W	18 MAR 94	431	280	20	3114	19.8	3158
69	69	34 59.9S	103 0.2W	18 MAR 94	953	230	12	3584	20.3	3578
70	70	34 30.8S	103 0.2W	18 MAR 94	1531	320	16	3413	20.6	3459
71	71	34 0.4S	103 0.0W	18 MAR 94	2206	320	22	3652	20.8	3690
72	72	33 30.0S	102 59.9W	19 MAR 94	321	320	23	3578	21.6	3634
73	73	32 59.7S	102 59.9W	19 MAR 94	824	305	22	3706	22.0	3697
74	74	32 30.0S	103 0.0W	19 MAR 94	1414	220	12	3552	22.2	3626
75	75	31 59.7S	102 59.9W	19 MAR 94	2031	220	14	3597	22.6	3650
76	76	31 29.5S	103 0.0W	20 MAR 94	152	205	12	3517	22.8	3566
77	77	31 0.1S	103 0.4W	20 MAR 94	652	190	9	3492	23.2	3481
78	78	30 30.1S	103 0.9W	20 MAR 94	1249	180	8	3515	23.2	3410
79	79	30 0.0S	103 0.0W	21 MAR 94	528	200	11	3615	23.3	3652
80	80	29 29.5S	103 0.3W	21 MAR 94	1130	160	8	3484	23.3	3489
81	81	29 0.1S	103 0.8W	21 MAR 94	1926	140	11	3549	23.5	3569
82	82	28 29.7S	102 59.8W	22 MAR 94	103	145	10	3264	23.8	3380
83	83	28 1.0S	103 0.9W	22 MAR 94	735	100	12	3338	23.7	3387
84	84	27 30.7S	103 1.1W	22 MAR 94	1335	85	8	3073	23.8	3072
85	85	26 55.2S	103 0.5W	22 MAR 94	2134	34	3	3116	24.4	3174
86	86	26 29.7S	103 0.0W	23 MAR 94	234	60	7	3452	24.6	3490
87	87	25 59.4S	103 0.3W	23 MAR 94	731	45	8	3454	24.4	3486
88	88	25 29.9S	103 0.0W	29 MAR 94	634	120	6	3366	24.4	3376
89	89	24 59.3S	103 0.1W	29 MAR 94	1151	180	4	3827	24.5	3862
90	90	24 30.0S	103 0.0W	29 MAR 94	1811			3635	24.7	3622
91	91	23 59.9S	103 0.1W	29 MAR 94	2326			3849	24.6	3860
92	92	23 29.8S	102 59.7W	30 MAR 94	458	360	3	3983	24.7	3958
93	93	23 0.0S	102 59.8W	30 MAR 94	1041	256	6	4017	24.9	4054
94	94	22 29.9S	103 0.0W	30 MAR 94	1712	280	5	4019	24.7	4067
95	95	21 59.6S	102 59.4W	30 MAR 94	2321	280	15	3950	24.9	3990
96	96	21 30.0S	102 59.9W	31 MAR 94	507	280	14	3969	24.6	4005
97	97	20 59.9S	103 0.1W	31 MAR 94	1118	275	15	4083	24.4	4126
98	98	20 30.1S	103 0.1W	31 MAR 94	1735	290	9	4054	24.4	4093
99	99	20 0.0S	103 0.0W	1 APR 94	3	281	14	4234	24.5	4223
100	100	19 30.1S	102 59.5W	1 APR 94	618	285	8	4115	24.4	4175
101	101	18 59.9S	103 0.1W	1 APR 94	2135	260	7	4087	24.4	4144
102	102	18 30.0S	103 0.0W	2 APR 94	332	300	5	4055	24.7	4107
103	103	17 59.9S	103 0.2W	2 APR 94	911			4183	24.6	4233

Table 1. (continued).

STN #	CAST #	LATITUDE	LONGITUDE	DATE	TIME	W/D T	W/S (kts)	DEPTH (m)	SST (C)	CAST (db)
104	104	17 29.9S	103 0.4W	2 APR 94	1519	55	9	4045	24.7	4092
105	105	16 59.9S	102 59.7W	2 APR 94	2204	40	10	3923	24.7	3977
106	106	16 29.9S	103 0.0W	3 APR 94	421	100	9	3100	24.7	3156
107	107	16 0.0S	103 0.0W	3 APR 94	938	90	8	3765	24.4	3792
108	108	15 30.1S	103 0.1W	3 APR 94	1538	105	12	3695	24.4	3776
109	109	15 0.0S	102 59.9W	3 APR 94	2140	110	12	4259	24.9	4259
110	110	14 30.2S	102 59.4W	4 APR 94	353	110	20	4017	25.5	4037
111	111	14 0.0S	102 59.6W	4 APR 94	925	105	16	4171	25.4	4222
112	112	13 29.9S	103 0.2W	4 APR 94	1612	125	20	4121	25.5	4183
113	113	13 0.6S	103 0.5W	5 APR 94	41	120	15	4252	25.7	4347
114	114	12 30.1S	103 0.1W	5 APR 94	649	115	16	4200	26.2	4225
115	115	12 0.1S	103 0.1W	5 APR 94	1338	138	16	4438	26.2	4436
116	116	11 30.3S	103 0.0W	5 APR 94	2026	125	17	4094	26.6	4140
117	117	11 0.0S	103 0.8W	6 APR 94	306	145	19	4248	0.0	4297
118	118	10 30.4S	103 0.1W	6 APR 94	911	110	15	4694	26.7	4755
119	119	10 0.2S	103 0.0W	6 APR 94	1555	100	20	4563	27.1	4642
120	120	9 38.9S	103 36.6W	6 APR 94	2345	135	21	4367	27.3	4502
121	121	9 14.2S	104 8.1W	7 APR 94	709	120	15	4095	27.3	4077
122	122	8 51.2S	104 41.6W	7 APR 94	1510	125	24	3742	27.5	3755
123	123	8 27.8S	105 15.6W	7 APR 94	2235	120	20	3656	27.7	3690
124	124	8 4.7S	105 49.6W	8 APR 94	458	100	18	3466	27.6	3501
125	125	7 42.0S	106 23.0W	8 APR 94	1055	88	20	3176	27.5	3148
126	126	7 18.7S	106 56.6W	8 APR 94	1809	100	17	3139	27.7	3193
127	127	6 56.4S	107 30.7W	9 APR 94	51	120	11	3168	27.6	3147
128	128	6 33.6S	108 4.4W	9 APR 94	647	125	4	3112	27.8	3277
129	129	6 9.3S	108 38.5W	9 APR 94	1258	80	6	3281	27.8	3309
130	130	5 46.4S	109 12.2W	9 APR 94	1937	155	12	3481	27.8	3507
131	131	5 23.6S	109 46.0W	10 APR 94	152	190	5	3596	28.0	3660
132	132	5 0.1S	110 20.1W	10 APR 94	846	130	8	3447	28.0	3476
133	133	4 29.7S	110 19.6W	10 APR 94	1440	135	9	3827	27.8	3870
134	134	4 0.2S	110 19.8W	10 APR 94	2101	120	18	3852	28.0	3910
135	135	3 30.0S	110 20.0W	11 APR 94	246	60	5	3910	27.9	3963
136	136	3 0.0S	110 20.0W	11 APR 94	826	30	8	3910	27.0	3952
137	137	2 40.0S	110 20.0W	11 APR 94	1340	38	13	3895	26.9	3939
138	138	2 20.0S	110 20.0W	11 APR 94	1939	70	8	3983	26.7	4023
139	139	2 0.8S	110 20.5W	12 APR 94	126	40	7	3985	27.1	4022
140	140	1 40.0S	110 19.9W	12 APR 94	831	70	6	3901	26.9	3955
141	141	1 20.0S	110 20.1W	12 APR 94	1453	80	15	3813	26.7	3872
142	142	1 0.1S	110 19.7W	13 APR 94	128	119	13	4067	25.8	4120
143	143	0 40.3S	110 19.8W	13 APR 94	738	105	10	3800	25.3	3864
144	144	0 20.2S	110 19.6W	13 APR 94	1325	115	9	3803	24.5	3841
145	145	0 0.0N	110 20.0W	13 APR 94	1923	80	12	3772	24.6	3836
146	146	0 20.1N	110 20.0W	14 APR 94	107	120	8	3844	24.7	3889
147	147	0 39.9N	110 20.2W	14 APR 94	659	110	9	3844	25.1	3887
148	148	1 0.0N	110 20.0W	14 APR 94	1225	97	12	3667	25.4	3703
149	149	1 20.0N	110 20.0W	14 APR 94	1849	105	9	3768	25.9	3809
150	150	1 40.6N	110 20.2W	15 APR 94	19	110	13	3789	26.3	3800
151	151	2 0.2N	110 20.0W	15 APR 94	549	110	15	3765	26.6	3843
152	152	2 20.0N	110 20.0W	15 APR 94	1141	110	10	3693	27.1	3732
153	153	2 40.0N	110 19.9W	15 APR 94	1748	100	11	3702	27.4	3742
154	154	3 0.0N	110 20.0W	15 APR 94	2319	130	8	3763	27.8	3817

Table 1. (continued).

STN #	CAST #	LATITUDE	LONGITUDE	DATE	TIME	W/D T	W/S (kts)	DEPTH (m)	SST (C)	CAST (db)
155	155	3 30.0N	110 20.0W	16 APR 94	521	110	12	3925	27.8	3974
156	156	4 0.1N	110 20.1W	16 APR 94	1212	145	6	3862	28.0	3904
157	157	4 30.0N	110 20.0W	16 APR 94	1904	135	7	3961	28.7	3990
158	158	4 59.7N	110 20.0W	17 APR 94	145	140	10	4219	29.2	4267
159	159	5 30.0N	110 20.0W	17 APR 94	757	70	9	3927	29.0	3969
160	160	6 0.0N	110 20.0W	17 APR 94	1457	65	13	3844	29.0	3848
161	161	6 30.0N	110 20.0W	17 APR 94	2109	60	17	3243	29.1	3266
162	162	7 0.0N	110 20.4W	18 APR 94	313	90	18	3816	29.1	3879
163	163	7 30.0N	110 20.1W	18 APR 94	923	145	16	3934	29.0	3984
164	164	7 59.9N	110 20.2W	18 APR 94	1534	150	15	3959	28.8	3991
165	165	8 30.0N	110 15.1W	18 APR 94	2336	131	5	3871	29.0	3920
166	166	9 0.0N	110 9.9W	19 APR 94	426	60	5	3683	28.8	3716
167	167	9 30.7N	110 5.1W	19 APR 94	1045	80	5	3479	28.8	3513
168	168	10 0.0N	110 0.0W	19 APR 94	1728	75	11	3298	28.8	3343
169	169	10 40.0N	110 0.0W	20 APR 94	10	75	17	3797	29.2	3845
170	170	11 20.0N	110 0.0W	20 APR 94	625	75	15	3511	29.0	3545
171	171	12 0.1N	110 0.0W	20 APR 94	1244	70	15	3130	29.0	3246
172	172	12 40.0N	110 0.0W	20 APR 94	1926	65	12	4185	28.9	4233
173	173	13 20.0N	109 59.9W	21 APR 94	310	75	6	4087	29.0	4148
174	174	14 0.1N	109 59.9W	21 APR 94	1010	30	6	3263	28.6	3317
175	175	14 29.8N	109 59.8W	21 APR 94	1521	25	7	3669	28.3	3526
176	176	15 0.0N	110 0.0W	21 APR 94	2152	10	8	3770	28.1	3813
177	177	15 29.8N	109 59.7W	22 APR 94	359	30	6	3782	27.7	3790
178	178	16 0.1N	110 0.0W	22 APR 94	939	5	4	3295	27.3	3309
179	179	16 29.9N	110 0.1W	22 APR 94	1521	5	11	3386	27.0	3482
180	180	17 0.0N	110 0.0W	22 APR 94	2136	355	8	3511	27.3	3551
181	181	17 30.1N	109 59.9W	23 APR 94	320	350	5	3458	27.0	3514
182	182	18 0.0N	110 0.0W	23 APR 94	852	310	9	3257	25.5	3299
183	183	18 30.0N	110 0.0W	23 APR 94	1423	1	6	3443	25.4	3473
184	184	19 0.0N	110 0.0W	23 APR 94	2038	10	6	3383	24.5	3415
185	185	19 30.0N	110 0.0W	24 APR 94	203	290	7	3259	24.2	3282
186	186	20 0.1N	110 0.0W	24 APR 94	706	280	12	2656	23.5	2591
187	187	20 30.0N	110 0.0W	24 APR 94	1235	315	20	3120	24.1	3135
188	188	21 0.0N	110 0.0W	24 APR 94	1823	295	11	3239	22.2	3241
189	189	21 29.9N	110 0.1W	24 APR 94	2353	270	14	3197	21.5	3221
190	190	21 59.9N	110 0.0W	25 APR 94	506	285	18	3153	20.8	3175
191	191	22 29.7N	109 59.7W	25 APR 94	1051	305	25	3056	17.9	3082
192	192	22 44.0N	110 0.4W	25 APR 94	1444	320	20	2006	16.0	2087
193	193	22 47.8N	110 0.3W	25 APR 94	1743	300	15	947	18.4	952
194	194	22 51.1N	110 0.0W	25 APR 94	1936	305	14	197	17.6	192

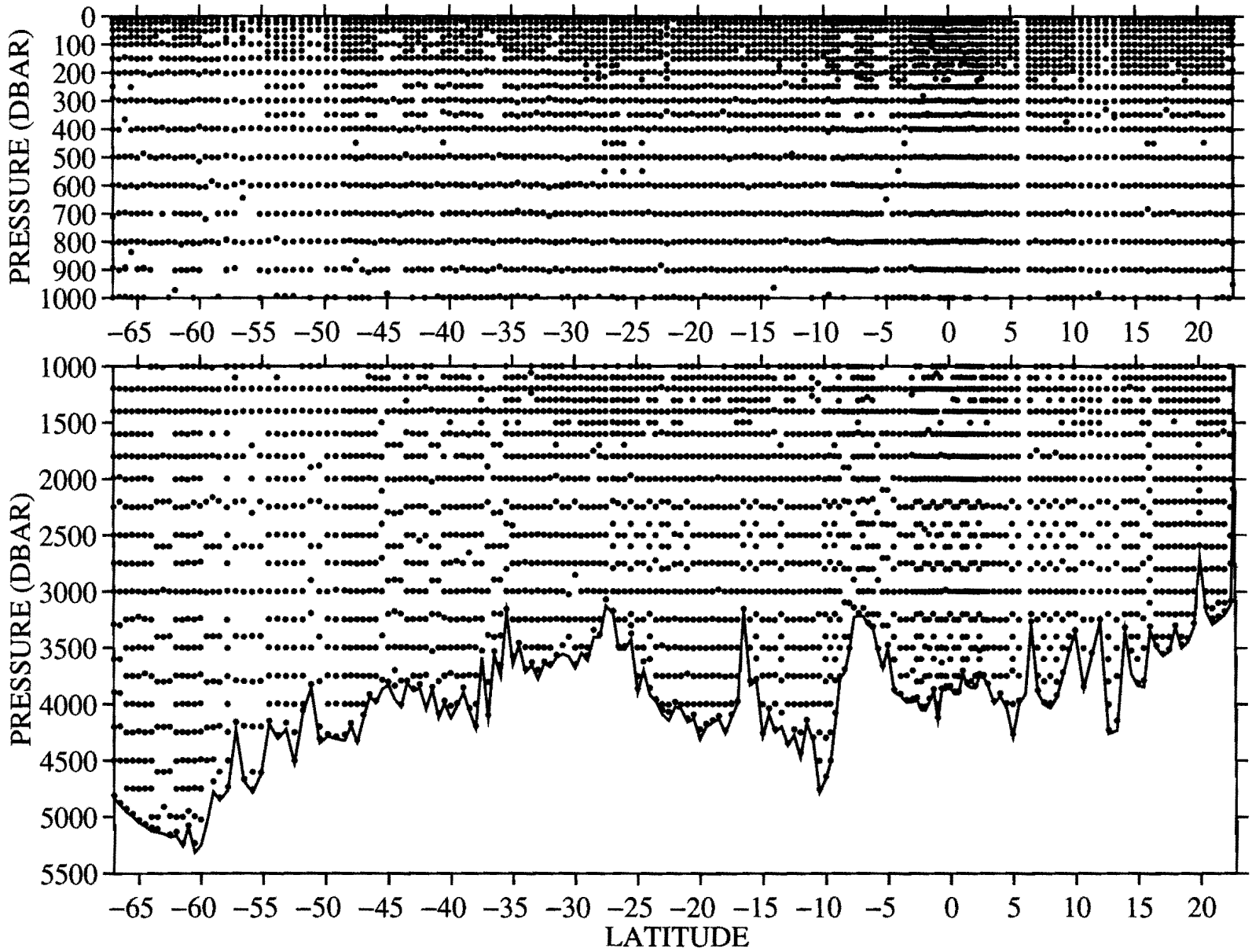


Fig. 2. Pressures of bottle closures at each station.

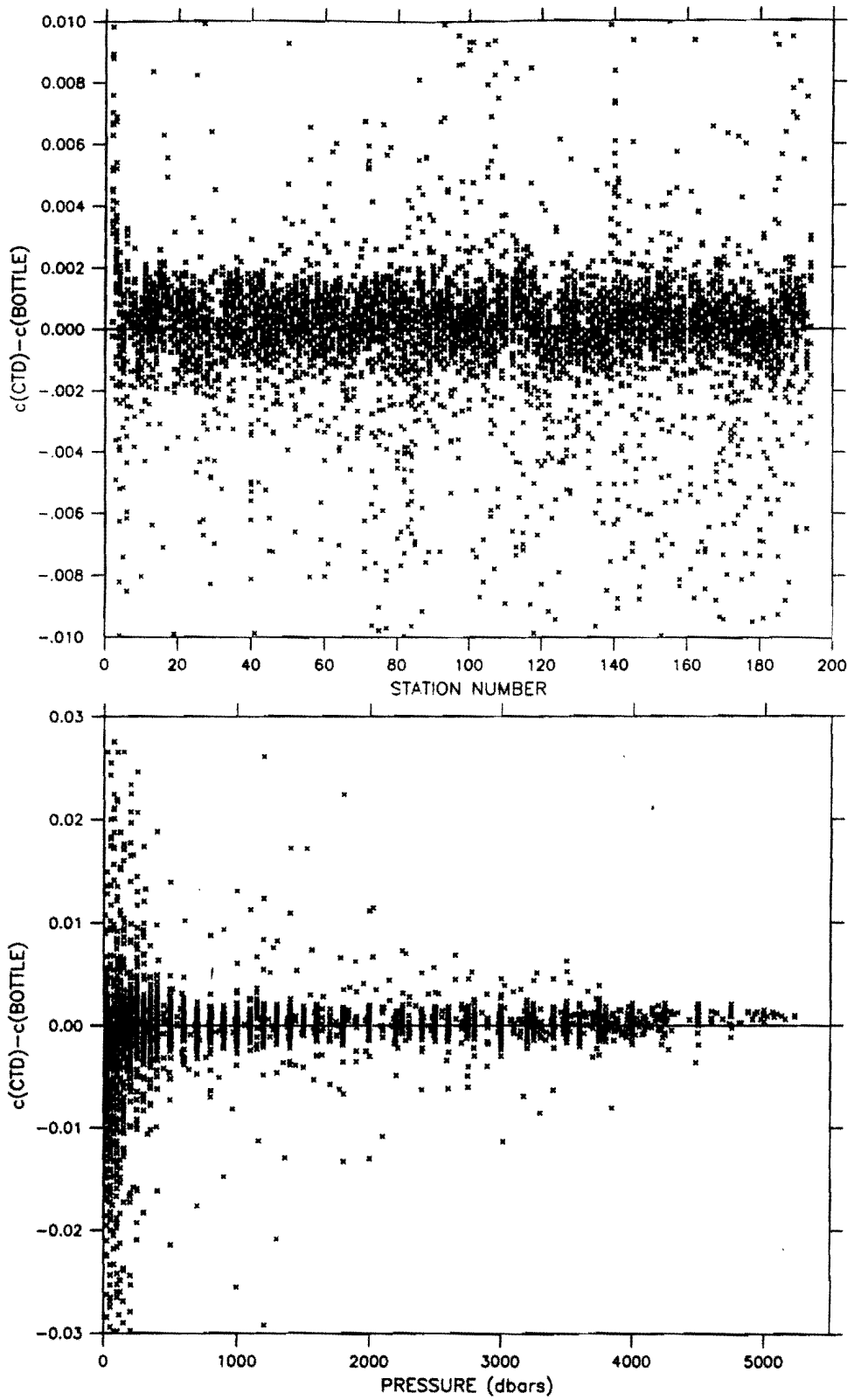


Fig. 3. Calibrated CTD-bottle conductivity differences plotted against cast number (upper panel). Calibrated CTD-bottle conductivity differences plotted against pressure (lower panel).

Table 2. Station groupings for CTD oxygen algorithm parameters.

Min/Max Sta	#Obs	StdDev	dOx=2.8*StdDev	1: Bias	2:Slope	3:Pcor	4:Tcor	5: Wt	6: Lag
10.- 12.	72	0.3550E+01	9.941	-0.078	0.3957E-02	0.2085E-03*	-0.2025E-01*	0.1263E+00*	0.3683E+01*
13.- 17.	131	0.2299E+01	6.438	-0.074	0.3935E-02	0.2085E-03*	-0.2025E-01*	0.1263E+00*	0.3683E+01*
18.- 24.	152	0.2306E+01	6.457	-0.044	0.4111E-02	0.1738E-03*	-0.4484E-01*	0.9207E+00*	0.0000E+00*
23.	28	0.1368E+01	3.831	-0.046	0.4087E-02	0.1738E-03*	-0.4484E-01*	0.9207E+00*	0.0000E+00*
25.- 25.	22	0.1495E+01	4.185	-0.003	0.3812E-02	0.1660E-03	-0.2970E-01	0.5521E+00	0.0000E+00*
27.- 28.	50	0.2206E+01	6.177	0.000	0.3704E-02	0.1555E-03*	-0.3490E-01*	0.9212E+00*	0.4052E+00*
29.	20	0.2914E+01	8.160	0.014	0.3672E-02	0.1555E-03*	-0.3490E-01*	0.9212E+00*	0.4052E+00*
30.	16	0.4081E+01	11.428	-0.001	0.3609E-02	0.1555E-03*	-0.3490E-01*	0.9212E+00*	0.4052E+00*
31.- 34.	96	0.2152E+01	6.025	0.001	0.3718E-02	0.1555E-03*	-0.3490E-01*	0.9212E+00*	0.4052E+00*
35.- 38.	103	0.1739E+01	4.868	0.006	0.3728E-02	0.1555E-03*	-0.3490E-01*	0.9212E+00*	0.4052E+00*
39.- 40.	52	0.2408E+01	6.743	0.007	0.3668E-02	0.1555E-03*	-0.3490E-01*	0.9212E+00*	0.4052E+00*
41.- 43.	88	0.1966E+01	5.504	0.000	0.3753E-02	0.1555E-03*	-0.3490E-01*	0.9212E+00*	0.4052E+00*
44.	27	0.1763E+01	4.938	0.002	0.3683E-02	0.1555E-03*	-0.3490E-01*	0.9212E+00*	0.4052E+00*
45.- 49.	119	0.2285E+01	6.397	0.002	0.3709E-02	0.1555E-03*	-0.3490E-01*	0.9212E+00*	0.4052E+00*
50.- 51.	47	0.2458E+01	6.883	0.002	0.3873E-02	0.1544E-03	-0.3501E-01	0.9096E+00	0.2258E+00
52.- 53.	55	0.2296E+01	6.430	-0.022	0.3775E-02	0.1624E-03*	-0.3554E-01*	0.8683E+00*	0.0000E+00*
54.	28	0.1456E+01	4.076	-0.017	0.3781E-02	0.1624E-03*	-0.3554E-01*	0.8683E+00*	0.0000E+00*
55.	27	0.1732E+01	4.850	-0.014	0.3815E-02	0.1624E-03*	-0.3554E-01*	0.8683E+00*	0.0000E+00*
56.	23	0.2325E+01	6.510	-0.037	0.3723E-02	0.1718E-03*	-0.3437E-01*	0.8648E+00*	0.2839E+00*
57.- 61.	133	0.2133E+01	5.972	-0.039	0.3794E-02	0.1718E-03*	-0.3437E-01*	0.8648E+00*	0.2839E+00*
62.- 66.	127	0.2492E+01	6.978	-0.048	0.3814E-02	0.1718E-03*	-0.3437E-01*	0.8648E+00*	0.2839E+00*
67.- 68.	47	0.2236E+01	6.260	-0.055	0.3852E-02	0.1718E-03*	-0.3437E-01*	0.8648E+00*	0.2839E+00*
69.	32	0.2896E+01	8.110	-0.044	0.3744E-02	0.1645E-03*	-0.3246E-01*	0.9429E+00*	0.2110E+01*
70.- 71.	59	0.3170E+01	8.877	-0.051	0.3747E-02	0.1645E-03*	-0.3246E-01*	0.9429E+00*	0.2110E+01*
72.- 73.	54	0.2369E+01	6.632	-0.053	0.3787E-02	0.1645E-03*	-0.3246E-01*	0.9429E+00*	0.2110E+01*
74.	28	0.2990E+01	8.372	-0.047	0.3795E-02	0.1645E-03*	-0.3246E-01*	0.9429E+00*	0.2110E+01*
75.- 76.	55	0.3084E+01	8.635	-0.053	0.3756E-02	0.1645E-03*	-0.3246E-01*	0.9429E+00*	0.2110E+01*
77.- 78.	56	0.2996E+01	8.389	-0.053	0.3833E-02	0.1645E-03*	-0.3246E-01*	0.9429E+00*	0.2110E+01*
79.	29	0.3313E+01	9.277	-0.078	0.3785E-02	0.1631E-03*	-0.3231E-01*	0.9274E+00*	0.8314E+01*
81.	33	0.2962E+01	8.294	-0.071	0.3780E-02	0.1631E-03*	-0.3231E-01*	0.9274E+00*	0.8314E+01*
80.	27	0.3765E+01	10.542	-0.069	0.3879E-02	0.1639E-03*	-0.3296E-01*	0.9301E+00*	0.4216E+01*
82.	29	0.3045E+01	8.527	-0.069	0.3865E-02	0.1639E-03*	-0.3296E-01*	0.9301E+00*	0.4216E+01*
83.- 84.	63	0.2949E+01	8.256	-0.043	0.3676E-02	0.1734E-03*	-0.3081E-01*	0.8126E+00*	0.7552E+01*
85.	32	0.3562E+01	9.974	-0.056	0.3832E-02	0.1734E-03*	-0.3081E-01*	0.8126E+00*	0.7552E+01*
86.- 87.	63	0.2685E+01	7.517	-0.095	0.3367E-02	0.2715E-03	-0.2500E-01	0.1000E+01*	0.7074E+01
88.	27	0.4408E+01	12.341	-0.068	0.2384E-02	0.2626E-03	-0.1120E-01	0.1000E+01*	0.1272E+01
90.- 91.	60	0.4012E+01	11.235	-0.042	0.2787E-02	0.2117E-03	-0.2016E-01	0.7760E+00	0.1469E+02
92.	28	0.2978E+01	8.339	-0.036	0.2917E-02	0.2074E-03*	-0.2239E-01*	0.1000E+01*	0.2826E+01*
93.- 94.	55	0.2886E+01	8.079	-0.030	0.2954E-02	0.2074E-03*	-0.2239E-01*	0.1000E+01*	0.2826E+01*
95.	31	0.5268E+01	14.749	-0.081	0.3378E-02	0.2400E-03*	-0.2640E-01*	0.1000E+01*	0.1182E+02*
96.- 101.(-98-100)	118	0.2733E+01	7.652	-0.071	0.3380E-02	0.2400E-03*	-0.2640E-01*	0.1000E+01*	0.1182E+02*
98.	27	0.1623E+01	4.545	-0.066	0.3355E-02	0.2400E-03*	-0.2640E-01*	0.1000E+01*	0.1182E+02*
99.	30	0.1676E+01	4.692	-0.063	0.3617E-02	0.2207E-03*	-0.2788E-01*	0.1000E+01*	0.5931E+01*
100.	27	0.1961E+01	5.492	-0.064	0.3689E-02	0.2207E-03*	-0.2788E-01*	0.1000E+01*	0.5931E+01*

Table 2. (continued).

102.- 103.	63	0.2716E+01	7.606	-0.060	0.3854E-02	0.2117E-03*	-0.2914E-01*	0.1000E+01*	0.1204E+02*
104.- 106.	86	0.2413E+01	6.757	-0.052	0.3851E-02	0.2117E-03*	-0.2914E-01*	0.1000E+01*	0.1204E+02*
107.- 108.	57	0.2799E+01	7.837	-0.048	0.3885E-02	0.2117E-03*	-0.2914E-01*	0.1000E+01*	0.1204E+02*
109.- 110.	58	0.2521E+01	7.059	-0.037	0.3918E-02	0.1940E-03*	-0.2844E-01*	0.9809E+00*	0.3359E+01*
112.- 113.	59	0.2120E+01	5.936	-0.042	0.4016E-02	0.1940E-03*	-0.2844E-01*	0.9809E+00*	0.3359E+01*
114.- 115.	62	0.3785E+01	10.598	-0.045	0.4200E-02	0.1940E-03*	-0.2844E-01*	0.9809E+00*	0.3359E+01*
116.	29	0.3400E+01	9.521	-0.013	0.4051E-02	0.1594E-03*	-0.2684E-01*	0.1000E+01*	0.9424E+01*
117.	28	0.3161E+01	8.851	-0.010	0.4152E-02	0.1594E-03*	-0.2684E-01*	0.1000E+01*	0.9424E+01*
118.	26	0.1365E+01	3.822	-0.010	0.4350E-02	0.1594E-03*	-0.2684E-01*	0.1000E+01*	0.9424E+01*
119.- 121.	86	0.2902E+01	8.125	-0.012	0.4272E-02	0.1594E-03*	-0.2684E-01*	0.1000E+01*	0.9424E+01*
122.- 124.	71	0.4048E+01	11.334	0.002	0.4572E-02	0.1240E-03*	-0.2500E-01*	0.1000E+01*	0.1329E+02*
125.- 129.	130	0.6020E+01	16.857	-0.008	0.5245E-02	0.1240E-03*	-0.2500E-01*	0.1000E+01*	0.1329E+02*
130.- 133.	95	0.8419E+01	23.574	-0.009	0.6380E-02	0.1067E-03*	-0.2500E-01*	0.1000E+01*	0.3378E+01*
134.- 138.	134	0.4683E+01	13.113	-0.016	0.6649E-02	0.1067E-03*	-0.2500E-01*	0.1000E+01*	0.3378E+01*
139.- 142.	110	0.4953E+01	13.869	-0.017	0.6955E-02	0.1031E-03*	-0.2500E-01*	0.1000E+01*	0.6510E+01*
143.- 152. (-151)	267	0.4434E+01	12.416	-0.015	0.7174E-02	0.1031E-03*	-0.2500E-01*	0.1000E+01*	0.6510E+01*
151.- 158. (-151)	204	0.3593E+01	10.059	0.009	0.6064E-02	0.1308E-03	-0.2500E-01*	0.1000E+01*	0.0000E+00*
159.	29	0.2659E+01	7.446	0.004	0.5839E-02	0.1352E-03*	-0.1731E-01*	0.1000E+01*	0.6769E+01*
161.- 169(-166,167)	203	0.4558E+01	12.763	-0.003	0.5818E-02	0.1352E-03*	-0.1731E-01*	0.1000E+01*	0.6769E+01*
166.- 167.	58	0.3529E+01	9.882	-0.006	0.6144E-02	0.1352E-03*	-0.1731E-01*	0.1000E+01*	0.6769E+01*
170.- 172.	84	0.4574E+01	12.807	-0.002	0.5860E-02	0.1233E-03*	-0.1655E-01*	0.1000E+01*	0.1803E+02*
173.	26	0.2635E+01	7.377	-0.004	0.5792E-02	0.1233E-03*	-0.1655E-01*	0.1000E+01*	0.1803E+02*
174.- 194.	513	0.4043E+01	11.321	-0.007	0.6021E-02	0.1233E-03*	-0.1655E-01*	0.1000E+01*	0.1803E+02*

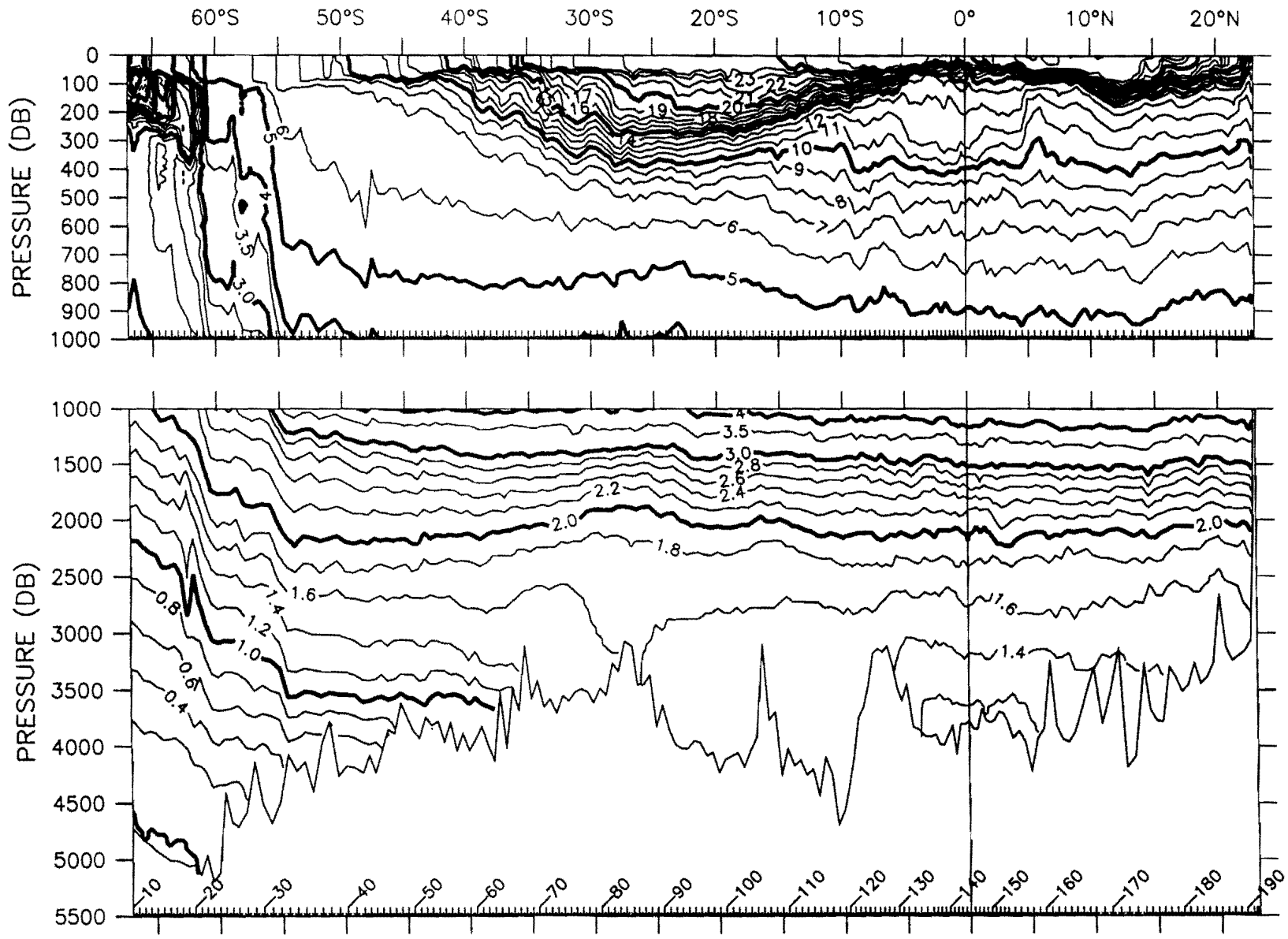


Fig. 4. Potential temperature (°C) section along 110°W. Contour intervals are 0.2 from –2–3°C, 0.5 from 3–4°C, and 1 from 4–35°C.

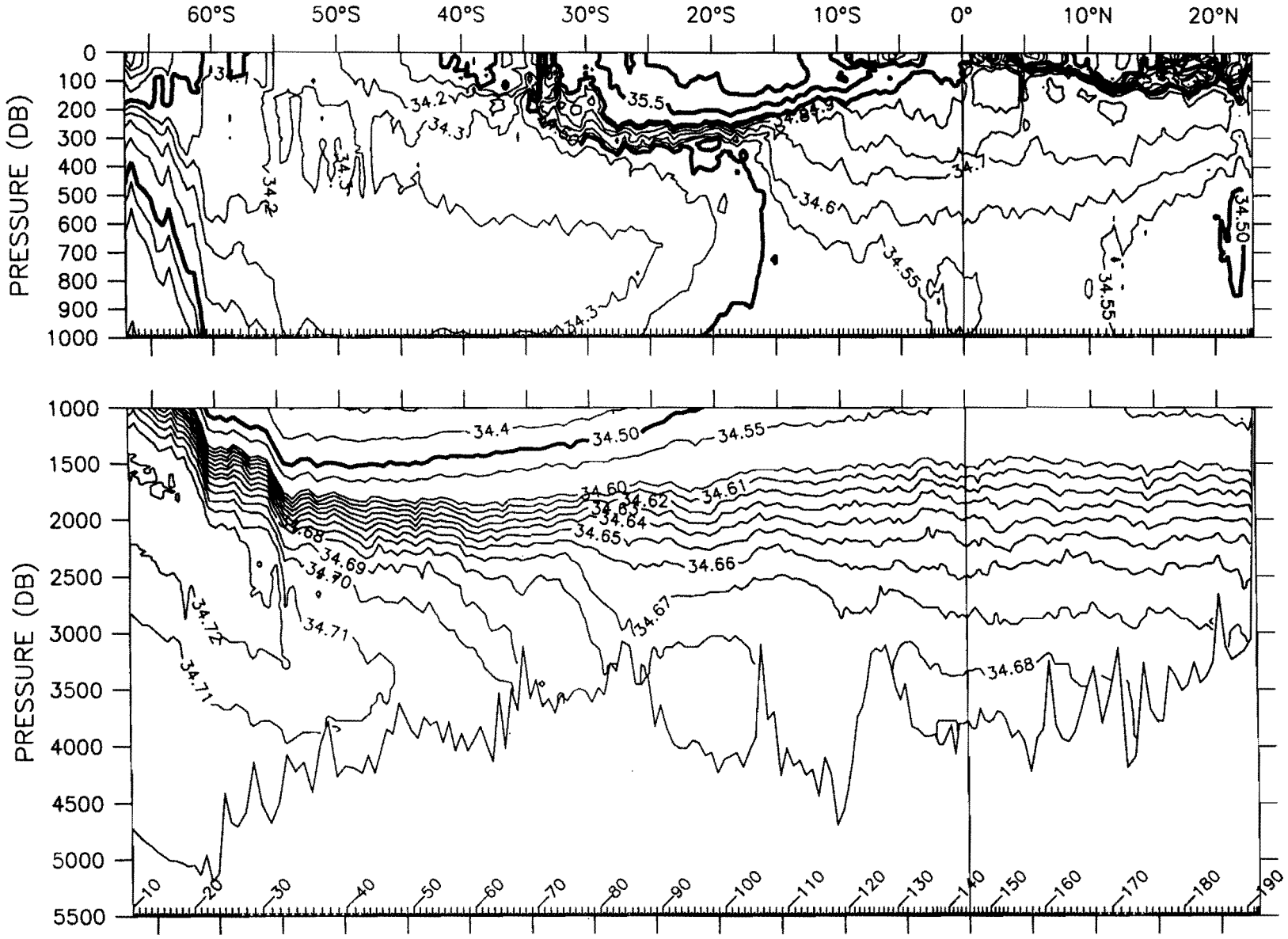


Fig. 5. Salinity (psu) section along 110°W. Contour intervals are 0.1 from 32–34.5 psu, 0.05 from 34.5–34.6 psu, 0.1 from 34.6–35 psu, 0.5 from 35–37 psu in the upper panel. Contour intervals are 0.1 from 32–34.5 psu, 0.05 from 34.5–34.6 psu, and 0.01 from 34.6–34.8 psu, 0.1 from 34.8–35, and 1.0 from 35–37 psu in the lower panel.

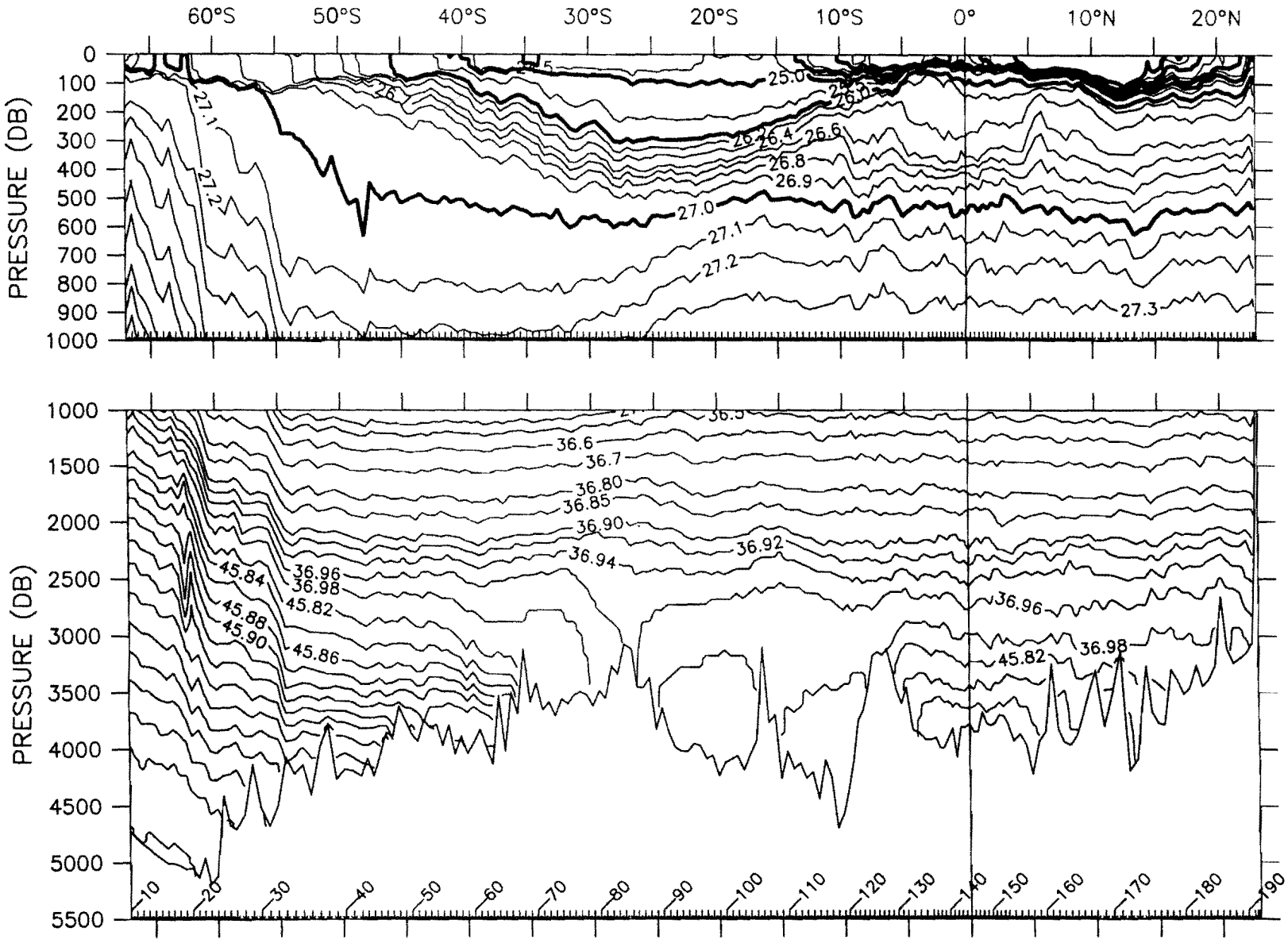


Fig. 6. CTD oxygen (μmol kg^{-1}) section along 110°W. Contour intervals are 5 from 0–20 μmol kg^{-1} and 20 from 20–400 μmol kg^{-1}.

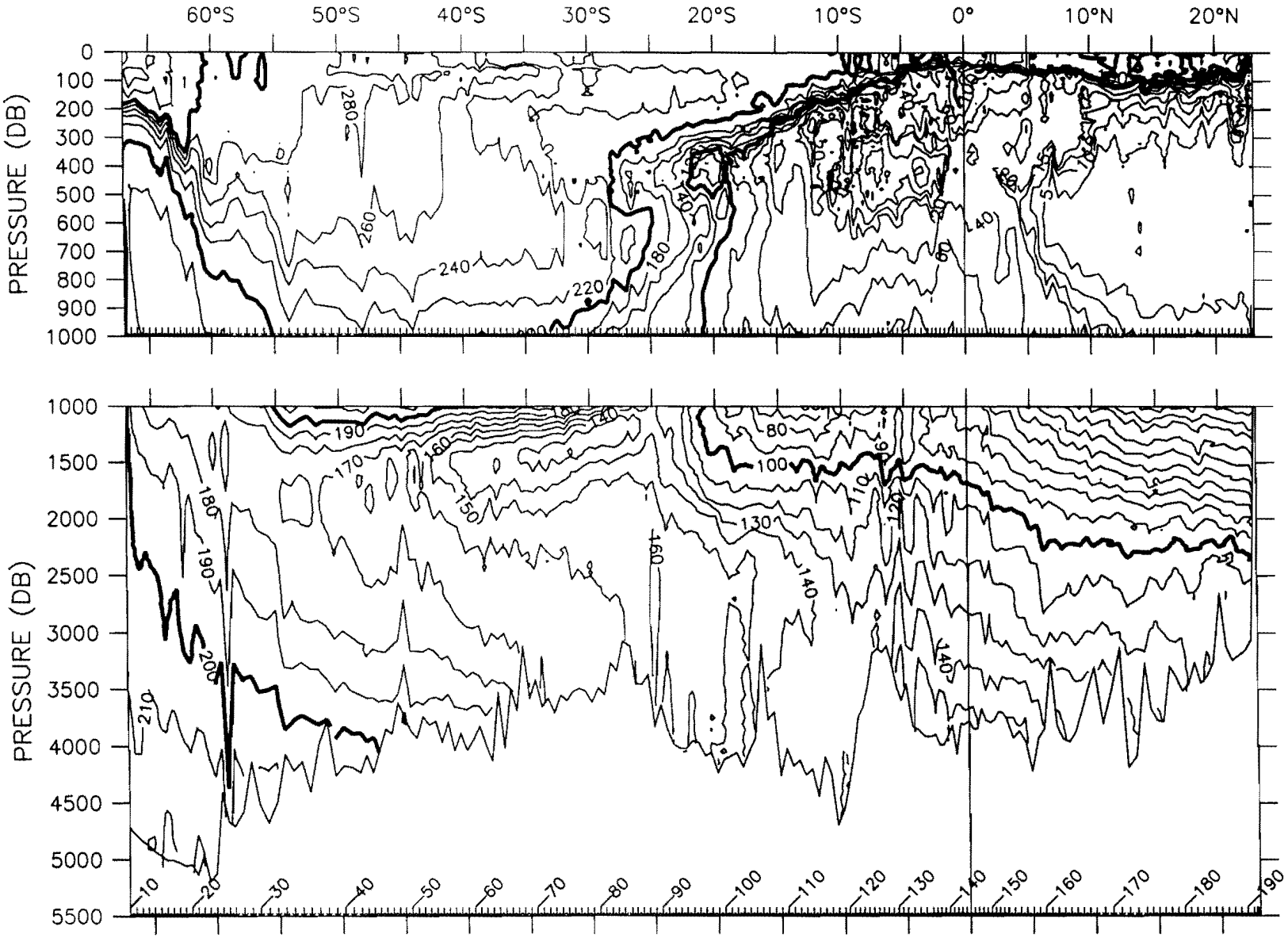


Fig. 7. Potential density (kg m^3) section along 110°W. Sigma-theta contour intervals are 0.5 from 22–26, 0.2 from 26–26.6, and 0.1 from 26.6–27.4. Sigma-2 contour intervals are 0.1 from 36.7–36.8, 0.05 from 36.8–36.9, and 0.02 from 36.9–37. Sigma-4 contour intervals are 0.02 from 45.82–48.

TABLE 3. Weather condition code used to describe each set of CTD/O_2 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 4. Sea state code used to describe each set of CTD/O_2 measurements.

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

TABLE 5. Visibility code used to describe each set of CTD/O_2 measurements.

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

TABLE 6. Cloud type.

Code	Cloud Types
0	Cirrus
1	Cirrocumulus
2	Cirrostratus
3	Altocumulus
4	Altostratus
5	Nimbostratus
6	Stratocumulus
7	Stratus
8	Cumulus
9	Cumulonimbus
X	Clouds not visible

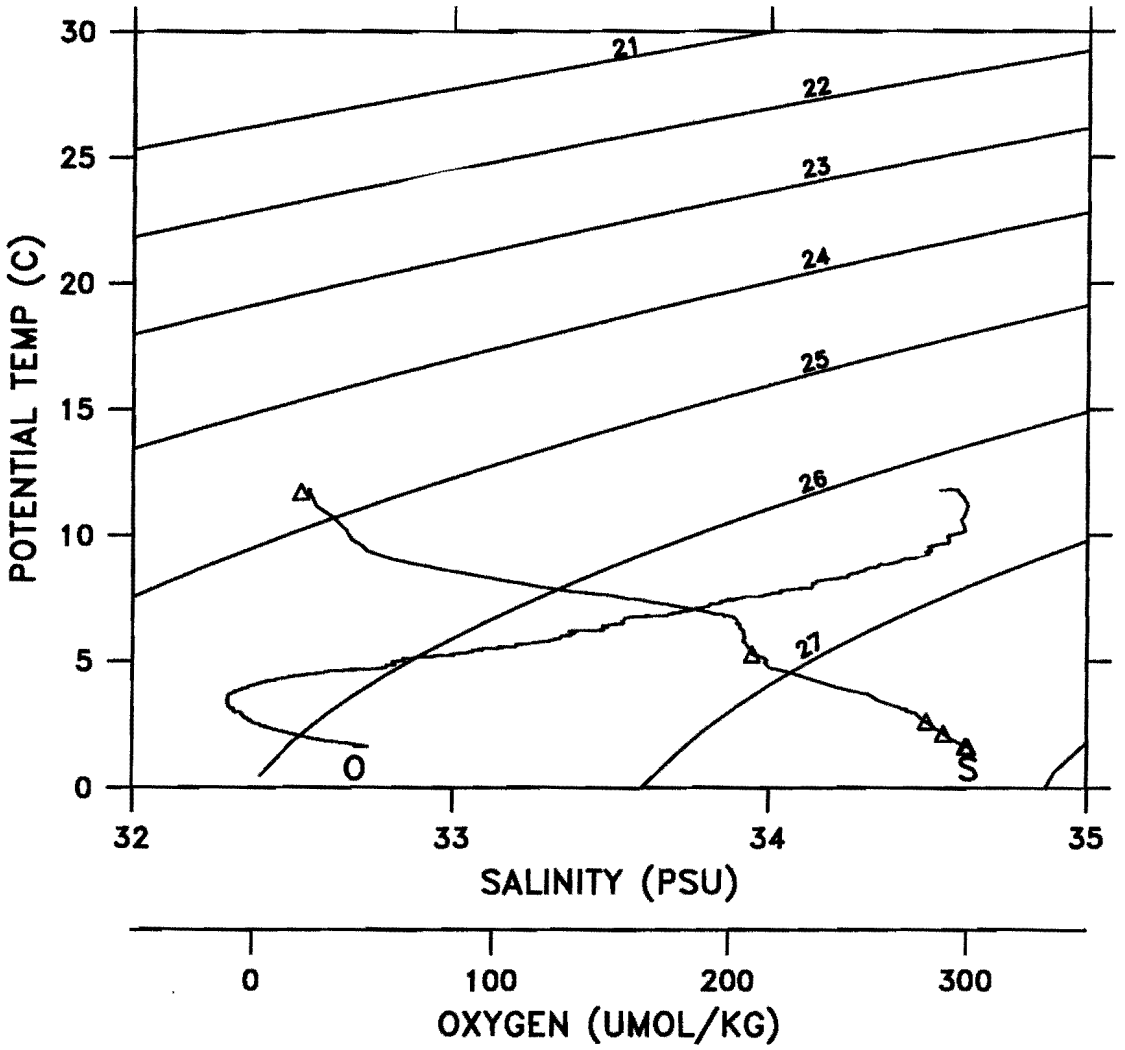
TABLE 7. Cloud amount.

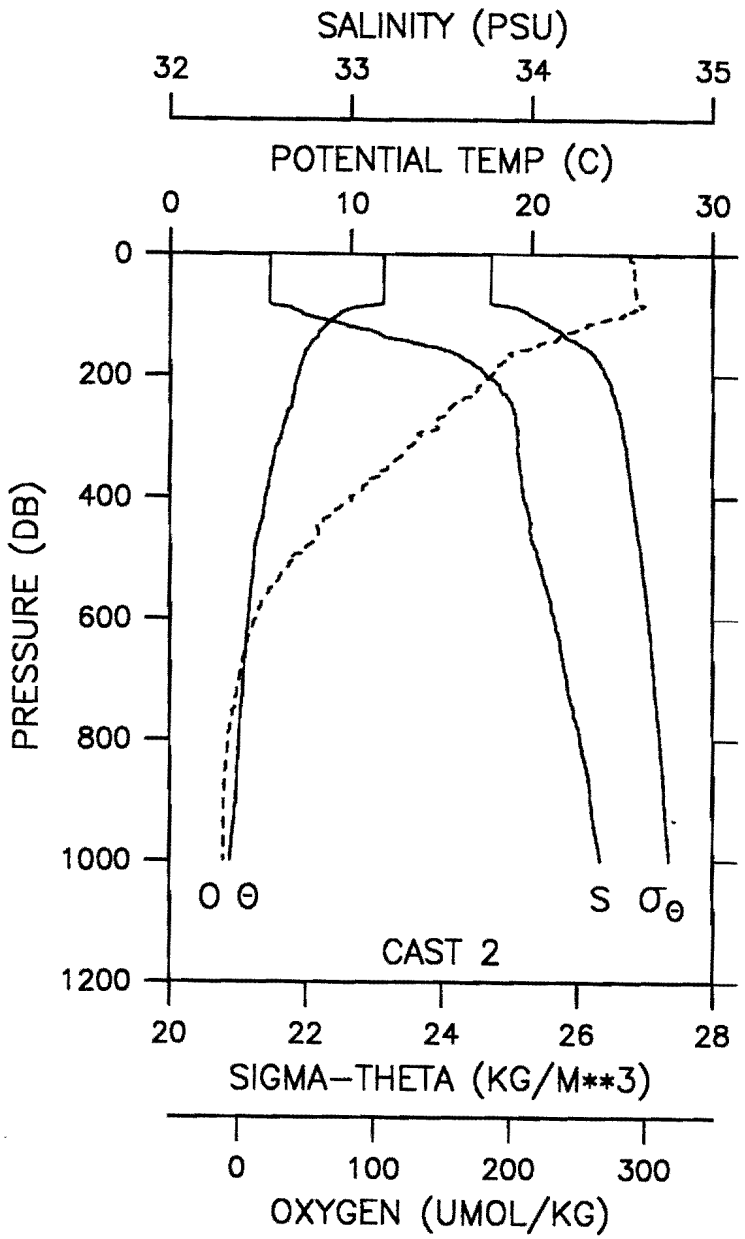
Code	Cloud Amount
0	0
1	1/10 or less but not zero
2	2/10–3/10
3	4/10
4	5/10
5	6/10
6	7/10–8/10
7	9/10
8	10/10
9	Sky obscured or not determined

CTD DATA SUMMARY

CAST CG1-94-DI -002 DATE 28 JAN 94 TIME 0754 GMT

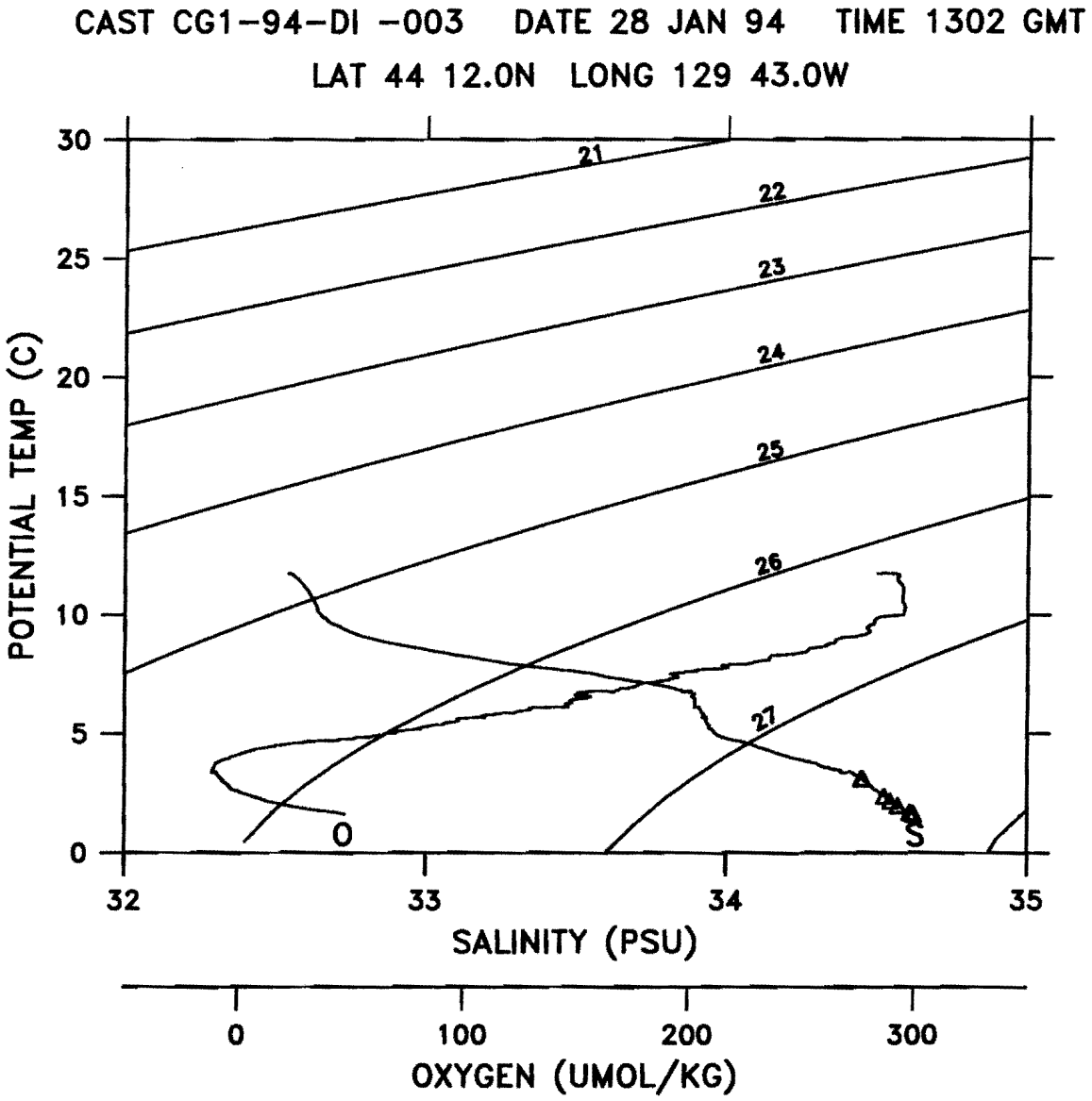
LAT 44 14.1N LONG 129 40.5W





CAST CG1-94-DI -002 DATE 28 JAN 94 TIME 0754 GMT
LAT 44 14.1N LONG 129 40.5W WEATHER SEA STATE
BAROMETER WIND DIR T SPD KT VISIBILITY
CLOUD AMOUNT DRY WET DEPTH M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	11.785	32.555	289.1	24.731	0.000
10	11.790	32.553	290.4	24.728	0.032
20	11.803	32.552	292.1	24.725	0.064
30	11.804	32.552	292.3	24.725	0.096
40	11.800	32.551	292.4	24.725	0.129
50	11.799	32.551	292.4	24.725	0.161
60	11.793	32.550	292.9	24.726	0.193
70	11.791	32.549	293.5	24.726	0.225
80	11.773	32.550	296.1	24.730	0.257
90	9.963	32.679	291.7	25.147	0.288
100	9.343	32.739	282.7	25.294	0.315
110	8.841	32.886	267.0	25.488	0.341
120	8.521	33.018	254.1	25.641	0.365
130	8.213	33.154	239.8	25.793	0.388
140	8.028	33.241	235.3	25.888	0.410
150	7.729	33.401	220.9	26.058	0.430
160	7.489	33.545	204.0	26.205	0.449
170	7.378	33.613	197.4	26.274	0.467
180	7.261	33.672	193.9	26.337	0.485
190	7.153	33.718	189.6	26.388	0.502
200	7.098	33.746	185.9	26.418	0.518
250	6.726	33.891	157.9	26.582	0.595
300	6.122	33.918	134.3	26.682	0.666
350	5.642	33.931	110.6	26.752	0.734
400	5.254	33.953	82.7	26.816	0.799
450	4.960	33.989	58.3	26.879	0.861
500	4.653	34.036	42.9	26.950	0.920
550	4.488	34.082	23.1	27.005	0.976
600	4.330	34.123	13.3	27.054	1.030
650	4.197	34.159	5.9	27.097	1.082
700	4.057	34.193	1.1	27.138	1.132
750	3.927	34.230	-2.9	27.181	1.181
800	3.821	34.267	-6.7	27.221	1.227
900	3.648	34.323	-10.2	27.283	1.315
1000	3.327	34.378	-10.5	27.358	1.397
1500	2.405	34.522	5.0	27.556	1.742
2000	1.778	34.600	36.6	27.669	2.017
2500	1.639	34.624	47.1	27.698	2.266
3000	1.621	34.628	46.7	27.703	2.518
3500	1.620	34.628	44.2	27.703	2.780
3661	1.620	34.629	42.8	27.703	2.868


CAST CG1-94-DI -003 DATE 28 JAN 94 TIME 1302 GMT
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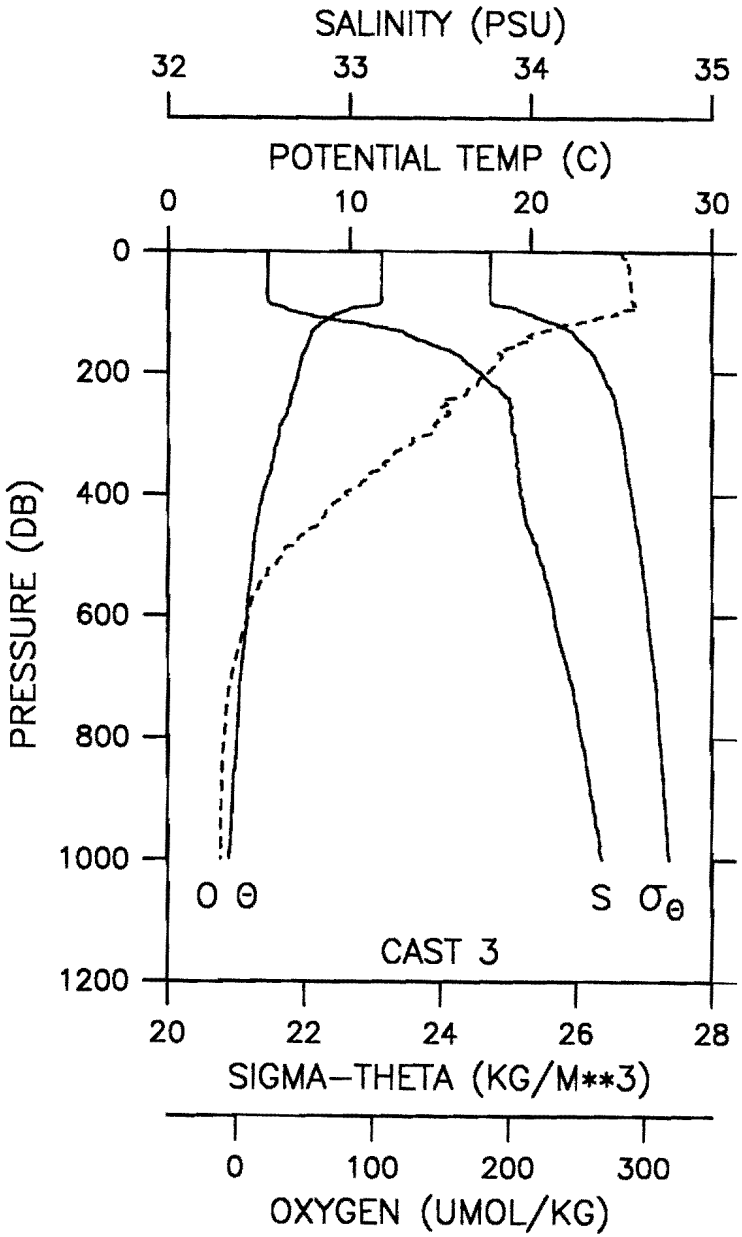
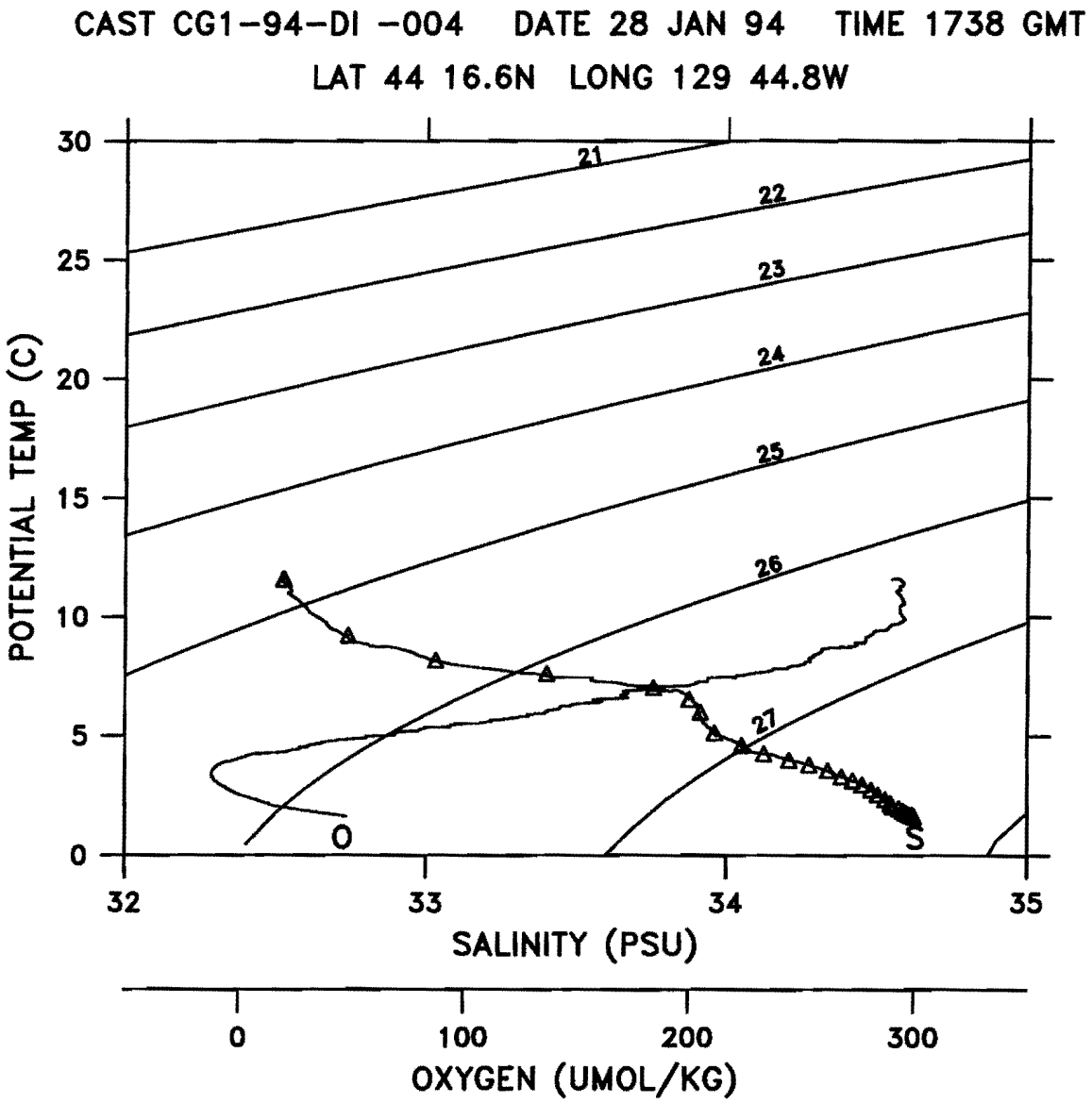
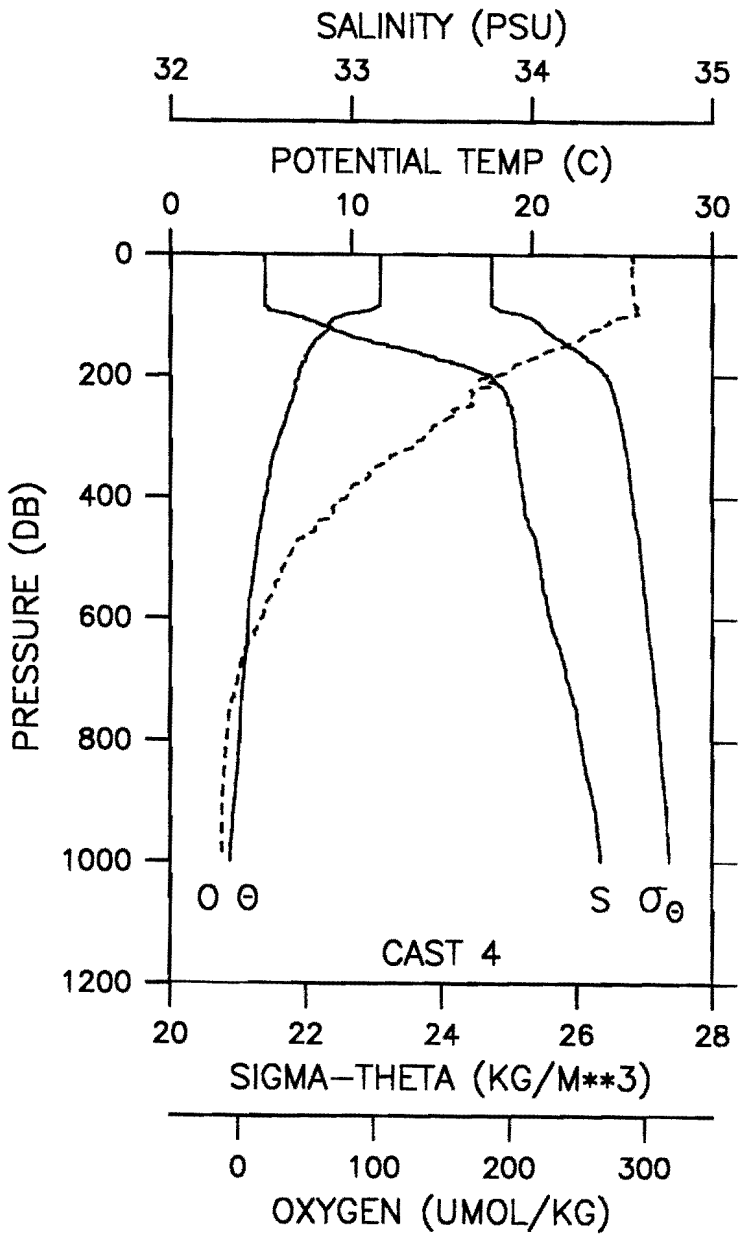
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
O
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
OXYGEN (UMOL/KG)



CAST CG1-94-DI -003 DATE 28 JAN 94 TIME 1302 GMT
LAT 44 12.0N LONG 129 43.0W WEATHER SEA STATE
BAROMETER WIND DIR T SPD KT VISIBILITY
CLOUD AMOUNT DRY WET DEPTH M

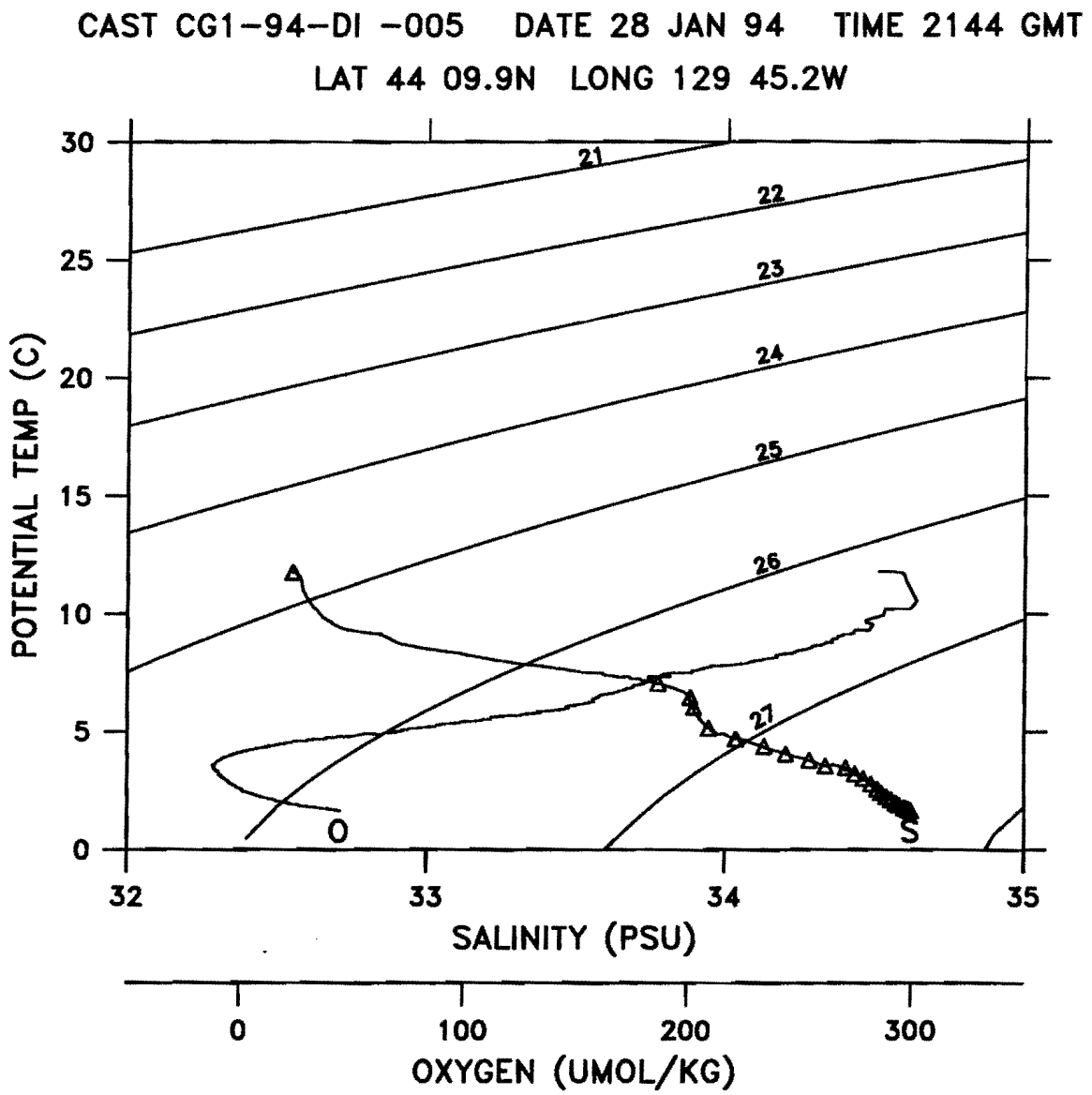
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	11.738	32.549	283.5	24.735	0.000
10	11.747	32.547	285.5	24.732	0.032
20	11.744	32.547	288.0	24.733	0.064
30	11.743	32.547	289.2	24.732	0.096
40	11.747	32.547	289.6	24.732	0.128
50	11.748	32.547	290.0	24.732	0.160
60	11.738	32.545	290.3	24.732	0.193
70	11.724	32.543	290.6	24.733	0.225
80	11.737	32.549	291.0	24.735	0.257
90	11.003	32.608	295.0	24.913	0.289
100	9.556	32.703	280.1	25.232	0.317
110	8.846	32.868	264.9	25.473	0.344
120	8.313	33.096	241.8	25.733	0.368
130	7.983	33.255	228.4	25.907	0.390
140	7.836	33.342	215.6	25.996	0.410
150	7.723	33.428	212.3	26.079	0.430
160	7.605	33.508	198.6	26.160	0.449
170	7.430	33.588	194.8	26.247	0.468
180	7.323	33.635	192.8	26.300	0.485
190	7.245	33.675	189.5	26.341	0.502
200	7.145	33.721	184.1	26.392	0.519
250	6.724	33.885	154.5	26.578	0.598
300	6.116	33.904	142.7	26.672	0.670
350	5.686	33.919	108.2	26.738	0.738
400	5.205	33.942	80.8	26.813	0.803
450	4.888	33.981	60.0	26.880	0.865
500	4.679	34.044	34.9	26.953	0.924
550	4.497	34.093	16.9	27.012	0.980
600	4.349	34.129	8.1	27.057	1.033
650	4.181	34.168	2.4	27.106	1.085
700	3.997	34.211	-3.4	27.159	1.135
750	3.885	34.251	-7.0	27.202	1.182
800	3.821	34.278	-8.7	27.230	1.227
900	3.574	34.338	-11.0	27.302	1.314
1000	3.365	34.394	-11.0	27.367	1.395
1500	2.414	34.524	5.2	27.557	1.741
2000	1.770	34.602	36.9	27.671	2.016
2500	1.634	34.626	47.1	27.700	2.263
2749	1.625	34.627	46.8	27.702	2.387


CAST CG1-94-DI -004 DATE 28 JAN 94 TIME 1738 GMT
LAT 44 16.6N LONG 129 44.8W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
O
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
OXYGEN (UMOL/KG)



CAST CG1-94-DI -004 DATE 28 JAN 94 TIME 1738 GMT
LAT 44 16.6N LONG 129 44.8W WEATHER SEA STATE
BAROMETER WIND DIR T SPD KT VISIBILITY
CLOUD AMOUNT DRY WET DEPTH M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	11.592	32.516	291.4	24.736	0.000
10	11.588	32.520	292.1	24.740	0.032
20	11.593	32.520	290.4	24.739	0.064
30	11.604	32.521	290.9	24.738	0.096
40	11.607	32.522	291.0	24.738	0.128
50	11.615	32.523	291.1	24.737	0.160
60	11.604	32.521	291.5	24.737	0.192
70	11.602	32.520	292.0	24.738	0.224
80	11.600	32.521	292.2	24.738	0.257
90	11.224	32.543	293.8	24.823	0.288
100	9.668	32.669	289.2	25.187	0.318
110	8.943	32.770	273.5	25.381	0.345
120	8.749	32.868	267.2	25.488	0.371
130	8.489	32.956	257.5	25.597	0.395
140	8.062	33.069	251.6	25.749	0.419
150	7.831	33.206	242.4	25.890	0.441
160	7.630	33.347	227.7	26.030	0.461
170	7.484	33.469	218.8	26.146	0.481
180	7.279	33.585	206.1	26.266	0.499
190	7.139	33.681	200.2	26.361	0.516
200	7.077	33.775	190.2	26.443	0.533
250	6.577	33.887	170.8	26.599	0.610
300	6.014	33.905	137.2	26.686	0.681
350	5.521	33.929	101.4	26.765	0.748
400	5.228	33.951	80.1	26.818	0.813
450	4.976	33.988	56.9	26.876	0.875
500	4.721	34.036	36.8	26.943	0.934
550	4.482	34.061	27.2	26.988	0.991
600	4.295	34.100	17.6	27.039	1.045
650	4.207	34.159	5.2	27.095	1.098
700	4.047	34.193	-0.3	27.140	1.148
750	3.885	34.249	-6.2	27.201	1.195
800	3.804	34.271	-8.2	27.227	1.241
900	3.547	34.339	-11.4	27.306	1.329
1000	3.308	34.381	-11.8	27.362	1.409
1500	2.378	34.527	5.3	27.562	1.752
2000	1.789	34.598	35.1	27.666	2.027
2500	1.644	34.623	46.7	27.697	2.274
3000	1.617	34.629	46.7	27.704	2.526
3019	1.617	34.629	46.3	27.704	2.536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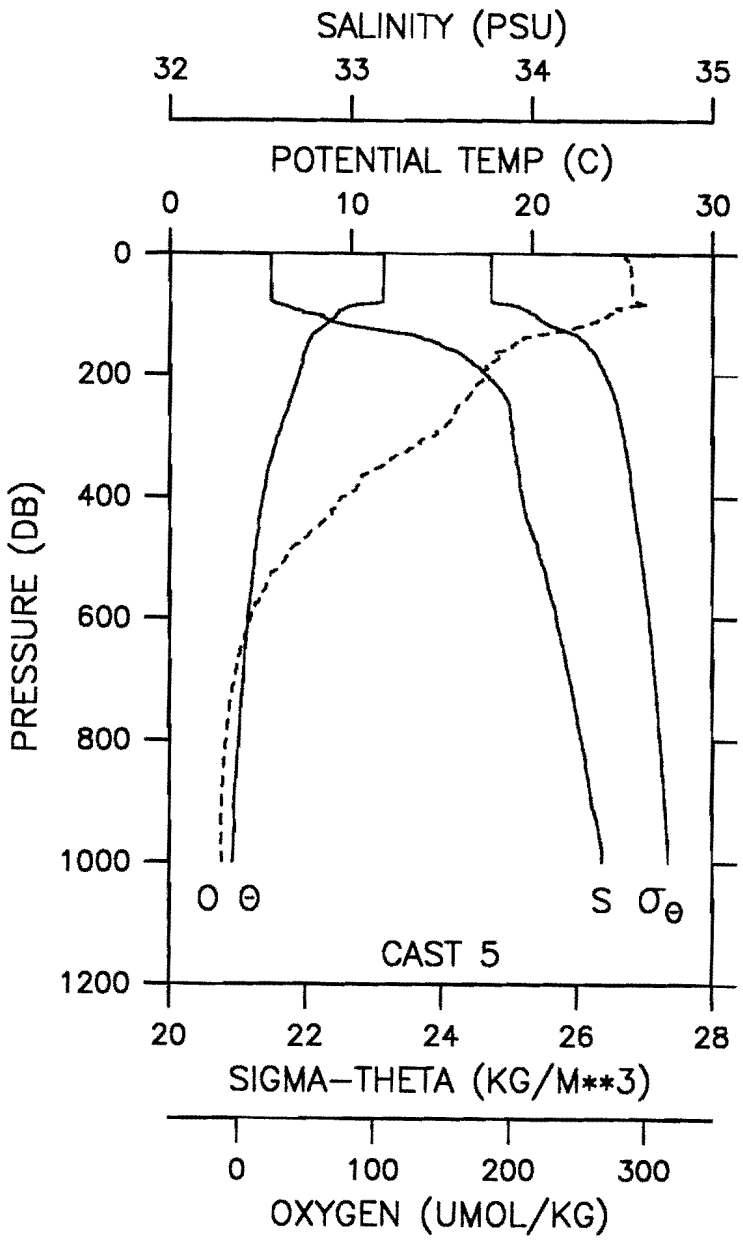
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
O
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
OXYGEN (UMOL/KG)

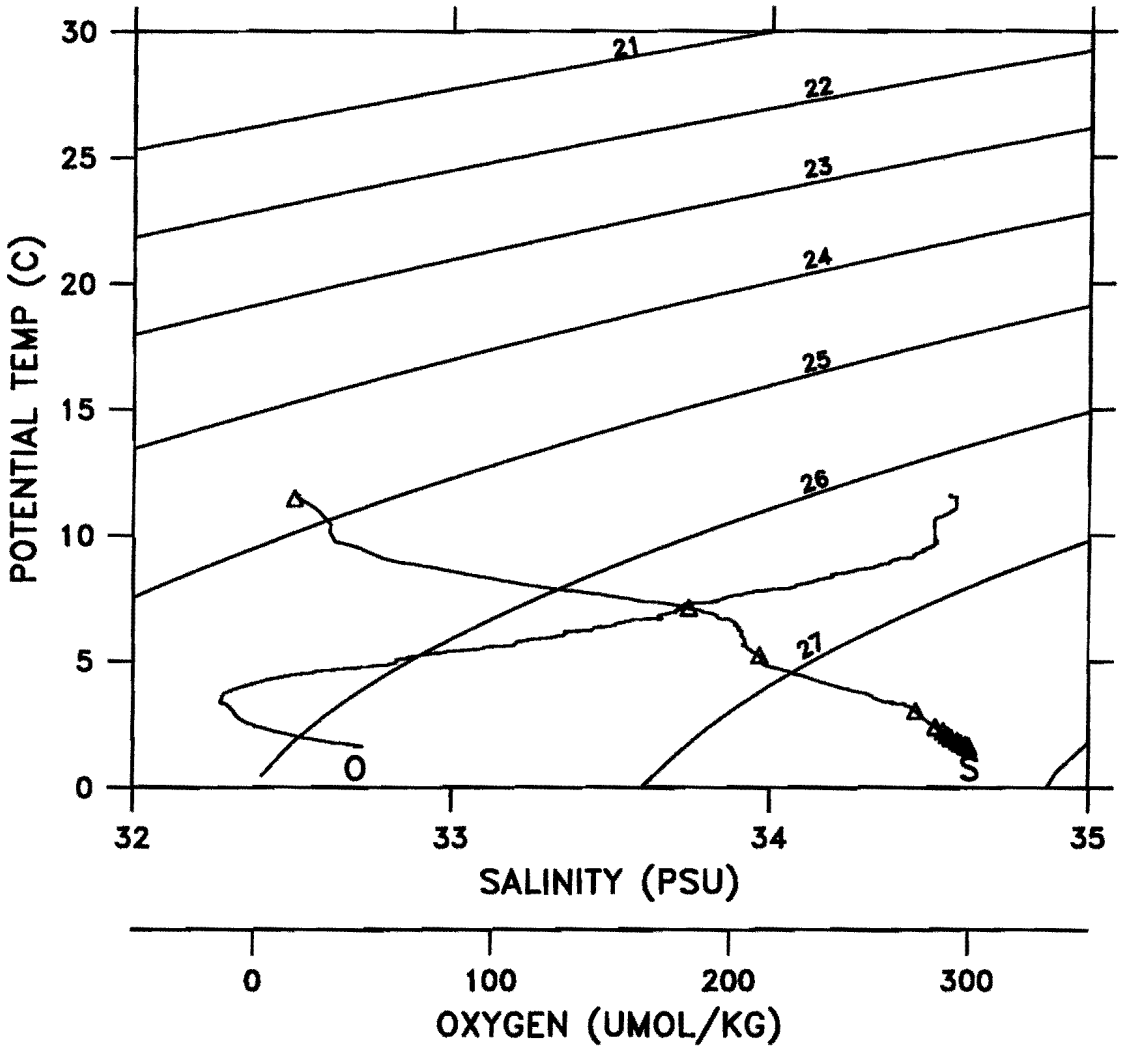


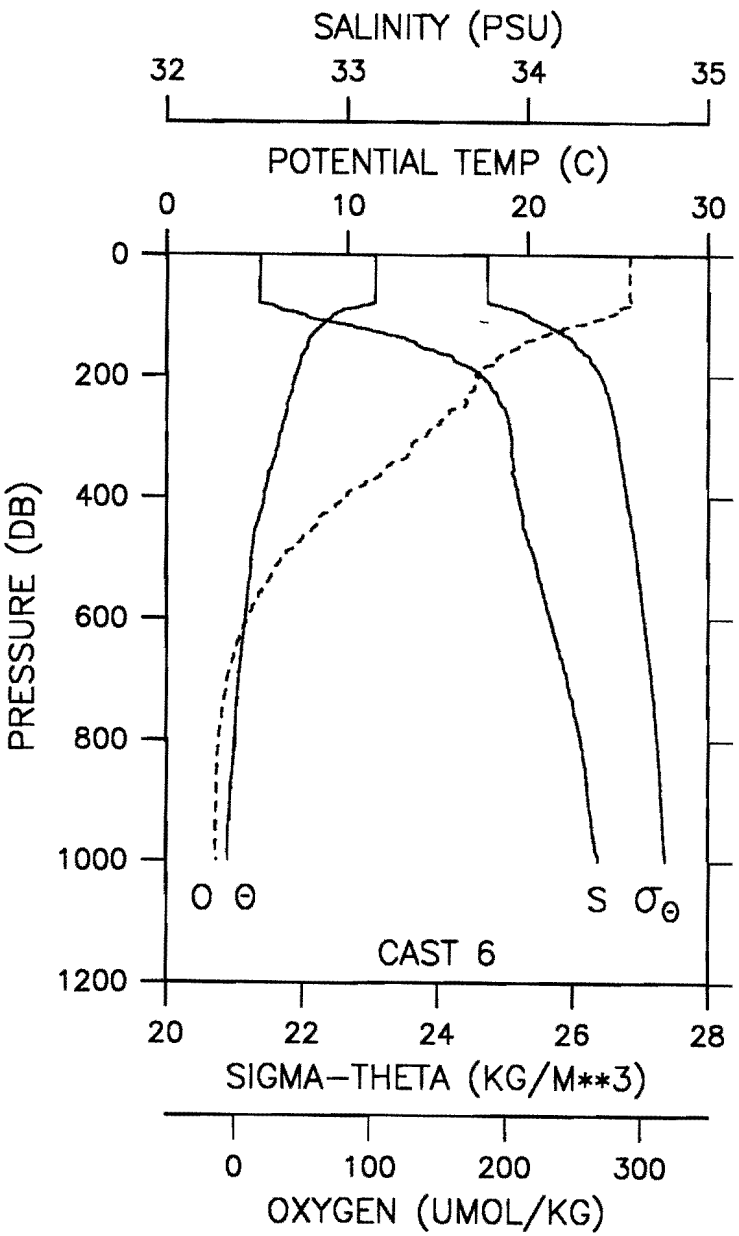
CAST CG1-94-DI -005 DATE 28 JAN 94 TIME 2144 GMT
LAT 44 09.9N LONG 129 45.2W WEATHER SEA STATE
BAROMETER WIND DIR T SPD KT VISIBILITY
CLOUD AMOUNT DRY WET DEPTH M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	11.790	32.559	285.1	24.733	0.000
10	11.789	32.557	287.7	24.732	0.032
20	11.788	32.557	289.6	24.732	0.064
30	11.787	32.557	290.1	24.732	0.096
40	11.786	32.557	290.3	24.732	0.128
50	11.787	32.557	290.7	24.732	0.160
60	11.785	32.557	290.8	24.733	0.193
70	11.785	32.557	291.4	24.732	0.225
80	11.697	32.562	295.9	24.753	0.257
90	9.717	32.668	279.1	25.178	0.287
100	9.204	32.793	273.9	25.358	0.314
110	8.938	32.876	265.1	25.465	0.339
120	8.498	33.009	252.8	25.637	0.364
130	8.036	33.232	232.8	25.880	0.386
140	7.766	33.392	210.3	26.046	0.407
150	7.590	33.488	204.1	26.146	0.426
160	7.491	33.568	197.4	26.223	0.445
170	7.351	33.628	192.3	26.290	0.462
180	7.330	33.667	185.5	26.324	0.480
190	7.214	33.715	184.2	26.377	0.497
200	7.113	33.746	182.1	26.416	0.513
250	6.561	33.875	162.5	26.592	0.590
300	5.946	33.897	144.7	26.688	0.662
350	5.453	33.922	105.4	26.768	0.729
400	5.138	33.948	76.7	26.825	0.794
450	4.905	33.991	59.3	26.886	0.855
500	4.678	34.045	35.5	26.955	0.914
550	4.519	34.091	20.9	27.009	0.970
600	4.320	34.136	9.3	27.066	1.023
650	4.178	34.176	2.2	27.113	1.075
700	4.055	34.210	-2.7	27.152	1.124
750	3.927	34.244	-6.1	27.192	1.172
800	3.812	34.276	-8.4	27.229	1.218
900	3.570	34.330	-11.4	27.297	1.305
1000	3.437	34.388	-11.6	27.355	1.387
1500	2.430	34.521	3.8	27.553	1.734
2000	1.775	34.601	34.9	27.669	2.011
2500	1.649	34.623	44.3	27.697	2.260
2571	1.648	34.623	44.2	27.697	2.296

CAST CG1-94-DI -006 DATE 29 JAN 94 TIME 0227 GMT

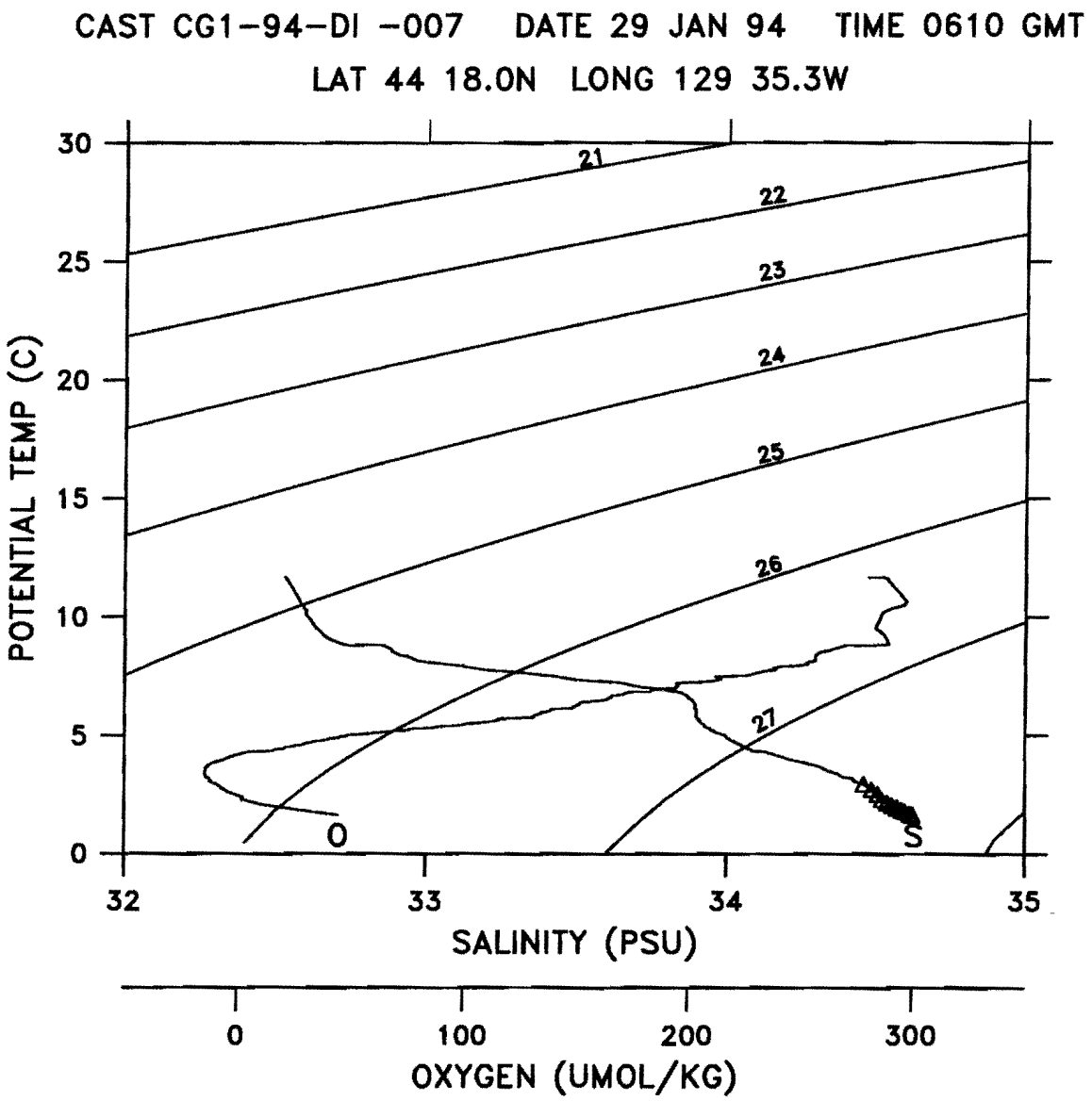
LAT 44 14.0N LONG 129 40.0W

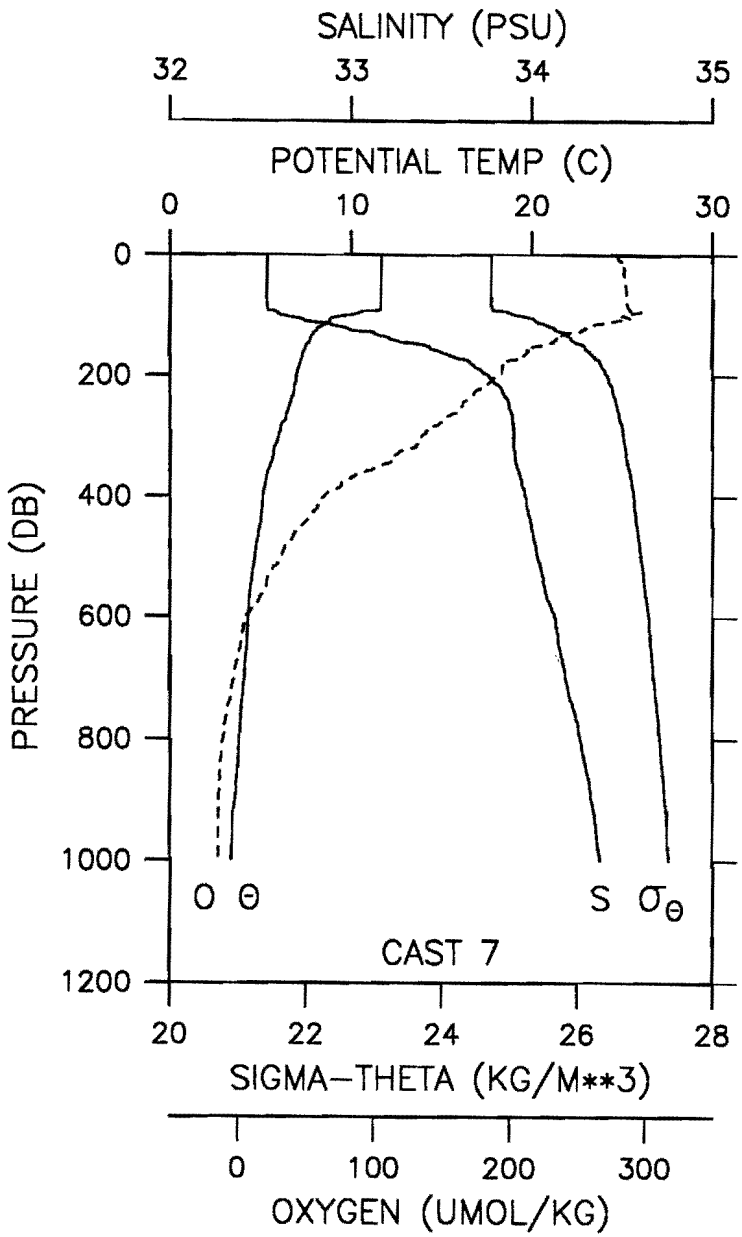




CAST CG1-94-DI -006 DATE 29 JAN 94 TIME 0227 GMT
LAT 44 14.0N LONG 129 40.0W WEATHER SEA STATE
BAROMETER WIND DIR T SPD KT VISIBILITY
CLOUD AMOUNT DRY WET DEPTH M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	11.577	32.518	292.3	24.740	0.000
10	11.576	32.517	292.4	24.740	0.032
20	11.575	32.516	291.9	24.740	0.064
30	11.575	32.517	292.4	24.740	0.096
40	11.564	32.514	292.3	24.740	0.128
50	11.555	32.512	291.8	24.740	0.160
60	11.540	32.511	292.3	24.741	0.192
70	11.531	32.510	292.2	24.743	0.224
80	11.481	32.515	294.7	24.755	0.256
90	9.803	32.629	285.8	25.134	0.287
100	9.182	32.766	276.8	25.341	0.314
110	8.828	32.892	261.8	25.495	0.340
120	8.476	33.039	244.2	25.663	0.364
130	8.093	33.206	231.6	25.851	0.386
140	7.864	33.332	218.2	25.984	0.407
150	7.777	33.393	209.8	26.044	0.427
160	7.600	33.494	200.4	26.149	0.447
170	7.414	33.586	193.7	26.248	0.465
180	7.359	33.629	193.3	26.289	0.483
190	7.228	33.704	181.6	26.367	0.500
200	7.105	33.743	178.8	26.415	0.516
250	6.680	33.861	169.5	26.565	0.594
300	6.223	33.908	138.9	26.661	0.667
350	5.794	33.921	112.5	26.726	0.736
400	5.382	33.948	80.6	26.797	0.802
450	4.911	33.975	58.7	26.873	0.865
500	4.676	34.037	33.9	26.948	0.924
550	4.497	34.079	19.7	27.001	0.980
600	4.342	34.123	8.7	27.053	1.034
650	4.151	34.174	1.2	27.114	1.086
700	3.974	34.218	-5.4	27.167	1.135
750	3.856	34.256	-9.1	27.209	1.182
800	3.769	34.293	-11.6	27.247	1.227
900	3.532	34.335	-13.3	27.304	1.312
1000	3.373	34.389	-13.6	27.362	1.393
1500	2.379	34.525	3.6	27.561	1.740
2000	1.763	34.603	34.5	27.672	2.014
2500	1.639	34.625	44.8	27.699	2.261
3000	1.622	34.629	44.6	27.703	2.512
3299	1.621	34.629	43.2	27.703	2.668


CAST CG1-94-DI -007 DATE 29 JAN 94 TIME 0610 GMT
LAT 44 18.0N LONG 129 35.3W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
O
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
OXYGEN (UMOL/KG)

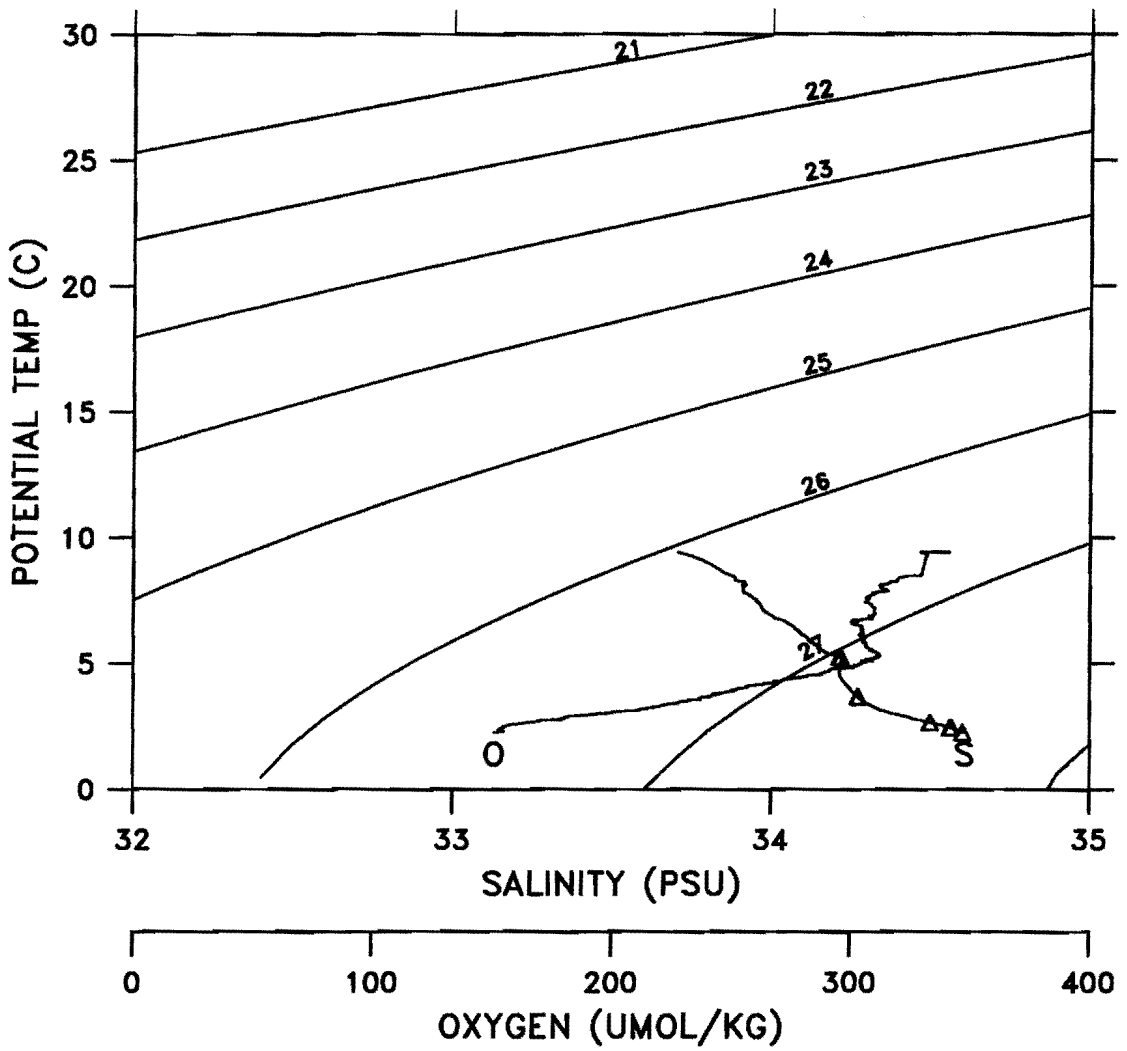


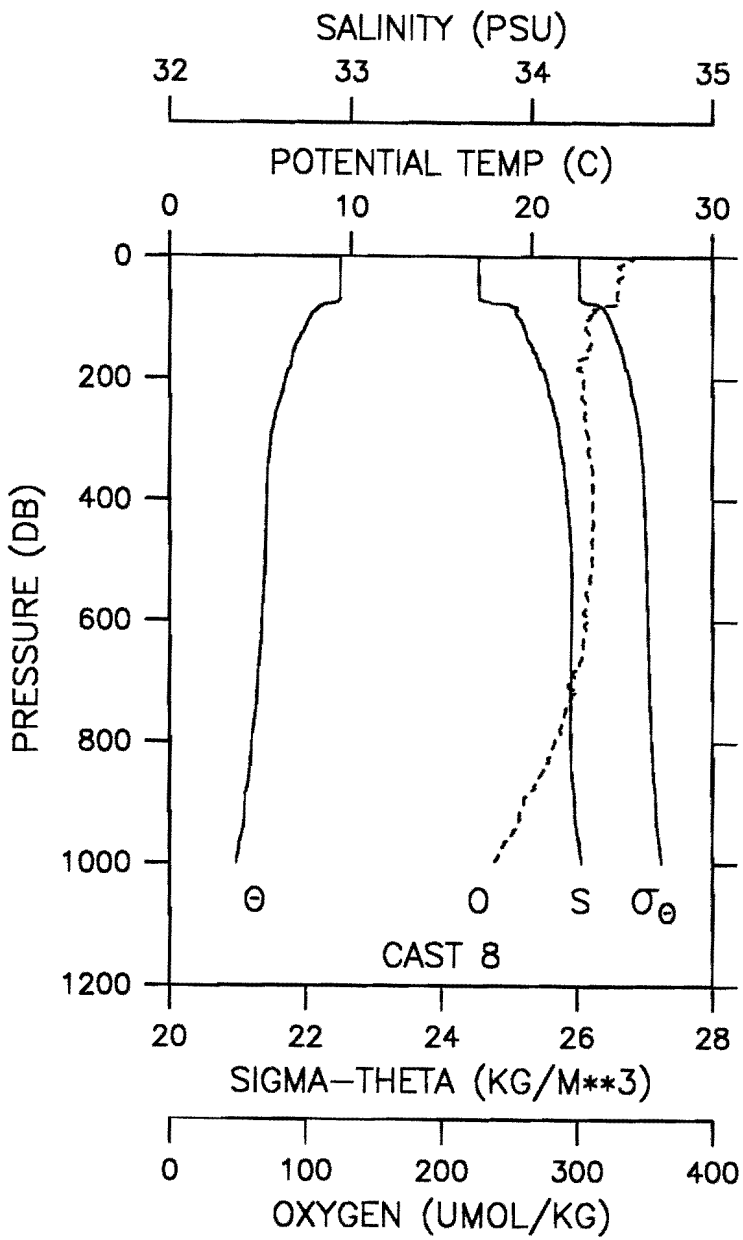
CAST CG1-94-DI -007 DATE 29 JAN 94 TIME 0610 GMT
LAT 44 18.0N LONG 129 35.3W WEATHER SEA STATE
BAROMETER WIND DIR T SPD KT VISIBILITY
CLOUD AMOUNT DRY WET DEPTH M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	11.668	32.536	280.3	24.737	0.000
10	11.665	32.534	283.1	24.737	0.032
20	11.663	32.533	284.6	24.737	0.064
30	11.662	32.533	284.5	24.737	0.096
40	11.663	32.533	285.6	24.736	0.128
50	11.662	32.533	285.8	24.736	0.160
60	11.661	32.533	286.4	24.737	0.192
70	11.659	32.533	287.0	24.737	0.224
80	11.660	32.533	286.8	24.737	0.257
90	11.593	32.537	289.1	24.753	0.289
100	9.866	32.617	285.0	25.114	0.319
110	8.786	32.745	277.4	25.386	0.346
120	8.204	32.960	256.2	25.642	0.371
130	7.911	33.126	241.8	25.816	0.393
140	7.731	33.217	234.6	25.913	0.415
150	7.511	33.412	223.4	26.098	0.435
160	7.361	33.491	213.5	26.181	0.454
170	7.276	33.579	209.3	26.262	0.472
180	7.187	33.660	194.5	26.338	0.489
190	7.044	33.717	194.5	26.402	0.506
200	6.973	33.760	192.0	26.446	0.523
250	6.584	33.875	165.3	26.589	0.599
300	5.970	33.899	134.5	26.687	0.671
350	5.505	33.918	104.5	26.759	0.738
400	5.114	33.965	63.7	26.842	0.802
450	4.949	33.997	46.2	26.886	0.864
500	4.681	34.031	32.0	26.943	0.923
550	4.442	34.070	20.6	27.000	0.979
600	4.312	34.128	6.2	27.060	1.033
650	4.220	34.152	1.7	27.089	1.085
700	4.103	34.185	-3.5	27.127	1.135
750	3.934	34.230	-7.6	27.181	1.184
800	3.828	34.268	-11.3	27.221	1.230
900	3.571	34.330	-14.2	27.296	1.318
1000	3.365	34.376	-14.5	27.353	1.400
1500	2.267	34.522	2.4	27.567	1.741
2000	1.777	34.601	32.6	27.669	2.015
2480	1.632	34.625	44.7	27.700	2.253

CAST CG2-94-DI -008 DATE 23 FEB 94 TIME 2039 GMT

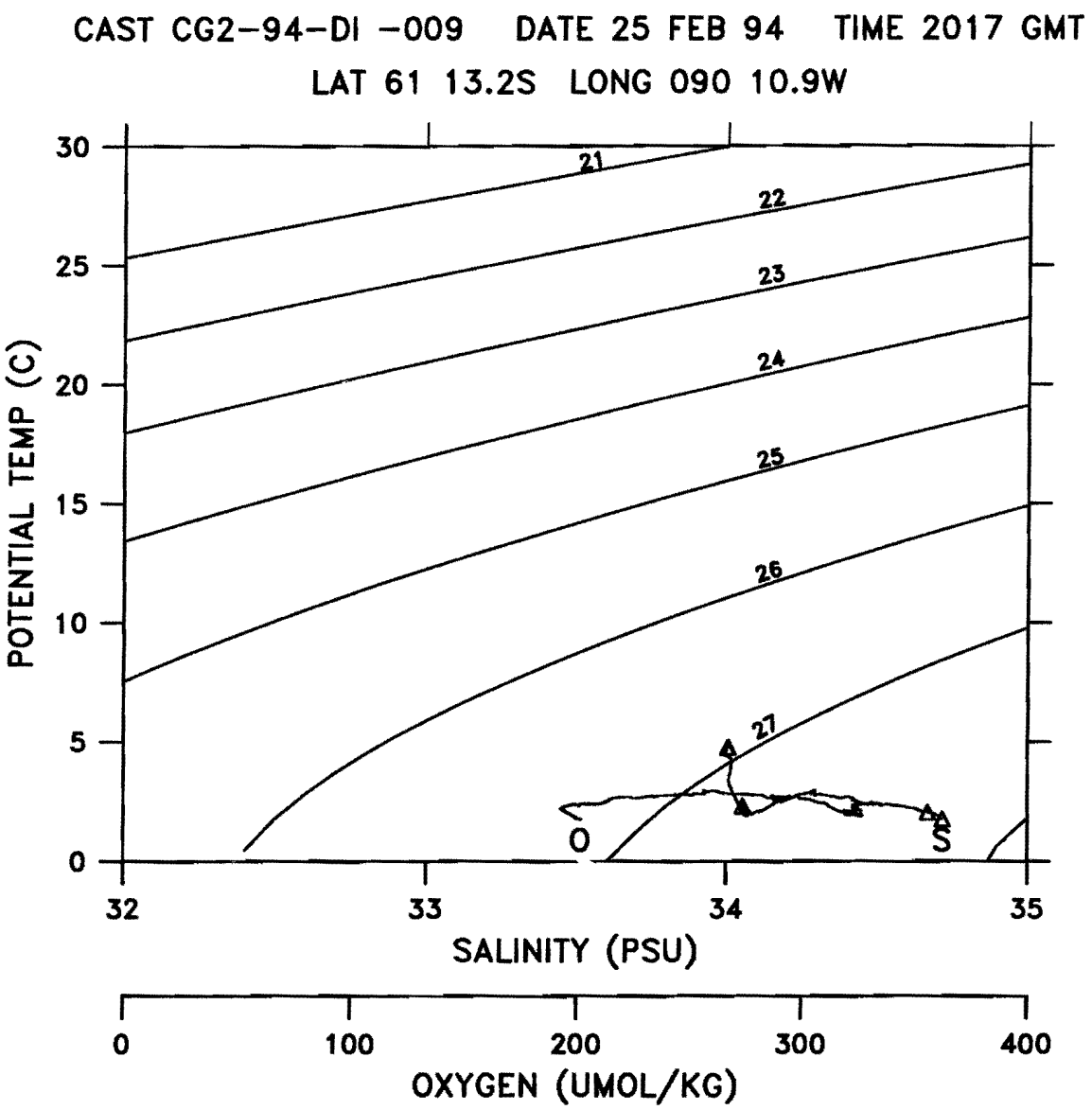
LAT 53 22.9S LONG 076 22.0W

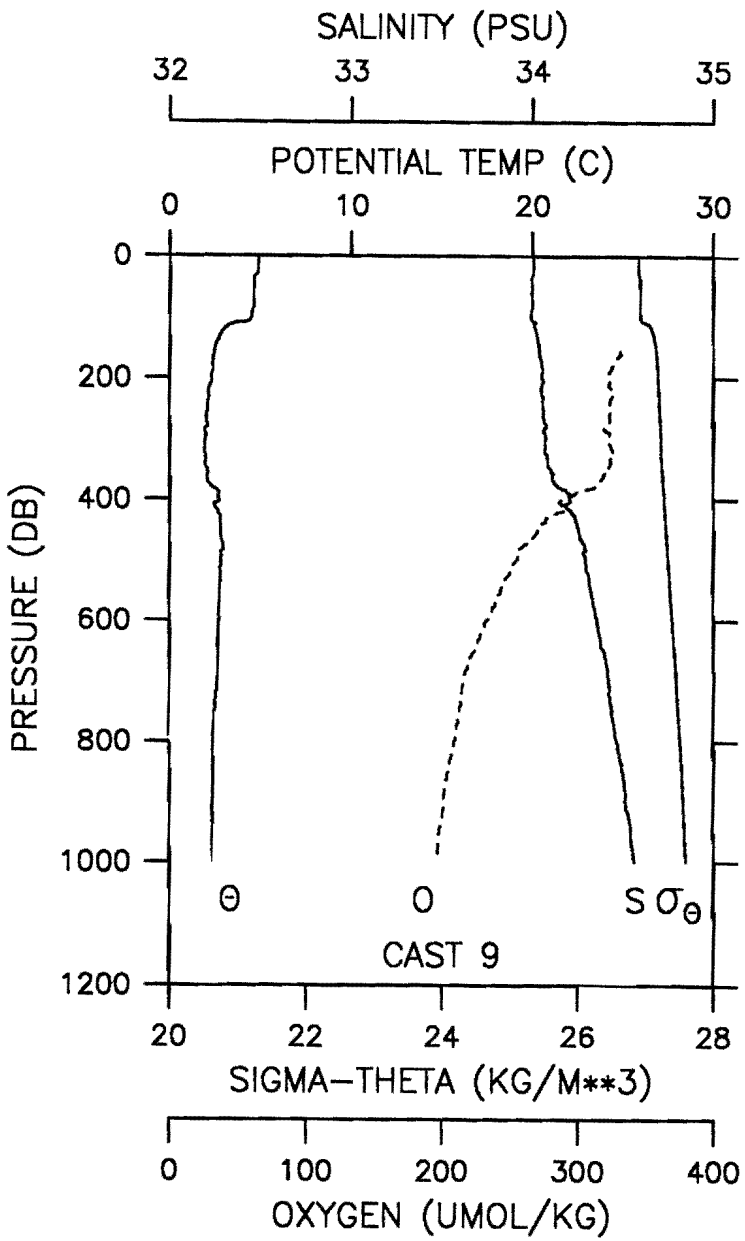




CAST CG2–94–DI –008 DATE 23 FEB 94 TIME 2039 GMT
LAT 53 22.9S LONG 076 22.0W WEATHER 2 SEA STATE 5
BAROMETER 08 WIND DIR 300 T SPD 28 KT VISIBILITY 8
CLOUD 6 AMOUNT 7 DRY 10.5 WET 10.0 DEPTH M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG–TH	DELTA–D (DYN–M)
0	9.431	33.708	336.0	26.037	0.000
10	9.429	33.706	336.9	26.036	0.020
20	9.430	33.706	332.6	26.036	0.039
30	9.427	33.706	334.6	26.037	0.059
40	9.426	33.706	330.7	26.037	0.079
50	9.431	33.706	330.9	26.036	0.098
60	9.424	33.707	330.1	26.038	0.118
70	9.415	33.709	330.0	26.041	0.138
80	8.484	33.881	324.2	26.323	0.156
90	8.027	33.911	312.6	26.415	0.173
100	7.756	33.927	310.0	26.467	0.189
110	7.572	33.947	307.6	26.510	0.204
120	7.431	33.960	306.9	26.540	0.220
130	7.222	33.970	309.7	26.577	0.234
140	7.044	33.984	310.1	26.613	0.249
150	6.884	34.005	309.2	26.651	0.263
160	6.785	34.022	309.1	26.678	0.277
170	6.738	34.034	301.2	26.693	0.291
180	6.690	34.042	303.0	26.706	0.304
190	6.492	34.068	304.9	26.753	0.318
200	6.372	34.076	305.0	26.775	0.331
250	5.915	34.118	304.8	26.867	0.393
300	5.567	34.152	308.8	26.936	0.452
350	5.399	34.178	311.5	26.977	0.508
400	5.348	34.195	311.6	26.996	0.564
450	5.306	34.210	311.5	27.013	0.619
500	5.248	34.220	310.9	27.028	0.673
550	5.173	34.221	307.8	27.038	0.727
600	5.087	34.223	308.3	27.050	0.781
650	4.982	34.219	303.7	27.059	0.834
700	4.853	34.217	295.2	27.072	0.887
750	4.730	34.216	291.6	27.084	0.940
800	4.531	34.216	283.8	27.107	0.992
900	4.157	34.237	260.8	27.163	1.094
1000	3.669	34.275	237.5	27.243	1.189
1500	2.623	34.518	162.1	27.534	1.565
1844	2.260	34.607	150.6	27.635	1.769


CAST CG2-94-DI -009 DATE 25 FEB 94 TIME 2017 GMT
LAT 61 13.2S LONG 090 10.9W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
O
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

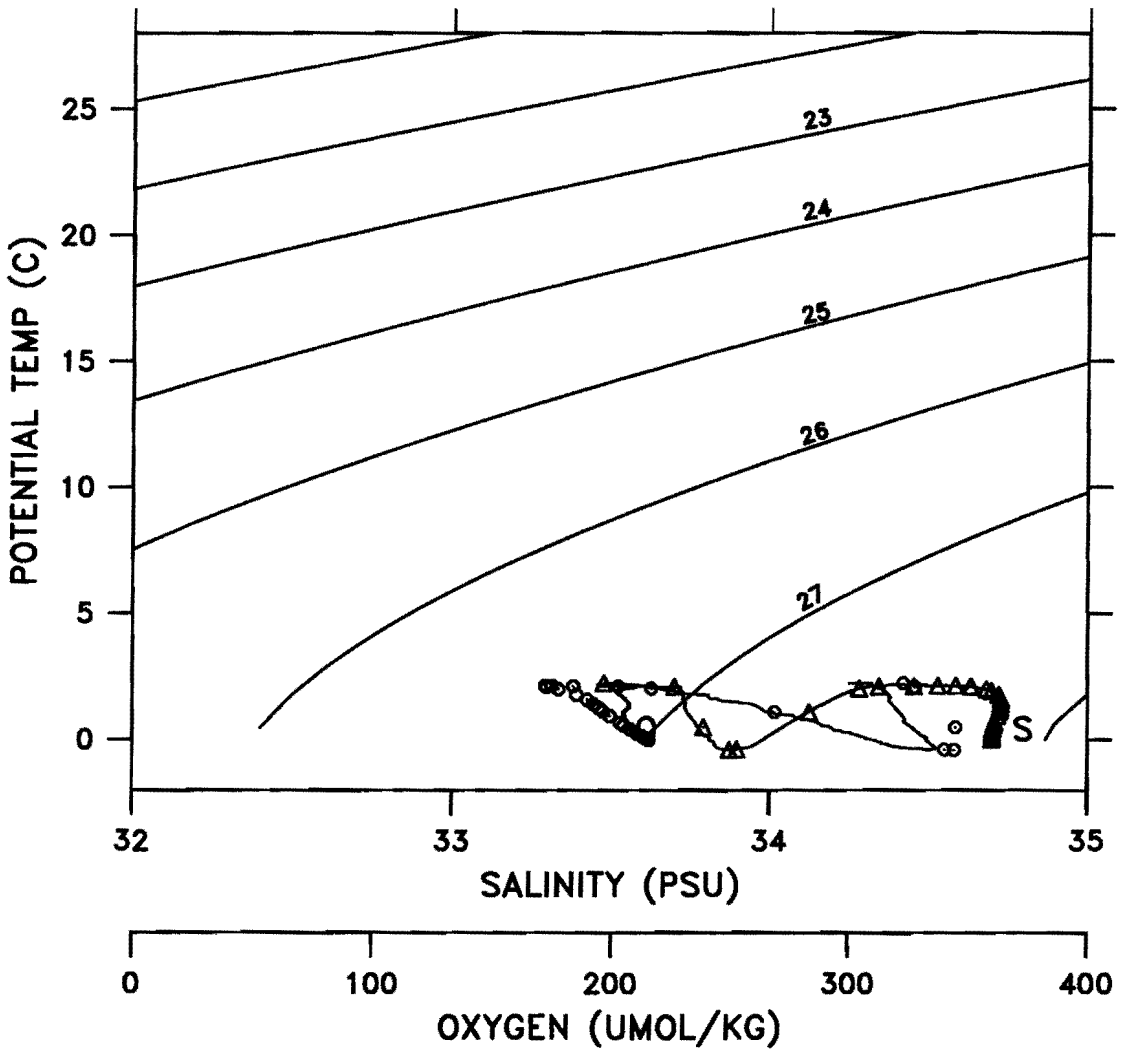


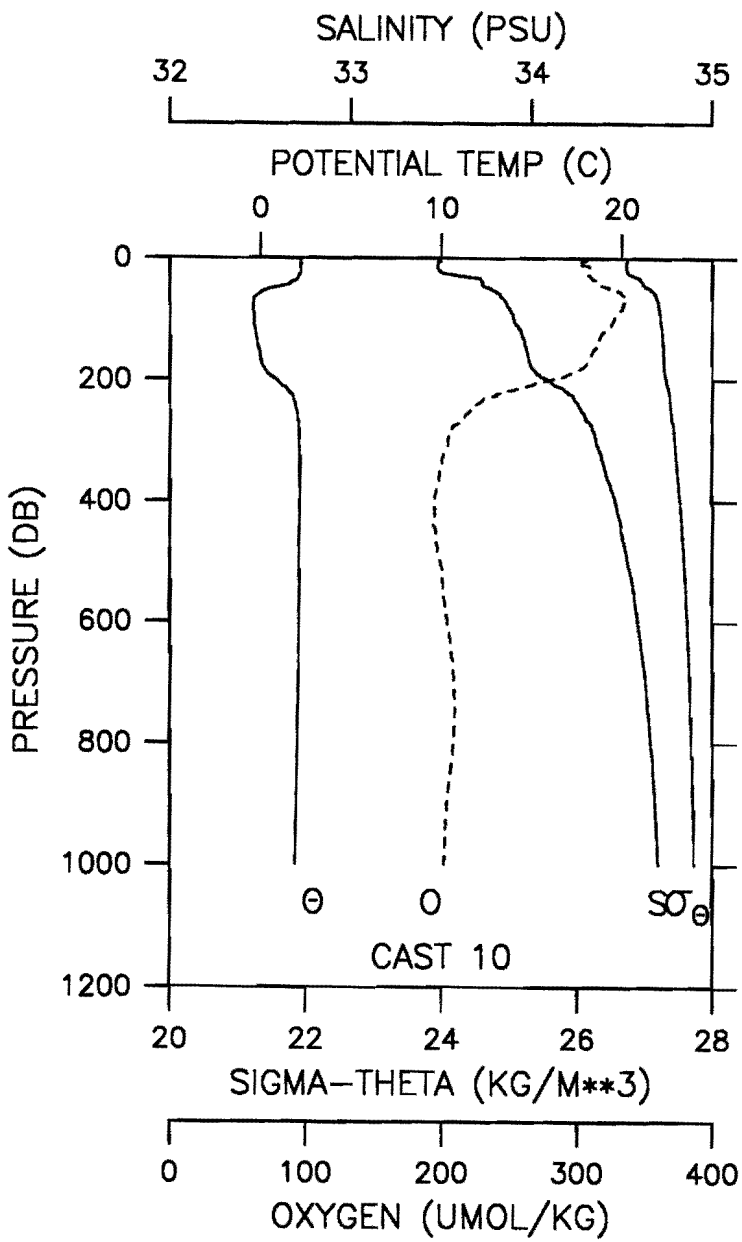
CAST CG2-94-DI -009 DATE 25 FEB 94 TIME 2017 GMT
LAT 61 13.2S LONG 090 10.9W WEATHER 1 SEA STATE 4
BAROMETER 80 WIND DIR 280 T SPD 17 KT VISIBILITY 9
CLOUD 7 AMOUNT 3 DRY 04.0 WET 03.0 DEPTH 4906 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	4.879	34.007	*****	26.902	0.000
10	4.879	34.005	*****	26.901	0.011
20	4.872	34.006	*****	26.902	0.023
30	4.818	34.005	*****	26.907	0.034
40	4.641	33.998	*****	26.921	0.046
50	4.630	33.998	*****	26.923	0.057
60	4.609	33.997	*****	26.924	0.068
70	4.612	33.998	*****	26.925	0.079
80	4.631	34.000	*****	26.924	0.091
90	4.542	33.995	*****	26.930	0.102
100	4.502	33.993	*****	26.932	0.113
110	3.699	34.014	*****	27.032	0.124
120	3.022	34.017	*****	27.098	0.134
130	2.795	34.026	*****	27.126	0.144
140	2.641	34.031	*****	27.143	0.153
150	2.513	34.036	*****	27.158	0.162
160	2.444	34.040	332.1	27.167	0.171
170	2.399	34.048	329.3	27.177	0.180
180	2.373	34.052	326.0	27.182	0.189
190	2.360	34.056	323.8	27.187	0.198
200	2.298	34.052	325.1	27.189	0.206
250	2.076	34.059	323.8	27.212	0.250
300	1.976	34.073	322.9	27.231	0.292
350	2.069	34.102	322.7	27.246	0.334
400	2.694	34.206	288.2	27.279	0.375
450	2.807	34.254	270.5	27.307	0.415
500	2.821	34.294	255.1	27.337	0.454
550	2.768	34.323	243.1	27.365	0.491
600	2.715	34.357	232.7	27.397	0.527
650	2.680	34.396	224.1	27.431	0.562
700	2.625	34.421	216.0	27.457	0.596
750	2.463	34.438	213.0	27.484	0.628
800	2.387	34.467	209.0	27.513	0.659
900	2.353	34.516	201.1	27.555	0.718
1000	2.322	34.566	196.3	27.598	0.774
1500	1.985	34.693	197.0	27.727	1.013
1809	1.752	34.722	201.5	27.768	1.143

CAST CG2-94-DI -010 DATE 27 FEB 94 TIME 1717 GMT

LAT 66 59.8S LONG 103 0.2W



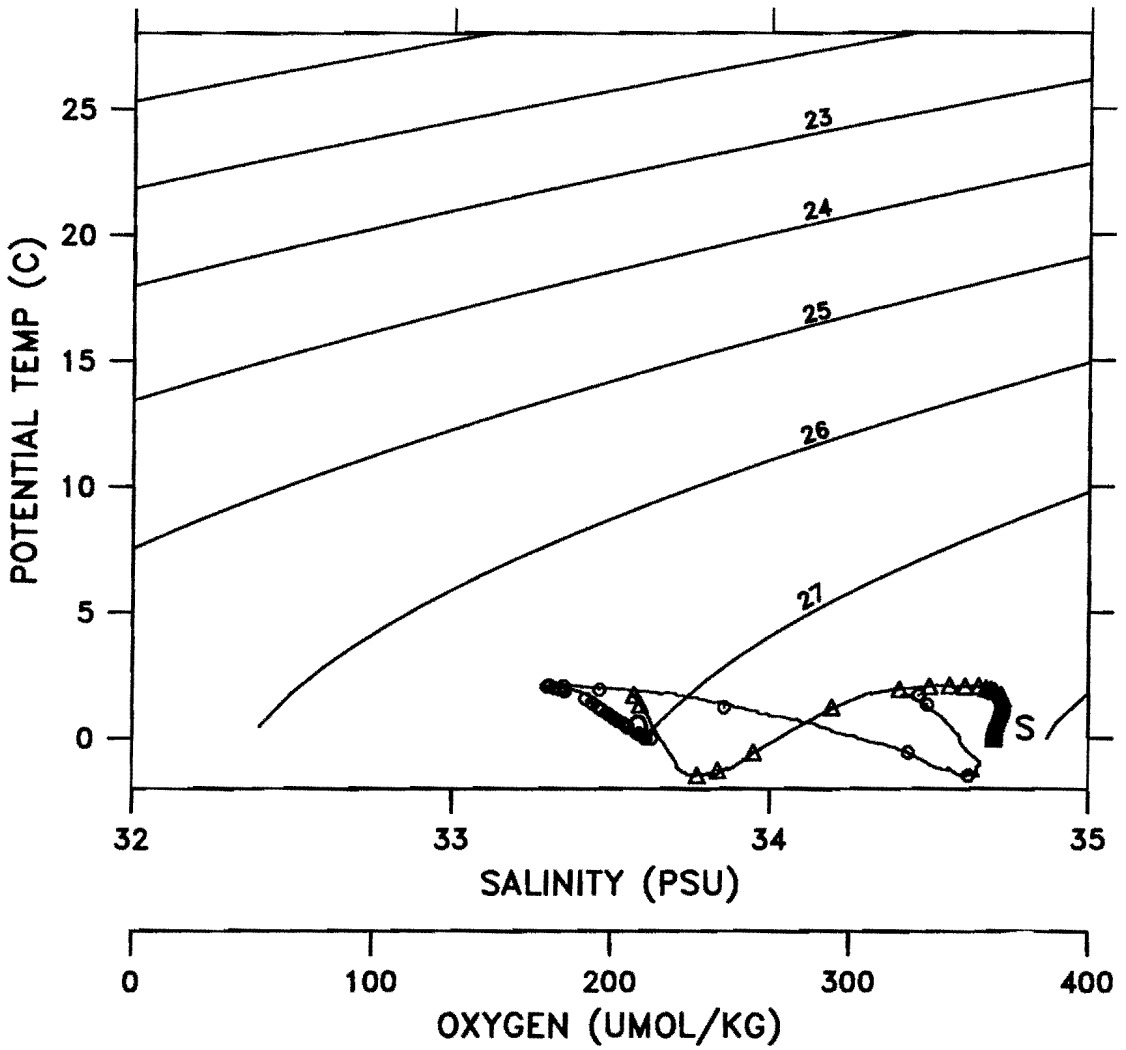


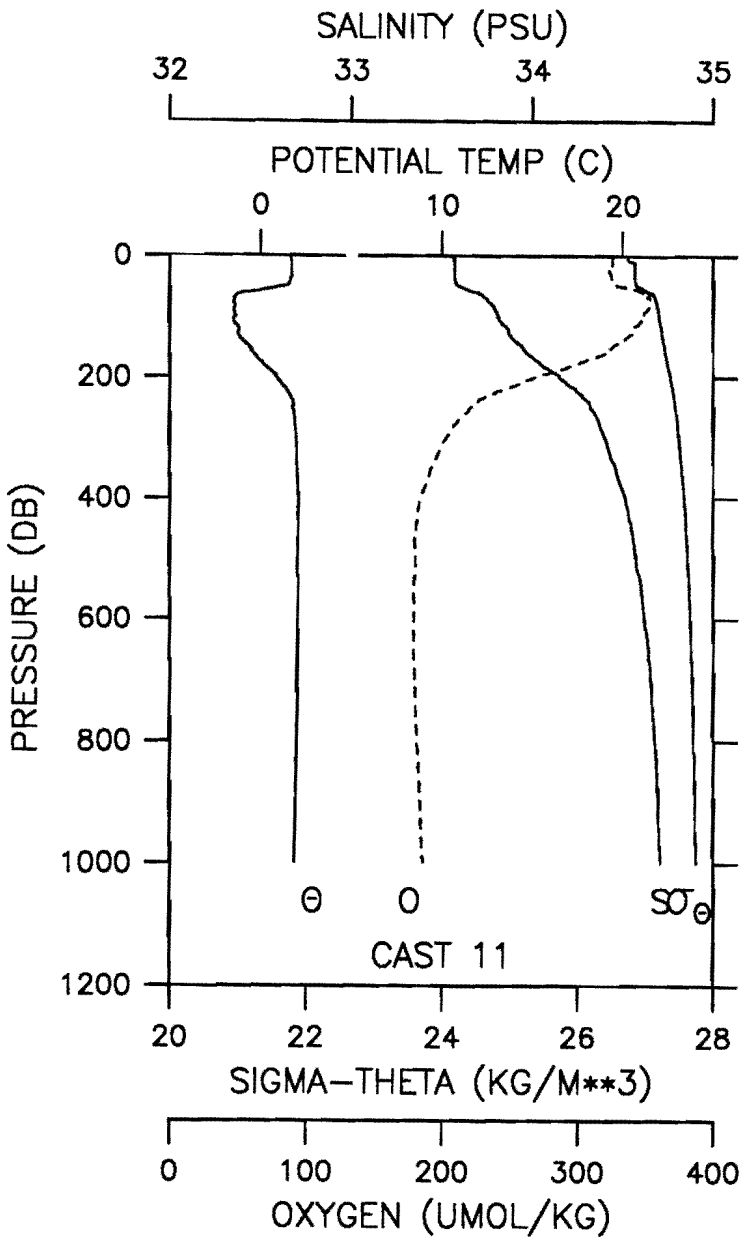
CAST CG2-94-DI -010 DATE 27 FEB 94 TIME 1717 GMT
LAT 66 59.8S LONG 103 0.2W WEATHER 2 SEA STATE 4
BAROMETER 95 WIND DIR 260 T SPD 18 KT VISIBILITY 7
CLOUD 7 AMOUNT 8 DRY 0.5 WET 1.5 DEPTH 4734 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	2.241	33.502	310.0	26.753	0.000
10	2.241	33.483	301.5	26.738	0.013
20	2.238	33.485	307.6	26.740	0.026
30	2.104	33.619	310.2	26.857	0.038
40	1.702	33.728	317.5	26.975	0.050
50	0.579	33.769	325.1	27.081	0.060
60	-0.106	33.825	333.8	27.163	0.069
70	-0.376	33.852	335.2	27.197	0.078
80	-0.405	33.866	334.1	27.210	0.086
90	-0.375	33.887	331.2	27.225	0.095
100	-0.361	33.900	328.1	27.236	0.103
110	-0.345	33.916	325.4	27.248	0.111
120	-0.283	33.939	320.4	27.264	0.119
130	-0.237	33.949	317.5	27.269	0.127
140	-0.168	33.960	314.4	27.275	0.135
150	-0.095	33.969	312.8	27.279	0.143
160	-0.021	33.978	310.7	27.282	0.151
170	0.036	33.985	308.1	27.285	0.159
180	0.153	34.000	304.4	27.291	0.166
190	0.362	34.025	294.5	27.300	0.174
200	0.830	34.087	280.7	27.322	0.181
250	1.990	34.275	222.2	27.391	0.217
300	2.121	34.356	204.9	27.446	0.250
350	2.185	34.408	198.8	27.483	0.281
400	2.182	34.463	194.9	27.527	0.311
450	2.120	34.494	196.0	27.557	0.339
500	2.122	34.530	199.0	27.585	0.365
550	2.143	34.564	201.4	27.611	0.391
600	2.131	34.586	204.0	27.629	0.415
650	2.124	34.610	207.2	27.649	0.439
700	2.100	34.630	209.2	27.668	0.462
750	2.071	34.645	209.9	27.681	0.484
800	2.053	34.658	208.8	27.694	0.506
900	1.998	34.684	204.1	27.718	0.548
1000	1.926	34.700	201.9	27.737	0.589
1500	1.513	34.730	206.5	27.793	0.776
2000	1.115	34.724	205.6	27.816	0.949
2500	0.806	34.715	205.4	27.829	1.114
3000	0.555	34.708	207.8	27.839	1.271
3500	0.308	34.704	209.8	27.851	1.420
4000	0.112	34.703	212.9	27.861	1.559
4500	0.011	34.702	214.0	27.865	1.692
4817	-0.017	34.702	214.4	27.867	1.776

CAST CG2-94-DI -011 DATE 28 FEB 94 TIME 0409 GMT

LAT 66 29.8S LONG 102 59.9W



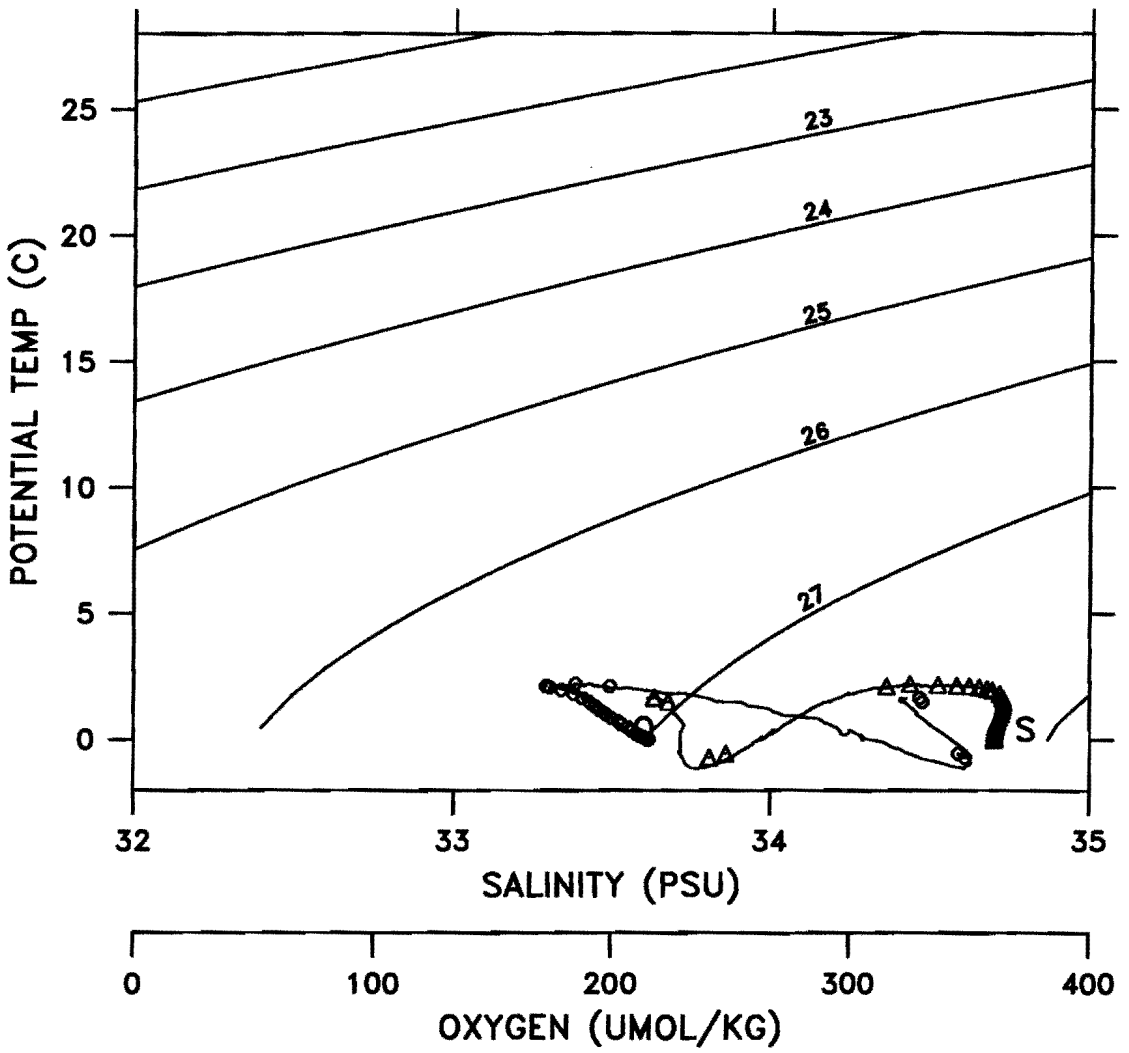


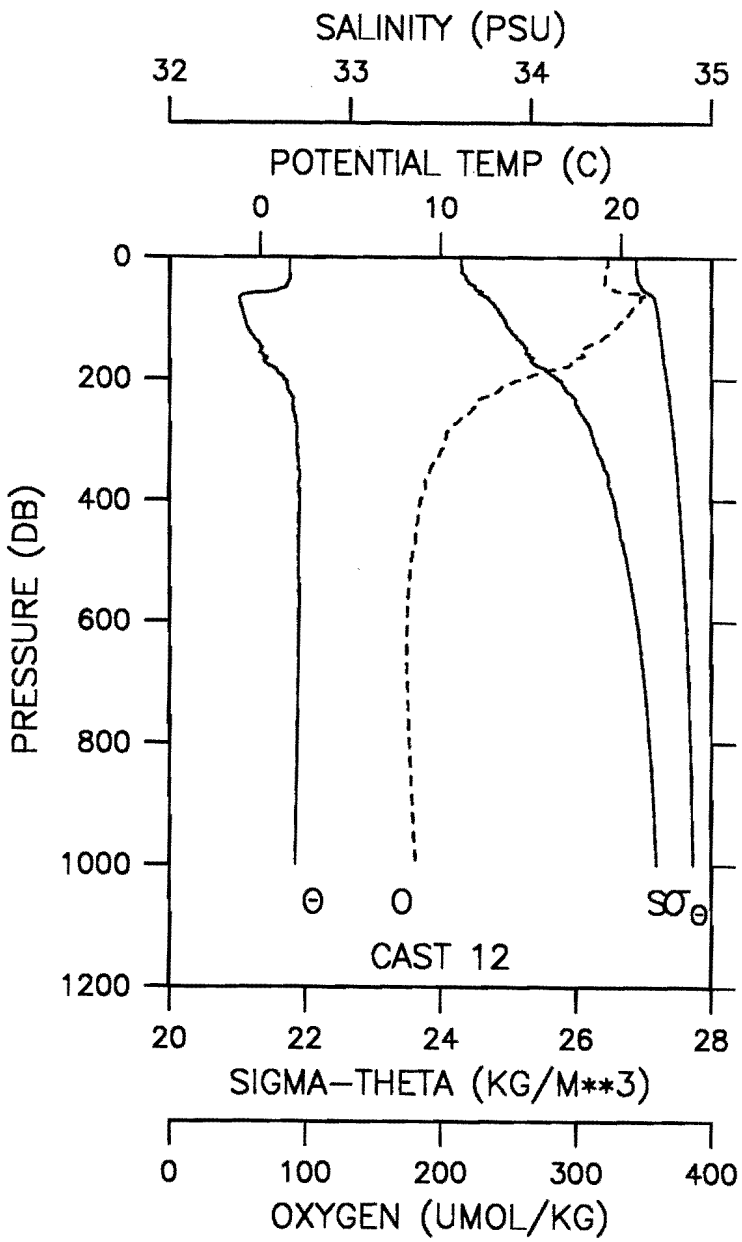
CAST CG2-94-DI -011 DATE 28 FEB 94 TIME 0409 GMT
LAT 66 29.8S LONG 102 59.9W WEATHER 2 SEA STATE 4
BAROMETER 67 WIND DIR 320 T SPD 20 KT VISIBILITY 7
CLOUD 7 AMOUNT 8 DRY 02.1 WET 01.6 DEPTH 4807 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	1.668	33.568	326.0	26.748	0.000
10	1.701	33.568	326.0	26.847	0.013
20	1.697	33.570	322.6	26.848	0.025
30	1.697	33.570	324.4	26.848	0.037
40	1.655	33.572	325.3	26.853	0.049
50	1.343	33.595	331.1	26.893	0.060
60	-0.500	33.680	349.1	27.064	0.071
70	-1.460	33.743	353.8	27.150	0.080
80	-1.412	33.776	352.9	27.175	0.089
90	-1.435	33.795	351.0	27.191	0.098
100	-1.362	33.812	348.4	27.203	0.106
110	-1.441	33.831	346.0	27.221	0.115
120	-1.218	33.862	342.1	27.239	0.123
130	-1.233	33.872	338.9	27.247	0.131
140	-0.987	33.904	332.9	27.264	0.139
150	-0.617	33.943	325.5	27.281	0.147
160	-0.450	33.968	320.6	27.295	0.155
170	-0.155	34.009	309.0	27.314	0.162
180	0.181	34.053	297.0	27.332	0.170
190	0.582	34.109	285.0	27.355	0.177
200	0.863	34.149	268.3	27.370	0.184
250	1.751	34.321	221.3	27.446	0.217
300	1.955	34.401	202.9	27.495	0.248
350	2.015	34.461	192.0	27.539	0.276
400	2.095	34.515	184.0	27.576	0.303
450	2.091	34.547	180.9	27.602	0.329
500	2.042	34.572	180.4	27.626	0.353
550	2.065	34.602	179.3	27.648	0.377
600	2.047	34.620	179.6	27.664	0.400
650	2.072	34.642	179.3	27.679	0.422
700	2.032	34.656	180.1	27.693	0.444
750	2.023	34.666	180.5	27.702	0.465
800	1.996	34.678	181.4	27.714	0.486
900	1.932	34.695	184.0	27.733	0.526
1000	1.874	34.708	186.0	27.748	0.565
1500	1.501	34.730	194.2	27.793	0.750
2000	1.111	34.724	198.9	27.816	0.923
2500	0.809	34.715	202.2	27.829	1.087
3000	0.573	34.708	204.6	27.838	1.245
3500	0.324	34.704	207.4	27.850	1.395
4000	0.145	34.703	209.6	27.859	1.536
4500	0.036	34.703	211.8	27.865	1.671
4878	-0.012	34.703	211.1	27.867	1.772

CAST CG2-94-DI -012 DATE 28 FEB 94 TIME 0849 GMT

LAT 66 00.0S LONG 102 59.8W



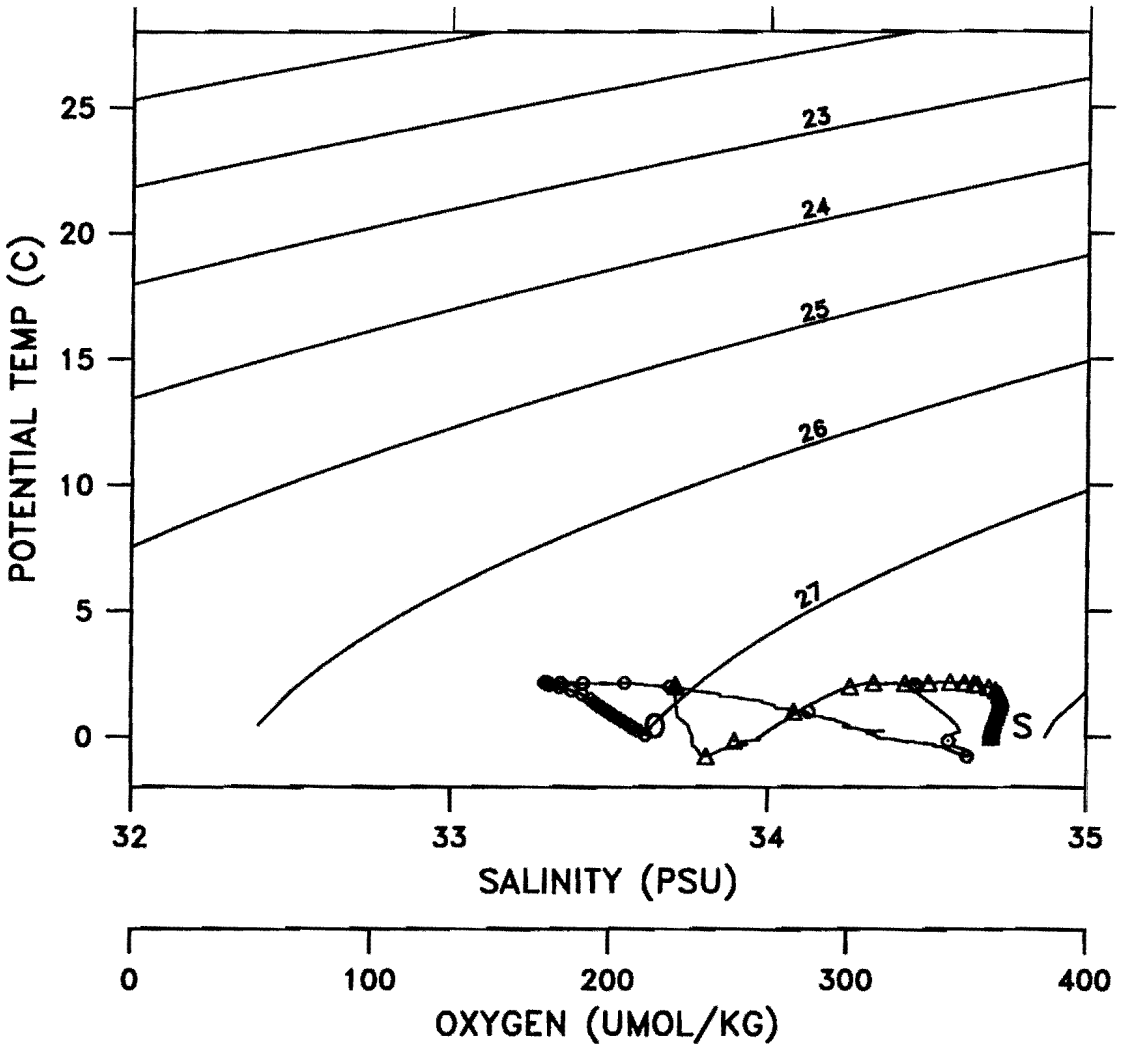


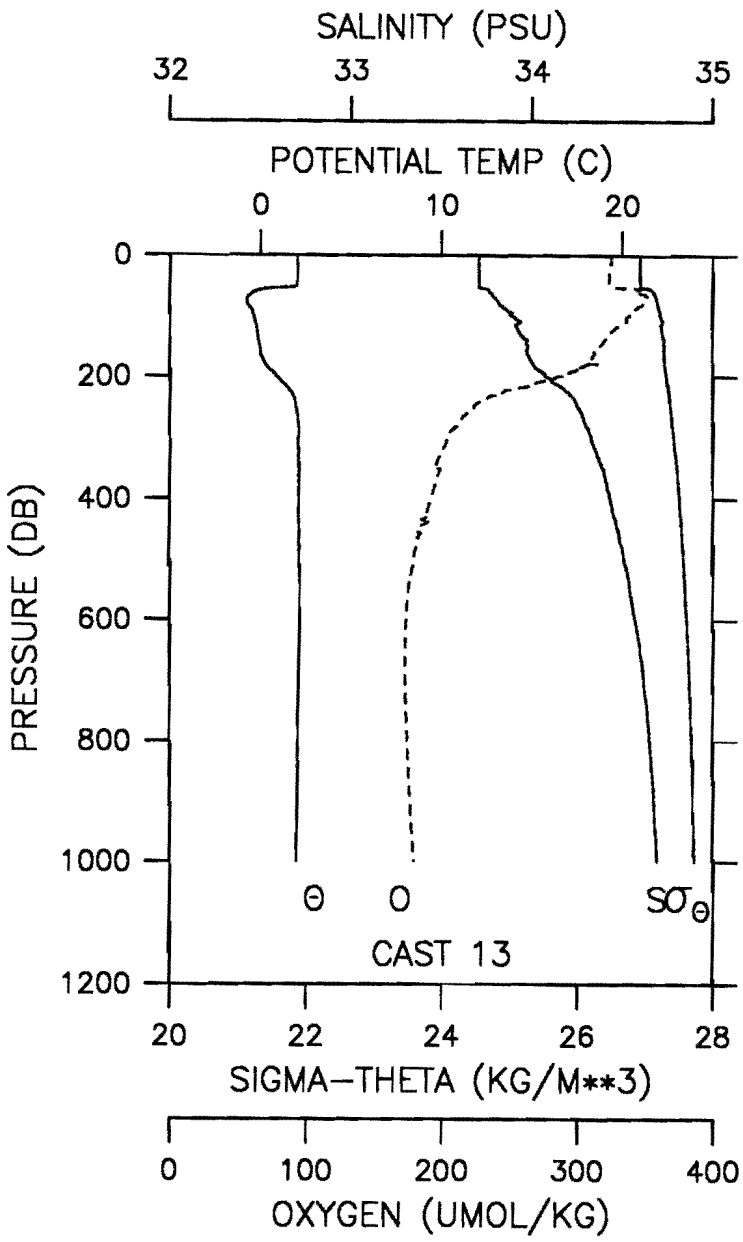
CAST CG2-94-DI -012 DATE 28 FEB 94 TIME 0849 GMT
LAT 66 00.0S LONG 102 59.8W WEATHER 2 SEA STATE 3
BAROMETER 96 WIND DIR 330 T SPD 25 KT VISIBILITY 9
CLOUD 6 AMOUNT 8 DRY 03.0 WET 02.0 DEPTH 4856 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	1.629	33.616	323.5	26.890	0.000
10	1.630	33.616	323.5	26.890	0.012
20	1.643	33.622	321.3	26.894	0.023
30	1.659	33.637	321.7	26.905	0.035
40	1.575	33.655	321.7	26.926	0.046
50	1.412	33.692	324.1	26.966	0.057
60	-0.473	33.712	347.8	27.088	0.067
70	-1.124	33.771	347.3	27.161	0.076
80	-1.068	33.801	344.3	27.184	0.085
90	-0.973	33.823	340.3	27.199	0.094
100	-0.874	33.847	336.6	27.215	0.102
110	-0.771	33.865	331.9	27.225	0.110
120	-0.637	33.886	327.6	27.236	0.119
130	-0.390	33.918	321.5	27.251	0.127
140	-0.098	33.949	314.3	27.263	0.135
150	0.084	33.976	306.3	27.275	0.143
160	0.135	33.987	305.3	27.281	0.151
170	0.194	33.999	297.7	27.288	0.158
180	0.651	34.054	290.7	27.307	0.166
190	0.977	34.099	271.7	27.322	0.174
200	1.305	34.145	261.0	27.337	0.181
250	1.822	34.263	223.7	27.395	0.216
300	2.023	34.347	203.5	27.447	0.249
350	2.162	34.416	192.4	27.491	0.280
400	2.195	34.460	185.4	27.524	0.309
450	2.136	34.493	182.0	27.554	0.337
500	2.139	34.530	178.3	27.584	0.364
550	2.144	34.562	176.2	27.609	0.390
600	2.140	34.589	175.6	27.631	0.414
650	2.128	34.610	175.1	27.649	0.438
700	2.110	34.628	175.5	27.665	0.461
750	2.090	34.644	176.2	27.680	0.483
800	2.064	34.657	176.9	27.692	0.505
900	2.011	34.680	179.2	27.715	0.548
1000	1.949	34.697	181.8	27.733	0.589
1500	1.559	34.730	191.5	27.789	0.779
2000	1.169	34.726	196.5	27.814	0.954
2500	0.857	34.716	200.3	27.827	1.121
3000	0.603	34.709	203.6	27.837	1.281
3500	0.358	34.705	206.6	27.848	1.434
4000	0.165	34.703	209.7	27.857	1.576
4500	0.046	34.703	212.8	27.864	1.713
4934	-0.011	34.703	213.4	27.867	1.829

CAST CG2-94-DI -013 DATE 28 FEB 94 TIME 1550 GMT

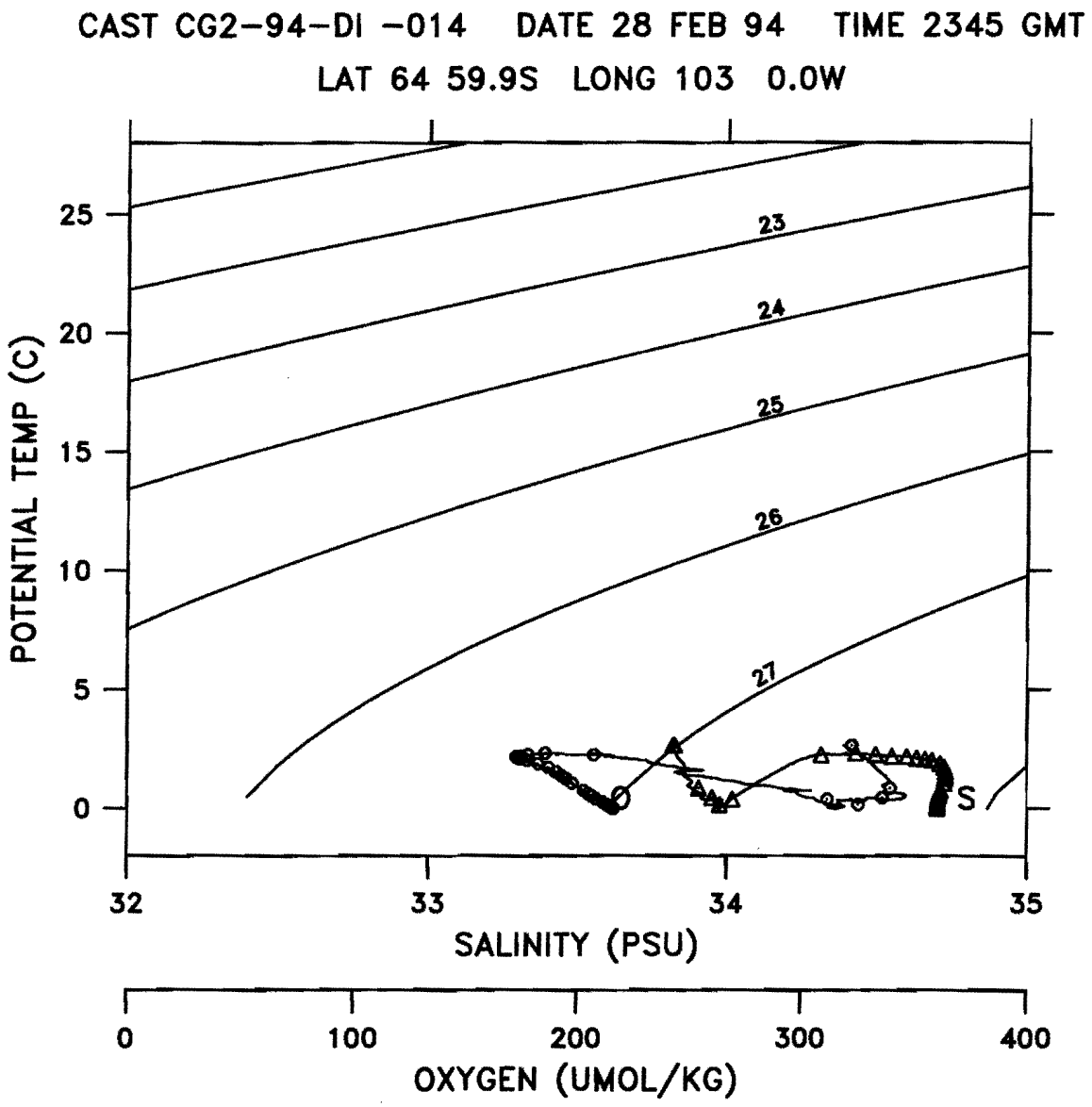
LAT 65 29.9S LONG 102 59.9W

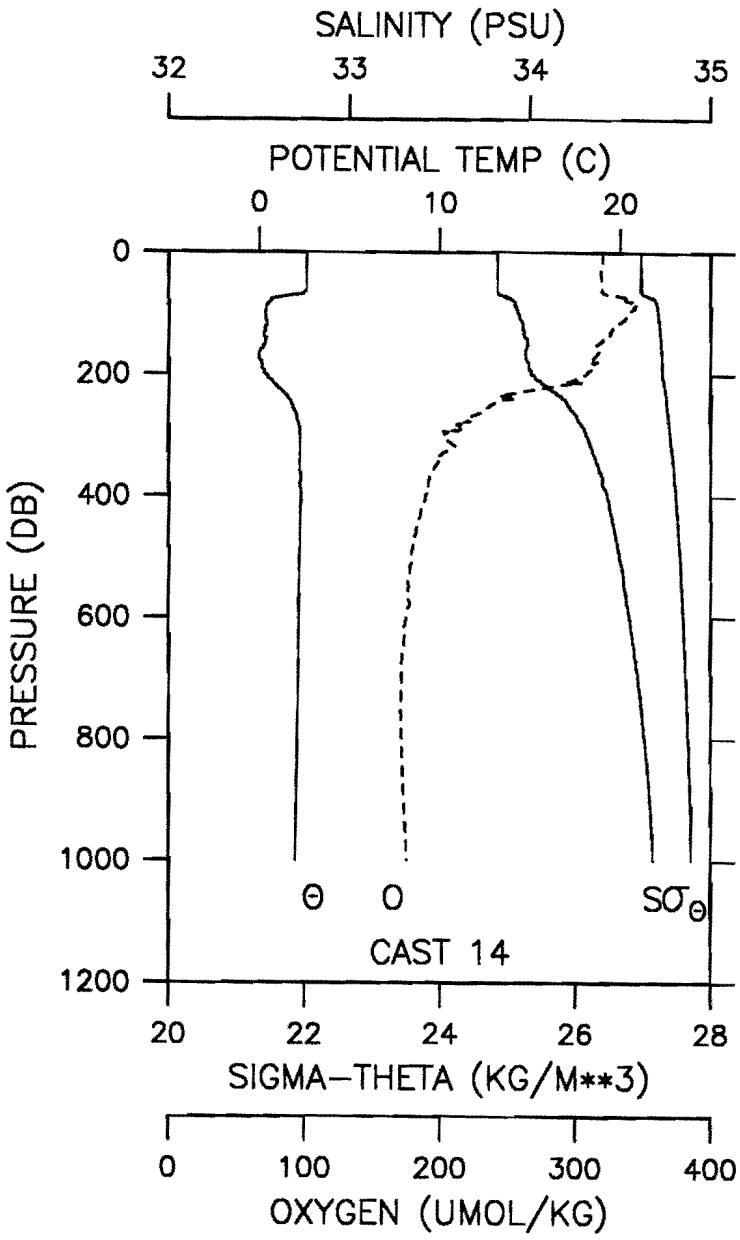




CAST CG2-94-DI -013 DATE 28 FEB 94 TIME 1550 GMT
LAT 65 29.9S LONG 102 59.9W WEATHER 2 SEA STATE 4
BAROMETER 96 WIND DIR 320 T SPD 20 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 02.9 WET 02.1 DEPTH 4900 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	2.053	33.708	325.5	26.932	0.000
10	2.054	33.706	325.5	26.931	0.011
20	2.052	33.707	324.1	26.932	0.022
30	2.044	33.707	323.7	26.933	0.033
40	2.052	33.707	323.8	26.932	0.045
50	2.016	33.708	325.1	26.935	0.056
60	-0.320	33.763	344.3	27.123	0.066
70	-0.731	33.796	351.5	27.167	0.075
80	-0.737	33.817	348.5	27.185	0.084
90	-0.495	33.863	342.0	27.212	0.092
100	-0.391	33.891	338.1	27.230	0.101
110	-0.307	33.937	336.1	27.263	0.109
120	-0.212	33.919	328.2	27.244	0.117
130	-0.177	33.934	323.4	27.254	0.125
140	-0.126	33.967	320.5	27.278	0.133
150	-0.074	33.976	316.3	27.283	0.141
160	-0.011	33.973	312.7	27.277	0.148
170	0.087	33.988	311.1	27.285	0.156
180	0.255	34.006	306.6	27.290	0.164
190	0.552	34.042	298.5	27.302	0.172
200	0.870	34.080	284.1	27.314	0.179
250	1.963	34.255	224.1	27.378	0.215
300	2.082	34.327	205.0	27.426	0.249
350	2.117	34.391	194.1	27.474	0.281
400	2.119	34.433	192.0	27.508	0.311
450	2.131	34.474	185.2	27.540	0.340
500	2.122	34.508	179.3	27.568	0.367
550	2.173	34.541	175.4	27.590	0.393
600	2.161	34.572	174.1	27.616	0.419
650	2.149	34.597	173.2	27.637	0.443
700	2.132	34.618	173.2	27.656	0.467
750	2.106	34.637	173.9	27.672	0.490
800	2.079	34.651	174.7	27.686	0.512
900	2.038	34.674	176.9	27.708	0.555
1000	1.977	34.692	179.5	27.727	0.597
1500	1.590	34.729	190.6	27.786	0.789
2000	1.186	34.726	196.4	27.813	0.966
2500	0.865	34.717	201.5	27.826	1.134
3000	0.611	34.709	205.3	27.836	1.294
3500	0.359	34.704	210.5	27.848	1.447
4000	0.148	34.704	214.7	27.859	1.589
4500	0.030	34.702	217.6	27.864	1.724
4974	-0.022	34.702	219.1	27.867	1.851


CAST CG2-94-DI -014 DATE 28 FEB 94 TIME 2345 GMT
LAT 64 59.9S LONG 103 0.0W
POTENTIAL TEMP (C)
25
20
15
10
5
0
23
24
25
26
27
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

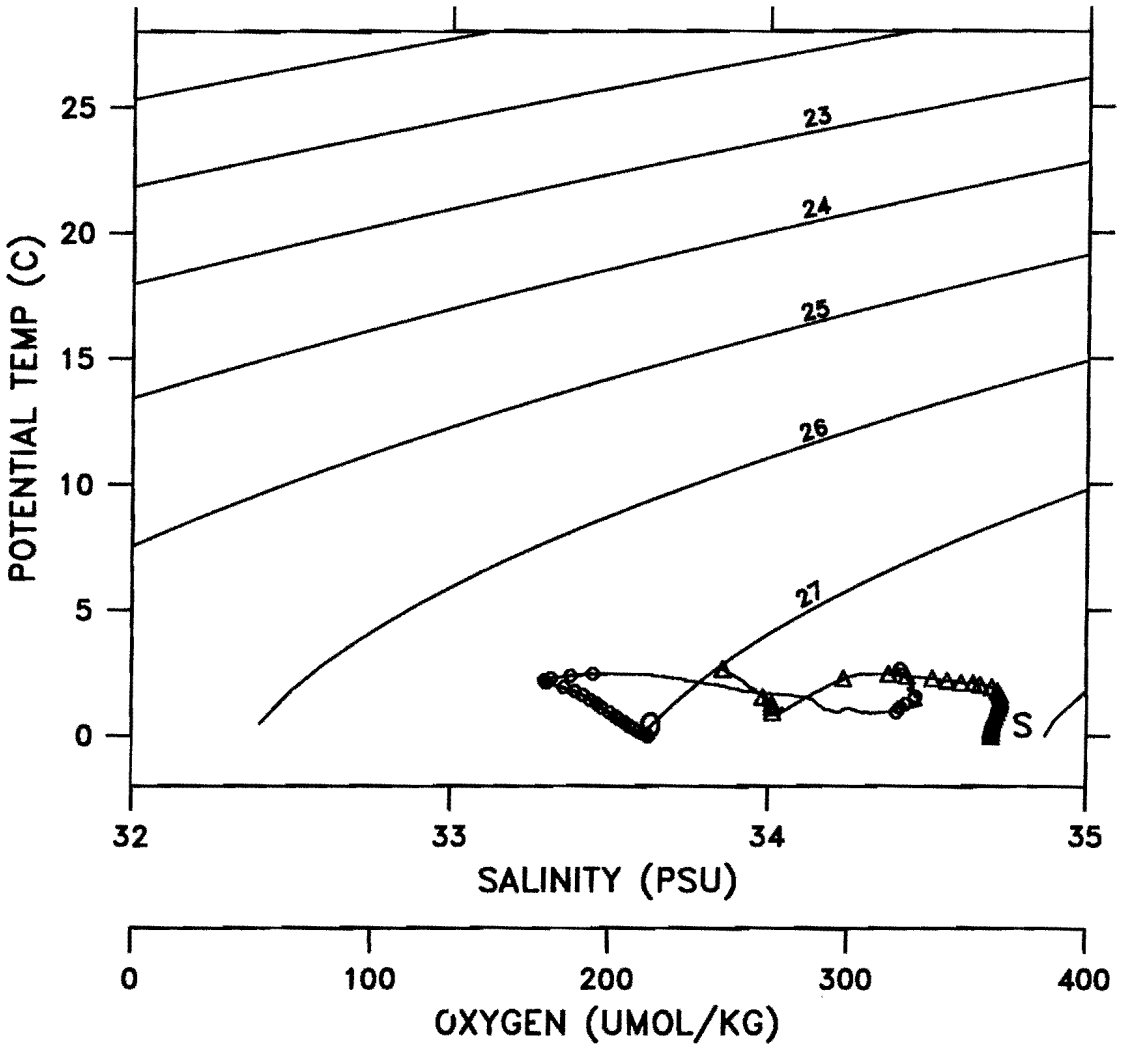


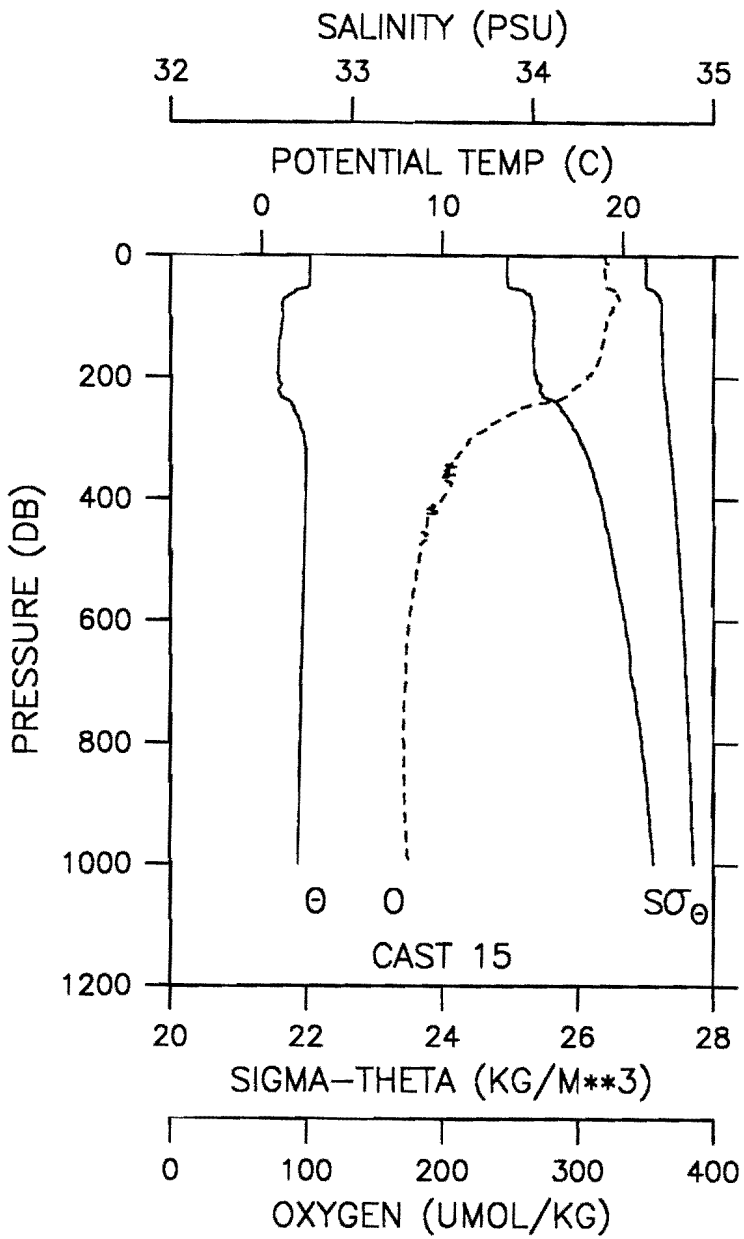
CAST CG2-94-DI -014 DATE 28 FEB 94 TIME 2345 GMT
LAT 64 59.9S LONG 103 0.0W WEATHER 1 SEA STATE 4
BAROMETER 95 WIND DIR 340 T SPD 20 KT VISIBILITY 7
CLOUD 7 AMOUNT 5 DRY 4.5 WET 3.0 DEPTH 0 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	2.640	33.817	320.2	26.973	0.000
10	2.636	33.817	320.2	26.973	0.011
20	2.632	33.820	319.3	26.975	0.021
30	2.630	33.820	319.0	26.975	0.032
40	2.635	33.821	319.3	26.976	0.043
50	2.635	33.821	319.9	26.976	0.054
60	2.638	33.821	319.8	26.976	0.064
70	2.109	33.836	328.3	27.031	0.075
80	0.651	33.907	339.1	27.188	0.084
90	0.377	33.925	344.3	27.219	0.093
100	0.339	33.934	340.3	27.227	0.101
110	0.339	33.945	336.6	27.236	0.109
120	0.425	33.960	329.2	27.244	0.118
130	0.332	33.966	326.3	27.254	0.126
140	0.300	33.976	323.2	27.264	0.134
150	0.323	33.987	316.4	27.271	0.142
160	0.067	33.975	319.0	27.275	0.150
170	-0.024	33.974	314.8	27.279	0.157
180	0.130	33.991	312.5	27.285	0.165
190	0.136	33.991	313.1	27.285	0.173
200	0.313	34.010	307.3	27.291	0.181
250	1.804	34.209	237.4	27.353	0.218
300	2.258	34.312	202.3	27.400	0.253
350	2.257	34.378	196.8	27.453	0.286
400	2.303	34.427	189.1	27.488	0.317
450	2.277	34.461	183.1	27.518	0.347
500	2.206	34.493	179.2	27.549	0.375
550	2.199	34.522	176.8	27.573	0.403
600	2.184	34.550	174.9	27.597	0.429
650	2.185	34.575	172.7	27.617	0.454
700	2.162	34.597	171.4	27.636	0.479
750	2.147	34.618	171.2	27.653	0.503
800	2.108	34.634	171.3	27.670	0.526
900	2.046	34.663	172.9	27.698	0.570
1000	2.006	34.683	175.4	27.717	0.613
1500	1.617	34.729	187.8	27.784	0.809
2000	1.210	34.726	195.4	27.811	0.987
2500	0.880	34.717	200.7	27.826	1.155
3000	0.628	34.710	204.3	27.836	1.317
3500	0.385	34.705	208.9	27.847	1.470
4000	0.156	34.703	214.1	27.858	1.613
4500	0.034	34.703	217.9	27.865	1.749
5000	-0.024	34.703	219.4	27.868	1.883
5027	-0.024	34.703	219.4	27.868	1.890

CAST CG2-94-DI -015 DATE 01 MAR 94 TIME 0653 GMT

LAT 64 29.9S LONG 102 59.9W



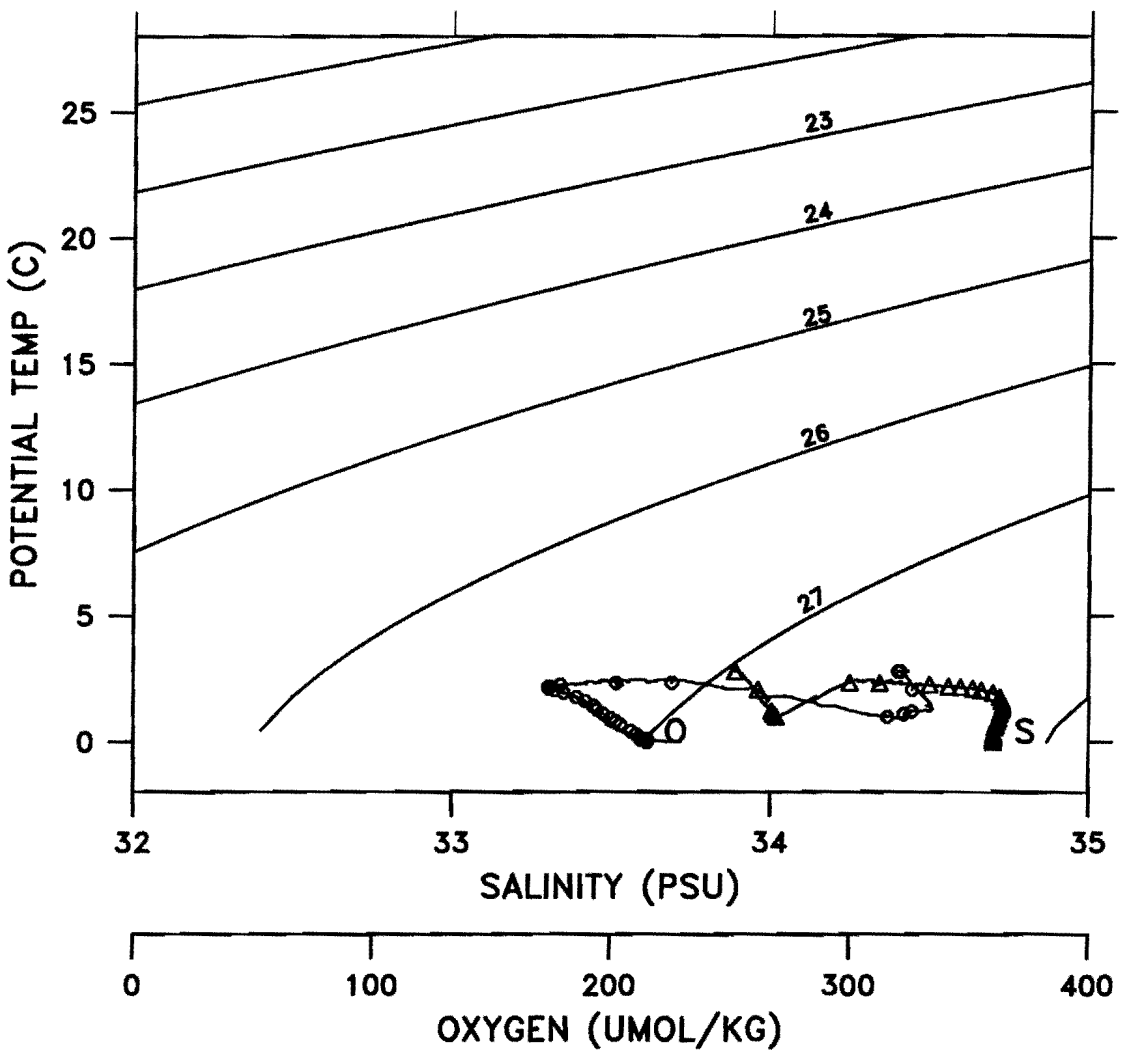


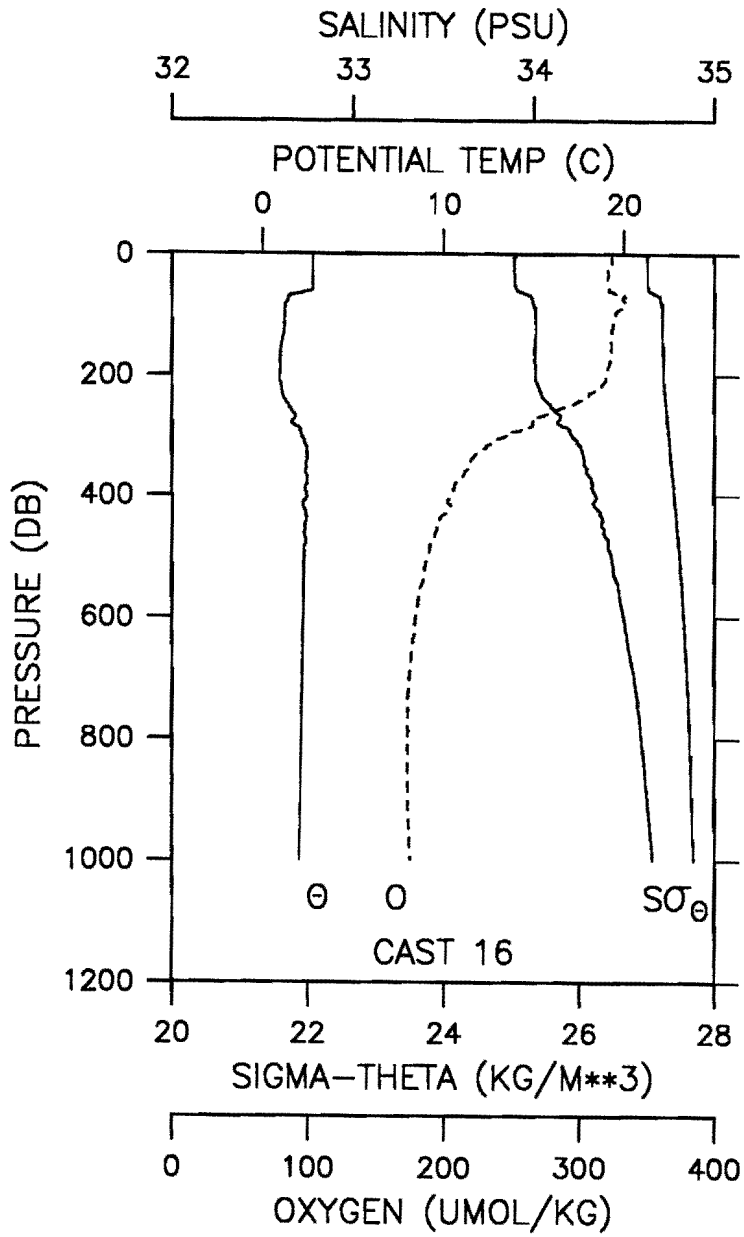
CAST CG2–94–DI –015 DATE 01 MAR 94 TIME 0653 GMT
LAT 64 29.9S LONG 102 59.9W WEATHER 5 SEA STATE 5
BAROMETER 91 WIND DIR 25 T SPD 25 KT VISIBILITY 6
CLOUD 7 AMOUNT 8 DRY 3.4 WET 2.9 DEPTH 4979 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG–TH	DELTA–D (DYN–M)
0	2.671	33.864	320.2	27.007	0.000
10	2.670	33.860	320.2	27.004	0.010
20	2.668	33.860	319.7	27.004	0.021
30	2.667	33.859	320.1	27.004	0.031
40	2.667	33.860	320.0	27.004	0.042
50	2.621	33.863	320.6	27.011	0.052
60	1.852	33.957	326.0	27.147	0.062
70	1.320	33.993	330.1	27.214	0.071
80	1.139	33.994	327.5	27.227	0.079
90	1.137	34.001	325.7	27.233	0.087
100	1.182	34.009	323.3	27.237	0.096
110	1.133	34.005	321.0	27.237	0.104
120	1.102	34.007	320.2	27.240	0.112
130	1.070	34.006	319.4	27.242	0.120
140	0.980	34.000	318.8	27.243	0.129
150	0.966	34.003	317.4	27.246	0.137
160	0.959	34.005	317.0	27.248	0.145
170	0.949	34.007	315.5	27.250	0.153
180	0.946	34.009	313.5	27.252	0.161
190	0.923	34.012	310.9	27.256	0.169
200	0.948	34.018	307.3	27.259	0.177
250	1.767	34.155	258.3	27.313	0.217
300	2.367	34.259	221.0	27.348	0.254
350	2.454	34.328	207.9	27.396	0.290
400	2.462	34.376	200.0	27.434	0.323
450	2.427	34.412	188.4	27.466	0.356
500	2.371	34.446	182.9	27.498	0.387
550	2.326	34.478	179.1	27.528	0.416
600	2.294	34.512	175.8	27.557	0.445
650	2.261	34.537	173.7	27.579	0.472
700	2.177	34.551	173.2	27.598	0.498
750	2.187	34.579	171.8	27.619	0.524
800	2.142	34.604	171.7	27.643	0.548
900	2.117	34.640	172.2	27.674	0.595
1000	2.048	34.670	174.7	27.703	0.640
1500	1.701	34.726	187.6	27.775	0.842
2000	1.280	34.728	194.6	27.807	1.024
2500	0.945	34.719	199.9	27.823	1.197
3000	0.660	34.710	203.9	27.835	1.361
3500	0.397	34.705	208.2	27.846	1.516
4000	0.179	34.704	212.1	27.858	1.660
4500	0.035	34.703	215.6	27.865	1.796
5000	–0.022	34.702	217.8	27.867	1.930
5064	–0.022	34.703	217.4	27.867	1.948

CAST CG2-94-DI -016 DATE 01 MAR 94 TIME 1410 GMT

LAT 63 59.5S LONG 102 59.1W



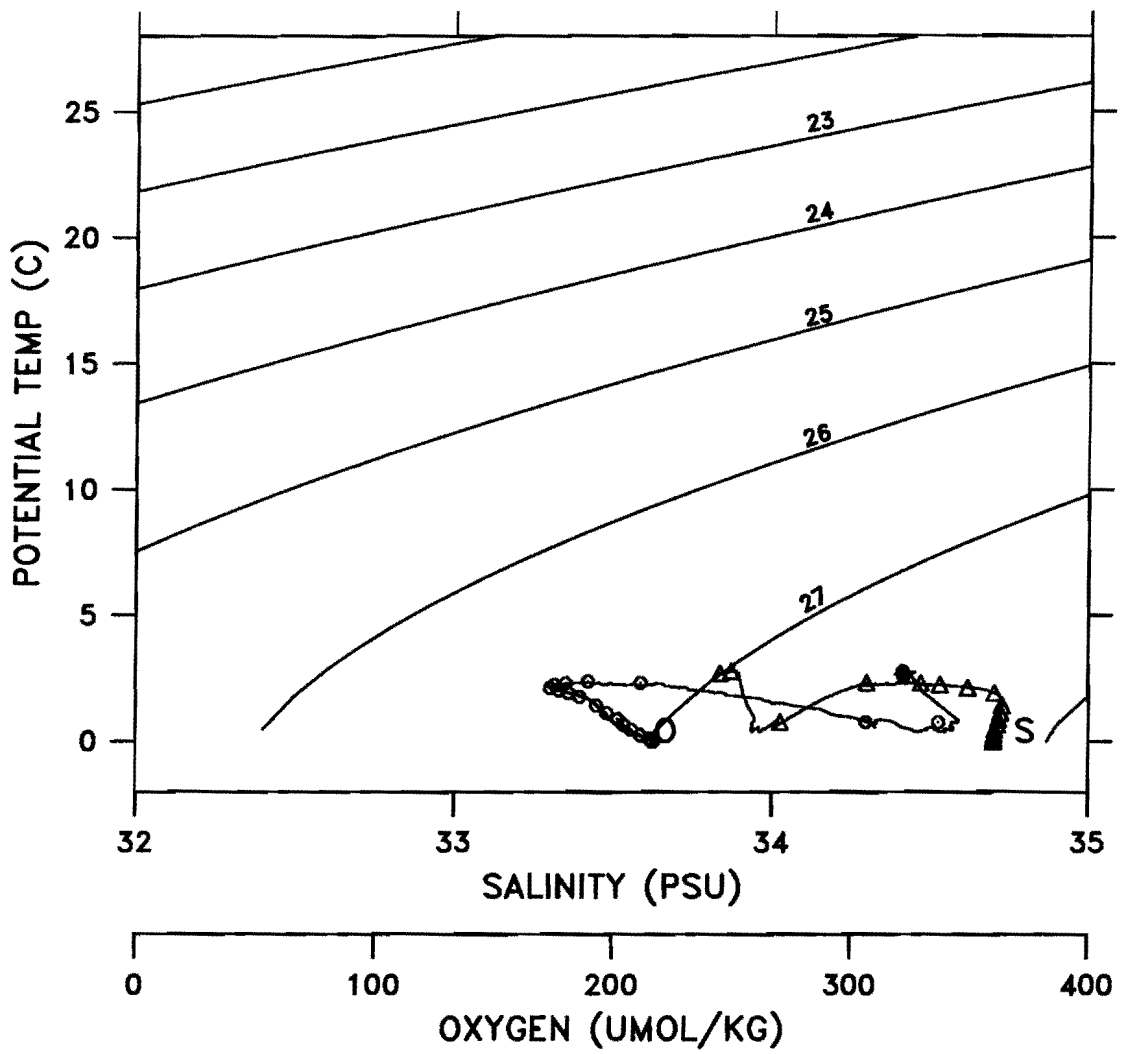


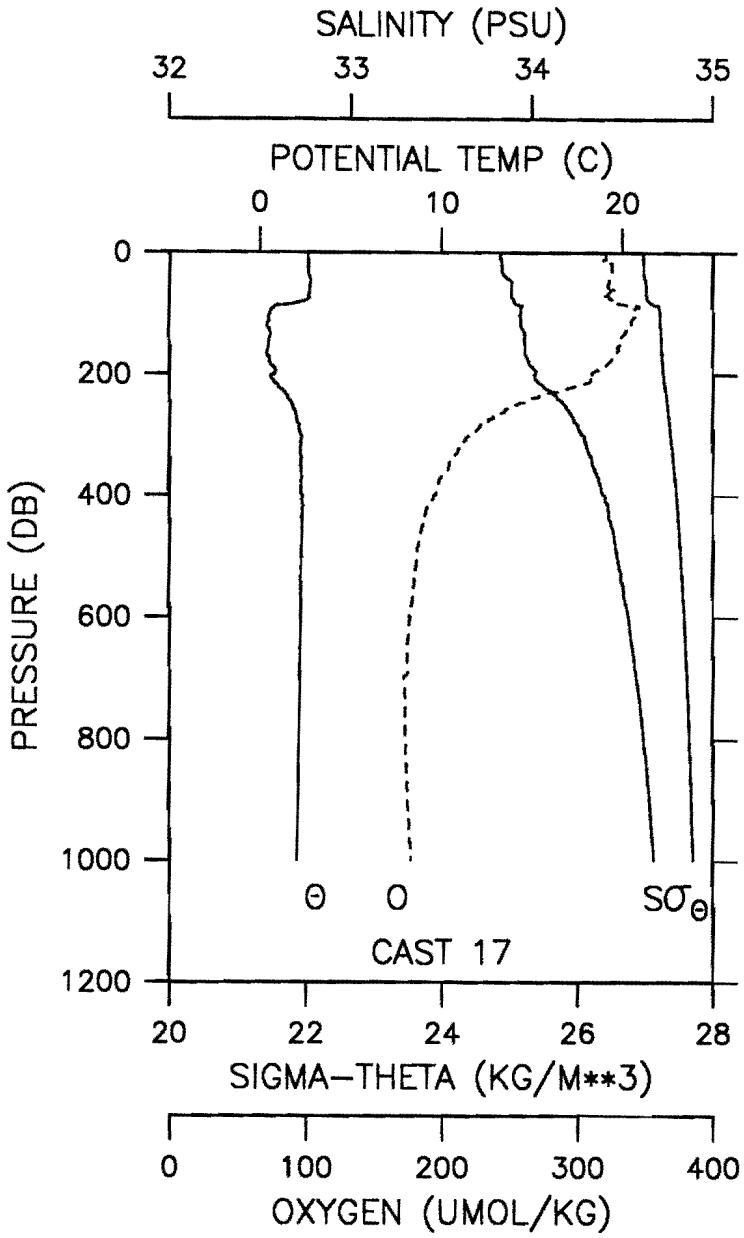
CAST CG2-94-DI -016 DATE 01 MAR 94 TIME 1410 GMT
LAT 63 59.5S LONG 102 59.1W WEATHER 6 SEA STATE 4
BAROMETER 22 WIND DIR 025 T SPD 27 KT VISIBILITY 6
CLOUD 7 AMOUNT 8 DRY 03.9 WET 03.8 DEPTH 5050 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	2.799	33.901	324.6	27.026	0.000
10	2.796	33.890	324.6	27.017	0.010
20	2.794	33.891	321.3	27.018	0.021
30	2.792	33.891	321.5	27.018	0.031
40	2.792	33.893	321.2	27.020	0.041
50	2.792	33.895	321.9	27.021	0.052
60	2.739	33.909	322.4	27.037	0.062
70	1.456	33.982	334.2	27.196	0.071
80	1.321	33.995	334.7	27.216	0.080
90	1.236	34.007	330.8	27.231	0.088
100	1.240	34.011	327.0	27.235	0.096
110	1.212	34.010	326.0	27.236	0.105
120	1.207	34.012	325.0	27.237	0.113
130	1.169	34.012	324.4	27.240	0.121
140	1.090	34.007	323.8	27.241	0.129
150	1.041	34.006	324.0	27.243	0.138
160	0.991	34.003	323.8	27.245	0.146
170	0.980	34.005	323.4	27.247	0.154
180	0.962	34.005	322.7	27.248	0.162
190	0.964	34.008	321.1	27.250	0.170
200	0.947	34.008	320.4	27.251	0.178
250	1.426	34.092	293.2	27.286	0.218
300	2.161	34.212	247.1	27.328	0.257
350	2.404	34.282	218.5	27.364	0.294
400	2.444	34.342	205.1	27.408	0.329
450	2.337	34.376	195.6	27.444	0.362
500	2.312	34.427	187.7	27.488	0.394
550	2.283	34.465	182.8	27.520	0.424
600	2.258	34.496	179.5	27.547	0.452
650	2.221	34.523	177.1	27.572	0.480
700	2.199	34.555	174.7	27.599	0.506
750	2.182	34.575	173.7	27.617	0.532
800	2.162	34.593	173.5	27.633	0.557
900	2.118	34.628	173.5	27.664	0.604
1000	2.054	34.658	175.4	27.694	0.650
1500	1.688	34.726	187.1	27.777	0.853
2000	1.292	34.728	192.1	27.806	1.036
2500	0.941	34.719	196.4	27.824	1.208
3000	0.676	34.711	199.6	27.834	1.372
3500	0.421	34.706	205.0	27.845	1.528
4000	0.181	34.703	210.7	27.857	1.674
4500	0.048	34.704	218.4	27.865	1.810
5000	-0.014	34.703	227.2	27.867	1.946
5103	-0.021	34.703	227.2	27.867	1.973

CAST CG2-94-DI -017 DATE 02 MAR 94 TIME 0130 GMT

LAT 63 30.0S LONG 102 59.6W



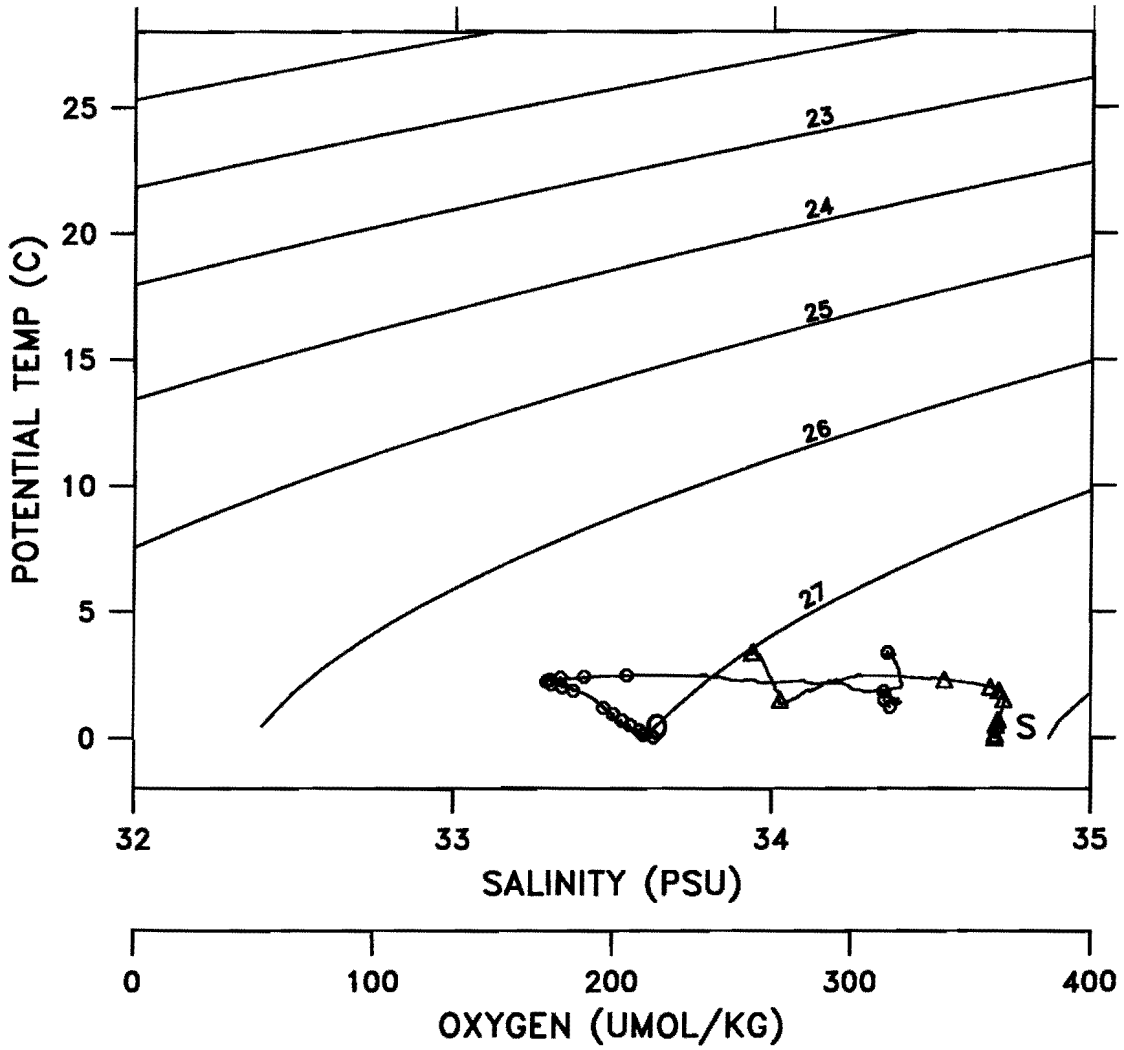


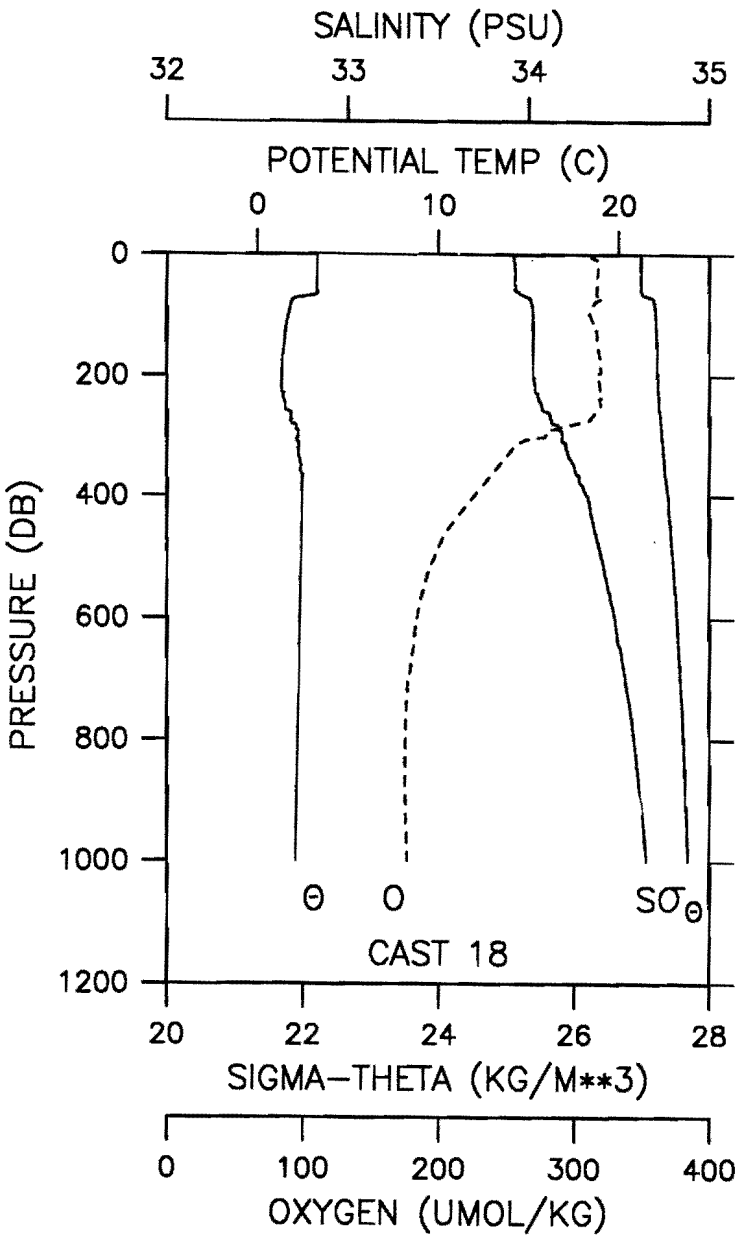
CAST CG2-94-DI -017 DATE 02 MAR 94 TIME 0130 GMT
LAT 63 30.0S LONG 102 59.6W WEATHER 6 SEA STATE 5
BAROMETER 70 WIND DIR 030 T SPD 30 KT VISIBILITY 4
CLOUD X AMOUNT 9 DRY 04.2 WET 04.0 DEPTH 4987 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	2.640	33.828	321.2	26.981	0.000
10	2.639	33.824	321.2	26.978	0.011
20	2.664	33.833	325.8	26.983	0.021
30	2.666	33.833	325.6	26.983	0.032
40	2.731	33.857	324.9	26.996	0.043
50	2.764	33.888	323.3	27.018	0.053
60	2.731	33.887	327.4	27.020	0.063
70	2.686	33.886	319.7	27.024	0.074
80	2.428	33.899	327.1	27.056	0.084
90	0.756	33.941	345.4	27.209	0.093
100	0.542	33.936	343.3	27.218	0.102
110	0.468	33.936	340.4	27.222	0.110
120	0.389	33.938	339.0	27.228	0.118
130	0.535	33.955	335.5	27.233	0.127
140	0.501	33.958	332.4	27.238	0.135
150	0.448	33.958	332.4	27.241	0.143
160	0.403	33.959	330.6	27.244	0.151
170	0.403	33.966	327.8	27.250	0.159
180	0.513	33.981	324.1	27.256	0.167
190	0.758	34.009	318.0	27.264	0.175
200	0.716	34.016	310.8	27.272	0.183
250	1.742	34.175	256.0	27.331	0.222
300	2.242	34.281	221.3	27.377	0.258
350	2.231	34.335	205.1	27.420	0.292
400	2.326	34.401	194.0	27.466	0.325
450	2.315	34.438	185.9	27.496	0.355
500	2.268	34.467	182.1	27.523	0.385
550	2.251	34.502	179.5	27.553	0.413
600	2.234	34.533	176.7	27.579	0.440
650	2.216	34.555	175.1	27.598	0.467
700	2.178	34.578	172.2	27.619	0.492
750	2.157	34.599	173.2	27.638	0.516
800	2.139	34.618	173.5	27.654	0.540
900	2.090	34.648	175.2	27.682	0.586
1000	2.037	34.672	177.4	27.706	0.630
1500	1.671	34.727	190.0	27.778	0.830
2000	1.265	34.728	195.3	27.808	1.011
2500	0.936	34.719	198.1	27.824	1.183
3000	0.656	34.710	202.5	27.835	1.346
3500	0.405	34.706	208.2	27.846	1.501
4000	0.171	34.703	213.4	27.858	1.645
4500	0.040	34.703	217.7	27.865	1.781
5000	-0.014	34.703	222.2	27.867	1.916
5109	-0.021	34.703	222.0	27.868	1.945

CAST CG2-94-DI -018 DATE 02 MAR 94 TIME 0845 GMT

LAT 63 0.1S LONG 102 58.4W



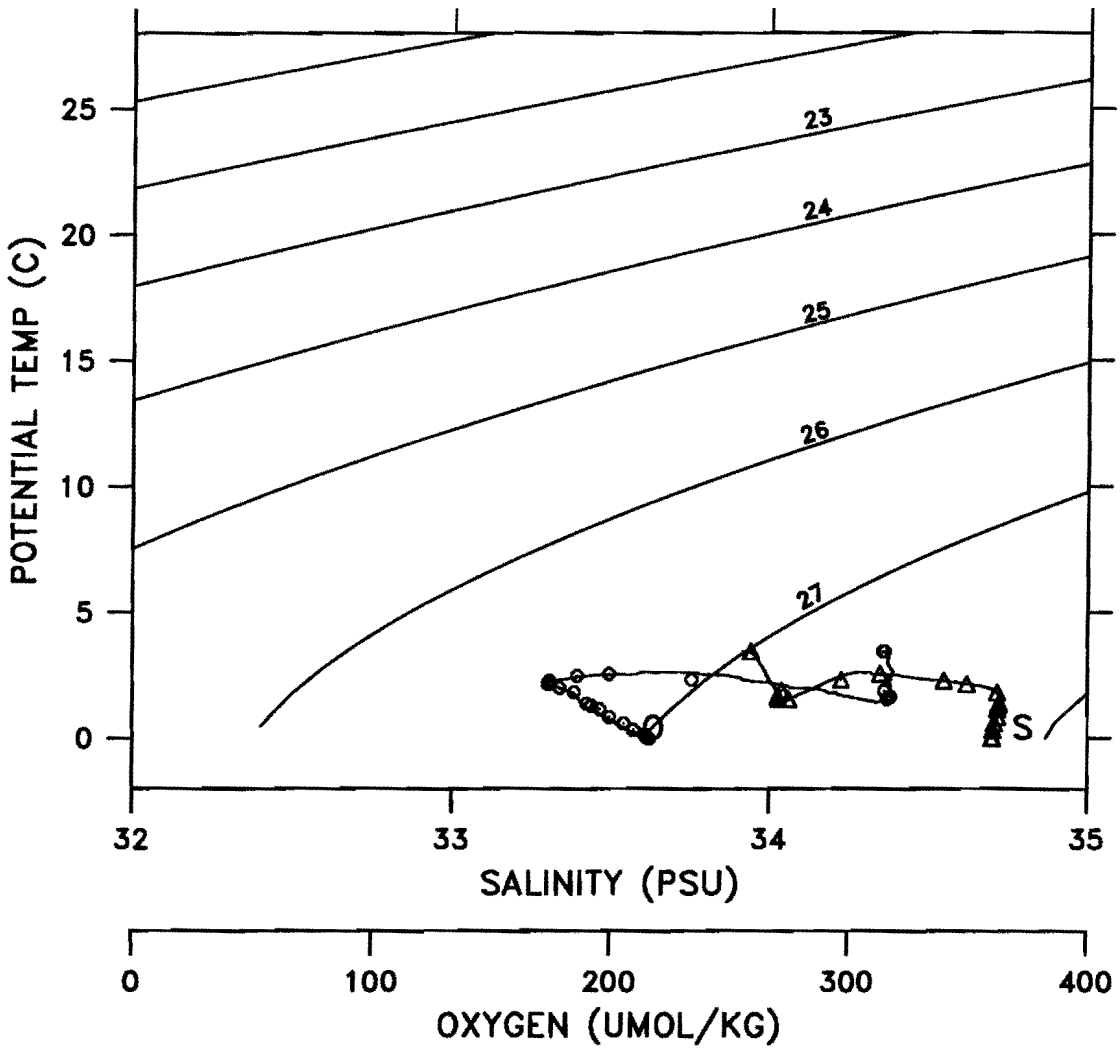


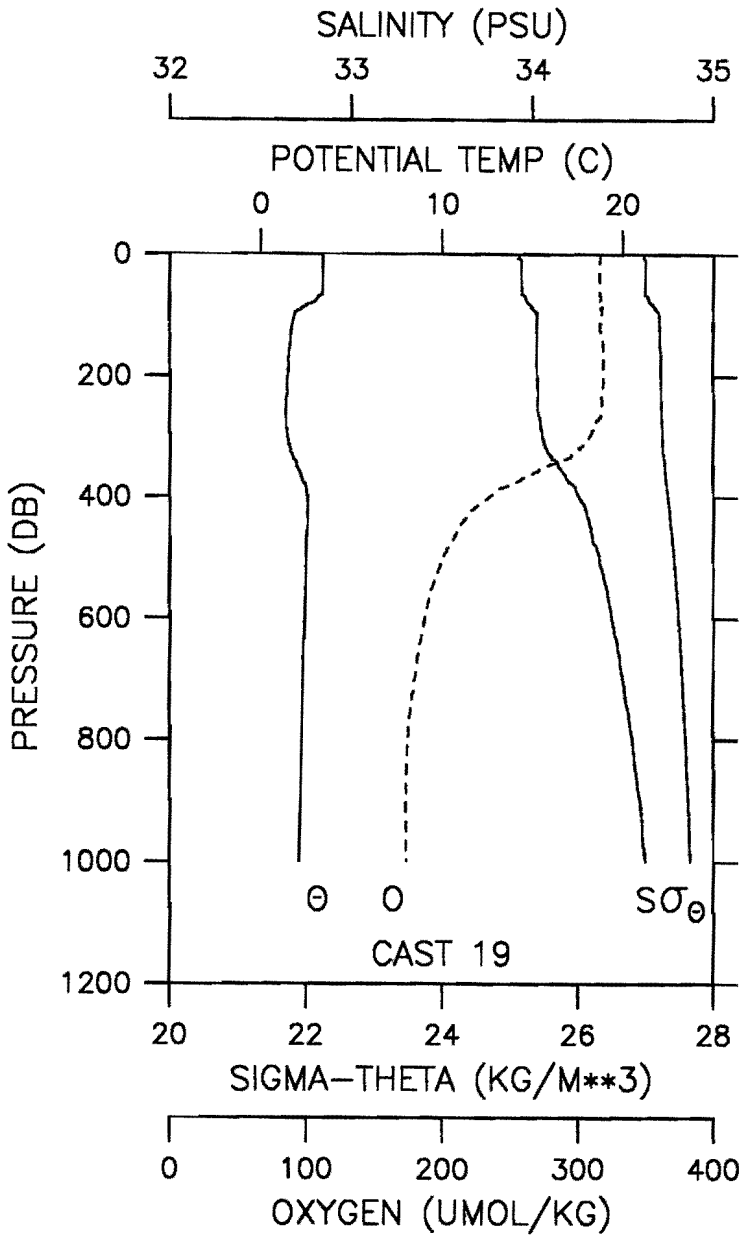
CAST CG2-94-DI -018 DATE 02 MAR 94 TIME 0845 GMT
LAT 63 0.1S LONG 102 58.4W WEATHER 2 SEA STATE 4
BAROMETER 69 WIND DIR 340 T SPD 30 KT VISIBILITY 7
CLOUD 7 AMOUNT 8 DRY 4.8 WET 4.0 DEPTH 5037 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	3.296	33.922	313.0	26.998	0.000
10	3.295	33.921	318.5	26.996	0.011
20	3.303	33.923	318.1	26.997	0.021
30	3.309	33.924	317.8	26.998	0.032
40	3.305	33.923	317.8	26.998	0.042
50	3.310	33.925	317.5	26.998	0.053
60	3.327	33.934	317.1	27.004	0.063
70	2.563	33.988	320.1	27.116	0.073
80	1.876	34.014	315.3	27.191	0.082
90	1.808	34.022	312.3	27.203	0.091
100	1.713	34.023	312.1	27.210	0.099
110	1.646	34.022	313.8	27.215	0.108
120	1.589	34.021	316.1	27.218	0.116
130	1.537	34.022	317.1	27.222	0.125
140	1.508	34.023	317.3	27.226	0.133
150	1.475	34.024	317.6	27.228	0.141
160	1.436	34.024	318.1	27.231	0.150
170	1.390	34.024	319.1	27.234	0.158
180	1.374	34.025	319.6	27.237	0.166
190	1.349	34.026	320.1	27.239	0.175
200	1.342	34.027	318.4	27.240	0.183
250	1.540	34.072	320.0	27.262	0.224
300	2.249	34.186	278.9	27.300	0.263
350	2.403	34.250	244.2	27.338	0.302
400	2.468	34.324	226.3	27.392	0.338
450	2.446	34.360	208.5	27.422	0.372
500	2.439	34.400	197.0	27.455	0.405
550	2.375	34.438	189.1	27.491	0.437
600	2.350	34.475	184.2	27.523	0.467
650	2.356	34.507	181.5	27.548	0.495
700	2.317	34.535	177.2	27.573	0.523
750	2.269	34.563	176.3	27.600	0.550
800	2.236	34.583	175.7	27.618	0.576
900	2.168	34.620	175.6	27.653	0.625
1000	2.113	34.652	176.9	27.684	0.671
1500	1.761	34.723	187.6	27.768	0.881
2000	1.329	34.728	194.6	27.804	1.067
2500	0.997	34.721	199.0	27.822	1.242
3000	0.691	34.712	202.0	27.834	1.408
3500	0.436	34.706	206.7	27.844	1.566
4000	0.188	34.703	211.9	27.856	1.712
4500	0.045	34.703	214.9	27.864	1.849
4920	-0.009	34.703	218.4	27.867	1.962

CAST CG2-94-DI -019 DATE 02 MAR 94 TIME 1603 GMT

LAT 62 29.7S LONG 103 00.5W



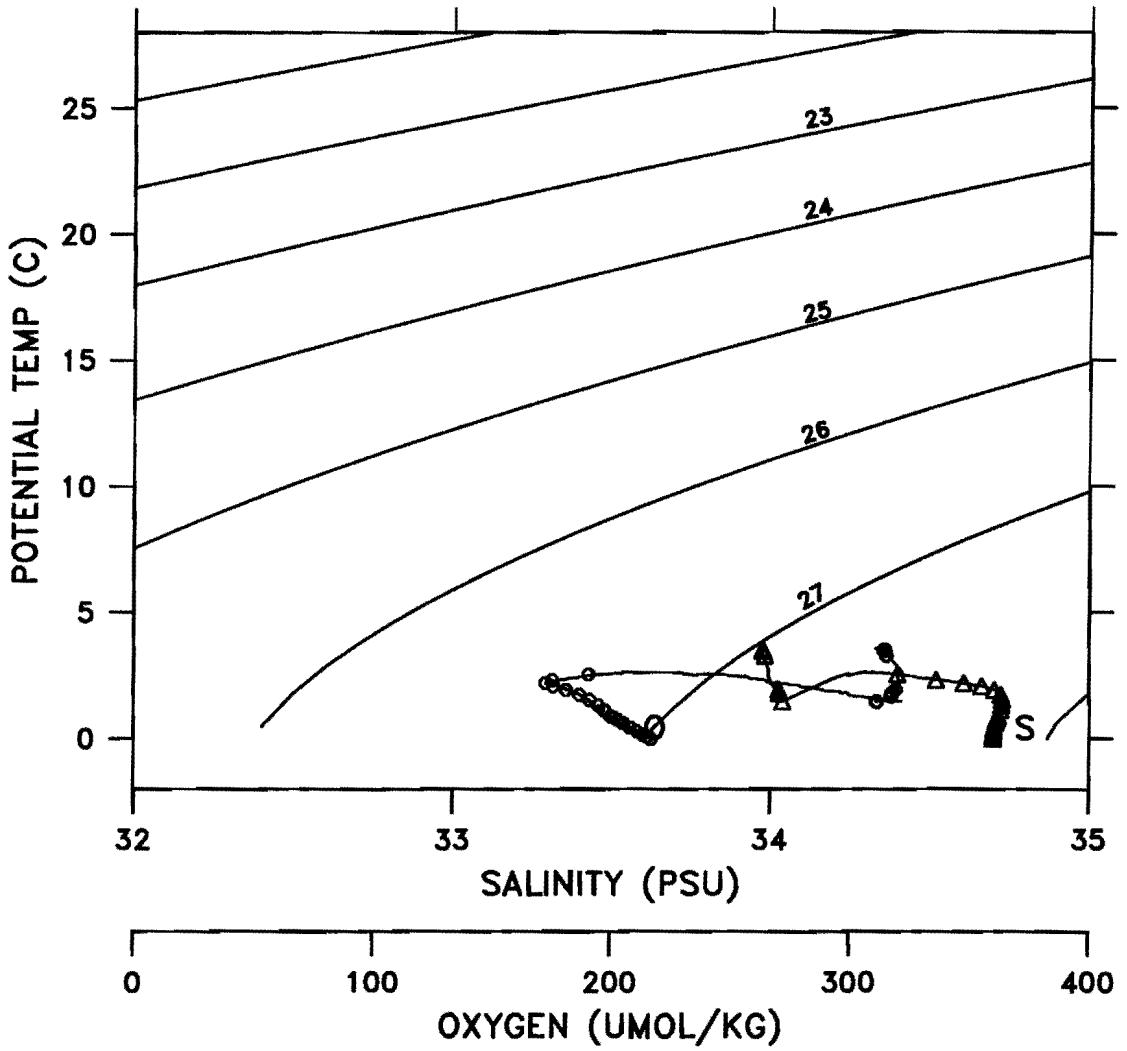


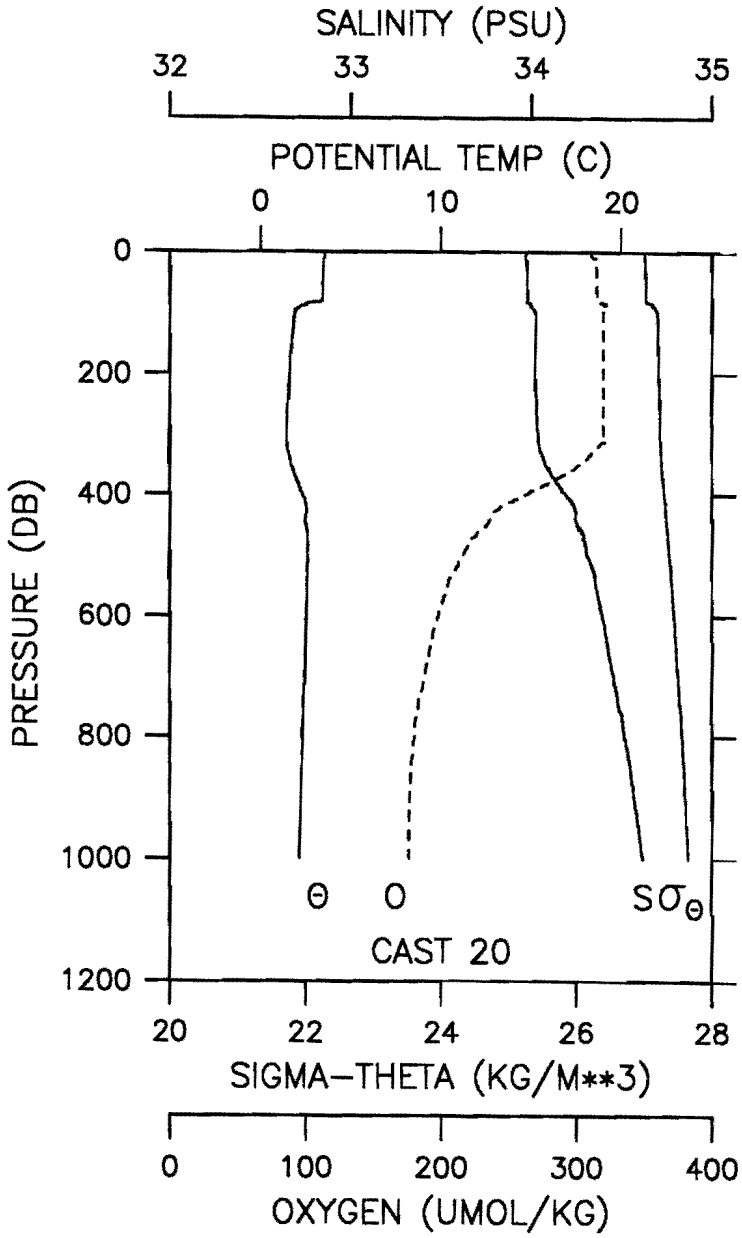
CAST CG2-94-DI -019 DATE 02 MAR 94 TIME 1603 GMT
LAT 62 29.7S LONG 103 00.5W WEATHER 2 SEA STATE 4
BAROMETER 50 WIND DIR 345 T SPD 15 KT VISIBILITY 7
CLOUD 7 AMOUNT 8 DRY 04.7 WET 03.8 DEPTH 5041 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	3.432	33.929	316.5	26.991	0.000
10	3.431	33.940	316.5	26.999	0.011
20	3.431	33.940	316.4	26.999	0.021
30	3.431	33.940	316.4	26.999	0.032
40	3.430	33.940	316.4	26.999	0.042
50	3.430	33.940	316.3	26.999	0.053
60	3.424	33.941	316.2	27.001	0.063
70	3.165	33.961	317.1	27.041	0.074
80	2.836	33.977	317.6	27.083	0.084
90	2.228	34.004	317.4	27.156	0.093
100	1.866	34.022	317.7	27.199	0.102
110	1.785	34.024	317.2	27.206	0.110
120	1.715	34.024	316.2	27.211	0.119
130	1.659	34.023	317.2	27.214	0.127
140	1.632	34.022	318.2	27.216	0.136
150	1.615	34.023	318.8	27.218	0.144
160	1.566	34.023	319.1	27.221	0.153
170	1.547	34.023	318.8	27.223	0.161
180	1.534	34.024	318.7	27.224	0.170
190	1.514	34.025	318.7	27.227	0.178
200	1.492	34.026	318.7	27.229	0.186
250	1.394	34.031	317.7	27.240	0.228
300	1.478	34.055	308.9	27.253	0.269
350	2.001	34.144	275.7	27.286	0.309
400	2.568	34.257	234.5	27.330	0.348
450	2.602	34.321	213.3	27.378	0.385
500	2.517	34.371	200.3	27.425	0.420
550	2.484	34.409	192.8	27.459	0.453
600	2.428	34.437	187.4	27.486	0.484
650	2.375	34.469	183.0	27.516	0.515
700	2.340	34.499	180.0	27.542	0.544
750	2.303	34.527	176.9	27.568	0.572
800	2.271	34.552	174.9	27.591	0.599
900	2.206	34.595	173.2	27.631	0.651
1000	2.140	34.627	174.0	27.661	0.700
1500	1.689	34.724	185.4	27.775	0.911
2000	1.311	34.721	187.7	27.800	1.092
2500	1.202	34.722	189.7	27.809	1.275
3000	0.836	34.716	197.7	27.828	1.454
3500	0.501	34.707	204.0	27.841	1.618
4000	0.212	34.704	210.6	27.856	1.767
4500	0.057	34.703	214.8	27.864	1.905
5000	-0.010	34.703	218.2	27.867	2.041
5158	-0.021	34.703	218.1	27.868	2.084

CAST CG2-94-DI -020 DATE 02 MAR 94 TIME 2333 GMT

LAT 61 59.8S LONG 102 59.8W



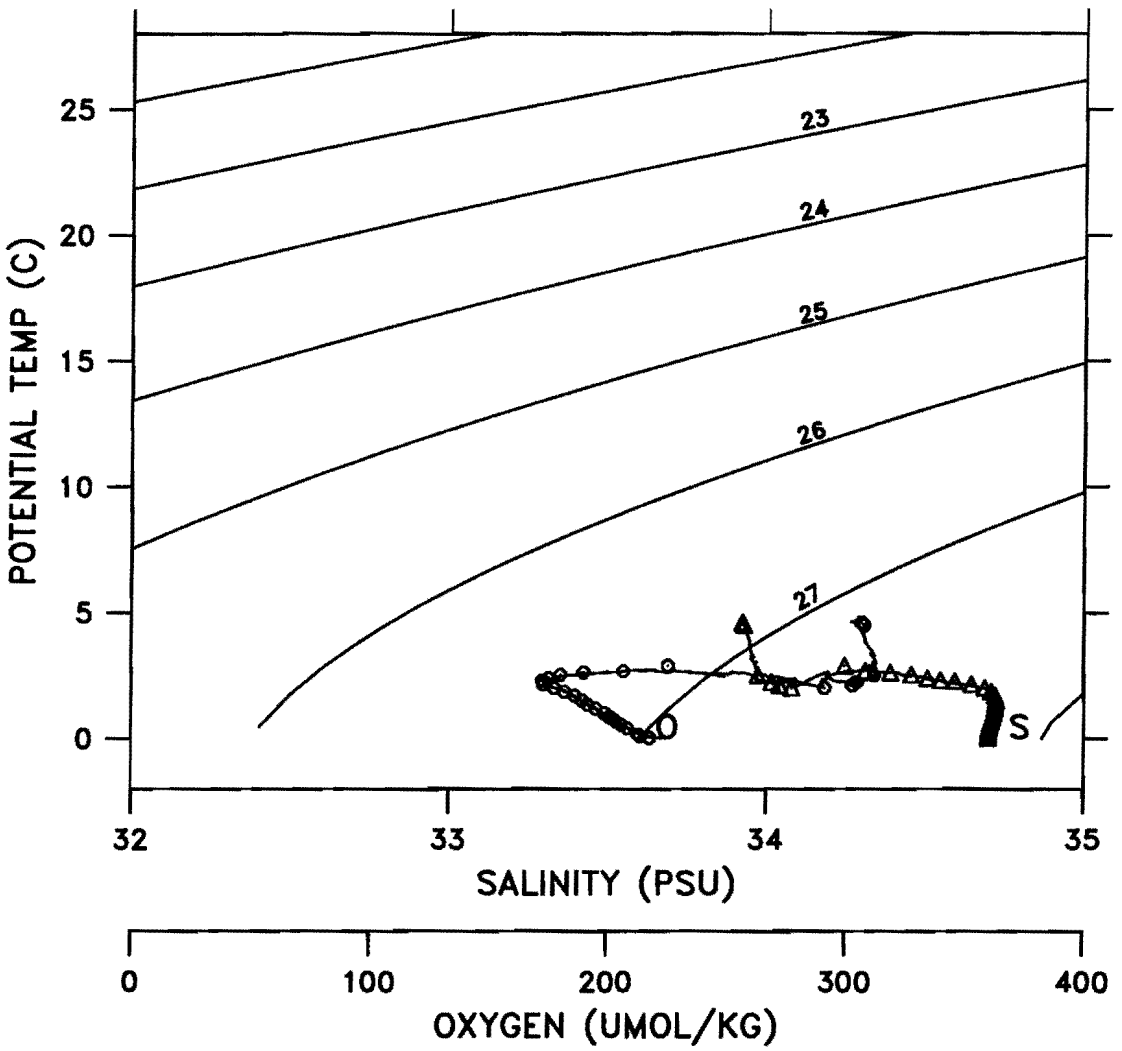


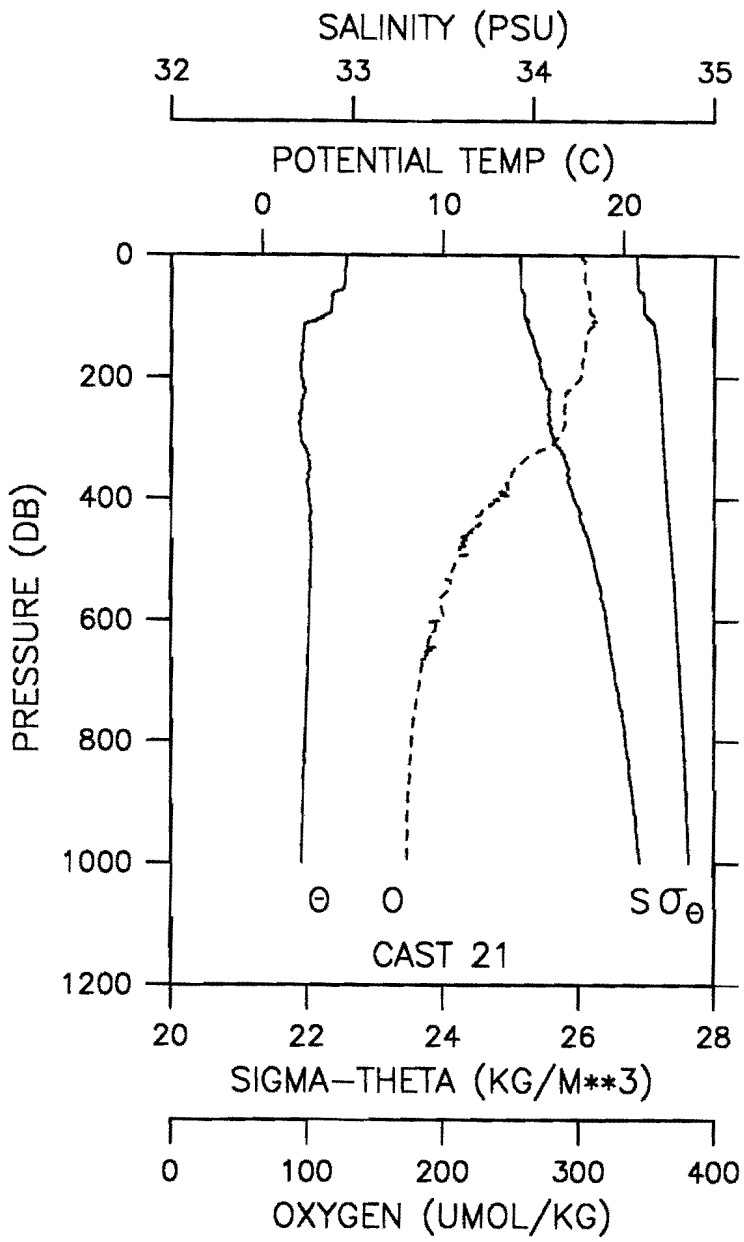
CAST CG2–94–DI –020 DATE 02 MAR 94 TIME 2333 GMT
LAT 61 59.8S LONG 102 59.8W WEATHER 2 SEA STATE 4
BAROMETER 77 WIND DIR 040 T SPD 08 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 05.3 WET 05.0 DEPTH 5079 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG–TH	DELTA–D (DYN–M)
0	3.559	33.972	311.0	27.012	0.000
10	3.553	33.967	314.7	27.009	0.010
20	3.503	33.975	314.8	27.020	0.021
30	3.492	33.976	314.8	27.022	0.031
40	3.476	33.978	315.0	27.025	0.041
50	3.472	33.979	315.0	27.026	0.052
60	3.465	33.979	315.1	27.027	0.062
70	3.455	33.979	315.2	27.028	0.072
80	3.413	33.977	315.4	27.030	0.082
90	2.202	34.002	320.6	27.156	0.092
100	1.892	34.021	320.0	27.196	0.101
110	1.860	34.023	320.0	27.200	0.109
120	1.841	34.025	320.0	27.203	0.118
130	1.798	34.025	320.0	27.206	0.127
140	1.776	34.025	320.0	27.207	0.135
150	1.745	34.024	320.0	27.209	0.144
160	1.698	34.023	319.9	27.212	0.152
170	1.666	34.022	319.9	27.213	0.161
180	1.650	34.022	319.9	27.215	0.169
190	1.639	34.023	319.9	27.216	0.178
200	1.628	34.023	319.9	27.217	0.186
250	1.531	34.027	319.8	27.227	0.228
300	1.468	34.037	319.7	27.240	0.270
350	1.677	34.077	302.3	27.257	0.311
400	2.319	34.190	261.7	27.297	0.351
450	2.509	34.253	233.6	27.332	0.390
500	2.606	34.312	216.4	27.371	0.427
550	2.576	34.359	204.9	27.410	0.462
600	2.534	34.394	198.0	27.442	0.496
650	2.500	34.423	192.1	27.469	0.529
700	2.441	34.457	187.5	27.501	0.560
750	2.381	34.486	183.1	27.529	0.591
800	2.318	34.516	180.3	27.558	0.619
900	2.251	34.568	176.7	27.606	0.674
1000	2.168	34.616	176.3	27.650	0.724
1500	1.863	34.712	184.0	27.752	0.943
2000	1.350	34.728	192.7	27.803	1.134
2500	0.987	34.720	196.6	27.822	1.308
3000	0.811	34.715	198.7	27.829	1.477
3500	0.604	34.708	203.1	27.836	1.644
4000	0.290	34.703	209.5	27.851	1.801
4500	0.079	34.702	214.7	27.862	1.943
5000	–0.002	34.702	218.1	27.866	2.079
5133	–0.018	34.702	218.3	27.867	2.116

CAST CG2-94-DI -021 DATE 03 MAR 94 TIME 0634 GMT

LAT 61 29.2S LONG 102 59.3W



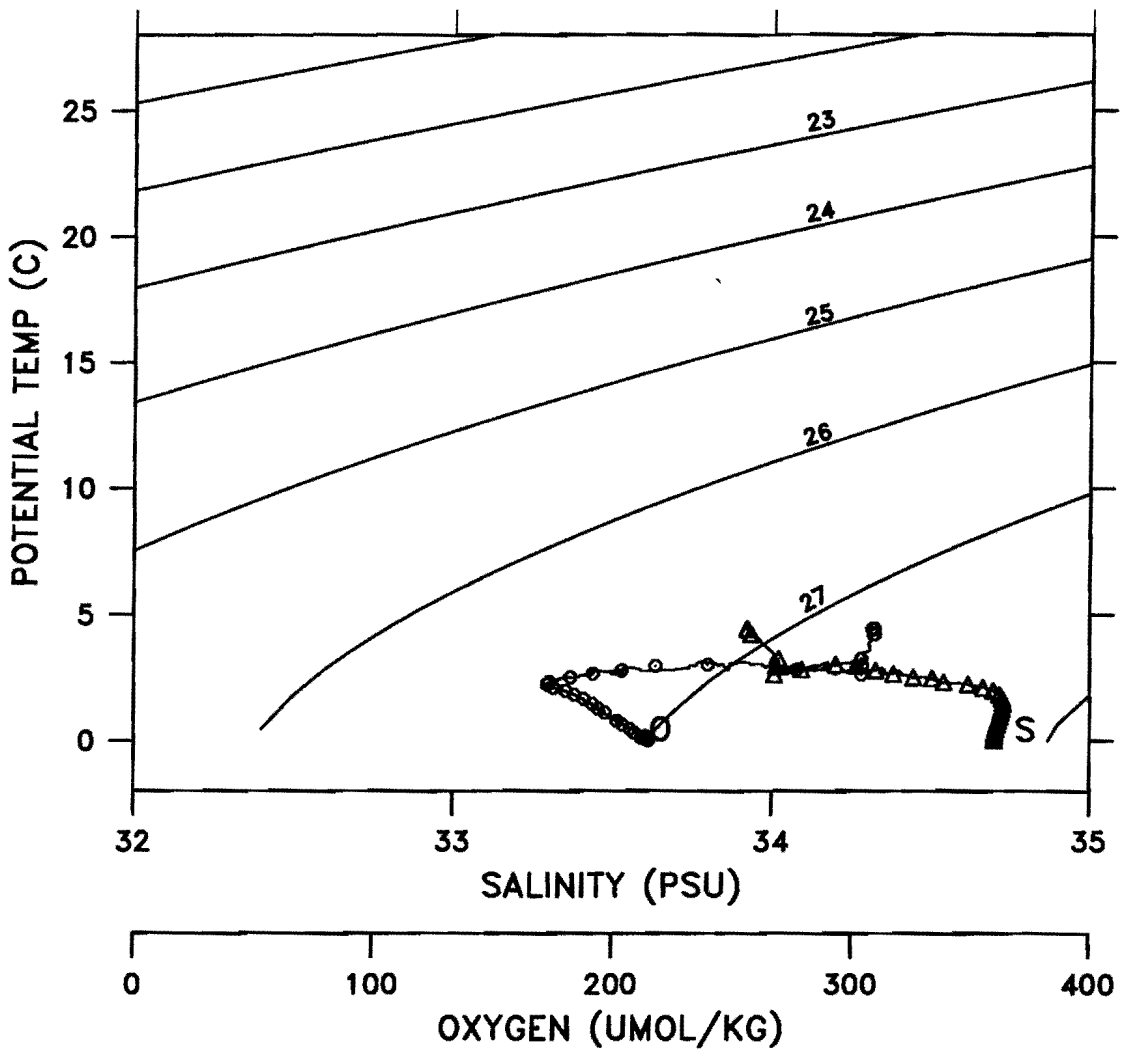


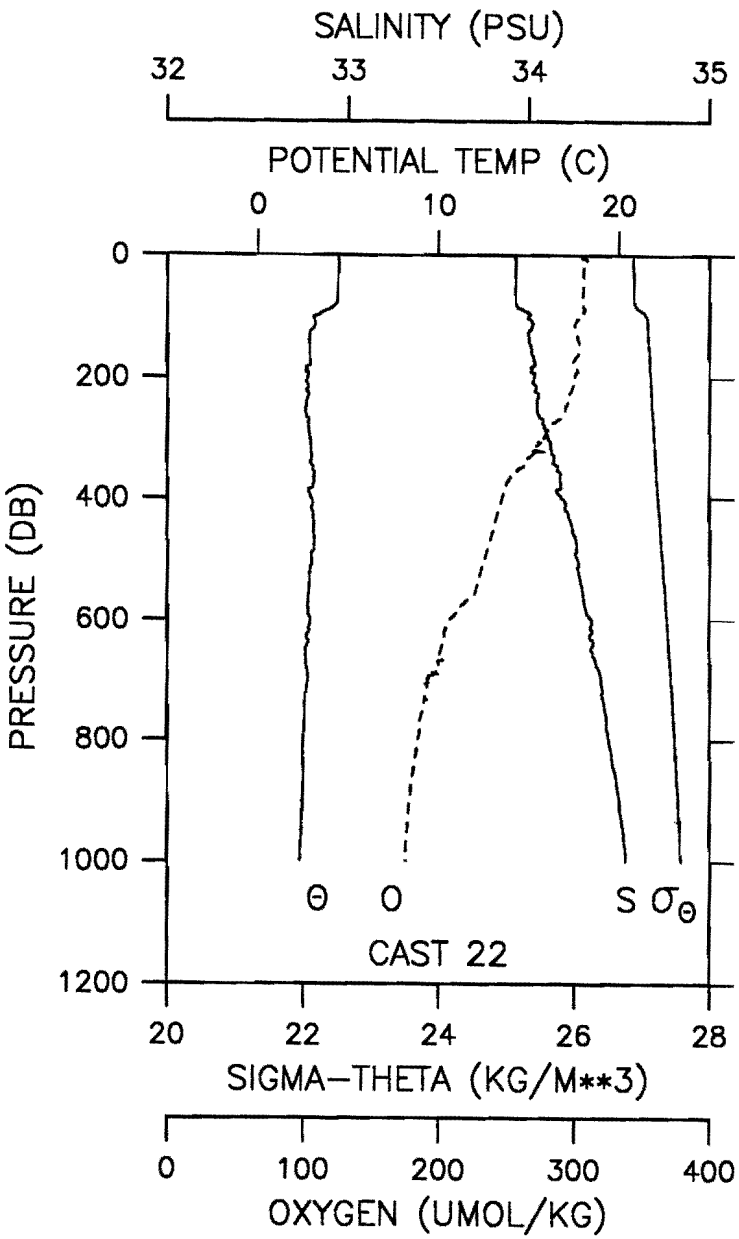
CAST CG2-94-DI -021 DATE 03 MAR 94 TIME 0634 GMT
LAT 61 29.2S LONG 102 59.3W WEATHER 2 SEA STATE 3
BAROMETER 98 WIND DIR 125 T SPD 09 KT VISIBILITY 5
CLOUD 7 AMOUNT 8 DRY 04.8 WET 04.3 DEPTH 5143 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	4.653	33.930	302.4	26.866	0.000
10	4.652	33.927	304.8	26.863	0.012
20	4.612	33.930	305.0	26.870	0.024
30	4.570	33.931	305.0	26.876	0.035
40	4.566	33.931	304.9	26.877	0.047
50	4.527	33.932	305.1	26.882	0.059
60	4.064	33.944	307.5	26.939	0.070
70	3.876	33.950	308.0	26.963	0.081
80	3.829	33.948	308.3	26.967	0.092
90	3.808	33.949	308.6	26.970	0.103
100	3.402	33.954	311.5	27.013	0.113
110	2.531	33.972	313.3	27.105	0.124
120	2.332	33.974	308.4	27.123	0.133
130	2.302	33.987	305.9	27.136	0.142
140	2.253	34.000	305.2	27.151	0.151
150	2.222	34.008	305.1	27.159	0.161
160	2.218	34.020	305.4	27.169	0.170
170	2.228	34.038	303.7	27.183	0.178
180	2.130	34.035	303.2	27.189	0.187
190	2.157	34.042	302.7	27.192	0.196
200	2.171	34.047	301.5	27.195	0.205
250	2.190	34.085	289.7	27.223	0.248
300	2.151	34.109	283.9	27.246	0.289
350	2.649	34.195	252.4	27.273	0.330
400	2.580	34.224	239.5	27.302	0.370
450	2.656	34.279	222.5	27.340	0.409
500	2.704	34.334	209.9	27.380	0.446
550	2.644	34.373	204.1	27.416	0.481
600	2.623	34.402	200.0	27.441	0.515
650	2.545	34.426	188.4	27.467	0.548
700	2.491	34.452	182.9	27.492	0.579
750	2.449	34.488	179.3	27.525	0.610
800	2.367	34.510	177.0	27.550	0.639
900	2.288	34.553	174.3	27.590	0.695
1000	2.192	34.589	173.4	27.627	0.747
1500	1.914	34.706	181.4	27.743	0.976
2000	1.502	34.726	189.1	27.790	1.176
2500	1.169	34.724	195.7	27.812	1.360
3000	0.853	34.716	200.7	27.827	1.536
3500	0.540	34.708	205.5	27.840	1.701
4000	0.282	34.704	212.2	27.852	1.854
4500	0.104	34.703	216.8	27.861	1.997
5000	0.028	34.702	222.6	27.865	2.135
5236	0.023	34.703	225.3	27.865	2.202

CAST CG2-94-DI -022 DATE 03 MAR 94 TIME 1354 GMT

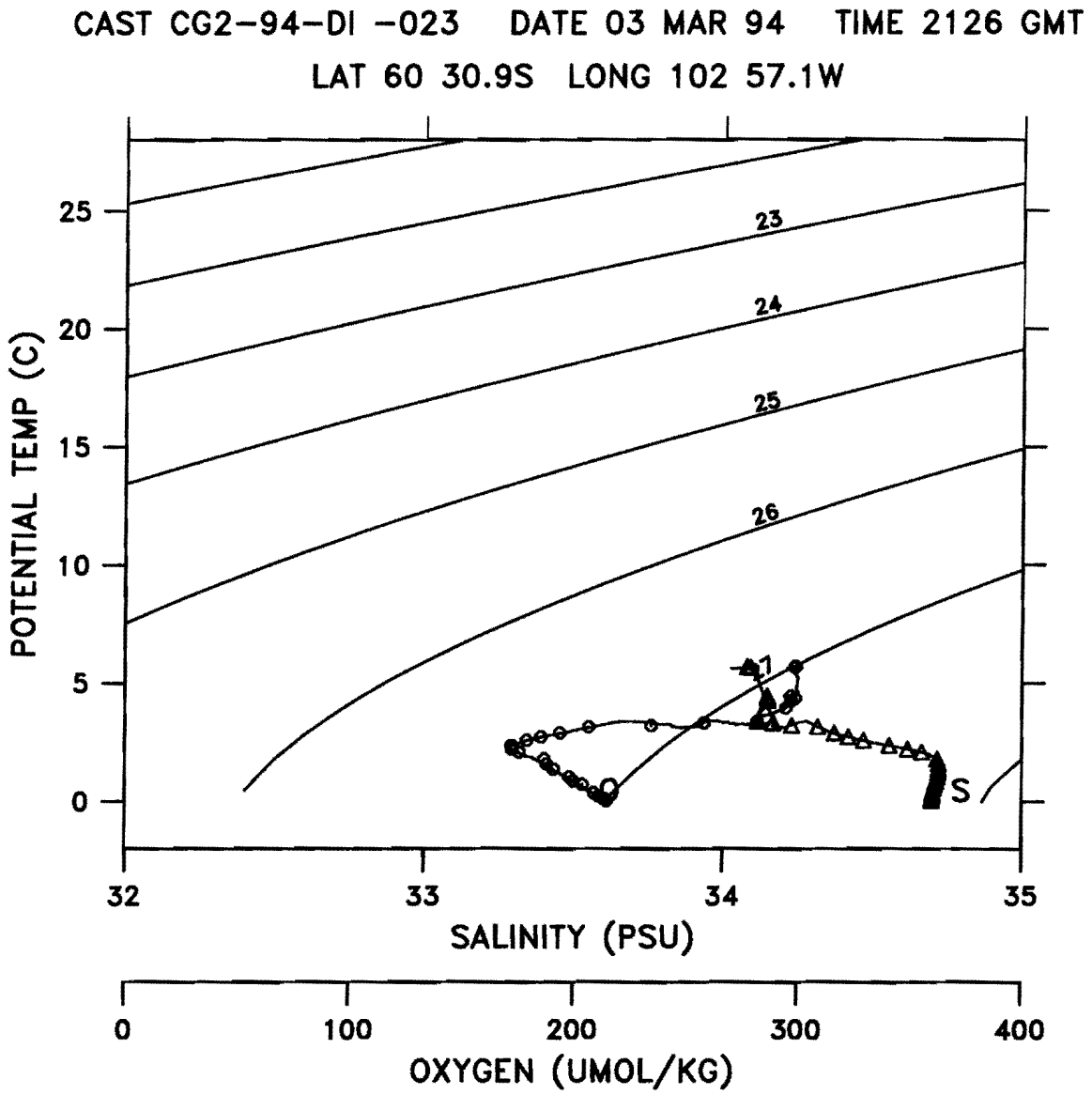
LAT 61 00.5S LONG 103 00.3W

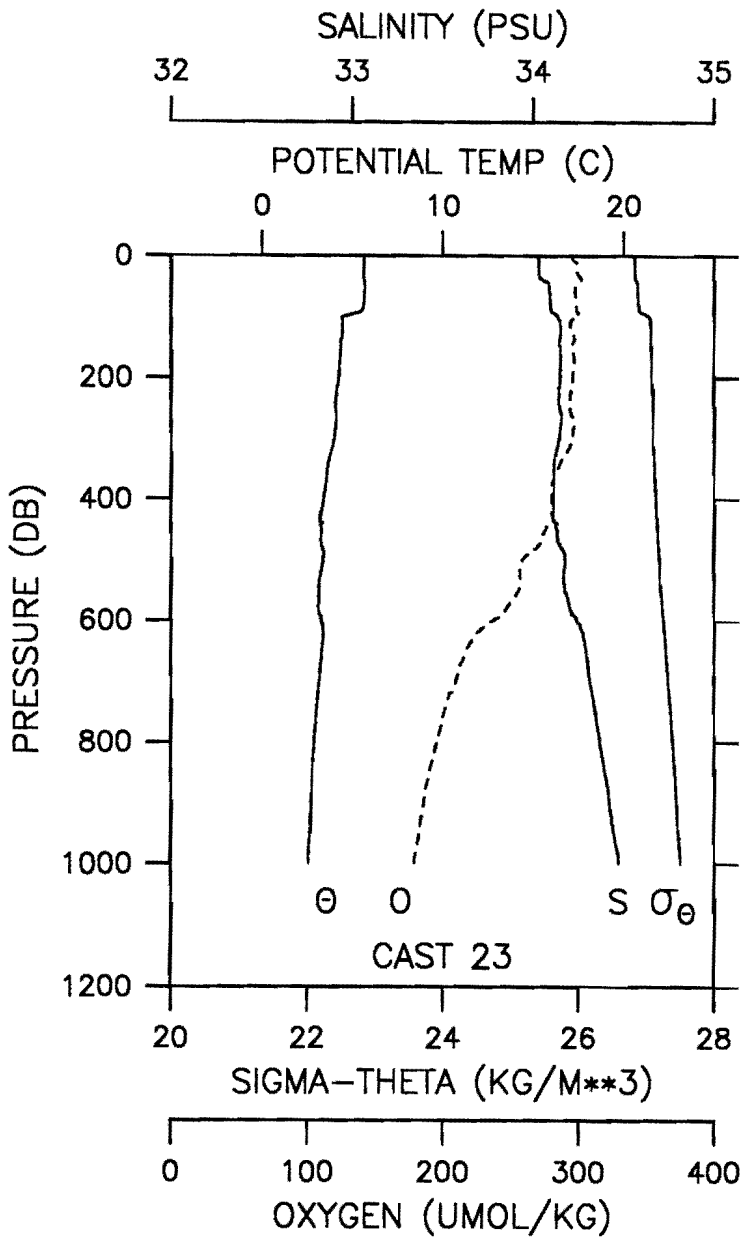




CAST CG2-94-DI -022 DATE 03 MAR 94 TIME 1354 GMT
LAT 61 00.5S LONG 103 00.3W WEATHER 2 SEA STATE 3
BAROMETER 74 WIND DIR 175 T SPD 26 KT VISIBILITY 5
CLOUD 7 AMOUNT 8 DRY 04.4 WET 04.2 DEPTH 4975 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	4.476	33.926	306.0	26.882	0.000
10	4.488	33.925	307.3	26.880	0.012
20	4.491	33.925	307.2	26.879	0.023
30	4.478	33.926	307.1	26.881	0.035
40	4.448	33.928	307.0	26.887	0.047
50	4.440	33.928	306.8	26.887	0.058
60	4.429	33.927	306.5	26.888	0.070
70	4.432	33.928	306.4	26.889	0.081
80	4.326	33.930	306.8	26.901	0.093
90	3.857	33.972	307.0	26.983	0.104
100	3.109	33.996	304.7	27.074	0.114
110	3.164	34.020	301.2	27.088	0.124
120	3.090	34.014	300.6	27.090	0.134
130	2.876	33.997	302.2	27.095	0.143
140	2.837	33.999	303.5	27.101	0.153
150	2.879	34.012	303.4	27.107	0.163
160	2.855	34.015	303.0	27.112	0.172
170	2.894	34.026	300.2	27.117	0.182
180	2.888	34.030	300.5	27.121	0.191
190	2.647	34.010	302.5	27.126	0.201
200	2.737	34.026	300.3	27.131	0.210
250	2.645	34.043	293.5	27.153	0.256
300	2.866	34.105	277.6	27.182	0.302
350	3.027	34.157	259.6	27.210	0.346
400	2.965	34.187	246.9	27.239	0.389
450	3.083	34.240	240.5	27.271	0.431
500	2.974	34.269	234.0	27.304	0.471
550	2.828	34.294	227.6	27.337	0.510
600	2.884	34.345	208.4	27.373	0.548
650	2.625	34.345	201.6	27.395	0.584
700	2.751	34.400	191.8	27.429	0.619
750	2.601	34.421	188.0	27.458	0.653
800	2.506	34.442	184.8	27.483	0.685
900	2.457	34.501	178.3	27.534	0.747
1000	2.292	34.536	175.5	27.576	0.805
1500	2.036	34.684	177.3	27.715	1.053
2000	1.665	34.727	187.3	27.779	1.264
2500	1.265	34.726	193.3	27.807	1.456
3000	0.944	34.719	199.3	27.823	1.637
3500	0.630	34.711	205.1	27.837	1.808
4000	0.306	34.705	211.5	27.851	1.965
4500	0.102	34.704	216.6	27.861	2.109
5000	0.027	34.703	219.9	27.865	2.247
5074	0.021	34.703	220.3	27.865	2.268


CAST CG2-94-DI -023 DATE 03 MAR 94 TIME 2126 GMT
LAT 60 30.9S LONG 102 57.1W
POTENTIAL TEMP (C)
25
20
15
10
5
0
23
24
25
26
1
2
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

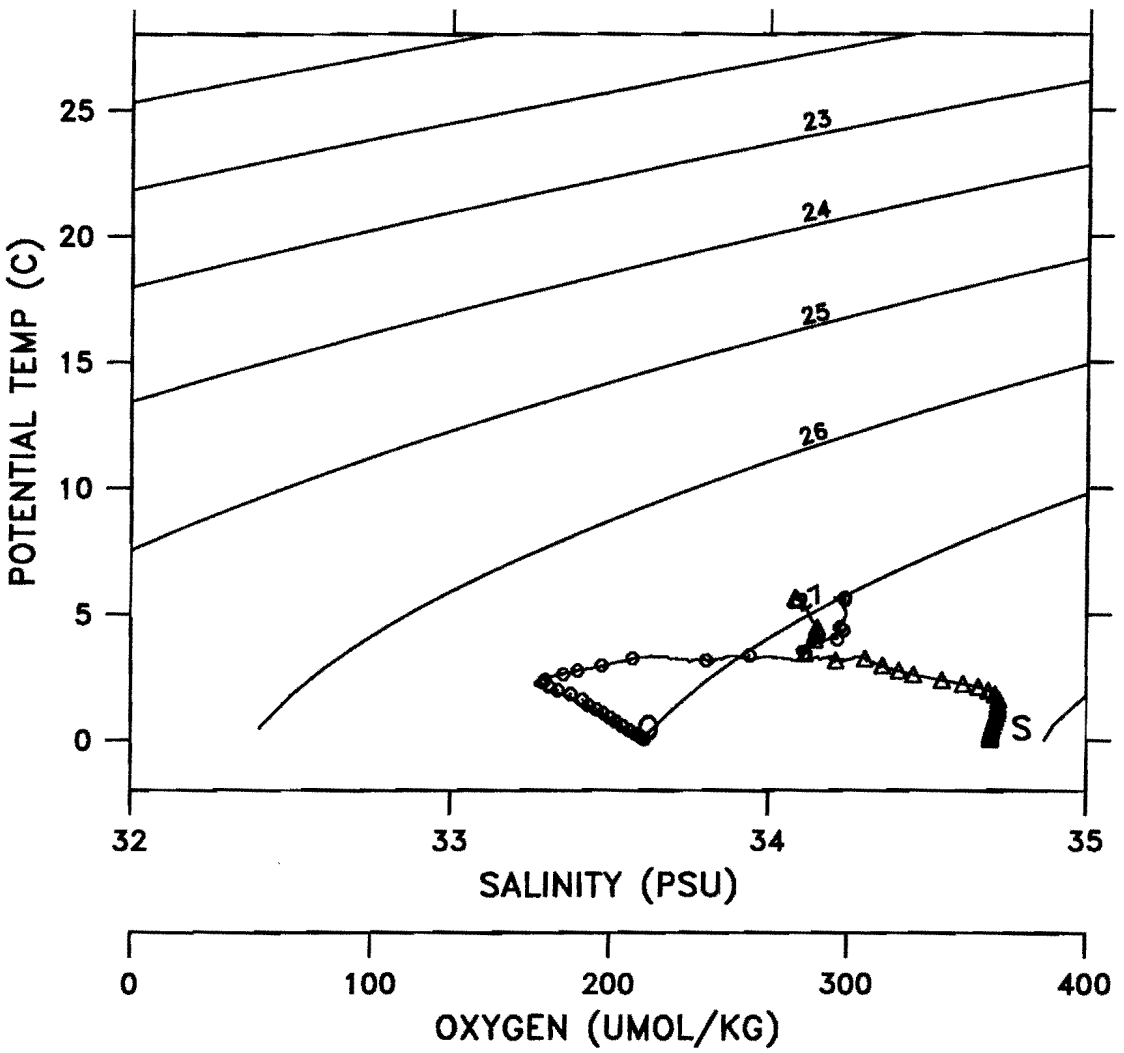


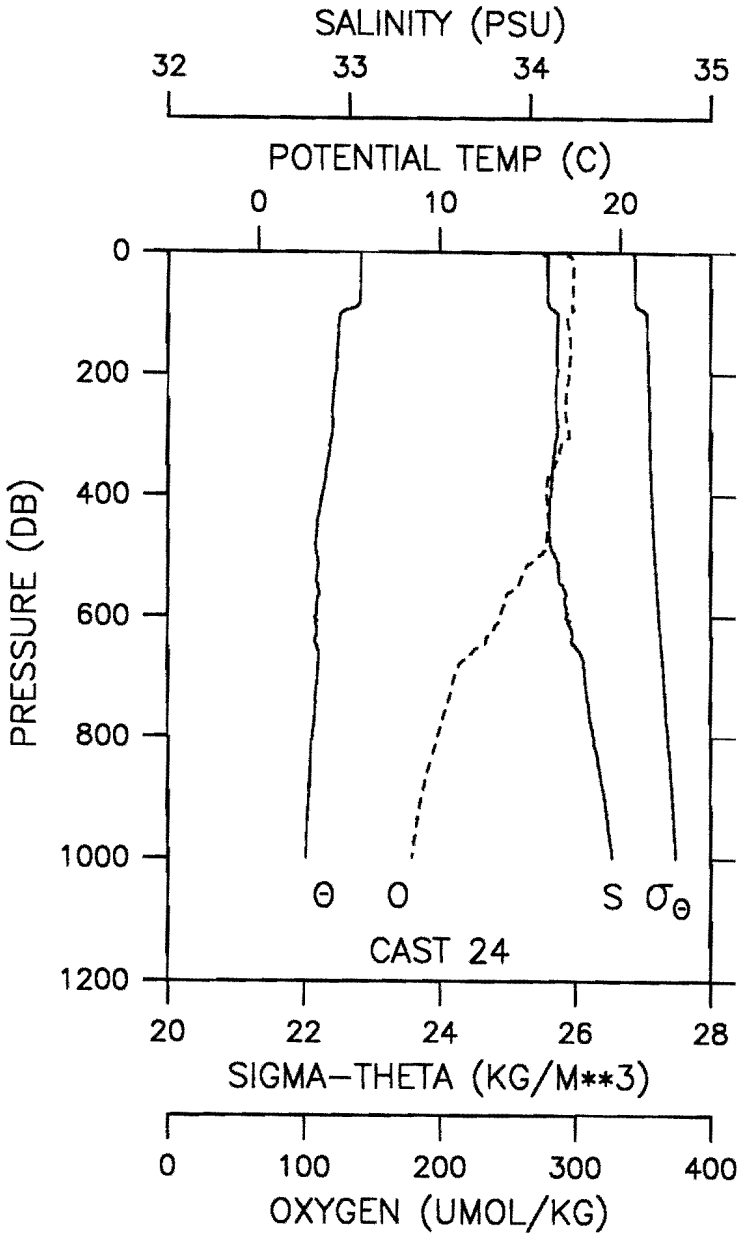
CAST CG2-94-DI -023 DATE 03 MAR 94 TIME 2126 GMT
LAT 60 30.9S LONG 102 57.1W WEATHER 5 SEA STATE 4
BAROMETER 97 WIND DIR 120 T SPD 16 KT VISIBILITY 6
CLOUD 7 AMOUNT 8 DRY 06.5 WET 06.1 DEPTH 5240 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	5.637	34.031	295.4	26.832	0.000
10	5.634	34.029	298.2	26.831	0.012
20	5.632	34.030	298.6	26.832	0.024
30	5.630	34.030	299.4	26.832	0.036
40	5.647	34.052	302.1	26.847	0.048
50	5.673	34.086	298.6	26.871	0.060
60	5.665	34.090	297.3	26.875	0.072
70	5.650	34.093	297.9	26.879	0.084
80	5.629	34.094	298.3	26.883	0.095
90	5.534	34.100	298.7	26.899	0.107
100	4.512	34.136	299.3	27.045	0.118
110	4.452	34.148	294.0	27.061	0.128
120	4.448	34.152	294.7	27.064	0.138
130	4.423	34.150	296.6	27.066	0.148
140	4.365	34.145	296.4	27.068	0.158
150	4.347	34.147	295.5	27.072	0.168
160	4.335	34.149	296.2	27.074	0.178
170	4.319	34.150	296.9	27.077	0.188
180	4.295	34.151	296.4	27.080	0.198
190	4.273	34.149	296.2	27.081	0.208
200	4.241	34.148	296.1	27.083	0.217
250	4.070	34.146	293.8	27.100	0.267
300	3.996	34.143	295.3	27.105	0.315
350	3.619	34.115	284.3	27.120	0.364
400	3.419	34.115	280.5	27.140	0.412
450	3.286	34.131	276.0	27.165	0.459
500	3.388	34.175	258.9	27.190	0.504
550	3.161	34.174	255.6	27.211	0.549
600	3.284	34.243	237.2	27.254	0.593
650	3.329	34.292	216.9	27.290	0.635
700	3.178	34.314	209.8	27.321	0.675
750	3.019	34.345	201.3	27.360	0.714
800	2.906	34.367	195.5	27.388	0.751
900	2.730	34.422	186.2	27.448	0.822
1000	2.573	34.474	178.8	27.503	0.888
1500	2.152	34.645	172.6	27.675	1.165
2000	1.799	34.719	182.4	27.762	1.392
2500	1.364	34.725	189.8	27.800	1.592
3000	1.038	34.721	196.6	27.819	1.779
3500	0.704	34.712	202.3	27.833	1.956
4000	0.366	34.705	208.5	27.848	2.118
4500	0.135	34.703	213.2	27.859	2.266
5000	0.053	34.702	215.4	27.863	2.407
5235	0.042	34.703	215.8	27.864	2.474

CAST CG2-94-DI -024 DATE 04 MAR 94 TIME 0550 GMT

LAT 60 00.2S LONG 103 00.0W



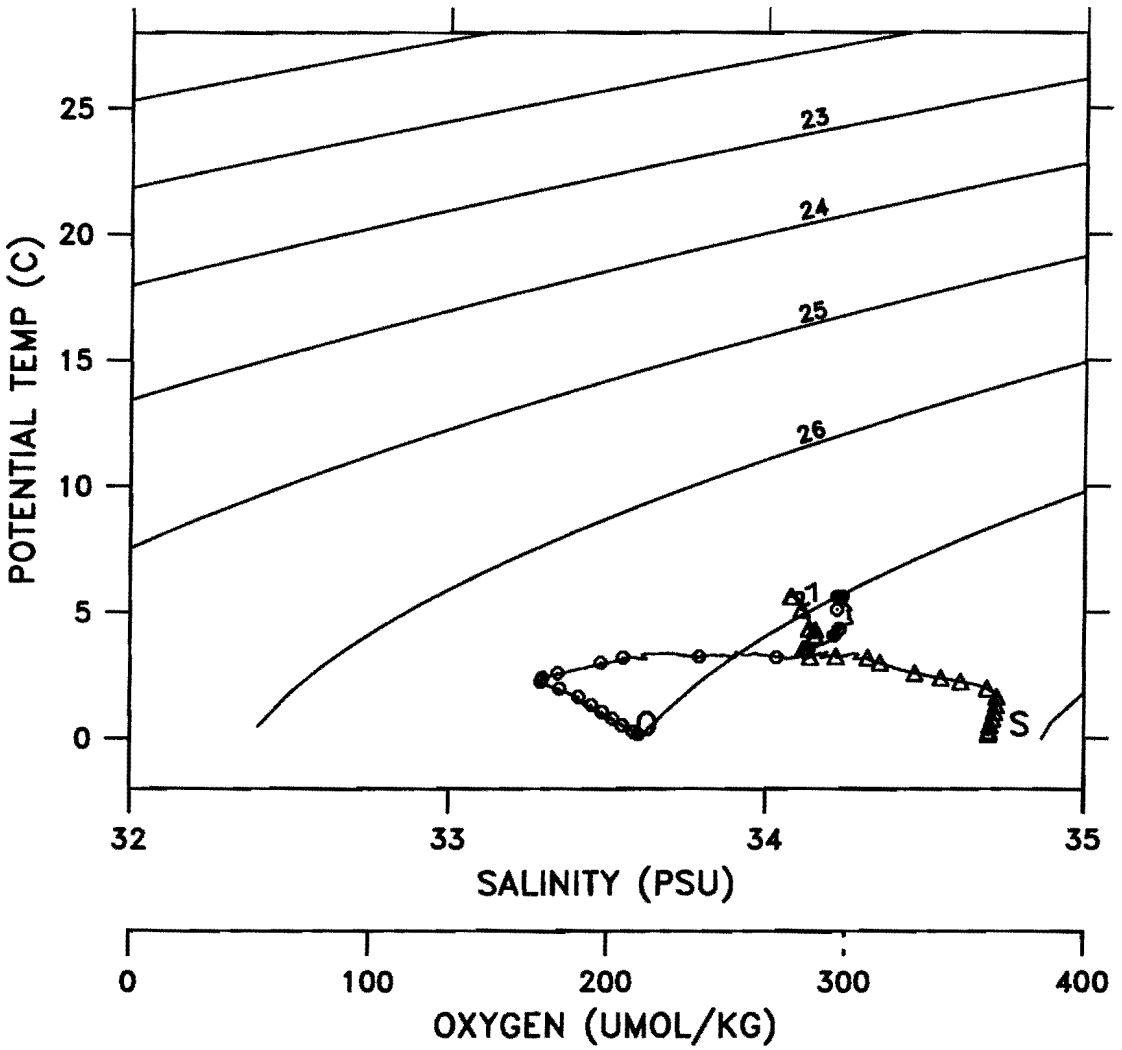


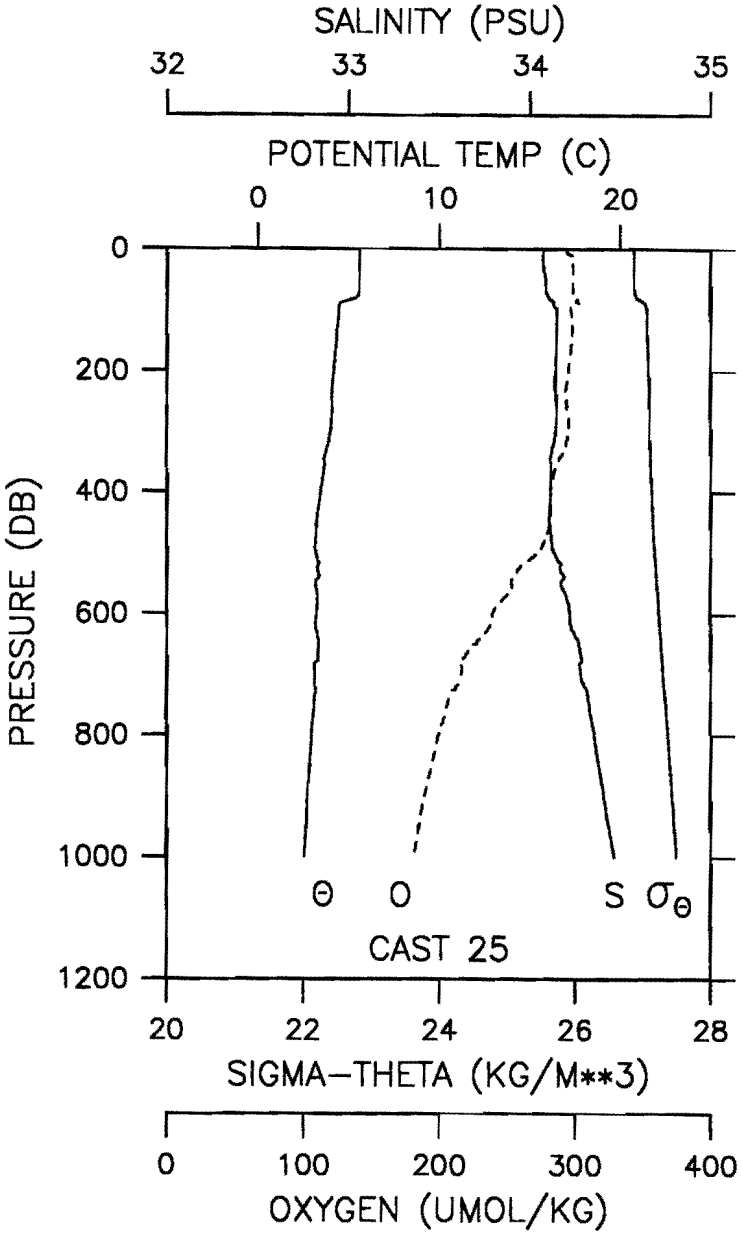
CAST CG2-94-DI -024 DATE 04 MAR 94 TIME 0550 GMT
LAT 60 00.2S LONG 103 00.0W WEATHER 2 SEA STATE 5
BAROMETER 67 WIND DIR 165 T SPD 25 KT VISIBILITY 6
CLOUD 7 AMOUNT 8 DRY 05.5 WET 05.0 DEPTH 5100 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	5.656	34.076	294.3	26.865	0.000
10	5.654	34.098	298.6	26.883	0.012
20	5.654	34.098	298.5	26.883	0.023
30	5.654	34.098	298.5	26.883	0.035
40	5.652	34.098	298.7	26.883	0.047
50	5.641	34.101	298.6	26.887	0.058
60	5.638	34.101	298.5	26.887	0.070
70	5.632	34.101	298.3	26.888	0.081
80	5.604	34.101	298.1	26.892	0.093
90	5.405	34.110	298.3	26.923	0.105
100	4.550	34.150	296.5	27.052	0.115
110	4.471	34.153	294.3	27.062	0.125
120	4.441	34.152	294.9	27.065	0.135
130	4.418	34.153	295.8	27.068	0.145
140	4.400	34.152	296.5	27.070	0.155
150	4.381	34.151	296.7	27.071	0.165
160	4.349	34.150	296.8	27.074	0.175
170	4.334	34.153	296.5	27.078	0.185
180	4.318	34.154	296.1	27.080	0.195
190	4.304	34.153	295.4	27.081	0.205
200	4.263	34.150	295.4	27.083	0.215
250	4.096	34.144	292.9	27.095	0.264
300	4.065	34.150	295.6	27.103	0.313
350	3.797	34.126	284.8	27.112	0.362
400	3.527	34.116	278.9	27.130	0.410
450	3.253	34.109	280.5	27.151	0.457
500	3.234	34.138	273.3	27.175	0.504
550	3.280	34.182	257.7	27.207	0.549
600	3.154	34.202	244.1	27.234	0.593
650	3.222	34.254	231.8	27.269	0.636
700	3.251	34.304	210.8	27.306	0.677
750	3.122	34.324	205.0	27.335	0.717
800	2.982	34.352	198.1	27.369	0.756
900	2.763	34.410	186.4	27.436	0.828
1000	2.612	34.455	179.3	27.485	0.896
1500	2.182	34.637	169.2	27.666	1.179
2000	1.835	34.715	179.0	27.756	1.409
2500	1.382	34.724	187.5	27.797	1.612
3000	1.064	34.722	194.2	27.817	1.801
3500	0.734	34.713	200.3	27.832	1.978
4000	0.393	34.706	207.2	27.847	2.141
4500	0.132	34.704	212.7	27.860	2.289
5000	0.046	34.703	216.1	27.864	2.430
5026	0.045	34.703	216.3	27.864	2.437

CAST CG2-94-DI -025 DATE 04 MAR 94 TIME 1201 GMT

LAT 59 30.3S LONG 103 01.6W



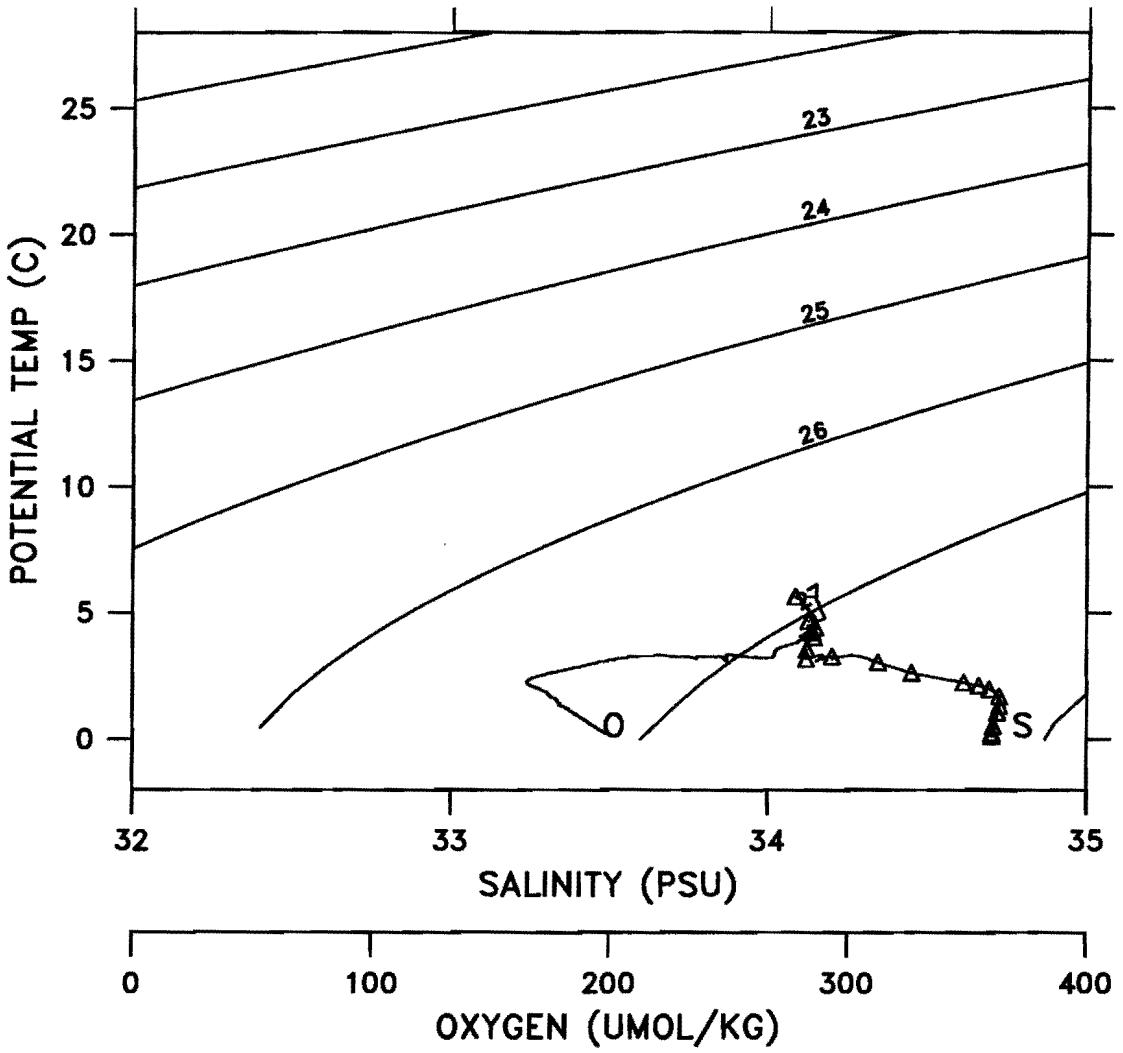


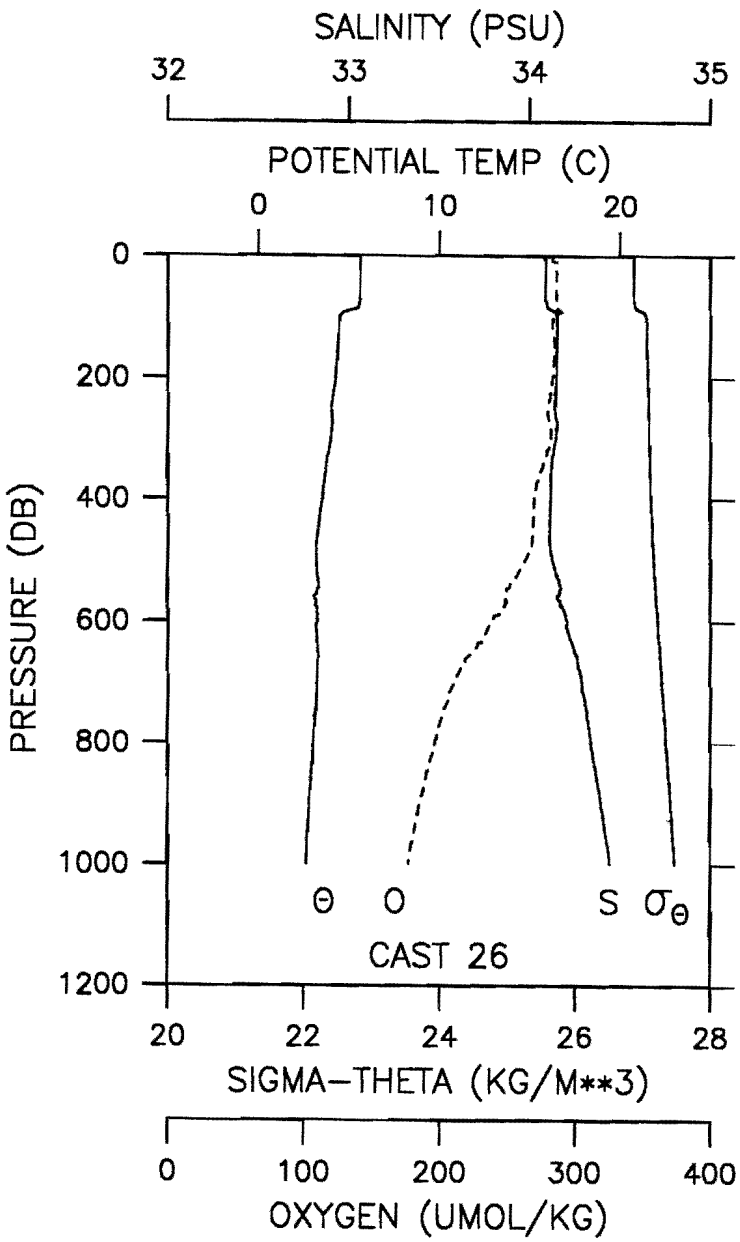
CAST CG2-94-DI -025 DATE 04 MAR 94 TIME 1201 GMT
LAT 59 30.3S LONG 103 01.6W WEATHER 2 SEA STATE 5
BAROMETER 62 WIND DIR 180 T SPD 24 KT VISIBILITY 6
CLOUD 7 AMOUNT 8 DRY 04.6 WET 04.0 DEPTH 4931 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	5.624	34.077	293.9	26.870	0.000
10	5.624	34.074	298.4	26.867	0.012
20	5.624	34.074	298.6	26.867	0.023
30	5.617	34.077	298.4	26.871	0.035
40	5.611	34.081	298.5	26.875	0.047
50	5.605	34.087	298.6	26.881	0.059
60	5.603	34.088	298.5	26.881	0.070
70	5.597	34.089	298.4	26.883	0.082
80	5.439	34.105	298.6	26.914	0.094
90	4.511	34.133	300.2	27.043	0.104
100	4.463	34.150	297.1	27.061	0.114
110	4.449	34.151	297.7	27.064	0.124
120	4.418	34.149	298.4	27.066	0.134
130	4.384	34.148	298.4	27.068	0.144
140	4.358	34.147	298.1	27.070	0.154
150	4.330	34.147	297.6	27.073	0.164
160	4.301	34.148	297.1	27.077	0.174
170	4.274	34.147	296.7	27.079	0.184
180	4.248	34.146	296.1	27.081	0.194
190	4.213	34.144	295.7	27.083	0.204
200	4.193	34.143	295.2	27.085	0.214
250	4.078	34.146	293.7	27.099	0.263
300	3.989	34.143	295.6	27.105	0.312
350	3.656	34.115	287.1	27.117	0.360
400	3.457	34.115	282.3	27.136	0.408
450	3.237	34.109	282.1	27.152	0.455
500	3.207	34.137	273.0	27.178	0.502
550	3.195	34.173	253.0	27.207	0.547
600	3.243	34.220	239.2	27.240	0.591
650	3.345	34.271	224.4	27.271	0.634
700	3.147	34.284	216.1	27.300	0.675
750	3.100	34.329	205.8	27.340	0.715
800	2.968	34.358	199.5	27.375	0.753
900	2.754	34.410	189.1	27.436	0.825
1000	2.585	34.467	181.2	27.497	0.892
1500	2.171	34.642	172.6	27.671	1.172
2000	1.821	34.717	182.5	27.759	1.401
2500	1.386	34.725	189.5	27.798	1.603
3000	1.045	34.721	196.5	27.818	1.791
3500	0.709	34.712	202.9	27.833	1.967
4000	0.354	34.705	209.5	27.849	2.129
4500	0.159	34.703	215.2	27.858	2.277
4648	0.130	34.703	216.6	27.860	2.319

CAST CG2-94-DI -026 DATE 04 MAR 94 TIME 2008 GMT

LAT 59 00.0S LONG 103 00.9W



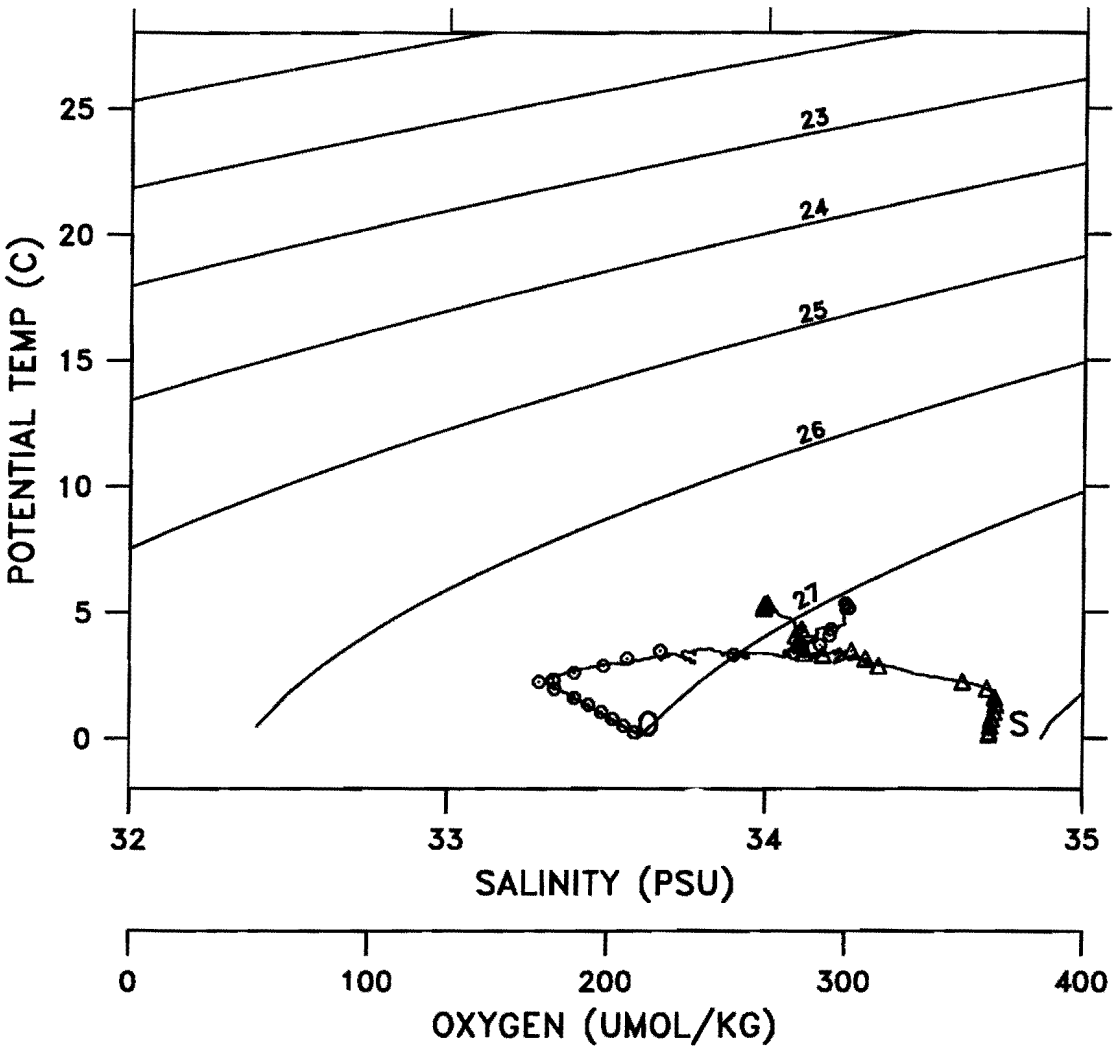


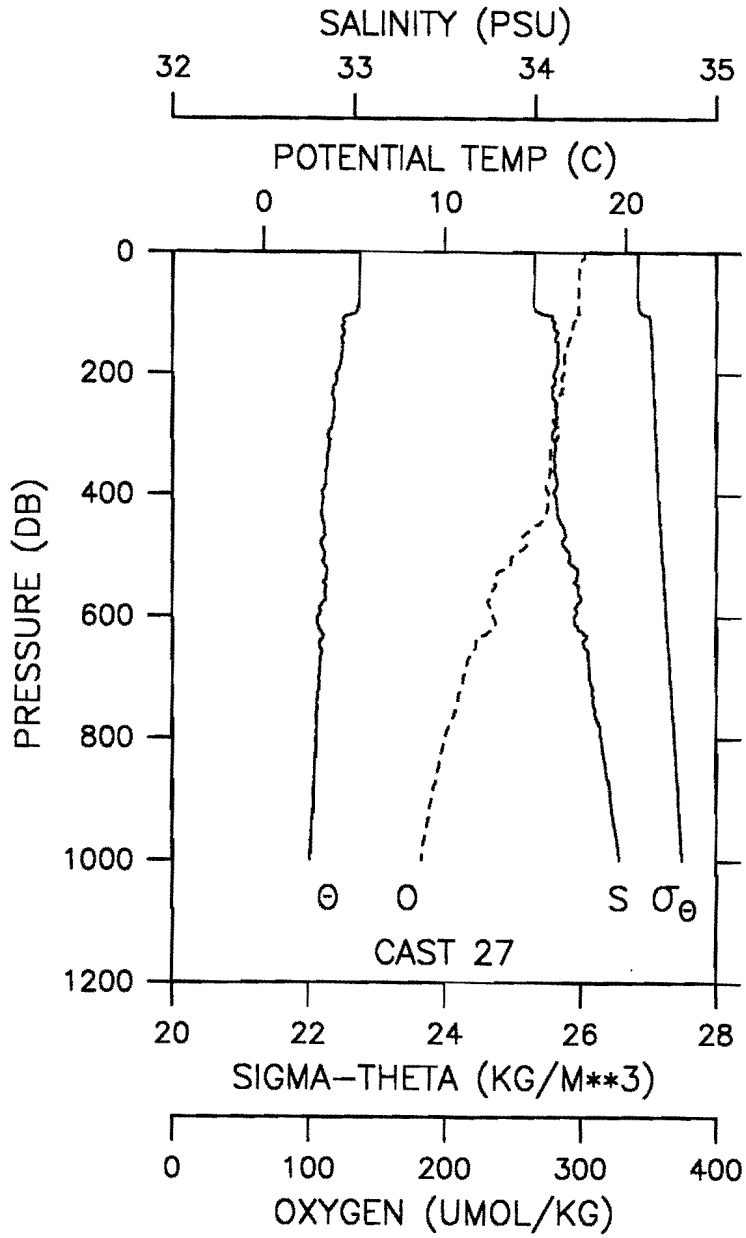
CAST CG2-94-DI -026 DATE 04 MAR 94 TIME 2008 GMT
LAT 59 00.0S LONG 103 00.9W WEATHER 5 SEA STATE 7
BAROMETER 59 WIND DIR 220 T SPD 35 KT VISIBILITY 6
CLOUD 7 AMOUNT 8 DRY 04.7 WET 04.0 DEPTH 4700 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	5.643	34.085	283.5	26.874	0.000
10	5.641	34.089	287.2	26.877	0.012
20	5.640	34.089	286.7	26.877	0.023
30	5.640	34.089	286.6	26.877	0.035
40	5.640	34.089	286.6	26.877	0.047
50	5.639	34.089	286.6	26.878	0.058
60	5.639	34.089	286.6	26.877	0.070
70	5.636	34.089	286.5	26.878	0.082
80	5.576	34.096	286.6	26.891	0.094
90	5.069	34.129	289.0	26.977	0.105
100	4.502	34.152	285.0	27.059	0.115
110	4.464	34.153	283.6	27.064	0.125
120	4.459	34.154	283.7	27.065	0.135
130	4.438	34.153	284.2	27.066	0.145
140	4.419	34.152	285.0	27.068	0.155
150	4.400	34.152	285.2	27.069	0.165
160	4.359	34.150	285.1	27.073	0.175
170	4.344	34.151	284.7	27.075	0.185
180	4.312	34.151	284.3	27.078	0.195
190	4.295	34.151	284.1	27.080	0.205
200	4.276	34.150	283.5	27.082	0.215
250	4.052	34.138	280.4	27.096	0.264
300	4.012	34.145	282.4	27.105	0.313
350	3.728	34.121	276.0	27.114	0.362
400	3.540	34.116	270.1	27.129	0.410
450	3.304	34.113	269.5	27.149	0.457
500	3.214	34.127	263.3	27.169	0.504
550	3.236	34.164	249.6	27.196	0.550
600	3.261	34.207	239.5	27.228	0.594
650	3.298	34.252	223.8	27.260	0.638
700	3.264	34.290	210.5	27.294	0.679
750	3.170	34.317	203.0	27.325	0.720
800	3.061	34.339	196.7	27.352	0.759
900	2.828	34.395	185.2	27.417	0.833
1000	2.637	34.444	176.9	27.474	0.902
1500	2.191	34.635	165.8	27.664	1.188
2000	1.837	34.716	174.0	27.757	1.418
2500	1.403	34.727	179.1	27.798	1.622
3000	1.049	34.721	184.8	27.818	1.810
3500	0.719	34.713	190.4	27.833	1.986
4000	0.349	34.706	196.1	27.849	2.148
4500	0.143	34.704	200.8	27.860	2.295
4691	0.107	34.704	201.8	27.862	2.349

CAST CG2-94-DI -027 DATE 05 MAR 94 TIME 1344 GMT

LAT 58 30.3S LONG 102 59.7W



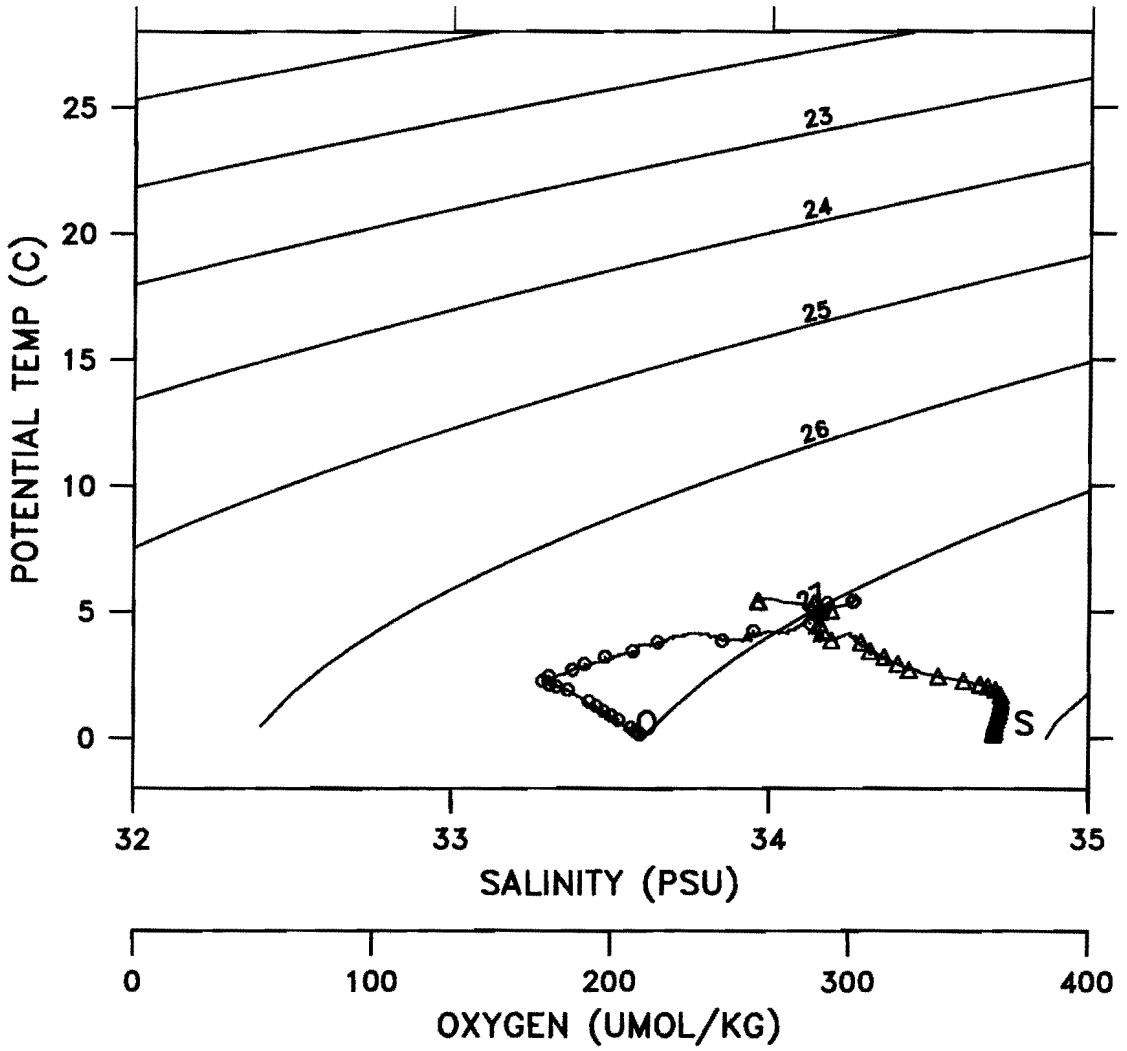


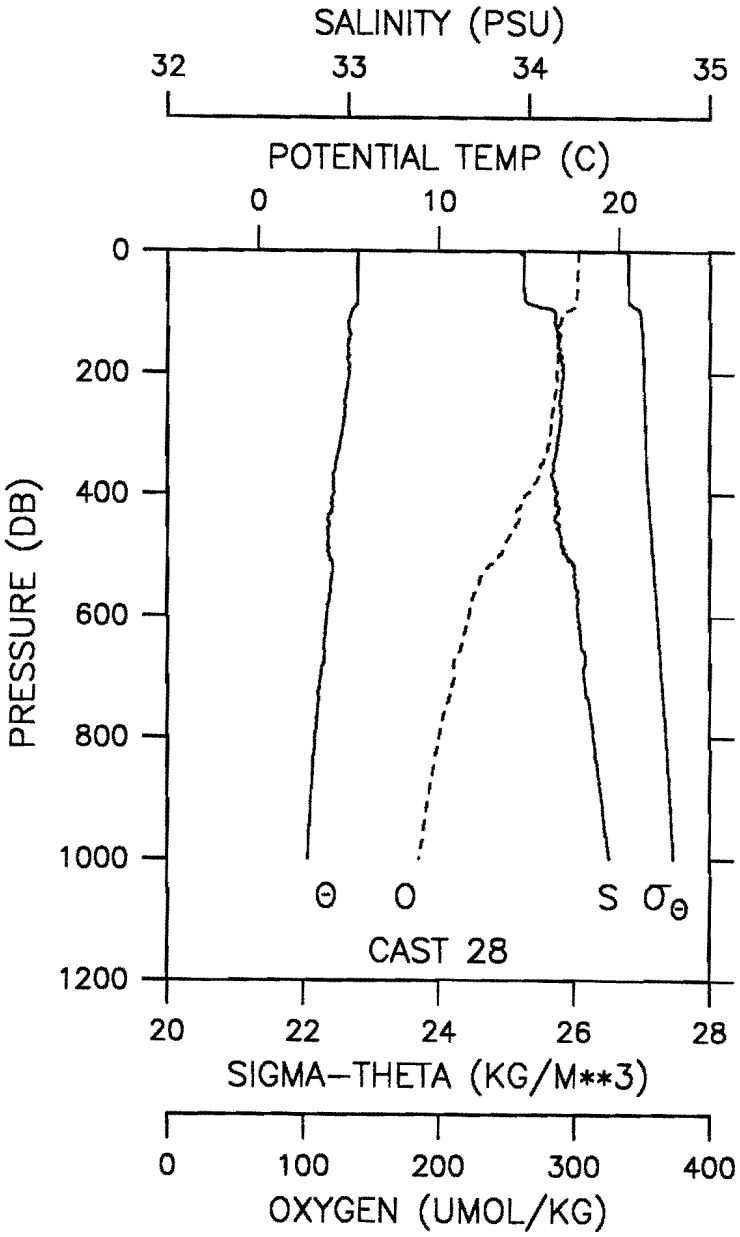
CAST CG2-94-DI -027 DATE 05 MAR 94 TIME 1344 GMT
LAT 58 30.3S LONG 102 59.7W WEATHER 2 SEA STATE 5
BAROMETER 44 WIND DIR 160 T SPD 25 KT VISIBILITY 7
CLOUD 7 AMOUNT 8 DRY 05.9 WET 05.0 DEPTH 4796 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	5.292	33.999	302.5	26.848	0.000
10	5.292	33.995	302.5	26.845	0.012
20	5.291	33.995	299.9	26.845	0.024
30	5.290	33.995	299.3	26.845	0.036
40	5.290	33.994	298.9	26.844	0.048
50	5.291	33.994	298.7	26.844	0.060
60	5.290	33.994	298.5	26.844	0.072
70	5.282	33.993	298.5	26.845	0.084
80	5.255	33.993	298.4	26.848	0.096
90	5.217	33.994	298.4	26.853	0.108
100	5.097	34.026	298.3	26.892	0.120
110	4.403	34.093	297.3	27.022	0.131
120	4.387	34.104	294.5	27.033	0.141
130	4.448	34.122	292.9	27.041	0.151
140	4.326	34.112	292.2	27.046	0.161
150	4.376	34.125	290.6	27.051	0.172
160	4.343	34.125	289.2	27.054	0.182
170	4.304	34.123	288.3	27.057	0.192
180	4.274	34.122	288.1	27.060	0.202
190	4.198	34.116	288.2	27.063	0.212
200	4.037	34.103	288.0	27.069	0.222
250	3.903	34.111	282.6	27.089	0.272
300	3.600	34.095	283.9	27.106	0.321
350	3.519	34.108	277.8	27.124	0.369
400	3.259	34.106	276.4	27.148	0.416
450	3.349	34.151	267.2	27.175	0.463
500	3.380	34.190	250.2	27.203	0.508
550	3.445	34.236	237.3	27.234	0.552
600	3.009	34.216	235.5	27.259	0.595
650	3.120	34.271	222.8	27.292	0.637
700	3.074	34.299	213.6	27.319	0.677
750	2.967	34.326	208.4	27.350	0.716
800	2.918	34.363	200.2	27.384	0.754
900	2.757	34.414	190.0	27.439	0.825
1000	2.572	34.462	182.8	27.494	0.892
1500	2.153	34.649	175.2	27.678	1.170
2000	1.799	34.717	182.8	27.761	1.396
2500	1.383	34.727	190.5	27.799	1.598
3000	1.046	34.721	196.6	27.818	1.786
3500	0.698	34.712	202.8	27.834	1.962
4000	0.339	34.705	209.8	27.850	2.123
4500	0.143	34.704	215.5	27.859	2.269
4832	0.126	34.704	217.4	27.861	2.364

CAST CG2-94-DI -028 DATE 05 MAR 94 TIME 2126 GMT

LAT 57 49.6S LONG 102 59.4W



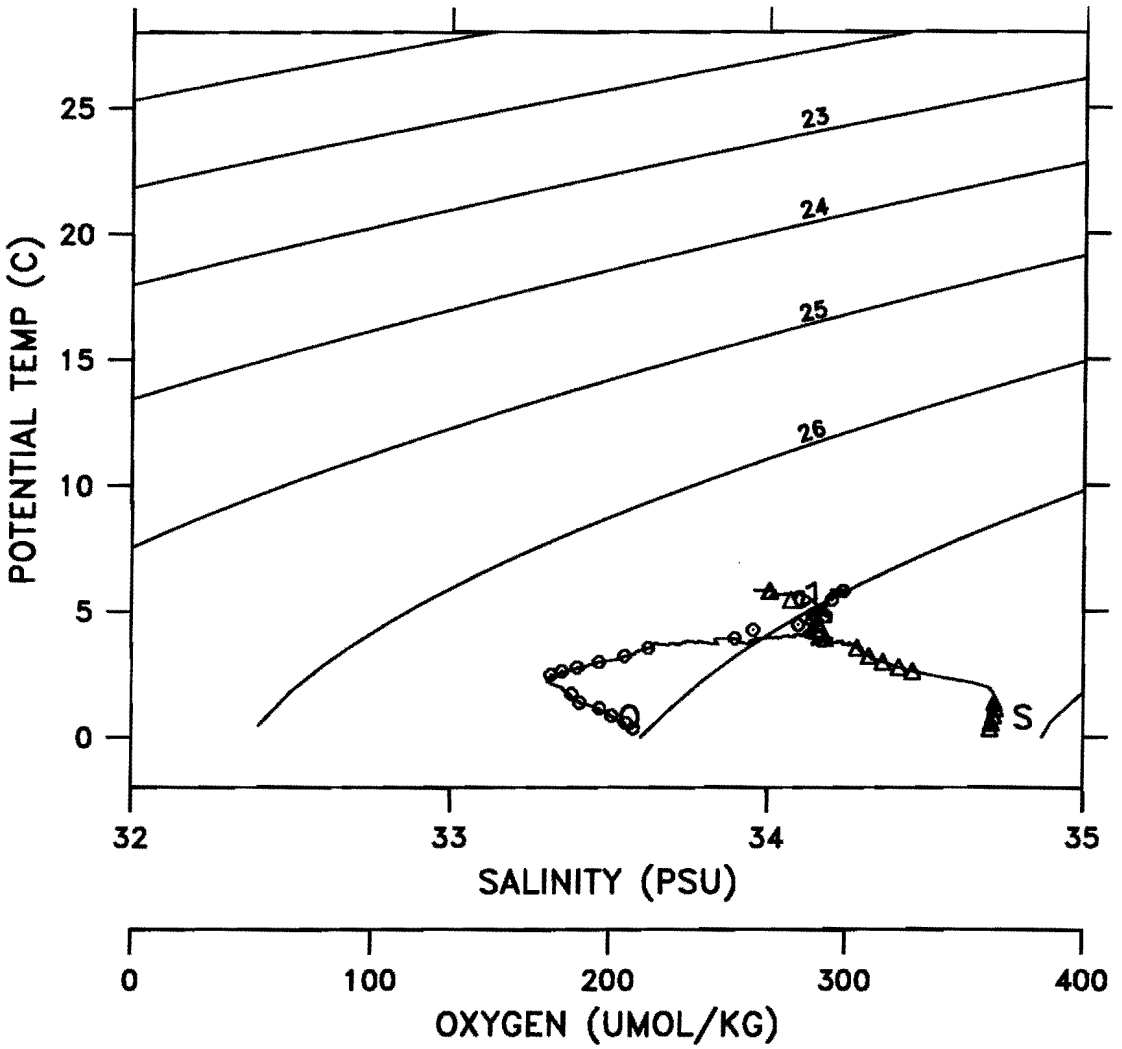


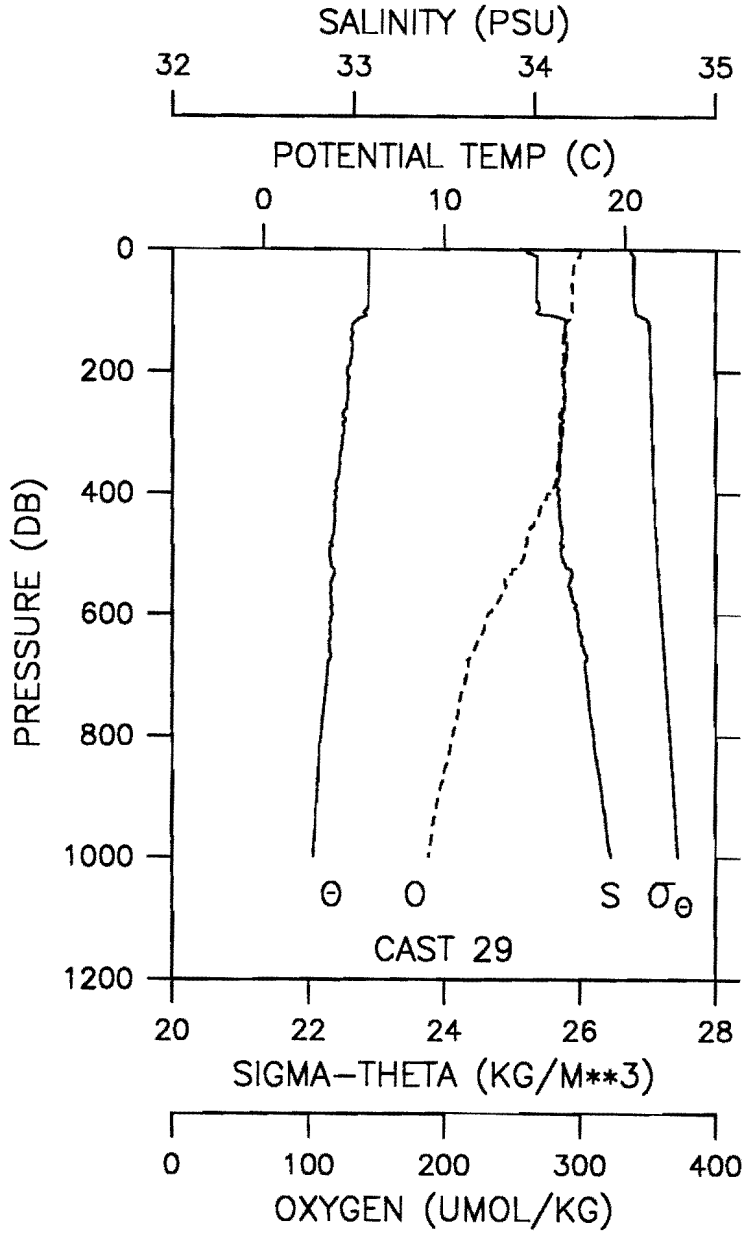
CAST CG2-94-DI -028 DATE 05 MAR 94 TIME 2126 GMT
LAT 57 49.6S LONG 102 59.4W WEATHER 1 SEA STATE 5
BAROMETER 71 WIND DIR 190 T SPD 30 KT VISIBILITY 7
CLOUD 6 AMOUNT 5 DRY 6.0 WET 5.0 DEPTH 4700 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	5.522	33.955	303.2	26.786	0.000
10	5.490	33.970	303.2	26.801	0.012
20	5.486	33.970	302.8	26.802	0.025
30	5.485	33.970	302.9	26.802	0.037
40	5.486	33.970	302.7	26.802	0.050
50	5.483	33.971	302.5	26.803	0.062
60	5.483	33.972	302.4	26.804	0.074
70	5.496	33.977	302.3	26.806	0.087
80	5.499	33.978	301.9	26.807	0.099
90	5.382	34.044	301.6	26.873	0.111
100	5.175	34.144	294.2	26.976	0.123
110	5.066	34.145	290.8	26.990	0.133
120	5.023	34.147	289.1	26.997	0.144
130	5.033	34.157	287.8	27.003	0.155
140	5.082	34.172	287.8	27.009	0.165
150	5.013	34.166	288.1	27.013	0.176
160	4.992	34.170	288.3	27.018	0.186
170	5.002	34.174	288.0	27.021	0.197
180	4.982	34.177	287.9	27.025	0.207
190	5.028	34.186	287.3	27.027	0.218
200	5.033	34.189	286.8	27.029	0.228
250	4.783	34.169	284.9	27.041	0.280
300	4.631	34.164	282.3	27.054	0.332
350	4.291	34.136	276.0	27.069	0.383
400	4.175	34.153	265.1	27.094	0.434
450	3.953	34.166	257.2	27.128	0.483
500	3.911	34.204	244.5	27.162	0.530
550	4.014	34.257	229.3	27.193	0.577
600	3.805	34.273	222.3	27.227	0.622
650	3.658	34.290	216.4	27.256	0.666
700	3.463	34.307	211.4	27.288	0.708
750	3.321	34.338	205.0	27.327	0.749
800	3.148	34.356	200.3	27.358	0.788
900	2.933	34.400	192.2	27.413	0.862
1000	2.764	34.444	185.6	27.462	0.932
1500	2.167	34.643	174.7	27.673	1.220
2000	1.933	34.706	180.9	27.741	1.455
2500	1.487	34.727	188.9	27.792	1.666
3000	1.073	34.722	194.9	27.817	1.858
3500	0.730	34.713	200.7	27.832	2.036
4000	0.406	34.707	207.0	27.847	2.201
4500	0.188	34.704	212.7	27.857	2.350
4738	0.152	34.704	215.0	27.859	2.420

CAST CG2-94-DI -029 DATE 06 MAR 94 TIME 0612 GMT

LAT 57 10.3S LONG 103 00.1W



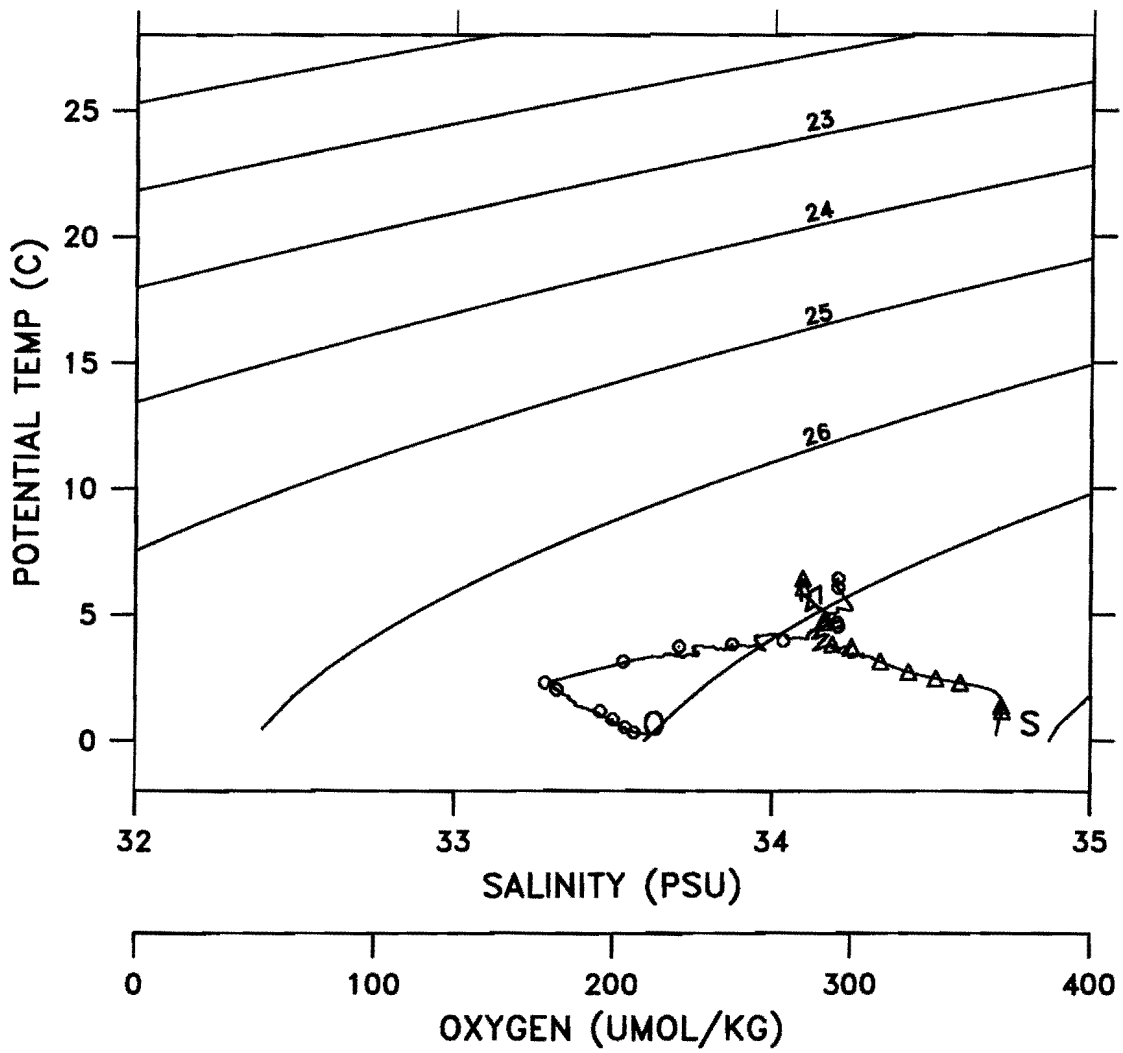


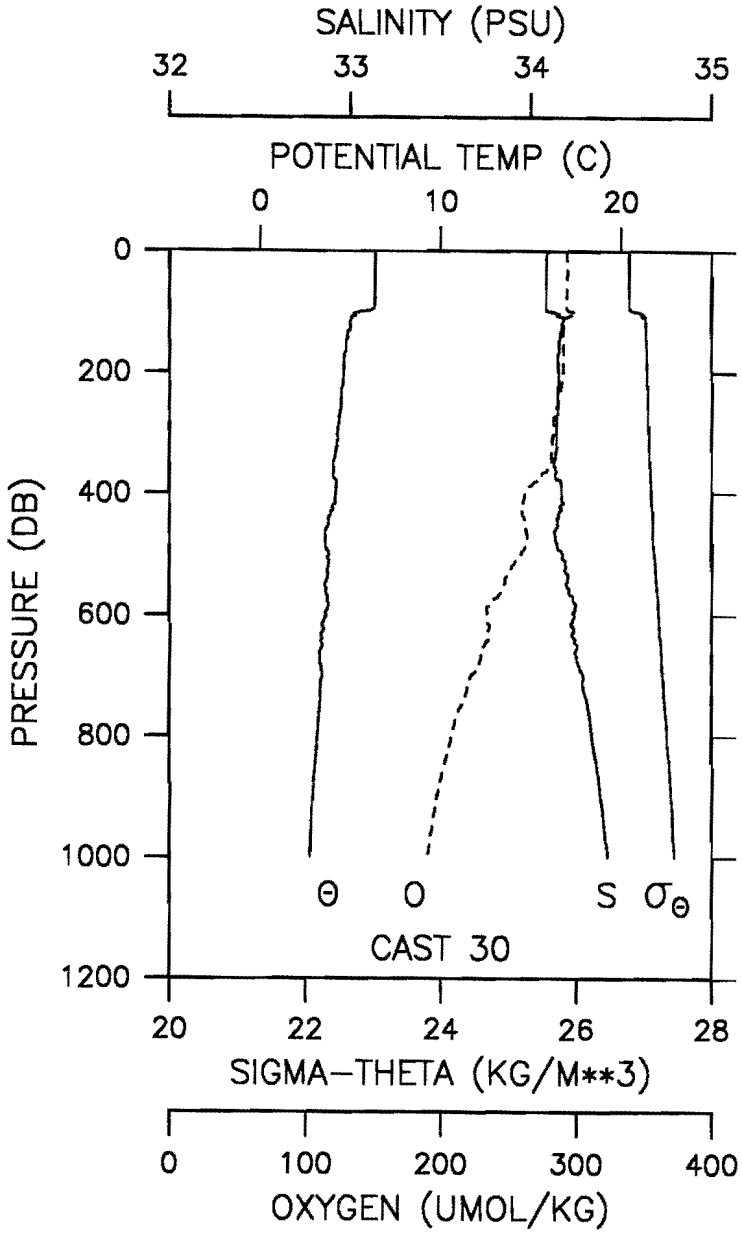
CAST CG2-94-DI -029 DATE 06 MAR 94 TIME 0612 GMT
LAT 57 10.3S LONG 103 00.1W WEATHER 6 SEA STATE 7
BAROMETER 80 WIND DIR 185 T SPD 35 KT VISIBILITY 6
CLOUD 6 AMOUNT 6 DRY 05.3 WET 04.3 DEPTH 4100 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	5.825	33.960	300.5	26.753	0.000
10	5.825	34.010	300.5	26.793	0.013
20	5.824	34.012	295.6	26.794	0.025
30	5.824	34.012	295.3	26.794	0.038
40	5.823	34.012	294.9	26.794	0.050
50	5.823	34.012	293.9	26.794	0.063
60	5.822	34.012	294.0	26.794	0.075
70	5.822	34.011	294.2	26.794	0.088
80	5.822	34.012	294.1	26.795	0.100
90	5.820	34.023	294.1	26.803	0.113
100	5.638	34.015	294.5	26.820	0.125
110	5.565	34.127	292.6	26.917	0.137
120	5.013	34.172	289.1	27.018	0.148
130	4.898	34.165	288.6	27.025	0.158
140	4.915	34.171	287.8	27.028	0.169
150	4.864	34.167	287.7	27.030	0.179
160	4.912	34.178	287.4	27.033	0.189
170	4.887	34.176	287.9	27.035	0.200
180	4.847	34.173	287.9	27.037	0.210
190	4.767	34.164	288.4	27.039	0.220
200	4.649	34.151	288.8	27.042	0.231
250	4.625	34.163	287.4	27.054	0.282
300	4.456	34.155	285.1	27.066	0.333
350	4.226	34.138	283.8	27.077	0.384
400	3.972	34.125	277.5	27.093	0.434
450	3.933	34.144	266.3	27.112	0.483
500	3.678	34.148	259.3	27.141	0.532
550	3.714	34.190	245.0	27.171	0.579
600	3.807	34.239	232.4	27.201	0.625
650	3.654	34.261	224.0	27.233	0.670
700	3.534	34.285	216.7	27.265	0.713
750	3.355	34.302	211.3	27.295	0.756
800	3.191	34.325	206.3	27.329	0.796
900	2.960	34.373	195.5	27.389	0.873
1000	2.752	34.421	188.3	27.445	0.945
1500	2.237	34.618	174.1	27.646	1.244
2000	1.910	34.705	181.2	27.743	1.484
2500	1.462	34.719	186.3	27.788	1.695
3000	1.156	34.723	194.8	27.813	1.891
3500	0.801	34.715	201.5	27.830	2.073
4000	0.417	34.708	207.9	27.847	2.239
4157	0.348	34.707	208.4	27.850	2.288

CAST CG2-94-DI -030 DATE 07 MAR 94 TIME 1808 GMT

LAT 56 31.5S LONG 103 04.9W



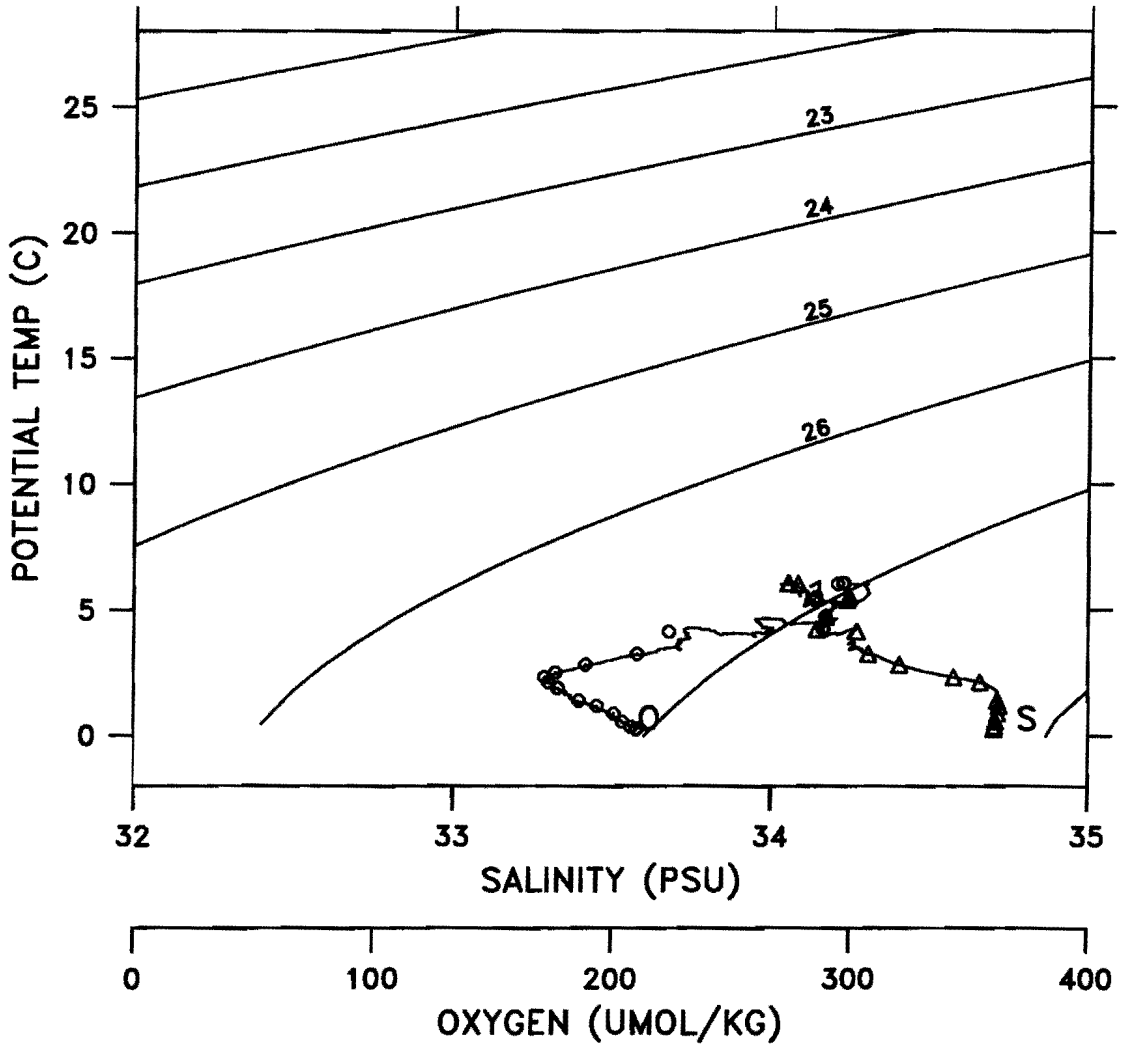


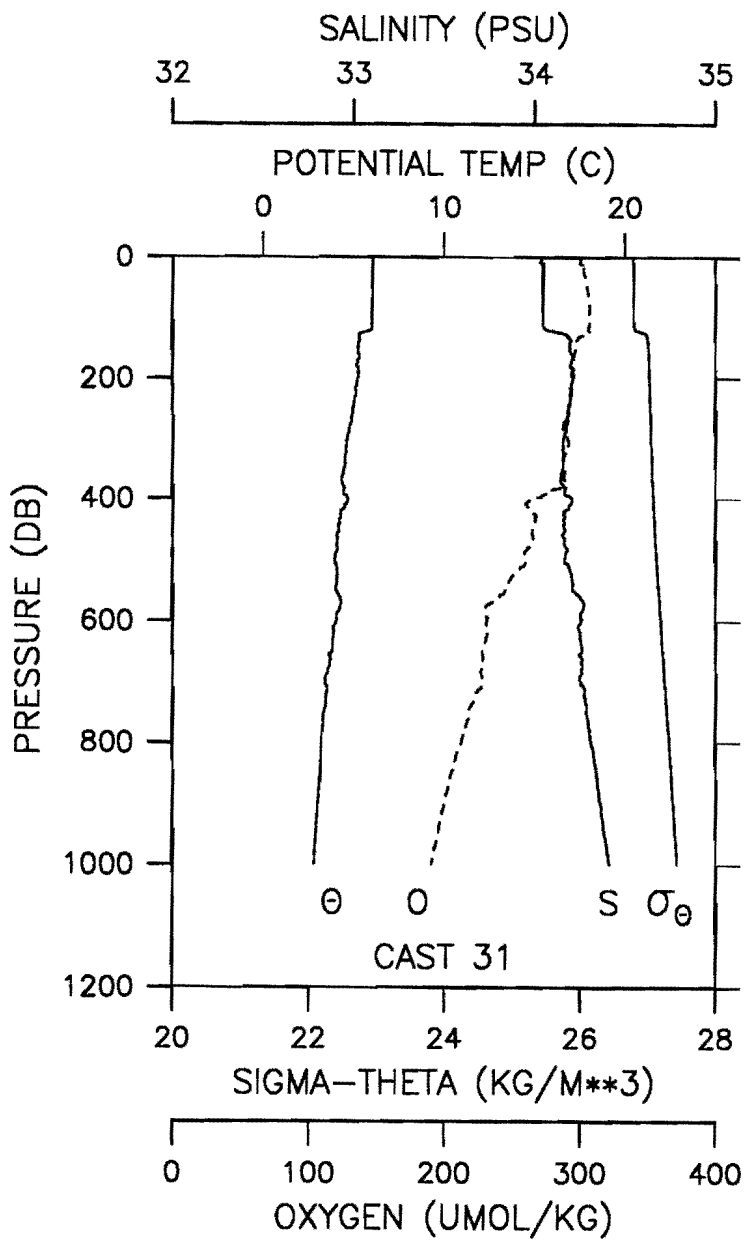
CAST CG2-94-DI -030 DATE 07 MAR 94 TIME 1808 GMT
LAT 56 31.5S LONG 103 04.9W WEATHER 2 SEA STATE 7
BAROMETER 02 WIND DIR 220 T SPD 30 KT VISIBILITY 7
CLOUD 7 AMOUNT 8 DRY 06.2 WET 05.4 DEPTH 4900 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	6.378	34.094	293.3	26.788	0.000
10	6.369	34.085	293.4	26.782	0.013
20	6.369	34.085	293.9	26.783	0.025
30	6.369	34.085	293.9	26.783	0.038
40	6.364	34.085	293.8	26.783	0.050
50	6.366	34.085	293.7	26.783	0.063
60	6.364	34.085	293.5	26.783	0.075
70	6.345	34.085	293.4	26.785	0.088
80	6.351	34.085	293.1	26.784	0.101
90	6.320	34.084	292.9	26.788	0.113
100	5.516	34.126	298.4	26.922	0.126
110	5.045	34.180	291.7	27.020	0.137
120	4.945	34.171	290.3	27.024	0.147
130	4.984	34.179	289.6	27.026	0.157
140	4.831	34.162	290.5	27.030	0.168
150	4.731	34.153	290.8	27.035	0.178
160	4.735	34.154	290.4	27.035	0.188
170	4.645	34.149	290.8	27.040	0.199
180	4.625	34.148	290.4	27.042	0.209
190	4.615	34.149	290.5	27.044	0.219
200	4.607	34.151	290.4	27.047	0.229
250	4.475	34.150	286.6	27.060	0.281
300	4.277	34.140	283.0	27.073	0.331
350	4.041	34.127	281.8	27.088	0.381
400	4.163	34.168	262.3	27.108	0.431
450	3.759	34.147	262.1	27.132	0.480
500	3.783	34.176	259.1	27.153	0.527
550	3.594	34.197	246.7	27.188	0.574
600	3.652	34.242	233.6	27.219	0.619
650	3.439	34.257	232.3	27.251	0.663
700	3.427	34.288	222.4	27.277	0.706
750	3.307	34.315	214.9	27.310	0.747
800	3.169	34.335	207.9	27.339	0.787
900	2.918	34.384	197.2	27.401	0.863
1000	2.752	34.424	190.5	27.448	0.934
1500	2.226	34.621	173.2	27.650	1.230
2000	1.889	34.705	178.5	27.744	1.468
2500	1.440	34.719	184.3	27.789	1.677
3000	1.161	34.722	192.6	27.811	1.873
3500	0.768	34.714	199.6	27.831	2.056
4000	0.374	34.707	207.7	27.849	2.219
4500	0.249	34.706	214.3	27.855	2.372
4668	0.246	34.706	217.1	27.855	2.423

CAST CG2-94-DI -031 DATE 08 MAR 94 TIME 0124 GMT

LAT 55 50.2S LONG 102 59.9W



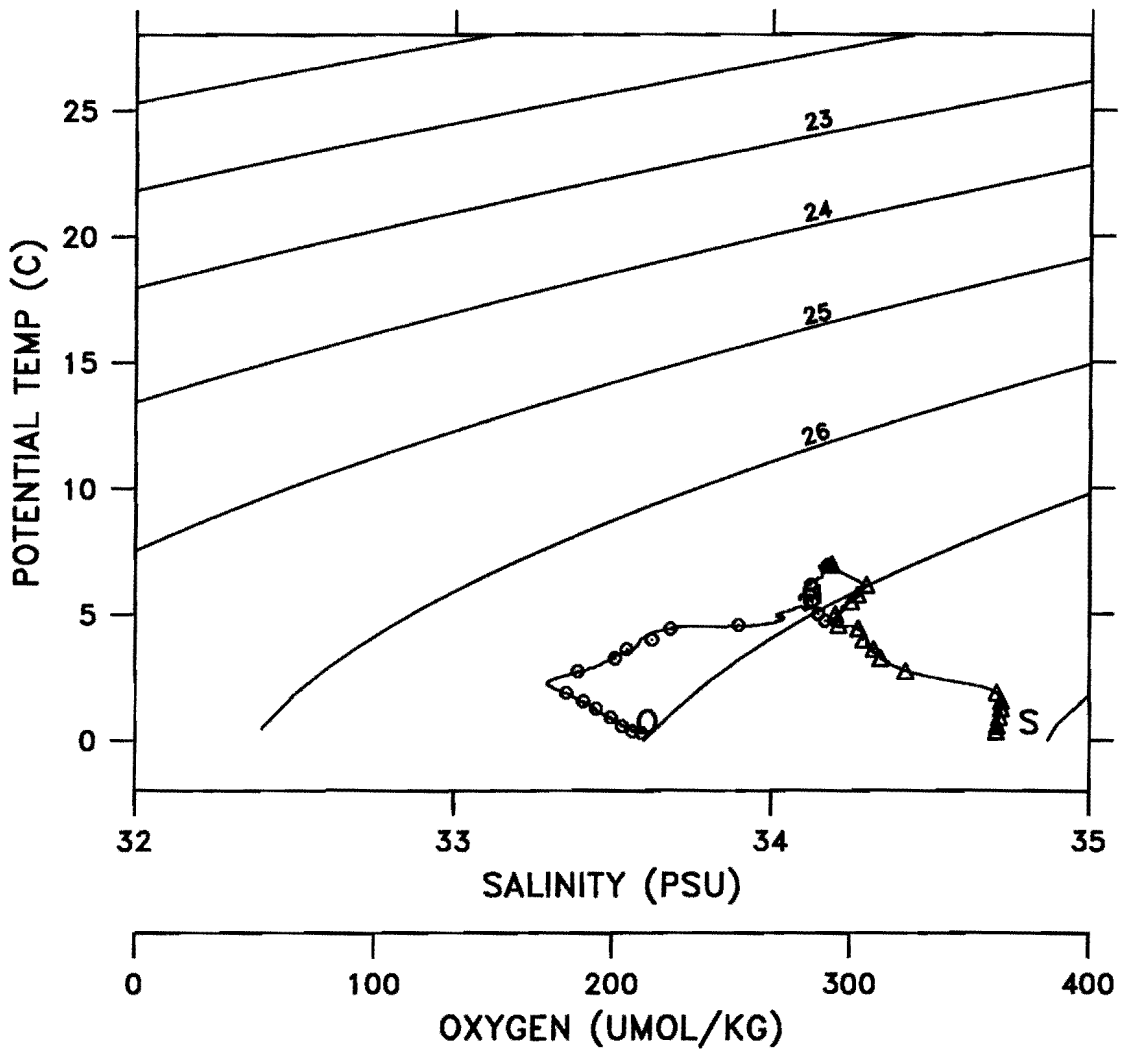


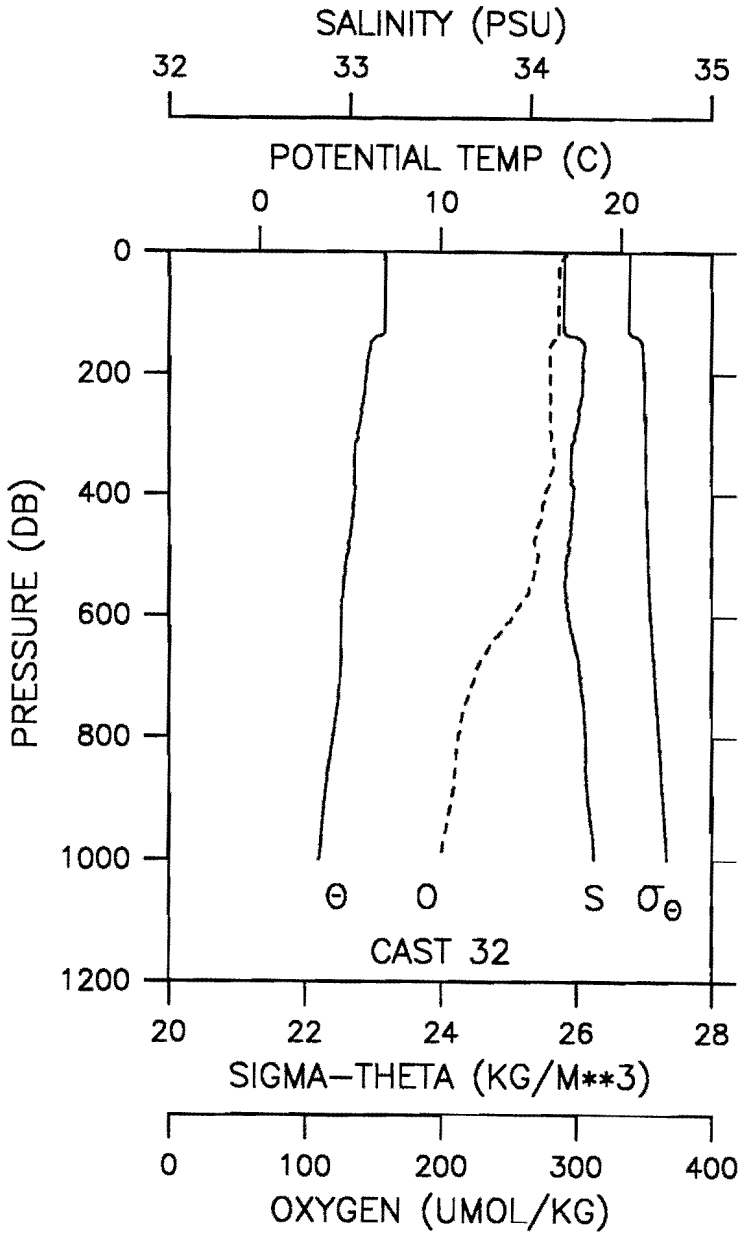
CAST CG2-94-DI -031 DATE 08 MAR 94 TIME 0124 GMT
LAT 55 50.2S LONG 102 59.9W WEATHER 2 SEA STATE 5
BAROMETER 06 WIND DIR 215 T SPD 23 KT VISIBILITY 7
CLOUD 7 AMOUNT 7 DRY 06.5 WET 05.4 DEPTH 4662 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	6.018	34.040	300.6	26.792	0.000
10	6.012	34.045	300.6	26.797	0.012
20	6.014	34.046	302.8	26.797	0.025
30	6.014	34.045	303.7	26.797	0.037
40	6.016	34.045	304.7	26.796	0.050
50	6.016	34.045	305.7	26.796	0.062
60	6.015	34.046	306.2	26.797	0.075
70	6.010	34.046	306.8	26.797	0.087
80	6.008	34.046	307.3	26.798	0.100
90	6.008	34.046	307.0	26.798	0.112
100	6.007	34.047	307.7	26.799	0.125
110	6.004	34.048	307.1	26.800	0.137
120	5.975	34.070	306.2	26.821	0.150
130	5.315	34.183	300.9	26.991	0.161
140	5.268	34.196	297.6	27.007	0.172
150	5.237	34.195	296.6	27.010	0.182
160	5.287	34.210	295.7	27.016	0.193
170	5.218	34.203	295.6	27.019	0.203
180	5.168	34.199	295.4	27.021	0.214
190	5.253	34.215	294.1	27.024	0.224
200	5.208	34.212	293.8	27.026	0.235
250	4.952	34.189	291.7	27.038	0.287
300	4.625	34.161	291.2	27.052	0.339
350	4.474	34.157	288.4	27.066	0.390
400	4.643	34.206	266.6	27.086	0.441
450	4.189	34.167	265.7	27.104	0.491
500	3.937	34.165	260.0	27.129	0.540
550	4.020	34.212	245.1	27.157	0.588
600	4.035	34.257	231.3	27.192	0.635
650	3.802	34.262	227.8	27.220	0.681
700	3.454	34.257	228.4	27.250	0.725
750	3.352	34.286	218.6	27.282	0.768
800	3.219	34.311	212.9	27.315	0.809
900	3.014	34.363	200.4	27.375	0.887
1000	2.804	34.412	190.8	27.433	0.960
1500	2.251	34.613	172.0	27.641	1.265
2000	1.902	34.701	176.5	27.740	1.506
2500	1.454	34.715	183.5	27.785	1.717
3000	1.187	34.722	192.0	27.809	1.915
3500	0.803	34.715	199.9	27.829	2.099
4000	0.422	34.707	207.1	27.846	2.265
4500	0.302	34.706	212.3	27.853	2.420
4759	0.262	34.706	215.3	27.854	2.500

CAST CG2-94-DI -032 DATE 08 MAR 94 TIME 0815 GMT

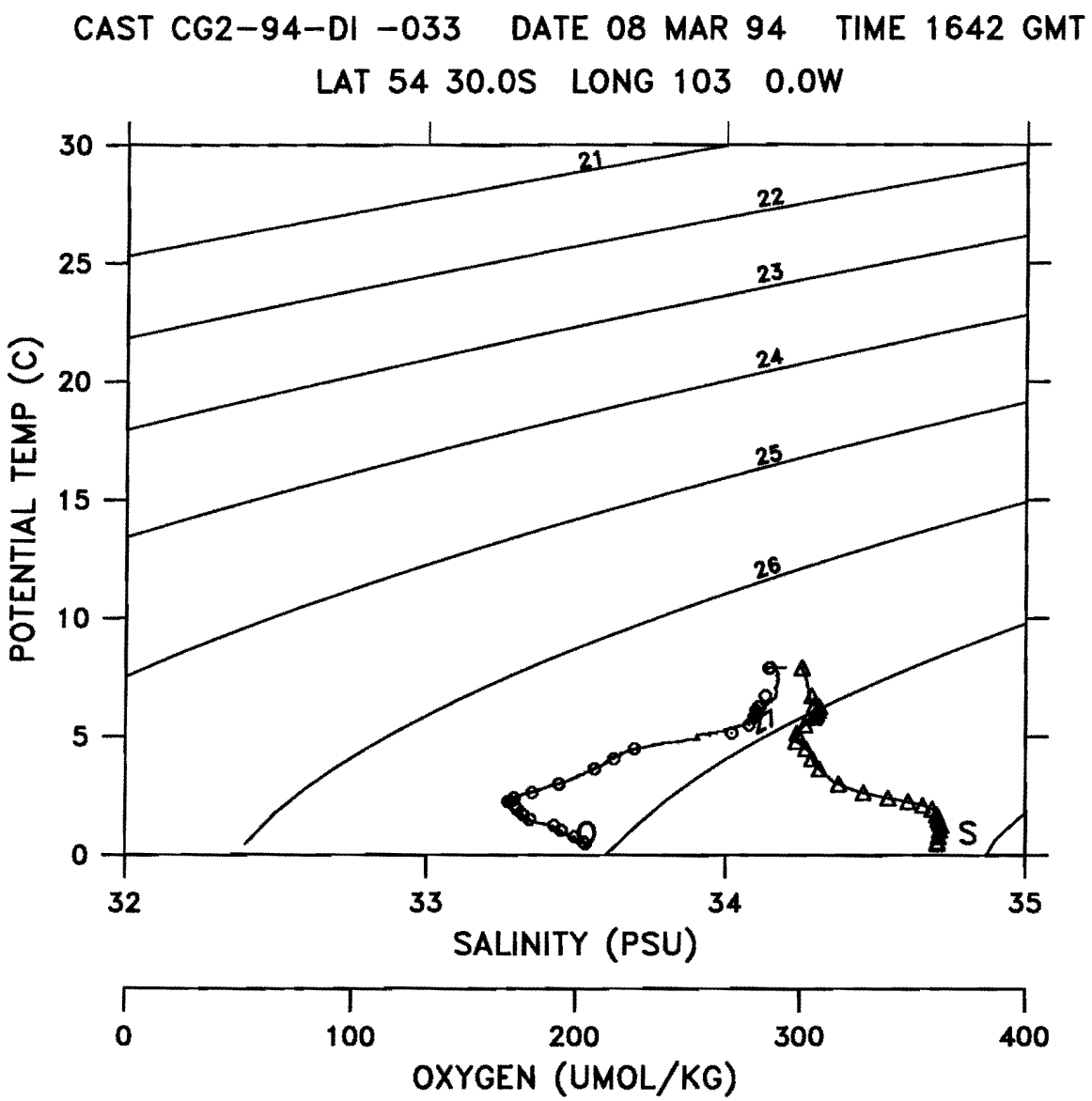
LAT 55 09.5S LONG 102 59.5W

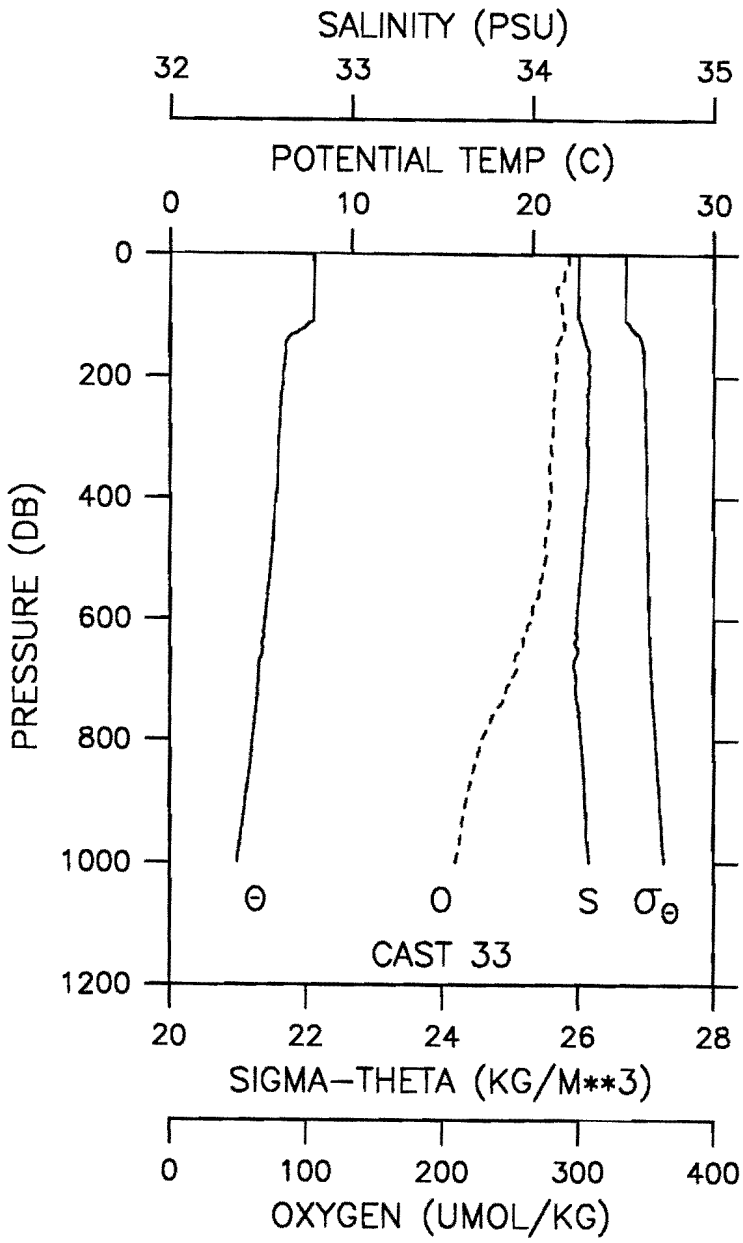




CAST CG2-94-DI -032 DATE 08 MAR 94 TIME 0815 GMT
LAT 55 09.5S LONG 102 59.5W WEATHER 2 SEA STATE 3
BAROMETER 15 WIND DIR 200 T SPD 20 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 06.0 WET 05.0 DEPTH 4523 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	6.918	34.198	292.0	26.799	0.000
10	6.915	34.184	291.5	26.788	0.012
20	6.917	34.184	287.7	26.788	0.025
30	6.917	34.184	287.5	26.788	0.037
40	6.919	34.185	287.4	26.788	0.050
50	6.919	34.184	287.6	26.788	0.063
60	6.918	34.185	287.3	26.788	0.075
70	6.919	34.184	287.2	26.787	0.088
80	6.917	34.183	287.2	26.787	0.100
90	6.916	34.183	287.2	26.787	0.113
100	6.919	34.184	287.0	26.787	0.126
110	6.921	34.184	287.2	26.787	0.138
120	6.909	34.184	287.3	26.789	0.151
130	6.890	34.186	287.0	26.792	0.164
140	6.419	34.257	286.6	26.911	0.176
150	6.140	34.294	281.8	26.977	0.187
160	6.099	34.296	280.9	26.984	0.198
170	6.015	34.290	280.7	26.990	0.209
180	5.948	34.286	280.5	26.995	0.220
190	5.907	34.288	280.9	27.002	0.230
200	5.894	34.288	280.7	27.003	0.241
250	5.688	34.273	280.9	27.017	0.294
300	5.398	34.240	281.2	27.026	0.348
350	5.245	34.223	283.7	27.031	0.401
400	5.253	34.236	277.2	27.040	0.454
450	5.082	34.223	272.0	27.050	0.507
500	4.821	34.201	272.2	27.062	0.559
550	4.617	34.188	265.9	27.075	0.611
600	4.524	34.206	252.9	27.099	0.662
650	4.513	34.244	235.8	27.131	0.713
700	4.424	34.279	225.1	27.168	0.762
750	4.285	34.291	217.3	27.192	0.810
800	4.053	34.301	212.8	27.225	0.856
900	3.597	34.312	208.0	27.280	0.945
1000	3.261	34.347	200.0	27.340	1.028
1500	2.374	34.555	174.0	27.585	1.369
2000	2.030	34.685	176.3	27.717	1.630
2500	1.643	34.724	185.4	27.778	1.855
3000	1.253	34.723	192.3	27.806	2.058
3500	0.821	34.715	200.4	27.828	2.246
4000	0.429	34.708	207.8	27.846	2.413
4500	0.295	34.705	213.5	27.852	2.568
4608	0.286	34.706	214.6	27.853	2.601


CAST CG2-94-DI -033 DATE 08 MAR 94 TIME 1642 GMT
LAT 54 30.0S LONG 103 0.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
A
L
O
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

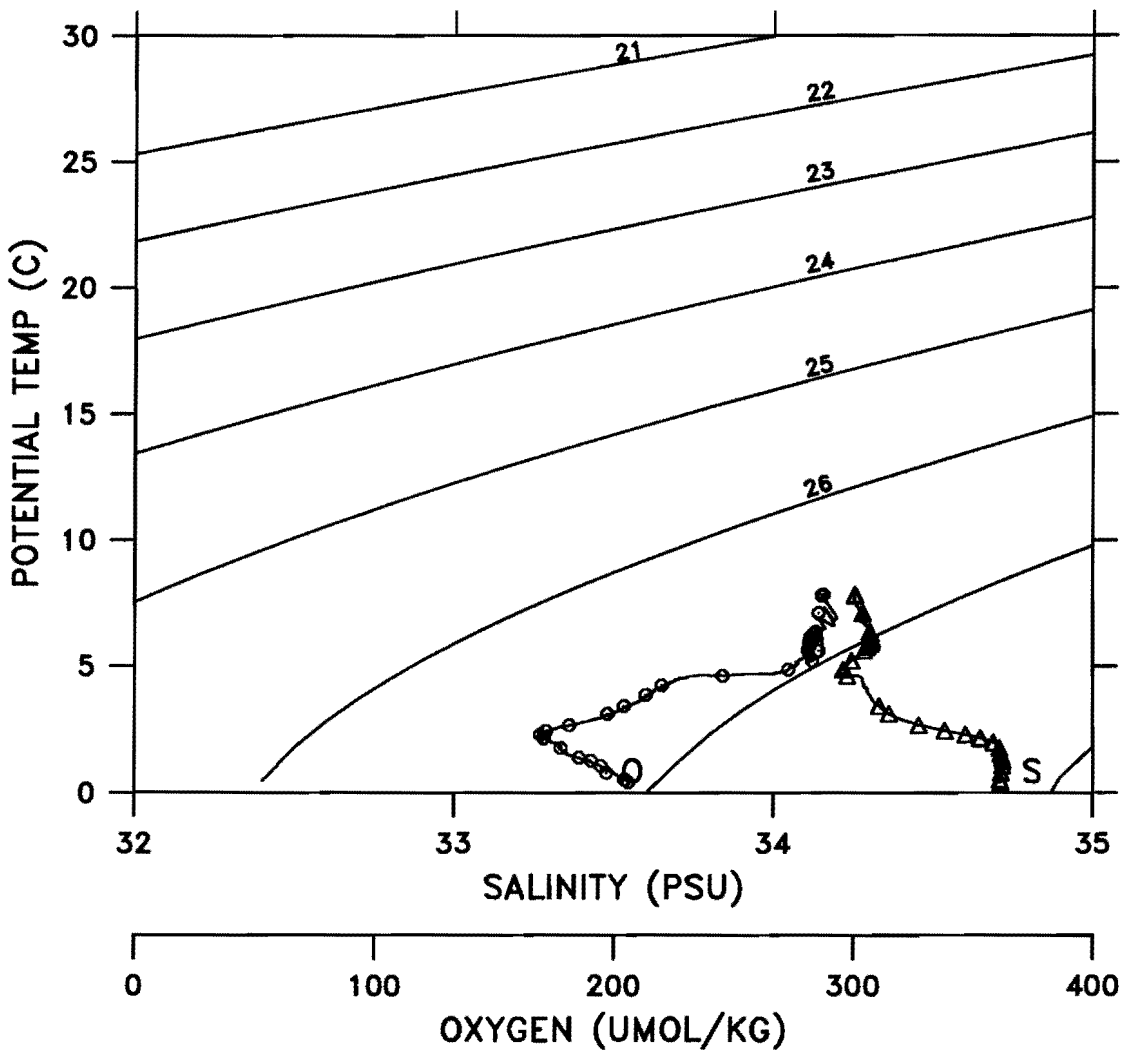


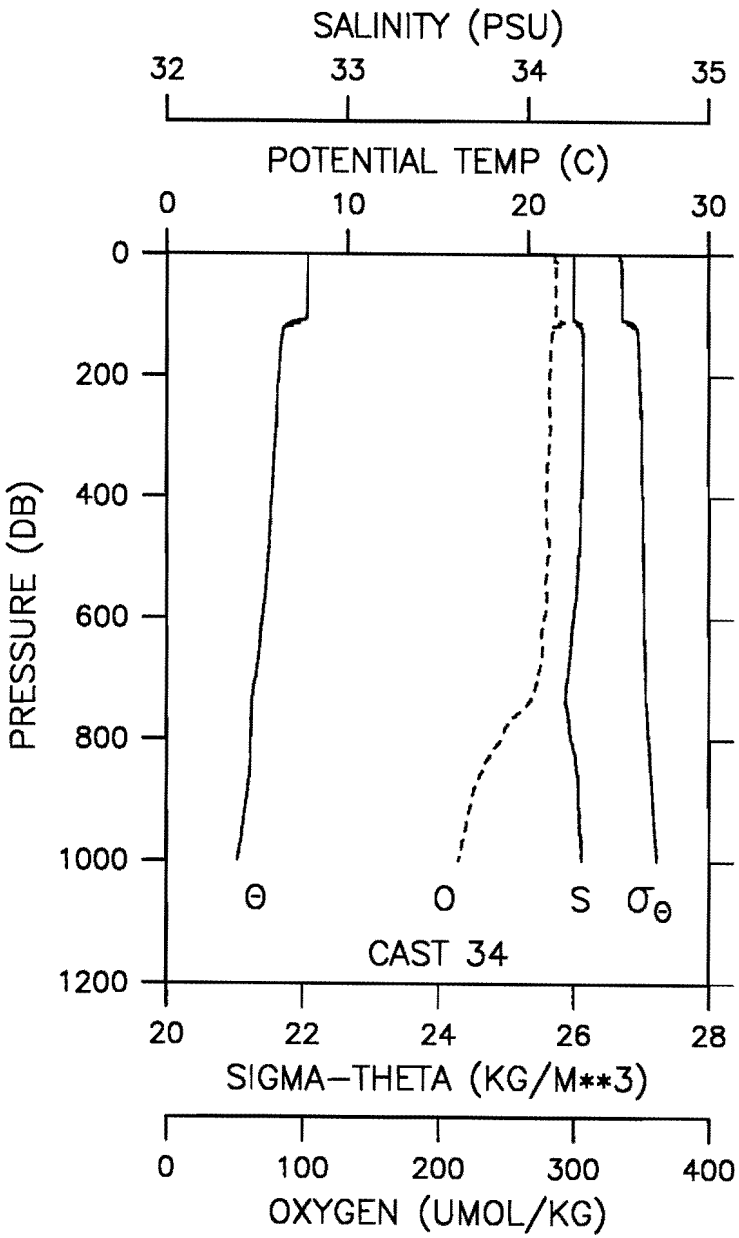
CAST CG2–94–DI –033 DATE 08 MAR 94 TIME 1642 GMT
LAT 54 30.0S LONG 103 0.0W WEATHER 2 SEA STATE 4
BAROMETER 20 WIND DIR 225 T SPD 14 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 6.6 WET 5.1 DEPTH 4100 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG–TH	DELTA–D (DYN–M)
0	7.912	34.255	293.2	26.702	0.000
10	7.913	34.255	293.2	26.702	0.013
20	7.913	34.254	290.2	26.701	0.027
30	7.914	34.254	290.0	26.701	0.040
40	7.914	34.254	289.9	26.701	0.053
50	7.914	34.254	286.7	26.701	0.067
60	7.914	34.254	284.2	26.701	0.080
70	7.913	34.254	286.4	26.701	0.094
80	7.913	34.254	287.8	26.701	0.107
90	7.913	34.254	288.4	26.701	0.121
100	7.908	34.254	288.8	26.702	0.134
110	7.818	34.257	289.1	26.717	0.147
120	7.391	34.270	290.1	26.790	0.160
130	6.742	34.281	288.9	26.888	0.173
140	6.445	34.292	285.9	26.936	0.184
150	6.350	34.300	283.9	26.955	0.195
160	6.360	34.312	283.6	26.963	0.206
170	6.308	34.309	284.3	26.967	0.218
180	6.301	34.314	284.2	26.973	0.229
190	6.236	34.308	284.4	26.976	0.240
200	6.228	34.312	283.7	26.980	0.251
250	6.064	34.305	282.5	26.995	0.305
300	5.958	34.299	281.8	27.004	0.360
350	5.934	34.304	279.3	27.011	0.414
400	5.837	34.298	278.7	27.018	0.468
450	5.699	34.283	277.8	27.024	0.522
500	5.581	34.274	276.3	27.032	0.577
550	5.422	34.258	271.4	27.038	0.631
600	5.228	34.243	266.2	27.049	0.685
650	5.101	34.248	258.4	27.068	0.738
700	4.883	34.239	250.5	27.086	0.791
750	4.736	34.251	239.9	27.111	0.843
800	4.534	34.266	229.2	27.146	0.893
900	4.144	34.287	217.7	27.204	0.990
1000	3.711	34.309	209.4	27.266	1.082
1500	2.518	34.501	175.1	27.530	1.458
2000	2.105	34.660	169.5	27.691	1.738
2500	1.713	34.706	174.4	27.759	1.975
3000	1.388	34.716	182.6	27.790	2.189
3500	1.059	34.717	191.9	27.814	2.392
4000	0.559	34.710	202.9	27.840	2.572
4151	0.495	34.709	204.8	27.843	2.622

CAST CG2-94-DI -034 DATE 08 MAR 94 TIME 2333 GMT

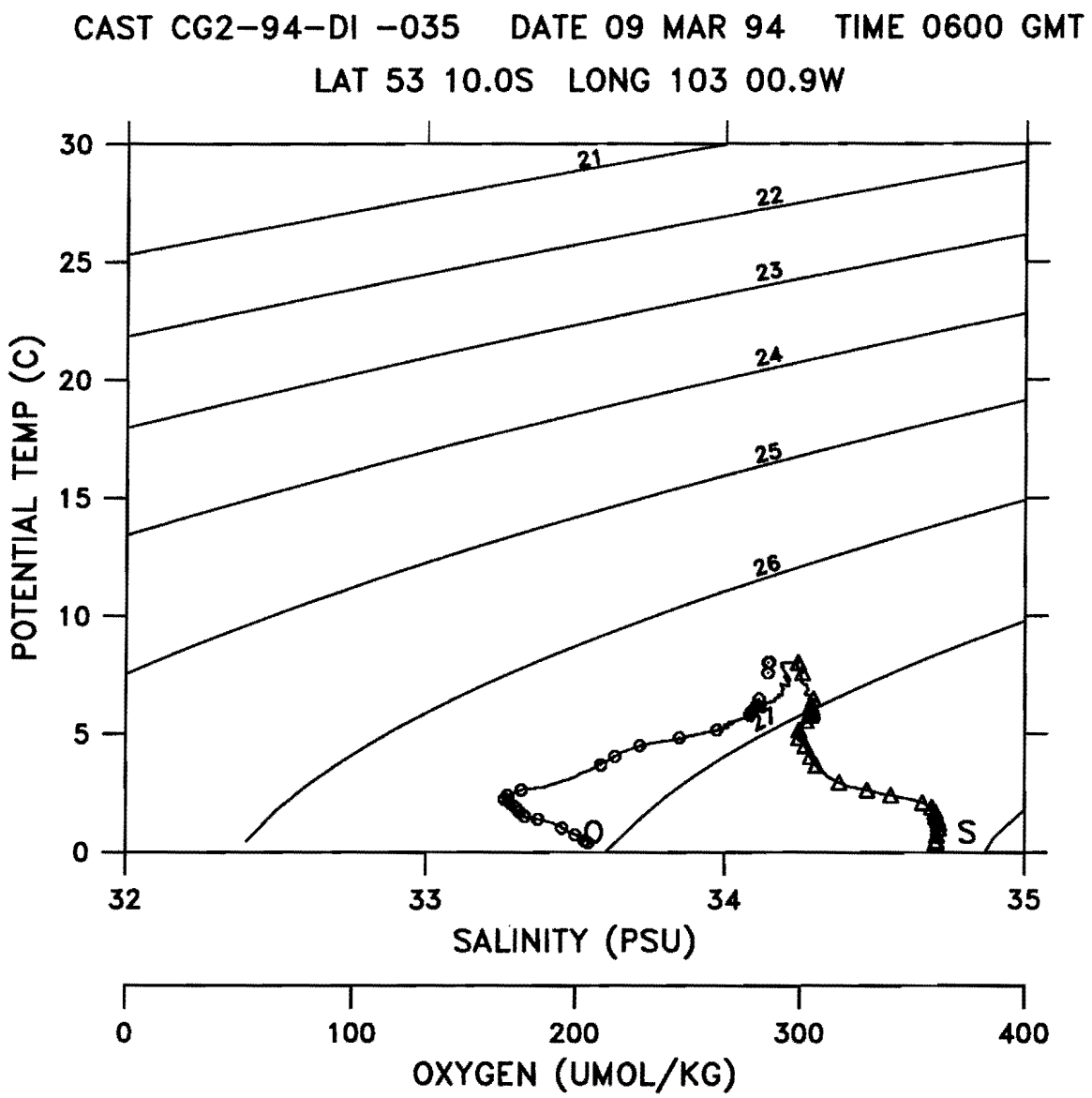
LAT 53 49.9S LONG 102 59.0W

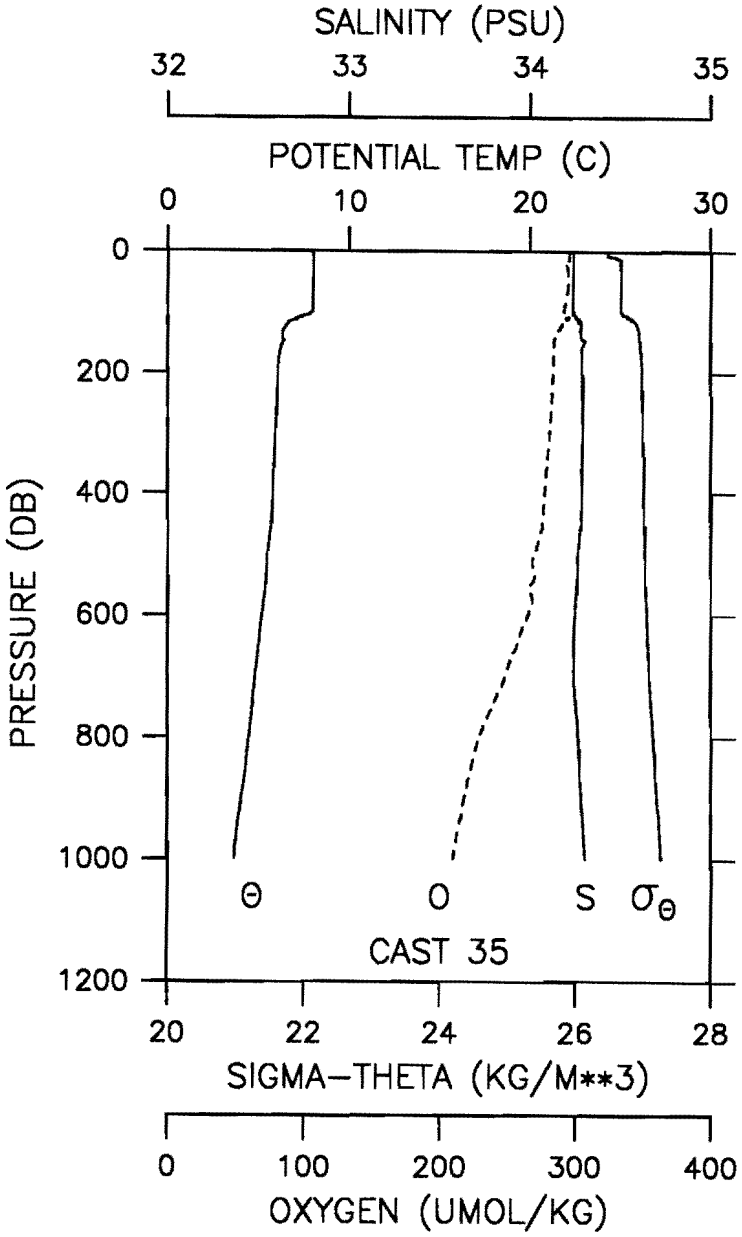




CAST CG2-94-DI -034 DATE 08 MAR 94 TIME 2333 GMT
LAT 53 49.9S LONG 102 59.0W WEATHER 2 SEA STATE 4
BAROMETER 22 WIND DIR 230 T SPD 12 KT VISIBILITY 8
CLOUD 6 AMOUNT 8 DRY 07.0 WET 05.6 DEPTH 4260 M

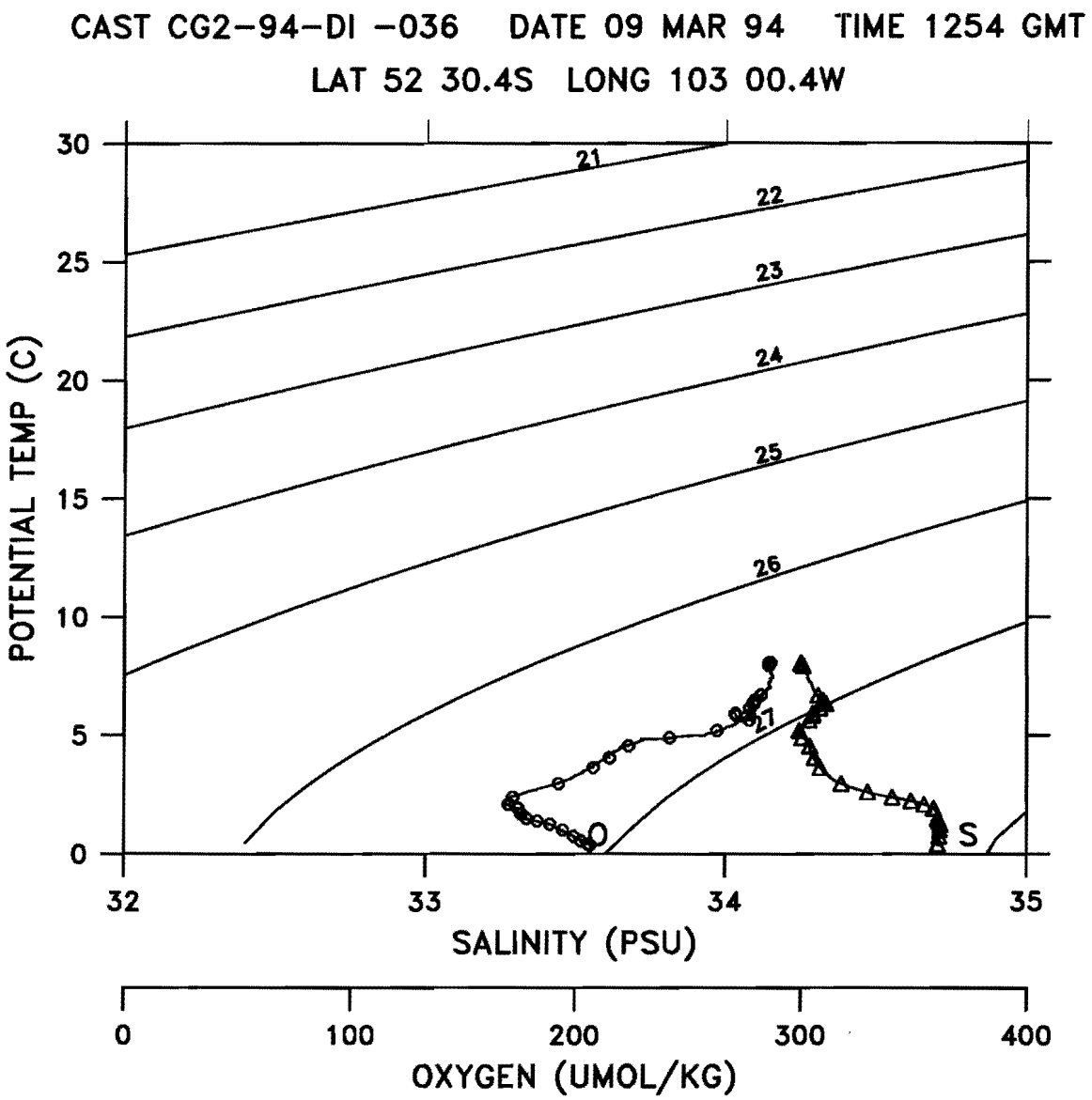
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	7.825	34.251	286.6	26.687	0.000
10	7.826	34.252	286.6	26.713	0.013
20	7.824	34.253	287.2	26.713	0.027
30	7.810	34.252	287.1	26.715	0.040
40	7.783	34.252	287.0	26.719	0.053
50	7.779	34.252	286.9	26.719	0.066
60	7.777	34.253	286.9	26.720	0.080
70	7.776	34.252	287.0	26.720	0.093
80	7.773	34.252	287.4	26.720	0.106
90	7.773	34.252	287.1	26.720	0.119
100	7.768	34.253	287.2	26.721	0.133
110	7.220	34.271	291.0	26.814	0.146
120	6.494	34.295	288.2	26.932	0.158
130	6.384	34.301	284.2	26.951	0.169
140	6.340	34.302	283.5	26.958	0.180
150	6.294	34.302	283.2	26.963	0.191
160	6.262	34.302	282.9	26.968	0.202
170	6.259	34.304	283.0	26.970	0.213
180	6.227	34.303	283.1	26.973	0.224
190	6.208	34.305	282.8	26.977	0.235
200	6.190	34.304	282.5	26.979	0.246
250	6.092	34.308	282.2	26.994	0.301
300	5.986	34.305	282.4	27.006	0.355
350	5.895	34.301	280.5	27.014	0.409
400	5.786	34.293	279.8	27.021	0.463
450	5.709	34.290	280.2	27.028	0.518
500	5.583	34.278	281.2	27.034	0.572
550	5.469	34.269	279.7	27.040	0.626
600	5.286	34.251	278.4	27.048	0.680
650	5.116	34.235	276.9	27.055	0.733
700	4.898	34.216	273.3	27.066	0.787
750	4.699	34.215	261.9	27.087	0.840
800	4.619	34.235	246.1	27.112	0.892
900	4.399	34.277	224.3	27.169	0.992
1000	3.919	34.295	214.8	27.234	1.087
1500	2.546	34.494	176.5	27.522	1.470
2000	2.154	34.647	169.9	27.676	1.758
2500	1.768	34.708	177.6	27.756	1.998
3000	1.378	34.717	185.3	27.792	2.213
3500	1.062	34.718	194.4	27.815	2.416
4000	0.521	34.709	204.7	27.842	2.596
4278	0.412	34.708	207.5	27.847	2.686

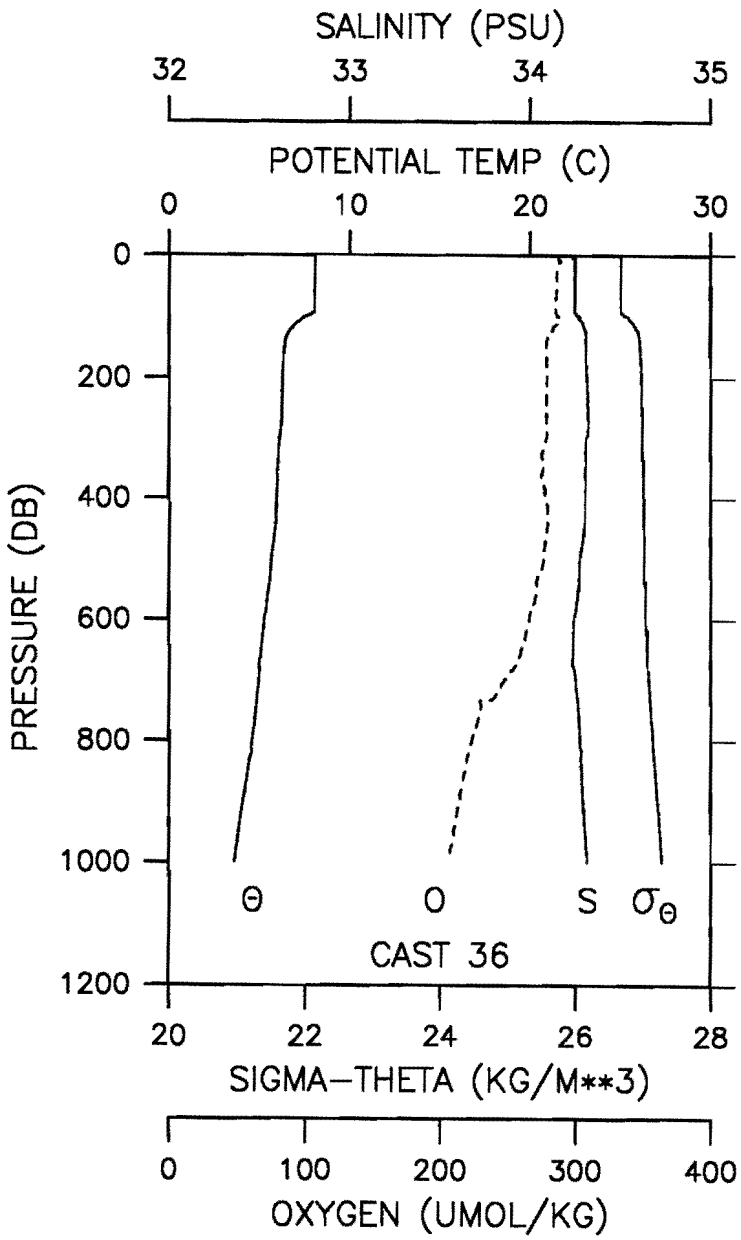

CAST CG2-94-DI -035 DATE 09 MAR 94 TIME 0600 GMT
LAT 53 10.0S LONG 103 00.9W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
21
22
23
24
25
26
O
S



CAST CG2-94-DI -035 DATE 09 MAR 94 TIME 0600 GMT
LAT 53 10.0S LONG 103 00.9W WEATHER 1 SEA STATE 4
BAROMETER 23 WIND DIR 250 T SPD 14 KT VISIBILITY 8
CLOUD 6 AMOUNT 5 DRY 06.3 WET 05.0 DEPTH 4100 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	8.017	34.240	295.5	26.487	0.000
10	8.034	34.240	295.5	26.606	0.015
20	8.035	34.240	293.7	26.672	0.029
30	8.034	34.240	294.4	26.672	0.043
40	8.027	34.239	294.8	26.673	0.056
50	8.020	34.240	295.2	26.674	0.070
60	8.016	34.239	294.9	26.674	0.084
70	8.014	34.240	294.1	26.675	0.097
80	8.013	34.239	293.1	26.675	0.111
90	8.009	34.239	292.3	26.675	0.125
100	7.955	34.241	291.9	26.684	0.138
110	7.191	34.255	294.6	26.805	0.152
120	6.638	34.284	290.3	26.904	0.164
130	6.379	34.279	287.1	26.935	0.175
140	6.316	34.282	285.4	26.945	0.186
150	6.349	34.300	284.3	26.955	0.197
160	6.224	34.288	284.5	26.961	0.208
170	6.158	34.287	284.1	26.970	0.219
180	6.121	34.287	283.8	26.974	0.230
190	6.100	34.288	283.6	26.978	0.241
200	6.082	34.288	283.6	26.980	0.252
250	6.002	34.291	282.7	26.992	0.307
300	5.942	34.292	281.1	27.001	0.362
350	5.859	34.287	279.4	27.007	0.416
400	5.800	34.288	277.3	27.016	0.470
450	5.713	34.283	275.8	27.022	0.525
500	5.512	34.266	269.8	27.033	0.579
550	5.391	34.259	267.0	27.042	0.633
600	5.203	34.248	264.9	27.056	0.687
650	5.002	34.241	256.8	27.073	0.740
700	4.818	34.242	247.6	27.095	0.792
750	4.664	34.254	238.6	27.122	0.843
800	4.479	34.268	229.8	27.153	0.894
900	4.069	34.284	218.3	27.209	0.990
1000	3.667	34.305	209.9	27.267	1.081
1500	2.504	34.513	172.7	27.540	1.452
2000	2.109	34.659	169.5	27.690	1.732
2500	1.703	34.702	174.3	27.756	1.967
3000	1.394	34.713	182.7	27.788	2.183
3500	1.016	34.716	194.5	27.816	2.385
4000	0.490	34.709	205.9	27.844	2.561
4167	0.413	34.708	208.1	27.847	2.614


CAST CG2-94-DI -036 DATE 09 MAR 94 TIME 1254 GMT
LAT 52 30.4S LONG 103 00.4W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
O
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

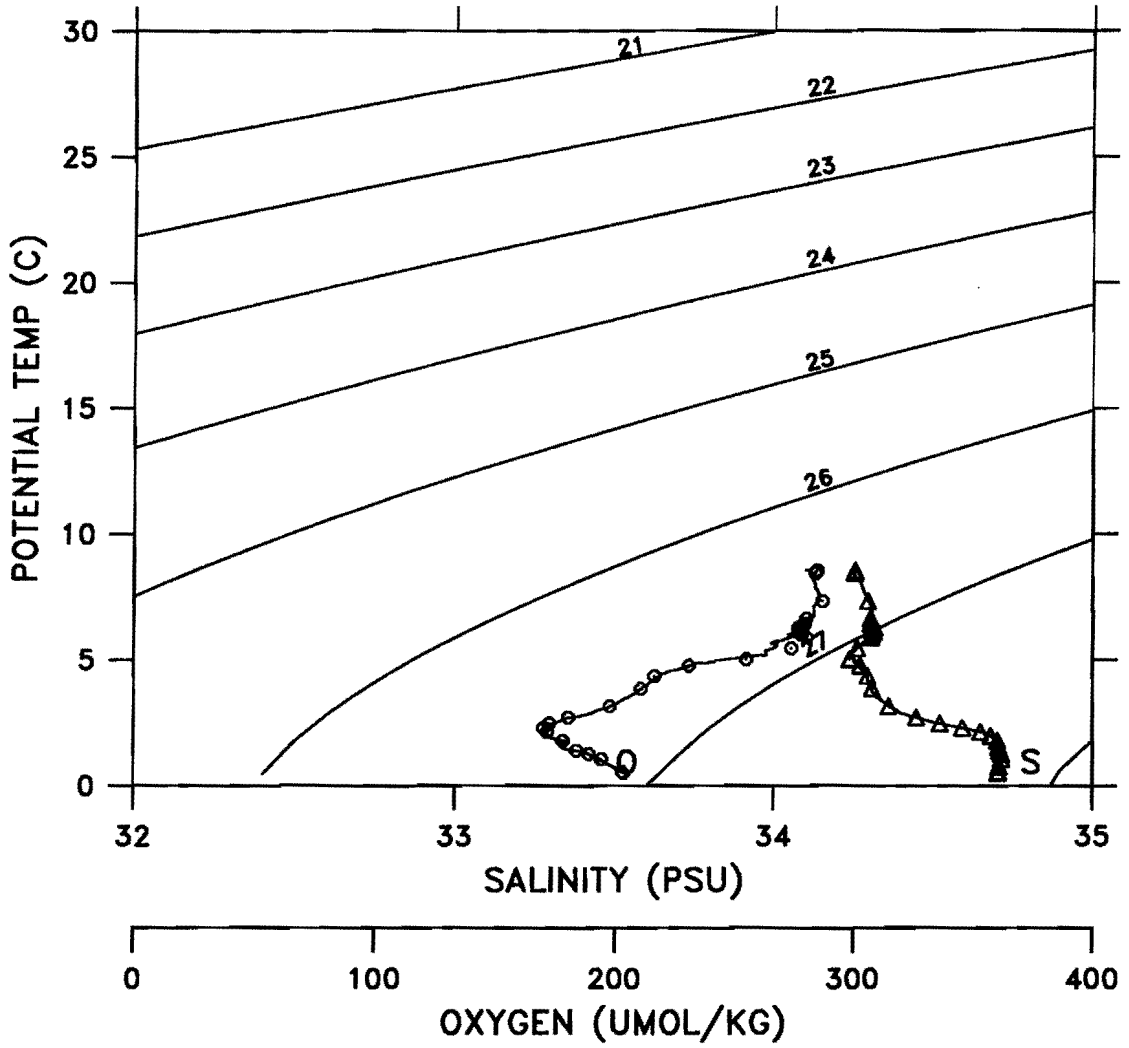


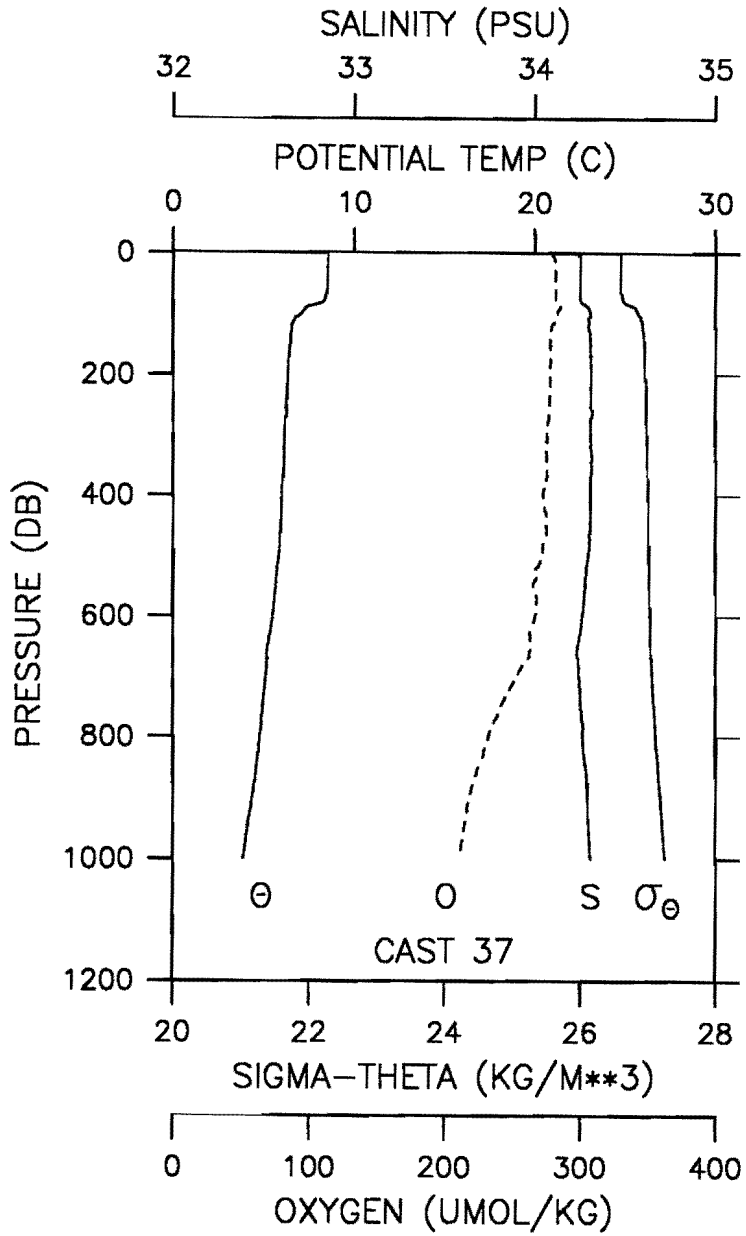
CAST CG2-94-DI -036 DATE 09 MAR 94 TIME 1254 GMT
LAT 52 30.4S LONG 103 00.4W WEATHER 2 SEA STATE 4
BAROMETER 22 WIND DIR 300 T SPD 15 KT VISIBILITY 6
CLOUD 7 AMOUNT 8 DRY 08.3 WET 07.9 DEPTH 4433 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	8.057	34.239	287.6	26.668	0.000
10	8.058	34.247	289.0	26.674	0.014
20	8.060	34.247	286.4	26.674	0.027
30	8.061	34.247	286.4	26.674	0.041
40	8.061	34.247	286.2	26.674	0.054
50	8.059	34.247	286.0	26.674	0.068
60	8.056	34.247	285.9	26.675	0.082
70	8.050	34.247	285.7	26.675	0.095
80	8.047	34.247	285.5	26.676	0.109
90	8.036	34.248	285.5	26.678	0.123
100	7.491	34.273	287.8	26.778	0.136
110	7.023	34.290	286.7	26.856	0.149
120	6.729	34.301	283.3	26.905	0.160
130	6.535	34.309	280.7	26.938	0.172
140	6.412	34.307	278.8	26.953	0.183
150	6.376	34.311	278.6	26.960	0.194
160	6.343	34.310	278.7	26.964	0.205
170	6.314	34.311	278.7	26.968	0.216
180	6.299	34.312	278.7	26.971	0.227
190	6.276	34.312	279.0	26.974	0.238
200	6.266	34.313	278.8	26.976	0.249
250	6.235	34.322	278.5	26.987	0.304
300	6.096	34.312	278.5	26.997	0.359
350	5.996	34.306	276.2	27.005	0.414
400	5.940	34.308	278.7	27.013	0.468
450	5.853	34.300	279.2	27.018	0.523
500	5.657	34.277	276.5	27.024	0.578
550	5.499	34.266	271.6	27.035	0.632
600	5.254	34.245	265.9	27.047	0.686
650	5.087	34.238	260.2	27.061	0.740
700	4.945	34.252	247.4	27.088	0.793
750	4.788	34.267	229.8	27.118	0.844
800	4.581	34.276	223.7	27.148	0.895
900	4.076	34.293	214.1	27.216	0.991
1000	3.609	34.316	206.3	27.282	1.081
1500	2.474	34.518	174.4	27.547	1.449
2000	2.094	34.662	169.0	27.693	1.725
2500	1.705	34.705	174.9	27.758	1.960
3000	1.400	34.713	181.9	27.787	2.175
3500	1.025	34.716	193.4	27.816	2.378
4000	0.545	34.710	203.9	27.841	2.556
4500	0.375	34.708	210.0	27.850	2.717
4503	0.374	34.708	210.1	27.850	2.718

CAST CG2-94-DI -037 DATE 09 MAR 94 TIME 2014 GMT

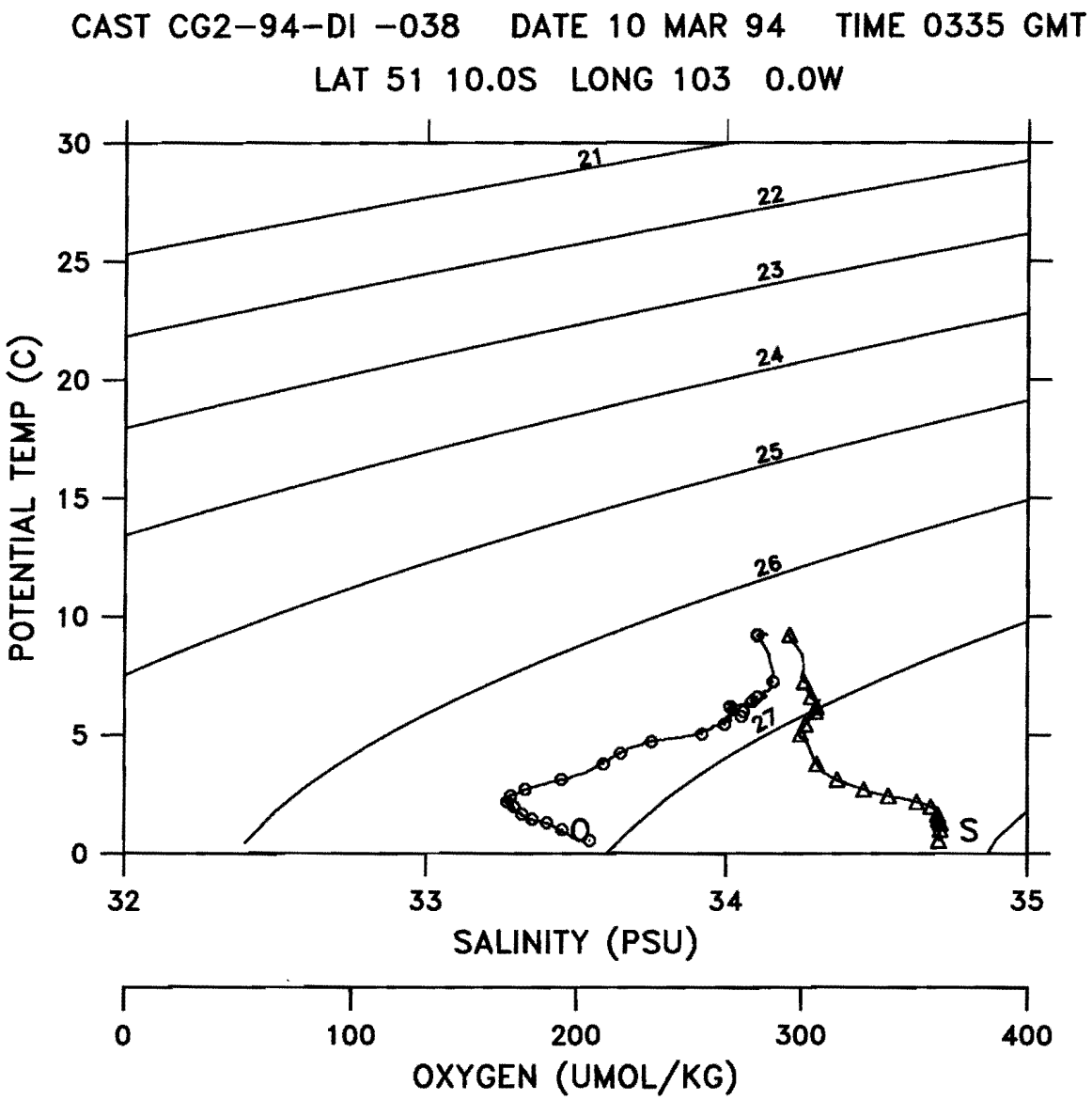
LAT 51 50.0S LONG 103 00.0W

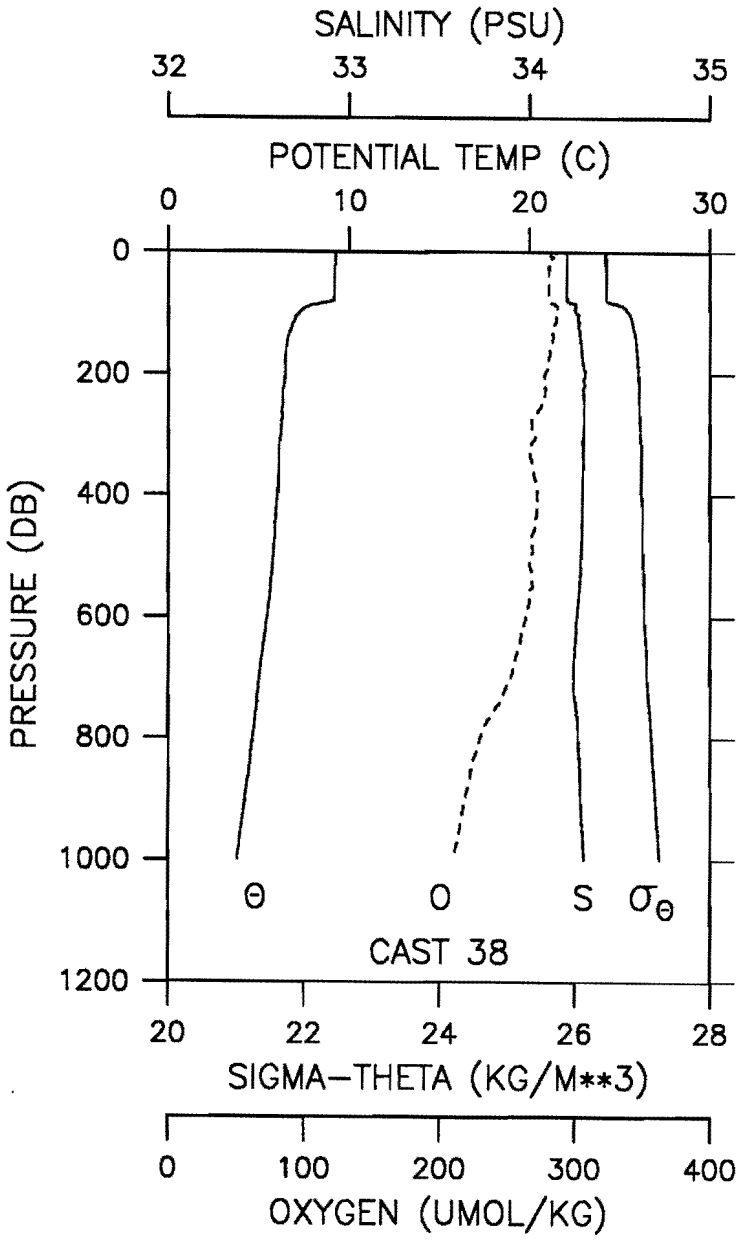




CAST CG2-94-DI -037 DATE 09 MAR 94 TIME 2014 GMT
LAT 51 50.0S LONG 103 00.0W WEATHER 4 SEA STATE 3
BAROMETER 21 WIND DIR 260 T SPD 13 KT VISIBILITY 3
CLOUD 7 AMOUNT 8 DRY 09.9 WET 09.6 DEPTH 4048 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	8.559	34.244	280.0	26.596	0.000
10	8.546	34.252	281.1	26.604	0.014
20	8.562	34.252	282.1	26.602	0.029
30	8.537	34.253	282.0	26.606	0.043
40	8.536	34.253	282.0	26.606	0.057
50	8.537	34.253	282.0	26.606	0.071
60	8.507	34.252	282.2	26.610	0.086
70	8.433	34.249	282.1	26.619	0.100
80	8.276	34.258	282.6	26.650	0.114
90	7.332	34.298	285.5	26.820	0.127
100	7.096	34.308	283.5	26.861	0.139
110	6.689	34.298	281.7	26.908	0.151
120	6.547	34.297	279.3	26.926	0.163
130	6.519	34.306	278.7	26.937	0.174
140	6.485	34.307	278.1	26.942	0.185
150	6.467	34.310	278.1	26.947	0.196
160	6.420	34.309	278.3	26.952	0.208
170	6.407	34.310	278.2	26.956	0.219
180	6.370	34.308	278.0	26.959	0.230
190	6.366	34.312	277.7	26.962	0.241
200	6.338	34.311	277.8	26.965	0.252
250	6.242	34.311	277.4	26.977	0.307
300	6.168	34.311	275.7	26.987	0.363
350	6.100	34.313	275.7	26.997	0.418
400	6.009	34.309	272.8	27.005	0.473
450	5.955	34.308	274.9	27.012	0.528
500	5.836	34.296	271.4	27.017	0.583
550	5.666	34.279	265.5	27.024	0.638
600	5.493	34.264	267.0	27.034	0.693
650	5.214	34.236	263.5	27.045	0.747
700	5.109	34.245	254.0	27.064	0.801
750	4.940	34.252	242.1	27.089	0.854
800	4.797	34.266	232.9	27.116	0.906
900	4.354	34.293	218.7	27.186	1.006
1000	3.855	34.308	211.4	27.250	1.099
1500	2.567	34.490	177.0	27.517	1.485
2000	2.140	34.651	171.4	27.681	1.773
2500	1.785	34.711	178.6	27.757	2.013
3000	1.408	34.713	182.5	27.787	2.229
3500	1.059	34.717	193.3	27.814	2.433
4000	0.543	34.709	204.1	27.841	2.612
4058	0.509	34.709	204.8	27.842	2.631


CAST CG2-94-DI -038 DATE 10 MAR 94 TIME 0335 GMT
LAT 51 10.0S LONG 103 0.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
O
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

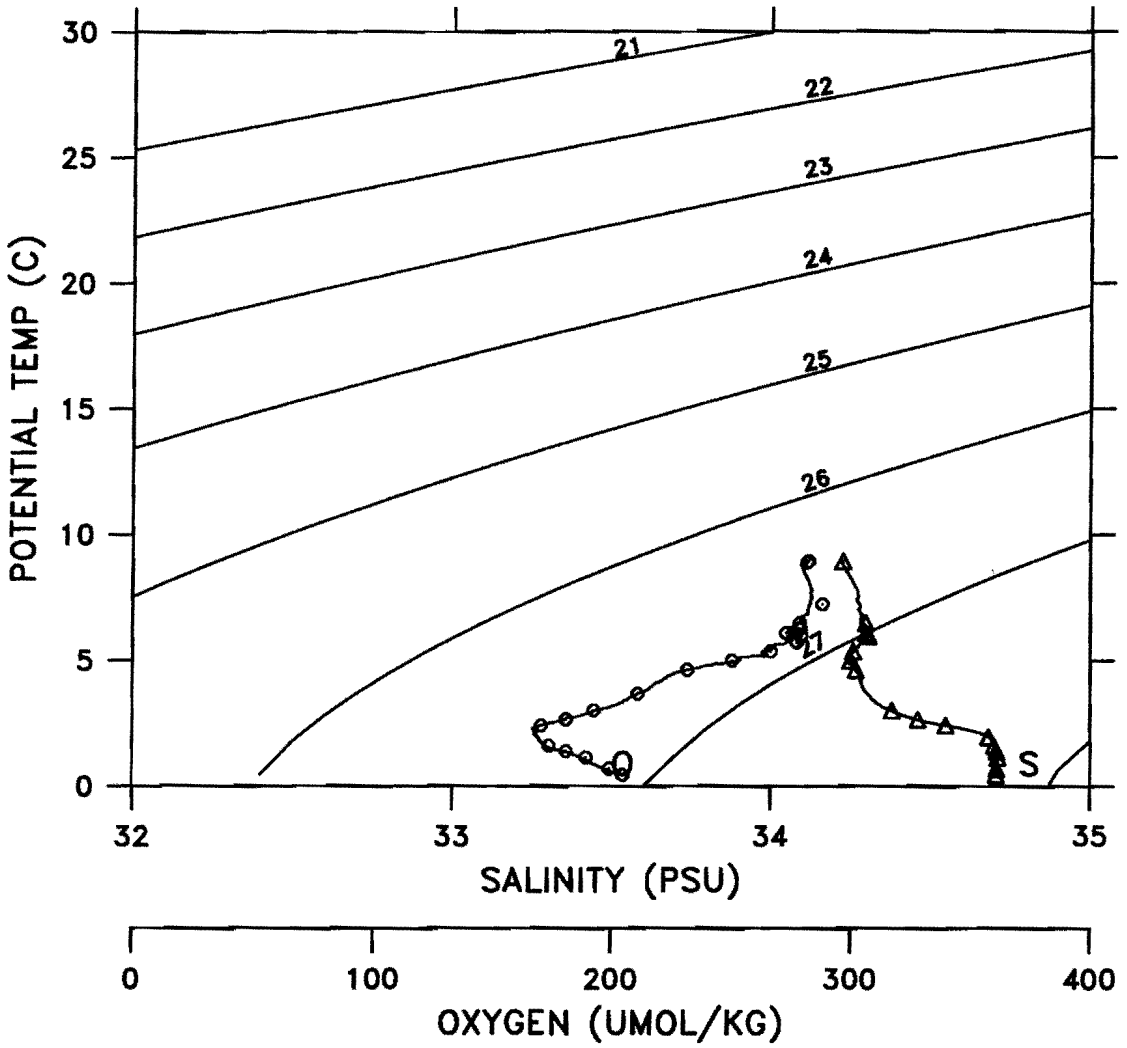


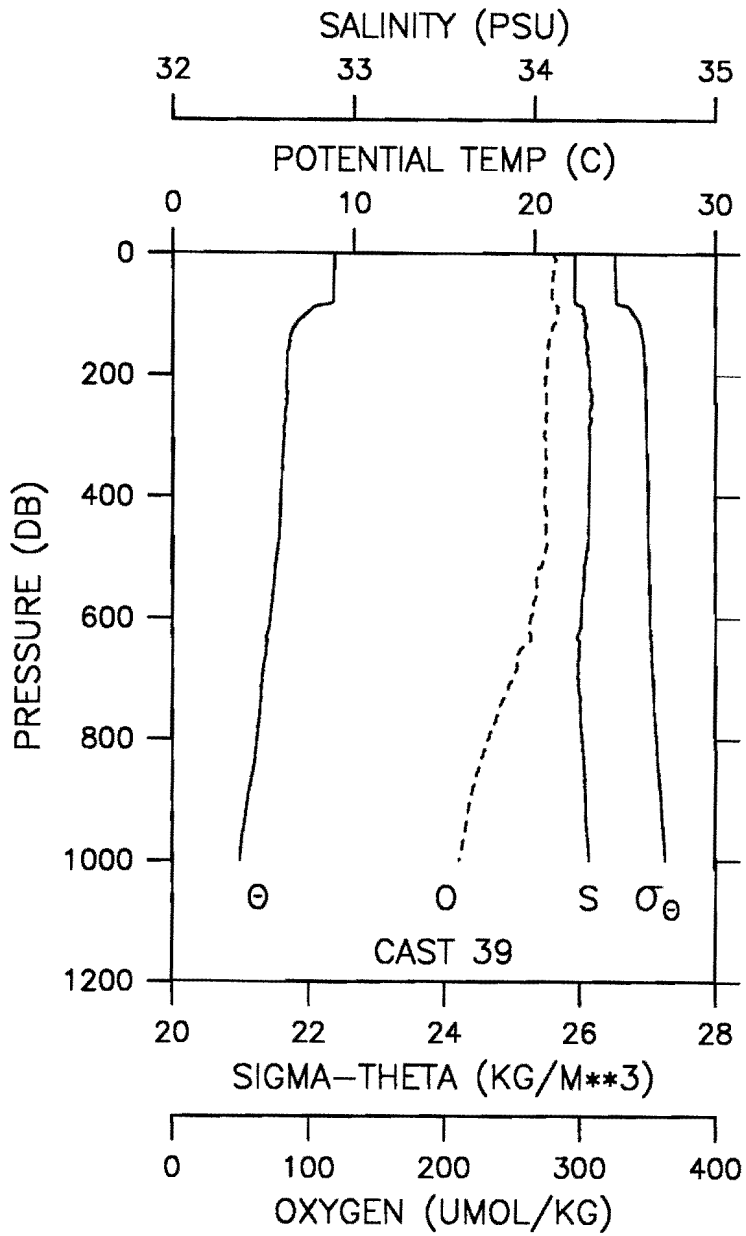
CAST CG2-94-DI -038 DATE 10 MAR 94 TIME 0335 GMT
LAT 51 10.0S LONG 103 0.0W WEATHER 2 SEA STATE 3
BAROMETER 21 WIND DIR 245 T SPD 10 KT VISIBILITY 5
CLOUD 3 AMOUNT X DRY 9.0 WET 8.7 DEPTH 3758 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	9.260	34.209	282.1	26.457	0.000
10	9.253	34.208	283.9	26.458	0.016
20	9.254	34.208	281.0	26.458	0.031
30	9.187	34.209	281.1	26.469	0.047
40	9.180	34.208	280.9	26.470	0.062
50	9.177	34.208	280.8	26.470	0.078
60	9.175	34.208	280.8	26.470	0.094
70	9.174	34.208	280.8	26.471	0.109
80	9.084	34.213	281.5	26.489	0.125
90	7.690	34.256	287.3	26.735	0.139
100	7.240	34.264	286.1	26.806	0.152
110	7.007	34.269	286.6	26.842	0.164
120	6.848	34.270	283.9	26.865	0.176
130	6.728	34.279	283.2	26.888	0.188
140	6.600	34.281	284.0	26.907	0.200
150	6.571	34.287	283.0	26.915	0.211
160	6.532	34.289	281.6	26.922	0.223
170	6.477	34.291	281.2	26.931	0.234
180	6.457	34.296	280.4	26.938	0.246
190	6.468	34.302	279.8	26.940	0.257
200	6.473	34.309	278.0	26.946	0.268
250	6.328	34.306	275.8	26.963	0.324
300	6.204	34.301	270.3	26.974	0.380
350	6.111	34.300	268.2	26.985	0.436
400	6.011	34.295	272.0	26.994	0.492
450	5.876	34.289	270.5	27.007	0.547
500	5.789	34.287	267.2	27.016	0.602
550	5.634	34.277	268.8	27.027	0.657
600	5.454	34.264	263.9	27.038	0.712
650	5.207	34.250	258.6	27.057	0.766
700	5.015	34.248	253.0	27.076	0.819
750	4.850	34.256	241.3	27.103	0.871
800	4.650	34.270	230.3	27.136	0.922
900	4.230	34.284	219.1	27.192	1.021
1000	3.801	34.302	210.9	27.251	1.113
1500	2.535	34.504	173.3	27.530	1.494
2000	2.136	34.651	169.2	27.681	1.779
2500	1.726	34.702	175.0	27.754	2.017
3000	1.405	34.713	181.4	27.786	2.234
3500	1.043	34.714	191.6	27.813	2.439
3827	0.545	34.710	201.7	27.841	2.556

CAST CG2-94-DI -039 DATE 10 MAR 94 TIME 1014 GMT

LAT 50 30.0S LONG 103 00.5W



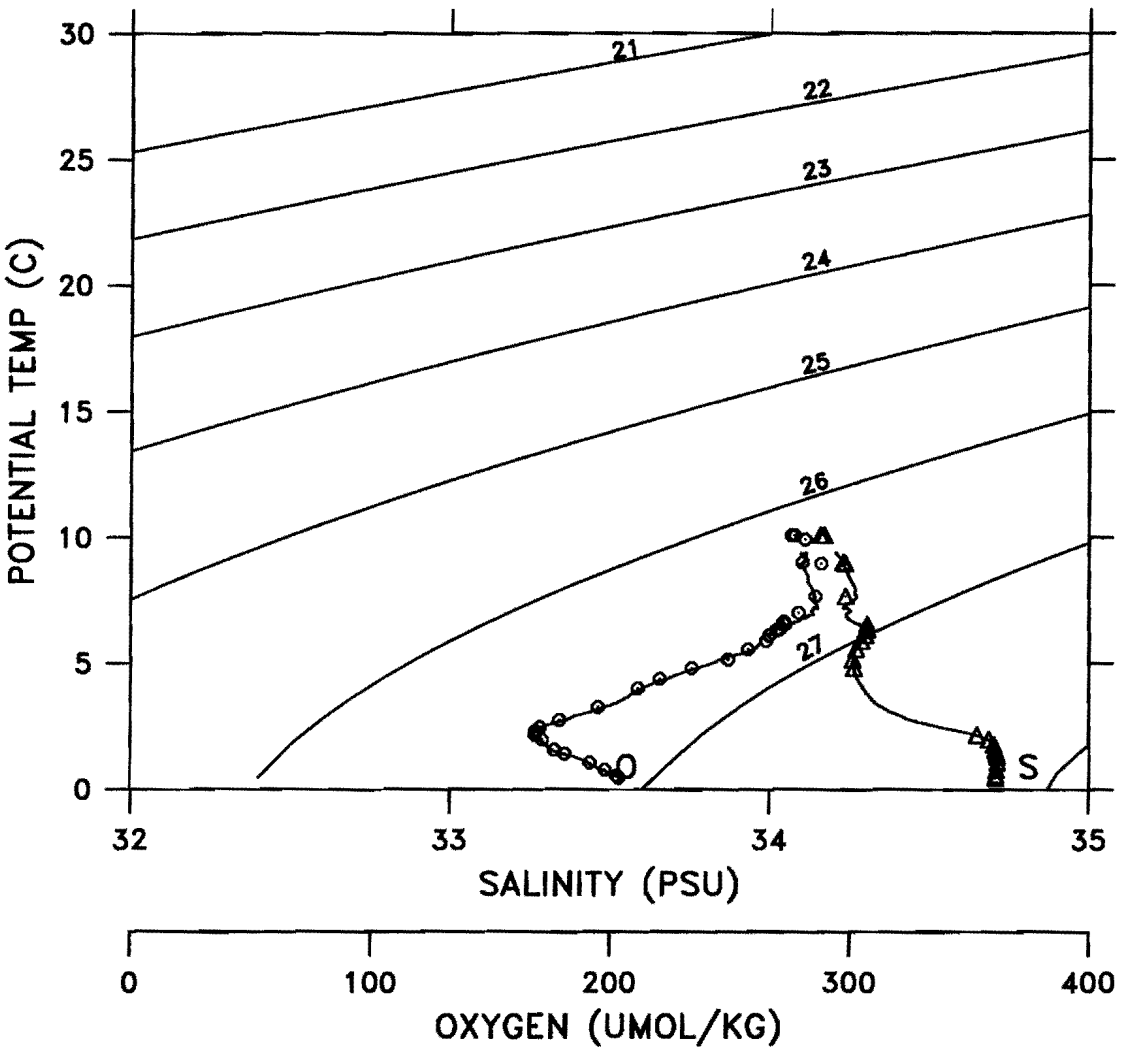


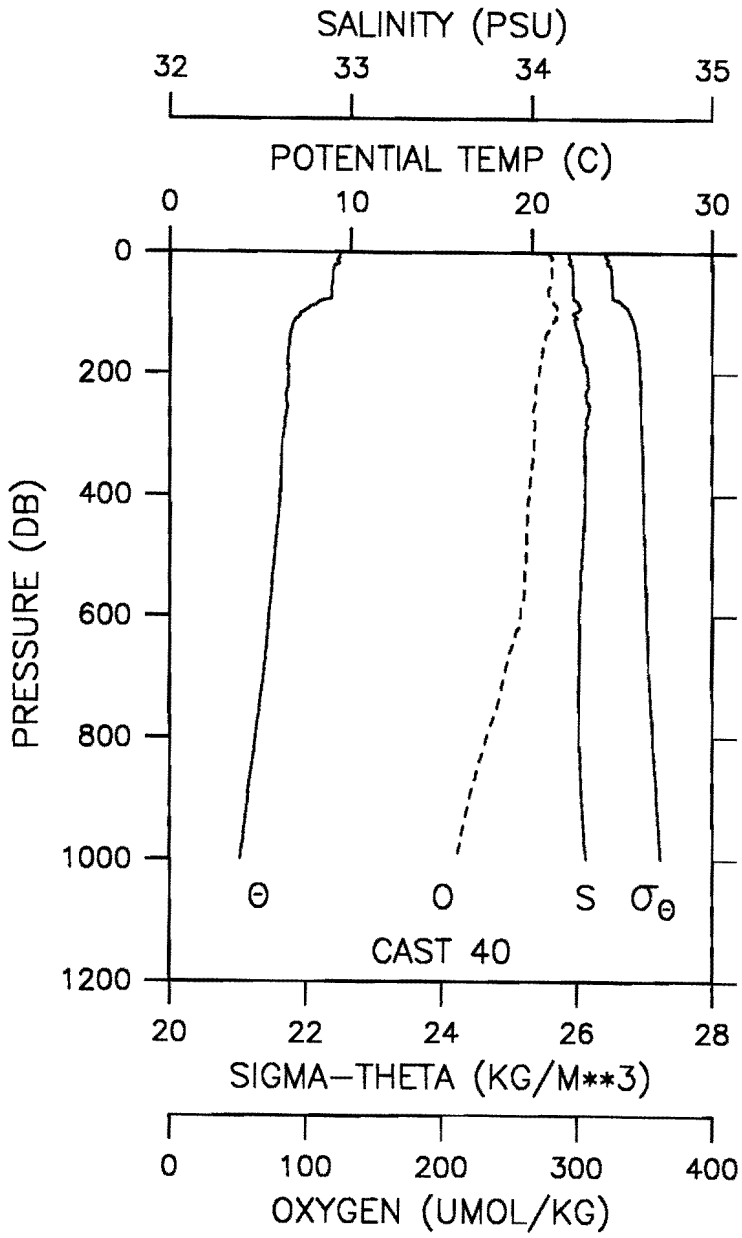
CAST CG2-94-DI -039 DATE 10 MAR 94 TIME 1014 GMT
LAT 50 30.0S LONG 103 00.5W WEATHER 4 SEA STATE 1
BAROMETER 21 WIND DIR 235 T SPD 09 KT VISIBILITY 5
CLOUD 7 AMOUNT 8 DRY 08.7 WET 08.3 DEPTH 5180 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	8.953	34.227	280.4	26.521	0.000
10	8.953	34.224	282.4	26.518	0.015
20	8.945	34.224	281.0	26.519	0.030
30	8.897	34.224	280.6	26.527	0.045
40	8.890	34.224	280.1	26.528	0.060
50	8.886	34.224	279.8	26.529	0.075
60	8.874	34.223	279.6	26.530	0.090
70	8.869	34.223	279.6	26.531	0.105
80	8.829	34.225	279.4	26.538	0.120
90	7.759	34.271	283.5	26.737	0.134
100	7.318	34.272	283.0	26.801	0.147
110	6.962	34.278	281.9	26.855	0.160
120	6.762	34.291	279.8	26.893	0.171
130	6.580	34.281	279.1	26.910	0.183
140	6.465	34.284	277.3	26.927	0.194
150	6.415	34.291	276.9	26.939	0.206
160	6.356	34.290	276.5	26.946	0.217
170	6.315	34.294	276.1	26.955	0.228
180	6.293	34.297	276.1	26.960	0.239
190	6.309	34.305	275.9	26.964	0.250
200	6.291	34.306	275.4	26.967	0.262
250	6.253	34.313	275.5	26.978	0.317
300	6.137	34.307	273.7	26.988	0.372
350	6.041	34.306	275.0	26.999	0.427
400	5.952	34.303	273.9	27.008	0.482
450	5.880	34.301	275.1	27.015	0.537
500	5.729	34.285	273.5	27.022	0.592
550	5.559	34.272	268.1	27.032	0.646
600	5.363	34.258	264.0	27.045	0.700
650	5.144	34.247	256.9	27.062	0.754
700	4.932	34.243	250.4	27.083	0.807
750	4.818	34.254	240.5	27.105	0.859
800	4.635	34.264	232.6	27.133	0.910
900	4.130	34.282	219.5	27.202	1.008
1000	3.699	34.302	211.3	27.261	1.100
1500	2.519	34.502	175.7	27.530	1.475
2000	2.107	34.658	168.7	27.689	1.756
2500	1.674	34.700	171.3	27.757	1.993
3000	1.402	34.710	178.8	27.784	2.209
3500	1.022	34.712	189.7	27.813	2.414
4000	0.527	34.708	201.7	27.841	2.593
4307	0.452	34.708	204.6	27.845	2.693

CAST CG2-94-DI -040 DATE 10 MAR 94 TIME 1832 GMT

LAT 49 50.0S LONG 103 00.1W



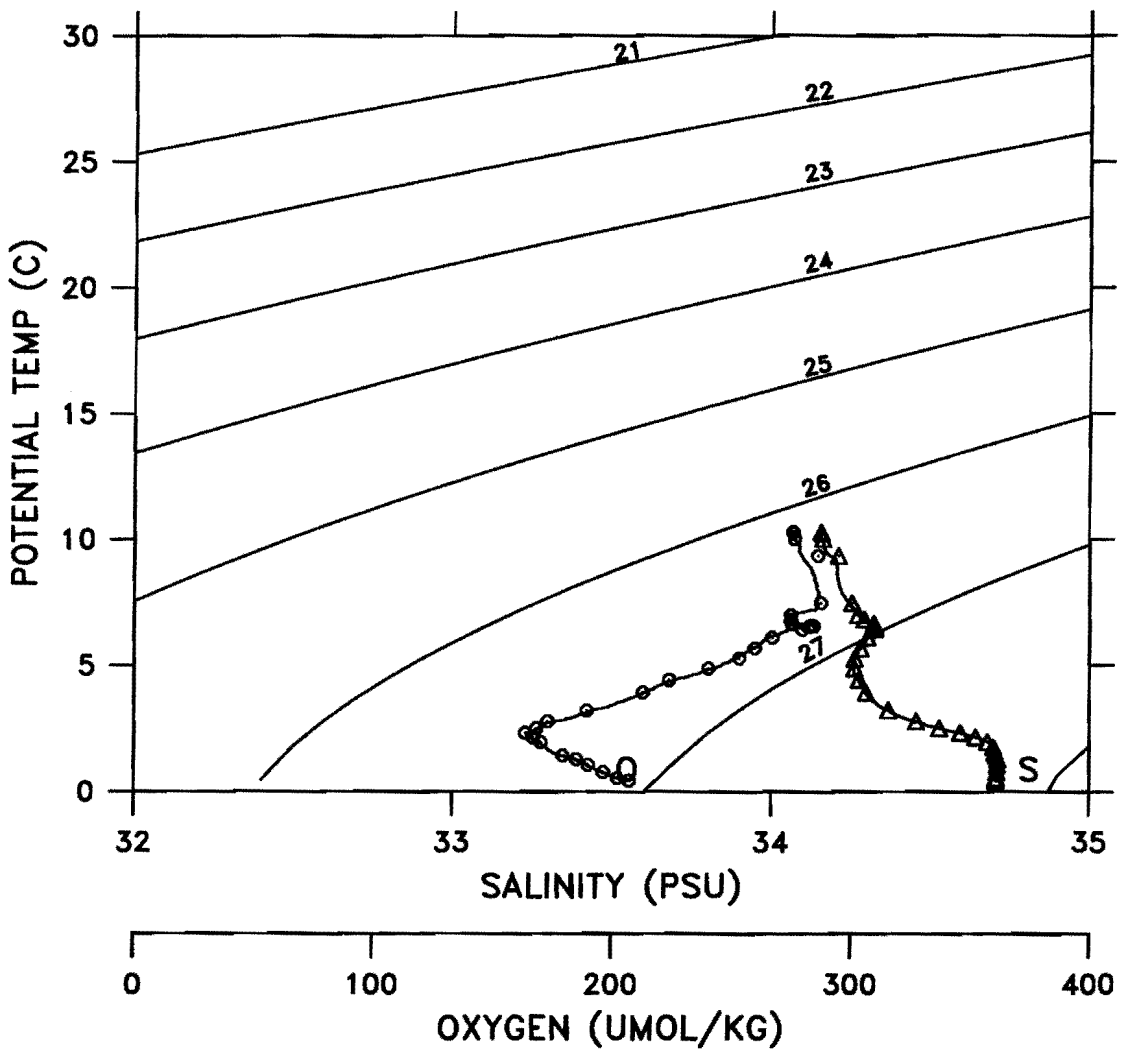


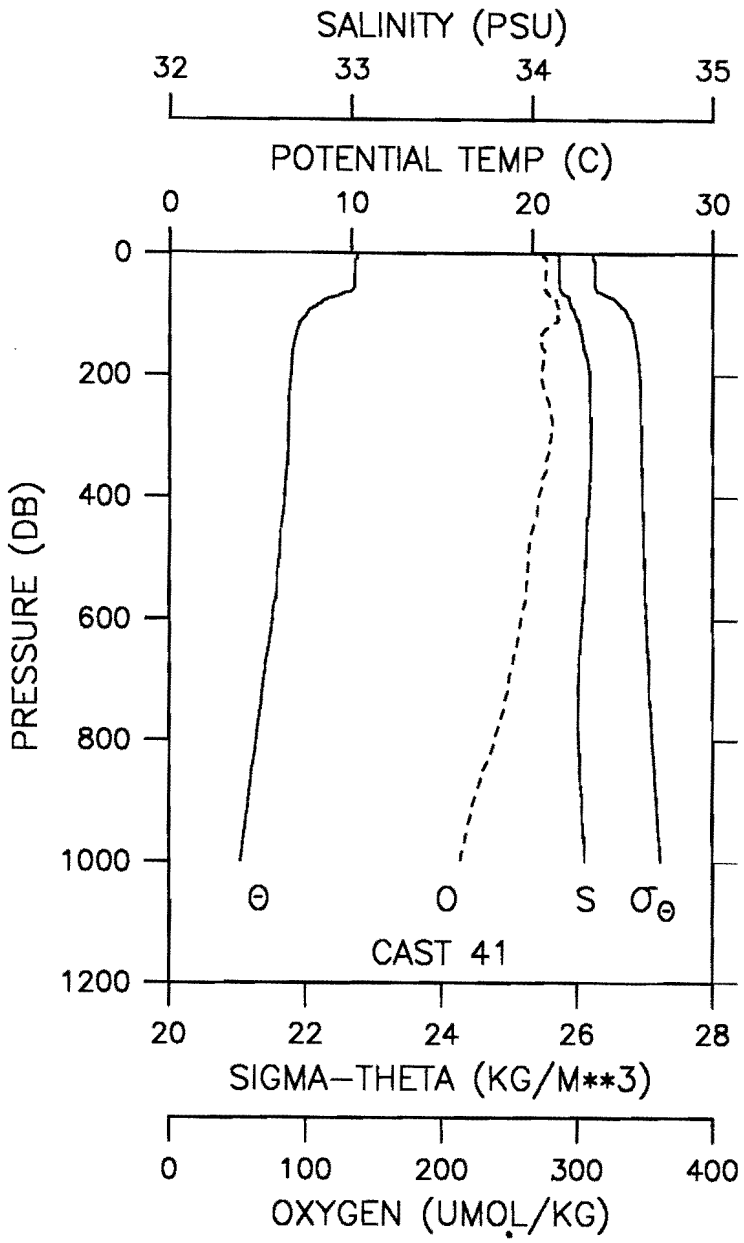
CAST CG2-94-DI -040 DATE 10 MAR 94 TIME 1832 GMT
LAT 49 50.0S LONG 103 00.1W WEATHER 2 SEA STATE 3
BAROMETER 21 WIND DIR 290 T SPD 07 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 10.1 WET 08.3 DEPTH 4200 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	9.384	34.207	279.7	26.411	0.000
10	9.355	34.207	282.0	26.441	0.016
20	9.234	34.217	281.1	26.467	0.032
30	9.025	34.226	281.4	26.508	0.047
40	9.003	34.228	281.2	26.513	0.062
50	8.984	34.228	280.9	26.517	0.077
60	8.931	34.230	279.2	26.526	0.092
70	8.925	34.230	279.2	26.528	0.107
80	8.373	34.249	282.6	26.628	0.122
90	7.734	34.266	285.1	26.737	0.136
100	7.223	34.230	286.7	26.781	0.149
110	6.937	34.237	284.9	26.826	0.162
120	6.783	34.244	281.1	26.853	0.174
130	6.690	34.255	278.8	26.874	0.186
140	6.639	34.262	276.9	26.886	0.197
150	6.579	34.273	275.8	26.903	0.209
160	6.546	34.279	274.6	26.912	0.221
170	6.521	34.283	274.3	26.919	0.232
180	6.502	34.287	273.5	26.925	0.244
190	6.554	34.306	272.5	26.932	0.255
200	6.543	34.309	271.9	26.936	0.267
250	6.471	34.317	269.0	26.952	0.323
300	6.284	34.300	268.5	26.963	0.380
350	6.167	34.297	266.8	26.976	0.436
400	6.069	34.296	264.6	26.987	0.492
450	5.937	34.290	263.2	26.999	0.548
500	5.781	34.280	262.5	27.011	0.603
550	5.629	34.271	261.3	27.023	0.658
600	5.465	34.264	258.6	27.037	0.713
650	5.334	34.262	251.8	27.052	0.767
700	5.150	34.261	246.2	27.072	0.821
750	4.926	34.260	240.5	27.097	0.874
800	4.730	34.264	233.2	27.123	0.925
900	4.291	34.277	220.0	27.181	1.025
1000	3.878	34.301	210.9	27.243	1.119
1500	2.576	34.496	174.4	27.521	1.504
2000	2.137	34.651	168.7	27.681	1.791
2500	1.759	34.701	173.8	27.751	2.031
3000	1.422	34.710	180.4	27.783	2.250
3500	1.048	34.713	191.0	27.811	2.456
4000	0.521	34.709	204.0	27.842	2.634
4269	0.463	34.708	206.7	27.845	2.722

CAST CG2-94-DI -041 DATE 11 MAR 94 TIME 0108 GMT

LAT 49 09.8S LONG 103 00.3W



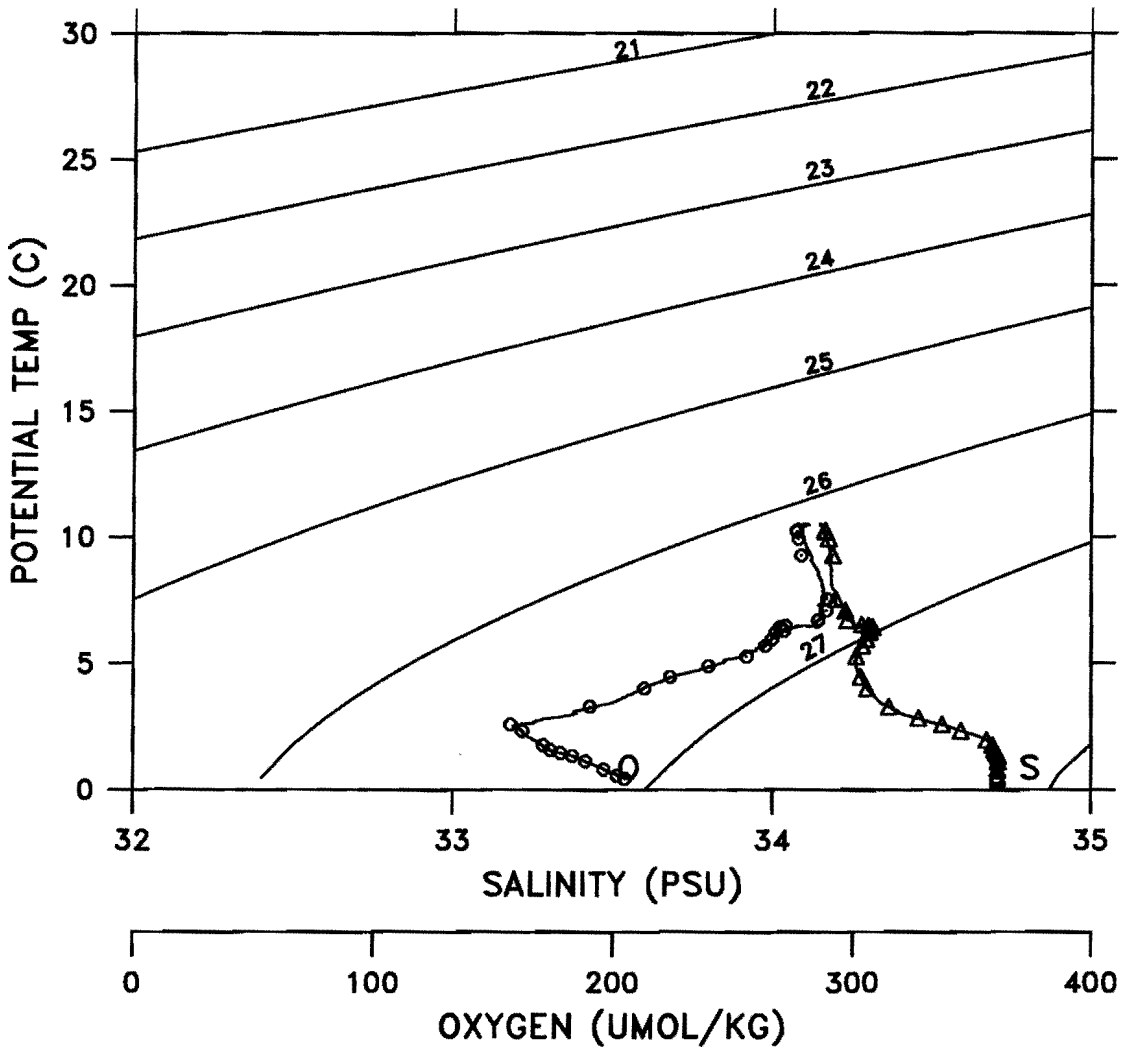


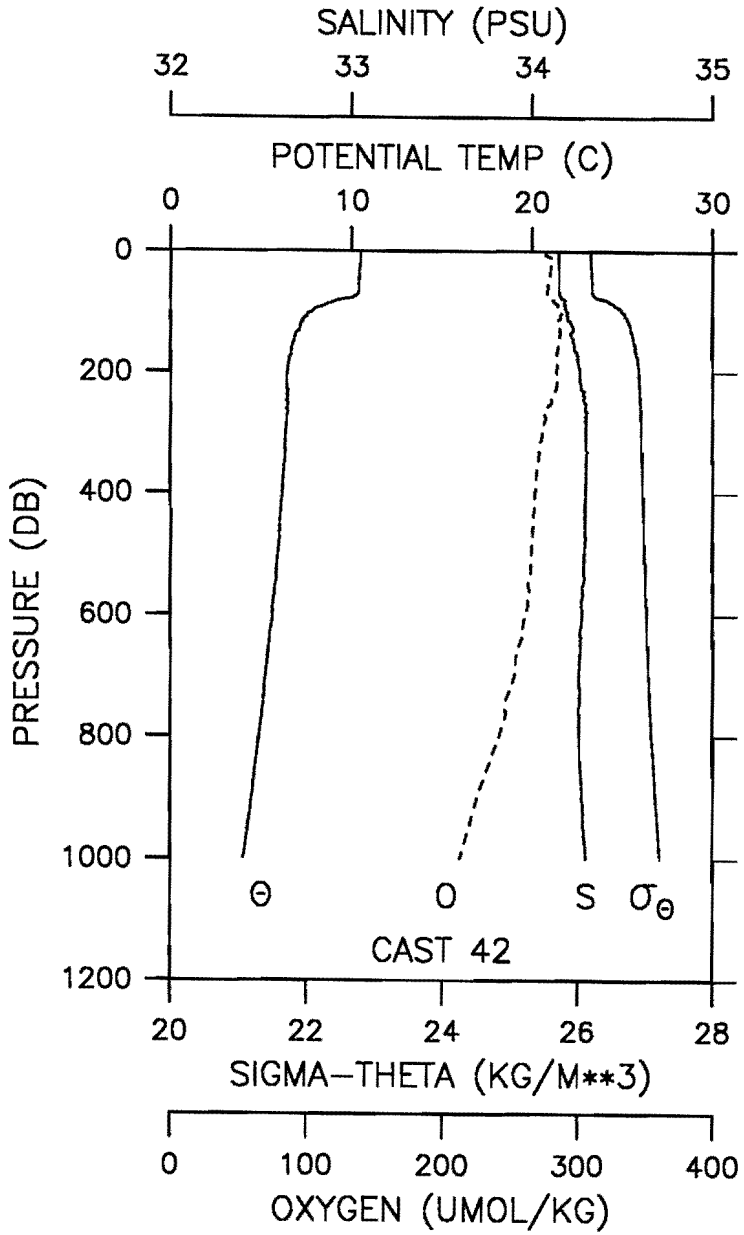
CAST CG2-94-DI -041 DATE 11 MAR 94 TIME 0108 GMT
LAT 49 09.8S LONG 103 00.3W WEATHER 2 SEA STATE 3
BAROMETER 20 WIND DIR 330 T SPD 13 KT VISIBILITY 7
CLOUD 6 AMOUNT 7 DRY 10.0 WET 09.7 DEPTH 4272 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	10.314	34.149	274.0	26.234	0.000
10	10.315	34.149	277.0	26.234	0.018
20	10.182	34.147	276.9	26.255	0.035
30	10.177	34.147	277.0	26.256	0.053
40	10.174	34.148	276.7	26.257	0.071
50	10.167	34.151	276.2	26.261	0.088
60	10.052	34.157	276.6	26.286	0.106
70	9.267	34.196	279.6	26.446	0.122
80	8.395	34.208	284.5	26.592	0.137
90	7.837	34.222	286.5	26.687	0.152
100	7.557	34.238	285.7	26.740	0.165
110	7.278	34.258	285.7	26.795	0.178
120	7.097	34.263	280.0	26.825	0.190
130	6.995	34.272	275.0	26.846	0.202
140	6.915	34.278	272.8	26.862	0.215
150	6.853	34.285	273.8	26.876	0.226
160	6.792	34.291	275.9	26.889	0.238
170	6.737	34.301	275.2	26.904	0.250
180	6.721	34.310	274.9	26.913	0.262
190	6.703	34.315	274.2	26.920	0.273
200	6.685	34.318	273.6	26.925	0.285
250	6.577	34.321	279.4	26.942	0.342
300	6.544	34.326	281.2	26.950	0.399
350	6.475	34.325	277.7	26.958	0.456
400	6.334	34.317	272.0	26.970	0.513
450	6.161	34.304	267.7	26.982	0.570
500	6.050	34.300	264.0	26.993	0.626
550	5.914	34.292	262.7	27.004	0.682
600	5.683	34.279	258.7	27.023	0.738
650	5.433	34.268	255.3	27.045	0.793
700	5.194	34.259	249.8	27.065	0.847
750	5.009	34.257	245.8	27.085	0.900
800	4.798	34.259	239.0	27.111	0.952
900	4.351	34.277	223.6	27.174	1.053
1000	3.929	34.296	213.9	27.233	1.148
1500	2.639	34.487	171.8	27.507	1.538
2000	2.154	34.643	166.4	27.674	1.830
2500	1.767	34.699	172.5	27.749	2.073
3000	1.429	34.709	179.2	27.782	2.293
3500	1.058	34.713	189.6	27.811	2.500
4000	0.537	34.709	203.0	27.841	2.680
4287	0.438	34.708	206.2	27.846	2.774

CAST CG2-94-DI -042 DATE 11 MAR 94 TIME 0731 GMT

LAT 48 29.8S LONG 102 59.7W



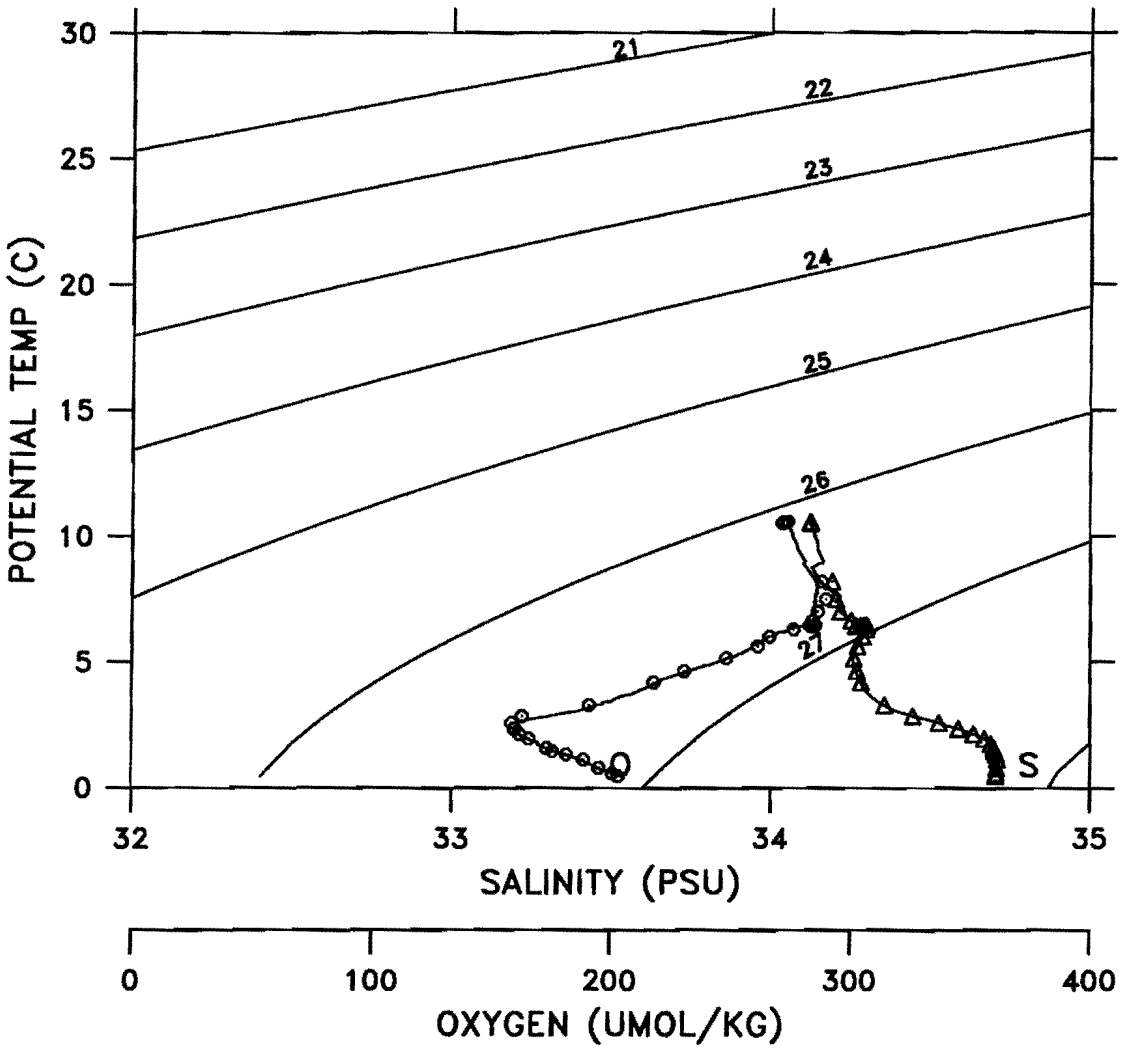


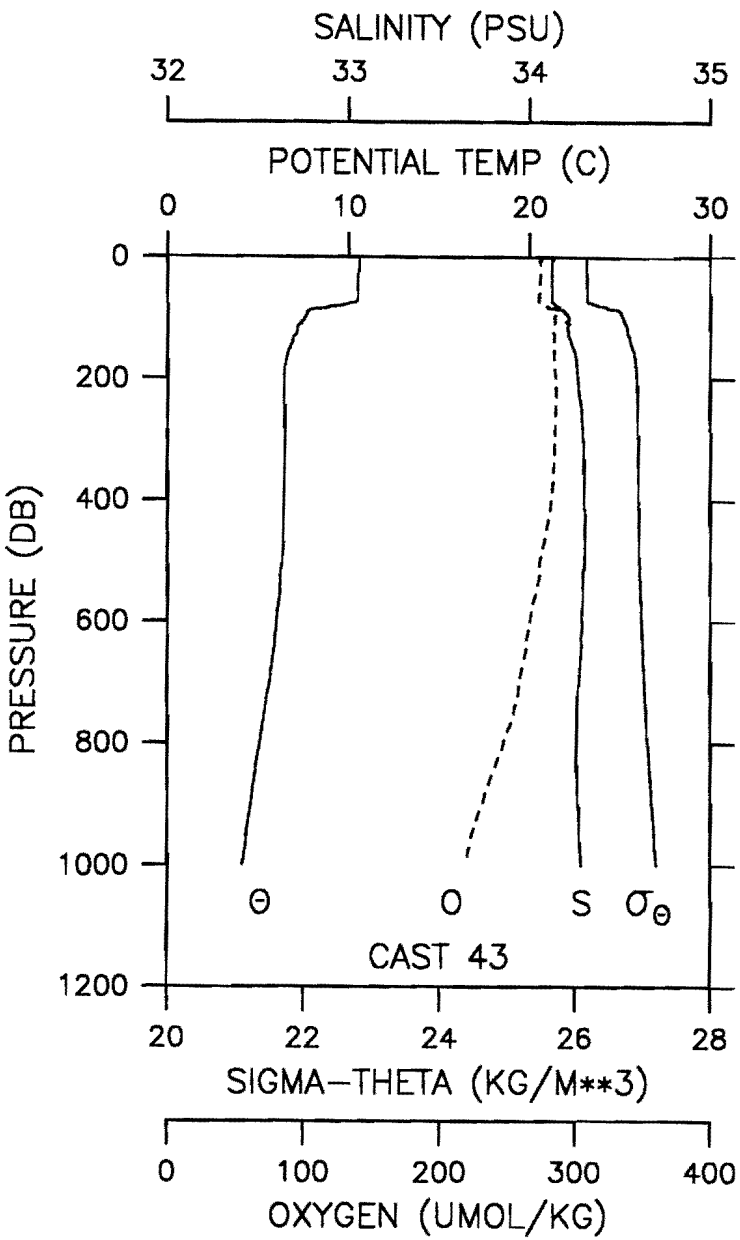
CAST CG2–94–DI –042 DATE 11 MAR 94 TIME 0731 GMT
LAT 48 29.8S LONG 102 59.7W WEATHER 6 SEA STATE 3
BAROMETER 21 WIND DIR 320 T SPD 11 KT VISIBILITY 7
CLOUD 6 AMOUNT 5 DRY 10.0 WET 09.3 DEPTH 4205 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG–TH	DELTA–D (DYN–M)
0	10.512	34.150	276.6	26.201	0.000
10	10.512	34.146	280.9	26.197	0.018
20	10.491	34.147	280.8	26.202	0.036
30	10.445	34.152	280.3	26.214	0.054
40	10.430	34.152	279.8	26.216	0.072
50	10.414	34.151	278.9	26.219	0.090
60	10.405	34.151	278.4	26.220	0.108
70	10.359	34.152	277.9	26.229	0.126
80	9.416	34.178	281.6	26.408	0.144
90	8.517	34.179	285.3	26.551	0.159
100	7.849	34.194	287.2	26.663	0.174
110	7.402	34.195	287.9	26.728	0.187
120	7.197	34.216	286.9	26.774	0.200
130	7.130	34.227	287.1	26.792	0.213
140	6.899	34.217	286.9	26.816	0.225
150	6.813	34.228	286.6	26.836	0.238
160	6.698	34.235	285.8	26.857	0.250
170	6.669	34.250	284.7	26.873	0.262
180	6.553	34.251	284.7	26.890	0.274
190	6.495	34.257	285.1	26.902	0.285
200	6.457	34.262	284.8	26.911	0.297
250	6.460	34.291	281.0	26.933	0.355
300	6.375	34.297	274.1	26.949	0.412
350	6.289	34.299	271.5	26.962	0.469
400	6.179	34.297	268.9	26.974	0.526
450	6.044	34.291	267.3	26.987	0.582
500	5.935	34.289	266.1	26.999	0.638
550	5.789	34.282	263.4	27.012	0.694
600	5.633	34.275	261.6	27.026	0.749
650	5.444	34.268	256.9	27.043	0.804
700	5.258	34.261	253.5	27.059	0.858
750	5.106	34.260	246.6	27.076	0.912
800	4.893	34.259	242.1	27.100	0.965
900	4.473	34.272	225.6	27.157	1.067
1000	4.025	34.298	213.1	27.225	1.163
1500	2.685	34.492	167.3	27.508	1.558
2000	2.153	34.637	163.4	27.669	1.852
2500	1.751	34.694	170.5	27.746	2.096
3000	1.448	34.707	178.2	27.779	2.318
3500	1.112	34.711	188.6	27.806	2.528
4000	0.565	34.709	202.6	27.839	2.711
4272	0.437	34.708	206.6	27.846	2.801

CAST CG2-94-DI -043 DATE 11 MAR 94 TIME 0829 GMT

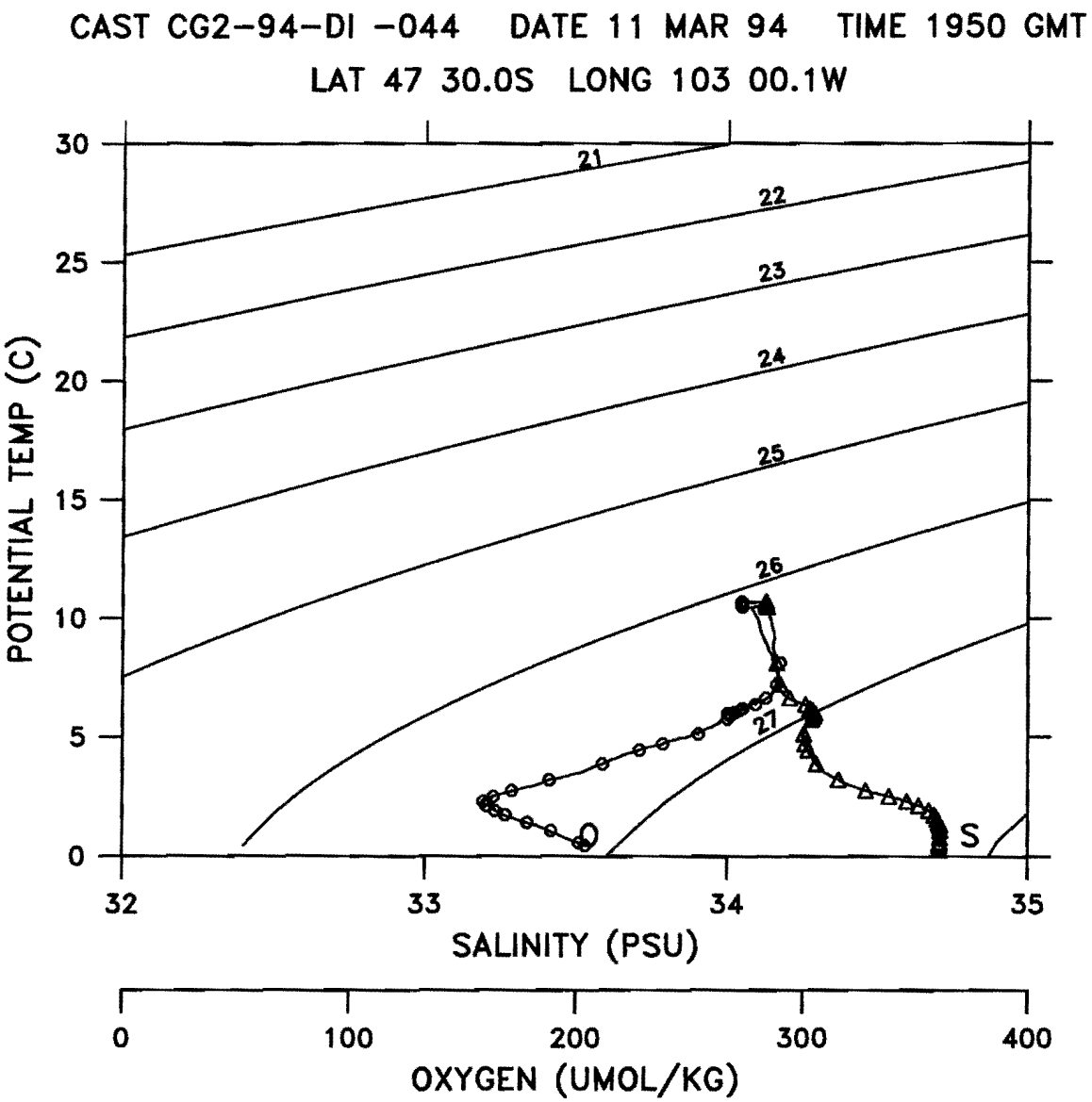
LAT 47 59.8S LONG 103 00.4W

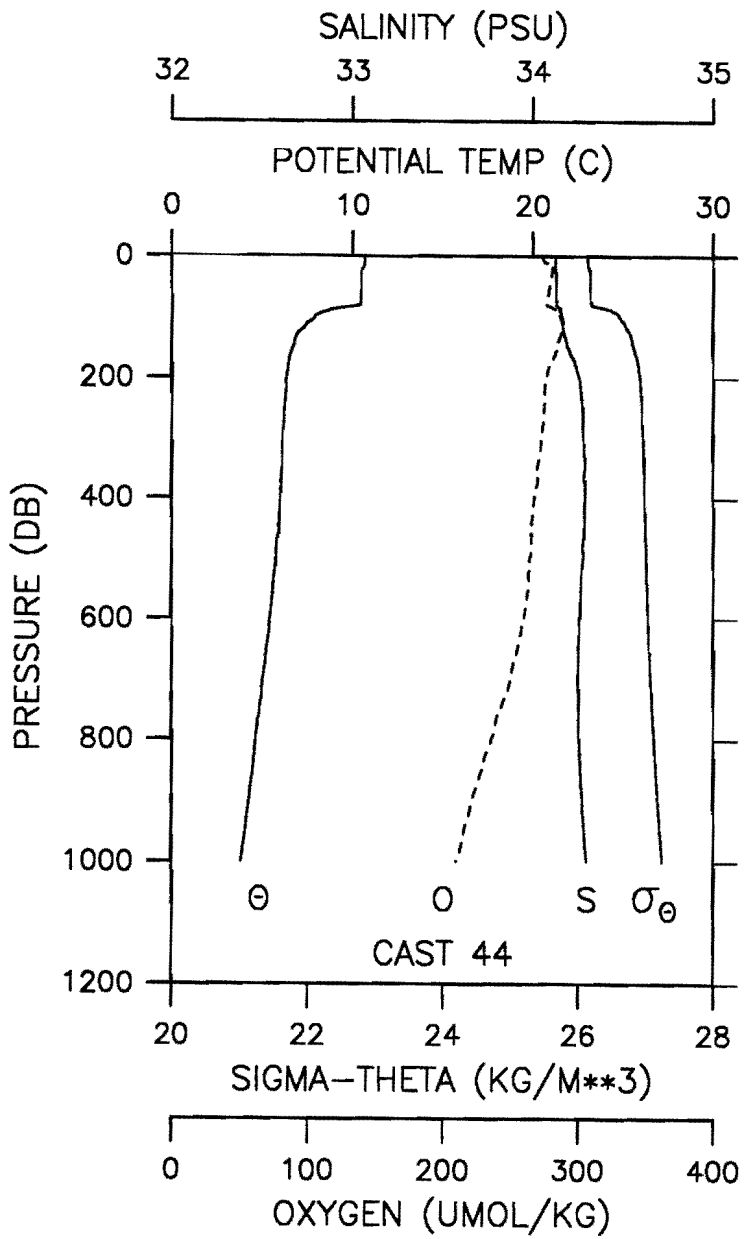




CAST CG2-94-DI -043 DATE 11 MAR 94 TIME 0829 GMT
LAT 47 59.8S LONG 103 00.4W WEATHER 2 SEA STATE 3
BAROMETER 20 WIND DIR 300 T SPD 08 KT VISIBILITY
CLOUD 8 AMOUNT 8 DRY 10.6 WET 09.8 DEPTH 4085 M

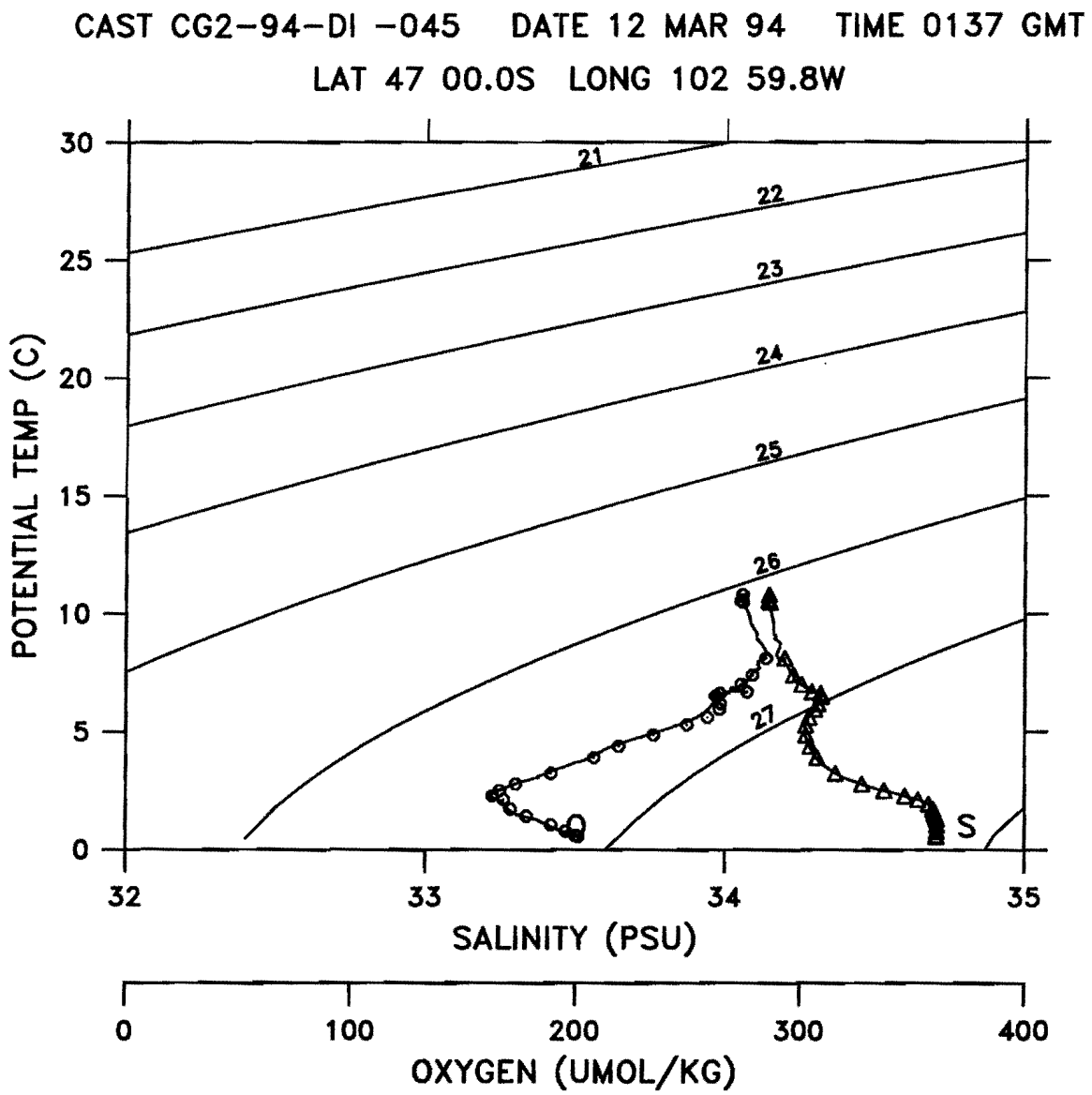
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	10.568	34.135	275.4	26.179	0.000
10	10.567	34.124	274.7	26.170	0.018
20	10.562	34.124	274.8	26.171	0.037
30	10.523	34.123	274.4	26.178	0.055
40	10.510	34.123	274.1	26.180	0.073
50	10.503	34.123	274.0	26.181	0.092
60	10.499	34.124	273.7	26.182	0.110
70	10.486	34.124	273.5	26.185	0.129
80	9.502	34.144	277.7	26.367	0.146
90	7.739	34.195	286.0	26.680	0.161
100	7.590	34.218	285.3	26.720	0.175
110	7.364	34.219	284.8	26.753	0.188
120	7.167	34.213	284.2	26.776	0.201
130	7.002	34.217	285.1	26.802	0.213
140	6.896	34.230	284.8	26.826	0.226
150	6.758	34.241	284.8	26.854	0.238
160	6.624	34.253	284.5	26.881	0.250
170	6.547	34.258	284.7	26.896	0.262
180	6.495	34.262	285.1	26.906	0.273
190	6.462	34.264	285.5	26.912	0.285
200	6.444	34.265	285.9	26.915	0.297
250	6.448	34.285	286.0	26.930	0.354
300	6.457	34.296	285.2	26.937	0.412
350	6.455	34.300	284.3	26.941	0.470
400	6.443	34.303	282.7	26.945	0.528
450	6.417	34.307	279.0	26.951	0.586
500	6.332	34.304	274.3	26.960	0.644
550	6.201	34.297	271.8	26.972	0.702
600	6.017	34.289	266.9	26.989	0.759
650	5.850	34.284	263.6	27.006	0.816
700	5.627	34.273	259.1	27.025	0.872
750	5.347	34.261	254.8	27.049	0.928
800	5.091	34.259	247.6	27.078	0.982
900	4.608	34.268	231.8	27.139	1.086
1000	4.128	34.285	218.7	27.205	1.184
1500	2.699	34.498	164.7	27.511	1.582
2000	2.159	34.633	161.4	27.665	1.878
2500	1.764	34.693	169.6	27.744	2.124
3000	1.452	34.705	176.6	27.777	2.346
3500	1.118	34.712	187.6	27.806	2.557
4000	0.585	34.709	200.9	27.838	2.741
4171	0.480	34.708	204.2	27.844	2.798

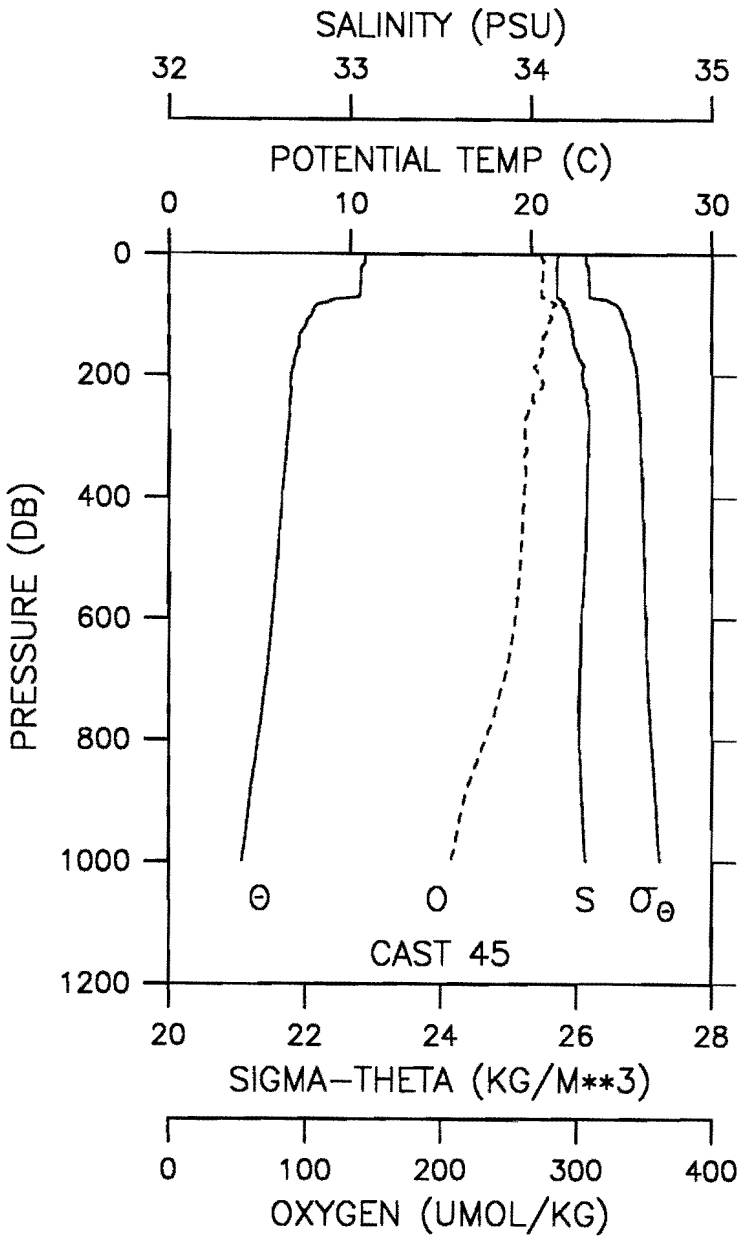

CAST CG2-94-DI -044 DATE 11 MAR 94 TIME 1950 GMT
LAT 47 30.0S LONG 103 00.1W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
O
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)



CAST CG2-94-DI -044 DATE 11 MAR 94 TIME 1950 GMT
LAT 47 30.0S LONG 103 00.1W WEATHER 2 SEA STATE 4
BAROMETER 18 WIND DIR 020 T SPD 18 KT VISIBILITY 7
CLOUD 6 AMOUNT 7 DRY 12.9 WET 11.1 DEPTH 4300 M

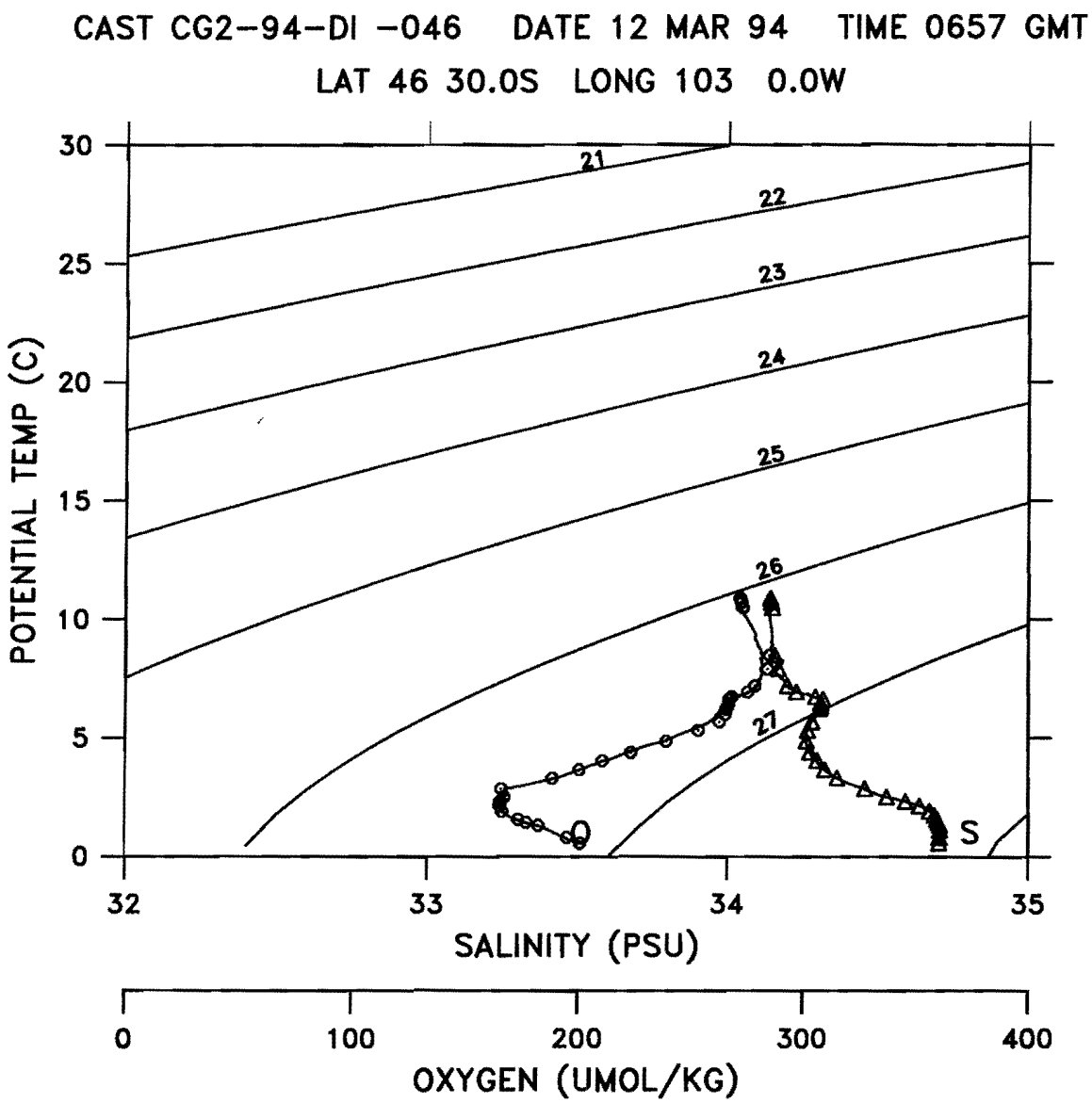
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	10.682	34.128	273.9	26.154	0.000
10	10.676	34.126	276.0	26.153	0.019
20	10.625	34.127	281.3	26.163	0.037
30	10.521	34.128	280.7	26.182	0.055
40	10.514	34.130	280.0	26.185	0.074
50	10.503	34.132	279.2	26.188	0.092
60	10.480	34.132	278.7	26.192	0.110
70	10.466	34.132	277.7	26.194	0.129
80	10.430	34.132	277.3	26.201	0.147
90	8.665	34.152	284.8	26.507	0.163
100	7.912	34.154	288.2	26.623	0.178
110	7.498	34.167	288.4	26.693	0.192
120	7.203	34.169	288.3	26.736	0.205
130	6.914	34.178	287.2	26.783	0.218
140	6.795	34.185	285.5	26.805	0.231
150	6.697	34.195	285.2	26.826	0.243
160	6.601	34.208	283.4	26.849	0.256
170	6.491	34.227	281.5	26.879	0.268
180	6.441	34.239	279.4	26.895	0.280
190	6.399	34.248	277.6	26.907	0.291
200	6.350	34.259	276.7	26.922	0.303
250	6.243	34.276	275.2	26.949	0.360
300	6.151	34.283	273.2	26.967	0.416
350	6.099	34.290	270.0	26.979	0.472
400	6.005	34.290	267.7	26.991	0.528
450	5.911	34.287	265.7	27.000	0.584
500	5.758	34.279	264.4	27.013	0.639
550	5.592	34.269	263.1	27.026	0.694
600	5.430	34.260	260.0	27.038	0.749
650	5.236	34.254	255.3	27.057	0.803
700	5.039	34.250	250.0	27.076	0.856
750	4.869	34.256	242.9	27.100	0.908
800	4.648	34.258	235.9	27.127	0.960
900	4.260	34.273	221.5	27.181	1.059
1000	3.823	34.298	209.8	27.246	1.153
1500	2.643	34.499	168.3	27.517	1.540
2000	2.131	34.640	161.2	27.672	1.829
2500	1.734	34.692	168.1	27.745	2.072
3000	1.432	34.706	177.3	27.779	2.293
3500	1.077	34.710	187.9	27.808	2.502
4000	0.580	34.709	201.1	27.838	2.685
4321	0.448	34.707	205.7	27.845	2.791

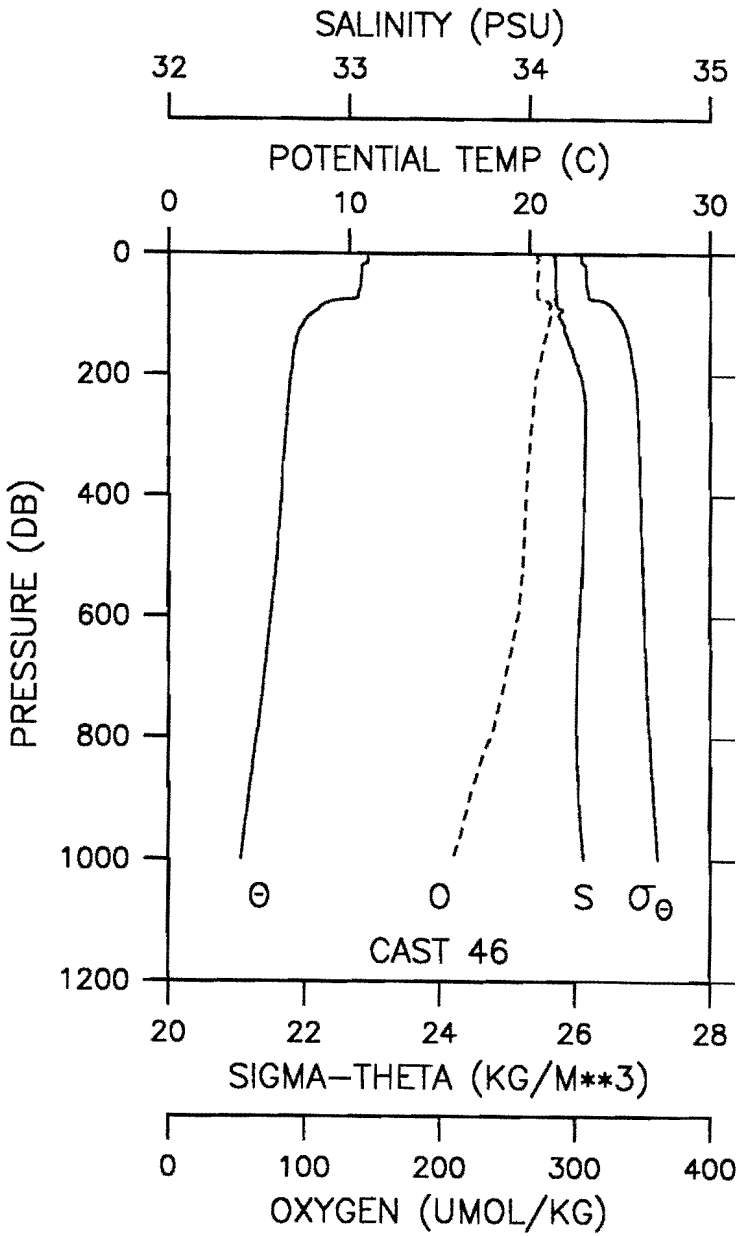

CAST CG2-94-DI -045 DATE 12 MAR 94 TIME 0137 GMT
LAT 47 00.0S LONG 102 59.8W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
O
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)



CAST CG2-94-DI -045 DATE 12 MAR 94 TIME 0137 GMT
LAT 47 00.0S LONG 102 59.8W WEATHER 2 SEA STATE 4
BAROMETER 16 WIND DIR 010 T SPD 20 KT VISIBILITY 7
CLOUD 8 AMOUNT 8 DRY 12.8 WET 11.7 DEPTH 4017 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	10.811	34.151	274.0	26.149	0.000
10	10.804	34.147	275.4	26.146	0.019
20	10.617	34.143	276.4	26.176	0.037
30	10.584	34.144	275.3	26.183	0.055
40	10.572	34.144	275.1	26.185	0.074
50	10.548	34.144	274.7	26.189	0.092
60	10.532	34.144	274.5	26.192	0.110
70	10.512	34.144	274.4	26.196	0.129
80	8.736	34.184	282.7	26.521	0.145
90	8.006	34.194	281.4	26.640	0.160
100	7.854	34.207	280.9	26.673	0.173
110	7.615	34.214	280.6	26.713	0.187
120	7.480	34.221	278.8	26.738	0.200
130	7.241	34.229	278.0	26.778	0.213
140	7.176	34.234	275.2	26.791	0.226
150	7.161	34.237	274.6	26.796	0.239
160	7.052	34.249	274.9	26.820	0.251
170	6.929	34.263	273.1	26.848	0.264
180	6.881	34.283	270.7	26.871	0.276
190	6.788	34.287	270.2	26.886	0.288
200	6.705	34.284	274.0	26.895	0.299
250	6.649	34.315	266.9	26.927	0.358
300	6.521	34.320	261.9	26.948	0.415
350	6.366	34.312	262.9	26.962	0.472
400	6.228	34.310	261.5	26.978	0.529
450	6.102	34.306	260.2	26.992	0.585
500	5.958	34.299	258.9	27.004	0.641
550	5.811	34.290	257.1	27.016	0.696
600	5.673	34.282	254.9	27.026	0.752
650	5.508	34.274	251.7	27.040	0.807
700	5.325	34.268	247.1	27.057	0.861
750	5.118	34.265	240.6	27.079	0.915
800	4.881	34.267	232.8	27.108	0.967
900	4.411	34.281	217.4	27.171	1.068
1000	3.975	34.301	207.6	27.233	1.164
1500	2.636	34.496	168.8	27.515	1.554
2000	2.153	34.644	165.5	27.674	1.844
2500	1.724	34.696	169.6	27.749	2.085
3000	1.427	34.707	176.5	27.780	2.305
3500	1.058	34.710	187.5	27.809	2.512
4000	0.601	34.709	199.3	27.837	2.694
4096	0.567	34.709	200.2	27.839	2.727


CAST CG2-94-DI -046 DATE 12 MAR 94 TIME 0657 GMT
LAT 46 30.0S LONG 103 0.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
O
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

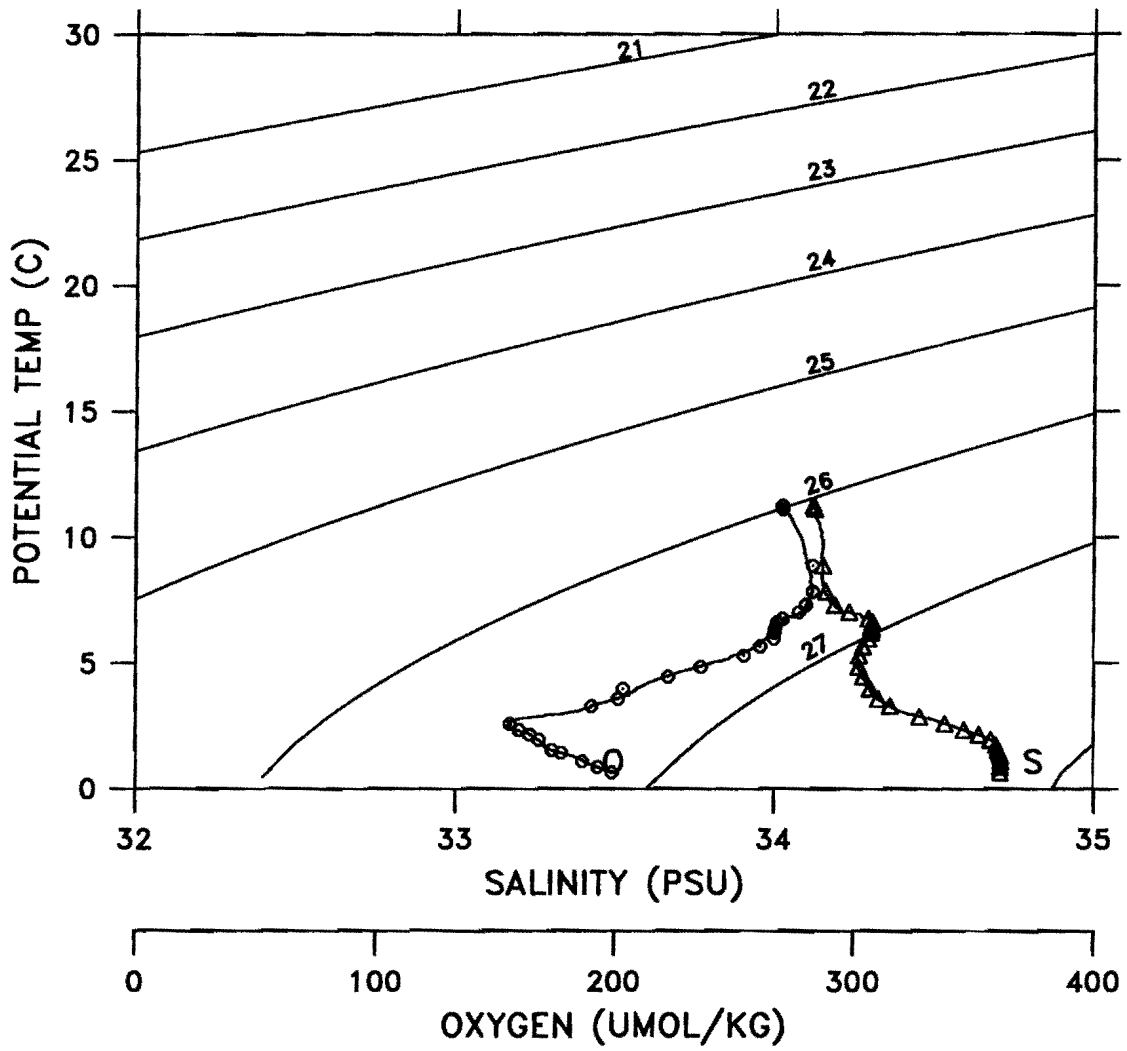


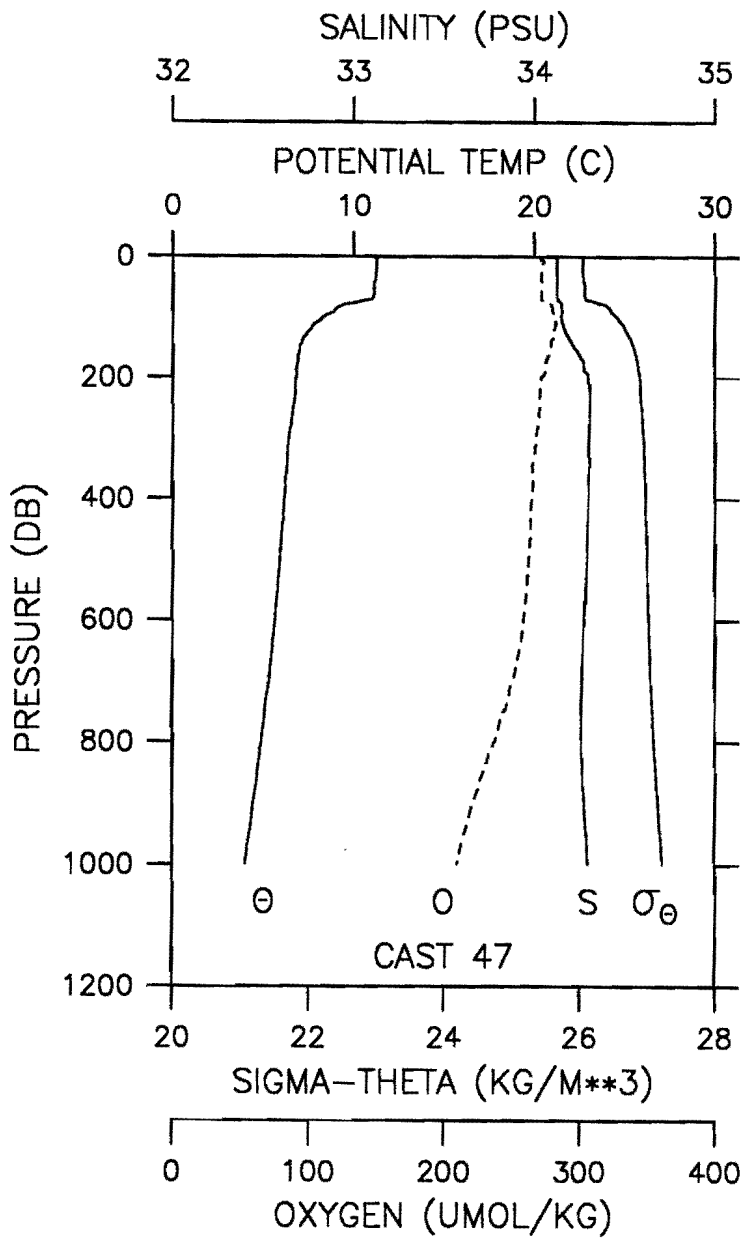
CAST CG2-94-DI -046 DATE 12 MAR 94 TIME 0657 GMT
LAT 46 30.0S LONG 103 0.0W WEATHER 1 SEA STATE 2
BAROMETER 13 WIND DIR 20 T SPD 26 KT VISIBILITY 8
CLOUD 6 AMOUNT 3 DRY 12.7 WET 12.0 DEPTH 3854 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	11.030	34.136	271.9	26.098	0.000
10	11.034	34.139	273.0	26.099	0.019
20	10.681	34.144	273.5	26.166	0.038
30	10.673	34.145	272.8	26.168	0.056
40	10.660	34.145	272.6	26.171	0.075
50	10.637	34.145	272.4	26.175	0.093
60	10.559	34.146	272.4	26.189	0.112
70	10.485	34.146	272.4	26.202	0.130
80	8.803	34.144	280.8	26.479	0.147
90	8.312	34.168	281.5	26.574	0.162
100	7.880	34.163	281.3	26.635	0.176
110	7.525	34.177	281.5	26.697	0.190
120	7.349	34.193	280.7	26.734	0.203
130	7.188	34.194	279.3	26.758	0.217
140	7.077	34.210	277.6	26.786	0.229
150	6.993	34.222	276.9	26.807	0.242
160	6.919	34.237	275.9	26.829	0.255
170	6.881	34.244	274.9	26.840	0.267
180	6.846	34.258	274.0	26.855	0.279
190	6.821	34.268	272.7	26.866	0.291
200	6.759	34.283	271.7	26.887	0.303
250	6.598	34.309	269.5	26.929	0.361
300	6.457	34.309	267.5	26.948	0.419
350	6.312	34.305	265.5	26.964	0.476
400	6.225	34.304	263.8	26.974	0.532
450	6.106	34.301	263.0	26.987	0.589
500	5.968	34.295	262.0	27.000	0.645
550	5.813	34.287	260.4	27.013	0.701
600	5.625	34.276	257.7	27.028	0.756
650	5.455	34.269	253.7	27.042	0.811
700	5.272	34.263	249.0	27.060	0.865
750	5.079	34.260	243.8	27.080	0.919
800	4.835	34.260	237.7	27.107	0.971
900	4.411	34.272	222.4	27.164	1.072
1000	3.995	34.298	210.0	27.229	1.168
1500	2.659	34.493	167.3	27.511	1.559
2000	2.150	34.641	165.5	27.672	1.850
2500	1.734	34.692	168.9	27.746	2.092
3000	1.451	34.706	175.9	27.777	2.314
3500	1.111	34.711	187.5	27.806	2.524
3914	0.579	34.709	201.2	27.837	2.677

CAST CG2-94-DI -047 DATE 12 MAR 94 TIME 1305 GMT

LAT 46 00.0S LONG 103 00.0W



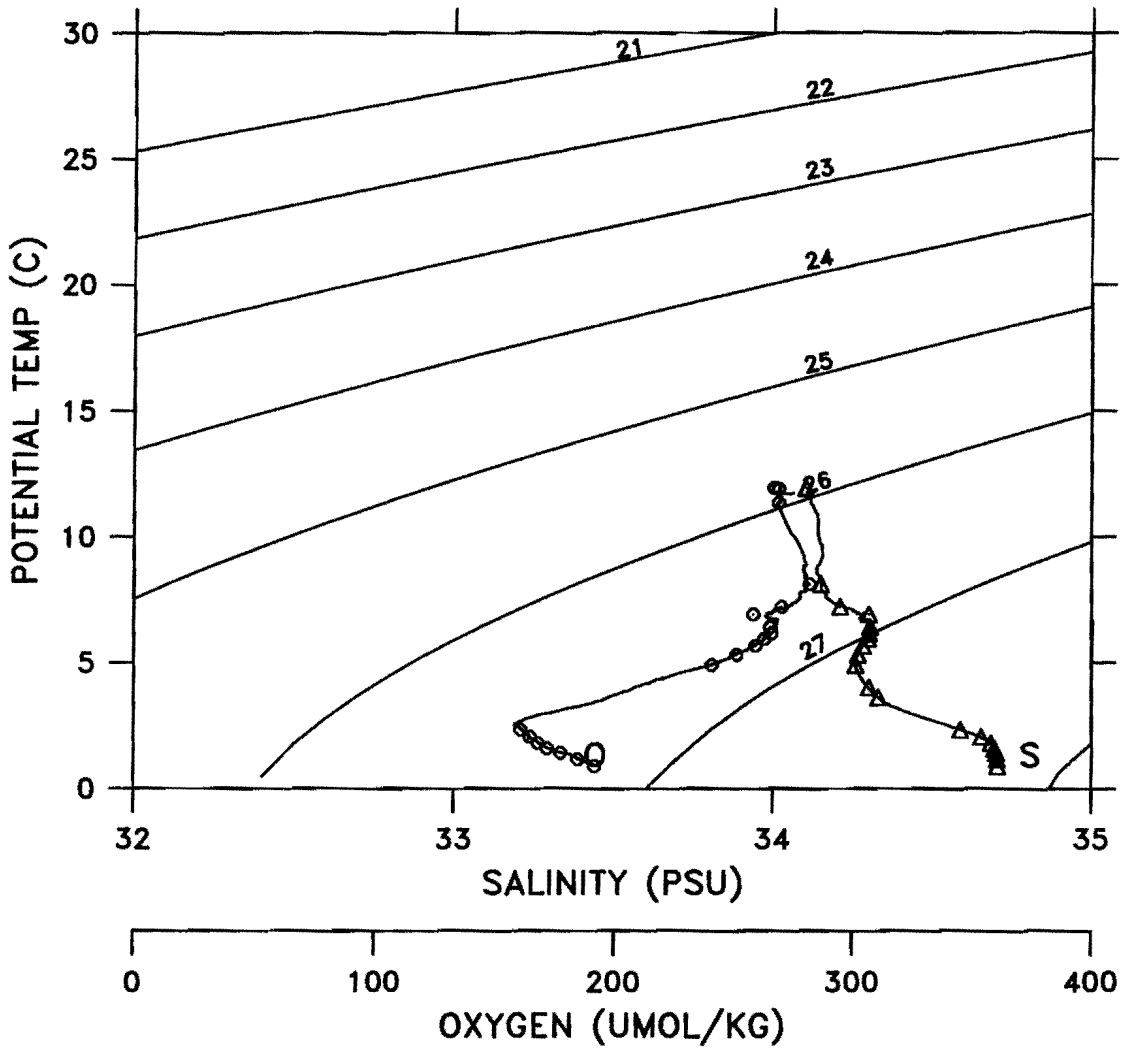


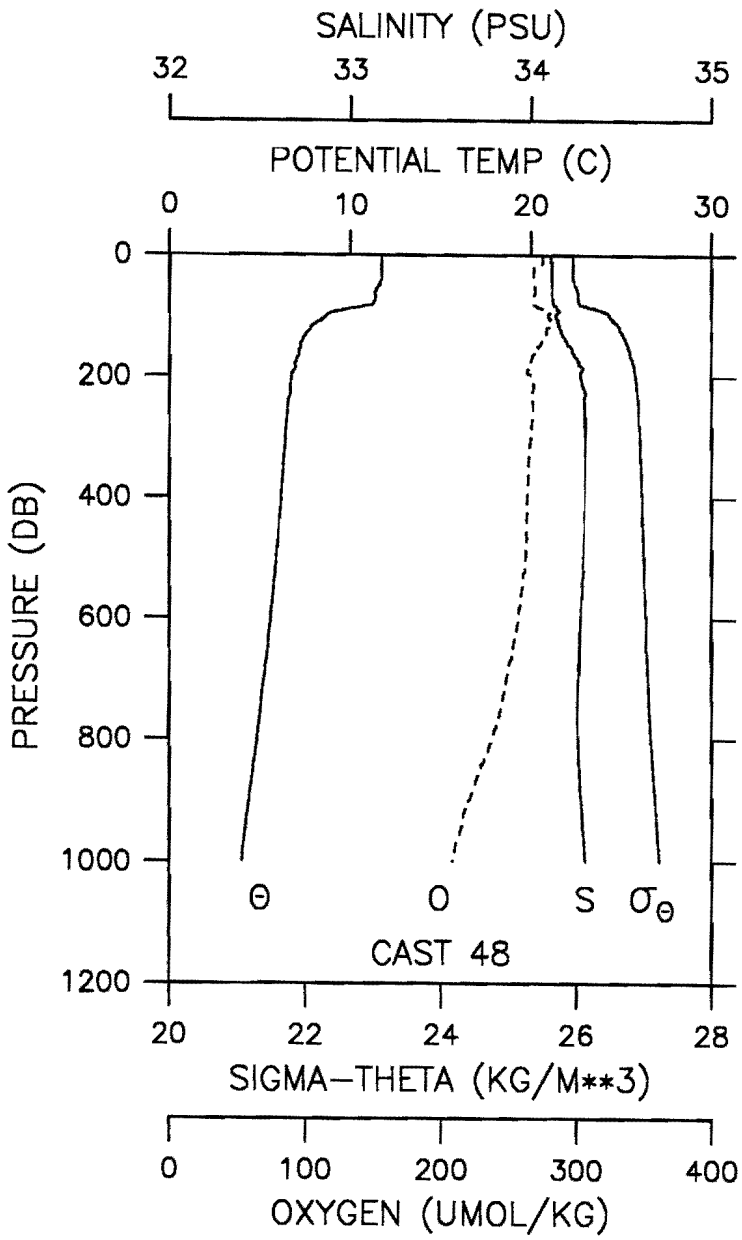
CAST CG2-94-DI -047 DATE 12 MAR 94 TIME 1305 GMT
LAT 46 00.0S LONG 103 00.0W WEATHER 2 SEA STATE 4
BAROMETER 07 WIND DIR 025 T SPD 27 KT VISIBILITY 6
CLOUD 3 AMOUNT 7 DRY 13.5 WET 12.8 DEPTH 4437 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	11.263	34.127	271.2	26.049	0.000
10	11.263	34.125	273.6	26.047	0.020
20	11.260	34.125	272.2	26.048	0.039
30	11.227	34.125	272.2	26.053	0.059
40	11.197	34.126	272.1	26.060	0.078
50	11.116	34.128	272.1	26.076	0.098
60	11.108	34.128	272.0	26.077	0.117
70	11.013	34.130	272.0	26.096	0.136
80	9.351	34.150	279.4	26.396	0.154
90	8.933	34.152	280.4	26.465	0.170
100	8.286	34.151	281.9	26.564	0.185
110	7.866	34.157	282.7	26.632	0.200
120	7.635	34.168	281.3	26.674	0.214
130	7.365	34.185	280.7	26.726	0.227
140	7.141	34.204	279.2	26.773	0.240
150	7.017	34.220	279.0	26.803	0.253
160	6.972	34.244	277.7	26.828	0.266
170	6.944	34.269	275.7	26.851	0.278
180	6.867	34.274	274.0	26.865	0.290
190	6.821	34.285	274.8	26.880	0.302
200	6.822	34.299	271.8	26.891	0.314
250	6.656	34.309	270.8	26.921	0.372
300	6.405	34.301	268.3	26.949	0.430
350	6.291	34.304	265.5	26.966	0.487
400	6.171	34.302	264.8	26.980	0.543
450	6.040	34.296	264.2	26.992	0.599
500	5.928	34.294	262.8	27.004	0.655
550	5.801	34.285	261.5	27.013	0.711
600	5.644	34.277	258.8	27.026	0.766
650	5.483	34.269	255.6	27.039	0.821
700	5.309	34.264	250.3	27.056	0.876
750	5.078	34.261	243.7	27.080	0.929
800	4.912	34.263	236.8	27.101	0.982
900	4.460	34.277	221.5	27.162	1.084
1000	4.014	34.298	209.6	27.226	1.179
1500	2.712	34.506	157.3	27.517	1.571
2000	2.155	34.640	164.7	27.671	1.864
2500	1.741	34.694	170.5	27.747	2.108
3000	1.426	34.706	177.7	27.780	2.328
3500	1.073	34.709	187.2	27.807	2.537
3975	0.639	34.709	199.3	27.834	2.715

CAST CG2-94-DI -048 DATE 12 MAR 94 TIME 2125 GMT

LAT 45 28.9S LONG 102 58.4W



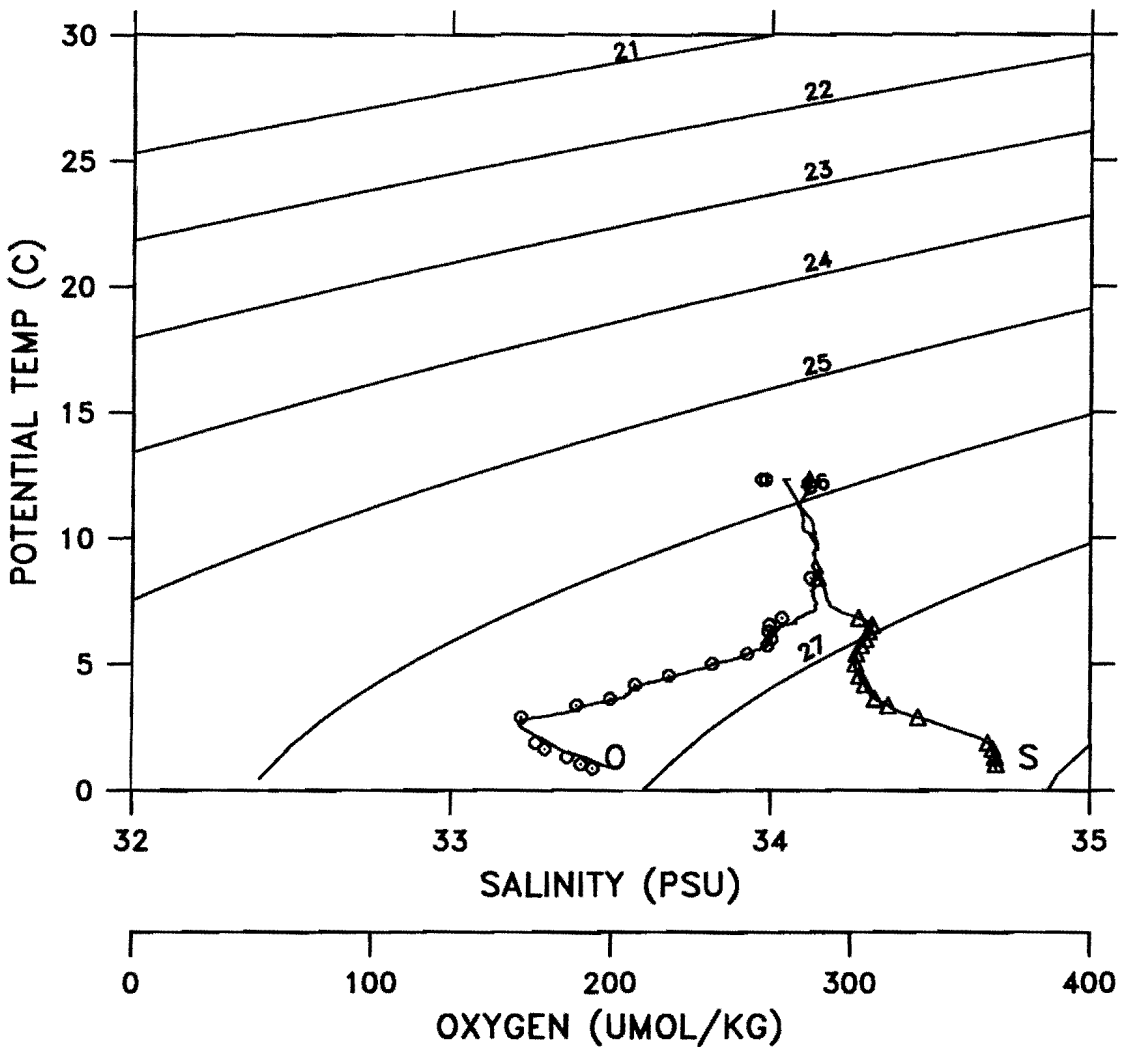


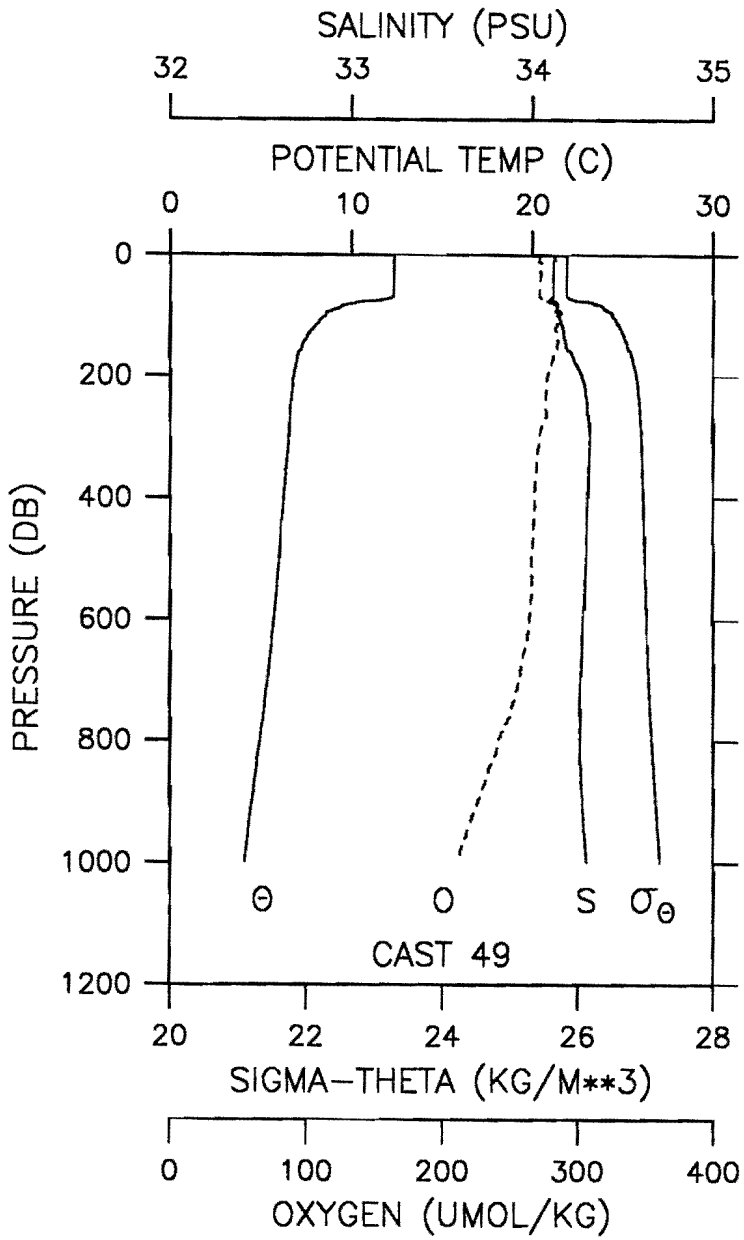
CAST CG2-94-DI -048 DATE 12 MAR 94 TIME 2125 GMT
LAT 45 28.9S LONG 102 58.4W WEATHER 5 SEA STATE 5
BAROMETER 97 WIND DIR 005 T SPD 40 KT VISIBILITY 5
CLOUD 7 AMOUNT 8 DRY 15.0 WET 14.2 DEPTH 4035 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	11.732	34.111	275.3	25.950	0.000
10	11.733	34.111	275.3	25.950	0.020
20	11.716	34.115	268.8	25.955	0.041
30	11.723	34.114	268.7	25.954	0.061
40	11.709	34.115	268.9	25.957	0.082
50	11.559	34.119	269.3	25.988	0.102
60	11.368	34.118	269.8	26.022	0.122
70	11.364	34.118	268.7	26.023	0.142
80	11.242	34.124	268.9	26.050	0.162
90	9.632	34.155	277.8	26.354	0.180
100	8.659	34.137	279.3	26.496	0.196
110	8.166	34.152	281.1	26.583	0.211
120	7.799	34.160	278.4	26.644	0.226
130	7.534	34.174	277.9	26.694	0.240
140	7.361	34.194	275.0	26.733	0.253
150	7.265	34.217	271.6	26.766	0.266
160	7.150	34.228	269.9	26.790	0.279
170	7.057	34.252	266.9	26.822	0.291
180	6.959	34.264	265.7	26.845	0.304
190	6.872	34.280	264.2	26.870	0.316
200	6.740	34.275	267.3	26.884	0.328
250	6.548	34.297	268.1	26.926	0.386
300	6.411	34.300	266.6	26.947	0.444
350	6.292	34.303	264.9	26.965	0.501
400	6.178	34.302	264.0	26.978	0.557
450	6.051	34.298	263.1	26.991	0.613
500	5.910	34.292	262.9	27.004	0.669
550	5.754	34.285	260.3	27.019	0.725
600	5.579	34.276	257.0	27.033	0.780
650	5.437	34.269	253.3	27.044	0.834
700	5.219	34.262	248.6	27.065	0.888
750	5.023	34.258	244.7	27.085	0.942
800	4.842	34.260	238.1	27.107	0.994
900	4.405	34.277	220.5	27.169	1.095
1000	3.994	34.301	208.6	27.231	1.190
1500	2.719	34.498	162.4	27.510	1.583
2000	2.160	34.636	164.6	27.667	1.878
2500	1.729	34.691	170.1	27.745	2.122
3000	1.425	34.706	178.8	27.780	2.343
3500	1.034	34.708	189.0	27.809	2.551
3792	0.891	34.708	192.0	27.818	2.663

CAST CG2-94-DI -049 DATE 13 MAR 94 TIME 0441 GMT

LAT 45 00.1S LONG 102 59.9W



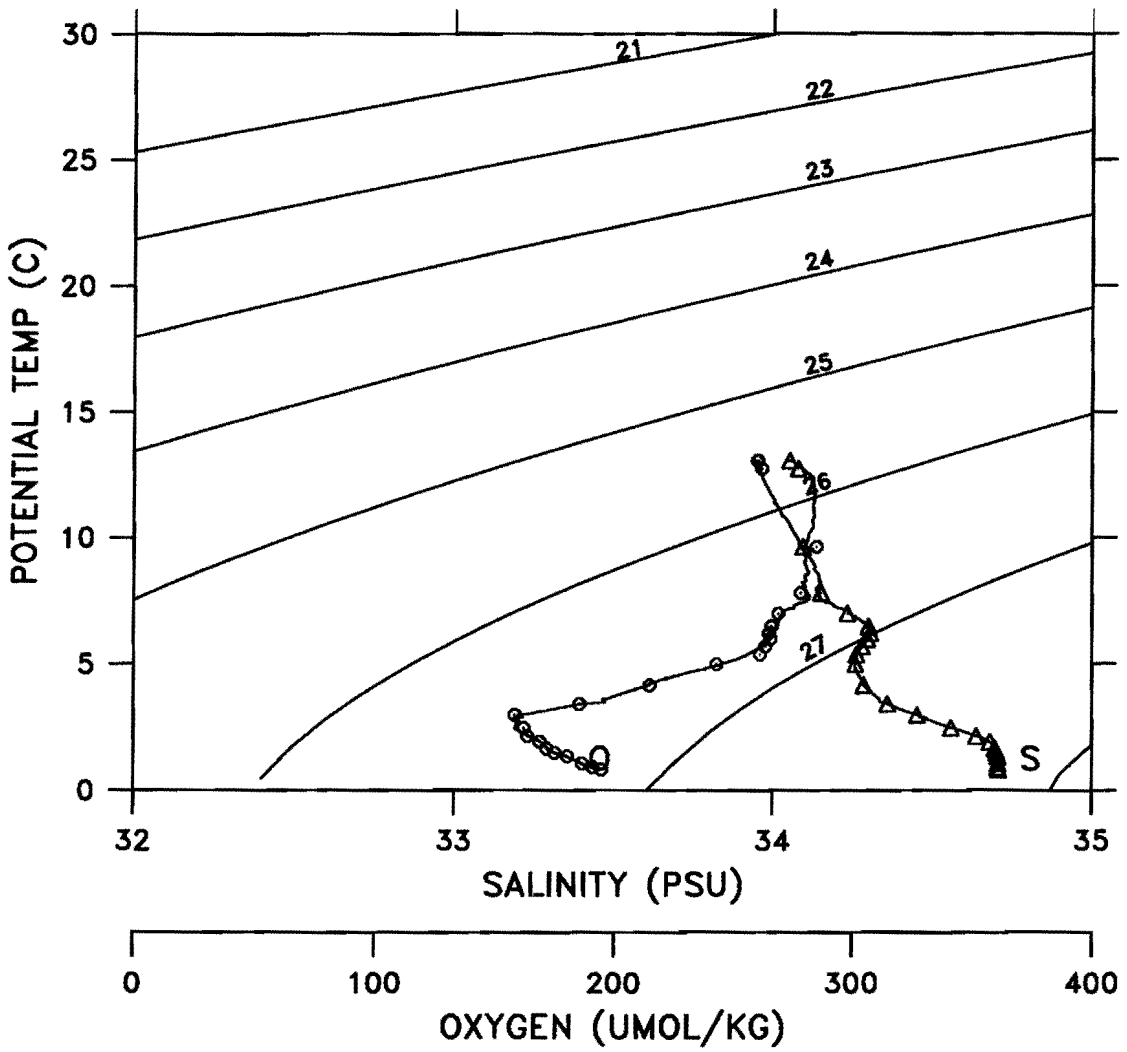


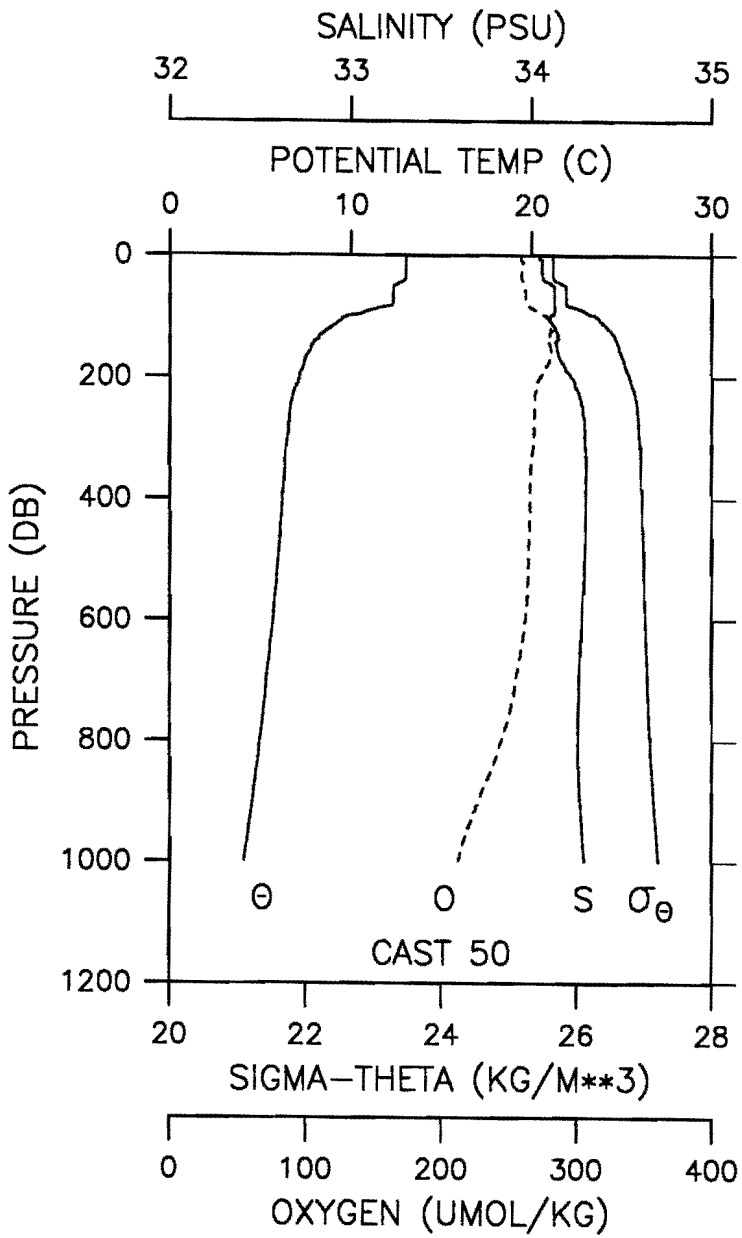
CAST CG2-94-DI -049 DATE 13 MAR 94 TIME 0441 GMT
LAT 45 00.1S LONG 102 59.9W WEATHER 4 SEA STATE 4
BAROMETER 98 WIND DIR 345 T SPD 18 KT VISIBILITY 0
CLOUD 6 AMOUNT 8 DRY 13.1 WET 13.1 DEPTH 3740 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	12.342	34.126	272.0	25.845	0.000
10	12.339	34.117	271.6	25.839	0.021
20	12.340	34.117	272.8	25.839	0.043
30	12.335	34.117	272.8	25.840	0.065
40	12.336	34.117	272.6	25.840	0.086
50	12.334	34.117	272.4	25.840	0.108
60	12.323	34.116	272.1	25.841	0.129
70	12.208	34.111	272.6	25.859	0.151
80	10.157	34.119	284.3	26.238	0.171
90	9.051	34.135	285.5	26.433	0.187
100	8.580	34.143	284.5	26.514	0.203
110	8.220	34.154	284.5	26.577	0.218
120	7.925	34.167	283.6	26.631	0.232
130	7.650	34.172	284.3	26.675	0.246
140	7.455	34.179	285.4	26.709	0.260
150	7.294	34.183	284.8	26.735	0.273
160	7.104	34.213	284.6	26.785	0.286
170	7.018	34.228	282.3	26.809	0.299
180	6.966	34.240	280.8	26.825	0.311
190	6.886	34.261	279.2	26.852	0.324
200	6.832	34.273	277.8	26.869	0.336
250	6.644	34.303	276.5	26.918	0.395
300	6.545	34.319	272.0	26.944	0.453
350	6.388	34.310	269.7	26.958	0.510
400	6.270	34.306	268.3	26.970	0.567
450	6.137	34.302	267.4	26.984	0.623
500	6.024	34.299	265.9	26.996	0.679
550	5.879	34.290	266.2	27.007	0.735
600	5.715	34.281	264.4	27.020	0.791
650	5.562	34.274	261.2	27.034	0.846
700	5.380	34.267	256.3	27.049	0.901
750	5.177	34.261	251.0	27.069	0.955
800	4.957	34.263	241.6	27.096	1.008
900	4.525	34.278	226.0	27.156	1.111
1000	4.125	34.299	211.0	27.215	1.208
1500	2.745	34.501	162.3	27.510	1.605
2000	2.144	34.639	169.1	27.671	1.898
2500	1.709	34.695	177.2	27.750	2.139
3000	1.424	34.705	184.8	27.779	2.359
3500	1.040	34.708	195.6	27.808	2.567
3810	0.879	34.708	201.7	27.819	2.686

CAST CG2-94-DI -050 DATE 13 MAR 94 TIME 1102 GMT

LAT 44 29.5S LONG 102 59.7W



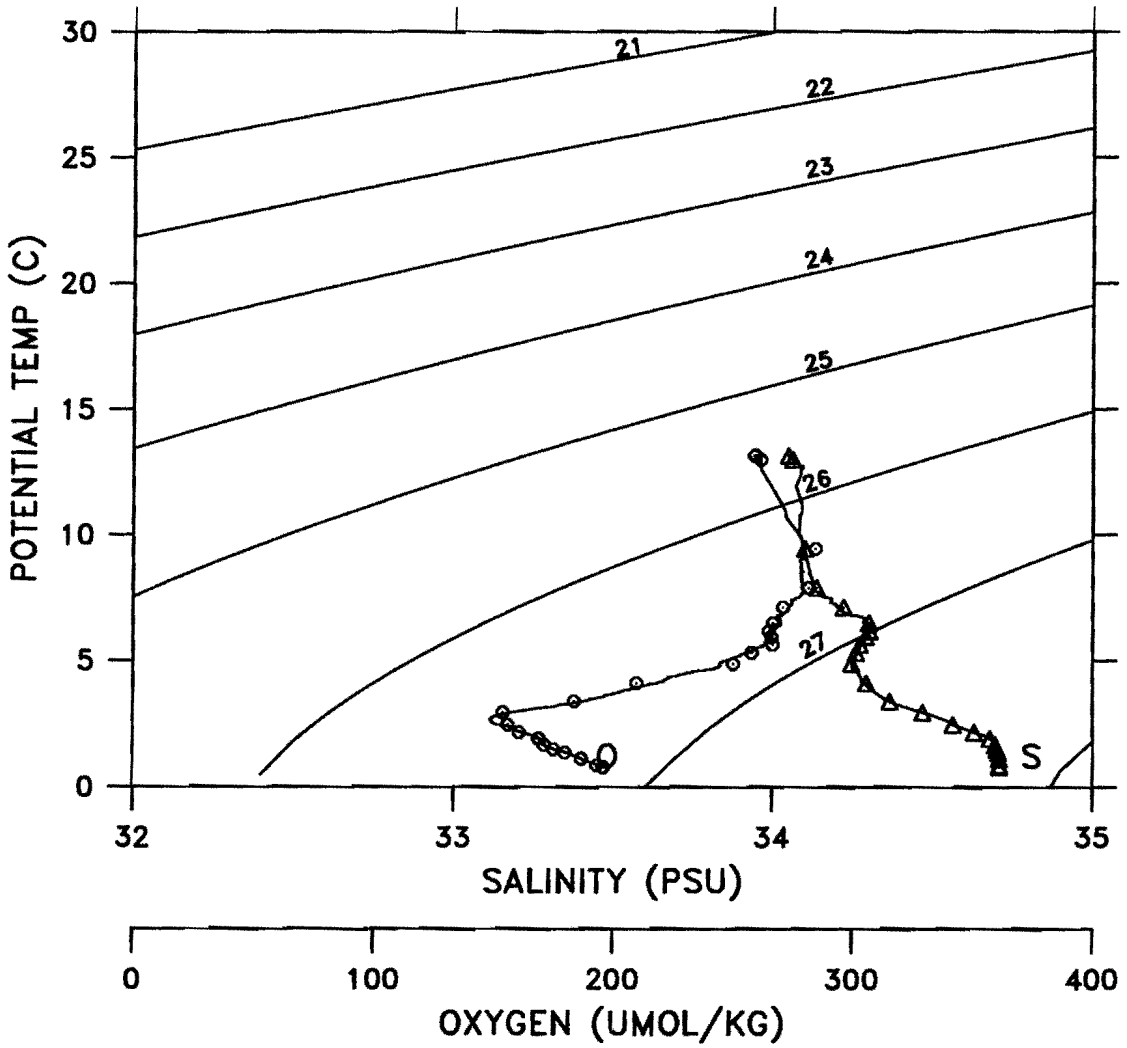


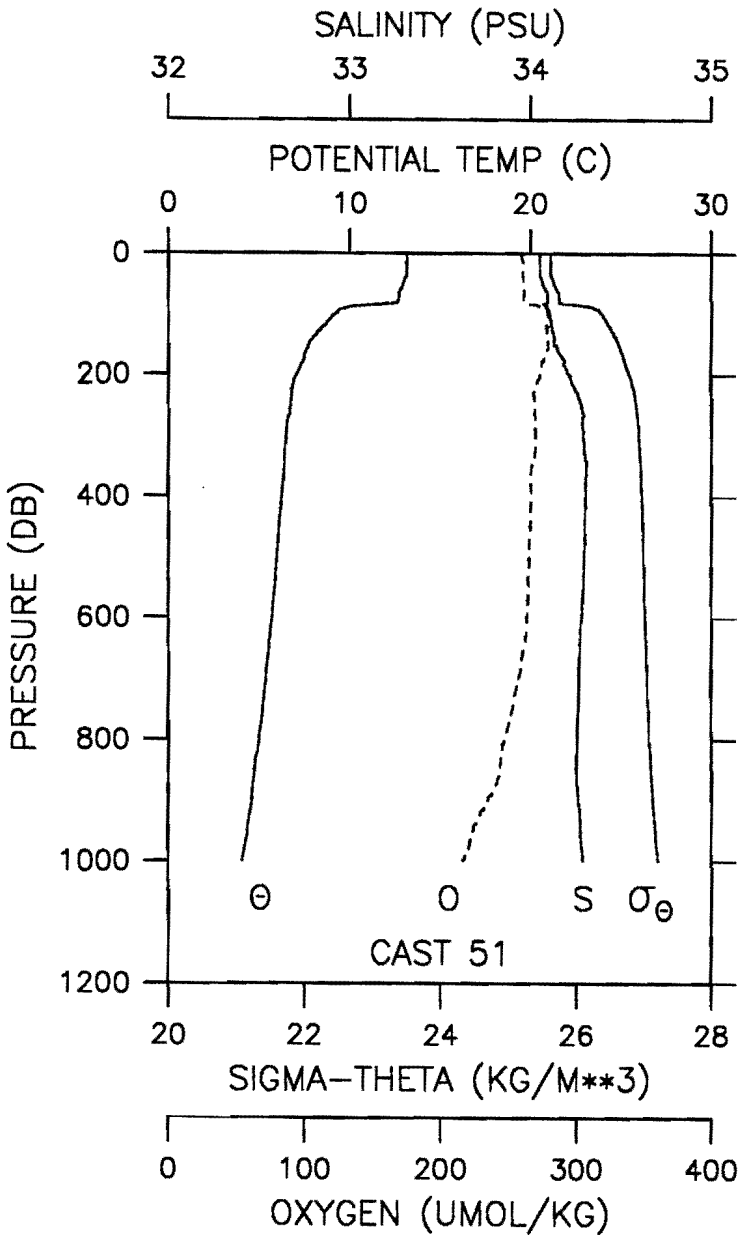
CAST CG2-94-DI -050 DATE 13 MAR 94 TIME 1102 GMT
LAT 44 29.5S LONG 102 59.7W WEATHER 4 SEA STATE 5
BAROMETER 96 WIND DIR 350 T SPD 20 KT VISIBILITY 4
CLOUD X AMOUNT 9 DRY 14.0 WET 13.7 DEPTH 3900 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	13.060	34.046	258.9	25.643	0.000
10	13.060	34.059	260.1	25.653	0.023
20	13.060	34.059	259.3	25.653	0.047
30	13.058	34.060	259.4	25.654	0.070
40	12.986	34.068	259.7	25.674	0.093
50	12.373	34.129	262.2	25.842	0.116
60	12.343	34.128	262.1	25.847	0.137
70	12.335	34.128	262.2	25.848	0.159
80	12.318	34.128	262.5	25.852	0.181
90	11.097	34.128	269.5	26.080	0.201
100	9.792	34.106	277.8	26.289	0.220
110	9.304	34.111	280.1	26.373	0.237
120	8.849	34.132	280.6	26.463	0.253
130	8.358	34.146	280.3	26.550	0.268
140	8.036	34.142	280.5	26.595	0.283
150	7.806	34.142	280.9	26.629	0.298
160	7.672	34.147	282.1	26.652	0.312
170	7.478	34.160	280.8	26.690	0.326
180	7.407	34.180	278.8	26.716	0.339
190	7.273	34.192	275.7	26.744	0.353
200	7.164	34.222	272.9	26.783	0.366
250	6.676	34.284	268.9	26.899	0.427
300	6.493	34.297	268.5	26.933	0.485
350	6.350	34.304	266.4	26.958	0.543
400	6.222	34.302	266.0	26.973	0.600
450	6.112	34.302	265.4	26.987	0.656
500	5.988	34.297	264.7	26.999	0.712
550	5.853	34.290	264.1	27.010	0.768
600	5.719	34.282	262.4	27.021	0.823
650	5.528	34.273	259.1	27.036	0.879
700	5.330	34.263	254.9	27.053	0.933
750	5.172	34.260	251.3	27.069	0.987
800	4.965	34.259	244.4	27.092	1.041
900	4.565	34.270	227.1	27.145	1.144
1000	4.104	34.293	212.5	27.213	1.241
1500	2.757	34.495	160.2	27.504	1.640
2000	2.153	34.639	164.3	27.670	1.935
2500	1.745	34.695	171.4	27.747	2.180
3000	1.430	34.705	177.1	27.778	2.401
3500	1.055	34.708	186.9	27.807	2.609
3847	0.822	34.709	193.9	27.823	2.742

CAST CG2-94-DI -051 DATE 13 MAR 94 TIME 1739 GMT

LAT 43 59.2S LONG 102 59.8W



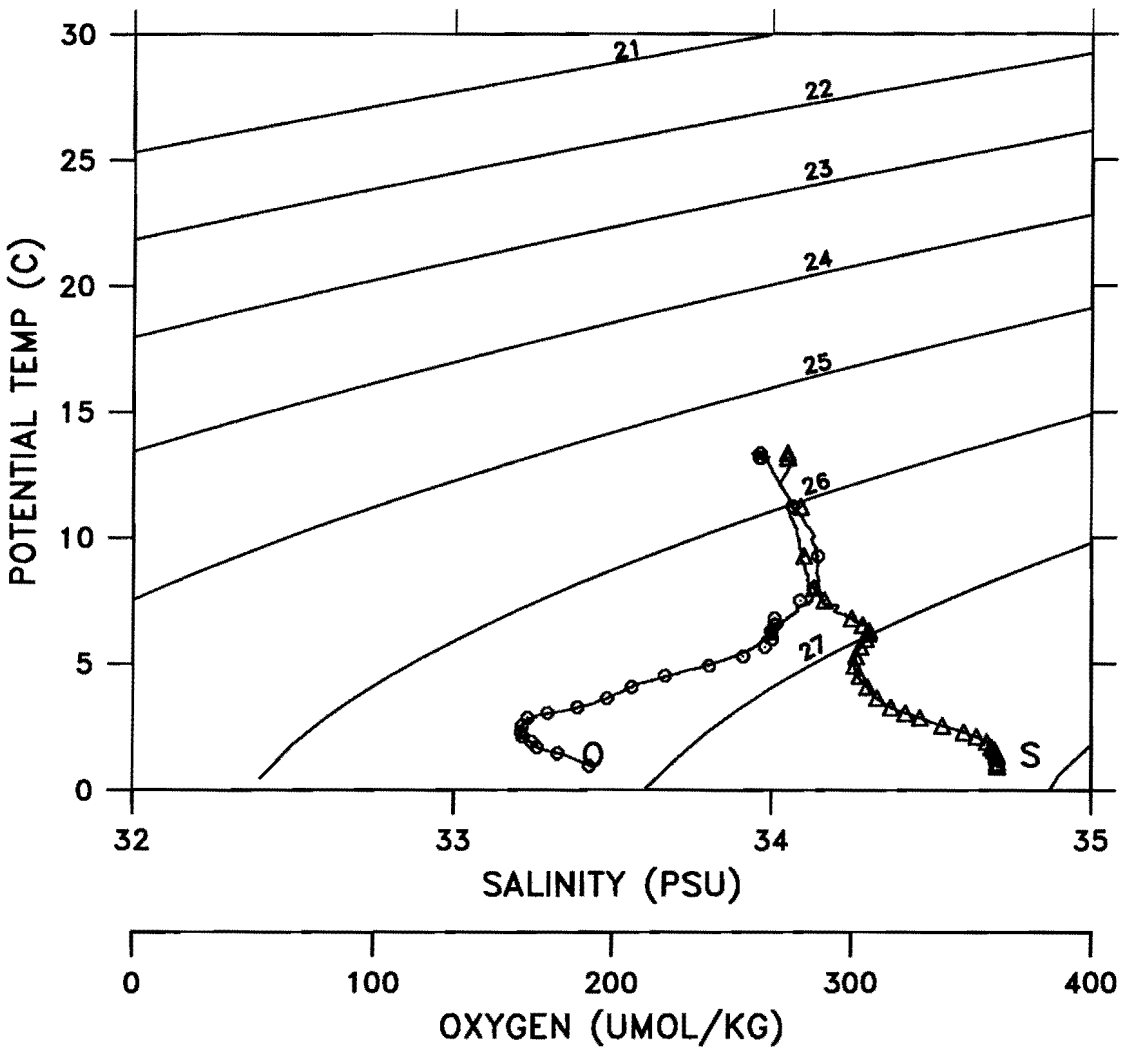


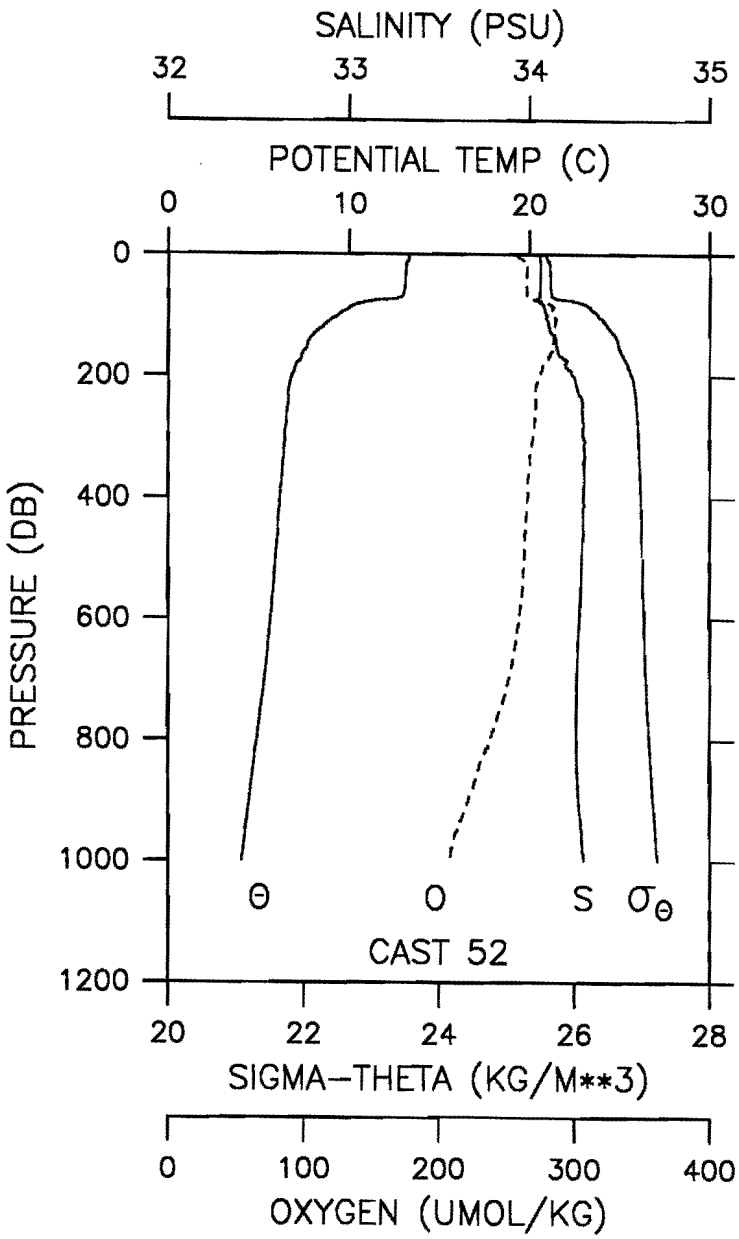
CAST CG2-94-DI -051 DATE 13 MAR 94 TIME 1739 GMT
LAT 43 59.2S LONG 102 59.8W WEATHER 4 SEA STATE 5
BAROMETER 98 WIND DIR 345 T SPD 20 KT VISIBILITY 1
CLOUD X AMOUNT 9 DRY 14.4 WET 14.2 DEPTH 4100 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	13.152	34.053	259.5	25.630	0.000
10	13.151	34.050	260.5	25.627	0.024
20	13.138	34.050	261.1	25.630	0.047
30	13.137	34.050	260.9	25.630	0.071
40	13.078	34.055	261.1	25.646	0.094
50	12.960	34.066	261.3	25.678	0.117
60	12.820	34.080	261.6	25.717	0.140
70	12.727	34.094	261.5	25.746	0.163
80	12.673	34.094	261.7	25.756	0.186
90	9.885	34.091	278.5	26.262	0.206
100	9.257	34.105	279.1	26.376	0.223
110	8.910	34.110	278.4	26.436	0.239
120	8.663	34.114	278.5	26.477	0.255
130	8.300	34.122	278.5	26.540	0.270
140	7.990	34.132	279.3	26.594	0.285
150	7.765	34.131	279.3	26.626	0.300
160	7.617	34.150	278.9	26.663	0.314
170	7.508	34.172	276.7	26.695	0.328
180	7.414	34.186	274.7	26.720	0.341
190	7.246	34.197	274.9	26.752	0.354
200	7.084	34.211	273.6	26.786	0.368
250	6.733	34.280	269.6	26.888	0.429
300	6.492	34.291	270.0	26.929	0.488
350	6.389	34.309	267.5	26.957	0.545
400	6.243	34.304	266.7	26.972	0.602
450	6.092	34.301	266.2	26.989	0.658
500	5.969	34.296	265.4	27.001	0.714
550	5.856	34.290	264.7	27.010	0.770
600	5.713	34.281	263.3	27.020	0.826
650	5.542	34.273	261.6	27.035	0.881
700	5.372	34.266	257.5	27.050	0.936
750	5.201	34.261	253.0	27.066	0.990
800	5.005	34.258	246.9	27.087	1.043
900	4.590	34.263	234.9	27.137	1.147
1000	4.071	34.289	216.4	27.214	1.245
1500	2.810	34.505	151.4	27.507	1.643
2000	2.175	34.629	161.4	27.660	1.940
2500	1.739	34.692	171.5	27.746	2.186
3000	1.456	34.704	177.6	27.776	2.408
3500	1.104	34.708	187.3	27.804	2.619
4000	0.790	34.709	197.6	27.825	2.810
4005	0.790	34.709	197.5	27.825	2.812

CAST CG2-94-DI -052 DATE 13 MAR 94 TIME 2346 GMT

LAT 43 30.1S LONG 103 00.9W



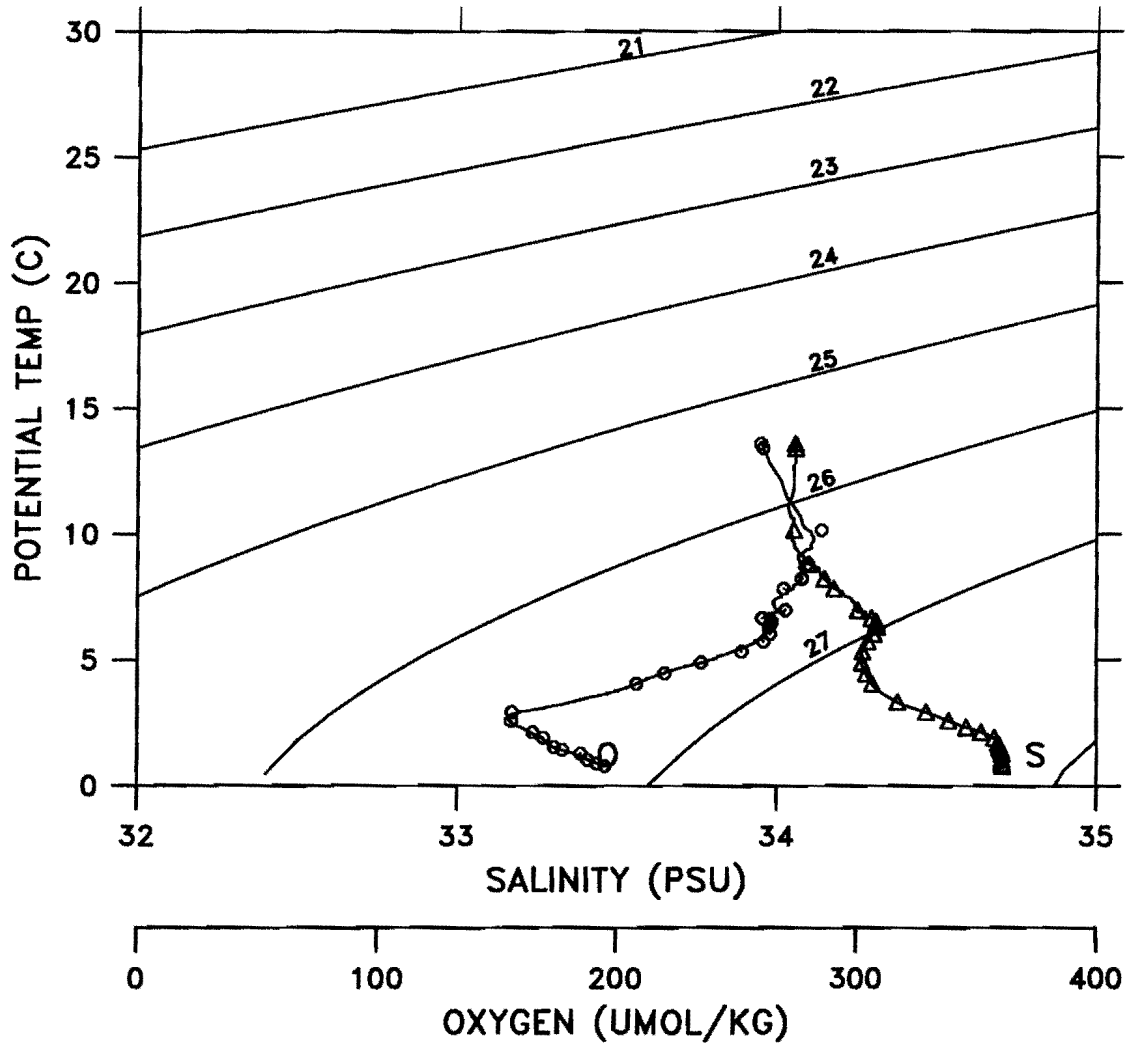


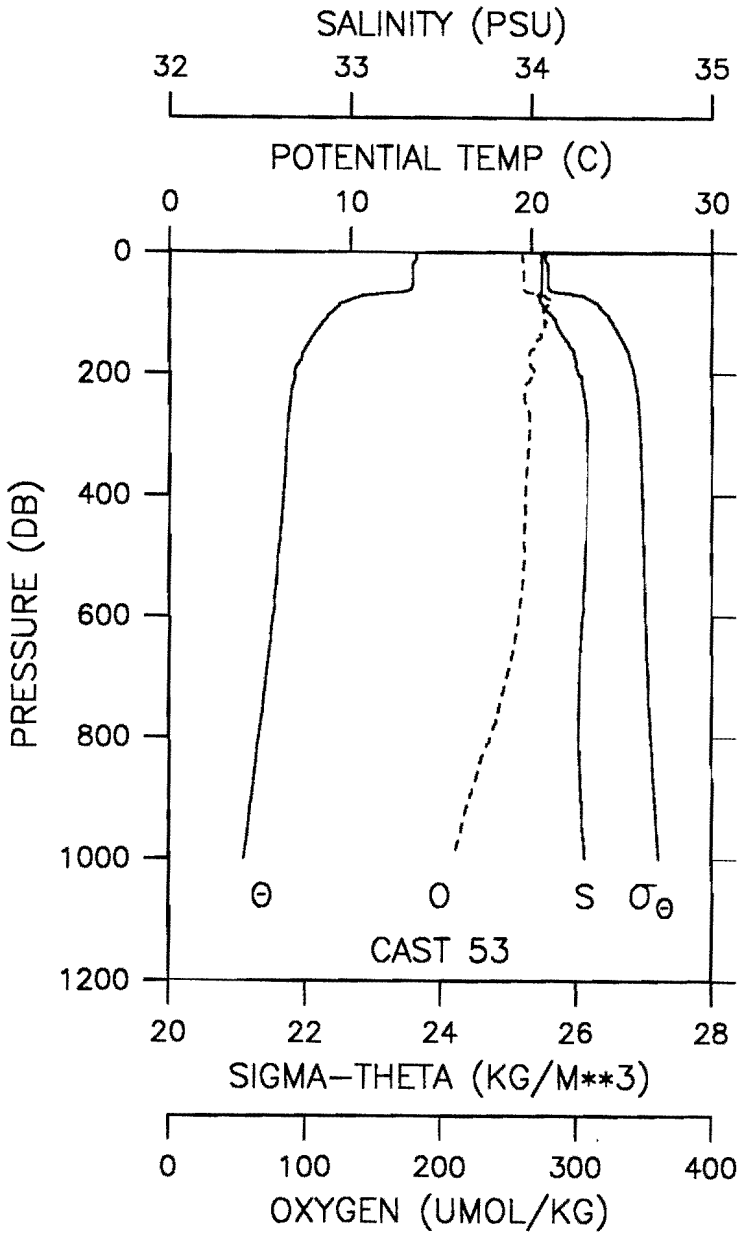
CAST CG2-94-DI -052 DATE 13 MAR 94 TIME 2346 GMT
LAT 43 30.1S LONG 103 00.9W WEATHER 0 SEA STATE 3
BAROMETER 97 WIND DIR 001 T SPD 18 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 16.4 WET 15.3 DEPTH 3750 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	13.345	34.060	258.1	25.596	0.000
10	13.293	34.058	262.3	25.605	0.024
20	13.163	34.061	264.9	25.634	0.047
30	13.140	34.062	264.9	25.639	0.071
40	13.125	34.062	264.6	25.642	0.094
50	13.103	34.062	264.7	25.646	0.118
60	13.053	34.061	264.7	25.655	0.141
70	12.899	34.054	265.4	25.681	0.165
80	10.686	34.065	279.8	26.103	0.186
90	9.939	34.085	283.3	26.248	0.204
100	9.397	34.098	285.4	26.348	0.221
110	8.889	34.103	285.8	26.434	0.238
120	8.549	34.110	285.5	26.492	0.254
130	8.072	34.125	285.8	26.576	0.269
140	7.806	34.147	285.2	26.633	0.283
150	7.688	34.149	283.9	26.652	0.297
160	7.473	34.158	283.3	26.689	0.311
170	7.347	34.184	280.7	26.728	0.325
180	7.067	34.197	277.3	26.777	0.338
190	6.963	34.225	276.1	26.814	0.351
200	6.826	34.243	273.8	26.846	0.363
250	6.601	34.292	271.3	26.916	0.422
300	6.435	34.299	269.2	26.943	0.480
350	6.297	34.303	266.6	26.964	0.537
400	6.148	34.300	265.3	26.980	0.594
450	6.049	34.299	263.7	26.993	0.650
500	5.922	34.293	262.8	27.004	0.705
550	5.796	34.286	261.8	27.014	0.761
600	5.634	34.278	258.8	27.028	0.816
650	5.489	34.271	255.7	27.040	0.871
700	5.304	34.264	251.5	27.056	0.926
750	5.090	34.260	245.1	27.078	0.979
800	4.889	34.261	237.9	27.102	1.032
900	4.462	34.273	221.3	27.159	1.134
1000	4.040	34.302	207.0	27.227	1.230
1500	2.687	34.499	163.3	27.513	1.623
2000	2.104	34.643	162.3	27.677	1.913
2500	1.694	34.689	168.7	27.747	2.153
3000	1.450	34.704	177.2	27.776	2.375
3500	1.100	34.707	187.2	27.803	2.587
3793	0.955	34.708	191.9	27.814	2.702

CAST CG2-94-DI -053 DATE 14 MAR 94 TIME 0537 GMT

LAT 43 0.2S LONG 102 59.9W



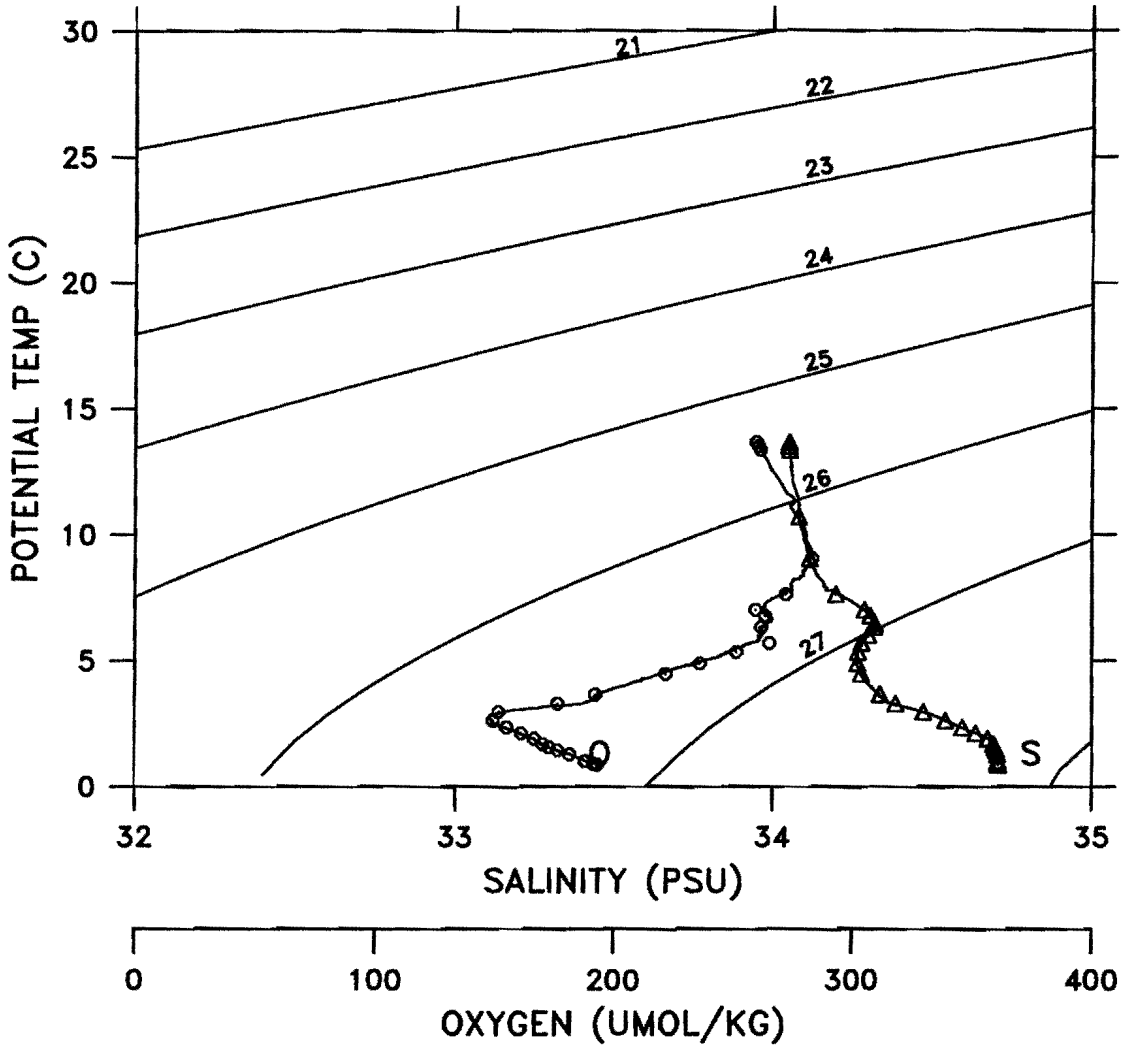


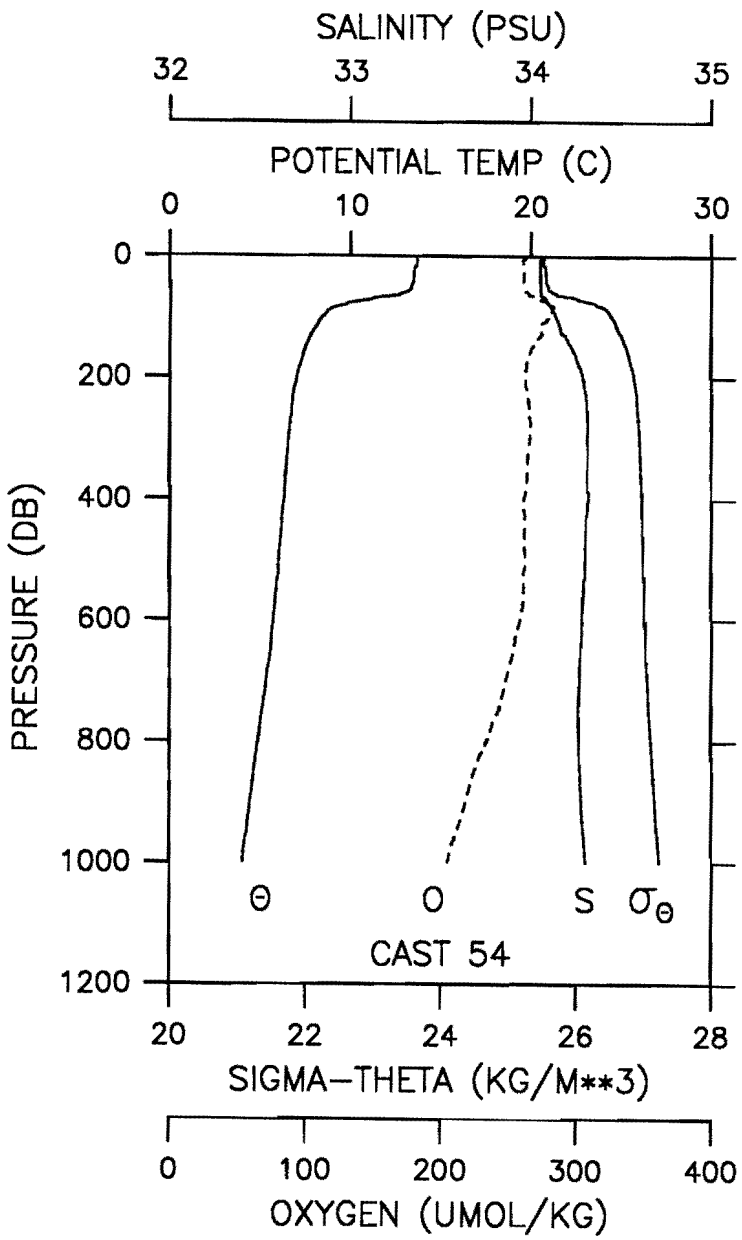
CAST CG2-94-DI -053 DATE 14 MAR 94 TIME 0537 GMT
LAT 43 0.2S LONG 102 59.9W WEATHER 4 SEA STATE 1
BAROMETER 98 WIND DIR 15 T SPD 12 KT VISIBILITY 1
CLOUD 6 AMOUNT 8 DRY 14.9 WET 14.5 DEPTH 3790 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	13.624	34.053	259.8	25.552	0.000
10	13.624	34.053	260.2	25.534	0.024
20	13.446	34.057	260.9	25.573	0.049
30	13.431	34.058	260.9	25.577	0.073
40	13.424	34.058	260.8	25.578	0.097
50	13.420	34.058	260.6	25.579	0.121
60	13.358	34.058	260.9	25.592	0.145
70	11.125	34.034	273.4	26.001	0.168
80	9.816	34.048	281.9	26.240	0.186
90	9.259	34.070	277.3	26.349	0.204
100	8.917	34.102	276.1	26.428	0.220
110	8.664	34.130	275.9	26.490	0.236
120	8.366	34.139	276.5	26.543	0.251
130	8.091	34.159	276.0	26.600	0.266
140	7.871	34.179	273.5	26.649	0.280
150	7.677	34.206	270.9	26.698	0.294
160	7.474	34.227	267.3	26.744	0.307
170	7.316	34.240	265.0	26.777	0.320
180	7.180	34.245	265.4	26.799	0.333
190	6.972	34.249	266.8	26.831	0.346
200	6.898	34.260	269.5	26.850	0.358
250	6.656	34.302	262.5	26.916	0.418
300	6.505	34.311	265.1	26.943	0.475
350	6.397	34.316	264.0	26.961	0.532
400	6.291	34.315	262.5	26.974	0.589
450	6.175	34.311	262.1	26.986	0.646
500	5.999	34.300	262.0	27.000	0.702
550	5.879	34.294	260.4	27.010	0.758
600	5.713	34.284	257.7	27.023	0.813
650	5.537	34.277	254.2	27.038	0.868
700	5.346	34.270	248.8	27.056	0.923
750	5.169	34.266	243.3	27.074	0.977
800	4.928	34.265	236.7	27.101	1.029
900	4.530	34.277	221.8	27.155	1.132
1000	4.101	34.297	209.4	27.217	1.229
1500	2.763	34.505	155.0	27.511	1.624
2000	2.139	34.641	163.7	27.673	1.917
2500	1.709	34.696	171.1	27.751	2.158
3000	1.432	34.705	177.4	27.778	2.377
3500	1.040	34.707	188.3	27.808	2.585
3865	0.793	34.709	196.4	27.825	2.724

CAST CG2-94-DI -054 DATE 14 MAR 94 TIME 1152 GMT

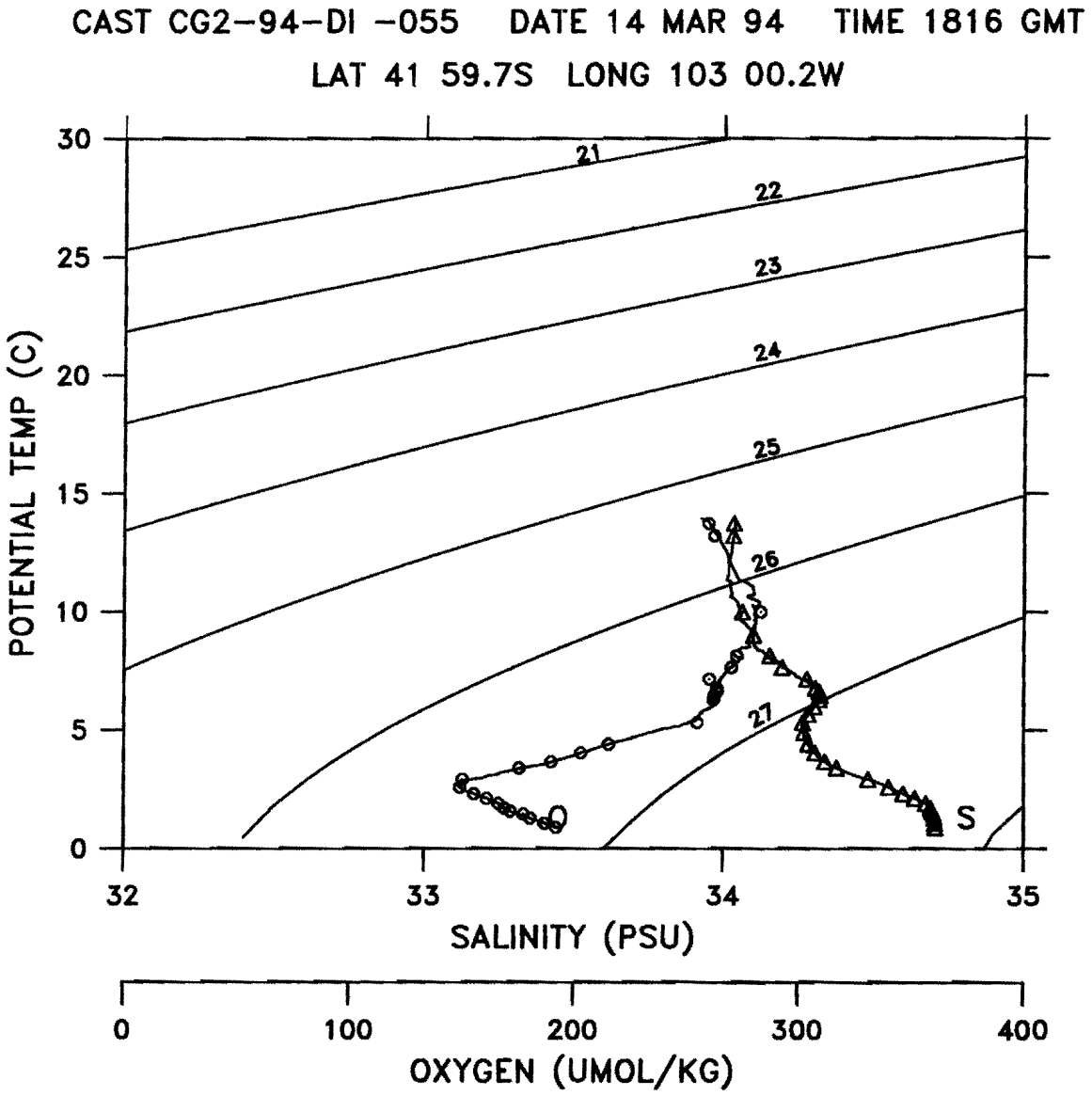
LAT 42 29.5S LONG 102 59.6W

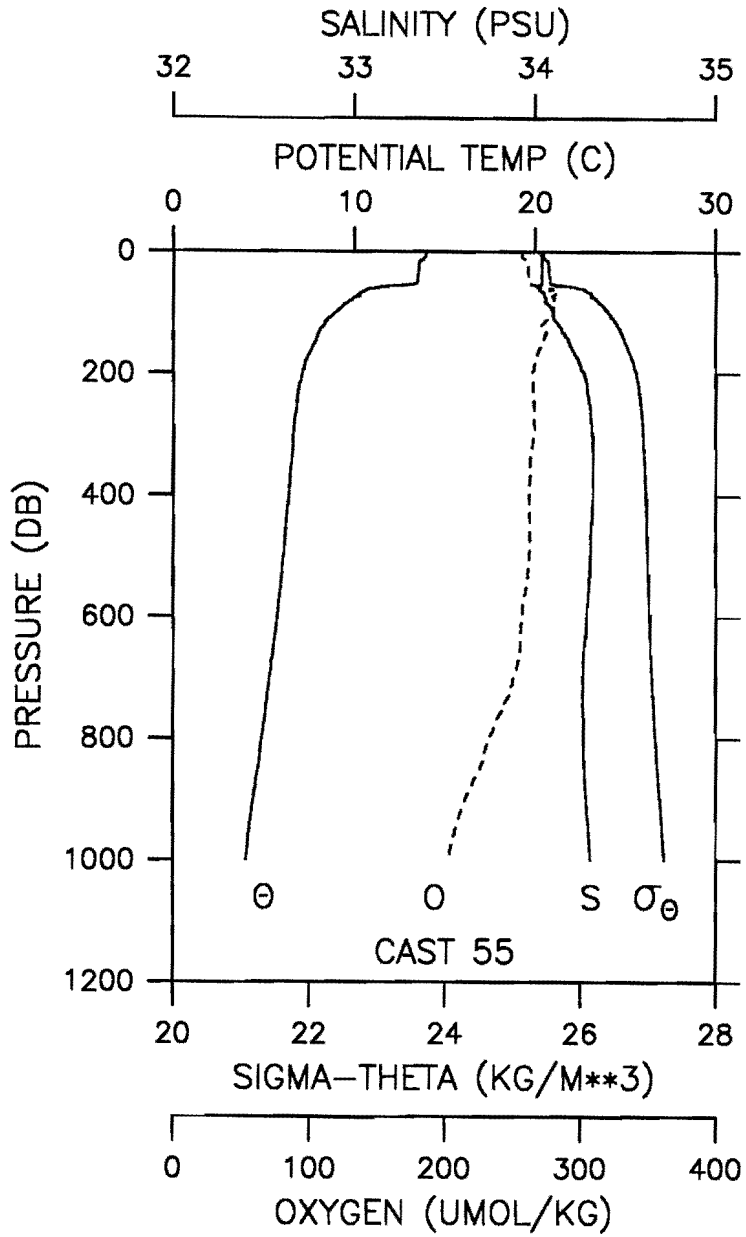




CAST CG2-94-DI -054 DATE 14 MAR 94 TIME 1152 GMT
LAT 42 29.5S LONG 102 59.6W WEATHER 1 SEA STATE 4
BAROMETER 0 WIND DIR 25 T SPD 9 KT VISIBILITY 6
CLOUD 6 AMOUNT 6 DRY 15.0 WET 14.7 DEPTH 3791 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	13.682	34.062	262.2	25.529	0.000
10	13.687	34.052	260.8	25.520	0.025
20	13.537	34.052	261.7	25.551	0.049
30	13.507	34.052	261.6	25.557	0.073
40	13.492	34.052	261.5	25.560	0.098
50	13.358	34.053	262.2	25.588	0.122
60	12.936	34.055	264.4	25.674	0.146
70	11.197	34.083	274.9	26.026	0.167
80	9.739	34.101	280.7	26.294	0.186
90	8.747	34.124	282.9	26.472	0.202
100	8.449	34.138	279.7	26.529	0.218
110	8.220	34.153	275.0	26.576	0.232
120	8.023	34.164	274.2	26.615	0.247
130	7.808	34.190	274.1	26.666	0.261
140	7.653	34.205	270.9	26.701	0.275
150	7.504	34.223	267.8	26.737	0.288
160	7.399	34.242	266.0	26.766	0.301
170	7.319	34.251	264.0	26.785	0.314
180	7.214	34.264	263.5	26.810	0.327
190	7.110	34.280	262.5	26.836	0.339
200	7.025	34.289	262.5	26.856	0.352
250	6.741	34.309	265.7	26.910	0.411
300	6.562	34.313	266.2	26.937	0.469
350	6.434	34.314	264.0	26.955	0.527
400	6.331	34.318	261.4	26.972	0.584
450	6.182	34.308	262.0	26.983	0.640
500	6.022	34.300	262.3	26.997	0.696
550	5.887	34.293	261.2	27.008	0.752
600	5.733	34.285	258.8	27.022	0.808
650	5.571	34.278	253.7	27.035	0.863
700	5.344	34.269	248.4	27.056	0.918
750	5.115	34.265	242.4	27.079	0.972
800	4.859	34.267	234.5	27.110	1.024
900	4.438	34.280	218.7	27.167	1.125
1000	4.028	34.304	205.2	27.230	1.221
1500	2.761	34.518	147.9	27.522	1.610
2000	2.121	34.637	159.9	27.671	1.901
2500	1.718	34.691	169.1	27.746	2.143
3000	1.432	34.703	176.4	27.777	2.364
3500	1.023	34.707	188.4	27.808	2.572
3848	0.875	34.708	194.0	27.819	2.706


CAST CG2-94-DI -055 DATE 14 MAR 94 TIME 1816 GMT
LAT 41 59.7S LONG 103 00.2W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

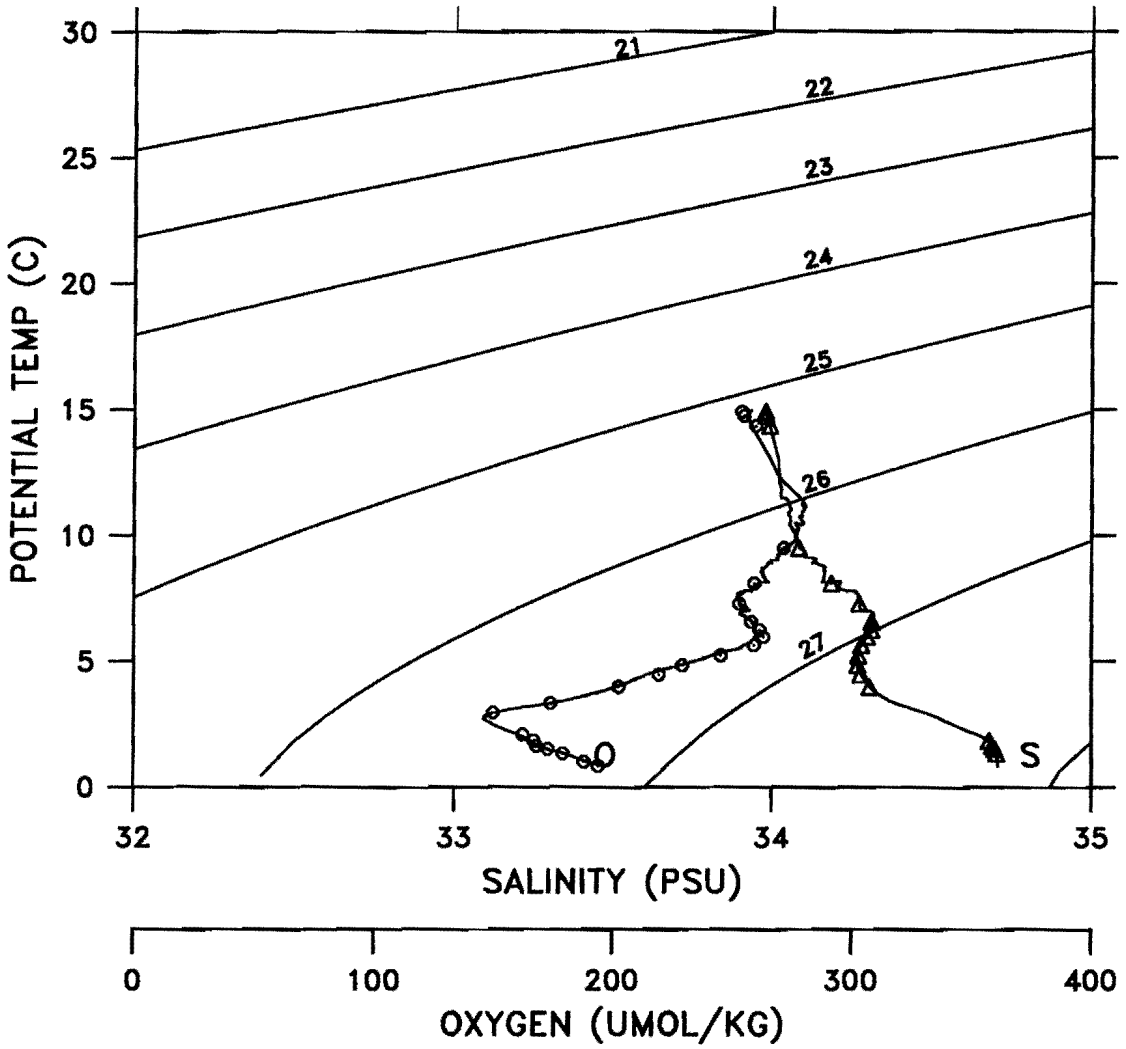


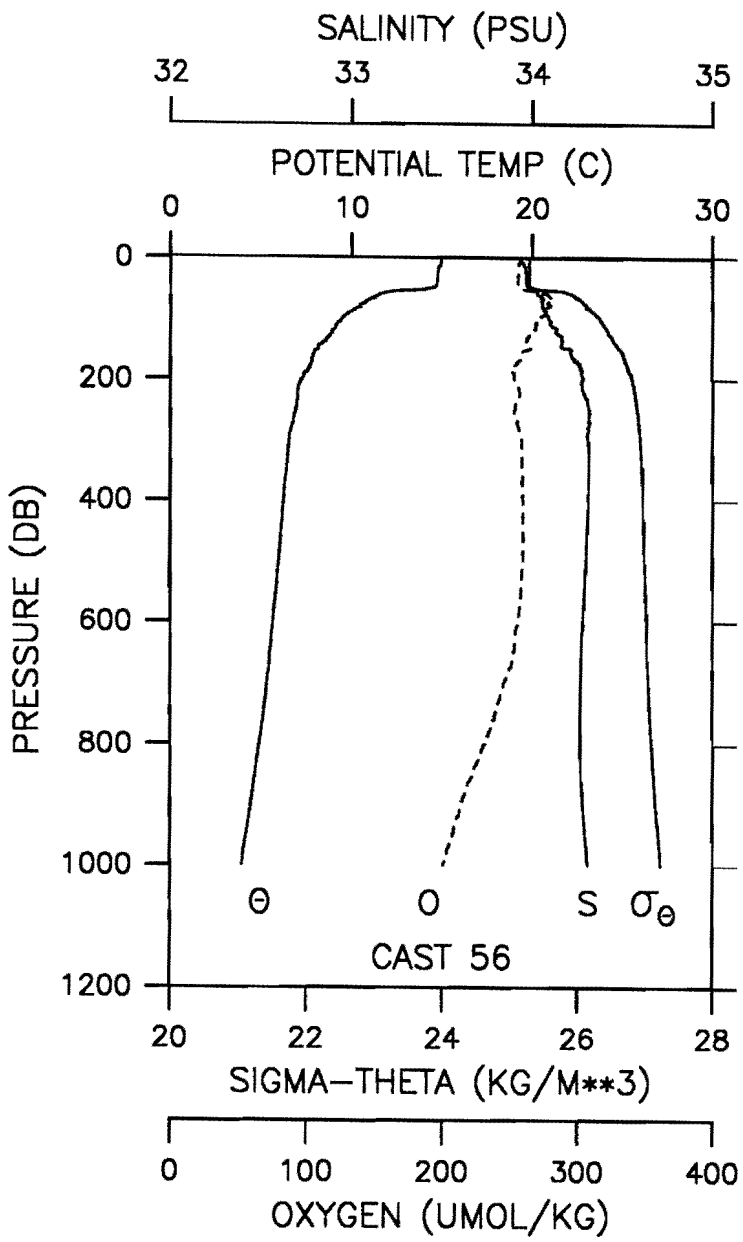
CAST CG2–94–DI –055 DATE 14 MAR 94 TIME 1816 GMT
LAT 41 59.7S LONG 103 00.2W WEATHER 4 SEA STATE 4
BAROMETER 02 WIND DIR 055 T SPD 16 KT VISIBILITY 6
CLOUD 7 AMOUNT 8 DRY 15.7 WET 15.2 DEPTH 3672 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG–TH	DELTA–D (DYN–M)
0	13.941	34.038	256.8	25.456	0.000
10	13.866	34.038	257.8	25.472	0.025
20	13.580	34.039	261.3	25.532	0.050
30	13.553	34.039	261.7	25.538	0.074
40	13.517	34.039	261.9	25.545	0.099
50	13.477	34.039	262.2	25.553	0.123
60	11.284	34.024	275.9	25.965	0.146
70	10.269	34.050	281.8	26.164	0.165
80	9.864	34.058	280.6	26.240	0.184
90	9.368	34.081	280.8	26.340	0.201
100	9.020	34.100	279.9	26.410	0.217
110	8.584	34.104	278.4	26.482	0.233
120	8.353	34.128	271.8	26.536	0.249
130	8.087	34.148	272.8	26.592	0.264
140	7.942	34.166	273.8	26.628	0.278
150	7.807	34.190	271.5	26.666	0.292
160	7.644	34.204	269.9	26.701	0.306
170	7.480	34.225	268.6	26.741	0.319
180	7.304	34.242	266.7	26.779	0.332
190	7.232	34.252	265.8	26.797	0.345
200	7.117	34.273	264.6	26.830	0.358
250	6.819	34.303	265.6	26.894	0.418
300	6.625	34.318	266.0	26.933	0.477
350	6.508	34.324	263.0	26.953	0.535
400	6.370	34.322	262.3	26.969	0.592
450	6.210	34.312	262.8	26.983	0.648
500	6.075	34.307	262.2	26.995	0.705
550	5.921	34.299	260.3	27.009	0.761
600	5.720	34.287	257.1	27.024	0.816
650	5.522	34.274	255.7	27.038	0.871
700	5.293	34.265	250.8	27.058	0.926
750	5.096	34.266	243.1	27.082	0.979
800	4.874	34.268	232.8	27.109	1.032
900	4.400	34.283	215.2	27.174	1.133
1000	4.007	34.307	202.3	27.234	1.227
1500	2.748	34.521	148.2	27.525	1.615
2000	2.110	34.640	161.5	27.674	1.903
2500	1.713	34.691	169.5	27.746	2.144
3000	1.450	34.702	175.3	27.775	2.367
3500	1.059	34.706	187.7	27.806	2.576
3745	0.874	34.708	192.9	27.819	2.671

CAST CG2-94-DI -056 DATE 15 MAR 94 TIME 0323 GMT

LAT 41 29.6S LONG 102 59.5W



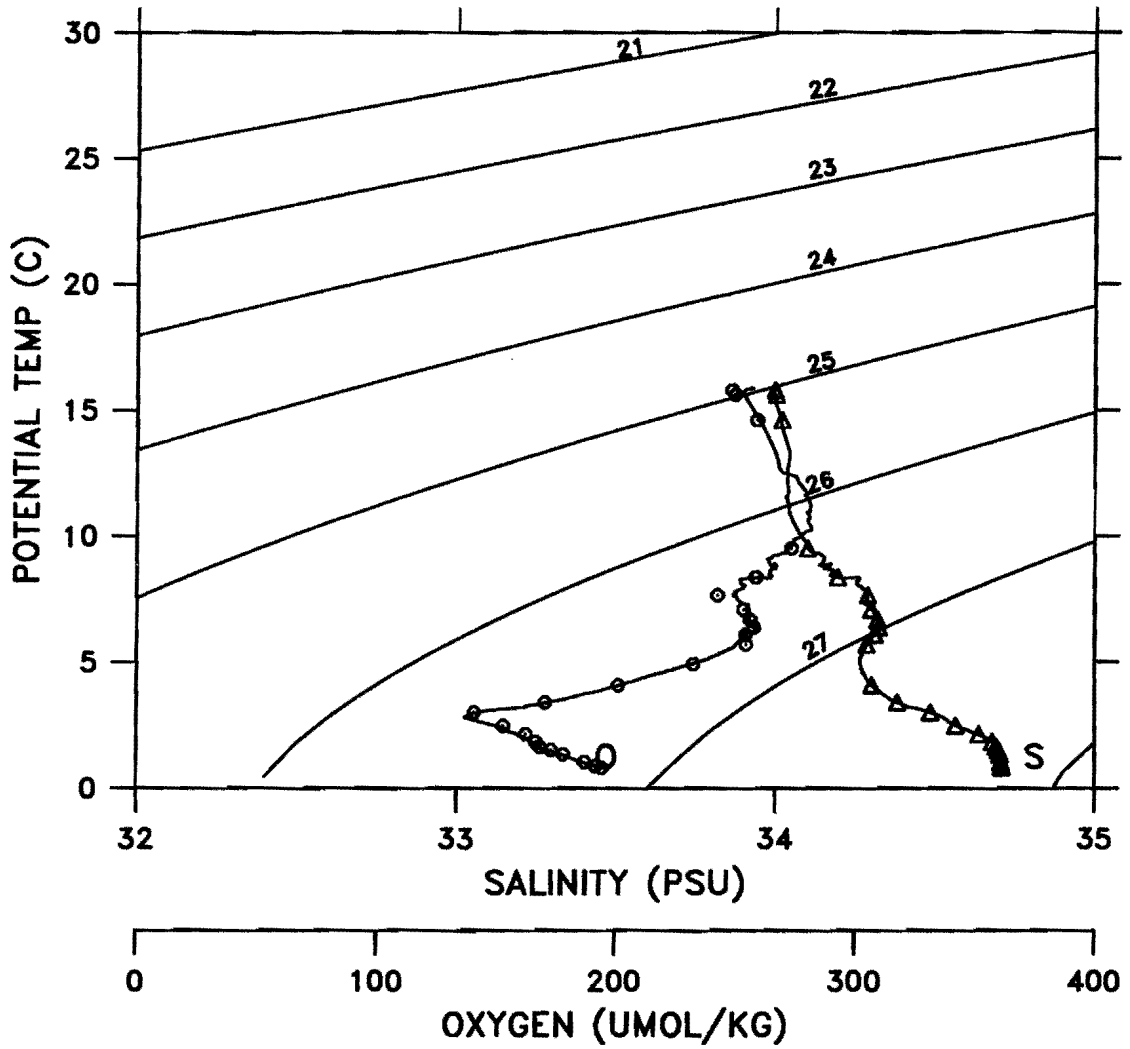


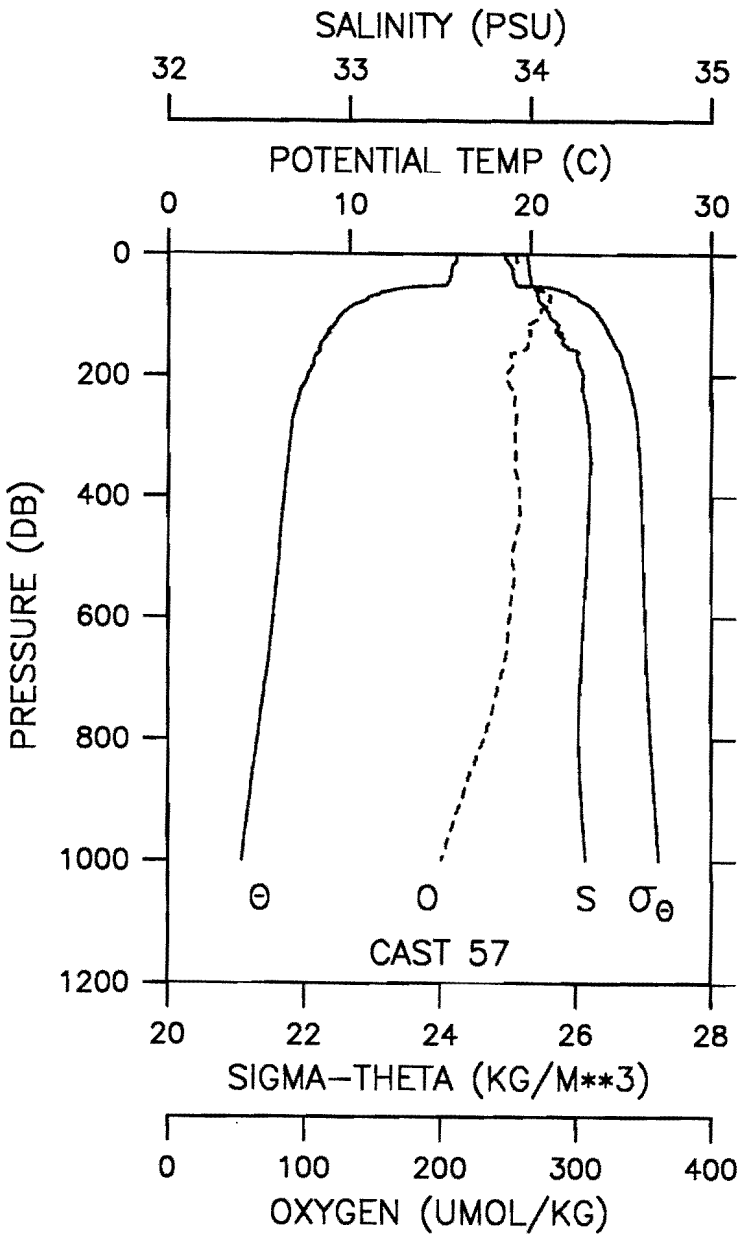
CAST CG2-94-DI -056 DATE 15 MAR 94 TIME 0323 GMT
LAT 41 29.6S LONG 102 59.5W WEATHER 1 SEA STATE 3
BAROMETER 04 WIND DIR 115 T SPD 13 KT VISIBILITY 7
CLOUD 7 AMOUNT 6 DRY 15.8 WET 15.1 DEPTH 3780 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	14.974	33.988	257.8	25.165	0.000
10	14.928	33.983	257.0	25.204	0.028
20	14.780	33.984	256.6	25.237	0.055
30	14.752	33.984	256.4	25.243	0.083
40	14.732	33.983	256.0	25.247	0.110
50	14.312	33.994	258.3	25.345	0.137
60	11.510	34.027	278.2	25.926	0.160
70	10.952	34.056	279.5	26.049	0.180
80	10.433	34.057	279.9	26.142	0.200
90	9.945	34.078	276.5	26.242	0.218
100	9.476	34.091	273.2	26.330	0.235
110	9.176	34.100	269.5	26.386	0.252
120	8.949	34.130	266.1	26.445	0.268
130	8.754	34.166	264.3	26.504	0.284
140	8.410	34.164	263.1	26.556	0.299
150	8.170	34.209	265.1	26.628	0.314
160	7.880	34.218	258.7	26.677	0.328
170	7.805	34.238	256.8	26.704	0.342
180	7.658	34.271	253.9	26.752	0.355
190	7.396	34.274	253.3	26.791	0.368
200	7.252	34.280	253.1	26.817	0.381
250	6.934	34.317	253.8	26.890	0.442
300	6.564	34.308	258.9	26.933	0.501
350	6.420	34.317	259.3	26.959	0.558
400	6.253	34.313	259.8	26.977	0.614
450	6.126	34.307	260.0	26.989	0.671
500	5.980	34.300	259.9	27.002	0.727
550	5.833	34.291	258.6	27.014	0.782
600	5.667	34.282	256.3	27.027	0.838
650	5.505	34.274	253.3	27.040	0.893
700	5.342	34.271	245.4	27.057	0.947
750	5.157	34.267	239.5	27.076	1.001
800	4.918	34.268	231.5	27.104	1.054
900	4.469	34.281	214.0	27.165	1.155
1000	3.969	34.309	200.8	27.240	1.250
1500	2.778	34.517	145.8	27.520	1.637
2000	2.120	34.638	159.5	27.672	1.928
2500	1.683	34.689	167.6	27.747	2.168
3000	1.444	34.701	175.1	27.774	2.391
3500	1.046	34.707	188.4	27.807	2.600
3848	0.833	34.709	196.7	27.822	2.733

CAST CG2-94-DI -057 DATE 15 MAR 94 TIME 0923 GMT

LAT 41 00.0S LONG 103 00.0W



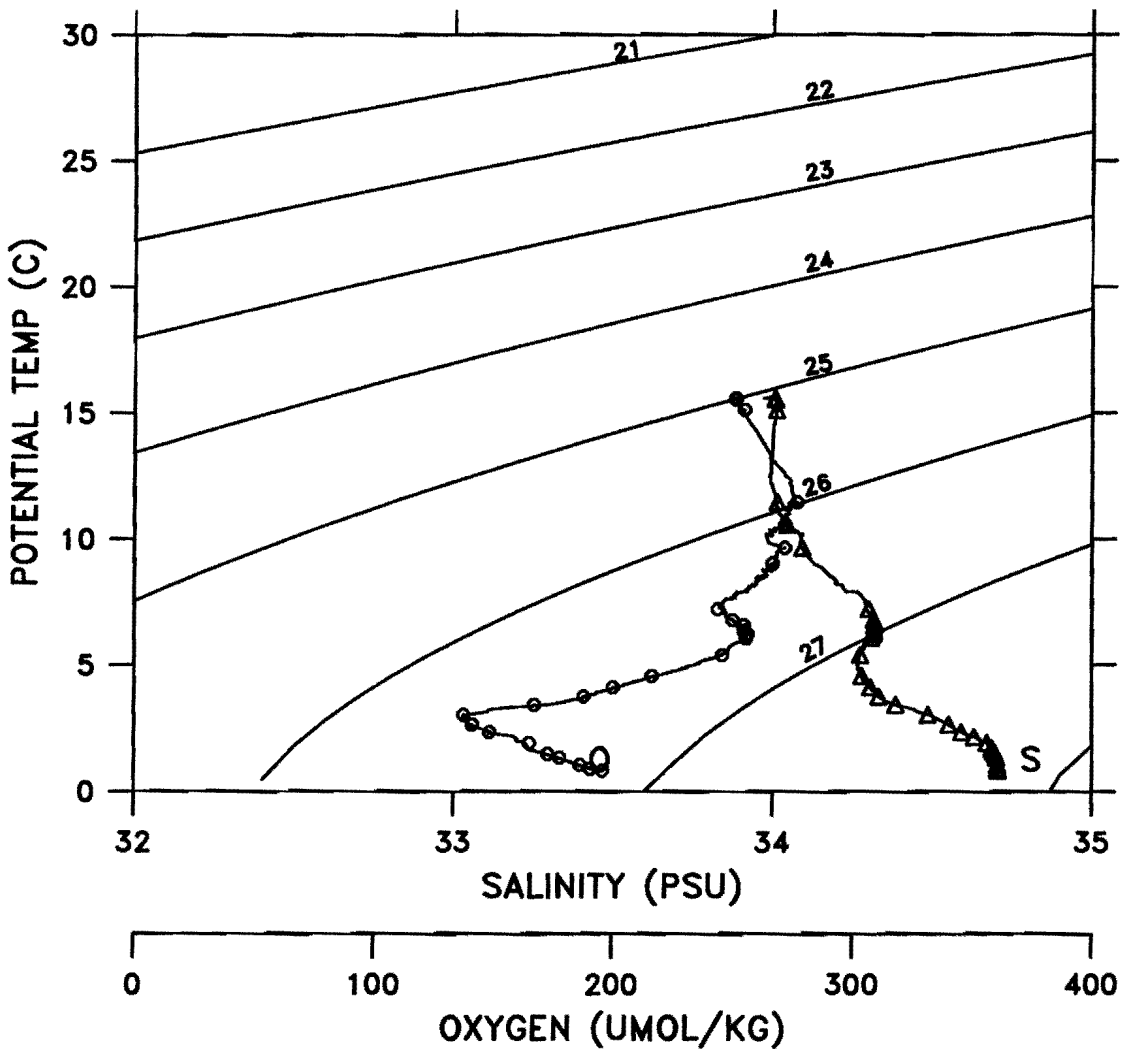


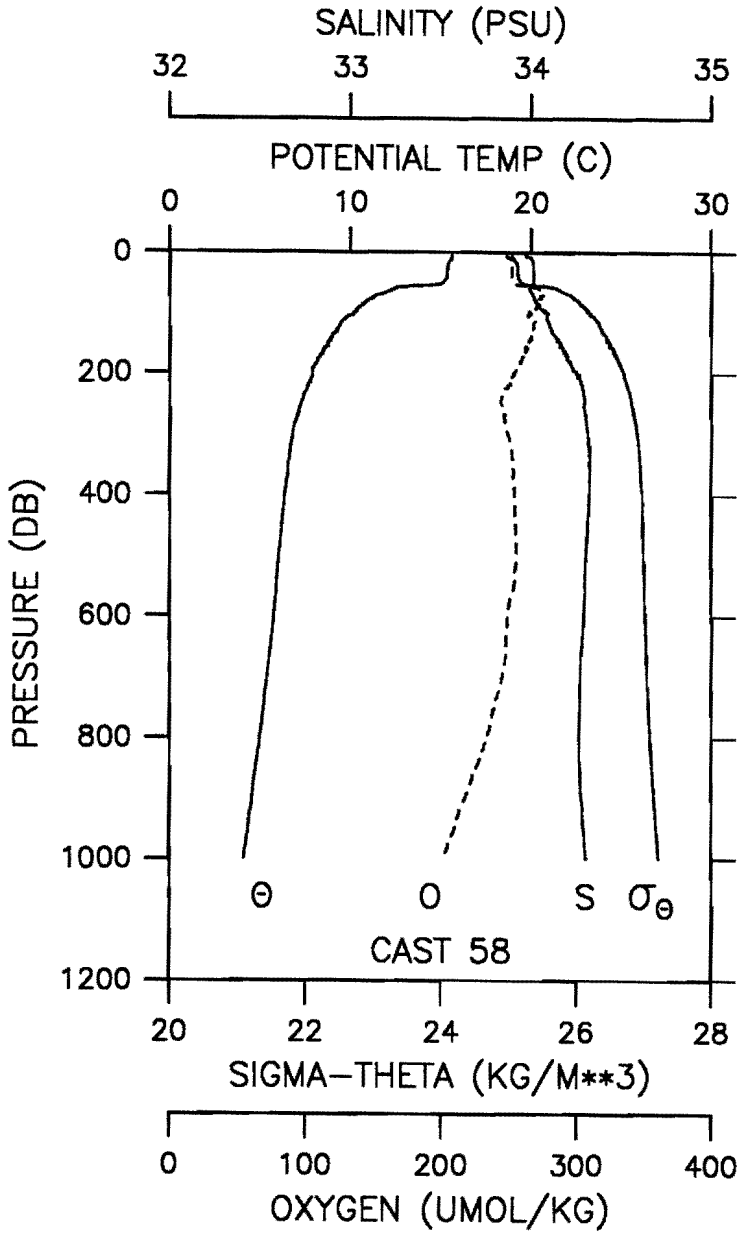
CAST CG2-94-DI -057 DATE 15 MAR 94 TIME 0923 GMT
LAT 41 00.0S LONG 103 00.0W WEATHER 1 SEA STATE 1
BAROMETER 05 WIND DIR 130 T SPD 08 KT VISIBILITY 7
CLOUD 6 AMOUNT 2 DRY 16.0 WET 15.5 DEPTH 4803 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	15.899	33.983	256.3	24.961	0.000
10	15.894	33.986	256.3	24.993	0.030
20	15.670	33.988	253.1	25.044	0.059
30	15.604	33.991	253.5	25.062	0.088
40	15.529	33.998	253.7	25.084	0.117
50	15.382	33.999	254.7	25.117	0.146
60	12.285	34.036	275.5	25.786	0.170
70	11.124	34.042	281.2	26.007	0.191
80	10.556	34.055	280.3	26.119	0.211
90	9.902	34.085	274.8	26.255	0.229
100	9.543	34.103	272.2	26.328	0.247
110	9.319	34.132	269.0	26.388	0.263
120	9.087	34.154	263.1	26.442	0.280
130	8.912	34.176	266.2	26.487	0.296
140	8.600	34.181	264.4	26.540	0.311
150	8.386	34.190	264.8	26.580	0.326
160	8.365	34.260	259.6	26.638	0.340
170	8.074	34.256	253.2	26.679	0.354
180	8.019	34.267	253.7	26.696	0.368
190	7.894	34.281	251.4	26.725	0.382
200	7.703	34.291	249.9	26.761	0.395
250	7.037	34.308	254.7	26.868	0.458
300	6.740	34.325	255.1	26.923	0.517
350	6.566	34.332	255.3	26.952	0.575
400	6.383	34.326	258.5	26.971	0.632
450	6.208	34.318	257.9	26.987	0.689
500	6.107	34.313	252.8	26.996	0.745
550	5.934	34.304	253.8	27.011	0.801
600	5.772	34.294	251.2	27.024	0.857
650	5.600	34.284	249.0	27.037	0.912
700	5.372	34.276	243.9	27.058	0.966
750	5.124	34.267	238.6	27.080	1.020
800	4.923	34.267	232.2	27.103	1.073
900	4.486	34.281	215.4	27.163	1.174
1000	4.054	34.305	201.0	27.228	1.270
1500	2.831	34.522	137.3	27.519	1.659
2000	2.131	34.635	158.8	27.669	1.951
2500	1.698	34.689	166.1	27.746	2.193
3000	1.466	34.700	173.2	27.772	2.417
3500	1.049	34.706	186.2	27.806	2.628
4000	0.819	34.708	195.2	27.823	2.819
4084	0.810	34.708	196.2	27.823	2.850

CAST CG2-94-DI -058 DATE 15 MAR 94 TIME 1810 GMT

LAT 40 30.2S LONG 102 59.2W



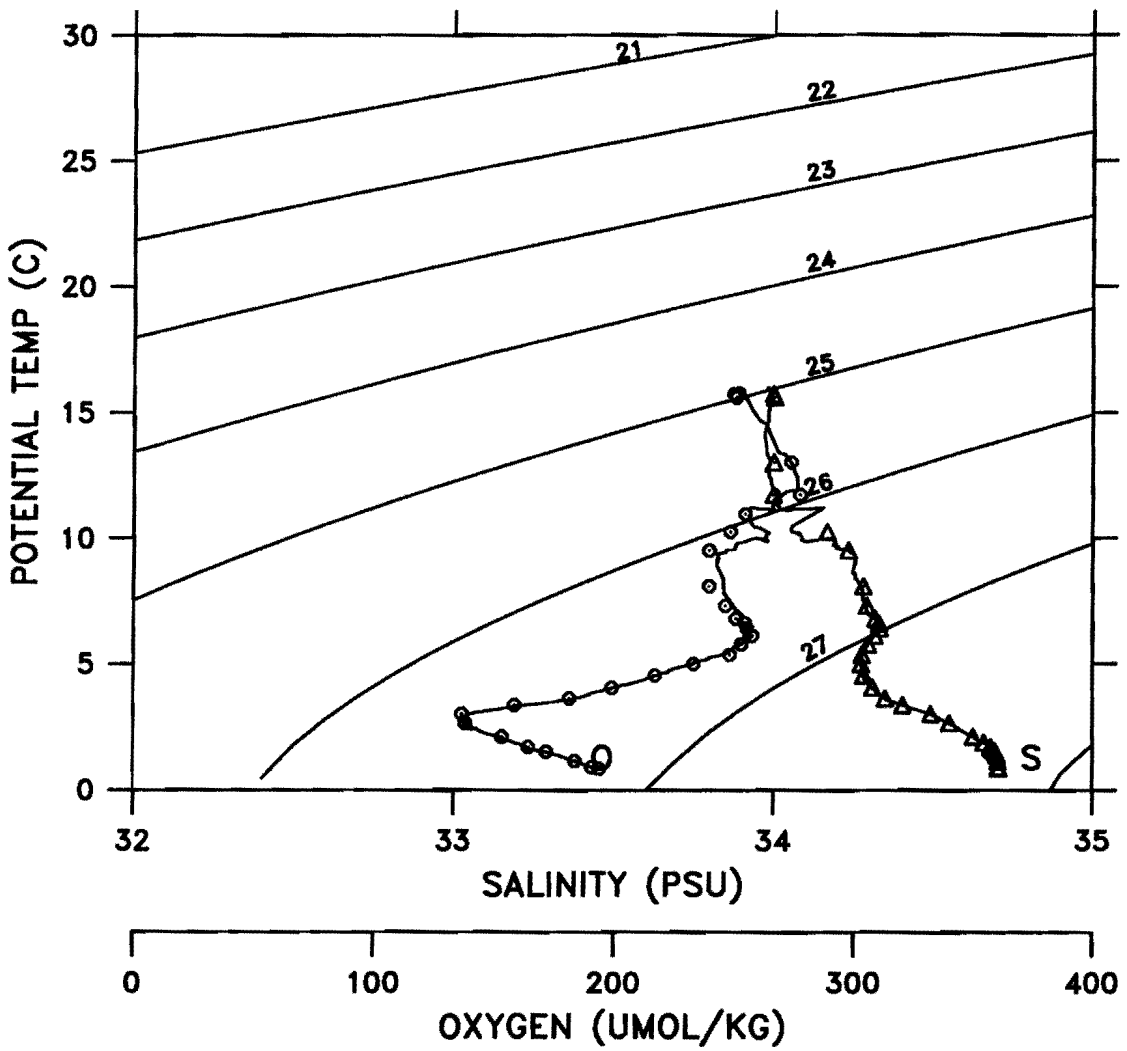


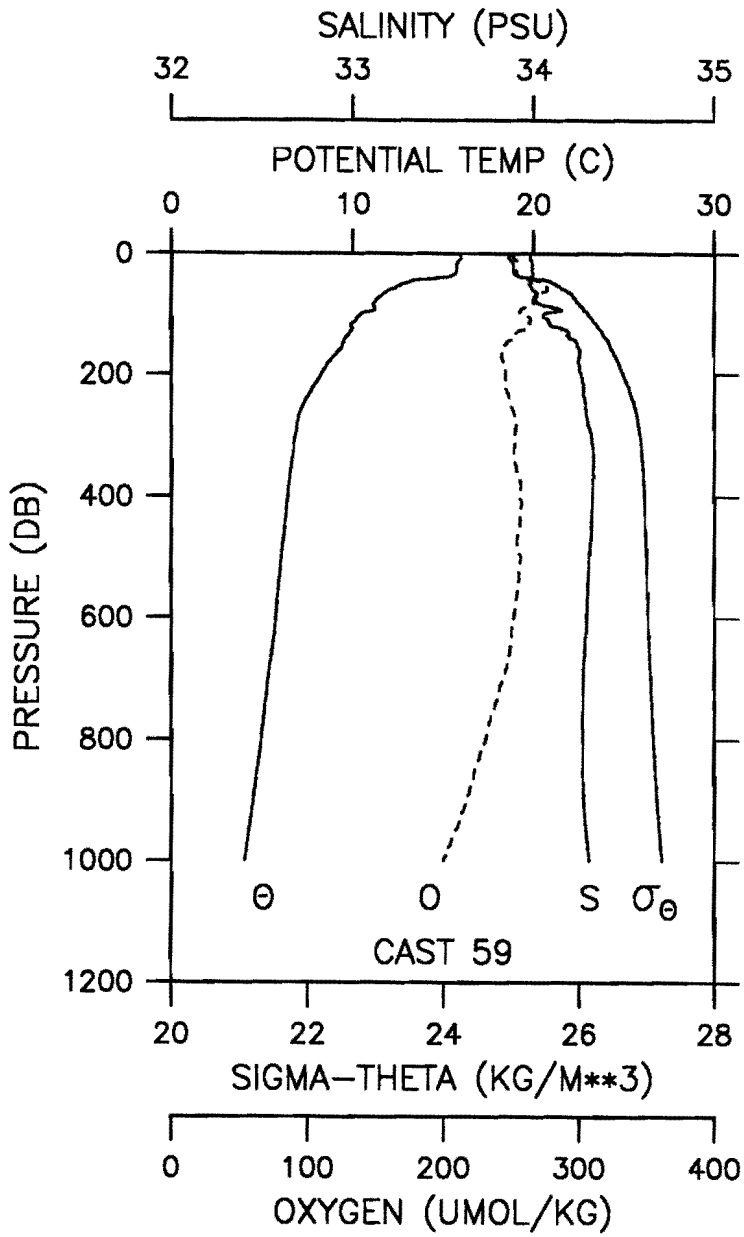
CAST CG2-94-DI -058 DATE 15 MAR 94 TIME 1810 GMT
LAT 40 30.2S LONG 102 59.2W WEATHER 1 SEA STATE 1
BAROMETER 8 WIND DIR 0 T SPD 0 KT VISIBILITY 6
CLOUD 6 AMOUNT 5 DRY 16.4 WET 15.6 DEPTH 3930 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	15.588	33.974	249.0	25.052	0.000
10	15.595	33.999	250.8	25.070	0.029
20	15.383	34.011	252.5	25.126	0.058
30	15.355	34.014	252.4	25.134	0.086
40	15.332	34.014	252.6	25.140	0.114
50	15.125	34.014	253.7	25.185	0.142
60	12.536	33.993	271.7	25.705	0.168
70	11.553	34.009	275.8	25.903	0.190
80	10.979	34.023	272.9	26.019	0.210
90	10.551	34.043	271.1	26.110	0.230
100	10.211	34.083	266.1	26.200	0.249
110	9.739	34.088	268.7	26.284	0.267
120	9.444	34.102	268.5	26.343	0.284
130	9.224	34.115	268.3	26.389	0.301
140	8.989	34.137	267.0	26.444	0.317
150	8.766	34.162	266.3	26.499	0.333
160	8.518	34.179	264.2	26.551	0.348
170	8.449	34.190	259.7	26.570	0.363
180	8.198	34.207	258.4	26.622	0.378
190	7.991	34.228	255.8	26.669	0.392
200	7.897	34.250	253.5	26.700	0.406
250	7.299	34.296	244.4	26.823	0.471
300	6.815	34.315	249.1	26.905	0.532
350	6.557	34.324	253.4	26.946	0.590
400	6.352	34.323	254.0	26.972	0.647
450	6.186	34.312	255.0	26.986	0.704
500	6.023	34.303	255.6	26.999	0.760
550	5.889	34.297	254.0	27.011	0.816
600	5.760	34.292	249.2	27.024	0.871
650	5.580	34.281	247.9	27.037	0.926
700	5.394	34.273	245.2	27.053	0.981
750	5.199	34.269	239.3	27.073	1.035
800	4.984	34.267	233.9	27.096	1.088
900	4.556	34.279	217.6	27.153	1.191
1000	4.110	34.305	202.2	27.222	1.287
1500	2.848	34.520	137.9	27.515	1.680
2000	2.150	34.632	159.1	27.665	1.976
2500	1.707	34.688	165.2	27.744	2.219
3000	1.488	34.698	171.8	27.769	2.445
3500	1.059	34.706	185.5	27.805	2.658
3972	0.822	34.708	194.7	27.822	2.838

CAST CG2-94-DI -059 DATE 15 MAR 94 TIME 2326 GMT

LAT 40 00.2S LONG 102 58.8W



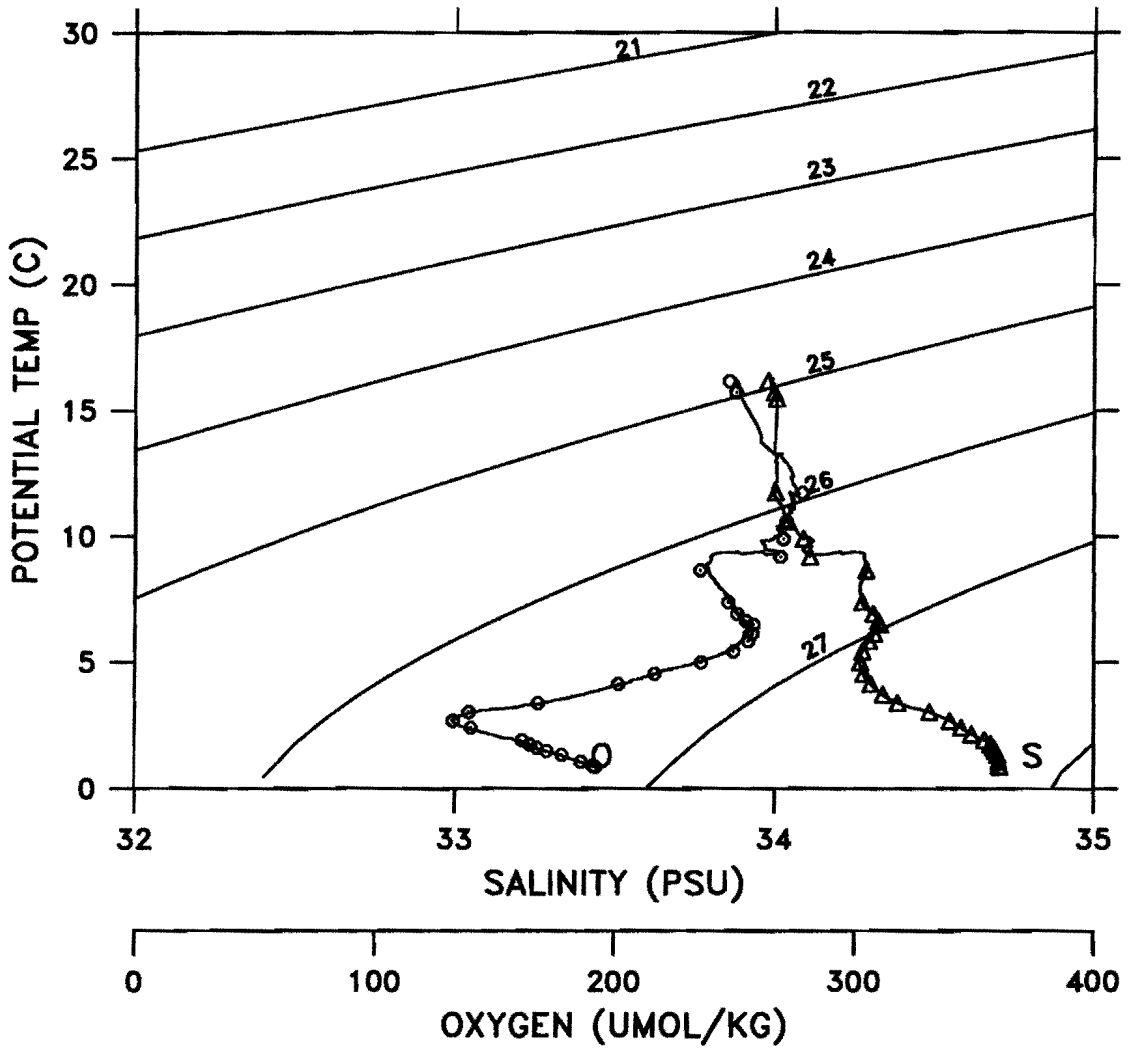


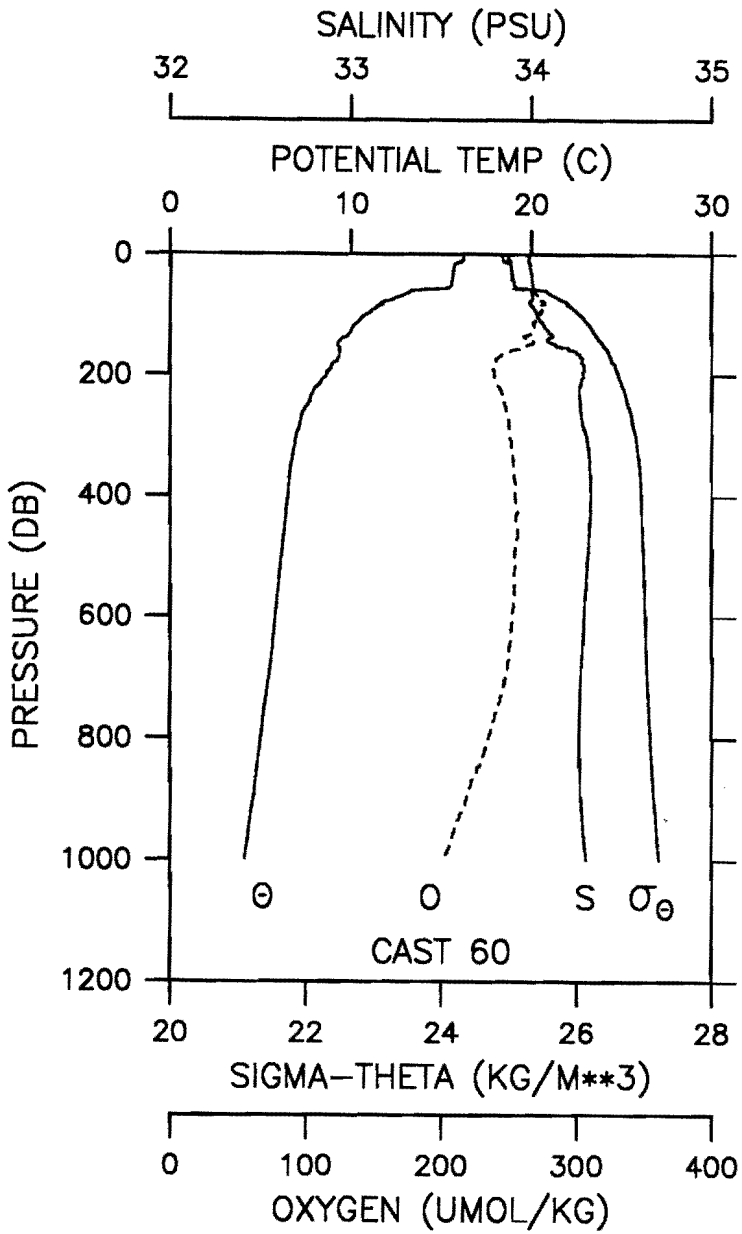
CAST CG2-94-DI -059 DATE 15 MAR 94 TIME 2326 GMT
LAT 40 00.2S LONG 102 58.8W WEATHER 1 SEA STATE 4
BAROMETER 08 WIND DIR 230 T SPD 10 KT VISIBILITY 8
CLOUD 6 AMOUNT 5 DRY 17.8 WET 16.1 DEPTH 4058 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	15.984	33.985	251.6	24.971	0.000
10	15.954	33.982	253.2	24.976	0.030
20	15.747	33.993	254.2	25.031	0.059
30	15.717	33.994	254.1	25.039	0.088
40	14.673	33.984	261.0	25.260	0.117
50	12.756	33.978	275.1	25.650	0.142
60	12.078	33.995	276.4	25.794	0.165
70	11.568	34.014	267.0	25.905	0.186
80	11.248	34.016	266.1	25.965	0.207
90	11.196	34.129	259.0	26.063	0.227
100	10.465	34.057	258.4	26.136	0.246
110	10.188	34.079	264.4	26.201	0.265
120	9.871	34.097	263.8	26.269	0.283
130	9.849	34.190	254.3	26.345	0.300
140	9.590	34.194	250.6	26.392	0.317
150	9.436	34.238	246.7	26.451	0.333
160	9.242	34.255	243.5	26.496	0.349
170	8.950	34.252	242.8	26.541	0.365
180	8.647	34.246	244.4	26.583	0.380
190	8.490	34.253	244.9	26.614	0.394
200	8.265	34.263	245.5	26.655	0.408
250	7.267	34.289	250.0	26.822	0.475
300	6.827	34.319	253.1	26.906	0.536
350	6.599	34.331	253.4	26.947	0.594
400	6.410	34.328	256.8	26.969	0.652
450	6.239	34.320	255.8	26.985	0.708
500	6.058	34.309	256.8	26.999	0.764
550	5.892	34.299	254.9	27.012	0.820
600	5.747	34.292	251.9	27.025	0.876
650	5.577	34.283	249.2	27.039	0.931
700	5.330	34.275	243.9	27.062	0.985
750	5.145	34.273	236.4	27.082	1.039
800	4.970	34.271	231.4	27.101	1.091
900	4.531	34.277	217.1	27.155	1.193
1000	4.063	34.308	200.2	27.229	1.290
1500	2.832	34.523	137.1	27.520	1.679
2000	2.119	34.627	151.9	27.663	1.973
2500	1.716	34.682	164.8	27.739	2.218
3000	1.524	34.697	171.2	27.765	2.446
3500	1.138	34.705	184.1	27.799	2.665
4000	0.860	34.708	194.6	27.820	2.858
4025	0.849	34.708	194.9	27.821	2.868

CAST CG2-94-DI -060 DATE 16 MAR 94 TIME 0505 GMT

LAT 39 29.9S LONG 102 59.9W



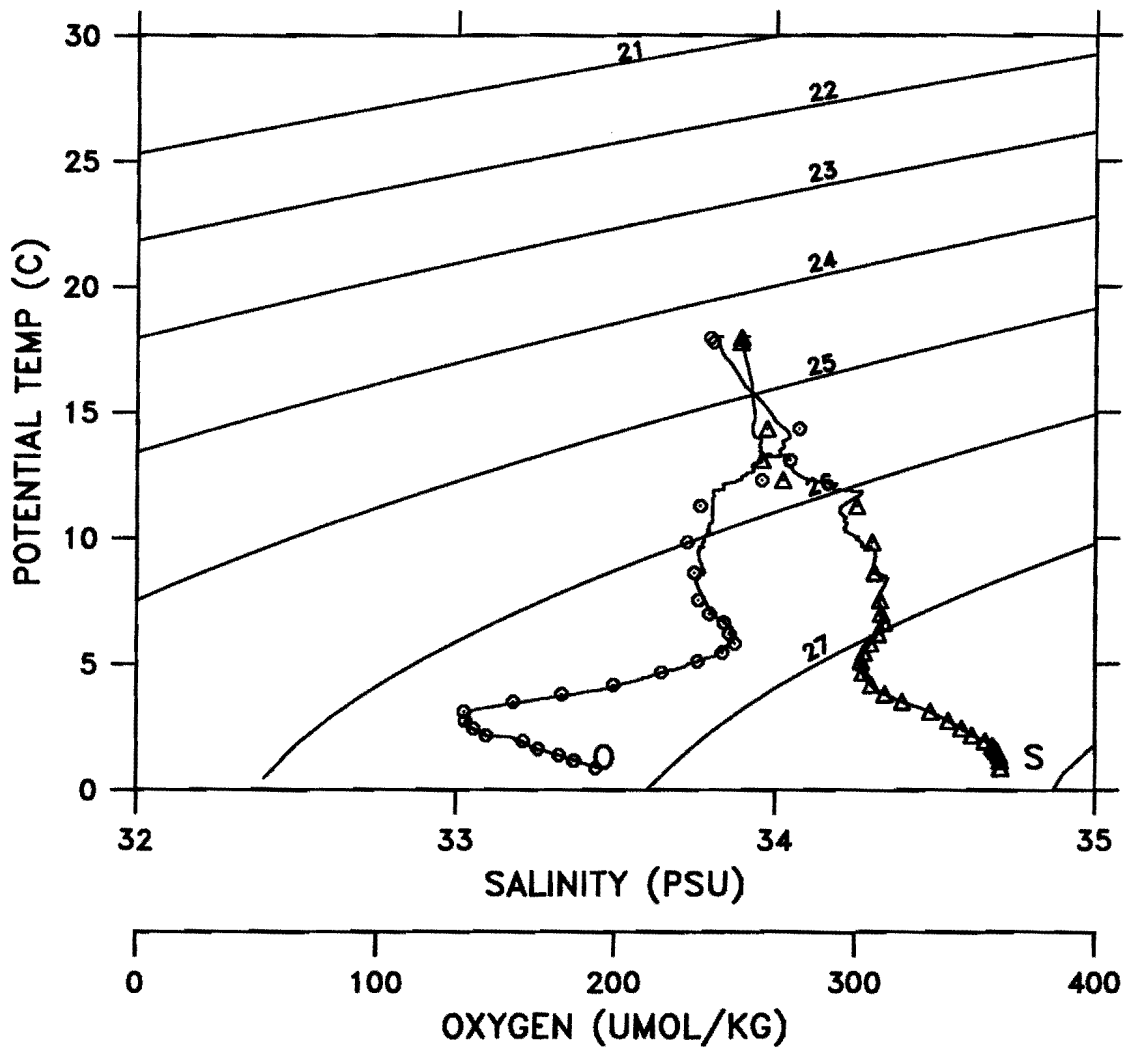


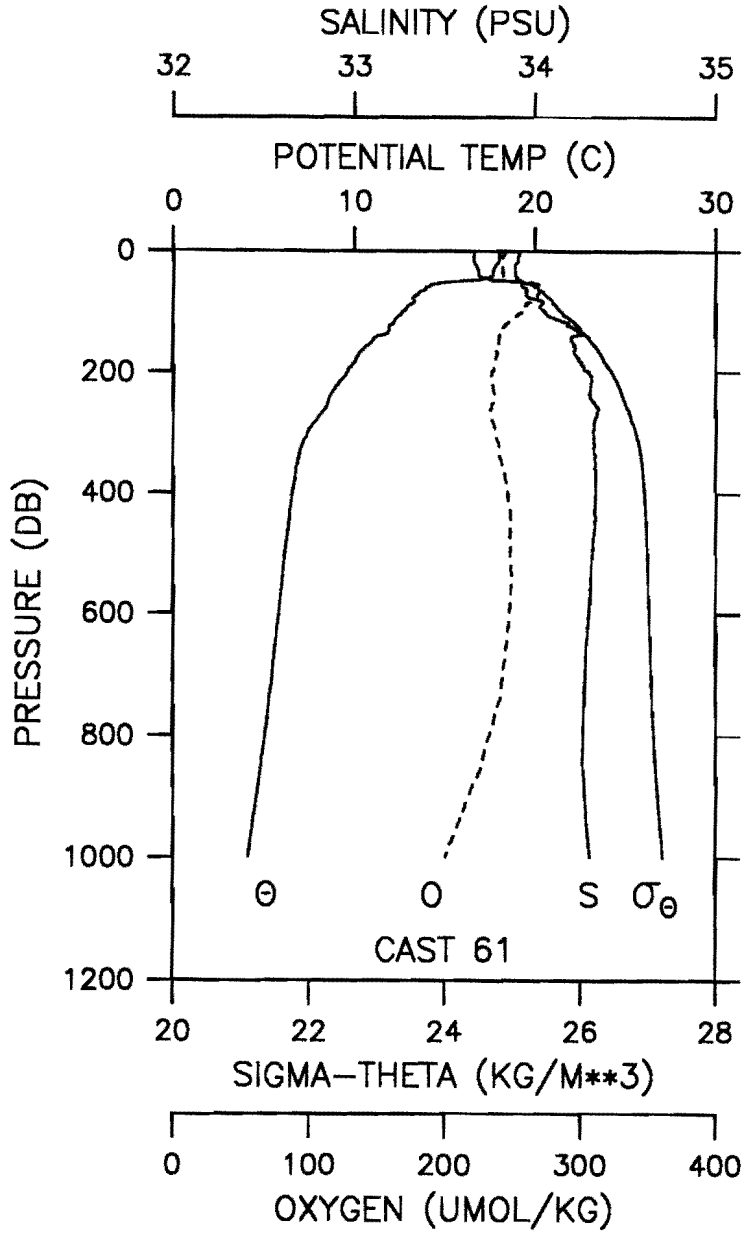
CAST CG2-94-DI -060 DATE 16 MAR 94 TIME 0505 GMT
LAT 39 29.9S LONG 102 59.9W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 230 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 7 DRY 16.0 WET 14.7 DEPTH 3917 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	16.267	33.993	250.0	24.913	0.000
10	16.225	33.983	250.1	24.915	0.030
20	15.739	33.995	252.3	25.034	0.060
30	15.681	33.999	252.2	25.050	0.089
40	15.633	34.001	252.2	25.063	0.118
50	15.588	34.006	252.3	25.077	0.147
60	13.756	33.999	260.7	25.465	0.175
70	12.712	34.005	273.0	25.680	0.199
80	11.729	33.988	276.5	25.855	0.221
90	11.339	34.014	274.4	25.947	0.243
100	10.840	34.030	272.0	26.049	0.263
110	10.465	34.046	269.8	26.127	0.282
120	10.134	34.073	268.7	26.205	0.301
130	9.992	34.096	266.5	26.248	0.319
140	9.525	34.091	262.6	26.322	0.336
150	9.285	34.132	265.1	26.393	0.353
160	9.360	34.234	251.5	26.461	0.370
170	9.331	34.276	242.9	26.498	0.385
180	9.060	34.282	240.4	26.547	0.401
190	8.878	34.292	238.8	26.584	0.416
200	8.624	34.287	239.3	26.620	0.430
250	7.589	34.271	246.9	26.762	0.499
300	6.974	34.304	251.0	26.874	0.562
350	6.656	34.323	253.8	26.932	0.622
400	6.495	34.330	254.5	26.960	0.680
450	6.330	34.323	256.1	26.976	0.737
500	6.154	34.315	254.3	26.992	0.793
550	5.984	34.304	254.1	27.005	0.850
600	5.802	34.293	252.6	27.019	0.905
650	5.653	34.285	250.4	27.031	0.961
700	5.447	34.275	247.5	27.048	1.016
750	5.204	34.267	241.2	27.071	1.070
800	5.005	34.266	235.1	27.093	1.123
900	4.582	34.276	219.0	27.148	1.226
1000	4.121	34.304	201.7	27.220	1.323
1500	2.841	34.523	134.8	27.519	1.716
2000	2.145	34.622	148.2	27.657	2.013
2500	1.734	34.683	162.2	27.738	2.260
3000	1.493	34.696	171.0	27.767	2.488
3500	1.069	34.706	185.4	27.804	2.701
3997	0.869	34.708	194.7	27.819	2.892

CAST CG2-94-DI -061 DATE 16 MAR 94 TIME 1049 GMT

LAT 39 00.0S LONG 103 00.2W



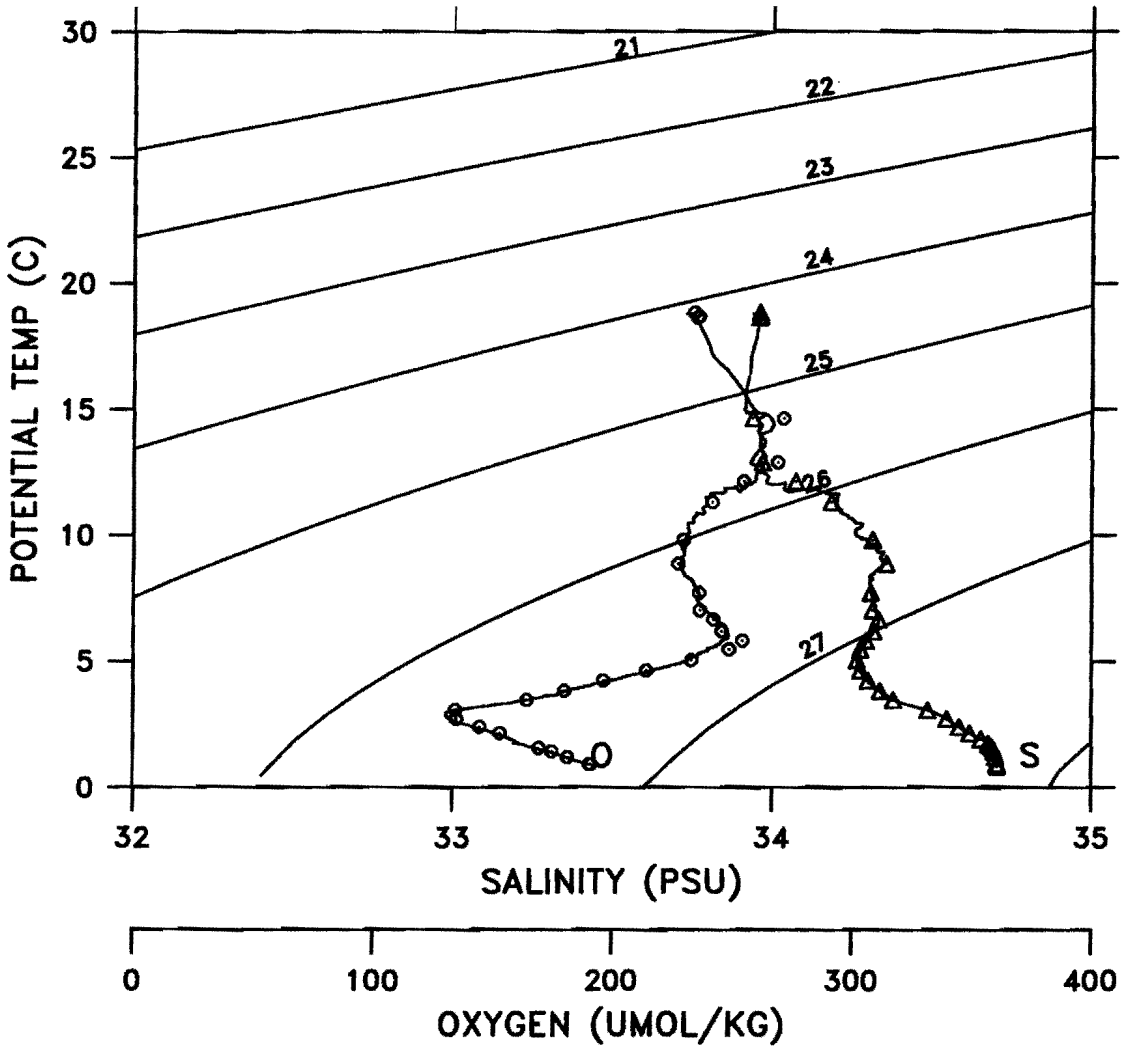


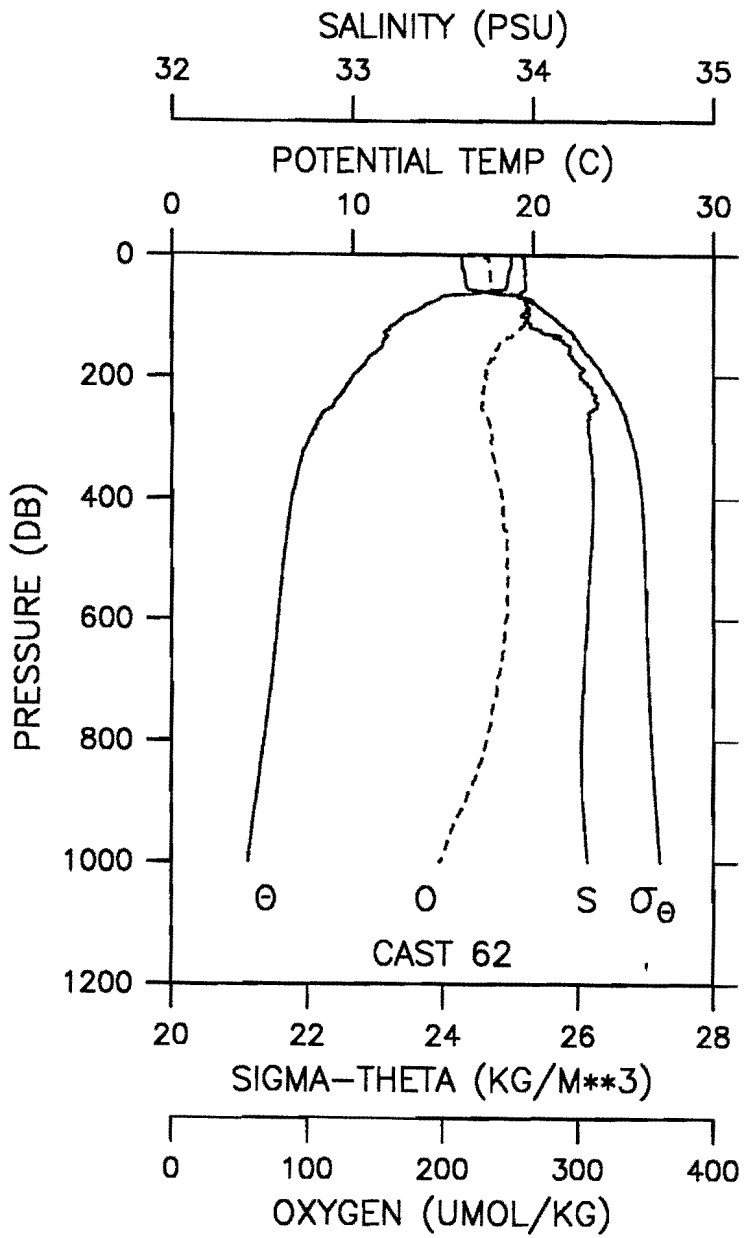
CAST CG2-94-DI -061 DATE 16 MAR 94 TIME 1049 GMT
LAT 39 00.0S LONG 103 00.2W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 245 T SPD 10 KT VISIBILITY 9
CLOUD 8 AMOUNT 3 DRY 16.8 WET 14.2 DEPTH 3834 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	18.015	33.915	244.1	24.439	0.000
10	18.018	33.908	242.5	24.433	0.035
20	17.922	33.897	242.5	24.447	0.070
30	17.704	33.891	242.9	24.496	0.104
40	17.661	33.892	243.1	24.507	0.139
50	15.687	33.925	258.0	24.992	0.172
60	13.969	33.946	272.4	25.379	0.199
70	13.562	33.952	269.4	25.468	0.224
80	13.284	34.011	265.3	25.570	0.249
90	12.988	34.029	258.8	25.643	0.273
100	12.696	34.053	257.4	25.720	0.297
110	12.341	34.100	252.4	25.825	0.319
120	12.167	34.190	245.4	25.929	0.340
130	11.917	34.230	242.5	26.007	0.361
140	11.303	34.210	240.5	26.106	0.381
150	10.957	34.207	240.2	26.166	0.400
160	10.583	34.222	239.1	26.244	0.418
170	10.249	34.225	238.4	26.304	0.436
180	10.091	34.245	237.3	26.347	0.453
190	9.853	34.267	236.7	26.405	0.470
200	9.620	34.298	235.1	26.468	0.486
250	8.540	34.330	236.3	26.666	0.561
300	7.416	34.325	237.8	26.829	0.628
350	6.864	34.336	242.1	26.914	0.689
400	6.578	34.336	246.6	26.953	0.747
450	6.382	34.333	248.3	26.976	0.804
500	6.163	34.319	248.3	26.994	0.861
550	6.003	34.309	249.4	27.006	0.917
600	5.834	34.299	247.8	27.020	0.973
650	5.622	34.286	245.9	27.035	1.028
700	5.465	34.279	242.7	27.049	1.083
750	5.257	34.271	239.4	27.068	1.137
800	5.058	34.268	233.4	27.088	1.191
900	4.596	34.276	217.8	27.147	1.294
1000	4.126	34.303	200.4	27.219	1.392
1500	2.881	34.521	137.5	27.514	1.784
2000	2.164	34.618	146.3	27.653	2.082
2500	1.743	34.682	164.6	27.737	2.332
3000	1.533	34.696	171.0	27.764	2.560
3500	1.163	34.705	183.9	27.797	2.779
3867	0.861	34.708	195.4	27.820	2.922

CAST CG2-94-DI -062 DATE 16 MAR 94 TIME 1718 GMT

LAT 38 30.6S LONG 103 00.9W



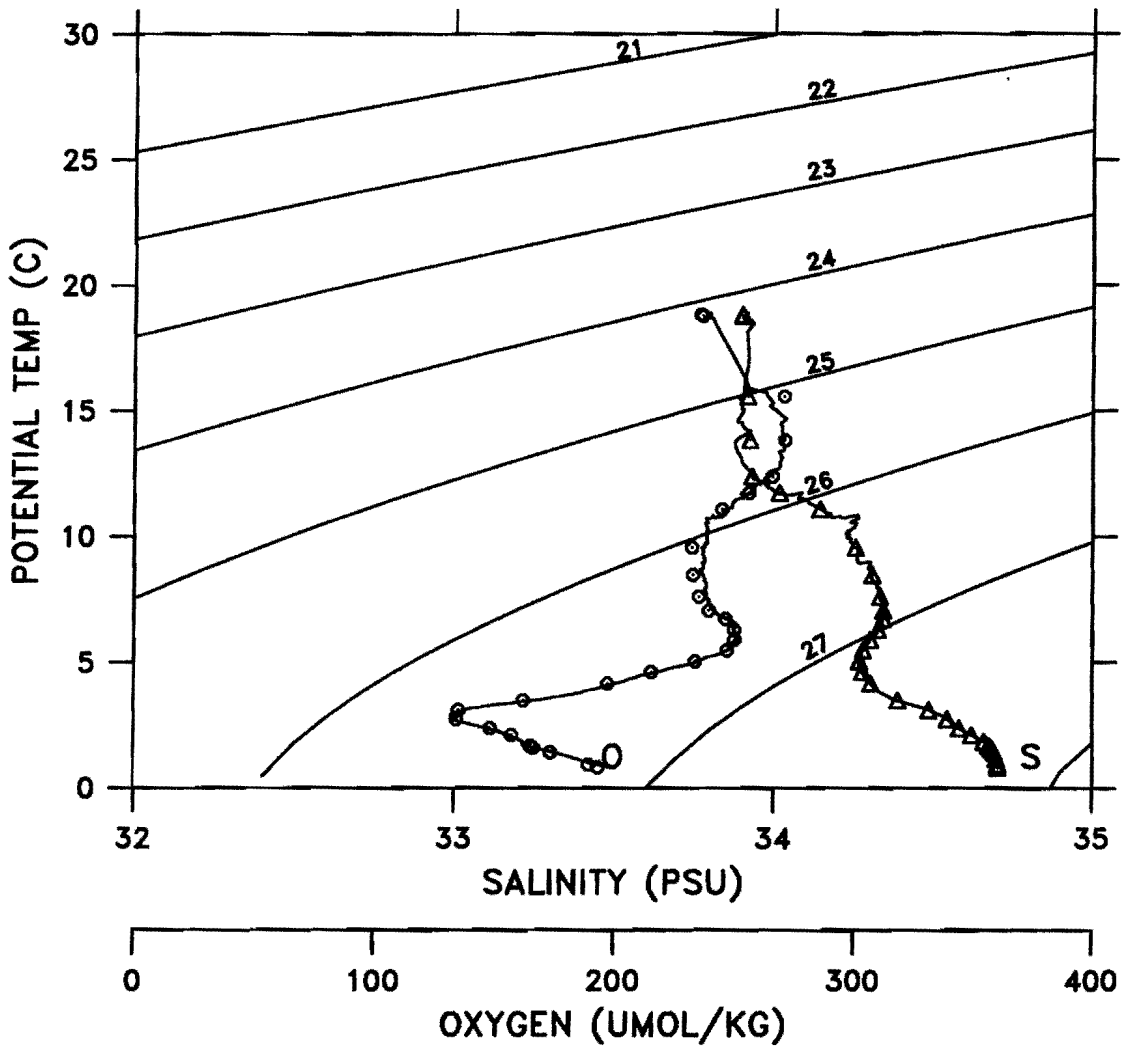


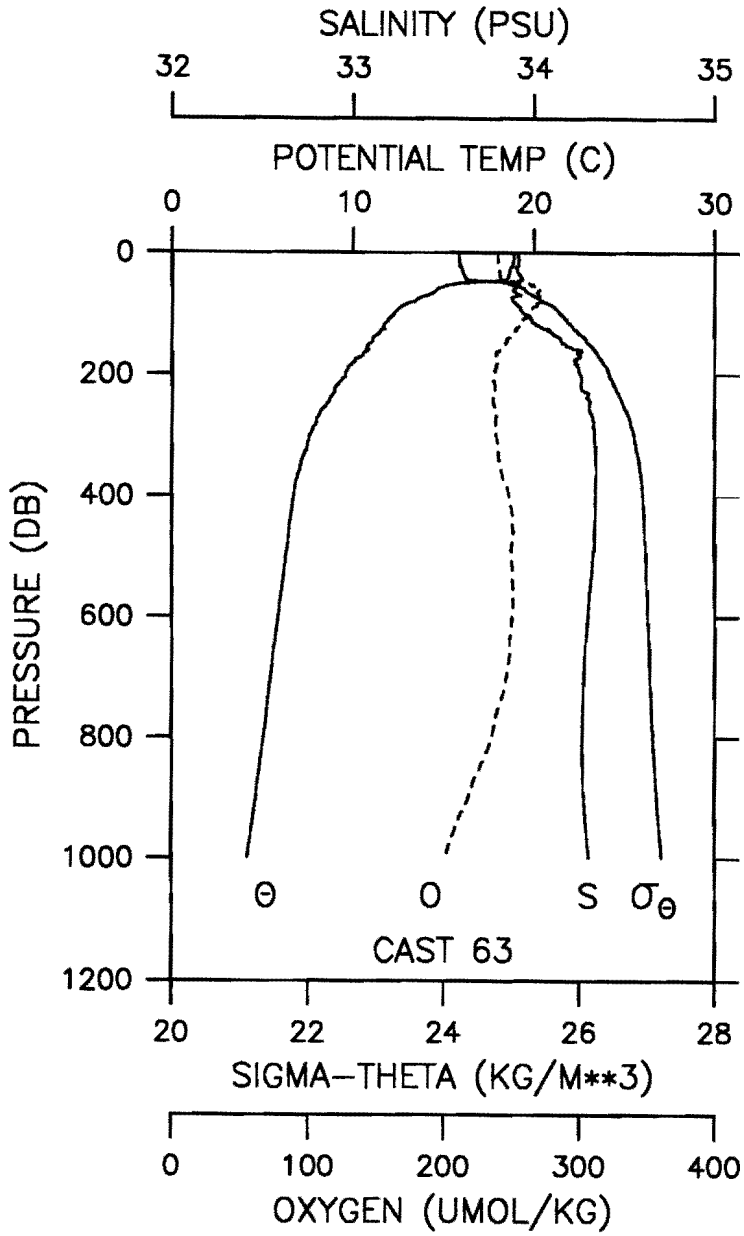
CAST CG2-94-DI -062 DATE 16 MAR 94 TIME 1718 GMT
LAT 38 30.6S LONG 103 00.9W WEATHER 1 SEA STATE 4
BAROMETER 09 WIND DIR 300 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 18.9 WET 16.0 DEPTH 3990 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	18.781	33.941	230.6	24.268	0.000
10	18.779	33.950	233.9	24.276	0.036
20	18.748	33.950	234.1	24.284	0.073
30	18.640	33.957	234.7	24.316	0.109
40	18.583	33.953	235.0	24.327	0.145
50	18.546	33.958	235.1	24.340	0.181
60	17.493	33.941	240.4	24.585	0.217
70	14.853	33.917	260.6	25.170	0.247
80	14.138	33.955	265.8	25.351	0.274
90	13.644	33.976	261.6	25.470	0.300
100	12.869	33.931	263.6	25.592	0.325
110	12.486	33.964	261.2	25.692	0.349
120	12.030	33.994	257.7	25.803	0.371
130	11.776	34.076	252.5	25.914	0.393
140	11.740	34.157	247.0	25.984	0.414
150	11.648	34.201	241.3	26.035	0.434
160	11.354	34.203	239.4	26.091	0.454
170	10.865	34.219	238.2	26.192	0.473
180	10.647	34.249	234.0	26.254	0.491
190	10.324	34.277	231.8	26.332	0.509
200	10.000	34.261	231.7	26.376	0.526
250	8.898	34.357	228.3	26.631	0.603
300	7.611	34.314	236.6	26.793	0.672
350	7.018	34.327	239.2	26.886	0.734
400	6.628	34.334	244.2	26.944	0.793
450	6.406	34.330	245.3	26.971	0.851
500	6.204	34.320	247.9	26.989	0.908
550	6.035	34.311	248.1	27.004	0.964
600	5.874	34.302	246.9	27.017	1.020
650	5.698	34.291	245.0	27.030	1.076
700	5.523	34.282	239.9	27.044	1.131
750	5.315	34.273	236.7	27.062	1.185
800	5.086	34.269	232.4	27.086	1.239
900	4.645	34.276	217.3	27.141	1.343
1000	4.205	34.303	197.4	27.210	1.441
1500	2.896	34.523	130.7	27.514	1.838
2000	2.132	34.623	150.8	27.659	2.137
2500	1.716	34.680	161.0	27.737	2.383
3000	1.547	34.693	167.8	27.760	2.613
3500	1.181	34.703	180.9	27.795	2.835
4000	0.831	34.708	195.0	27.821	3.029
4043	0.826	34.708	195.6	27.822	3.045

CAST CG2-94-DI -063 DATE 16 MAR 94 TIME 2251 GMT

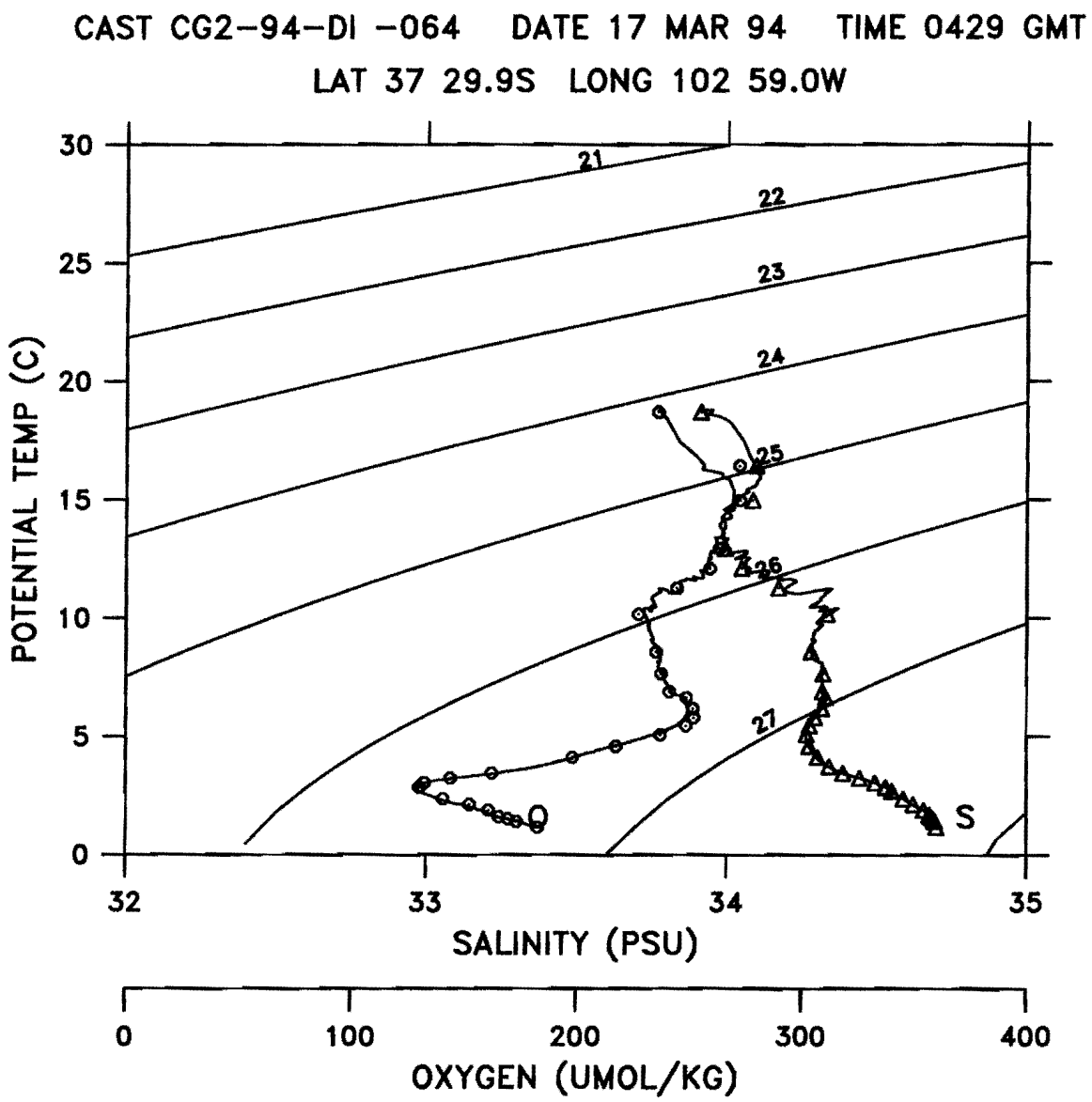
LAT 37 59.9S LONG 102 59.9W

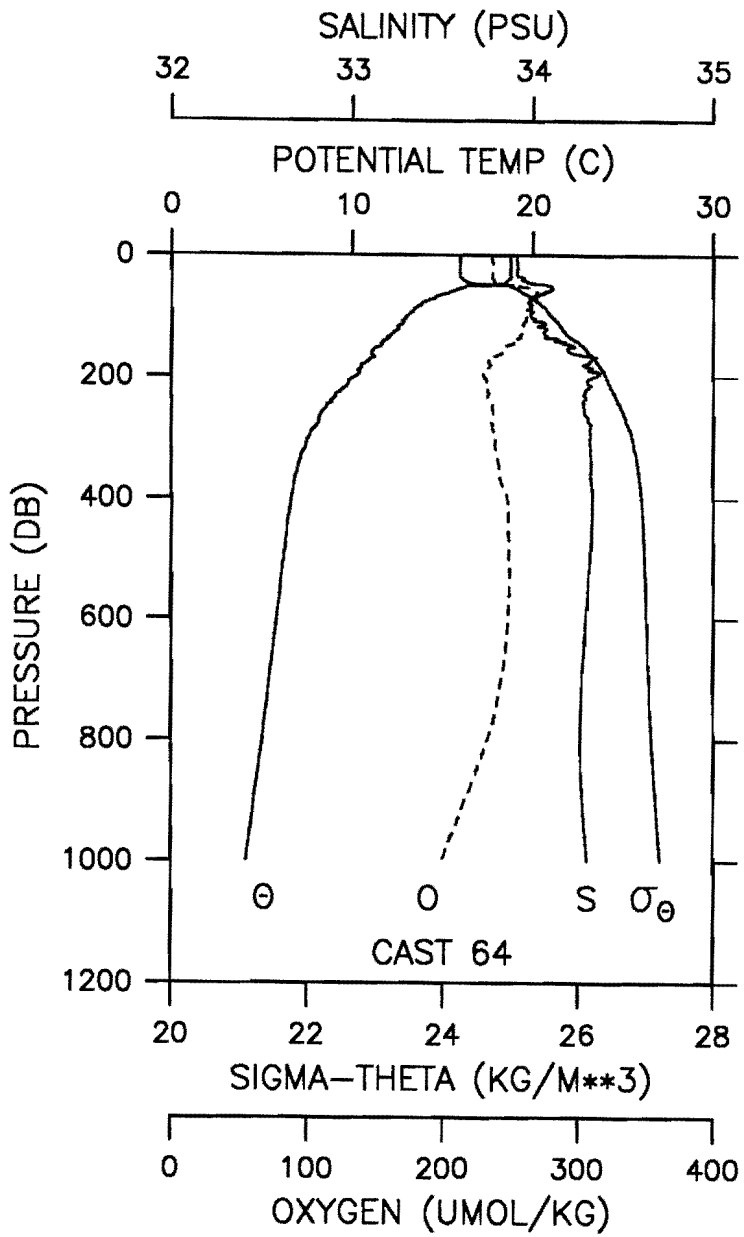




CAST CG2-94-DI -063 DATE 16 MAR 94 TIME 2251 GMT
LAT 37 59.9S LONG 102 59.9W WEATHER 1 SEA STATE 4
BAROMETER 55 WIND DIR 290 T SPD 25 KT VISIBILITY 8
CLOUD 6 AMOUNT 7 DRY 18.7 WET 16.0 DEPTH 4143 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	18.878	33.915	240.0	24.224	0.000
10	18.876	33.916	240.0	24.225	0.037
20	18.814	33.913	239.9	24.239	0.074
30	18.655	33.909	241.0	24.275	0.110
40	18.577	33.928	241.6	24.309	0.147
50	15.892	33.906	256.0	24.931	0.181
60	14.644	33.886	271.6	25.191	0.210
70	14.188	33.927	269.7	25.320	0.237
80	13.402	33.885	270.0	25.449	0.263
90	12.614	33.927	265.8	25.638	0.288
100	12.271	33.947	262.8	25.720	0.311
110	11.921	33.987	258.9	25.818	0.334
120	11.689	34.024	256.1	25.890	0.355
130	11.484	34.094	251.4	25.983	0.376
140	11.132	34.142	248.1	26.084	0.396
150	10.905	34.174	246.0	26.150	0.416
160	10.853	34.263	241.1	26.228	0.434
170	10.537	34.257	238.1	26.280	0.452
180	10.049	34.232	239.0	26.344	0.469
190	9.717	34.245	238.8	26.411	0.486
200	9.565	34.257	237.3	26.445	0.502
250	8.504	34.307	236.9	26.654	0.578
300	7.575	34.333	238.8	26.812	0.646
350	7.078	34.343	241.9	26.891	0.708
400	6.700	34.342	248.3	26.941	0.767
450	6.464	34.335	250.7	26.968	0.825
500	6.250	34.326	250.2	26.988	0.882
550	6.065	34.313	251.1	27.002	0.938
600	5.850	34.300	250.6	27.018	0.994
650	5.616	34.285	249.2	27.036	1.050
700	5.440	34.277	246.6	27.051	1.104
750	5.242	34.272	240.6	27.070	1.159
800	5.041	34.267	234.9	27.090	1.212
900	4.623	34.277	218.2	27.144	1.315
1000	4.158	34.303	200.4	27.216	1.413
1500	2.904	34.526	132.1	27.515	1.808
2000	2.106	34.626	155.9	27.664	2.105
2500	1.686	34.680	163.5	27.739	2.348
3000	1.539	34.691	170.0	27.759	2.578
3500	1.194	34.703	183.4	27.794	2.800
4000	0.839	34.708	198.1	27.821	2.996
4193	0.825	34.708	199.3	27.822	3.070


CAST CG2-94-DI -064 DATE 17 MAR 94 TIME 0429 GMT
LAT 37 29.9S LONG 102 59.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
O
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

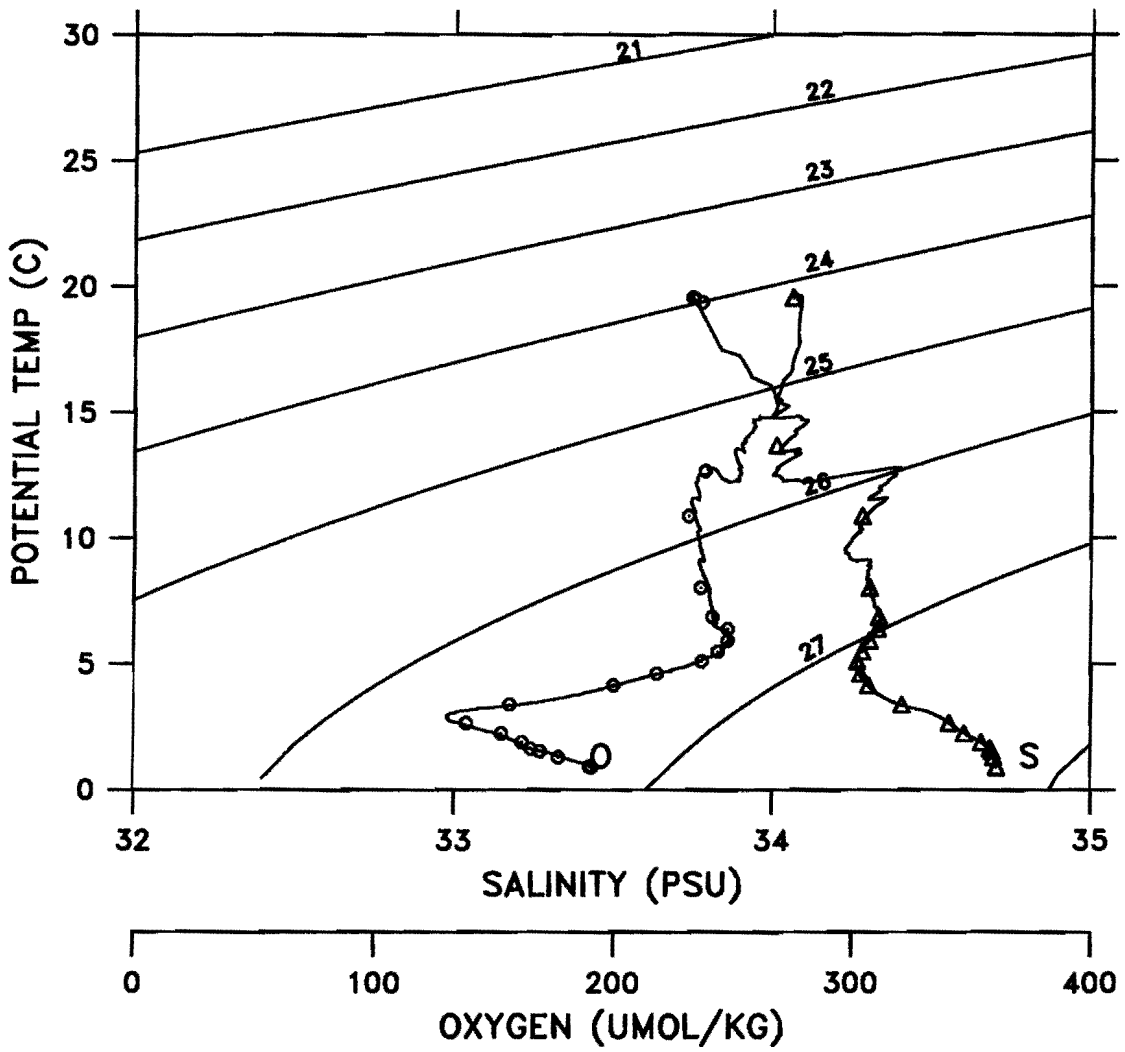


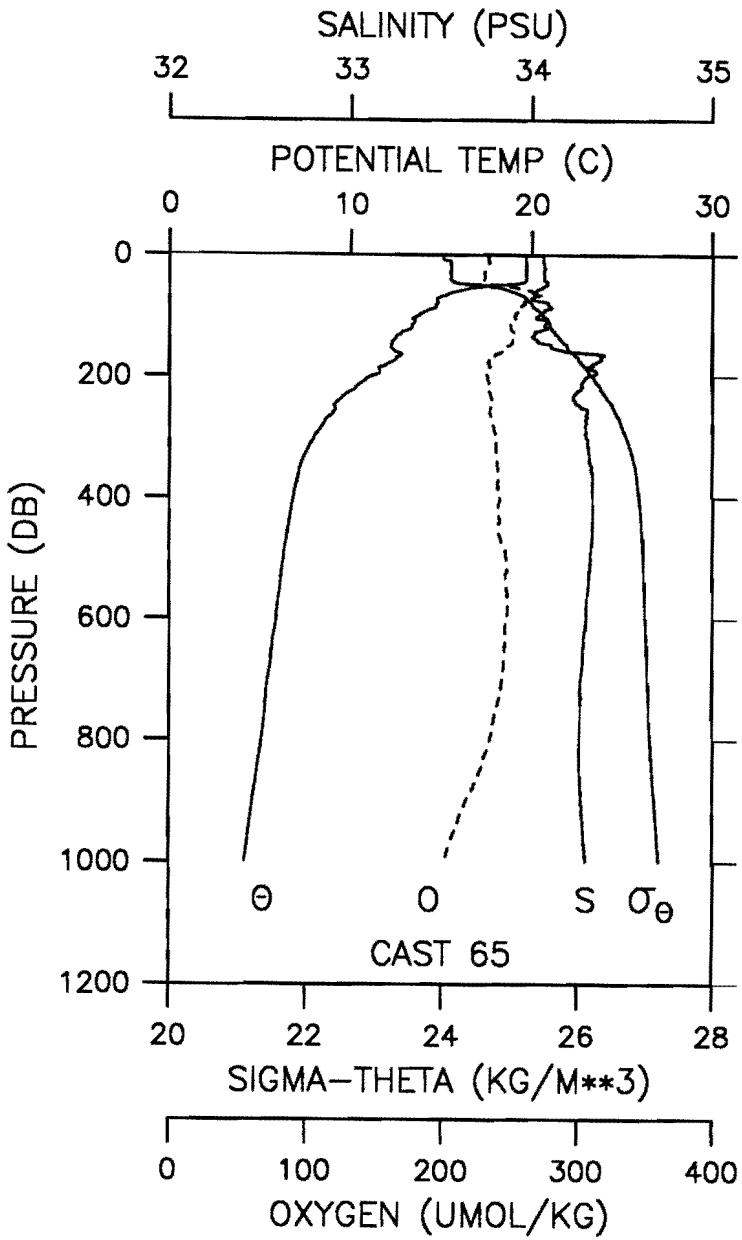
CAST CG2-94-DI -064 DATE 17 MAR 94 TIME 0429 GMT
LAT 37 29.9S LONG 102 59.0W WEATHER 6 SEA STATE 4
BAROMETER 04 WIND DIR 250 T SPD 32 KT VISIBILITY 6
CLOUD X AMOUNT 7 DRY 19.3 WET 16.7 DEPTH 3498 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	18.737	33.912	236.1	24.257	0.000
10	18.738	33.911	236.5	24.256	0.037
20	18.755	33.914	237.1	24.254	0.073
30	18.755	33.915	236.8	24.255	0.110
40	18.632	33.939	237.5	24.304	0.146
50	16.456	34.091	256.4	24.945	0.181
60	15.426	34.066	269.3	25.159	0.210
70	14.584	34.012	269.2	25.301	0.238
80	13.814	33.977	265.9	25.436	0.264
90	13.403	33.991	261.3	25.531	0.289
100	13.060	33.987	261.9	25.597	0.313
110	12.837	34.060	260.2	25.697	0.337
120	12.541	34.068	258.7	25.762	0.360
130	12.179	34.063	258.4	25.828	0.382
140	11.843	34.135	255.9	25.947	0.403
150	11.578	34.228	246.8	26.070	0.424
160	11.074	34.208	243.9	26.146	0.443
170	11.043	34.327	235.9	26.244	0.461
180	10.534	34.283	234.8	26.300	0.479
190	10.293	34.309	233.0	26.363	0.497
200	10.158	34.341	230.3	26.411	0.513
250	8.564	34.282	236.2	26.625	0.591
300	7.597	34.318	238.5	26.798	0.659
350	6.978	34.322	241.4	26.888	0.722
400	6.630	34.330	247.5	26.941	0.781
450	6.394	34.328	248.4	26.971	0.839
500	6.212	34.319	249.0	26.987	0.896
550	6.026	34.308	249.2	27.003	0.952
600	5.831	34.296	248.3	27.018	1.008
650	5.636	34.285	246.5	27.033	1.063
700	5.410	34.274	243.4	27.051	1.118
750	5.218	34.266	239.5	27.069	1.172
800	5.040	34.265	233.1	27.088	1.226
900	4.565	34.275	216.2	27.149	1.329
1000	4.141	34.300	199.4	27.215	1.426
1500	2.863	34.532	129.1	27.524	1.817
2000	2.110	34.625	149.5	27.663	2.111
2500	1.685	34.680	162.4	27.739	2.355
3000	1.534	34.691	168.6	27.760	2.584
3500	1.210	34.702	181.4	27.792	2.805
3533	1.164	34.701	182.9	27.794	2.819

CAST CG2-94-DI -065 DATE 17 MAR 94 TIME 1102 GMT

LAT 36 59.7S LONG 103 00.3W



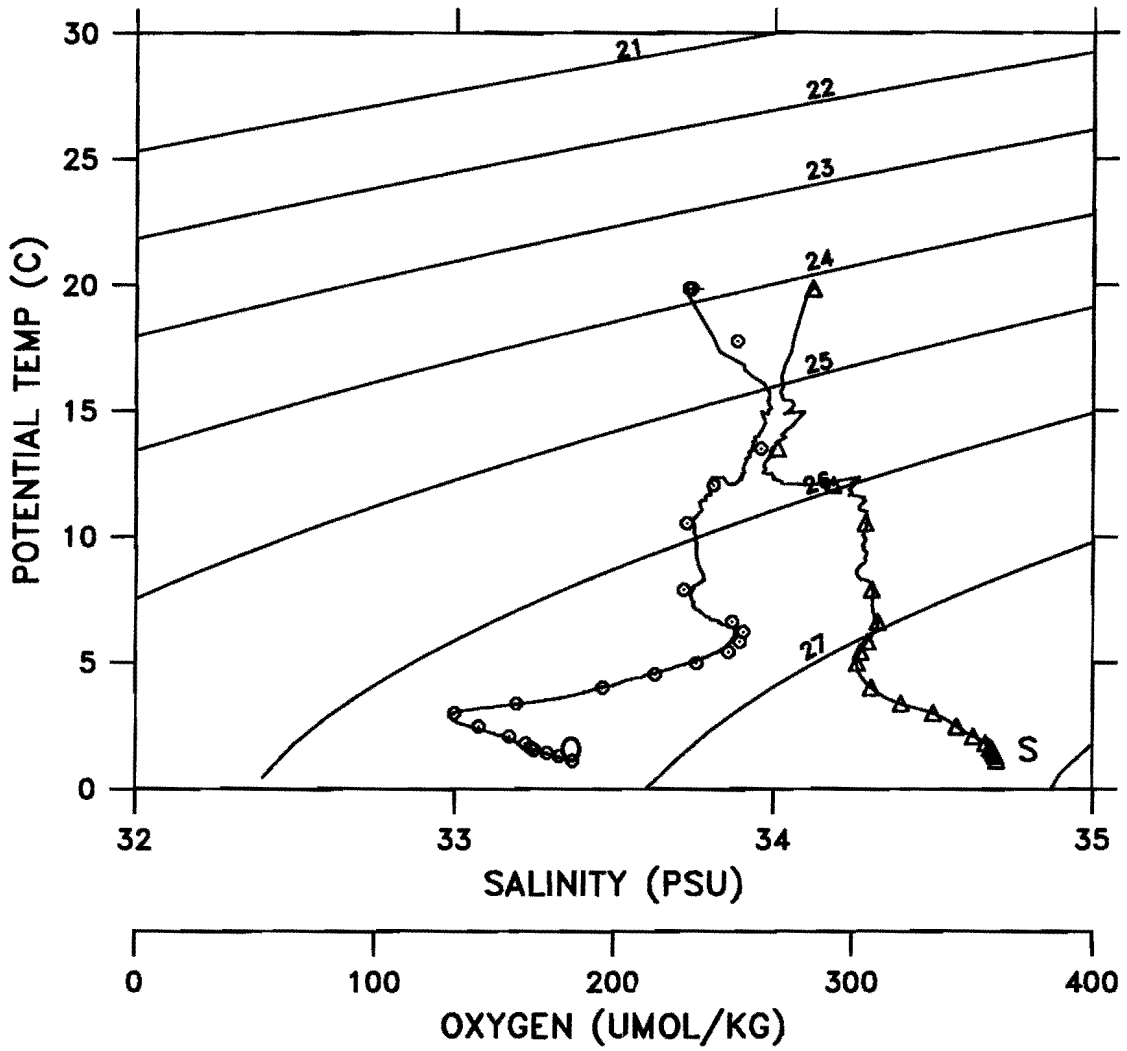


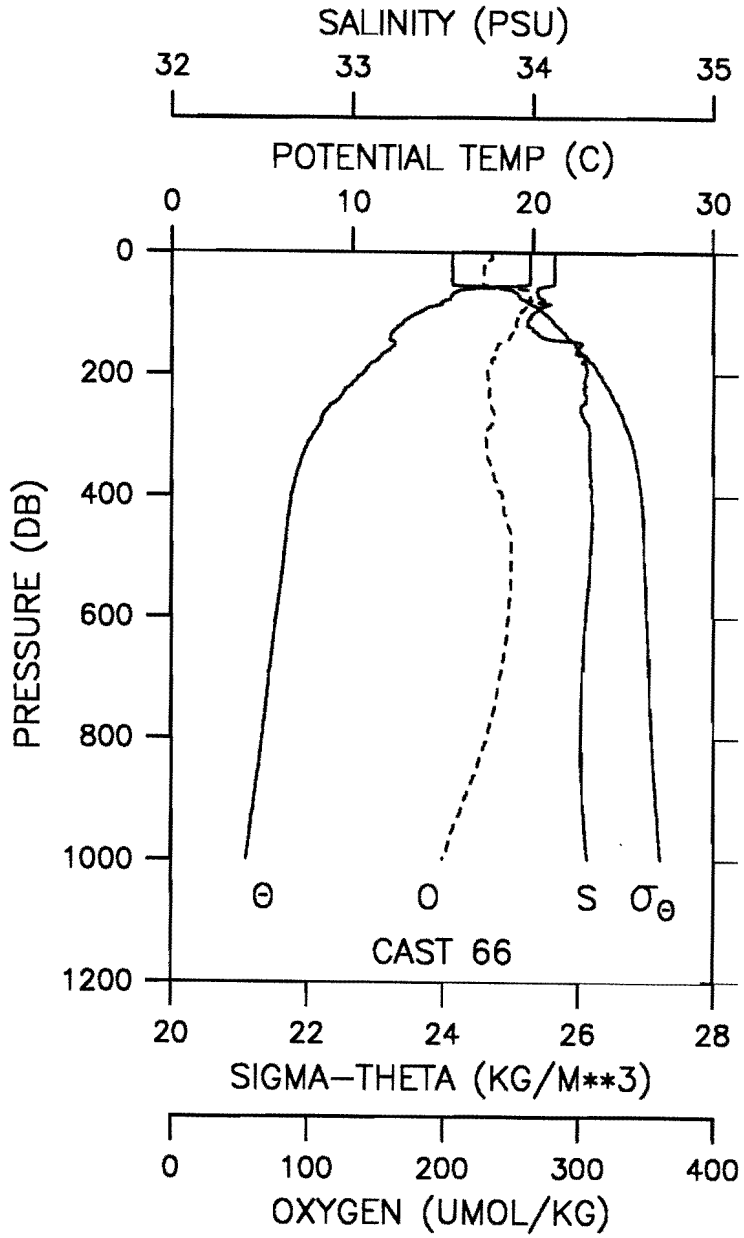
CAST CG2-94-DI -065 DATE 17 MAR 94 TIME 1102 GMT
LAT 36 59.7S LONG 103 00.3W WEATHER 1 SEA STATE 4
BAROMETER 04 WIND DIR 260 T SPD 33 KT VISIBILITY 9
CLOUD 9 AMOUNT 2 DRY 18.2 WET 14.1 DEPTH 4050 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	19.674	34.065	234.6	24.028	0.000
10	19.662	34.065	234.6	24.138	0.039
20	19.687	34.071	232.1	24.136	0.076
30	19.685	34.067	231.6	24.134	0.114
40	19.683	34.067	231.5	24.134	0.152
50	17.745	34.083	243.2	24.633	0.189
60	15.765	34.021	267.2	25.049	0.220
70	14.821	34.001	266.4	25.242	0.248
80	14.750	34.092	261.7	25.327	0.275
90	14.305	34.072	258.3	25.407	0.301
100	13.733	34.038	253.6	25.499	0.327
110	13.521	34.085	251.2	25.579	0.351
120	13.349	34.087	251.2	25.616	0.375
130	12.757	34.019	252.3	25.681	0.399
140	12.376	34.029	252.3	25.763	0.422
150	12.228	34.106	248.3	25.851	0.444
160	12.523	34.249	243.9	25.906	0.466
170	12.507	34.389	235.9	26.017	0.486
180	11.976	34.334	235.0	26.077	0.506
190	11.585	34.347	234.2	26.161	0.526
200	11.108	34.310	233.8	26.219	0.544
250	9.100	34.269	237.2	26.530	0.629
300	7.976	34.302	240.1	26.729	0.701
350	7.210	34.330	241.4	26.862	0.766
400	6.835	34.339	243.0	26.921	0.826
450	6.557	34.337	241.7	26.957	0.885
500	6.301	34.326	247.8	26.982	0.942
550	6.099	34.313	248.1	26.998	0.999
600	5.889	34.301	247.9	27.014	1.055
650	5.653	34.285	246.6	27.031	1.111
700	5.433	34.272	245.0	27.047	1.166
750	5.277	34.270	240.2	27.065	1.220
800	5.099	34.266	235.4	27.082	1.274
900	4.593	34.275	218.2	27.146	1.378
1000	4.156	34.299	200.8	27.213	1.475
1500	2.873	34.530	130.7	27.522	1.868
2000	2.104	34.625	154.1	27.663	2.163
2500	1.687	34.680	164.0	27.740	2.406
3000	1.542	34.692	170.0	27.760	2.635
3500	1.169	34.702	182.7	27.794	2.857
4000	0.901	34.707	194.4	27.816	3.054
4100	0.897	34.707	194.6	27.817	3.094

CAST CG2-94-DI -066 DATE 17 MAR 94 TIME 1713 GMT

LAT 36 29.9S LONG 103 00.1W



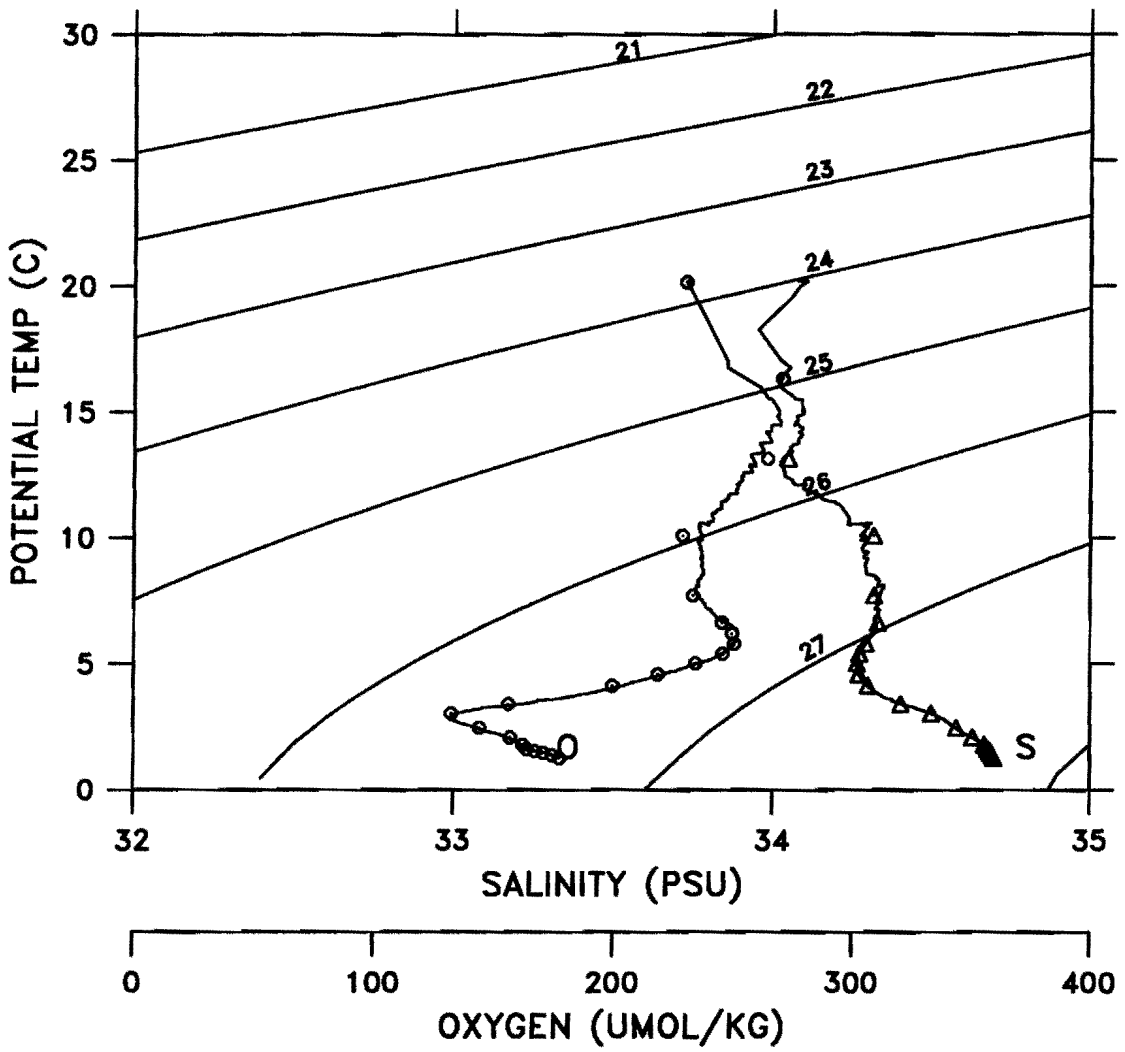


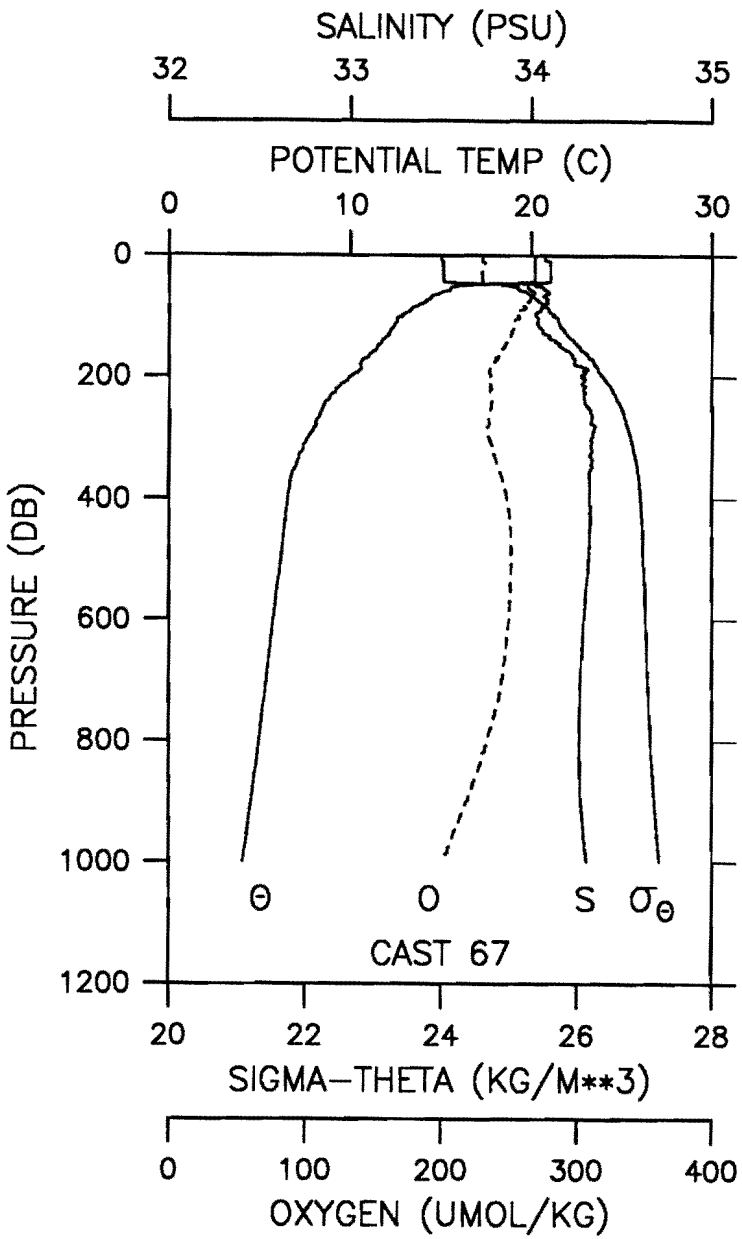
CAST CG2-94-DI -066 DATE 17 MAR 94 TIME 1713 GMT
LAT 36 29.9S LONG 103 00.1W WEATHER 2 SEA STATE 5
BAROMETER 18 WIND DIR 250 T SPD 31 KT VISIBILITY 7
CLOUD 7 AMOUNT 6 DRY 19.0 WET 15.4 DEPTH 3479 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	19.833	34.121	235.7	24.137	0.000
10	19.830	34.119	236.1	24.135	0.038
20	19.830	34.119	230.6	24.136	0.076
30	19.831	34.119	230.2	24.135	0.113
40	19.831	34.119	229.9	24.135	0.151
50	19.828	34.118	229.4	24.136	0.189
60	16.353	34.023	257.5	24.916	0.224
70	15.499	34.026	264.1	25.112	0.253
80	15.061	34.056	264.9	25.232	0.281
90	14.217	34.037	261.3	25.398	0.308
100	13.612	34.003	257.6	25.497	0.334
110	13.003	33.974	254.9	25.598	0.358
120	12.558	33.965	254.2	25.678	0.382
130	12.252	34.009	252.3	25.772	0.405
140	12.107	34.068	248.9	25.845	0.427
150	12.353	34.271	240.5	25.956	0.448
160	12.067	34.255	239.0	25.998	0.469
170	11.583	34.285	237.5	26.112	0.489
180	11.165	34.271	235.9	26.178	0.508
190	10.799	34.297	233.8	26.264	0.526
200	10.545	34.297	232.9	26.309	0.544
250	8.799	34.271	235.5	26.580	0.625
300	7.806	34.315	232.1	26.765	0.695
350	7.098	34.314	235.0	26.865	0.759
400	6.604	34.323	243.9	26.939	0.819
450	6.396	34.328	248.4	26.971	0.876
500	6.234	34.320	250.5	26.985	0.933
550	6.030	34.308	250.1	27.002	0.990
600	5.790	34.293	248.5	27.021	1.046
650	5.587	34.282	245.8	27.037	1.101
700	5.385	34.273	242.2	27.054	1.156
750	5.212	34.267	237.9	27.070	1.210
800	5.011	34.265	232.2	27.092	1.263
900	4.573	34.273	216.0	27.147	1.366
1000	4.112	34.301	199.6	27.219	1.464
1500	2.851	34.532	131.0	27.525	1.851
2000	2.080	34.630	153.9	27.669	2.141
2500	1.669	34.679	161.8	27.740	2.384
3000	1.519	34.690	167.5	27.760	2.613
3500	1.167	34.702	180.1	27.794	2.834
3535	1.125	34.703	182.0	27.798	2.849

CAST CG2-94-DI -067 DATE 17 MAR 94 TIME 2306 GMT

LAT 35 59.6S LONG 102 59.5W



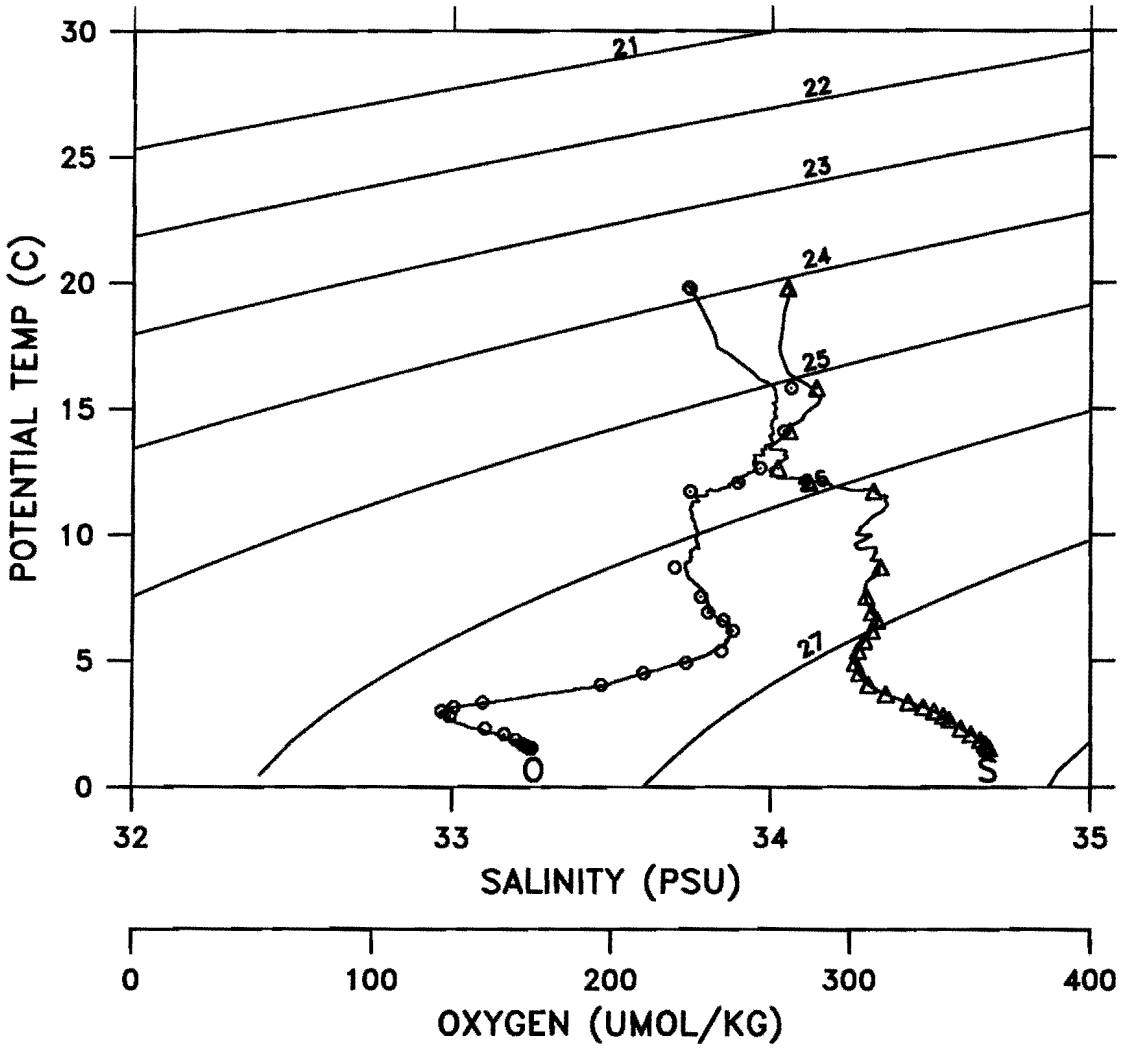


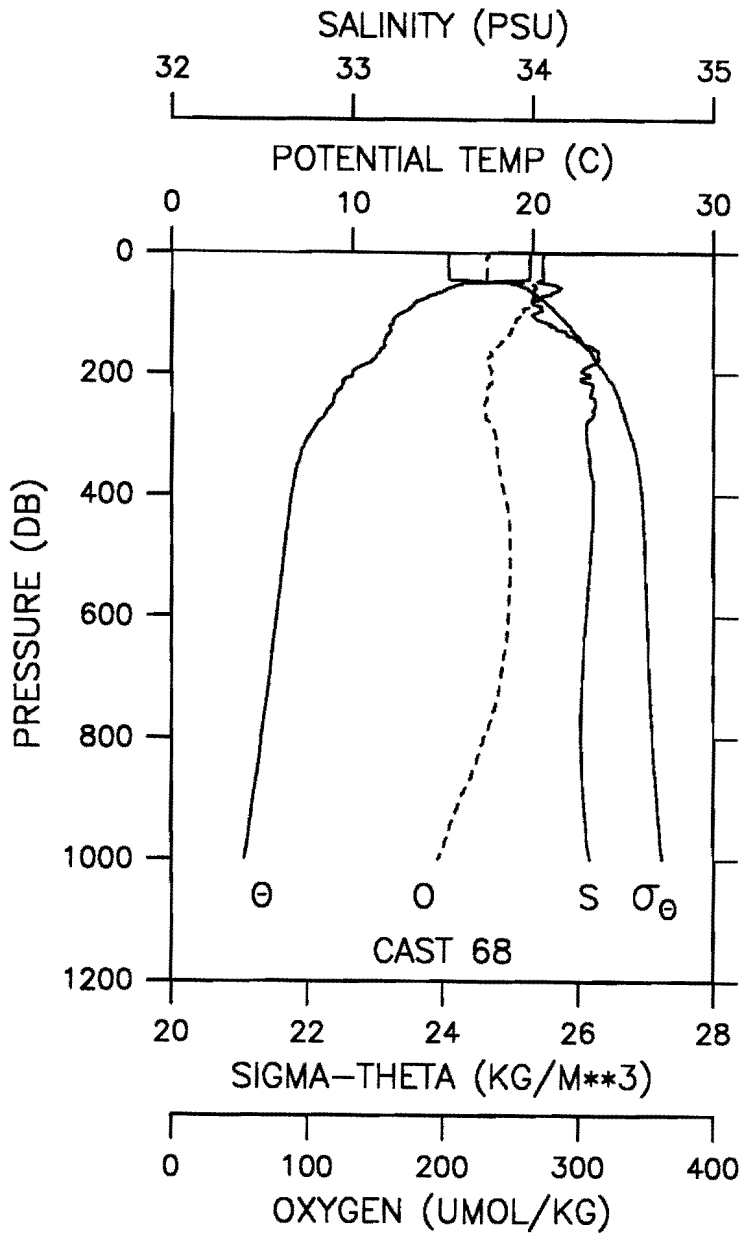
CAST CG2-94-DI -067 DATE 17 MAR 94 TIME 2306 GMT
LAT 35 59.6S LONG 102 59.5W WEATHER 1 SEA STATE 6
BAROMETER 12 WIND DIR 250 T SPD 23 KT VISIBILITY 9
CLOUD 8 AMOUNT 3 DRY 19.1 WET 15.0 DEPTH 4483 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	20.185	34.080	230.8	24.012	0.000
10	20.184	34.106	230.8	24.033	0.039
20	20.186	34.107	230.5	24.034	0.078
30	20.184	34.108	230.5	24.034	0.116
40	20.182	34.107	230.3	24.034	0.155
50	15.999	34.020	260.8	24.995	0.191
60	15.092	34.096	268.9	25.256	0.219
70	14.462	34.083	265.9	25.382	0.246
80	13.895	34.079	265.7	25.498	0.271
90	13.340	34.054	259.4	25.592	0.296
100	12.912	34.026	256.8	25.657	0.320
110	12.534	34.036	254.2	25.738	0.342
120	12.364	34.050	253.1	25.782	0.365
130	12.083	34.075	251.9	25.856	0.387
140	11.777	34.129	251.4	25.955	0.408
150	11.511	34.160	246.6	26.029	0.429
160	11.251	34.215	244.9	26.119	0.448
170	10.880	34.236	241.0	26.202	0.467
180	10.516	34.240	239.5	26.270	0.485
190	10.457	34.288	236.1	26.317	0.503
200	10.030	34.293	236.1	26.395	0.520
250	8.507	34.314	236.9	26.659	0.597
300	7.651	34.334	235.2	26.802	0.664
350	6.925	34.330	242.4	26.902	0.726
400	6.553	34.323	248.7	26.946	0.785
450	6.348	34.324	251.4	26.974	0.842
500	6.181	34.318	251.8	26.991	0.899
550	5.943	34.303	251.2	27.009	0.955
600	5.745	34.292	250.2	27.025	1.011
650	5.551	34.281	247.9	27.040	1.066
700	5.376	34.273	244.8	27.055	1.120
750	5.156	34.268	239.8	27.077	1.174
800	4.978	34.266	233.6	27.096	1.227
900	4.521	34.275	219.0	27.154	1.330
1000	4.069	34.305	201.2	27.226	1.426
1500	2.820	34.536	132.6	27.531	1.811
2000	2.080	34.631	155.7	27.670	2.101
2500	1.655	34.676	163.7	27.739	2.342
3000	1.512	34.686	169.4	27.757	2.571
3500	1.313	34.696	178.5	27.780	2.797
3655	1.258	34.699	181.1	27.786	2.865

CAST CG2-94-DI -068 DATE 18 MAR 94 TIME 0431 GMT

LAT 35 30.0S LONG 103 00.0W



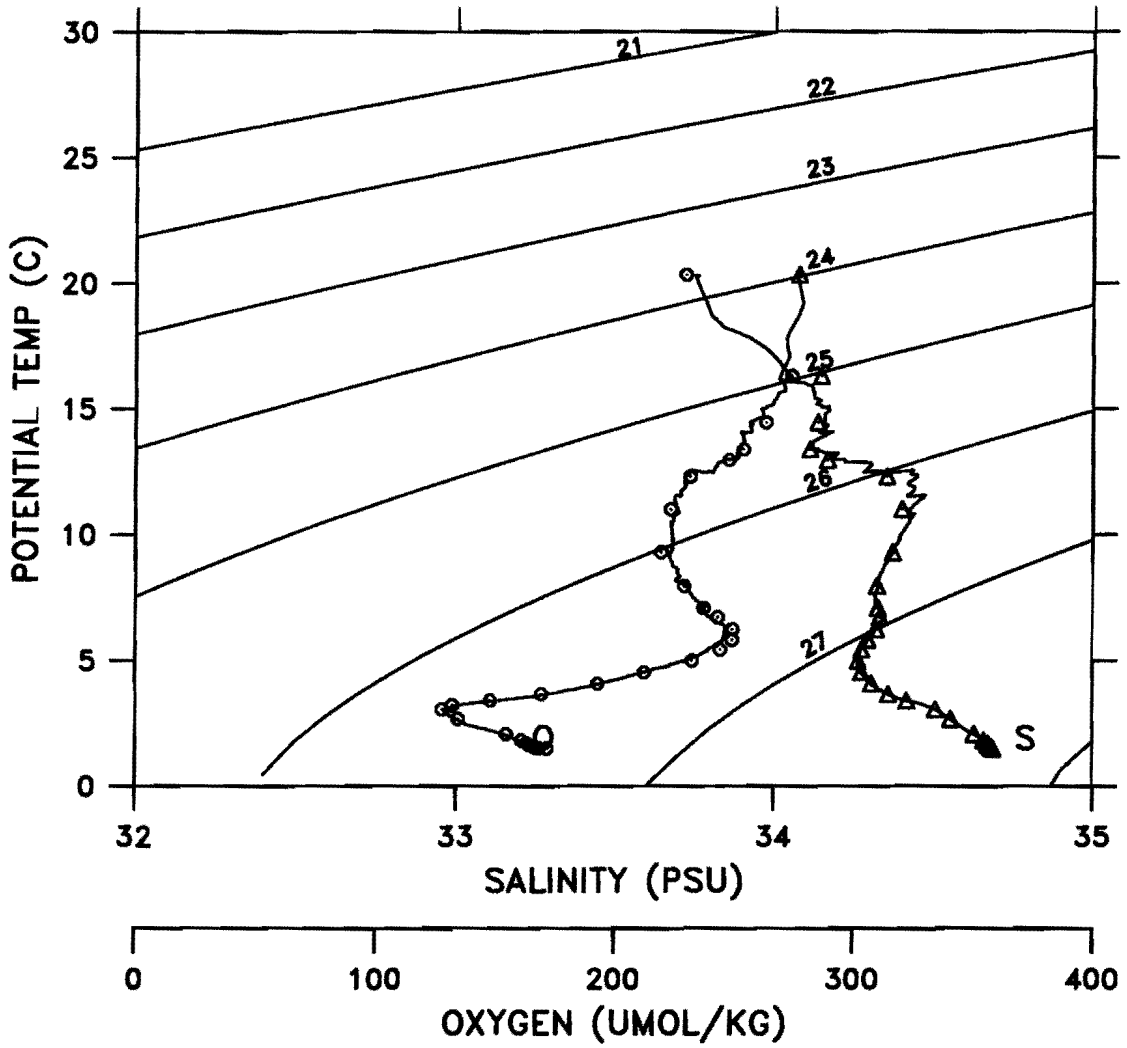


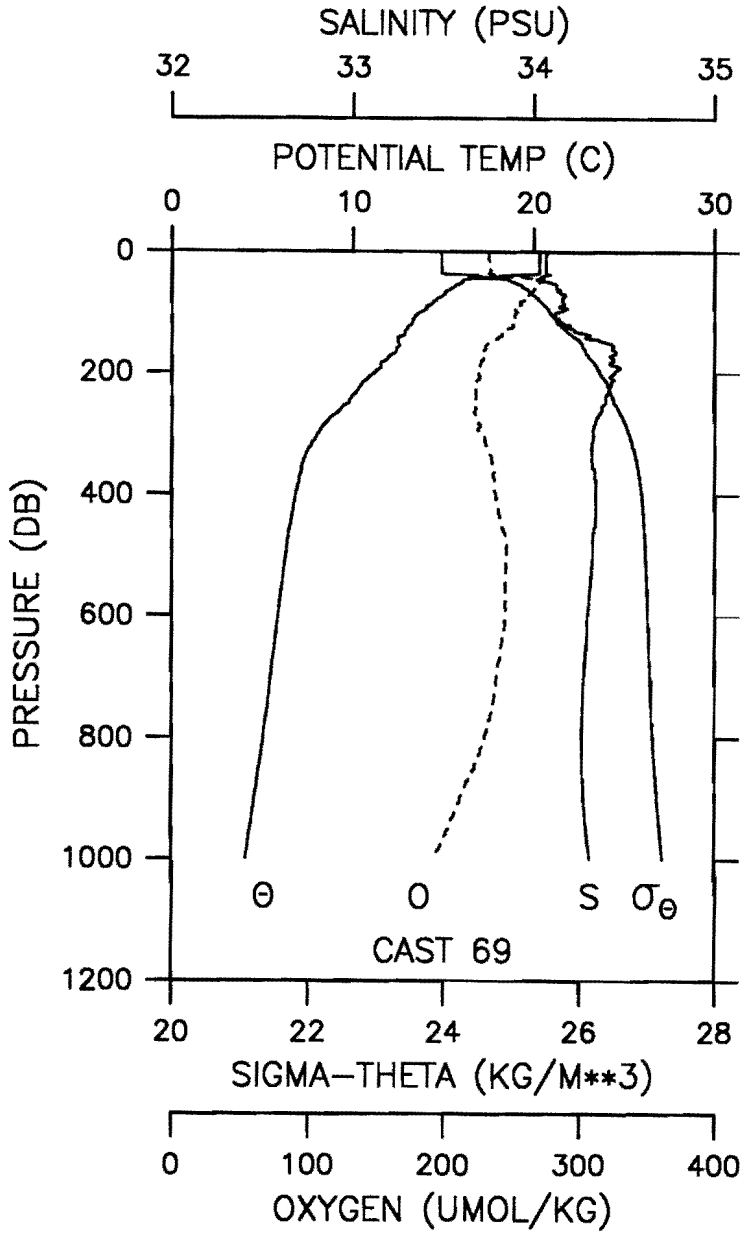
CAST CG2-94-DI -068 DATE 18 MAR 94 TIME 0431 GMT
LAT 35 30.0S LONG 103 00.0W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 280 T SPD 20 KT VISIBILITY 7
CLOUD X AMOUNT 6 DRY 19.0 WET 15.8 DEPTH 3099 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	19.836	34.061	233.6	24.090	0.000
10	19.835	34.054	231.9	24.085	0.038
20	19.832	34.056	233.0	24.087	0.076
30	19.826	34.056	232.8	24.088	0.115
40	19.819	34.057	232.6	24.091	0.153
50	16.424	34.052	258.9	24.923	0.189
60	15.242	34.148	268.3	25.263	0.217
70	14.459	34.083	266.9	25.383	0.244
80	13.596	34.008	267.0	25.504	0.270
90	13.305	34.047	263.0	25.594	0.294
100	12.724	34.012	259.9	25.683	0.318
110	12.286	34.020	253.9	25.774	0.341
120	12.114	34.092	253.3	25.863	0.363
130	12.123	34.182	250.3	25.930	0.384
140	11.855	34.225	247.0	26.015	0.405
150	11.764	34.271	242.9	26.068	0.424
160	11.554	34.343	239.7	26.163	0.444
170	11.327	34.361	236.3	26.219	0.462
180	11.060	34.357	233.0	26.264	0.481
190	10.363	34.291	235.0	26.336	0.498
200	9.990	34.295	235.7	26.404	0.515
250	8.906	34.348	231.2	26.623	0.592
300	7.643	34.297	238.8	26.775	0.661
350	6.932	34.315	241.4	26.889	0.724
400	6.626	34.334	245.7	26.945	0.783
450	6.411	34.330	249.4	26.971	0.841
500	6.203	34.319	249.8	26.989	0.898
550	6.003	34.307	249.5	27.005	0.954
600	5.792	34.295	248.7	27.022	1.010
650	5.576	34.283	246.6	27.039	1.065
700	5.408	34.275	243.0	27.053	1.120
750	5.168	34.267	238.3	27.075	1.174
800	4.929	34.265	230.0	27.101	1.226
900	4.475	34.280	212.8	27.163	1.329
1000	3.995	34.314	194.8	27.241	1.424
1500	2.821	34.541	129.5	27.535	1.806
2000	2.095	34.626	152.1	27.665	2.096
2500	1.642	34.676	162.5	27.740	2.337
3000	1.529	34.684	167.4	27.755	2.565
3158	1.531	34.684	167.6	27.755	2.638

CAST CG2-94-DI -069 DATE 18 MAR 94 TIME 0953 GMT

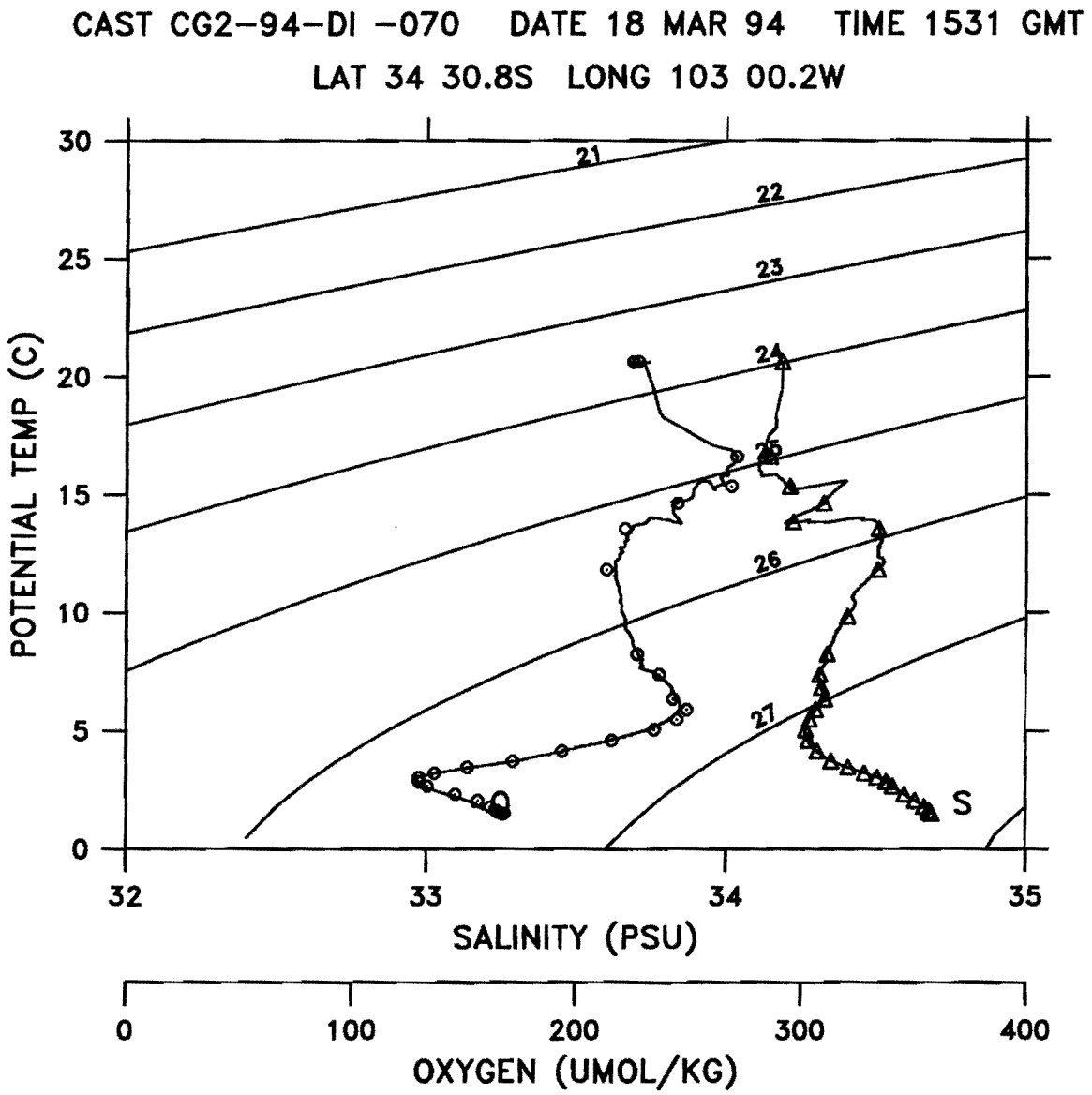
LAT 34 59.9S LONG 103 00.2W

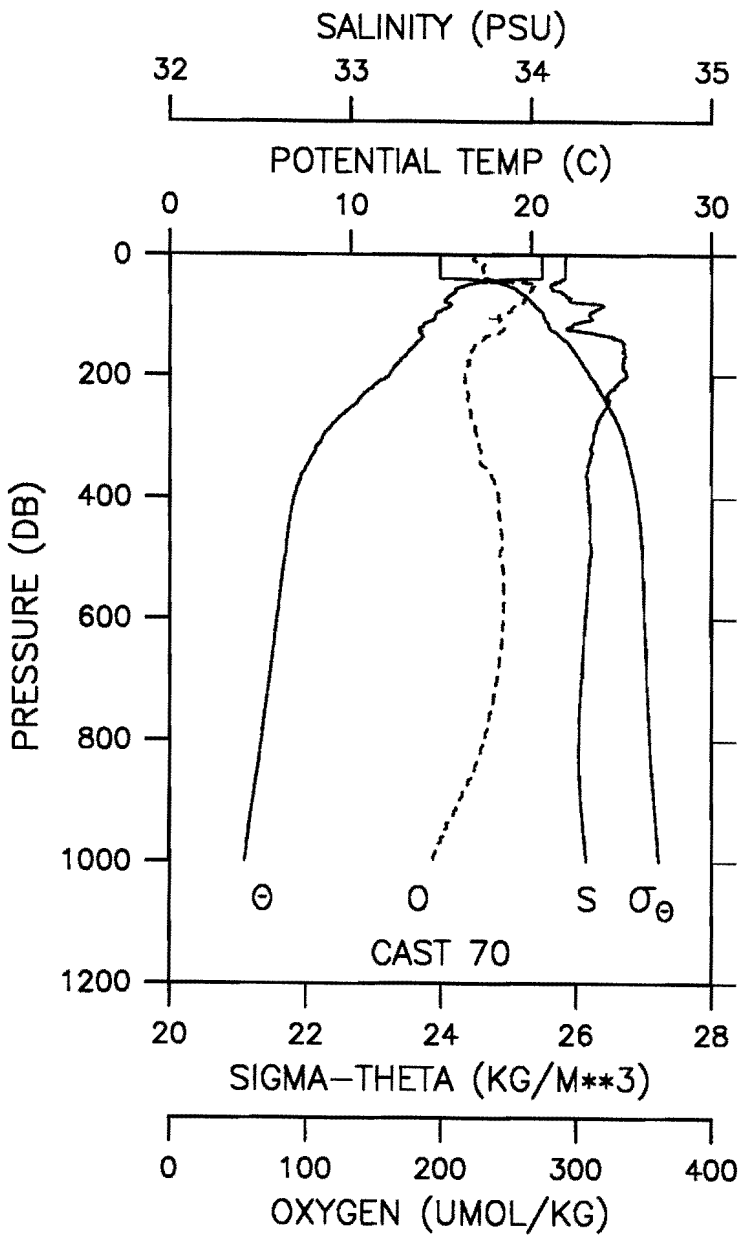




CAST CG2-94-DI -069 DATE 18 MAR 94 TIME 0953 GMT
LAT 34 59.9S LONG 103 00.2W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 230 T SPD 12 KT VISIBILITY 9
CLOUD 8 AMOUNT 1 DRY 20.0 WET 17.1 DEPTH 3600 M

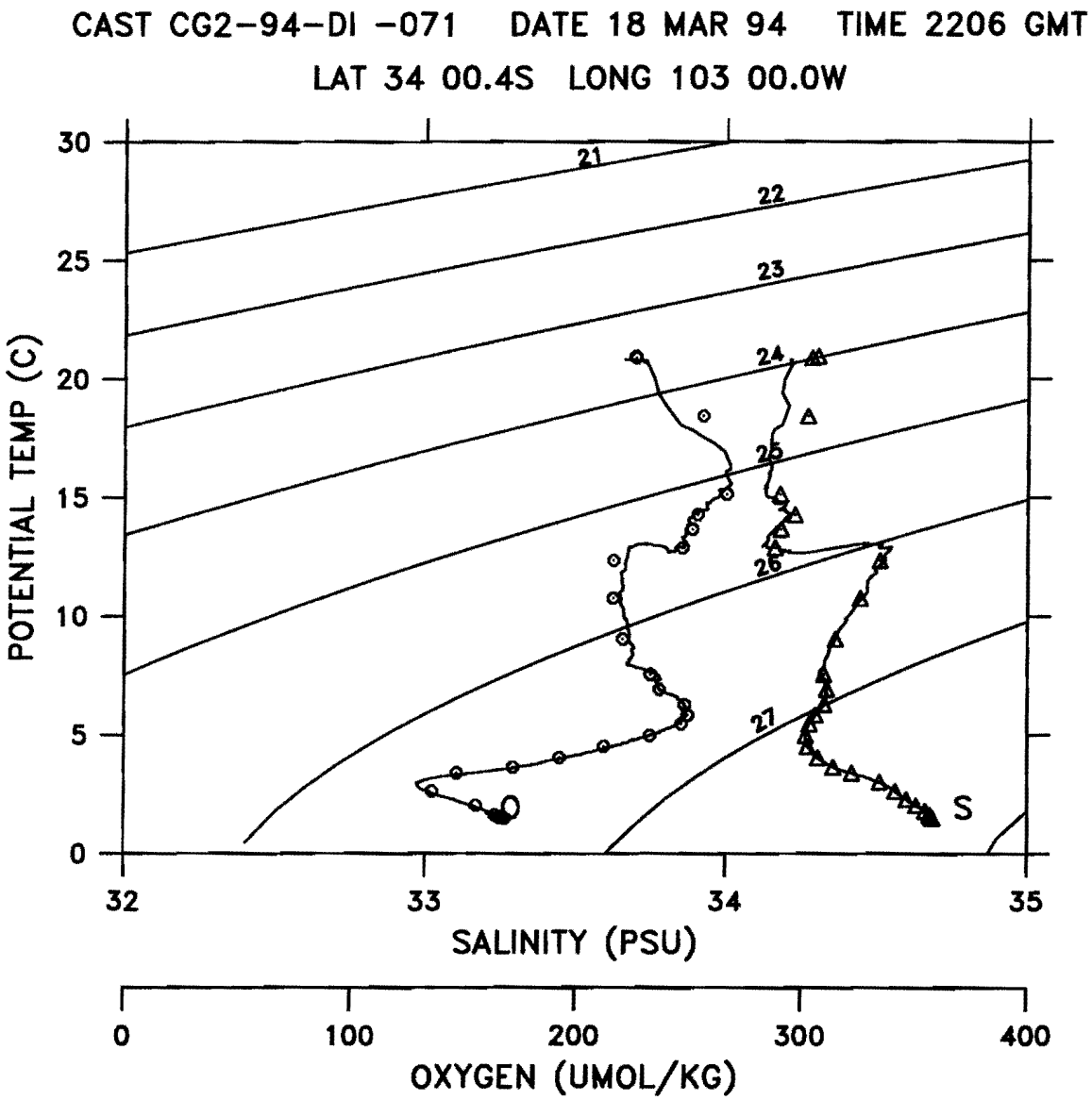
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	20.309	34.072	233.5	23.974	0.000
10	20.307	34.068	233.5	23.971	0.039
20	20.304	34.069	233.5	23.973	0.079
30	20.305	34.069	234.4	23.972	0.118
40	18.233	34.054	245.4	24.492	0.156
50	16.051	34.077	271.1	25.027	0.188
60	15.496	34.127	267.9	25.190	0.216
70	15.080	34.173	263.3	25.318	0.243
80	14.603	34.161	259.6	25.411	0.270
90	14.091	34.143	257.3	25.506	0.295
100	13.770	34.134	254.1	25.566	0.320
110	13.400	34.138	251.9	25.645	0.344
120	13.226	34.168	252.0	25.704	0.367
130	12.918	34.222	244.9	25.807	0.390
140	12.689	34.302	242.0	25.914	0.411
150	12.498	34.395	235.6	26.024	0.432
160	12.396	34.432	231.3	26.073	0.452
170	12.151	34.438	230.0	26.124	0.471
180	11.793	34.443	228.5	26.196	0.490
190	11.563	34.477	226.1	26.265	0.509
200	11.216	34.446	225.8	26.305	0.526
250	9.754	34.394	224.2	26.520	0.608
300	8.048	34.330	228.8	26.740	0.680
350	7.182	34.324	236.5	26.861	0.745
400	6.818	34.343	238.6	26.927	0.805
450	6.550	34.340	242.7	26.960	0.864
500	6.292	34.326	246.8	26.983	0.921
550	6.078	34.314	245.8	27.001	0.977
600	5.860	34.299	245.3	27.016	1.033
650	5.662	34.289	242.7	27.033	1.089
700	5.442	34.278	239.3	27.051	1.144
750	5.272	34.272	236.3	27.066	1.198
800	5.035	34.265	230.7	27.089	1.251
900	4.549	34.275	212.7	27.152	1.354
1000	4.070	34.308	192.4	27.229	1.451
1500	2.857	34.536	130.1	27.528	1.837
2000	2.070	34.630	153.1	27.670	2.128
2500	1.648	34.677	162.4	27.740	2.370
3000	1.522	34.687	167.4	27.757	2.597
3500	1.499	34.690	170.0	27.761	2.830
3578	1.496	34.690	170.0	27.761	2.867

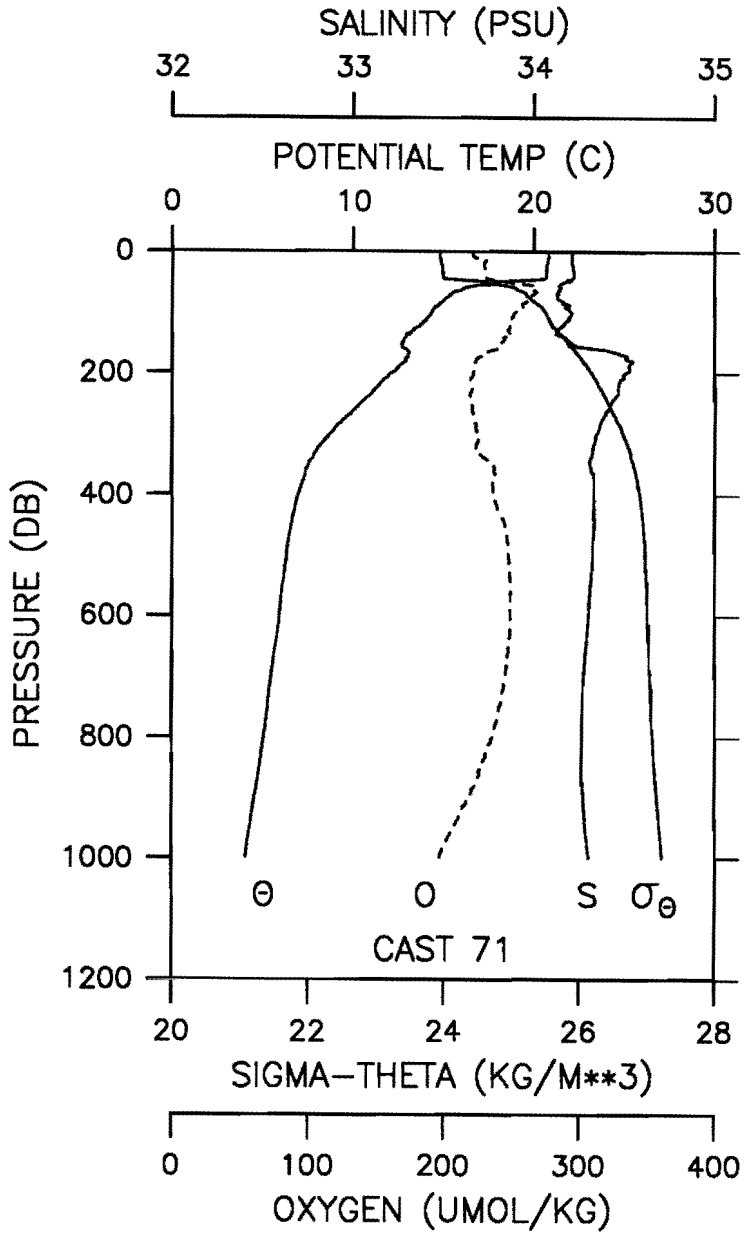

CAST CG2-94-DI -070 DATE 18 MAR 94 TIME 1531 GMT
LAT 34 30.8S LONG 103 00.2W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)



CAST CG2-94-DI -070 DATE 18 MAR 94 TIME 1531 GMT
LAT 34 30.8S LONG 103 00.2W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 320 T SPD 16 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 21.2 WET 18.3 DEPTH 3434 M

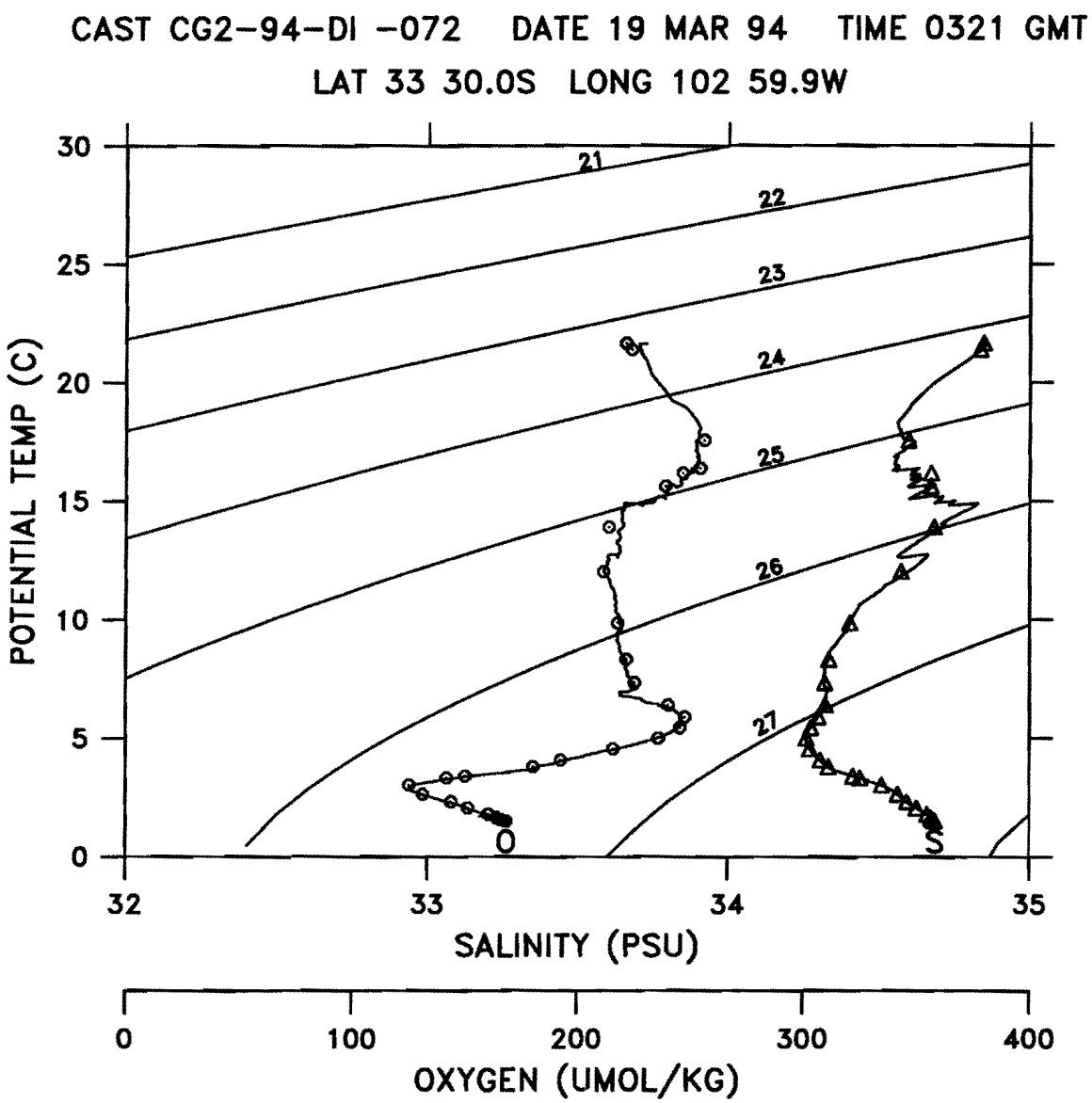
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	20.604	34.195	225.0	23.989	0.000
10	20.601	34.190	225.1	23.986	0.039
20	20.602	34.191	230.8	23.986	0.078
30	20.599	34.190	231.5	23.987	0.118
40	19.417	34.183	234.5	24.292	0.157
50	16.426	34.112	271.0	24.968	0.189
60	15.845	34.166	266.1	25.142	0.218
70	15.426	34.202	264.4	25.264	0.246
80	15.394	34.312	260.2	25.355	0.272
90	15.175	34.365	252.0	25.444	0.298
100	14.698	34.325	242.6	25.518	0.324
110	14.433	34.298	243.0	25.554	0.348
120	13.961	34.219	245.3	25.592	0.373
130	13.852	34.356	242.9	25.721	0.396
140	13.923	34.487	232.0	25.807	0.419
150	13.543	34.512	225.3	25.906	0.441
160	13.214	34.510	222.6	25.971	0.462
170	12.932	34.518	222.1	26.033	0.482
180	12.602	34.508	220.7	26.091	0.502
190	12.330	34.512	219.7	26.147	0.521
200	12.148	34.531	217.6	26.197	0.540
250	10.157	34.423	220.4	26.475	0.626
300	8.461	34.348	226.7	26.692	0.701
350	7.544	34.315	232.0	26.803	0.768
400	6.858	34.318	242.5	26.901	0.830
450	6.549	34.328	244.0	26.951	0.890
500	6.333	34.327	243.5	26.978	0.947
550	6.110	34.315	246.5	26.997	1.004
600	5.904	34.302	246.2	27.013	1.060
650	5.700	34.291	244.3	27.030	1.116
700	5.493	34.280	241.5	27.047	1.171
750	5.250	34.270	237.3	27.067	1.225
800	5.056	34.266	231.5	27.087	1.279
900	4.566	34.275	214.3	27.150	1.382
1000	4.115	34.306	193.4	27.222	1.479
1500	2.856	34.537	127.7	27.529	1.867
2000	2.065	34.631	151.1	27.671	2.157
2500	1.633	34.679	160.6	27.743	2.396
3000	1.521	34.687	165.2	27.757	2.623
3459	1.499	34.689	166.4	27.761	2.836

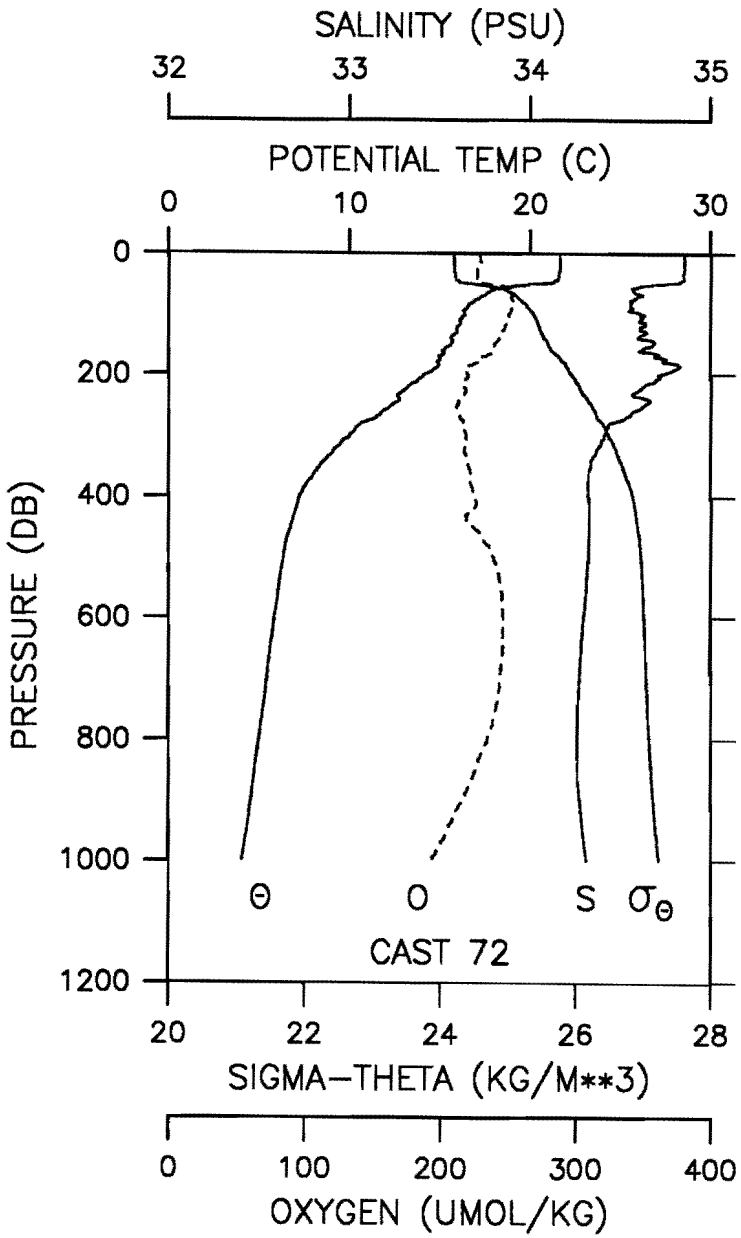

CAST CG2-94-DI -071 DATE 18 MAR 94 TIME 2206 GMT
LAT 34 00.4S LONG 103 00.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
O
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)



CAST CG2-94-DI -071 DATE 18 MAR 94 TIME 2206 GMT
LAT 34 00.4S LONG 103 00.0W WEATHER 0 SEA STATE 3
BAROMETER 12 WIND DIR 320 T SPD 22 KT VISIBILITY 8
CLOUD 8 AMOUNT 1 DRY 22.7 WET 20.3 DEPTH 3730 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	20.811	34.215	221.8	23.949	0.000
10	20.802	34.210	223.8	23.948	0.040
20	20.735	34.211	229.7	23.966	0.079
30	20.693	34.219	230.6	23.984	0.118
40	20.681	34.222	231.6	23.989	0.158
50	17.959	34.168	248.4	24.646	0.195
60	16.151	34.146	267.3	25.058	0.226
70	15.413	34.132	266.6	25.213	0.254
80	15.013	34.143	263.1	25.309	0.282
90	14.616	34.192	258.1	25.433	0.308
100	14.349	34.207	253.1	25.501	0.333
110	14.068	34.190	250.1	25.547	0.358
120	13.754	34.164	249.2	25.593	0.382
130	13.334	34.138	247.2	25.658	0.406
140	12.904	34.155	247.1	25.758	0.429
150	12.739	34.199	242.9	25.825	0.452
160	12.841	34.338	240.5	25.912	0.473
170	13.051	34.492	231.0	25.989	0.494
180	12.943	34.548	224.0	26.055	0.515
190	12.513	34.526	222.8	26.123	0.534
200	12.117	34.507	222.3	26.184	0.553
250	10.375	34.426	221.0	26.440	0.641
300	8.729	34.348	225.7	26.651	0.718
350	7.536	34.311	236.4	26.801	0.786
400	6.966	34.332	237.1	26.897	0.848
450	6.586	34.334	245.4	26.951	0.908
500	6.331	34.326	247.8	26.978	0.965
550	6.098	34.313	249.3	26.997	1.022
600	5.920	34.303	249.2	27.012	1.078
650	5.698	34.289	247.9	27.029	1.134
700	5.473	34.277	245.4	27.047	1.189
750	5.272	34.270	241.1	27.065	1.243
800	5.056	34.265	236.2	27.086	1.297
900	4.550	34.273	218.5	27.150	1.401
1000	4.059	34.303	196.5	27.226	1.497
1500	2.831	34.541	130.4	27.534	1.881
2000	2.044	34.633	153.8	27.674	2.168
2500	1.636	34.680	164.4	27.743	2.407
3000	1.522	34.687	168.8	27.757	2.633
3500	1.501	34.690	171.1	27.761	2.866
3690	1.498	34.690	171.3	27.762	2.958


CAST CG2-94-DI -072 DATE 19 MAR 94 TIME 0321 GMT
LAT 33 30.0S LONG 102 59.9W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
O
S
32
33
34
35
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

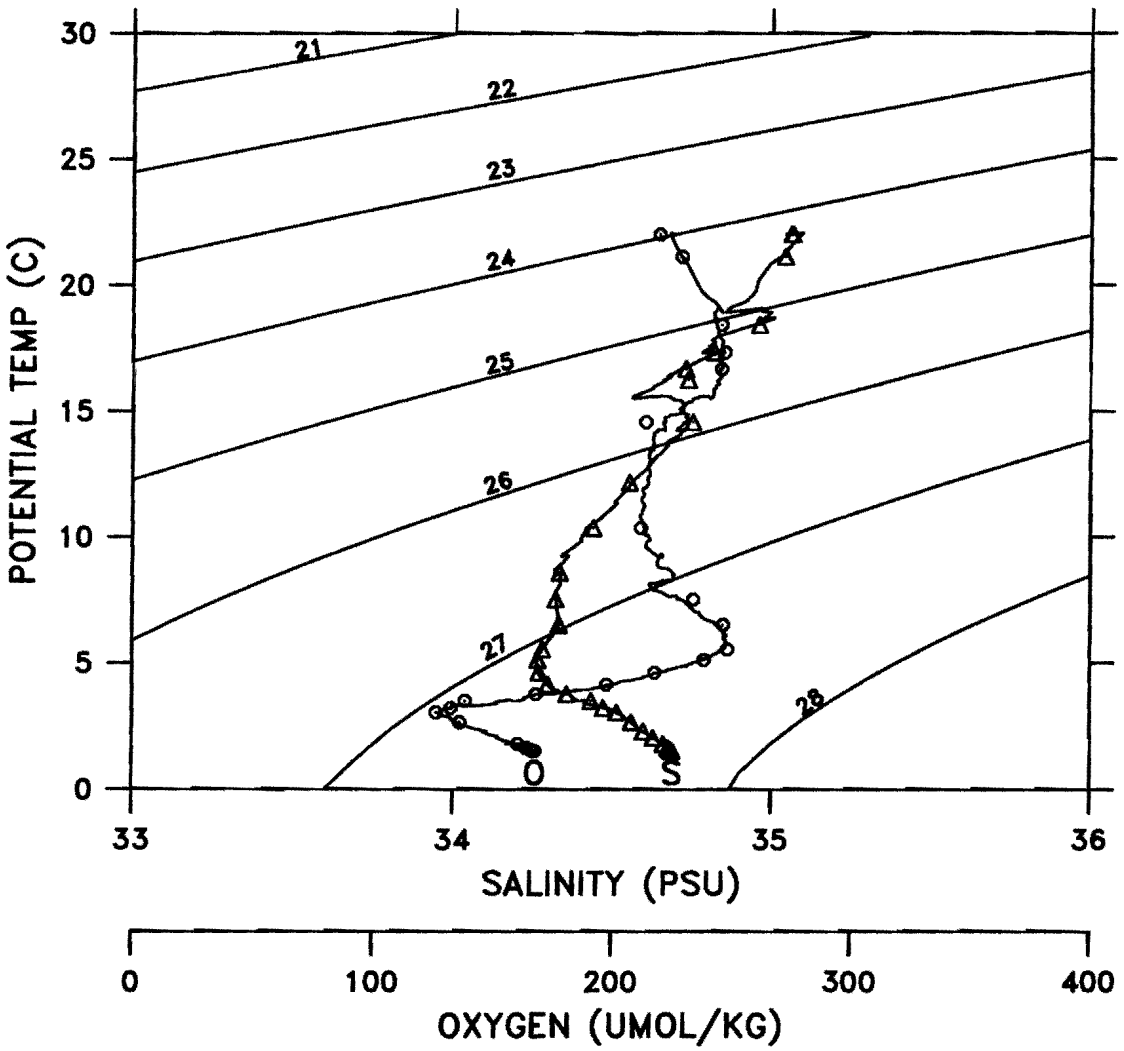


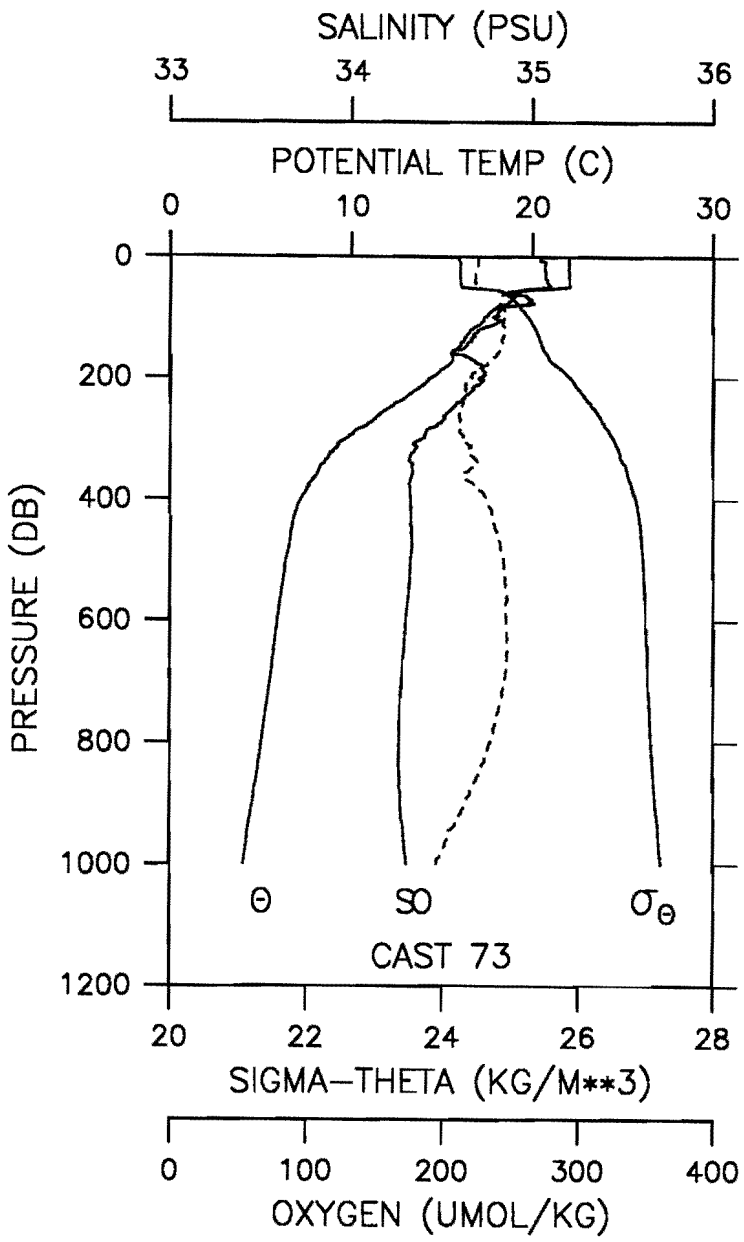
CAST CG2-94-DI -072 DATE 19 MAR 94 TIME 0321 GMT
LAT 33 30.0S LONG 102 59.9W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 320 T SPD 23 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 22.4 WET 20.9 DEPTH 3592 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	21.653	34.859	229.8	24.209	0.000
10	21.652	34.857	229.8	24.208	0.037
20	21.643	34.856	227.5	24.209	0.074
30	21.638	34.855	227.7	24.210	0.111
40	21.557	34.854	227.5	24.231	0.148
50	20.340	34.725	233.0	24.464	0.185
60	17.961	34.576	253.6	24.958	0.217
70	17.394	34.610	252.7	25.122	0.246
80	16.874	34.565	253.1	25.211	0.274
90	16.502	34.566	253.3	25.299	0.302
100	16.336	34.611	251.3	25.372	0.328
110	16.122	34.612	249.5	25.423	0.354
120	16.038	34.630	247.8	25.455	0.380
130	15.955	34.645	246.0	25.486	0.405
140	15.606	34.599	244.7	25.529	0.430
150	15.617	34.683	240.0	25.592	0.455
160	15.206	34.619	238.9	25.634	0.479
170	14.954	34.689	233.9	25.743	0.502
180	14.854	34.767	228.2	25.825	0.525
190	14.740	34.812	220.7	25.885	0.547
200	14.144	34.720	220.0	25.941	0.568
250	12.356	34.636	213.4	26.238	0.668
300	10.009	34.411	219.4	26.490	0.754
350	8.365	34.335	220.8	26.697	0.828
400	7.225	34.322	225.4	26.853	0.895
450	6.742	34.327	224.4	26.924	0.956
500	6.344	34.322	239.4	26.973	1.014
550	6.086	34.311	244.6	26.998	1.071
600	5.834	34.296	246.6	27.017	1.127
650	5.611	34.282	246.2	27.034	1.182
700	5.421	34.273	244.2	27.049	1.237
750	5.207	34.264	241.0	27.068	1.291
800	4.982	34.260	234.7	27.091	1.345
900	4.542	34.274	216.7	27.151	1.448
1000	4.062	34.310	193.9	27.231	1.544
1500	2.812	34.549	126.1	27.542	1.926
2000	2.069	34.629	150.4	27.669	2.213
2500	1.646	34.678	162.6	27.741	2.453
3000	1.528	34.687	167.0	27.757	2.680
3500	1.510	34.690	168.6	27.760	2.914
3634	1.506	34.690	168.3	27.761	2.979

CAST CG2-94-DI -073 DATE 19 MAR 94 TIME 0824 GMT

LAT 32 59.7S LONG 102 59.9W



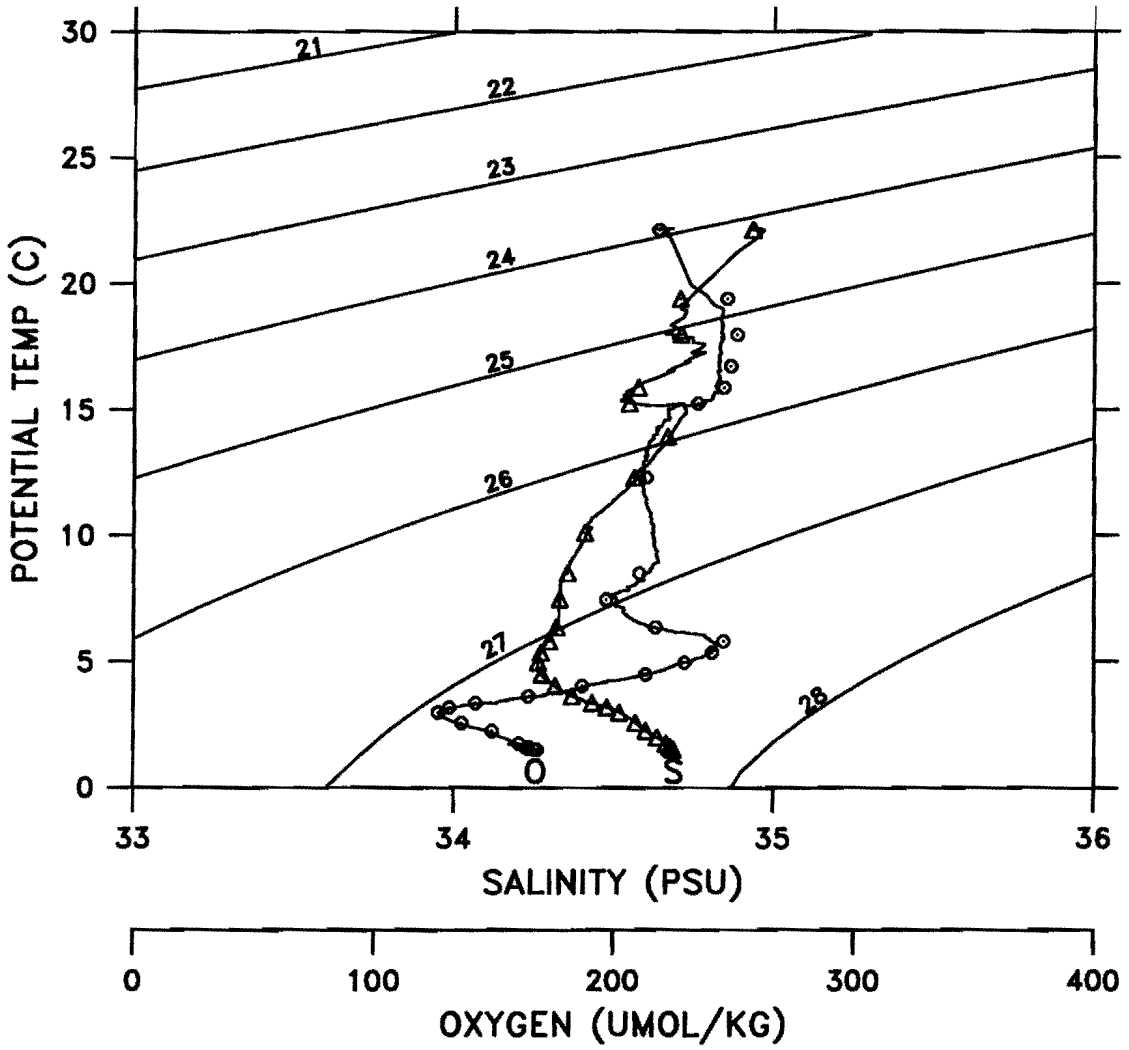


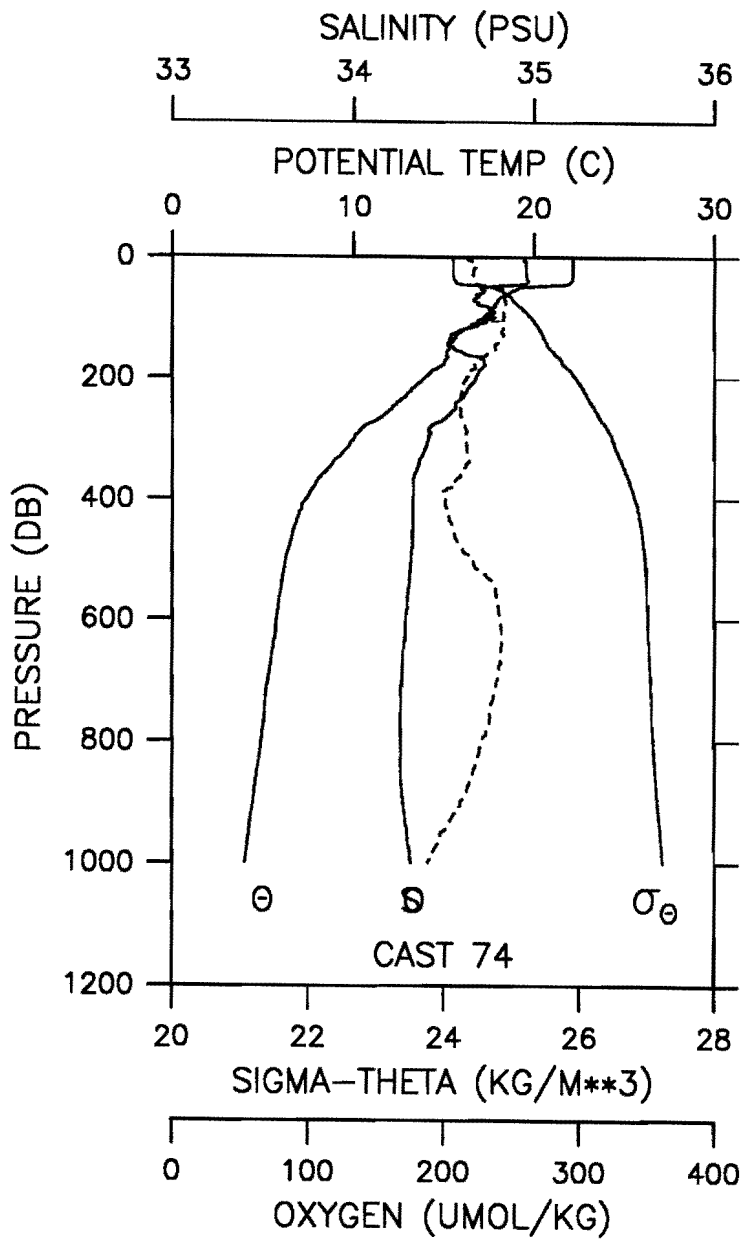
CAST CG2-94-DI -073 DATE 19 MAR 94 TIME 0824 GMT
LAT 32 59.7S LONG 102 59.9W WEATHER 1 SEA STATE 2
BAROMETER 13 WIND DIR 305 T SPD 22 KT VISIBILITY 7
CLOUD 6 AMOUNT 7 DRY 22.0 WET 20.5 DEPTH 3682 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	22.026	35.046	226.5	24.247	0.000
10	22.019	35.071	226.5	24.268	0.037
20	22.015	35.069	224.3	24.267	0.073
30	22.024	35.072	224.7	24.267	0.110
40	22.040	35.081	224.3	24.270	0.146
50	22.041	35.095	223.8	24.280	0.183
60	18.950	34.859	245.8	24.927	0.215
70	18.915	34.989	242.7	25.036	0.245
80	18.329	34.922	243.9	25.131	0.274
90	17.743	34.821	246.3	25.199	0.303
100	17.316	34.782	246.2	25.272	0.330
110	17.144	34.795	244.7	25.324	0.357
120	16.624	34.708	244.9	25.379	0.384
130	16.371	34.677	245.5	25.415	0.410
140	16.150	34.656	244.2	25.450	0.436
150	15.903	34.627	243.0	25.484	0.461
160	15.499	34.569	241.1	25.530	0.486
170	15.582	34.659	237.0	25.581	0.511
180	15.335	34.718	230.9	25.681	0.535
190	14.867	34.739	224.1	25.800	0.558
200	14.377	34.713	222.0	25.886	0.580
250	12.070	34.557	214.8	26.232	0.681
300	9.702	34.390	214.3	26.526	0.766
350	8.218	34.337	220.6	26.721	0.839
400	7.213	34.326	232.6	26.858	0.905
450	6.706	34.332	239.5	26.933	0.966
500	6.396	34.326	245.5	26.969	1.024
550	6.154	34.316	246.6	26.993	1.081
600	5.911	34.301	247.3	27.012	1.138
650	5.713	34.289	248.1	27.027	1.193
700	5.509	34.278	245.3	27.043	1.249
750	5.263	34.267	241.1	27.063	1.303
800	5.038	34.263	235.4	27.087	1.357
900	4.543	34.271	216.9	27.149	1.460
1000	4.047	34.304	195.0	27.228	1.556
1500	2.832	34.543	132.0	27.535	1.938
2000	2.031	34.632	152.0	27.674	2.225
2500	1.635	34.679	163.1	27.743	2.463
3000	1.529	34.687	167.1	27.757	2.690
3500	1.510	34.690	168.3	27.760	2.924
3697	1.508	34.690	167.5	27.761	3.019

CAST CG2-94-DI -074 DATE 19 MAR 94 TIME 1414 GMT

LAT 32 30.0S LONG 103 00.0W



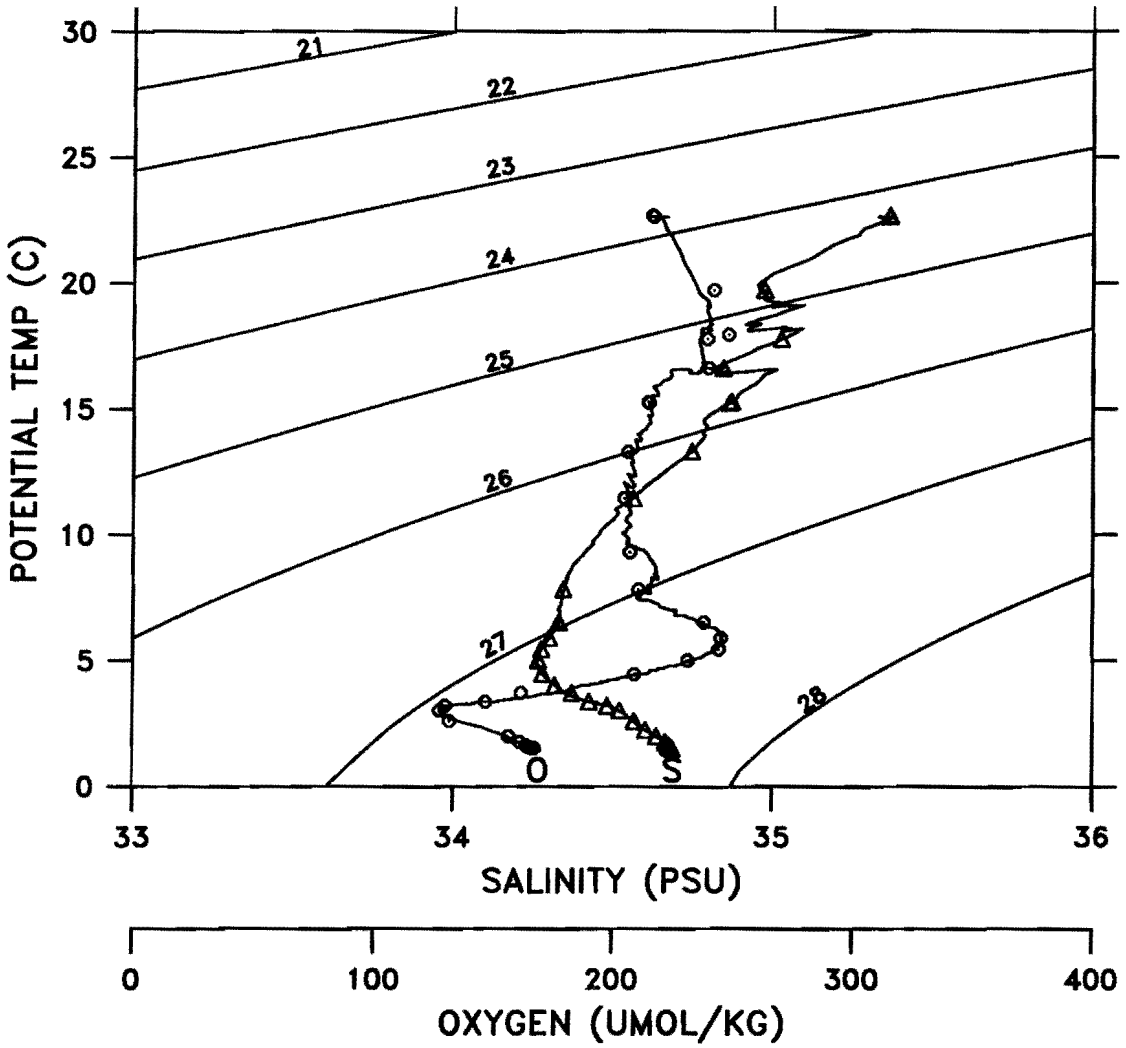


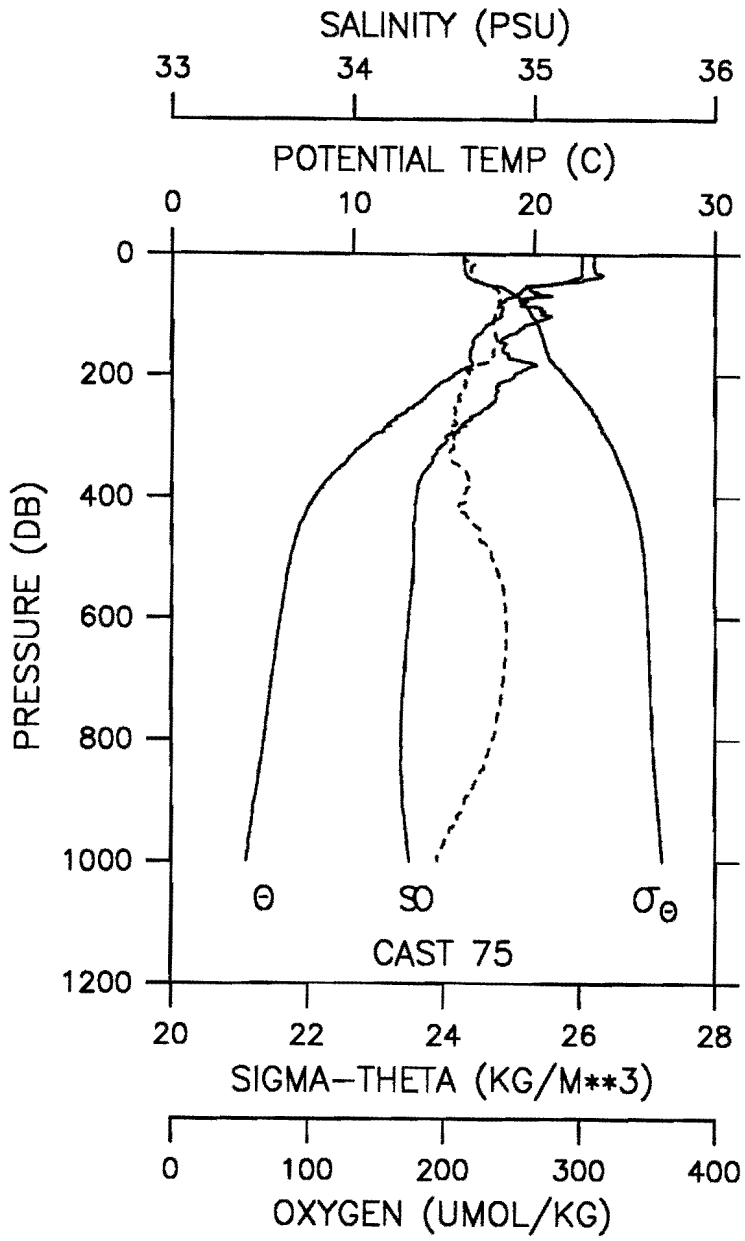
CAST CG2-94-DI -074 DATE 19 MAR 94 TIME 1414 GMT
LAT 32 30.0S LONG 103 00.0W WEATHER 2 SEA STATE 4
BAROMETER 15 WIND DIR 220 T SPD 12 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 20.0 WET 19.2 DEPTH 3569 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	22.163	34.945	215.8	24.132	0.000
10	22.163	34.955	223.1	24.139	0.038
20	22.164	34.956	222.0	24.140	0.075
30	22.160	34.958	221.7	24.142	0.113
40	22.059	34.965	222.0	24.176	0.151
50	19.238	34.723	240.8	24.750	0.187
60	18.597	34.712	244.6	24.904	0.218
70	18.022	34.667	244.9	25.013	0.248
80	17.789	34.701	245.5	25.096	0.277
90	17.590	34.783	244.4	25.207	0.306
100	17.224	34.780	244.4	25.293	0.333
110	16.708	34.699	243.7	25.353	0.360
120	16.108	34.600	243.5	25.416	0.386
130	15.672	34.538	244.0	25.468	0.412
140	15.477	34.539	241.4	25.512	0.437
150	15.283	34.548	237.9	25.562	0.462
160	15.163	34.614	232.0	25.640	0.486
170	15.090	34.721	224.7	25.738	0.509
180	14.850	34.725	222.8	25.794	0.532
190	14.289	34.692	217.8	25.889	0.554
200	13.955	34.676	216.5	25.947	0.576
250	12.139	34.566	212.1	26.226	0.674
300	10.034	34.416	216.3	26.491	0.760
350	8.590	34.352	215.5	26.675	0.836
400	7.408	34.330	201.4	26.834	0.903
450	6.726	34.329	206.9	26.927	0.965
500	6.267	34.318	220.8	26.980	1.023
550	5.995	34.305	238.2	27.004	1.079
600	5.765	34.291	241.7	27.022	1.135
650	5.529	34.277	242.5	27.040	1.190
700	5.314	34.269	239.0	27.060	1.244
750	5.098	34.262	234.4	27.079	1.298
800	4.914	34.262	228.7	27.100	1.351
900	4.468	34.275	212.2	27.160	1.453
1000	4.001	34.318	188.0	27.244	1.548
1500	2.781	34.549	129.0	27.545	1.924
2000	2.005	34.636	153.3	27.680	2.206
2500	1.617	34.679	162.7	27.744	2.442
3000	1.531	34.687	166.2	27.757	2.668
3500	1.508	34.690	167.5	27.761	2.902
3626	1.507	34.690	167.4	27.761	2.963

CAST CG2-94-DI -075 DATE 19 MAR 94 TIME 2031 GMT

LAT 31 59.7S LONG 102 59.9W



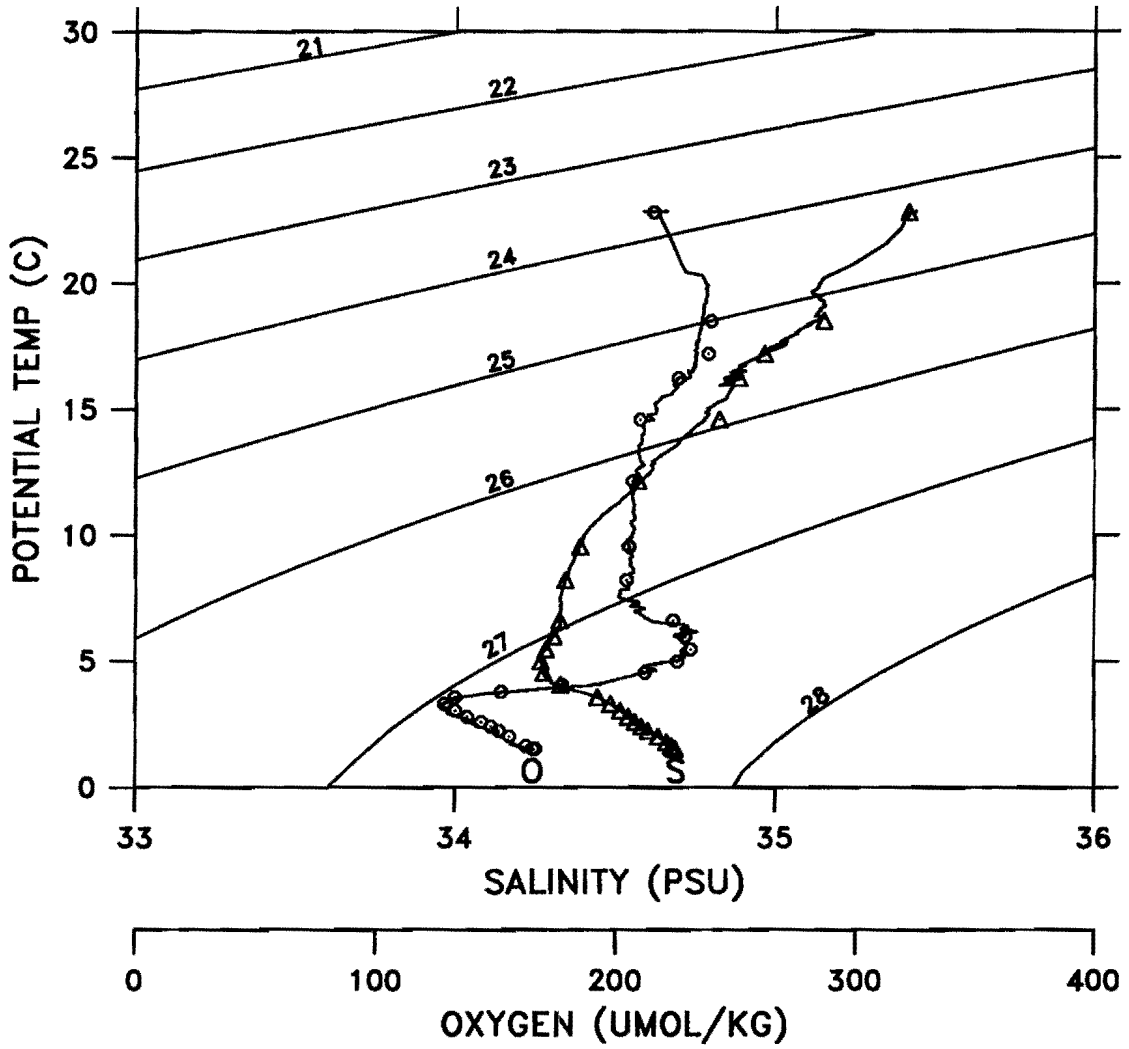


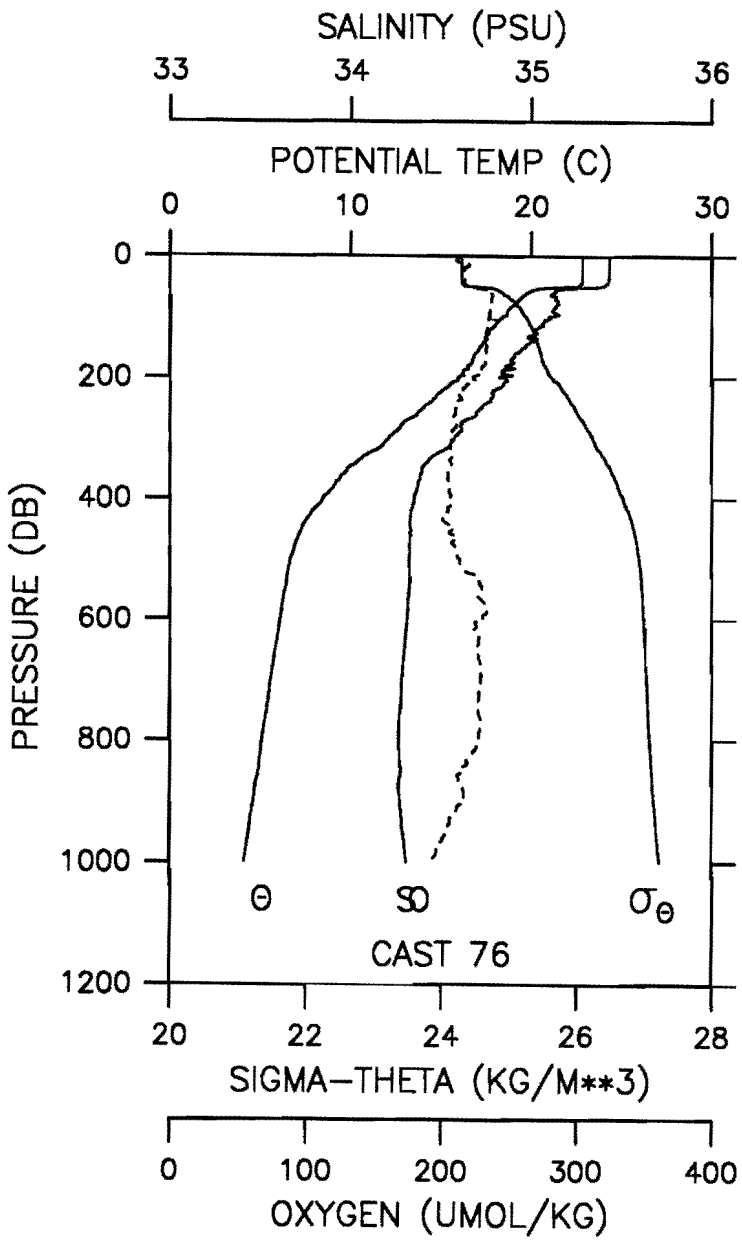
CAST CG2-94-DI -075 DATE 19 MAR 94 TIME 2031 GMT
LAT 31 59.7S LONG 102 59.9W WEATHER 2 SEA STATE 4
BAROMETER 16 WIND DIR 220 T SPD 14 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 21.2 WET 18.2 DEPTH 3830 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	22.646	35.332	215.2	24.289	0.000
10	22.634	35.329	216.5	24.290	0.036
20	22.607	35.328	220.2	24.297	0.073
30	22.602	35.340	219.9	24.307	0.109
40	22.228	35.301	221.7	24.384	0.145
50	20.698	35.065	230.1	24.626	0.179
60	19.294	34.985	239.8	24.935	0.210
70	18.823	35.027	239.7	25.088	0.240
80	18.116	34.921	241.2	25.184	0.269
90	18.244	35.040	240.0	25.243	0.296
100	18.126	35.056	237.5	25.285	0.324
110	17.725	35.020	236.1	25.356	0.351
120	17.304	34.942	236.9	25.398	0.377
130	17.060	34.897	237.5	25.422	0.403
140	16.640	34.819	238.6	25.461	0.429
150	16.600	34.837	236.9	25.484	0.454
160	16.475	34.823	235.7	25.503	0.479
170	16.414	34.854	234.5	25.540	0.504
180	16.568	34.986	229.8	25.607	0.529
190	16.046	34.951	220.4	25.700	0.553
200	15.514	34.889	217.6	25.773	0.576
250	13.339	34.749	210.3	26.130	0.682
300	11.050	34.512	206.9	26.387	0.773
350	9.274	34.412	214.1	26.614	0.852
400	7.841	34.346	215.5	26.784	0.922
450	7.000	34.331	224.9	26.892	0.986
500	6.553	34.333	235.4	26.954	1.045
550	6.250	34.322	243.9	26.985	1.103
600	5.960	34.305	245.8	27.008	1.160
650	5.726	34.291	245.7	27.027	1.216
700	5.492	34.277	244.1	27.044	1.271
750	5.288	34.270	240.3	27.063	1.325
800	5.087	34.265	235.6	27.082	1.379
900	4.542	34.270	215.7	27.148	1.483
1000	4.091	34.308	194.8	27.227	1.580
1500	2.794	34.549	130.7	27.543	1.960
2000	1.991	34.639	155.7	27.683	2.243
2500	1.613	34.676	163.4	27.742	2.478
3000	1.545	34.686	166.8	27.755	2.706
3500	1.519	34.689	169.0	27.759	2.941
3650	1.515	34.689	168.8	27.760	3.014

CAST CG2-94-DI -076 DATE 20 MAR 94 TIME 0152 GMT

LAT 31 29.5S LONG 103 0.0W



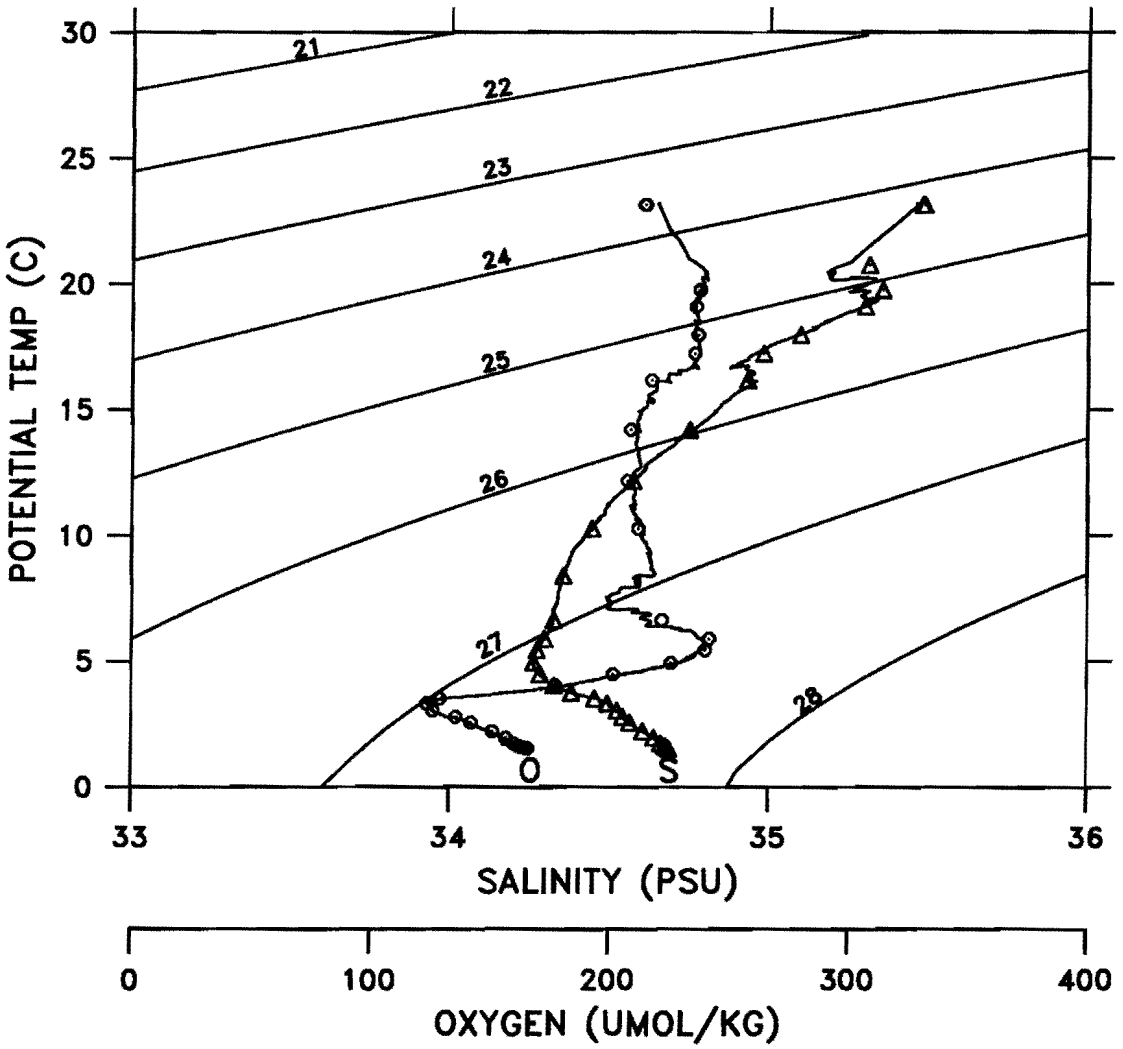


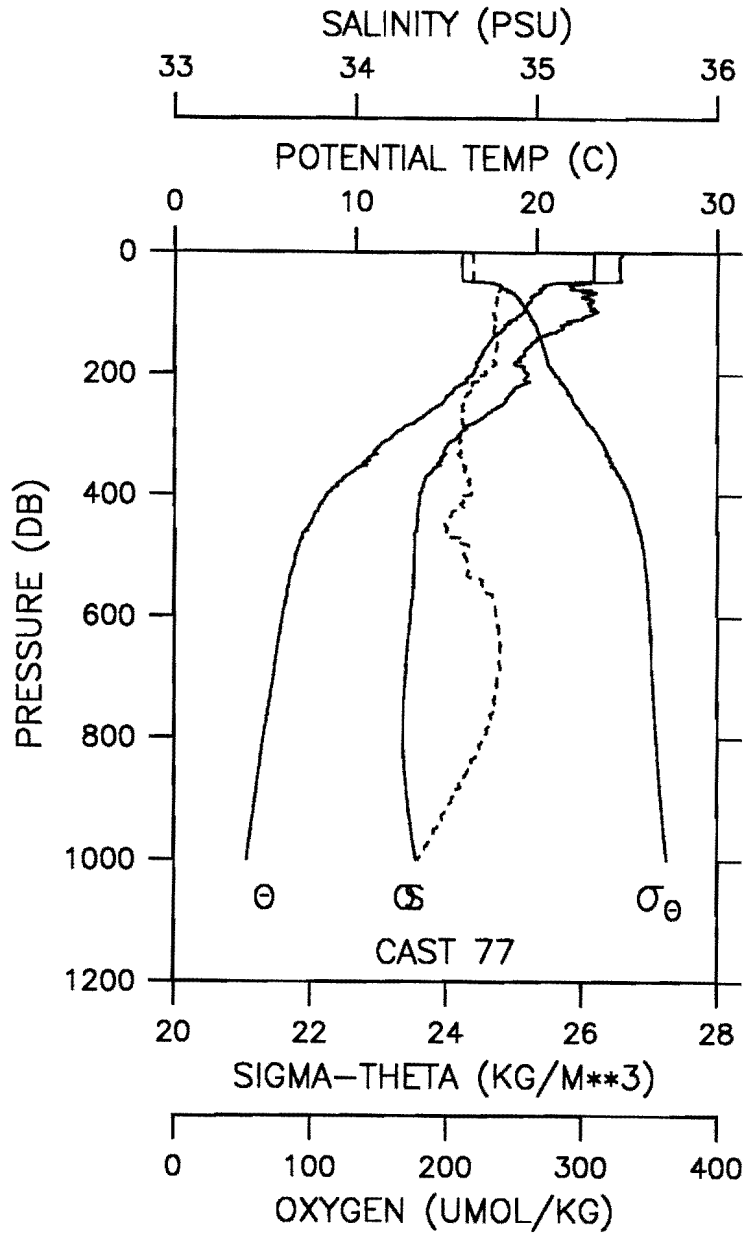
CAST CG2-94-DI -076 DATE 20 MAR 94 TIME 0152 GMT
LAT 31 29.5S LONG 103 0.0W WEATHER 2 SEA STATE 3
BAROMETER 17 WIND DIR 205 T SPD 12 KT VISIBILITY 8
CLOUD 7 AMOUNT 7 DRY 21.2 WET 17.4 DEPTH 3532 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	22.852	35.436	212.4	24.309	0.000
10	22.849	35.433	213.5	24.307	0.036
20	22.851	35.434	217.2	24.307	0.072
30	22.850	35.433	217.6	24.307	0.108
40	22.828	35.430	217.6	24.311	0.145
50	22.215	35.390	220.2	24.455	0.181
60	19.855	35.130	238.0	24.901	0.212
70	19.431	35.134	237.5	25.014	0.242
80	19.037	35.143	236.7	25.122	0.272
90	18.688	35.119	236.1	25.192	0.300
100	18.365	35.095	236.3	25.255	0.328
110	18.089	35.066	234.9	25.302	0.355
120	17.760	35.024	234.5	25.351	0.382
130	17.567	35.006	233.5	25.384	0.408
140	17.459	35.012	233.6	25.415	0.434
150	17.182	34.967	233.8	25.446	0.460
160	16.905	34.916	233.2	25.473	0.486
170	16.767	34.893	233.0	25.488	0.511
180	16.499	34.867	232.1	25.531	0.536
190	16.216	34.838	228.5	25.574	0.561
200	15.937	34.823	224.2	25.627	0.586
250	14.021	34.724	211.4	25.970	0.698
300	12.099	34.575	207.4	26.240	0.796
350	9.847	34.396	205.3	26.506	0.883
400	8.475	34.351	205.5	26.692	0.958
450	7.288	34.331	209.2	26.852	1.025
500	6.670	34.325	214.0	26.932	1.086
550	6.353	34.323	229.8	26.973	1.145
600	6.086	34.312	231.2	26.998	1.202
650	5.828	34.298	227.8	27.020	1.259
700	5.554	34.283	229.2	27.042	1.314
750	5.348	34.274	227.3	27.059	1.369
800	5.070	34.265	227.7	27.085	1.422
900	4.596	34.273	213.4	27.144	1.526
1000	4.078	34.308	193.8	27.227	1.623
1500	2.800	34.539	134.5	27.536	2.008
2000	1.976	34.640	152.9	27.685	2.291
2500	1.630	34.676	159.2	27.740	2.528
3000	1.545	34.686	163.9	27.755	2.756
3500	1.515	34.690	165.8	27.760	2.991
3566	1.514	34.690	165.6	27.760	3.022

CAST CG2-94-DI -077 DATE 20 MAR 94 TIME 0652 GMT

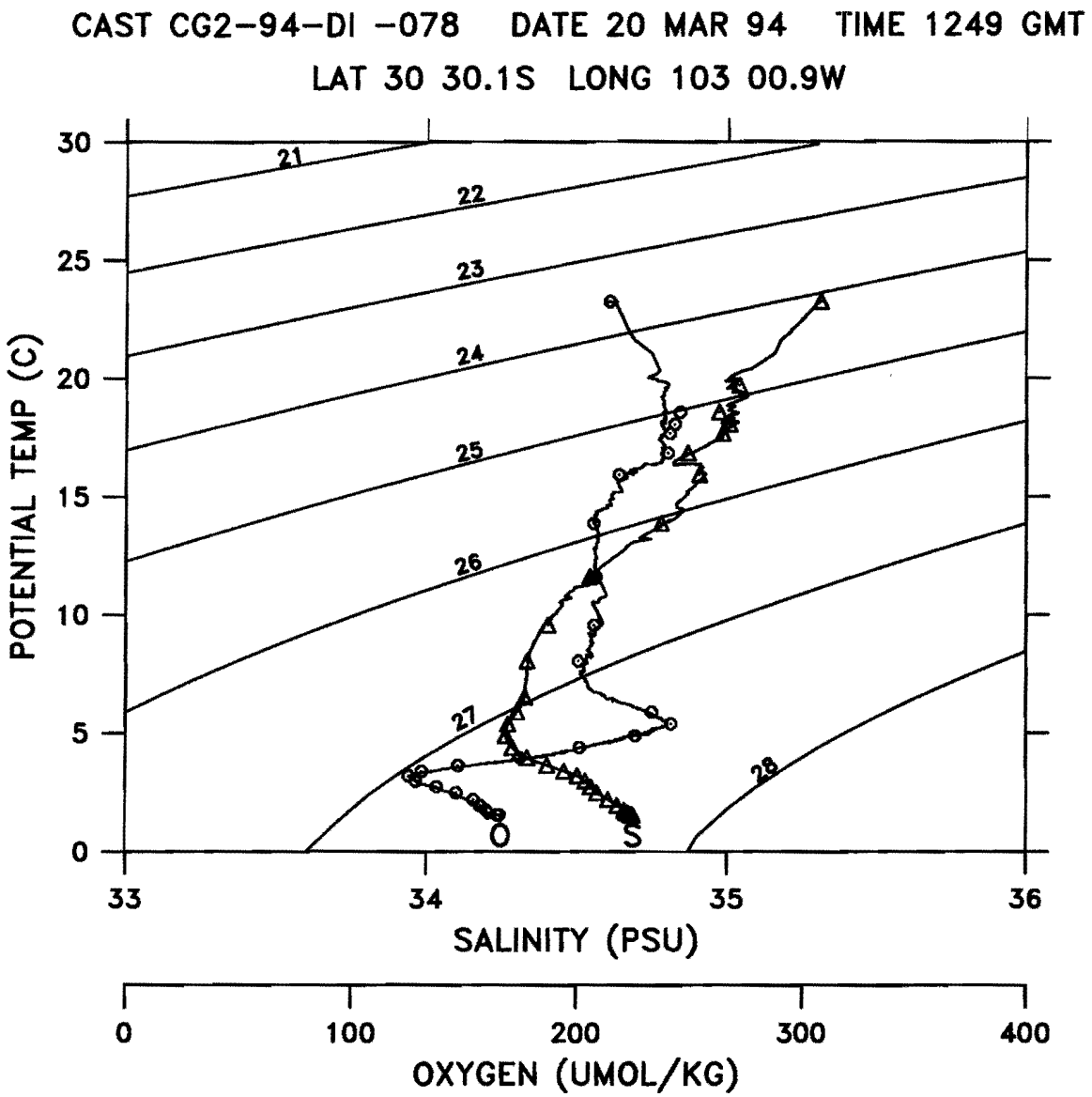
LAT 31 00.1S LONG 103 00.4W

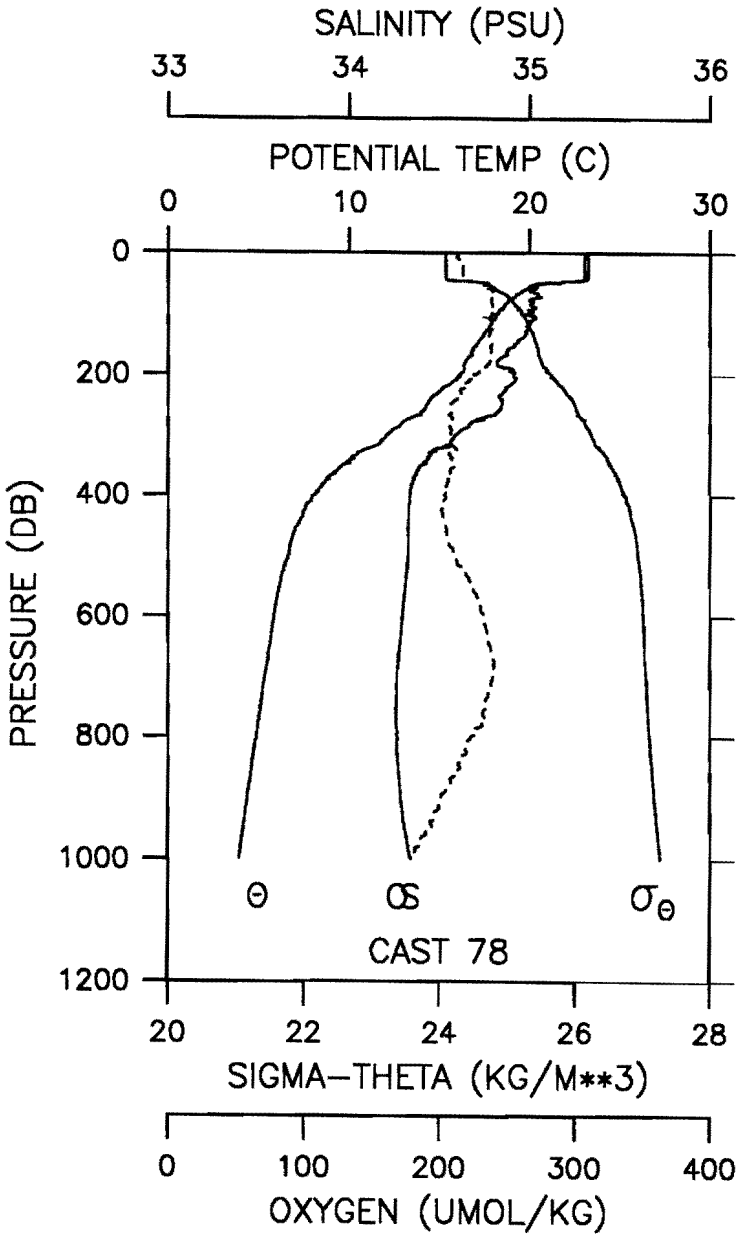




CAST CG2-94-DI -077 DATE 20 MAR 94 TIME 0652 GMT
LAT 31 00.1S LONG 103 00.4W WEATHER 1 SEA STATE 1
BAROMETER 18 WIND DIR 190 T SPD 09 KT VISIBILITY 8
CLOUD 6 AMOUNT 1 DRY 21.3 WET 17.0 DEPTH 3489 M

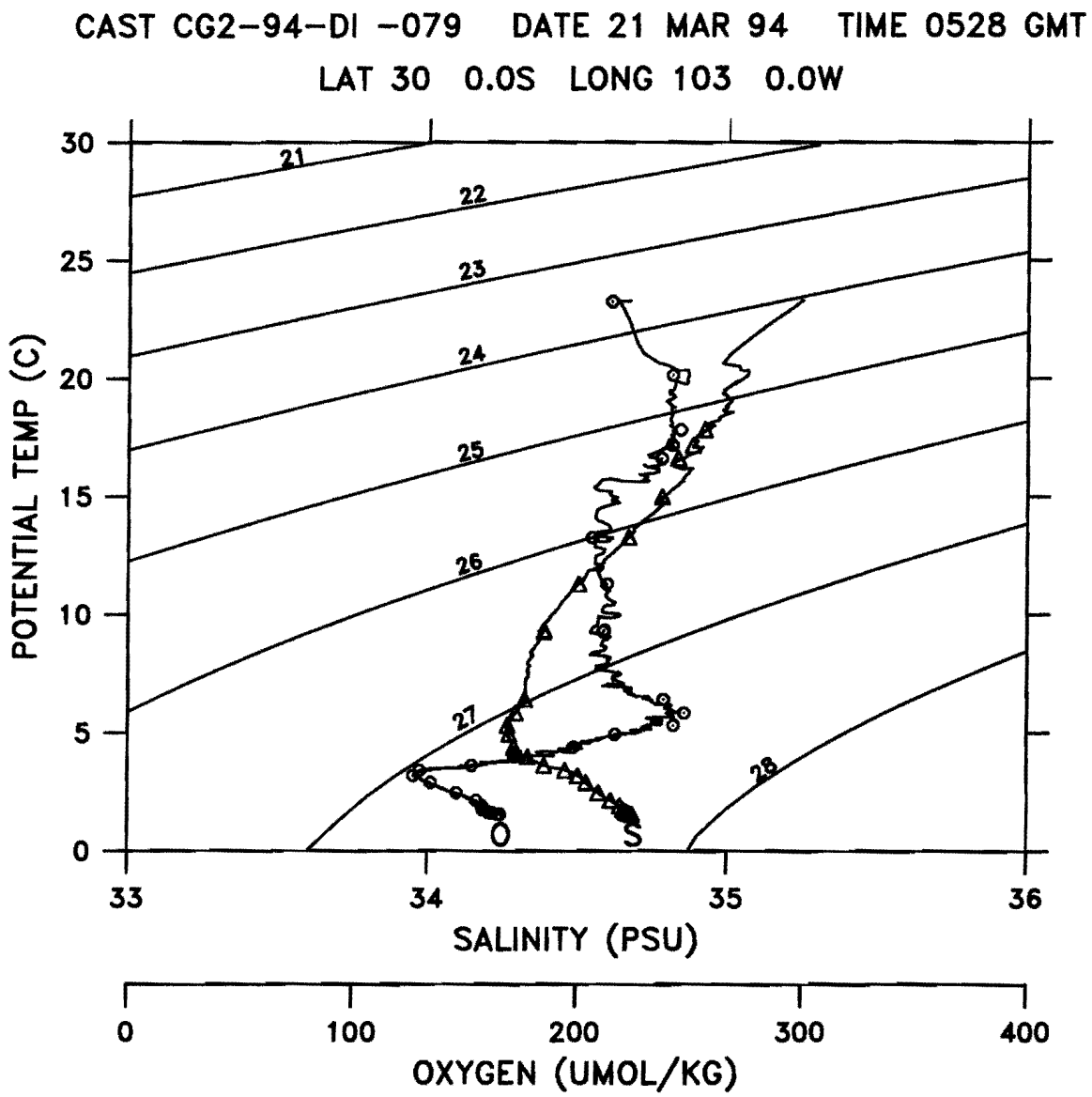
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	23.179	35.474	219.6	24.243	0.000
10	23.180	35.459	220.0	24.231	0.037
20	23.178	35.460	220.1	24.233	0.074
30	23.179	35.460	220.1	24.233	0.110
40	23.175	35.463	219.9	24.235	0.147
50	20.993	35.263	232.7	24.698	0.184
60	20.143	35.198	240.7	24.876	0.215
70	19.909	35.284	237.6	25.003	0.245
80	19.669	35.309	237.3	25.085	0.275
90	19.362	35.297	236.5	25.157	0.303
100	19.173	35.310	234.3	25.215	0.331
110	18.704	35.217	236.5	25.264	0.359
120	18.245	35.138	235.9	25.318	0.386
130	18.045	35.109	235.1	25.346	0.413
140	17.546	35.003	237.2	25.386	0.439
150	17.331	34.970	237.7	25.413	0.466
160	17.107	34.938	236.7	25.443	0.492
170	16.953	34.925	235.8	25.468	0.517
180	16.715	34.881	236.1	25.491	0.543
190	16.655	34.927	233.4	25.541	0.568
200	16.468	34.952	229.0	25.604	0.593
250	14.739	34.816	212.5	25.888	0.707
300	12.108	34.570	210.8	26.235	0.808
350	10.416	34.451	212.4	26.452	0.896
400	8.365	34.353	217.4	26.711	0.972
450	7.452	34.340	199.2	26.835	1.039
500	6.686	34.325	213.4	26.930	1.100
550	6.299	34.318	227.9	26.975	1.159
600	5.979	34.303	236.8	27.005	1.216
650	5.681	34.286	239.9	27.028	1.272
700	5.461	34.276	237.8	27.047	1.327
750	5.187	34.266	234.1	27.072	1.381
800	4.907	34.264	227.2	27.102	1.434
900	4.459	34.286	204.0	27.170	1.535
1000	4.000	34.333	179.8	27.256	1.629
1500	2.808	34.544	131.8	27.538	2.006
2000	1.993	34.636	155.2	27.681	2.290
2500	1.646	34.674	161.1	27.738	2.527
3000	1.555	34.685	165.6	27.753	2.757
3481	1.527	34.689	167.5	27.759	2.983

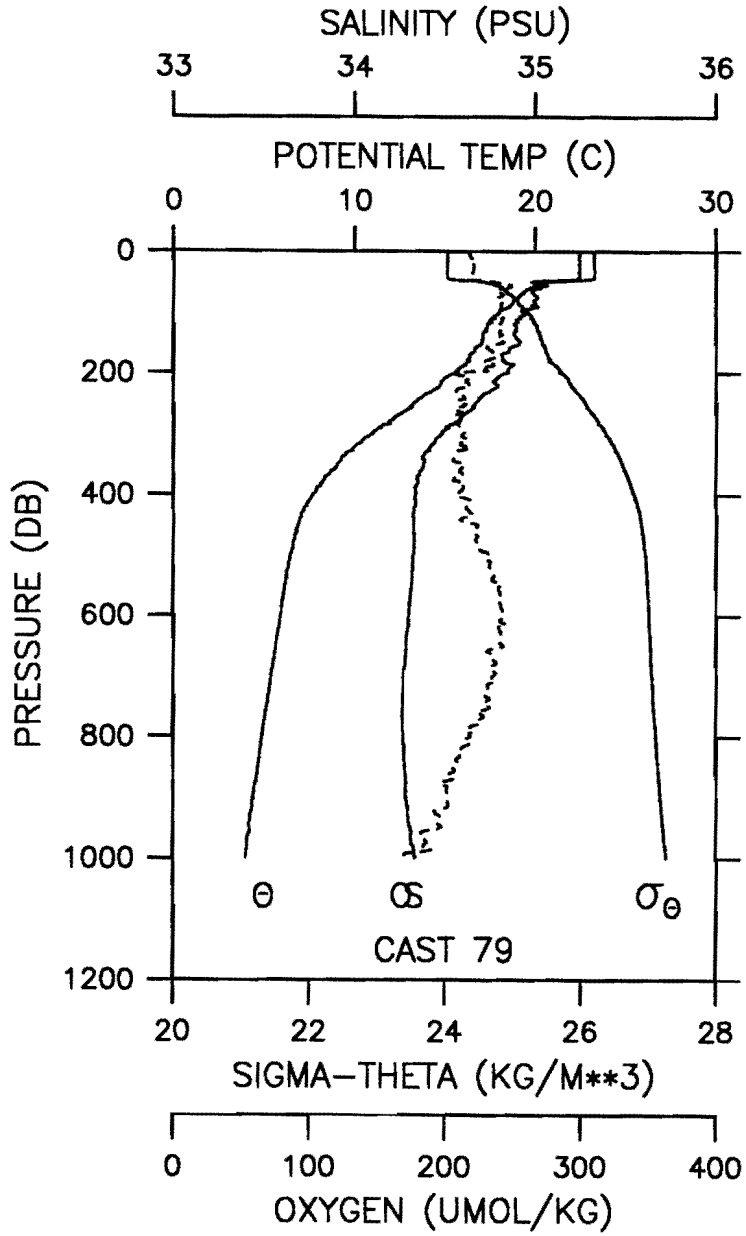

CAST CG2-94-DI -078 DATE 20 MAR 94 TIME 1249 GMT
LAT 30 30.1S LONG 103 00.9W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
21
22
23
24
25
26
27
28
O
S
30
25
20
15
10
5
0
33
34
35
36
0
100
200
300
400



CAST CG2-94-DI -078 DATE 20 MAR 94 TIME 1249 GMT
LAT 30 30.1S LONG 103 00.9W WEATHER 2 SEA STATE 4
BAROMETER 18 WIND DIR 180 T SPD 08 KT VISIBILITY 8
CLOUD 6 AMOUNT 8 DRY 21.2 WET 17.4 DEPTH 3410 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	23.244	35.310	214.4	24.099	0.000
10	23.246	35.305	214.3	24.096	0.038
20	23.245	35.306	217.7	24.096	0.076
30	23.241	35.306	217.5	24.097	0.114
40	23.235	35.306	217.8	24.099	0.153
50	20.391	35.076	236.5	24.717	0.189
60	19.744	35.019	240.5	24.845	0.221
70	19.232	35.050	238.0	25.001	0.251
80	18.817	35.023	238.5	25.087	0.280
90	18.516	35.033	238.7	25.170	0.309
100	18.097	34.979	239.4	25.233	0.337
110	17.969	35.011	238.0	25.289	0.364
120	17.770	34.983	239.7	25.317	0.391
130	17.532	34.980	237.3	25.372	0.418
140	17.315	34.952	237.7	25.403	0.444
150	17.063	34.917	238.9	25.436	0.470
160	16.892	34.883	238.1	25.451	0.496
170	16.691	34.856	238.0	25.477	0.522
180	16.414	34.821	237.3	25.515	0.547
190	16.381	34.909	234.0	25.590	0.572
200	16.085	34.911	226.1	25.660	0.596
250	14.292	34.845	209.2	26.006	0.707
300	12.097	34.589	208.2	26.252	0.805
350	9.662	34.399	211.7	26.540	0.891
400	8.049	34.339	204.2	26.748	0.963
450	7.145	34.330	204.6	26.871	1.028
500	6.632	34.329	211.3	26.940	1.089
550	6.157	34.313	224.8	26.990	1.146
600	5.844	34.296	232.6	27.016	1.203
650	5.603	34.283	238.0	27.035	1.258
700	5.327	34.268	239.5	27.057	1.313
750	5.092	34.262	233.5	27.080	1.366
800	4.885	34.269	223.4	27.109	1.419
900	4.372	34.288	201.7	27.181	1.519
1000	3.929	34.340	179.1	27.268	1.612
1500	2.701	34.552	137.9	27.554	1.981
2000	1.932	34.641	155.3	27.689	2.256
2500	1.644	34.670	159.7	27.735	2.493
3000	1.570	34.683	164.7	27.750	2.725
3410	1.548	34.686	166.2	27.755	2.919


CAST CG2-94-DI -079 DATE 21 MAR 94 TIME 0528 GMT
LAT 30 0.0S LONG 103 0.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
28
O
S
33
34
35
36
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

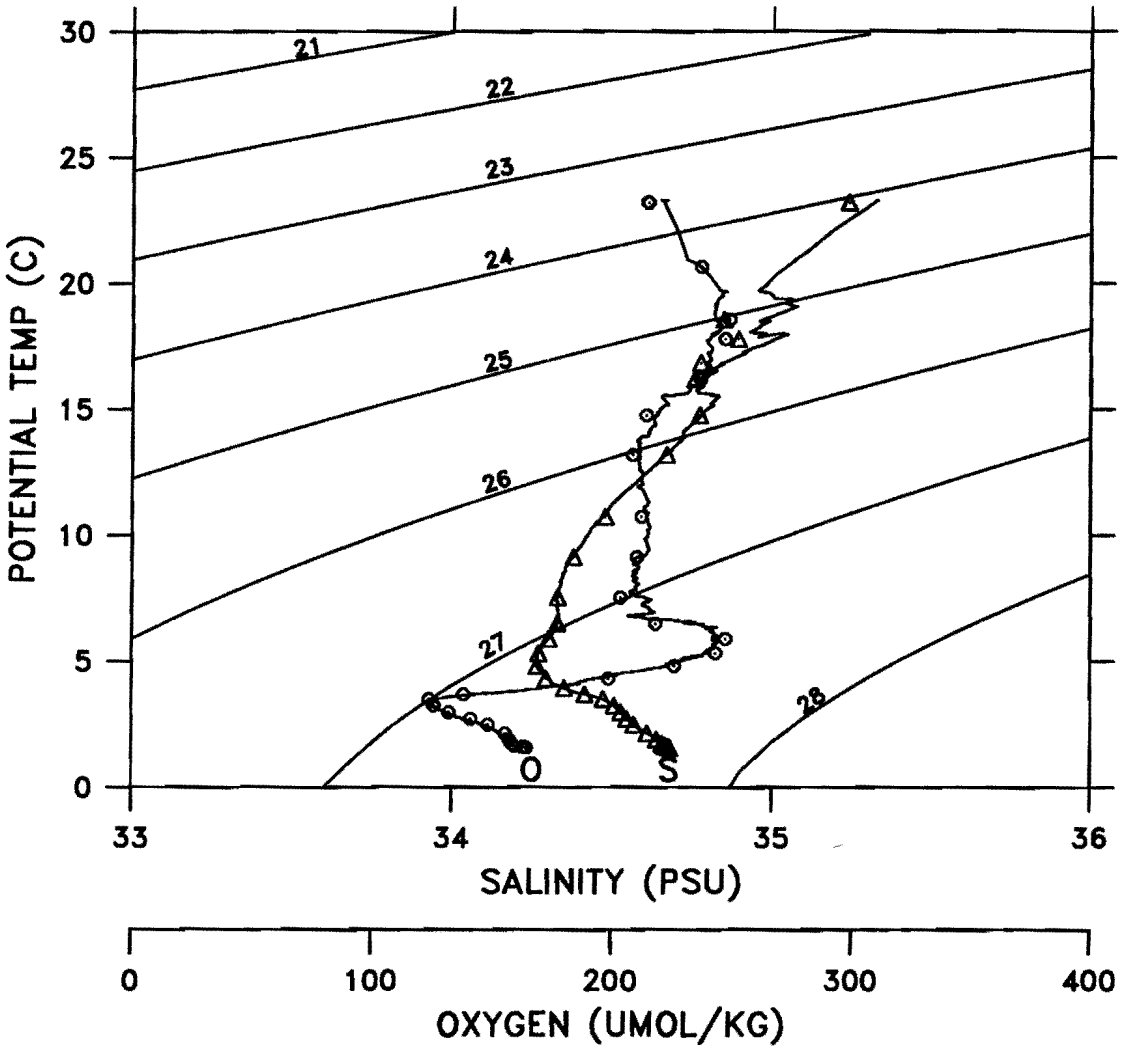


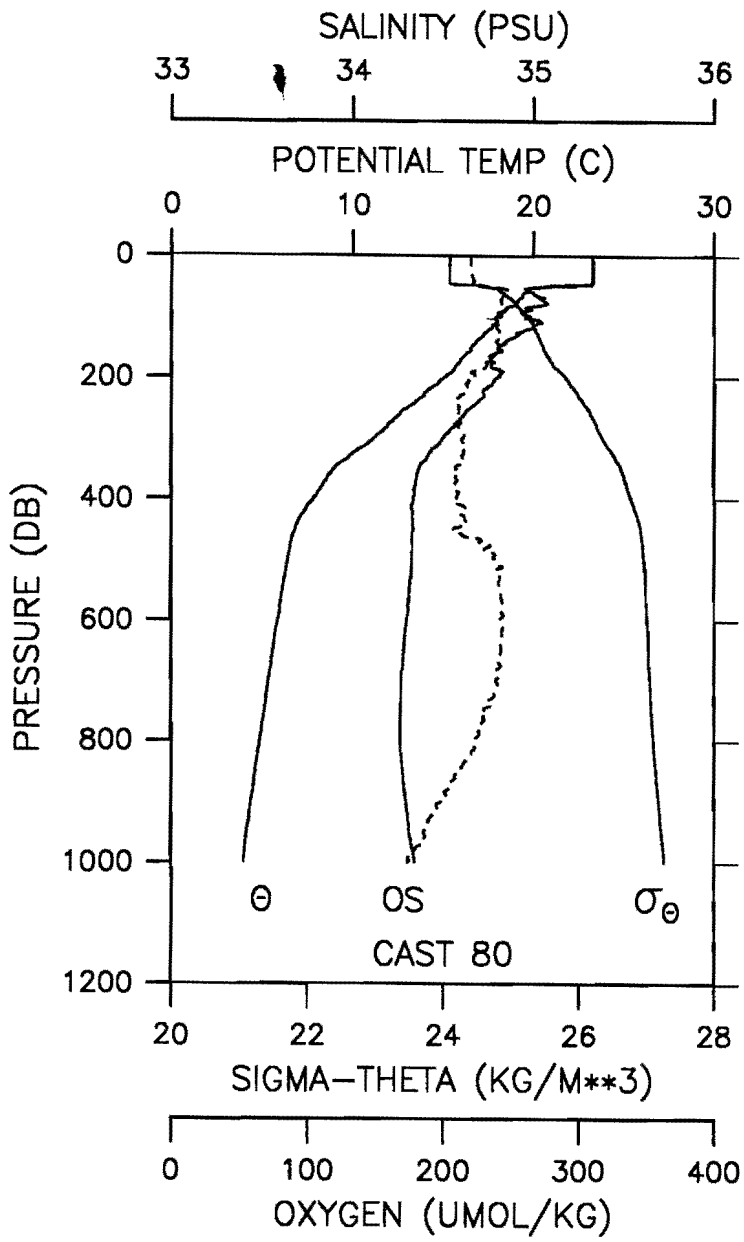
CAST CG2-94-DI -079 DATE 21 MAR 94 TIME 0528 GMT
LAT 30 0.0S LONG 103 0.0W WEATHER 1 SEA STATE 3
BAROMETER 20 WIND DIR 200 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 21.7 WET 16.6 DEPTH 3586 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	23.280	35.250	219.9	24.044	0.000
10	23.277	35.245	219.3	24.041	0.039
20	23.283	35.245	221.2	24.039	0.077
30	23.288	35.245	221.1	24.038	0.116
40	23.287	35.246	220.8	24.039	0.155
50	20.632	34.981	235.9	24.580	0.192
60	19.808	35.021	245.6	24.830	0.225
70	19.227	34.997	243.0	24.962	0.255
80	18.839	34.993	241.6	25.058	0.285
90	18.595	35.014	241.4	25.136	0.314
100	18.010	34.934	240.7	25.220	0.342
110	17.778	34.923	242.2	25.269	0.369
120	17.367	34.885	240.0	25.339	0.396
130	17.306	34.893	240.4	25.360	0.423
140	17.084	34.890	240.0	25.411	0.449
150	17.025	34.912	243.3	25.442	0.475
160	16.658	34.857	232.2	25.487	0.501
170	16.383	34.815	238.1	25.518	0.526
180	16.260	34.827	230.6	25.556	0.551
190	15.921	34.862	227.5	25.660	0.575
200	15.696	34.849	210.9	25.701	0.599
250	13.301	34.668	210.6	26.076	0.707
300	11.005	34.483	213.8	26.372	0.800
350	9.073	34.382	214.6	26.623	0.879
400	7.714	34.337	208.6	26.796	0.949
450	6.914	34.329	224.2	26.902	1.011
500	6.466	34.326	231.2	26.960	1.071
550	6.167	34.316	241.1	26.991	1.128
600	5.935	34.302	242.8	27.009	1.185
650	5.665	34.287	243.1	27.031	1.240
700	5.418	34.273	234.9	27.050	1.295
750	5.160	34.269	231.6	27.077	1.349
800	4.898	34.270	218.7	27.109	1.402
900	4.382	34.285	201.5	27.178	1.502
1000	3.972	34.333	177.2	27.258	1.596
1500	2.670	34.554	139.8	27.559	1.967
2000	1.910	34.644	157.3	27.693	2.240
2500	1.655	34.668	159.9	27.732	2.476
3000	1.595	34.678	164.5	27.745	2.710
3500	1.561	34.685	166.6	27.753	2.951
3652	1.550	34.686	166.5	27.755	3.025

CAST CG2-94-DI -080 DATE 21 MAR 94 TIME 1130 GMT

LAT 29 29.5S LONG 103 0.3W



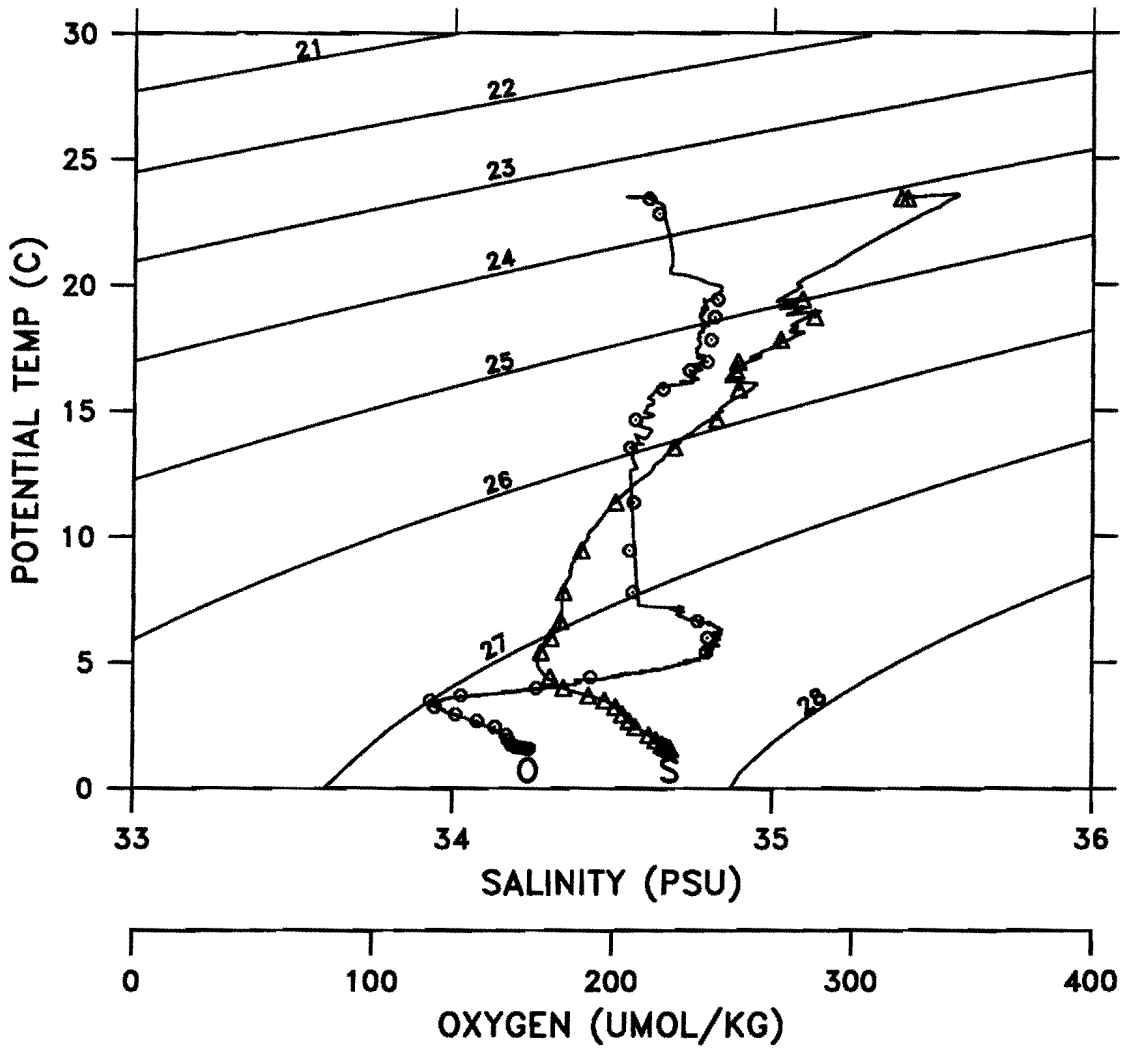


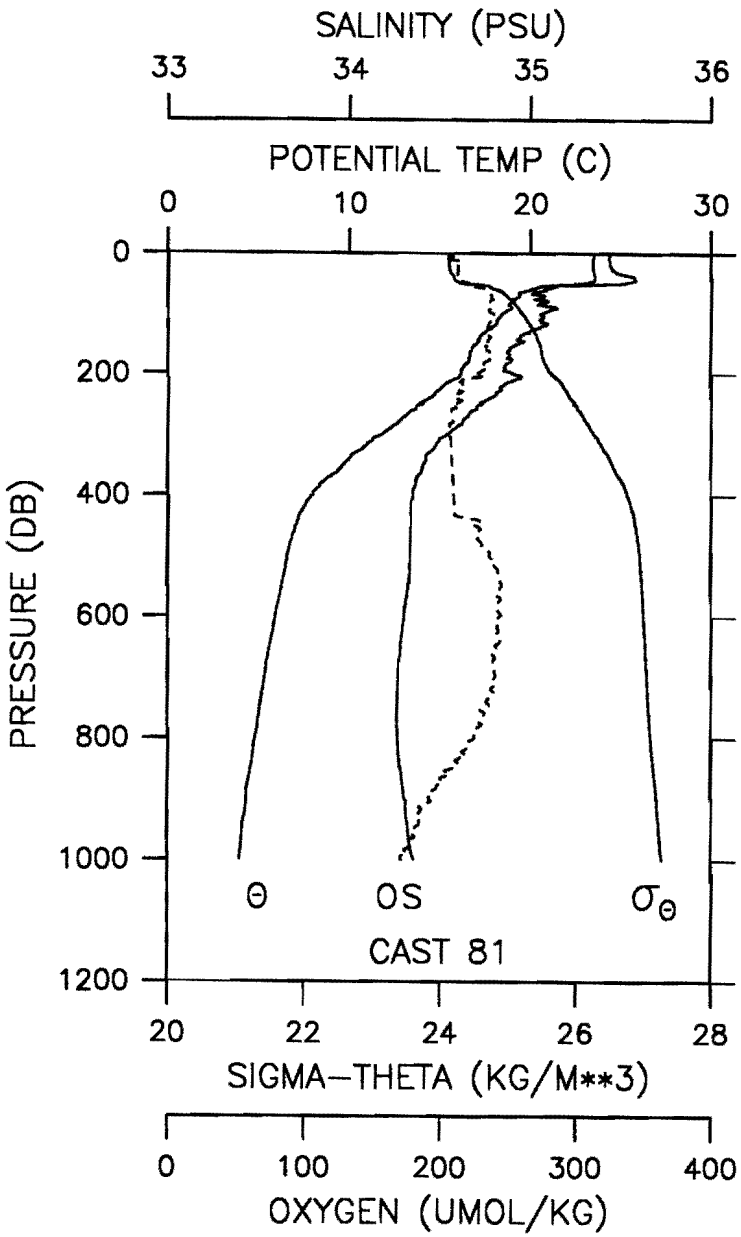
CAST CG2-94-DI -080 DATE 21 MAR 94 TIME 1130 GMT
LAT 29 29.5S LONG 103 0.3W WEATHER 0 SEA STATE 4
BAROMETER 20 WIND DIR 160 T SPD 8 KT VISIBILITY 8
CLOUD X AMOUNT 0 DRY 21.4 WET 16.3 DEPTH 3400 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	23.300	35.331	220.3	24.099	0.000
10	23.312	35.328	220.3	24.093	0.038
20	23.309	35.328	220.5	24.094	0.076
30	23.310	35.328	221.1	24.094	0.114
40	23.308	35.328	222.5	24.095	0.153
50	20.947	35.070	230.9	24.563	0.190
60	19.548	34.998	245.7	24.880	0.222
70	19.219	35.038	243.6	24.996	0.252
80	18.991	35.057	242.9	25.068	0.282
90	18.355	34.965	245.2	25.158	0.310
100	17.943	34.969	242.0	25.263	0.338
110	17.973	35.046	241.5	25.315	0.365
120	17.623	34.981	239.7	25.351	0.392
130	17.244	34.916	239.5	25.393	0.418
140	16.849	34.847	239.2	25.433	0.444
150	16.537	34.803	240.1	25.473	0.470
160	16.299	34.788	239.3	25.517	0.495
170	15.960	34.762	237.0	25.574	0.520
180	15.763	34.768	232.2	25.624	0.545
190	15.561	34.831	221.6	25.718	0.568
200	15.045	34.800	220.4	25.809	0.591
250	13.010	34.649	211.4	26.120	0.696
300	11.193	34.497	214.9	26.350	0.788
350	8.985	34.366	209.3	26.624	0.868
400	7.824	34.335	208.8	26.778	0.939
450	6.826	34.334	207.2	26.918	1.001
500	6.422	34.327	238.1	26.967	1.060
550	6.117	34.314	242.8	26.996	1.117
600	5.864	34.299	241.7	27.016	1.173
650	5.605	34.283	242.9	27.035	1.229
700	5.355	34.270	238.8	27.055	1.283
750	5.132	34.265	231.0	27.078	1.337
800	4.876	34.265	223.3	27.107	1.390
900	4.373	34.295	198.1	27.186	1.490
1000	3.973	34.343	173.3	27.266	1.583
1500	2.649	34.555	139.8	27.561	1.951
2000	1.901	34.643	155.7	27.693	2.223
2500	1.662	34.666	159.0	27.730	2.459
3000	1.604	34.677	164.4	27.743	2.695
3489	1.568	34.684	166.6	27.751	2.931

CAST CG2-94-DI -081 DATE 21 MAR 94 TIME 1926 GMT

LAT 29 00.1S LONG 103 00.8W



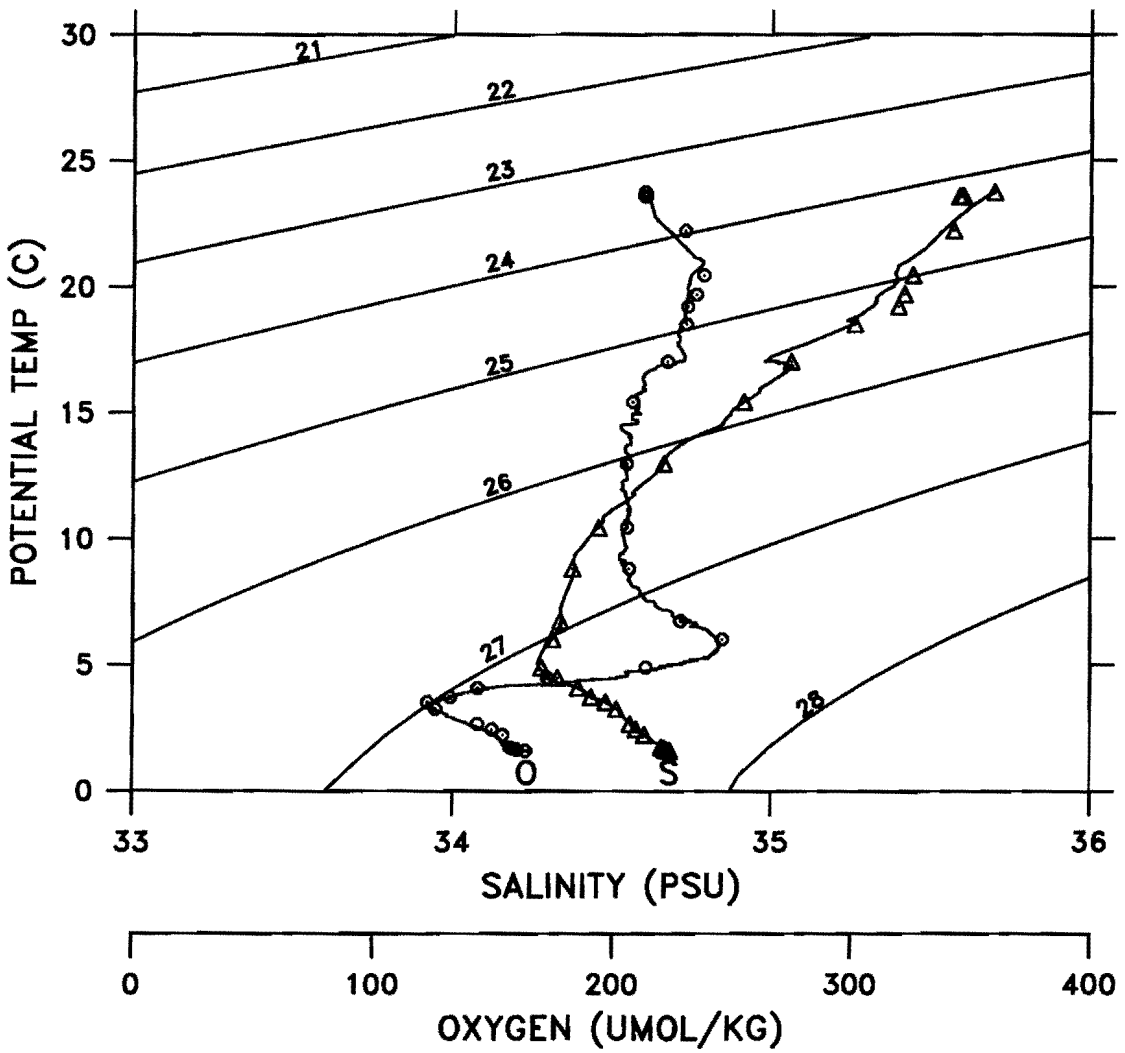


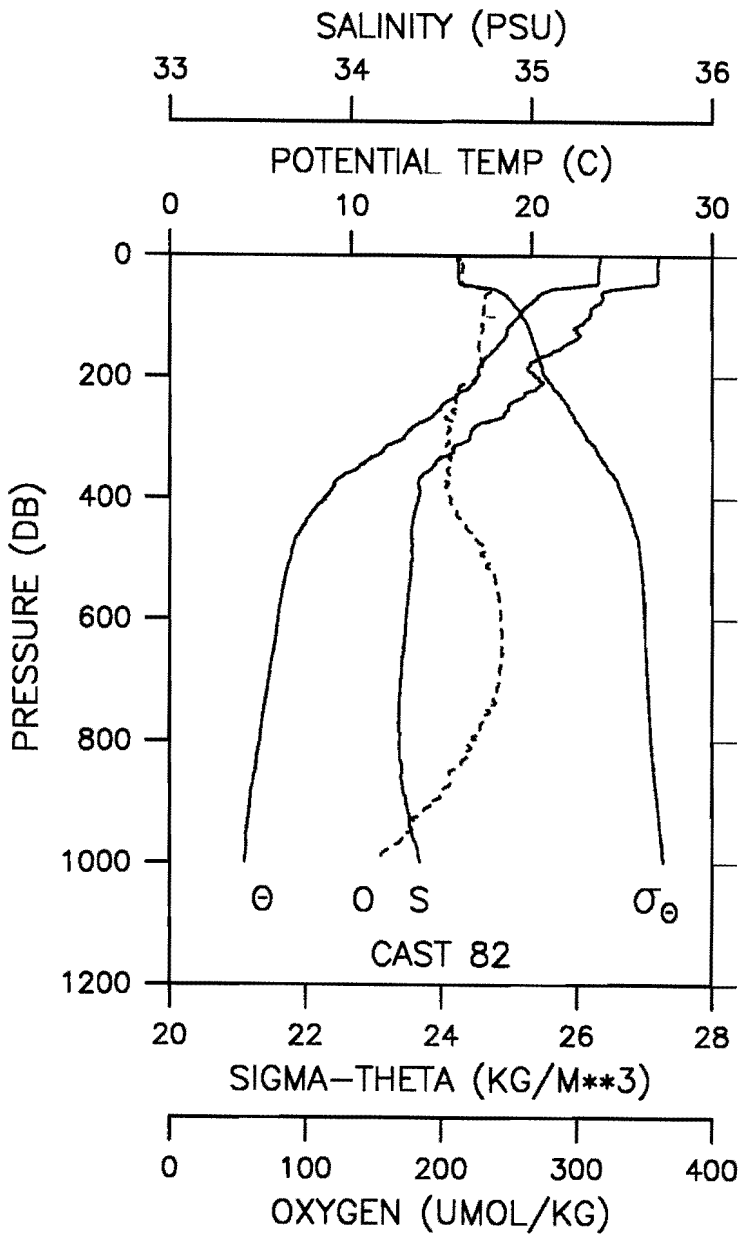
CAST CG2–94–DI –081 DATE 21 MAR 94 TIME 1926 GMT
LAT 29 00.1S LONG 103 00.8W WEATHER 1 SEA STATE 3
BAROMETER 21 WIND DIR 140 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 1 DRY 22.8 WET 18.2 DEPTH 3546 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG–TH	DELTA–D (DYN–M)
0	23.498	35.439	207.1	24.124	0.000
10	23.476	35.436	206.8	24.128	0.038
20	23.472	35.443	213.2	24.134	0.076
30	23.498	35.471	213.1	24.148	0.113
40	23.575	35.576	213.9	24.204	0.151
50	22.863	35.479	220.5	24.338	0.188
60	19.987	35.077	242.9	24.825	0.220
70	19.415	35.079	237.5	24.976	0.251
80	19.074	35.093	236.8	25.075	0.280
90	18.927	35.138	237.5	25.147	0.309
100	18.437	35.061	239.5	25.212	0.337
110	18.144	35.051	237.0	25.276	0.365
120	18.004	35.076	235.5	25.330	0.392
130	17.516	34.994	235.2	25.387	0.418
140	17.191	34.944	236.7	25.426	0.445
150	17.014	34.937	237.8	25.464	0.470
160	16.735	34.885	233.9	25.489	0.496
170	16.653	34.884	234.3	25.508	0.521
180	16.581	34.890	234.3	25.529	0.546
190	16.247	34.852	235.2	25.578	0.571
200	16.156	34.899	227.8	25.635	0.595
250	14.001	34.735	210.1	25.983	0.707
300	11.839	34.546	207.5	26.268	0.804
350	9.669	34.407	208.8	26.545	0.888
400	7.981	34.349	210.1	26.766	0.960
450	7.067	34.340	226.6	26.890	1.024
500	6.579	34.336	236.1	26.953	1.084
550	6.277	34.325	245.2	26.984	1.142
600	5.918	34.301	244.0	27.010	1.198
650	5.613	34.283	241.4	27.035	1.254
700	5.329	34.269	240.1	27.057	1.308
750	5.074	34.264	231.2	27.084	1.362
800	4.816	34.266	224.8	27.115	1.414
900	4.313	34.306	191.9	27.201	1.513
1000	3.956	34.352	169.9	27.275	1.605
1500	2.670	34.552	141.9	27.557	1.970
2000	1.924	34.637	155.7	27.687	2.242
2500	1.669	34.665	159.1	27.729	2.480
3000	1.611	34.676	162.7	27.742	2.717
3500	1.584	34.681	164.4	27.748	2.960
3569	1.576	34.683	164.6	27.750	2.994

CAST CG2-94-DI -082 DATE 22 MAR 94 TIME 0103 GMT

LAT 28 29.7S LONG 102 59.8W



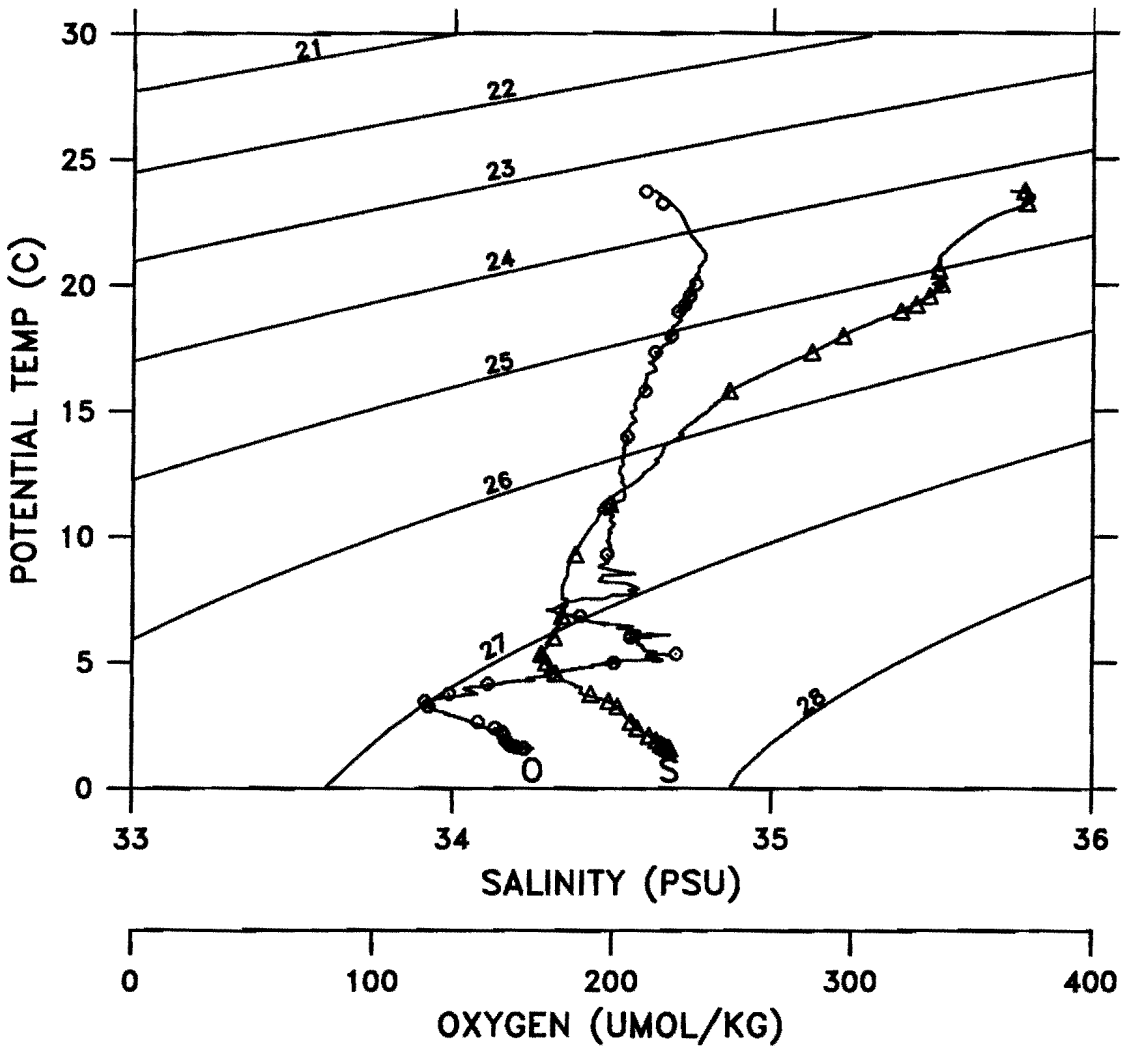


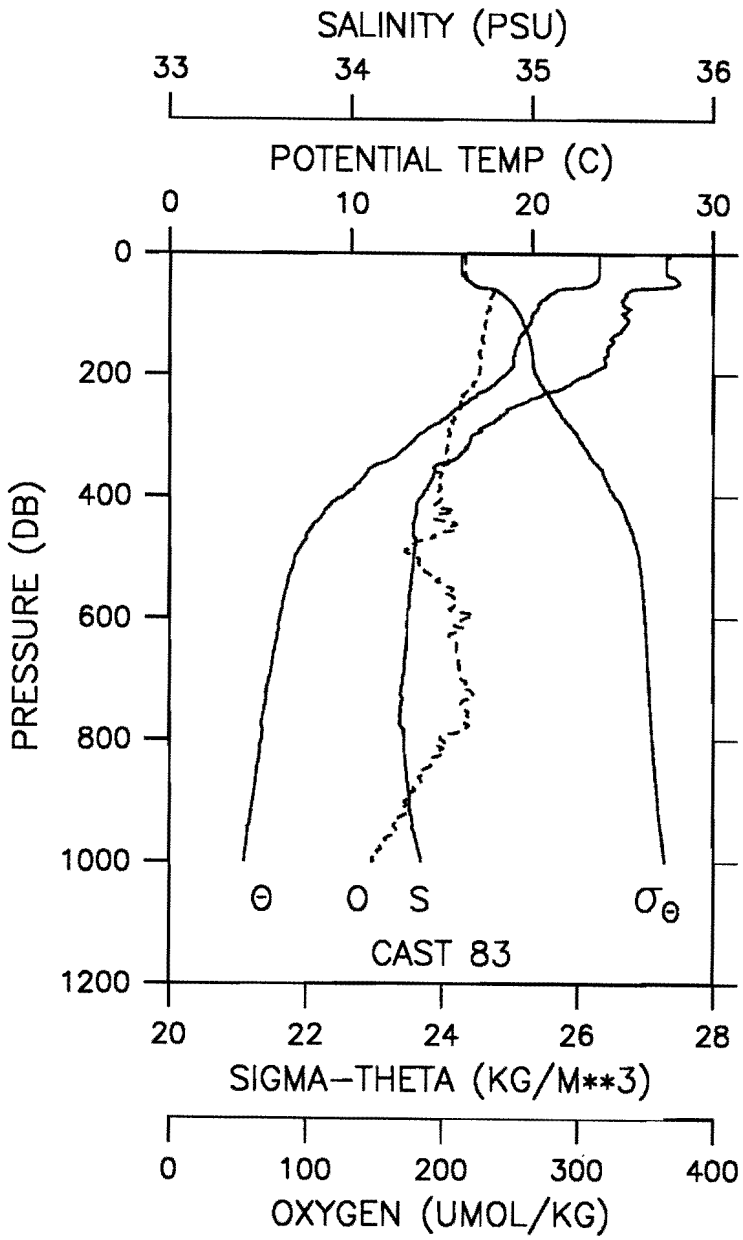
CAST CG2-94-DI -082 DATE 22 MAR 94 TIME 0103 GMT
LAT 28 29.7S LONG 102 59.8W WEATHER 1 SEA STATE 4
BAROMETER 14 WIND DIR 145 T SPD 10 KT VISIBILITY 8
CLOUD 6 AMOUNT 6 DRY 23.5 WET 18.9 DEPTH 3287 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	23.817	35.707	213.5	24.233	0.000
10	23.764	35.701	215.3	24.244	0.037
20	23.731	35.699	215.4	24.252	0.073
30	23.719	35.699	215.4	24.256	0.110
40	23.714	35.701	215.3	24.258	0.147
50	22.764	35.588	217.2	24.449	0.183
60	20.745	35.397	236.0	24.867	0.216
70	20.317	35.396	232.2	24.981	0.246
80	19.904	35.364	231.3	25.066	0.275
90	19.518	35.328	231.0	25.140	0.304
100	19.302	35.321	230.5	25.191	0.333
110	18.981	35.288	230.3	25.247	0.360
120	18.655	35.236	230.5	25.291	0.388
130	18.600	35.262	229.2	25.324	0.415
140	18.416	35.236	228.1	25.350	0.441
150	18.091	35.174	227.2	25.384	0.468
160	17.786	35.116	226.7	25.414	0.494
170	17.409	35.035	229.1	25.444	0.520
180	17.183	34.994	229.8	25.467	0.546
190	17.030	34.983	228.9	25.495	0.571
200	16.976	35.021	226.1	25.537	0.597
250	14.966	34.871	211.3	25.881	0.714
300	12.894	34.655	205.9	26.148	0.817
350	10.435	34.450	205.5	26.448	0.907
400	8.544	34.373	207.1	26.699	0.982
450	7.311	34.337	218.5	26.853	1.049
500	6.684	34.342	234.3	26.943	1.109
550	6.249	34.321	241.4	26.985	1.167
600	5.978	34.306	243.6	27.007	1.224
650	5.747	34.293	244.7	27.026	1.280
700	5.450	34.276	242.3	27.048	1.335
750	5.186	34.267	235.2	27.073	1.389
800	4.965	34.270	223.8	27.101	1.442
900	4.414	34.305	190.3	27.190	1.543
1000	4.125	34.382	152.5	27.282	1.635
1500	2.715	34.552	139.0	27.553	2.001
2000	1.912	34.638	154.3	27.689	2.276
2500	1.681	34.664	157.5	27.727	2.514
3000	1.616	34.676	162.8	27.741	2.752
3380	1.593	34.680	164.2	27.747	2.935

CAST CG2-94-DI -083 DATE 22 MAR 94 TIME 0735 GMT

LAT 28 01.0S LONG 103 00.9W



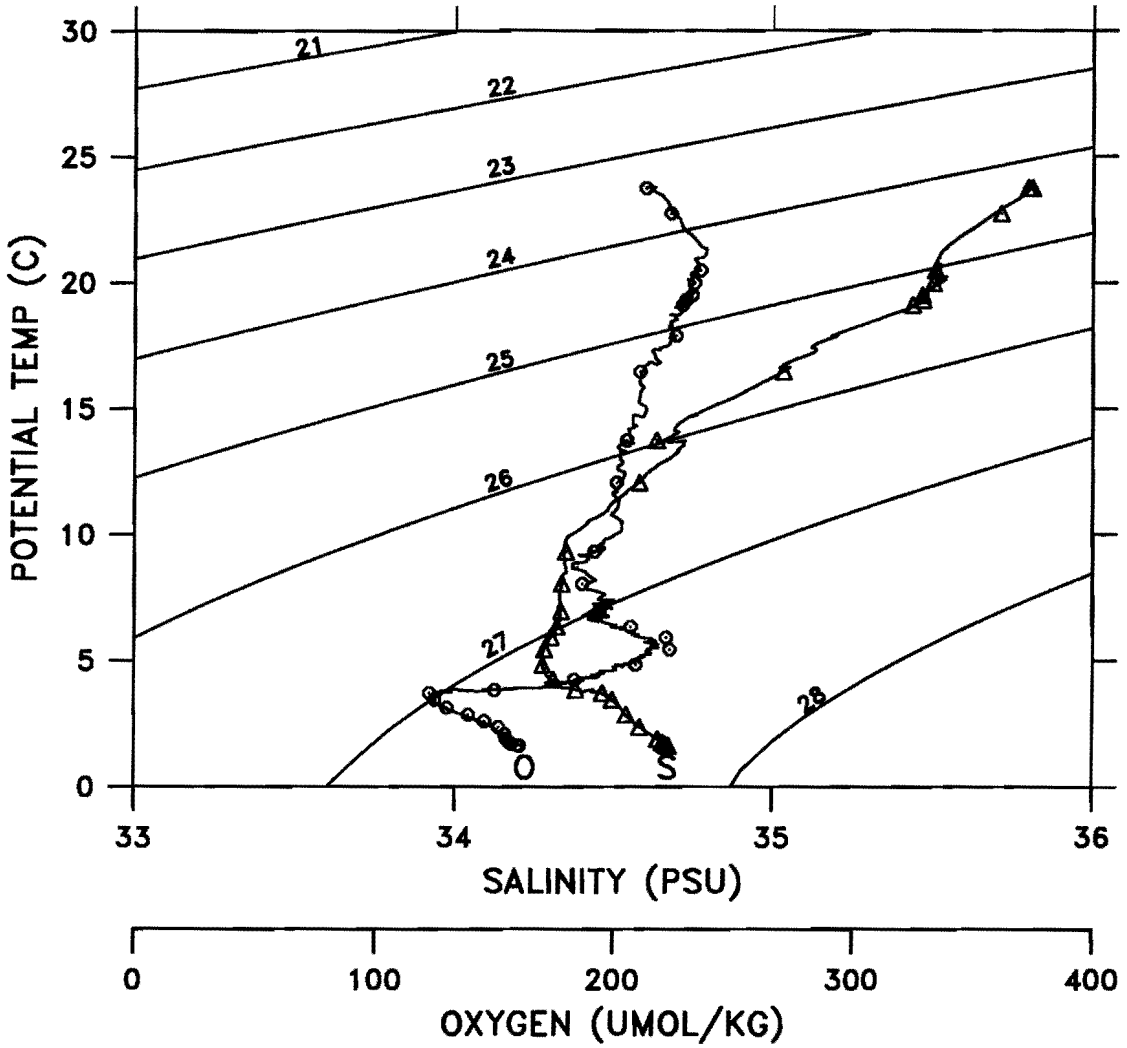


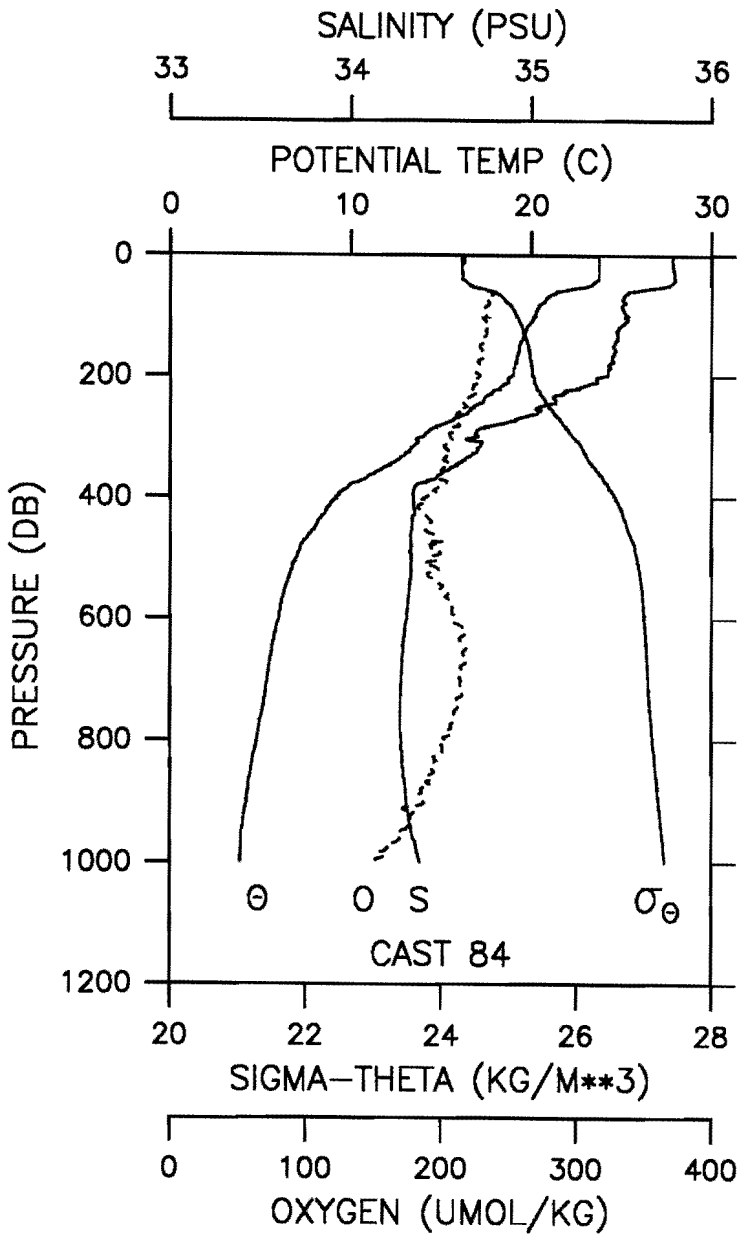
CAST CG2-94-DI -083 DATE 22 MAR 94 TIME 0735 GMT
LAT 28 01.0S LONG 103 00.9W WEATHER 1 SEA STATE 1
BAROMETER 20 WIND DIR 100 T SPD 12 KT VISIBILITY 9
CLOUD 8 AMOUNT 2 DRY 22.0 WET 17.0 DEPTH 3347 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	23.716	35.764	217.1	24.306	0.000
10	23.717	35.743	217.1	24.290	0.036
20	23.719	35.743	217.1	24.289	0.072
30	23.716	35.745	217.1	24.291	0.109
40	23.663	35.794	218.0	24.344	0.145
50	23.329	35.810	222.7	24.454	0.181
60	21.355	35.542	237.4	24.811	0.214
70	20.856	35.517	236.7	24.928	0.245
80	20.460	35.502	234.9	25.023	0.275
90	20.321	35.539	235.2	25.089	0.304
100	20.040	35.503	232.8	25.136	0.333
110	19.940	35.533	232.3	25.186	0.362
120	19.772	35.513	231.6	25.214	0.390
130	19.528	35.488	230.9	25.259	0.417
140	19.250	35.434	229.3	25.290	0.445
150	19.194	35.437	230.9	25.307	0.472
160	19.060	35.413	228.3	25.323	0.499
170	18.989	35.409	228.2	25.338	0.526
180	18.957	35.404	226.5	25.342	0.553
190	18.820	35.373	228.2	25.353	0.580
200	18.546	35.316	227.1	25.379	0.606
250	16.169	34.924	213.5	25.651	0.733
300	13.707	34.673	205.7	25.996	0.846
350	11.258	34.463	199.6	26.311	0.944
400	9.562	34.390	198.3	26.549	1.028
450	7.866	34.341	206.5	26.776	1.099
500	6.892	34.343	182.0	26.917	1.163
550	6.446	34.329	207.6	26.965	1.222
600	6.063	34.310	217.5	27.000	1.280
650	5.784	34.302	211.1	27.028	1.336
700	5.465	34.282	214.1	27.051	1.391
750	5.191	34.273	215.3	27.077	1.444
800	5.062	34.292	199.5	27.107	1.497
900	4.575	34.322	172.9	27.186	1.598
1000	4.096	34.384	147.7	27.286	1.690
1500	2.634	34.559	140.9	27.566	2.052
2000	1.894	34.639	153.5	27.691	2.323
2500	1.682	34.664	158.0	27.727	2.561
3000	1.623	34.674	163.4	27.739	2.799
3387	1.591	34.680	166.7	27.747	2.987

CAST CG2-94-DI -084 DATE 22 MAR 94 TIME 1335 GMT

LAT 27 30.7S LONG 103 01.1W



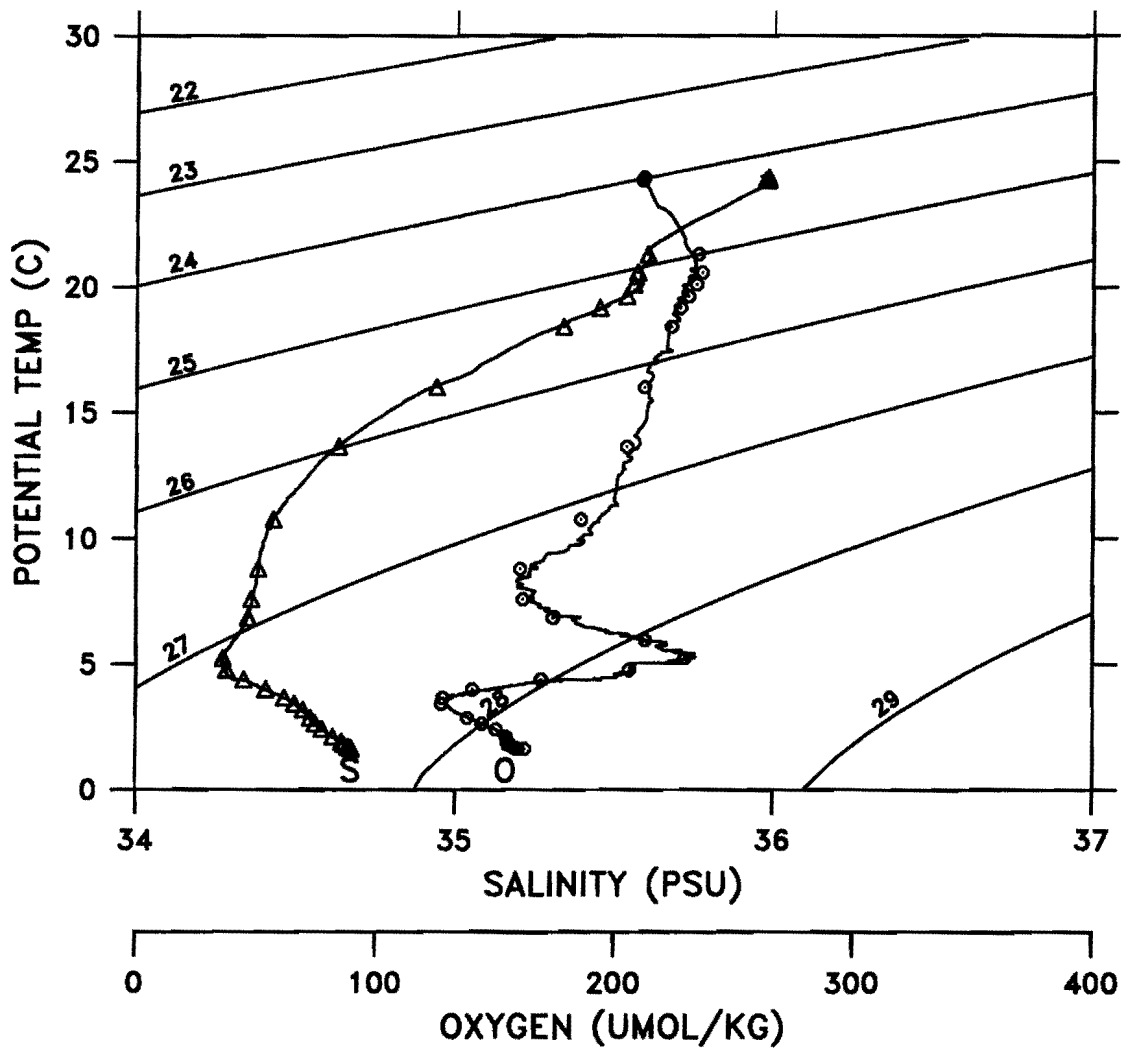


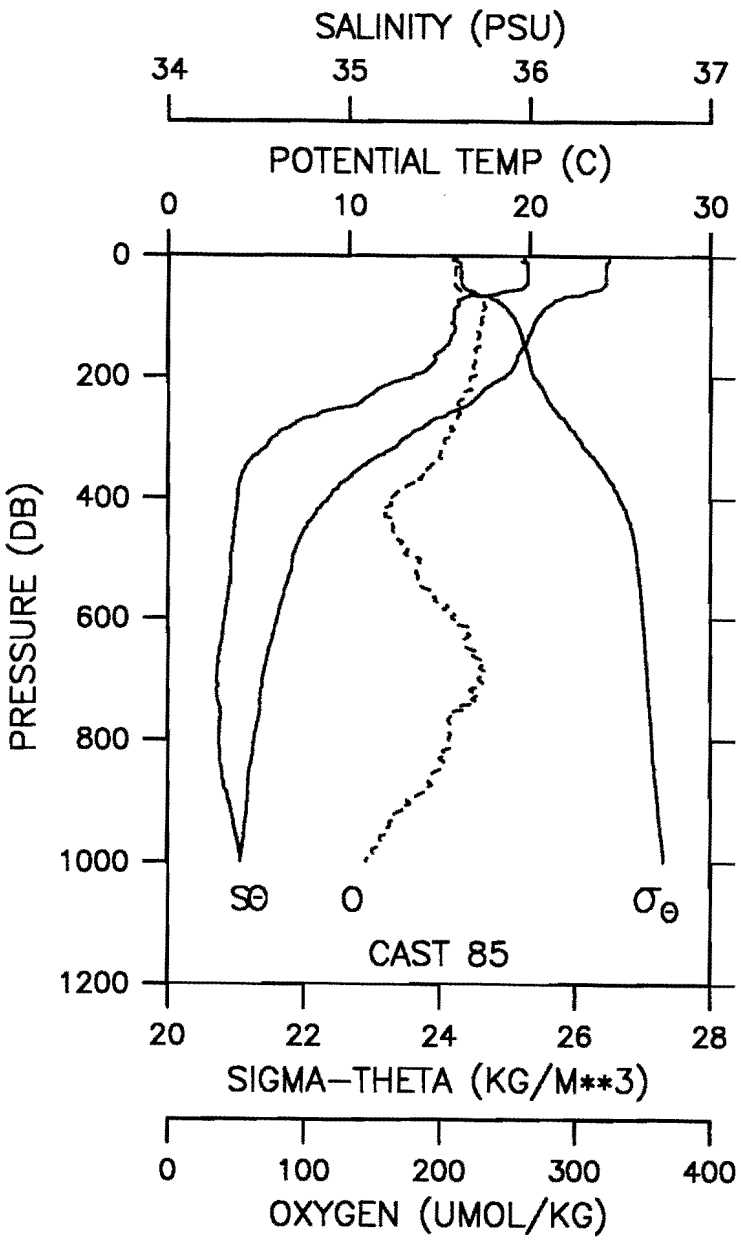
CAST CG2-94-DI -084 DATE 22 MAR 94 TIME 1335 GMT
LAT 27 30.7S LONG 103 01.1W WEATHER 1 SEA STATE 3
BAROMETER 18 WIND DIR 085 T SPD 08 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 22.8 WET 19.3 DEPTH 3059 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	23.785	35.787	217.0	24.303	0.000
10	23.779	35.785	217.0	24.303	0.036
20	23.789	35.790	214.1	24.304	0.072
30	23.773	35.795	215.8	24.313	0.109
40	23.723	35.800	215.6	24.331	0.145
50	23.250	35.757	222.0	24.437	0.180
60	21.396	35.540	236.8	24.798	0.214
70	20.894	35.513	234.0	24.914	0.245
80	20.565	35.517	235.4	25.007	0.275
90	20.317	35.509	232.4	25.067	0.304
100	20.244	35.540	233.4	25.110	0.333
110	20.000	35.520	233.5	25.160	0.362
120	19.769	35.488	233.7	25.196	0.390
130	19.597	35.477	233.5	25.233	0.418
140	19.469	35.472	232.2	25.262	0.446
150	19.331	35.456	228.7	25.286	0.473
160	19.280	35.461	230.0	25.303	0.500
170	19.207	35.451	230.5	25.314	0.528
180	19.077	35.430	228.0	25.331	0.555
190	19.007	35.427	225.7	25.347	0.582
200	18.863	35.398	228.6	25.361	0.609
250	16.814	35.045	219.3	25.594	0.738
300	14.022	34.699	206.8	25.951	0.853
350	11.889	34.560	202.6	26.269	0.952
400	9.178	34.347	188.4	26.578	1.036
450	8.010	34.338	189.0	26.753	1.108
500	6.975	34.333	195.3	26.897	1.172
550	6.367	34.325	199.4	26.972	1.232
600	6.021	34.311	210.2	27.006	1.289
650	5.629	34.291	218.2	27.038	1.344
700	5.367	34.281	214.2	27.062	1.399
750	5.114	34.276	210.3	27.088	1.452
800	4.786	34.280	203.2	27.129	1.504
900	4.214	34.308	184.8	27.213	1.601
1000	3.848	34.381	154.1	27.309	1.690
1500	2.602	34.560	143.6	27.569	2.048
2000	1.889	34.640	154.3	27.692	2.317
2500	1.696	34.663	158.0	27.725	2.556
3000	1.641	34.671	162.0	27.736	2.797
3072	1.630	34.673	163.0	27.738	2.832

CAST CG2-94-DI -085 DATE 22 MAR 94 TIME 2134 GMT

LAT 26 55.2S LONG 103 00.5W



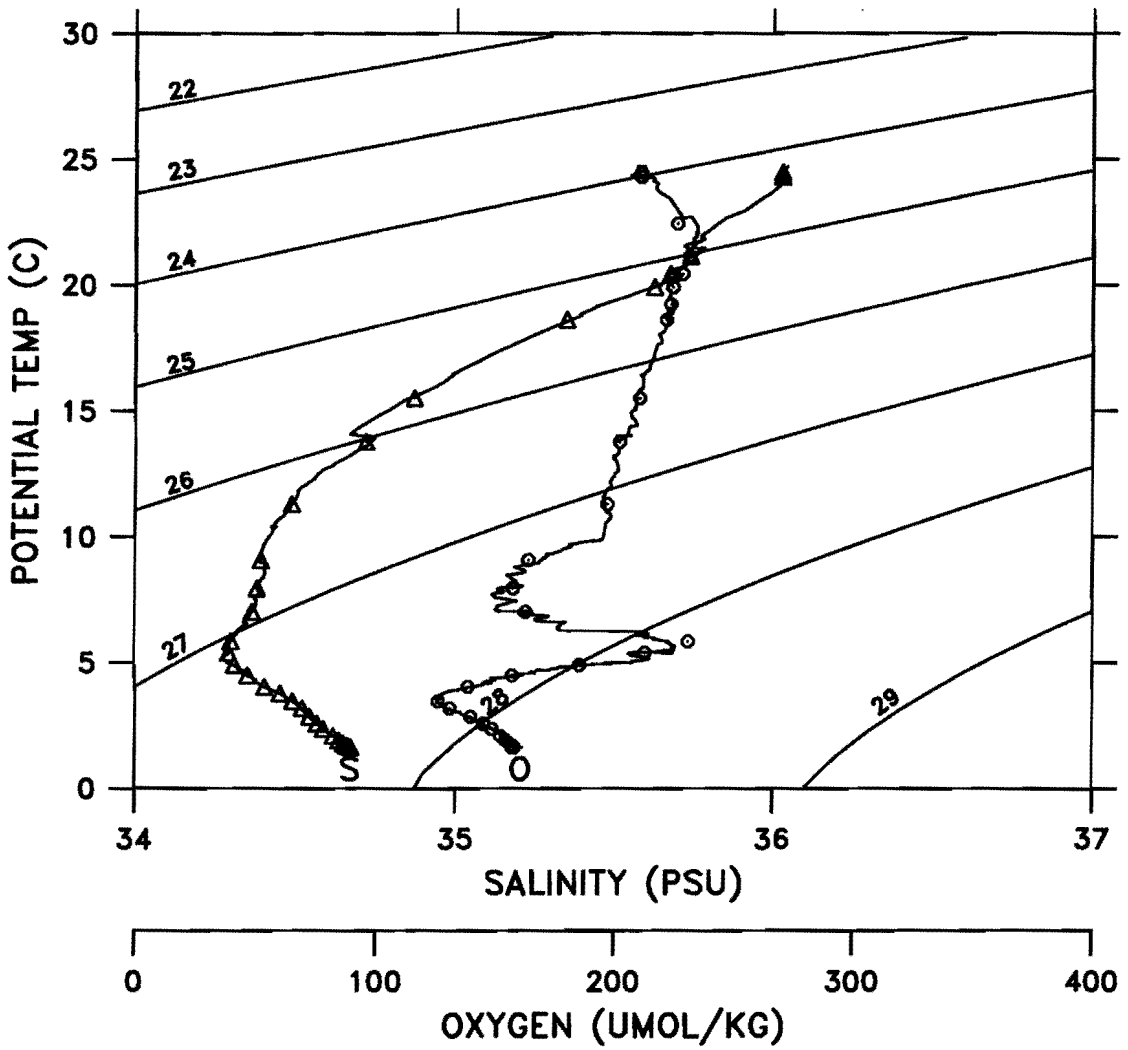


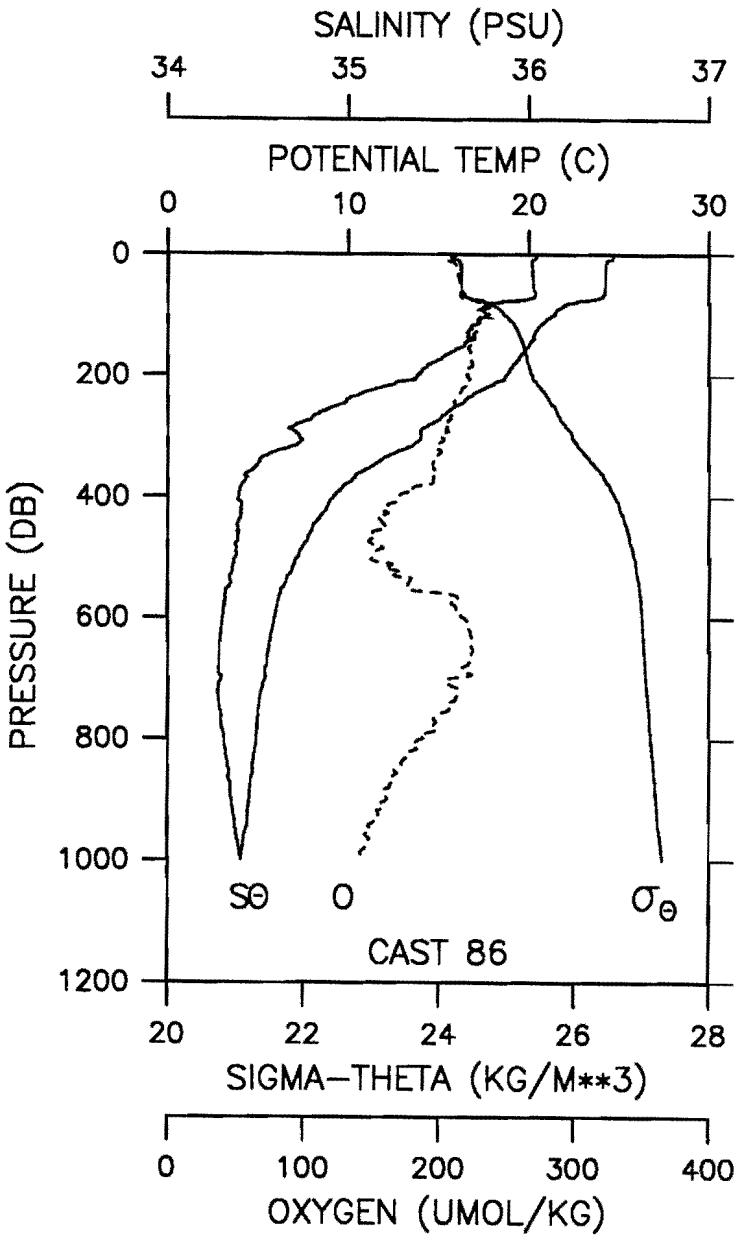
CAST CG2-94-DI -085 DATE 22 MAR 94 TIME 2134 GMT
LAT 26 55.2S LONG 103 00.5W WEATHER 0 SEA STATE 2
BAROMETER 19 WIND DIR 034 T SPD 03 KT VISIBILITY 8
CLOUD 8 AMOUNT 4 DRY 23.8 WET 21.0 DEPTH 3139 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.414	35.971	210.5	24.255	0.000
10	24.337	35.984	212.0	24.288	0.037
20	24.242	35.986	211.6	24.318	0.073
30	24.233	35.987	211.6	24.321	0.109
40	24.229	35.987	212.0	24.322	0.145
50	24.087	35.969	212.1	24.351	0.181
60	23.165	35.835	218.4	24.521	0.216
70	21.740	35.627	229.0	24.769	0.249
80	21.110	35.606	232.9	24.927	0.280
90	20.729	35.579	231.7	25.010	0.310
100	20.449	35.578	232.0	25.085	0.340
110	20.220	35.568	231.1	25.138	0.369
120	20.125	35.585	230.3	25.176	0.397
130	19.959	35.568	229.8	25.208	0.425
140	19.845	35.556	228.3	25.228	0.453
150	19.626	35.529	228.6	25.265	0.481
160	19.409	35.490	227.5	25.292	0.508
170	19.288	35.478	225.5	25.314	0.536
180	19.144	35.453	224.9	25.332	0.563
190	18.970	35.420	224.2	25.351	0.590
200	18.619	35.353	222.7	25.389	0.616
250	16.283	34.983	215.1	25.670	0.742
300	13.110	34.579	206.5	26.045	0.853
350	10.621	34.425	191.3	26.396	0.947
400	8.855	34.382	167.7	26.658	1.025
450	7.556	34.363	165.8	26.839	1.093
500	6.882	34.345	185.4	26.919	1.155
550	6.446	34.334	191.3	26.969	1.214
600	6.021	34.312	209.7	27.006	1.272
650	5.551	34.283	222.0	27.042	1.327
700	5.193	34.267	229.1	27.071	1.381
750	5.052	34.286	217.4	27.103	1.434
800	4.736	34.280	207.0	27.135	1.485
900	4.362	34.336	177.1	27.220	1.583
1000	3.976	34.399	146.5	27.310	1.672
1500	2.647	34.560	144.6	27.565	2.029
2000	1.901	34.639	155.9	27.690	2.299
2500	1.699	34.662	156.8	27.725	2.540
3000	1.644	34.671	156.5	27.736	2.780
3174	1.643	34.671	154.4	27.736	2.865

CAST CG2-94-DI -086 DATE 23 MAR 94 TIME 0234 GMT

LAT 26 29.7S LONG 103 00.0W



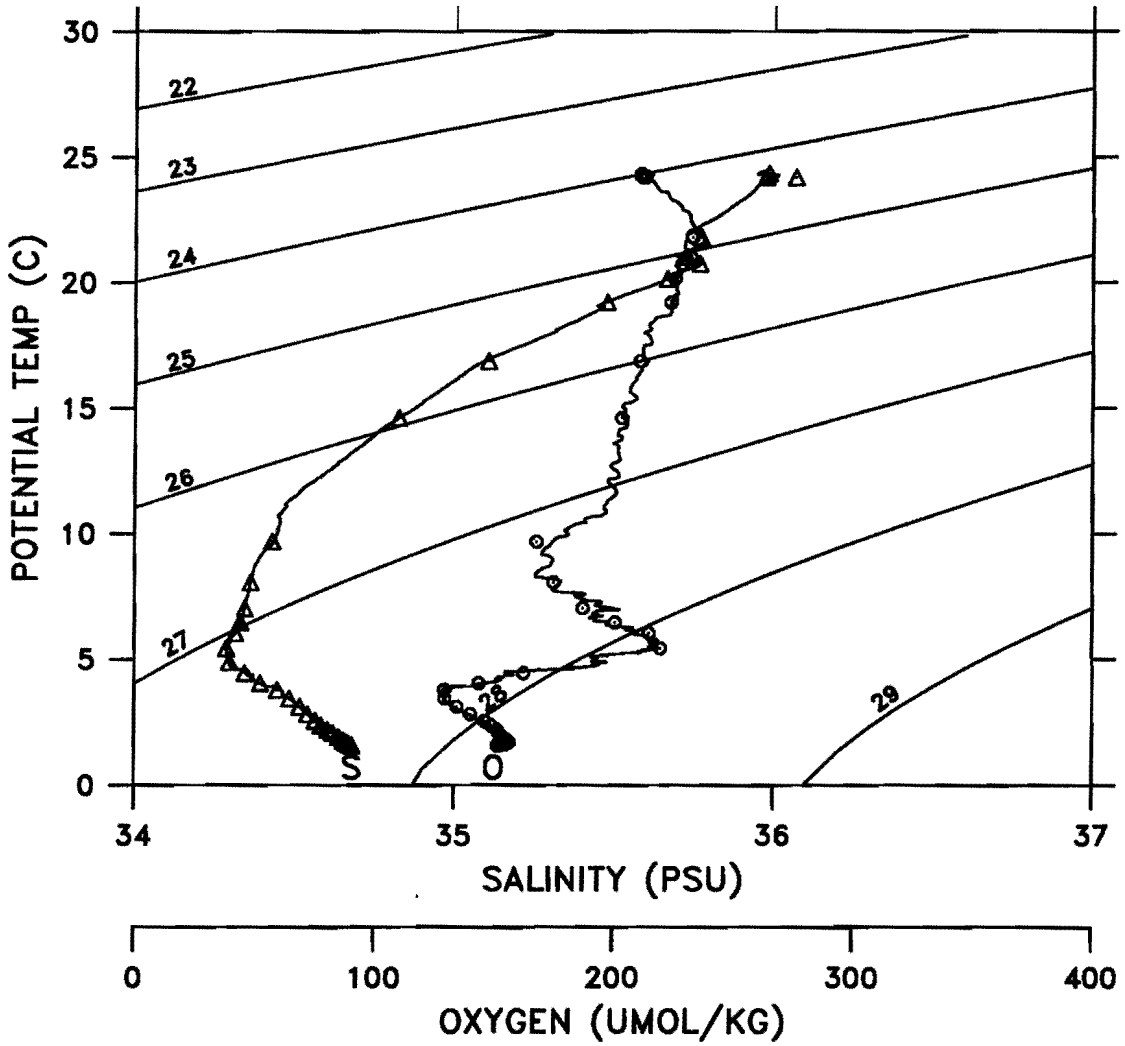


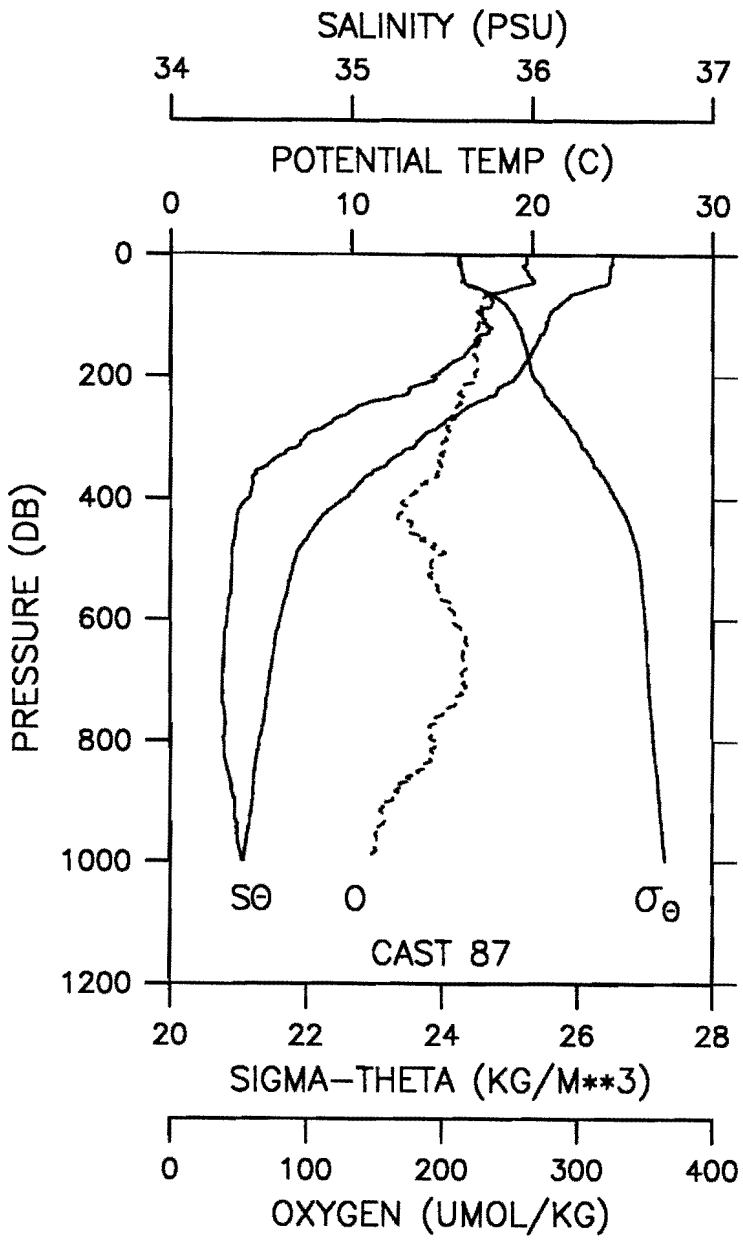
CAST CG2-94-DI -086 DATE 23 MAR 94 TIME 0234 GMT
LAT 26 29.7S LONG 103 00.0W WEATHER 1 SEA STATE 2
BAROMETER 18 WIND DIR 060 T SPD 07 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 23.8 WET 20.4 DEPTH 3463 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.695	36.043	210.1	24.224	0.000
10	24.374	36.017	207.6	24.301	0.037
20	24.293	36.019	213.6	24.327	0.073
30	24.279	36.020	215.1	24.332	0.109
40	24.272	36.022	215.0	24.336	0.145
50	24.265	36.024	215.2	24.339	0.181
60	24.247	36.030	216.0	24.350	0.217
70	24.120	36.034	216.5	24.390	0.253
80	22.370	35.816	234.4	24.735	0.287
90	21.658	35.757	232.1	24.890	0.318
100	21.430	35.771	230.3	24.965	0.349
110	20.943	35.731	228.8	25.067	0.378
120	20.571	35.681	226.7	25.130	0.407
130	20.336	35.662	226.8	25.179	0.436
140	20.298	35.696	224.3	25.215	0.464
150	20.012	35.645	223.7	25.252	0.492
160	19.733	35.578	223.3	25.274	0.519
170	19.465	35.518	222.7	25.299	0.547
180	19.213	35.458	224.9	25.317	0.574
190	18.931	35.408	222.5	25.352	0.601
200	18.708	35.381	221.0	25.388	0.628
250	15.972	34.938	211.9	25.707	0.754
300	14.018	34.728	201.3	25.974	0.866
350	11.274	34.488	195.9	26.328	0.963
400	9.149	34.392	171.3	26.619	1.044
450	8.035	34.387	161.8	26.788	1.115
500	7.199	34.375	150.7	26.899	1.179
550	6.433	34.338	176.5	26.974	1.239
600	5.901	34.302	218.5	27.014	1.295
650	5.587	34.287	224.6	27.040	1.351
700	5.395	34.296	207.7	27.071	1.405
750	5.027	34.288	208.2	27.108	1.457
800	4.888	34.312	187.7	27.142	1.508
900	4.503	34.353	161.4	27.218	1.606
1000	4.033	34.405	140.3	27.310	1.695
1500	2.614	34.565	143.4	27.572	2.056
2000	1.916	34.637	157.6	27.688	2.326
2500	1.712	34.661	156.9	27.722	2.567
3000	1.656	34.669	158.9	27.733	2.808
3490	1.639	34.672	160.7	27.737	3.052

CAST CG2-94-DI -087 DATE 23 MAR 94 TIME 0731 GMT

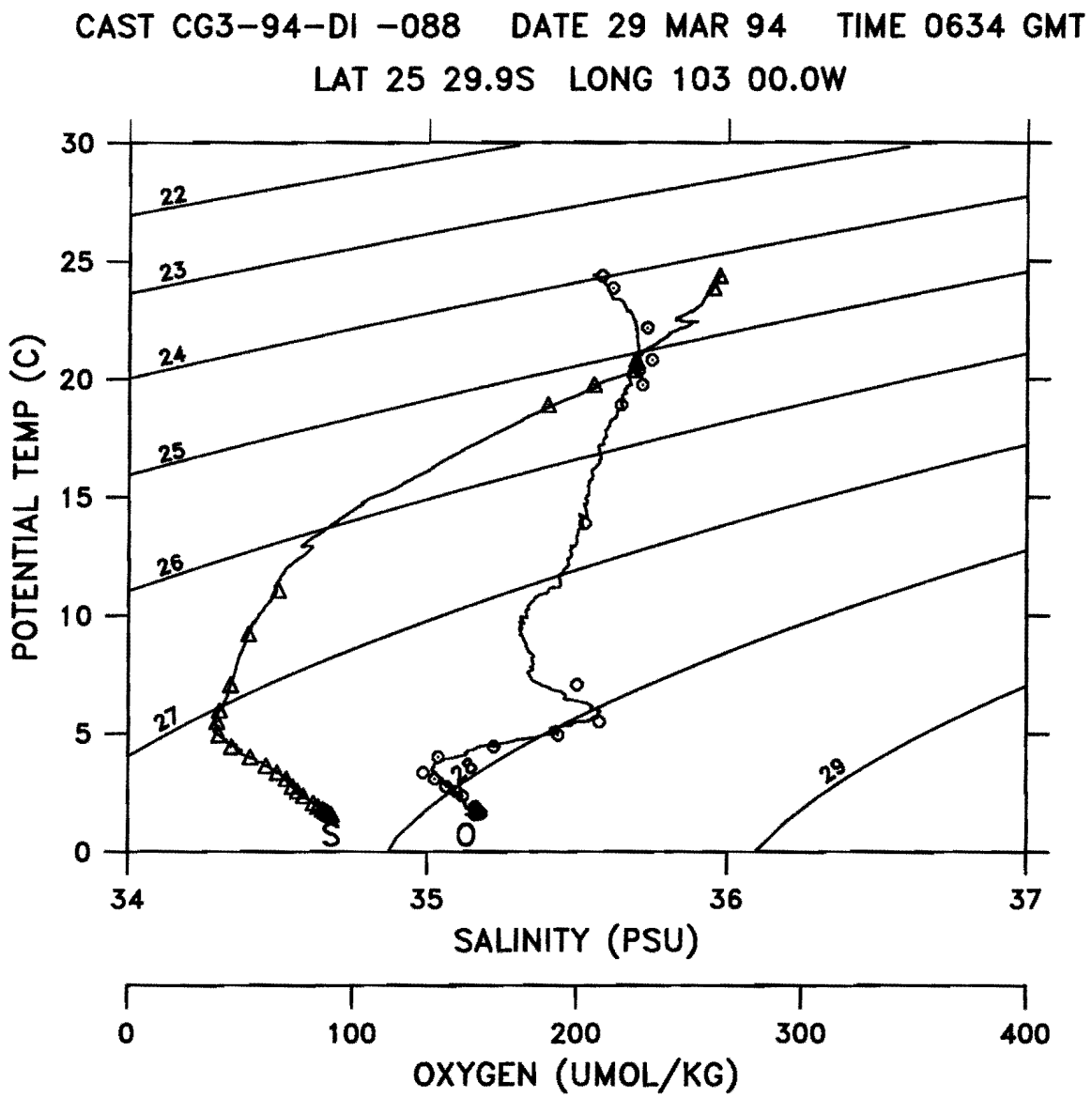
LAT 25 59.4S LONG 103 00.3W

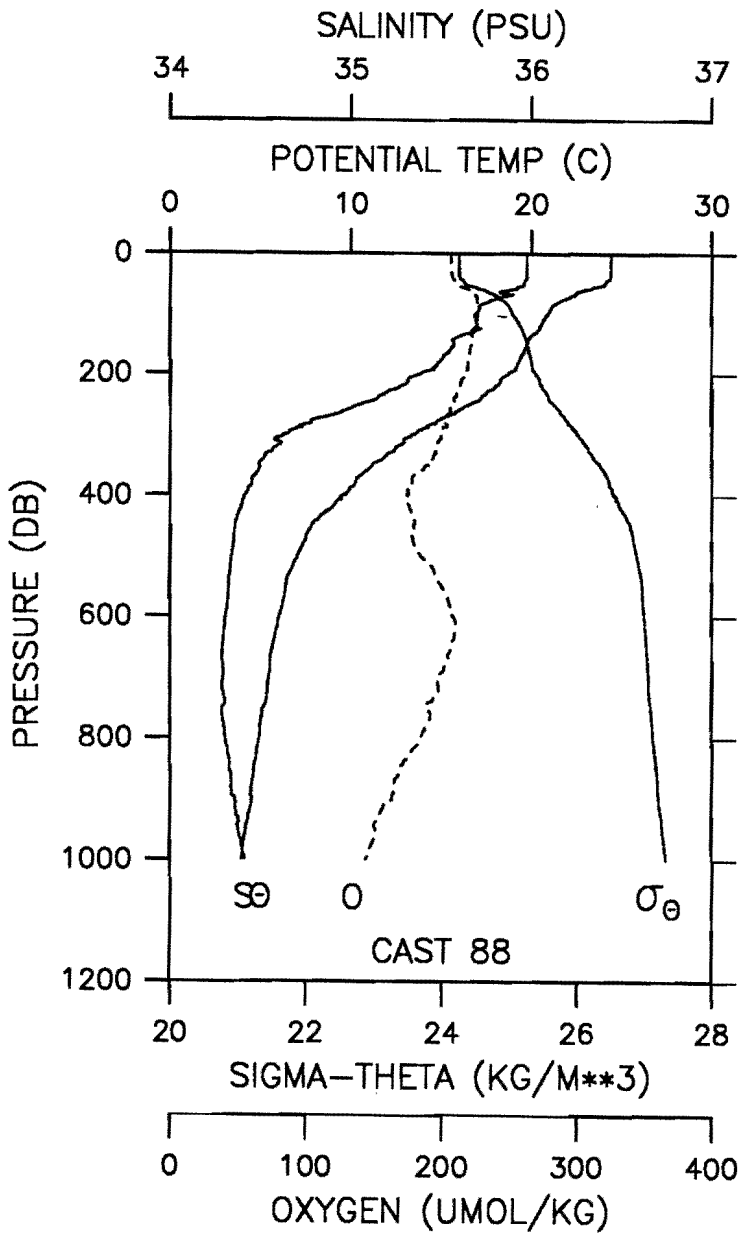




CAST CG2-94-DI -087 DATE 23 MAR 94 TIME 0731 GMT
LAT 25 59.4S LONG 103 00.3W WEATHER 1 SEA STATE 5
BAROMETER 19 WIND DIR 045 T SPD 08 KT VISIBILITY 8
CLOUD 8 AMOUNT 1 DRY 23.5 WET 20.0 DEPTH 3454 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.442	35.967	213.2	24.244	0.000
10	24.439	35.969	213.2	24.246	0.037
20	24.309	35.955	214.5	24.274	0.073
30	24.299	35.974	214.5	24.292	0.110
40	24.272	35.997	215.0	24.317	0.146
50	23.870	35.949	217.0	24.400	0.182
60	22.829	35.847	230.0	24.627	0.216
70	22.039	35.771	230.8	24.795	0.248
80	21.624	35.778	229.4	24.916	0.280
90	21.168	35.715	228.9	24.994	0.310
100	20.943	35.721	227.7	25.060	0.339
110	20.818	35.731	227.7	25.101	0.369
120	20.775	35.778	226.3	25.149	0.397
130	20.589	35.746	226.1	25.175	0.426
140	20.346	35.686	227.6	25.195	0.454
150	20.166	35.670	225.8	25.230	0.482
160	20.007	35.642	225.8	25.251	0.510
170	19.835	35.608	226.1	25.270	0.538
180	19.529	35.539	226.4	25.298	0.565
190	19.356	35.503	225.6	25.315	0.592
200	19.058	35.446	224.5	25.348	0.619
250	16.397	35.030	210.7	25.680	0.747
300	13.885	34.744	202.6	26.014	0.858
350	11.602	34.512	201.2	26.286	0.956
400	9.575	34.429	173.8	26.578	1.039
450	7.863	34.359	175.7	26.791	1.110
500	6.890	34.341	192.9	26.915	1.173
550	6.470	34.332	196.7	26.964	1.232
600	6.042	34.313	208.2	27.005	1.290
650	5.710	34.298	214.7	27.034	1.346
700	5.468	34.289	217.9	27.056	1.400
750	5.226	34.298	204.5	27.092	1.454
800	4.896	34.294	195.2	27.127	1.506
900	4.512	34.358	160.7	27.221	1.603
1000	4.035	34.395	145.7	27.301	1.694
1500	2.573	34.566	144.0	27.576	2.053
2000	1.903	34.640	155.4	27.691	2.319
2500	1.704	34.663	157.9	27.725	2.560
3000	1.619	34.675	153.4	27.740	2.799
3486	1.565	34.683	150.1	27.751	3.034


CAST CG3-94-DI -088 DATE 29 MAR 94 TIME 0634 GMT
LAT 25 29.9S LONG 103 00.0W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
22
23
24
25
26
27
28
29
S
O

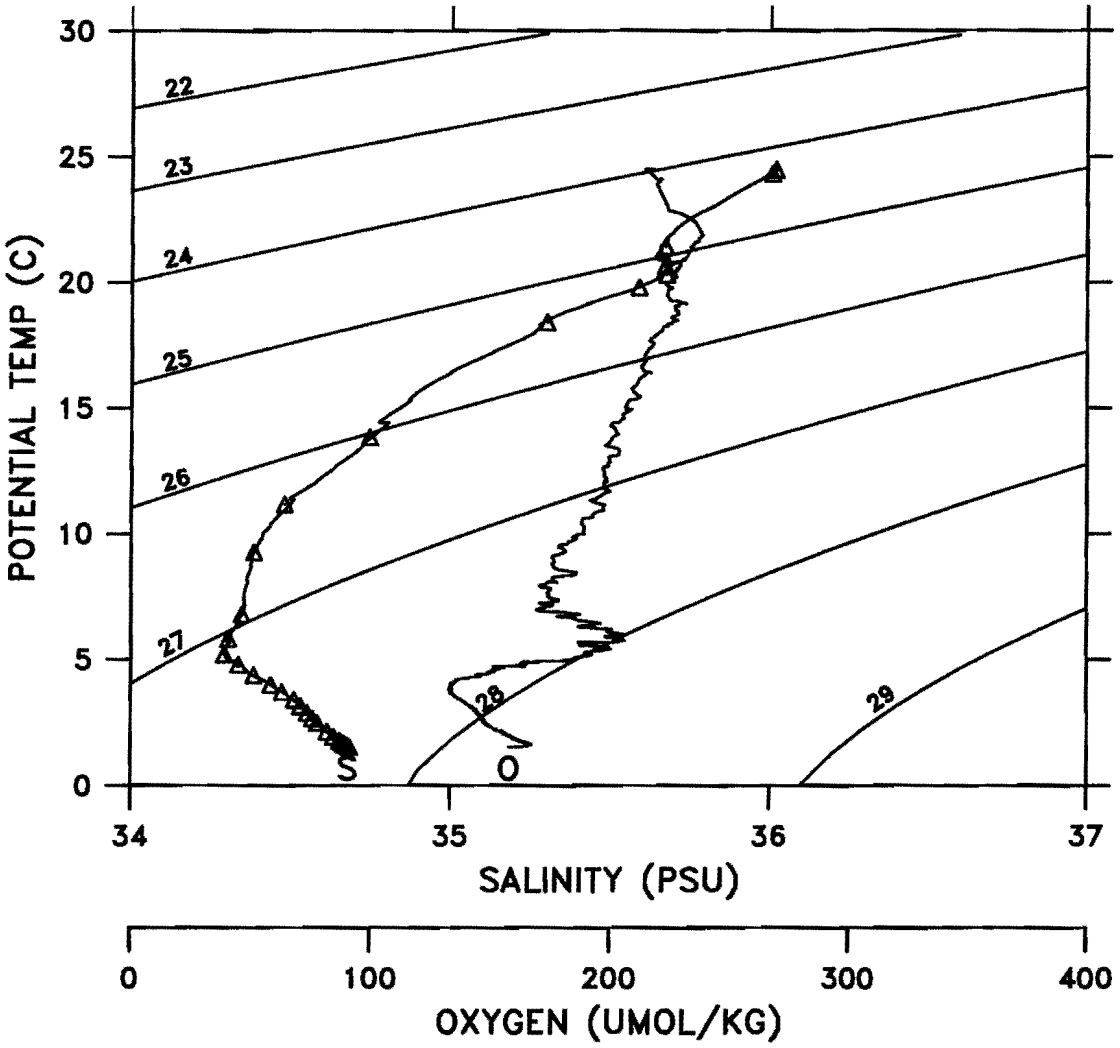


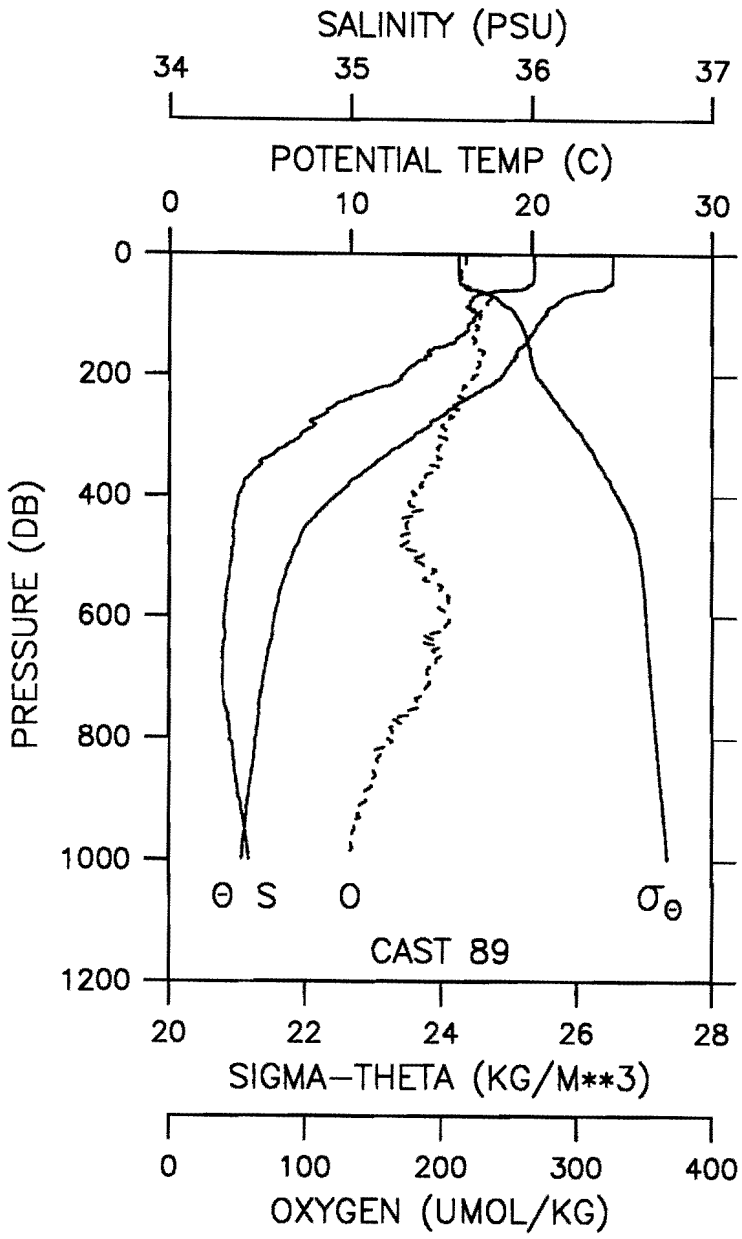
CAST CG3-94-DI -088 DATE 29 MAR 94 TIME 0634 GMT
LAT 25 29.9S LONG 103 00.0W WEATHER 1 SEA STATE 4
BAROMETER 18 WIND DIR 120 T SPD 06 KT VISIBILITY 9
CLOUD 3 AMOUNT 3 DRY 23.2 WET 18.9 DEPTH 3326 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.397	35.975	207.1	24.263	0.000
10	24.395	35.973	207.1	24.262	0.037
20	24.394	35.974	206.6	24.263	0.073
30	24.392	35.974	207.2	24.264	0.110
40	24.362	35.974	208.2	24.273	0.146
50	24.060	35.958	211.5	24.350	0.183
60	22.862	35.878	221.7	24.641	0.217
70	22.248	35.866	225.6	24.808	0.250
80	21.559	35.766	226.2	24.925	0.281
90	21.109	35.711	226.5	25.007	0.311
100	20.922	35.693	226.5	25.044	0.341
110	20.653	35.688	226.2	25.113	0.370
120	20.518	35.698	223.7	25.157	0.398
130	20.288	35.679	222.1	25.204	0.427
140	19.874	35.580	223.1	25.239	0.455
150	19.731	35.569	222.4	25.268	0.482
160	19.604	35.549	221.1	25.286	0.510
170	19.397	35.512	221.1	25.311	0.537
180	19.279	35.491	219.3	25.326	0.564
190	19.112	35.457	219.5	25.343	0.591
200	18.682	35.382	218.2	25.395	0.618
250	16.586	35.058	209.5	25.657	0.745
300	13.402	34.631	200.0	26.026	0.856
350	11.178	34.491	190.0	26.347	0.952
400	9.547	34.412	175.1	26.569	1.034
450	7.832	34.360	179.2	26.796	1.106
500	7.042	34.341	184.5	26.894	1.170
550	6.390	34.324	199.9	26.969	1.229
600	6.032	34.308	208.6	27.002	1.286
650	5.660	34.292	207.0	27.036	1.342
700	5.455	34.294	198.0	27.062	1.397
750	5.135	34.288	188.3	27.096	1.450
800	4.930	34.304	184.5	27.132	1.502
900	4.518	34.358	163.6	27.221	1.599
1000	3.971	34.414	144.4	27.323	1.687
1500	2.581	34.564	144.9	27.574	2.037
2000	1.899	34.639	150.8	27.690	2.304
2500	1.696	34.663	154.3	27.726	2.545
3000	1.611	34.675	154.0	27.741	2.783
3376	1.574	34.680	150.9	27.748	2.964

CAST CG3-94-DI -089 DATE 29 MAR 94 TIME 1151 GMT

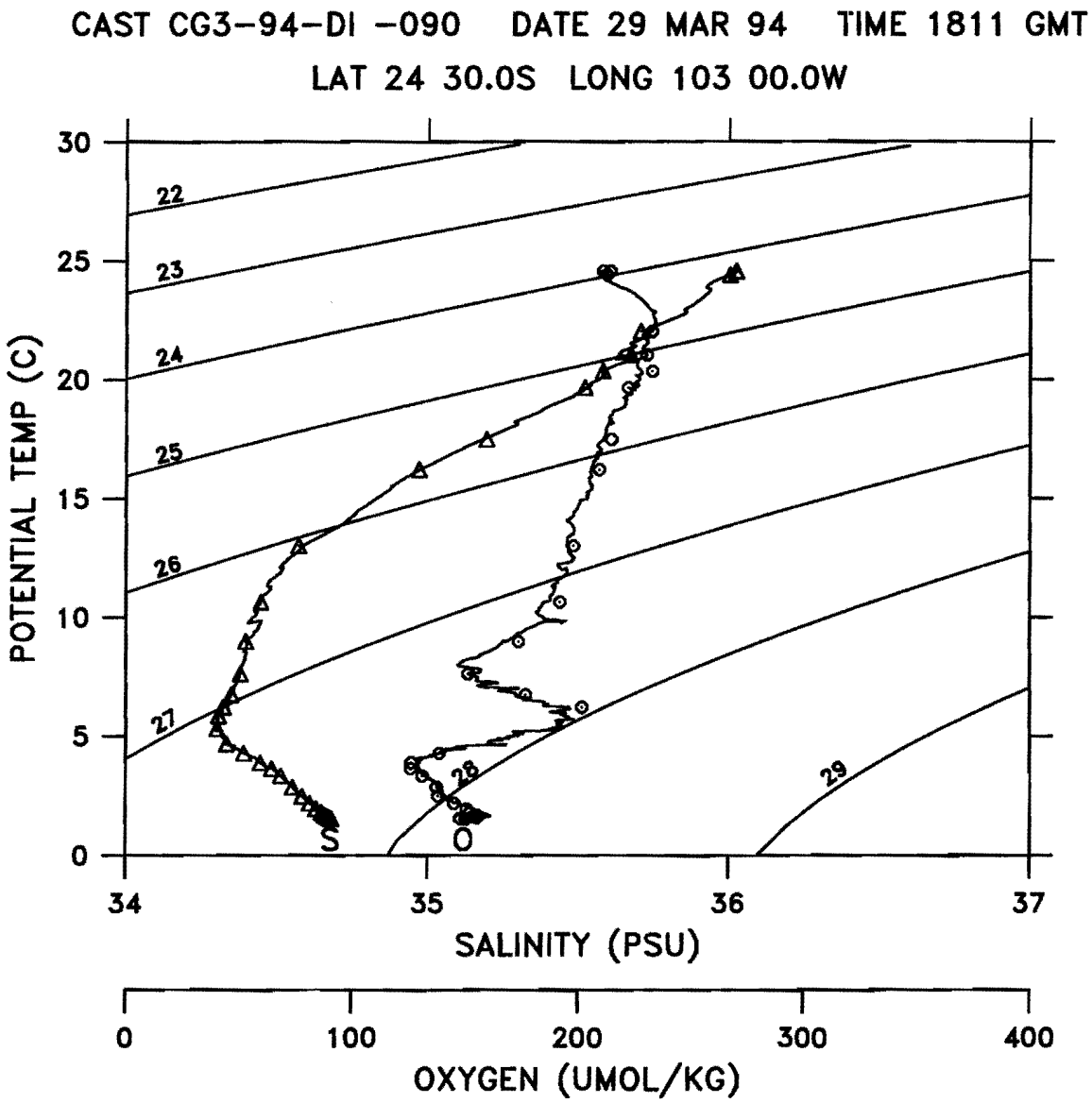
LAT 24 59.3S LONG 103 00.1W

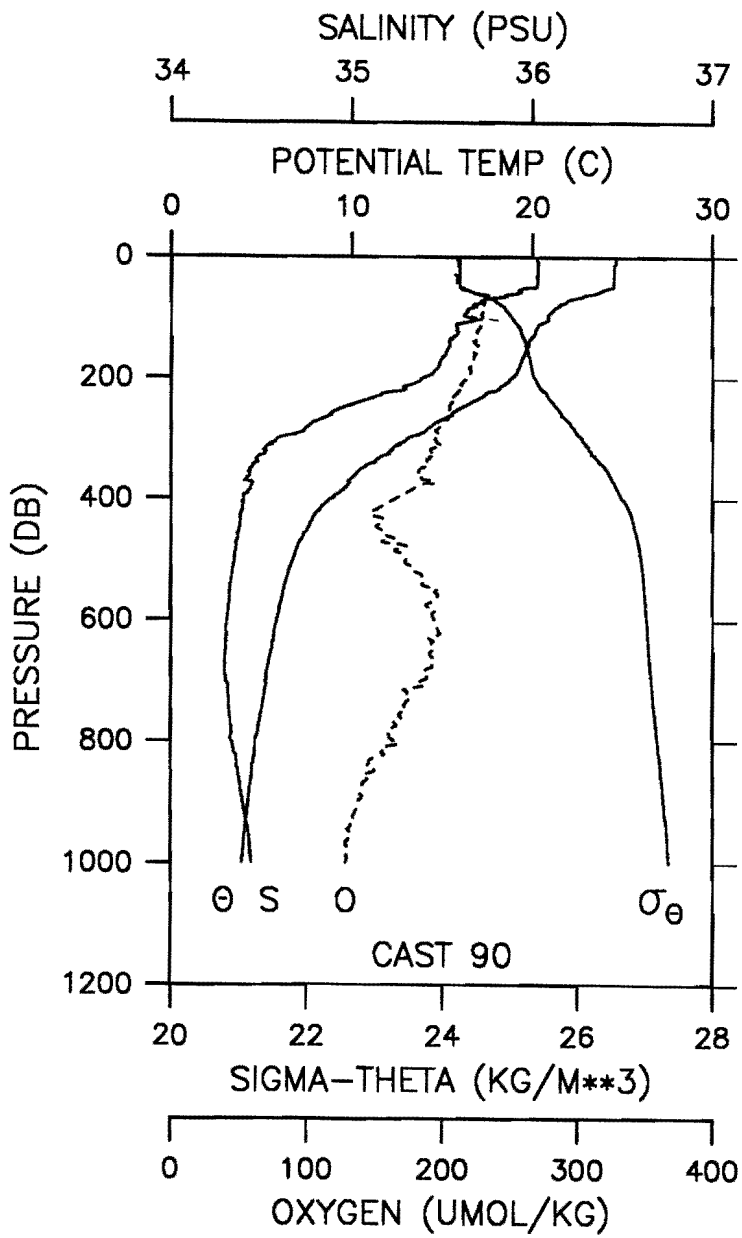




CAST CG3–94–DI –089 DATE 29 MAR 94 TIME 1151 GMT
LAT 24 59.3S LONG 103 00.1W WEATHER 1 SEA STATE 2
BAROMETER 16 WIND DIR 180 T SPD 04 KT VISIBILITY 7
CLOUD 8 AMOUNT 5 DRY 22.8 WET 18.3 DEPTH 3844 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG–TH	DELTA–D (DYN–M)
0	24.512	36.015	218.0	24.258	0.000
10	24.516	36.013	218.0	24.256	0.037
20	24.515	36.014	215.8	24.257	0.073
30	24.515	36.014	214.8	24.257	0.110
40	24.498	36.012	214.4	24.260	0.147
50	24.279	35.989	217.1	24.309	0.183
60	23.026	35.823	223.5	24.552	0.219
70	21.885	35.685	238.1	24.772	0.252
80	21.430	35.655	233.7	24.876	0.283
90	20.890	35.652	230.7	25.022	0.314
100	20.830	35.714	227.9	25.085	0.343
110	20.499	35.684	227.8	25.152	0.372
120	20.250	35.648	227.0	25.191	0.400
130	20.057	35.631	225.3	25.229	0.428
140	19.813	35.583	224.8	25.257	0.456
150	19.569	35.533	223.7	25.283	0.483
160	19.195	35.436	230.1	25.305	0.510
170	19.046	35.408	228.4	25.323	0.538
180	18.851	35.363	228.2	25.338	0.565
190	18.585	35.315	225.4	25.368	0.591
200	18.381	35.286	225.5	25.397	0.618
250	15.807	34.917	209.2	25.728	0.743
300	13.506	34.724	197.8	26.077	0.851
350	11.173	34.499	196.8	26.354	0.945
400	9.157	34.381	177.6	26.608	1.027
450	7.532	34.354	173.9	26.836	1.096
500	6.750	34.345	184.2	26.937	1.158
550	6.203	34.322	200.6	26.991	1.216
600	5.802	34.302	203.3	27.026	1.271
650	5.538	34.302	199.2	27.058	1.326
700	5.198	34.293	192.3	27.092	1.379
750	4.953	34.309	183.2	27.133	1.431
800	4.771	34.336	161.1	27.175	1.480
900	4.325	34.388	144.8	27.265	1.574
1000	3.984	34.439	133.8	27.342	1.659
1500	2.651	34.569	146.4	27.572	2.008
2000	1.943	34.636	158.3	27.684	2.280
2500	1.695	34.664	165.7	27.726	2.521
3000	1.591	34.677	164.9	27.744	2.758
3500	1.553	34.682	162.7	27.751	2.998
3862	1.544	34.684	157.8	27.753	3.178


CAST CG3-94-DI -090 DATE 29 MAR 94 TIME 1811 GMT
LAT 24 30.0S LONG 103 00.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
22
23
24
25
26
27
28
29
S
O
34
35
36
37
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

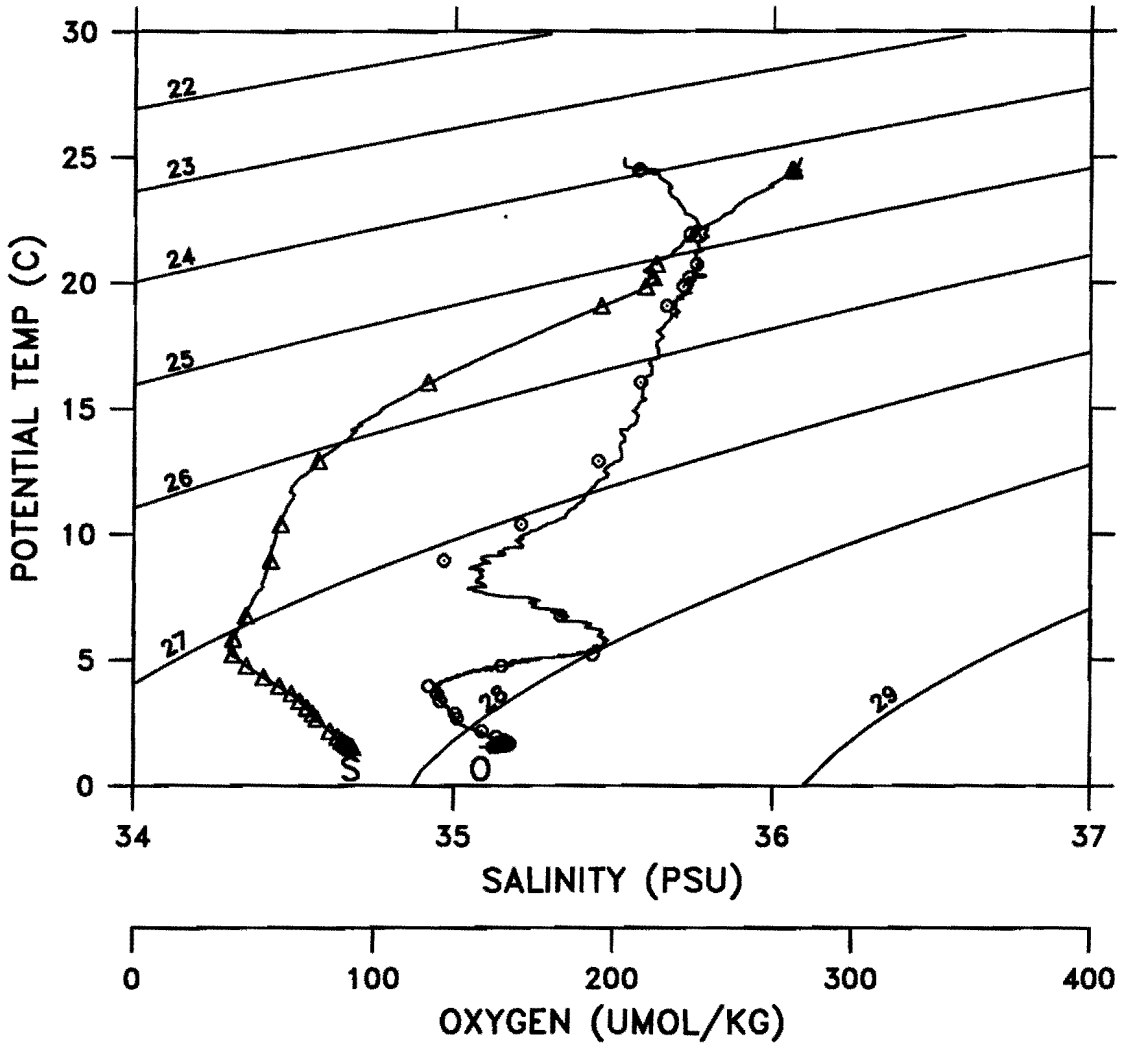


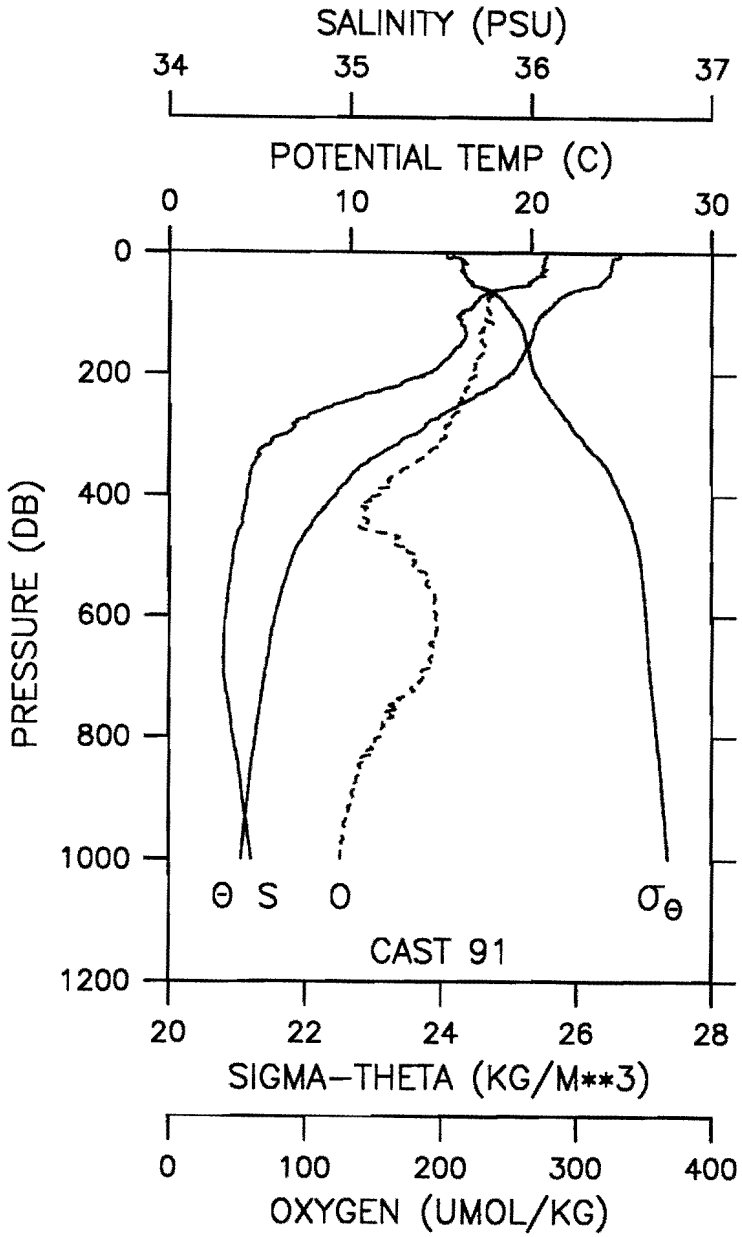
CAST CG3-94-DI -090 DATE 29 MAR 94 TIME 1811 GMT
LAT 24 30.0S LONG 103 00.0W WEATHER 1 SEA STATE 3
BAROMETER 18 WIND DIR 000 T SPD 00 KT VISIBILITY 9
CLOUD 0 AMOUNT 2 DRY 30.2 WET 22.3 DEPTH 3584 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.643	36.028	212.9	24.229	0.000
10	24.633	36.033	212.9	24.235	0.037
20	24.549	36.029	211.4	24.258	0.073
30	24.539	36.028	210.4	24.260	0.110
40	24.536	36.028	210.8	24.261	0.147
50	24.269	35.974	212.5	24.300	0.183
60	23.391	35.907	227.6	24.509	0.219
70	22.006	35.726	230.0	24.769	0.252
80	21.463	35.675	229.8	24.882	0.283
90	21.084	35.642	229.7	24.961	0.314
100	20.927	35.688	229.2	25.039	0.344
110	20.383	35.581	227.7	25.105	0.373
120	20.170	35.579	226.2	25.159	0.402
130	20.045	35.574	226.9	25.189	0.430
140	19.812	35.541	223.7	25.225	0.458
150	19.689	35.534	225.6	25.252	0.486
160	19.562	35.517	224.3	25.273	0.514
170	19.389	35.491	223.3	25.297	0.541
180	19.278	35.479	220.5	25.317	0.568
190	19.132	35.451	221.2	25.333	0.595
200	18.806	35.389	219.6	25.369	0.622
250	16.013	34.945	205.6	25.703	0.749
300	13.074	34.596	194.9	26.066	0.858
350	10.552	34.444	183.9	26.423	0.951
400	8.848	34.402	165.0	26.674	1.029
450	7.537	34.376	154.0	26.852	1.096
500	6.741	34.351	172.9	26.943	1.157
550	6.220	34.325	195.5	26.991	1.215
600	5.856	34.310	193.9	27.025	1.271
650	5.552	34.303	192.3	27.058	1.325
700	5.239	34.304	184.4	27.095	1.378
750	5.002	34.323	171.2	27.138	1.430
800	4.659	34.335	166.5	27.187	1.479
900	4.276	34.397	137.7	27.277	1.571
1000	3.914	34.445	129.0	27.354	1.655
1500	2.680	34.570	139.0	27.571	2.001
2000	1.973	34.634	153.4	27.680	2.277
2500	1.699	34.664	160.2	27.725	2.520
3000	1.592	34.677	158.1	27.744	2.757
3500	1.540	34.684	152.5	27.753	2.997
3622	1.534	34.684	149.1	27.754	3.056

CAST CG3-94-DI -091 DATE 29 MAR 94 TIME 2326 GMT

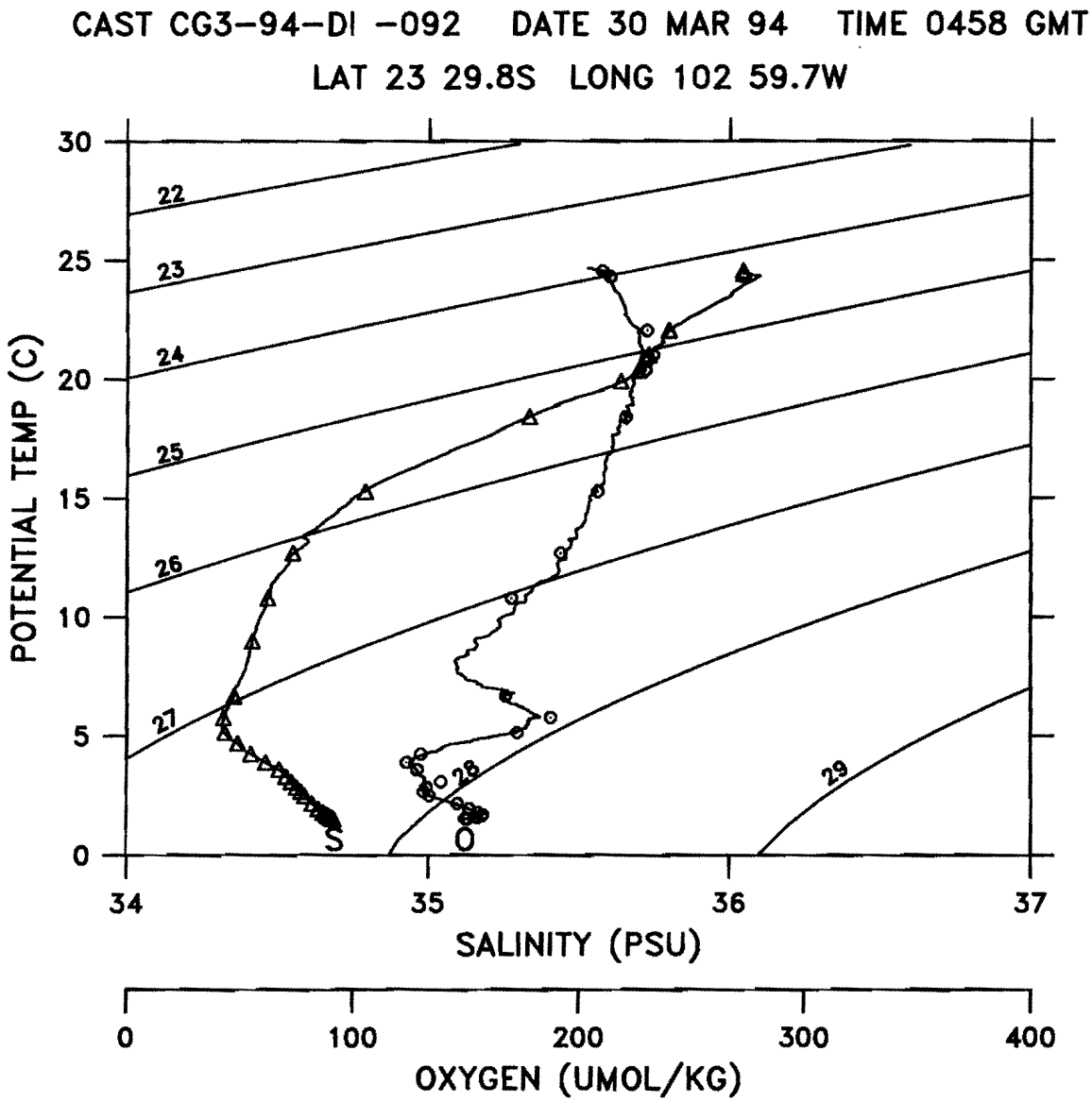
LAT 23 59.9S LONG 103 0.1W





CAST CG3-94-DI -091 DATE 29 MAR 94 TIME 2326 GMT
LAT 23 59.9S LONG 103 0.1W WEATHER 1 SEA STATE 1
BAROMETER 16 WIND DIR 0 T SPD 0 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 25.7 WET 21.0 DEPTH 3856 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.925	36.086	204.2	24.187	0.000
10	24.519	36.072	215.5	24.300	0.037
20	24.443	36.064	216.3	24.316	0.073
30	24.399	36.066	215.0	24.331	0.109
40	24.178	36.029	218.7	24.369	0.145
50	23.845	35.997	222.6	24.444	0.180
60	22.731	35.846	230.5	24.654	0.215
70	21.835	35.734	238.9	24.823	0.247
80	21.379	35.698	235.8	24.922	0.278
90	21.034	35.668	234.0	24.995	0.308
100	20.662	35.613	236.4	25.054	0.338
110	20.404	35.612	233.1	25.122	0.367
120	20.225	35.625	235.4	25.180	0.395
130	20.123	35.638	229.8	25.217	0.423
140	20.059	35.634	230.4	25.231	0.451
150	19.901	35.611	230.9	25.255	0.479
160	19.668	35.574	230.7	25.288	0.506
170	19.541	35.552	228.2	25.305	0.534
180	19.323	35.511	225.8	25.330	0.561
190	19.162	35.481	225.3	25.348	0.588
200	18.809	35.415	226.1	25.388	0.614
250	15.991	34.917	212.8	25.687	0.741
300	13.471	34.633	202.5	26.014	0.852
350	10.675	34.464	180.0	26.417	0.946
400	9.165	34.429	153.1	26.645	1.025
450	7.825	34.400	139.2	26.828	1.093
500	6.811	34.352	179.3	26.934	1.155
550	6.279	34.330	189.6	26.987	1.213
600	5.842	34.312	196.4	27.029	1.269
650	5.523	34.303	194.2	27.061	1.324
700	5.254	34.303	187.5	27.093	1.377
750	4.996	34.330	164.4	27.145	1.428
800	4.765	34.353	154.6	27.189	1.477
900	4.329	34.405	134.7	27.278	1.568
1000	3.973	34.453	126.0	27.354	1.653
1500	2.666	34.573	134.2	27.575	1.999
2000	1.944	34.637	147.8	27.685	2.272
2500	1.689	34.665	154.2	27.727	2.513
3000	1.583	34.678	152.7	27.745	2.748
3500	1.536	34.684	147.2	27.754	2.988
3860	1.529	34.685	144.7	27.755	3.165


CAST CG3-94-DI -092 DATE 30 MAR 94 TIME 0458 GMT
LAT 23 29.8S LONG 102 59.7W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
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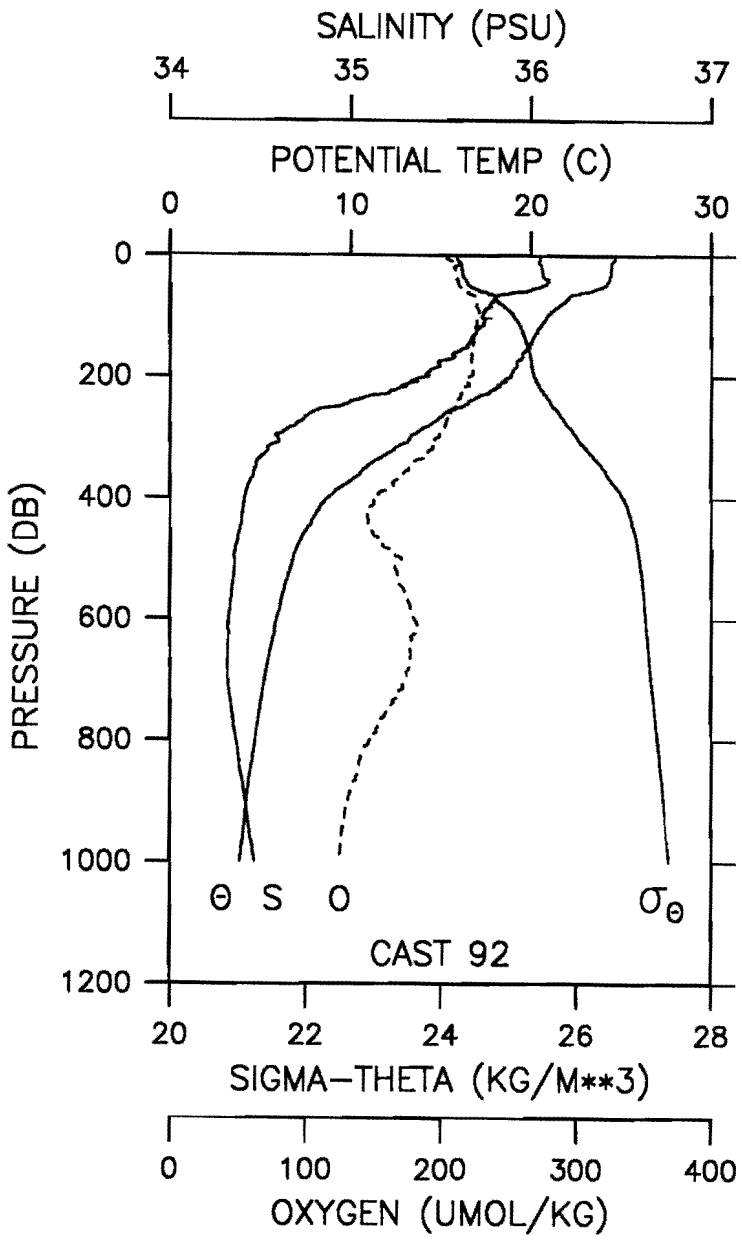
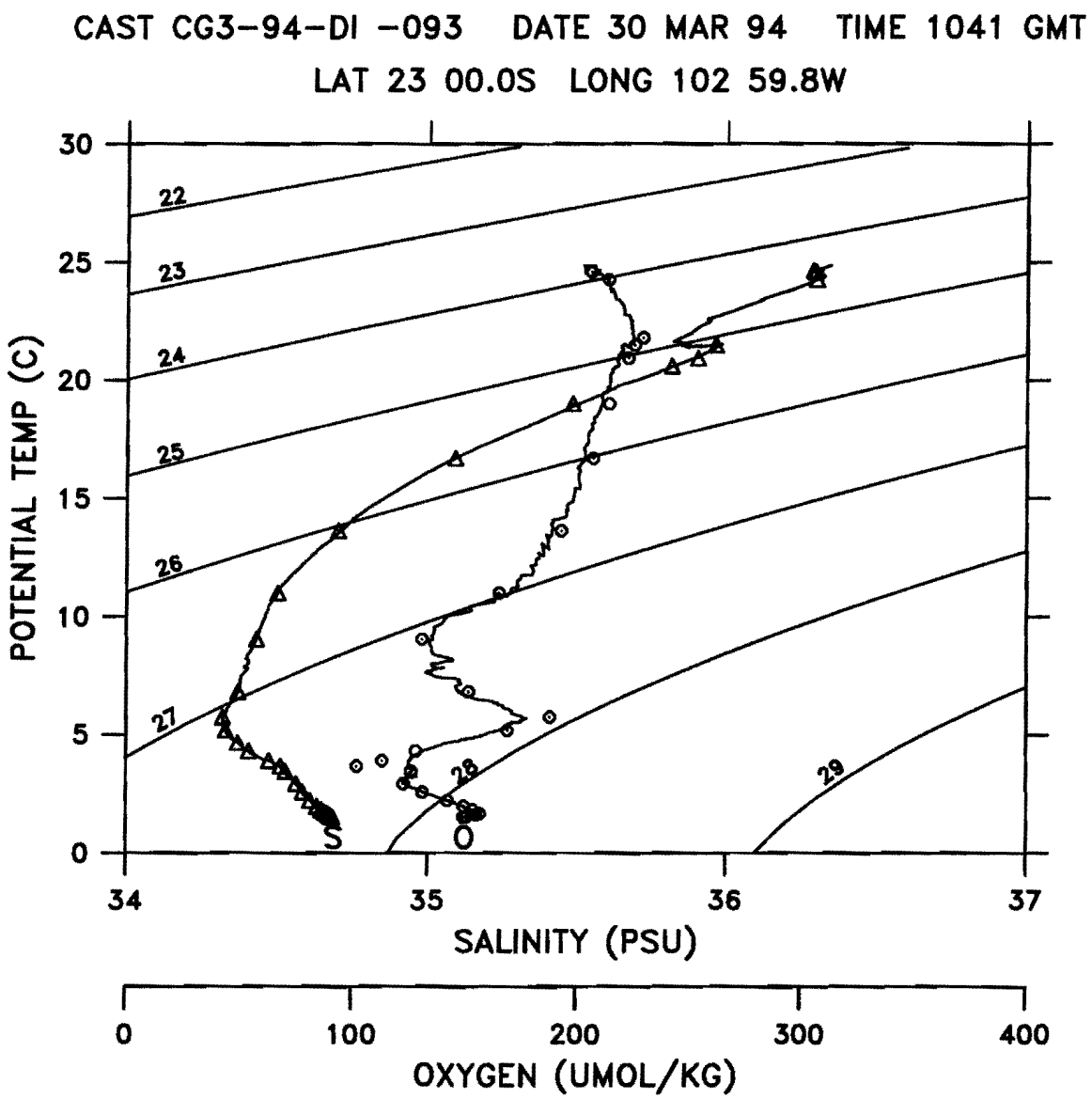


CAST CG3-94-DI -092 DATE 30 MAR 94 TIME 0458 GMT
LAT 23 29.8S LONG 102 59.7W WEATHER 1 SEA STATE 0
BAROMETER 18 WIND DIR 360 T SPD 03 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 24.0 WET 21.0 DEPTH 3893 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.658	36.052	203.7	24.243	0.000
10	24.557	36.046	209.8	24.268	0.037
20	24.459	36.058	209.8	24.307	0.073
30	24.439	36.065	210.6	24.318	0.109
40	24.348	36.100	212.0	24.372	0.145
50	24.075	36.064	213.7	24.426	0.180
60	23.052	35.934	219.9	24.629	0.215
70	22.099	35.805	226.5	24.803	0.247
80	21.704	35.775	226.5	24.891	0.278
90	21.283	35.751	227.7	24.990	0.309
100	20.919	35.732	226.9	25.075	0.338
110	20.674	35.740	227.0	25.147	0.367
120	20.413	35.706	225.9	25.192	0.395
130	20.242	35.688	225.7	25.224	0.423
140	20.069	35.667	224.2	25.254	0.451
150	19.926	35.647	223.8	25.276	0.479
160	19.594	35.582	223.1	25.313	0.506
170	19.474	35.561	223.0	25.329	0.533
180	19.229	35.493	223.6	25.341	0.560
190	18.996	35.437	223.6	25.357	0.587
200	18.885	35.428	220.8	25.379	0.613
250	16.093	34.914	211.0	25.661	0.740
300	13.291	34.594	197.3	26.020	0.852
350	10.819	34.471	176.3	26.397	0.946
400	8.708	34.411	154.2	26.703	1.024
450	7.612	34.387	146.6	26.849	1.091
500	6.814	34.357	170.9	26.938	1.152
550	6.319	34.343	172.5	26.993	1.210
600	5.890	34.323	180.2	27.032	1.266
650	5.551	34.318	177.3	27.070	1.320
700	5.229	34.320	173.3	27.110	1.373
750	4.954	34.339	160.5	27.157	1.423
800	4.711	34.365	147.4	27.205	1.471
900	4.227	34.413	131.6	27.296	1.561
1000	3.848	34.466	125.2	27.377	1.643
1500	2.631	34.580	132.4	27.583	1.982
2000	1.950	34.637	151.1	27.685	2.254
2500	1.691	34.665	156.9	27.727	2.495
3000	1.579	34.678	155.4	27.746	2.731
3500	1.531	34.684	151.7	27.754	2.969
3958	1.523	34.685	149.6	27.756	3.196


CAST CG3-94-DI -093 DATE 30 MAR 94 TIME 1041 GMT
LAT 23 00.0S LONG 102 59.8W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
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100
200
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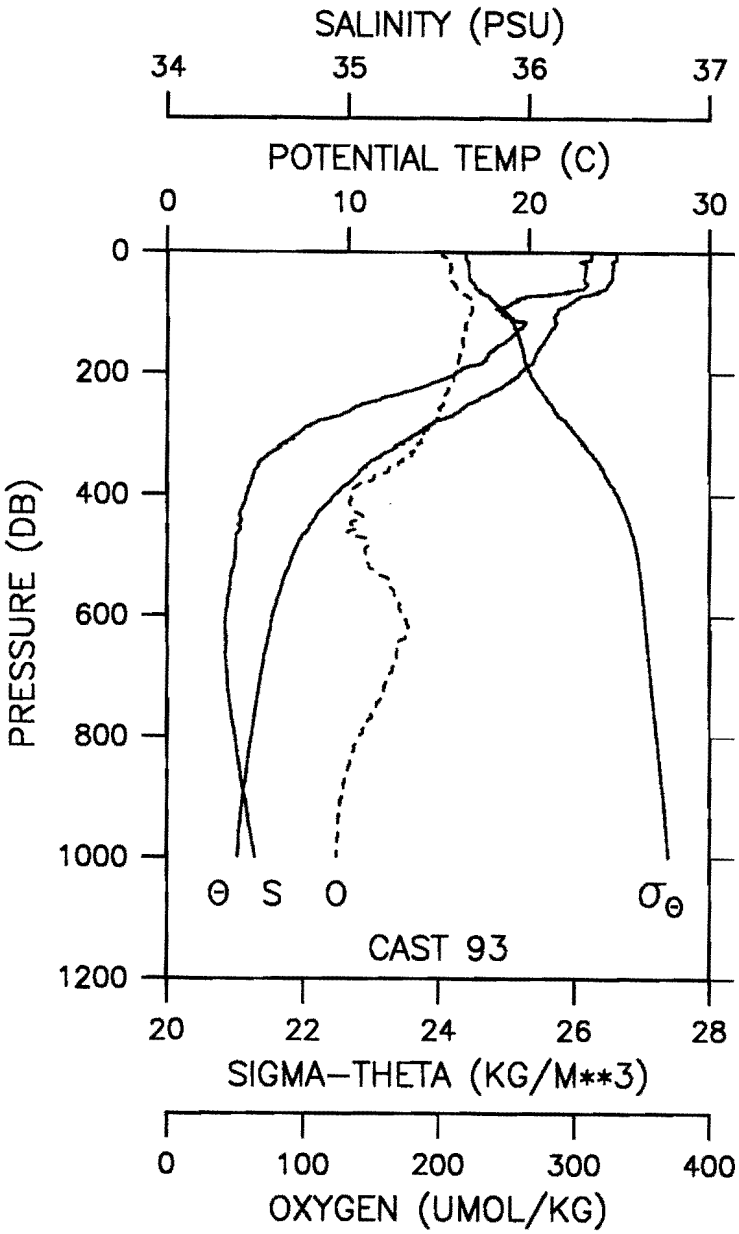
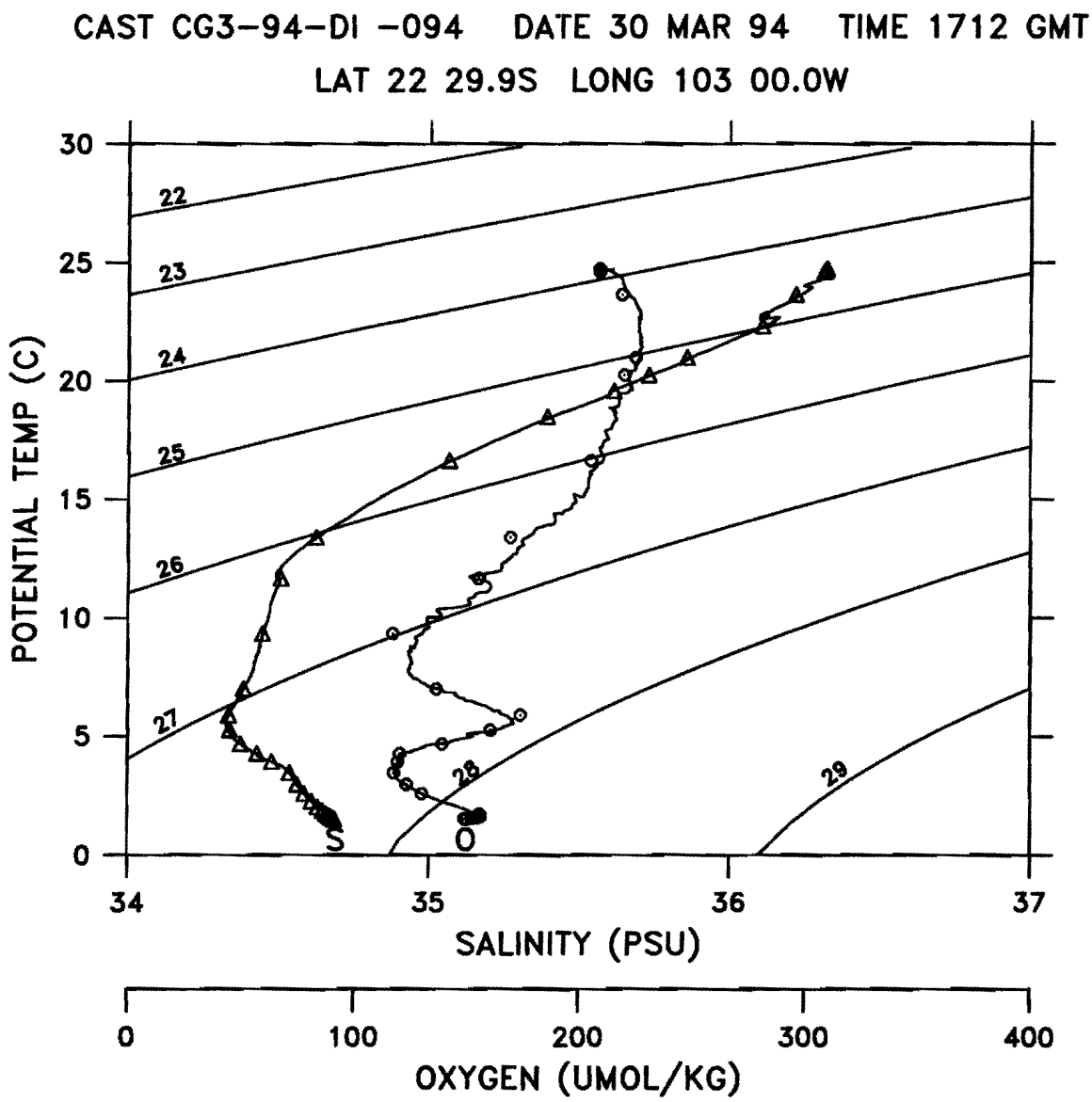
400



CAST CG3-94-DI -093 DATE 30 MAR 94 TIME 1041 GMT
LAT 23 00.0S LONG 102 59.8W WEATHER 1 SEA STATE 0
BAROMETER 16 WIND DIR 256 T SPD 06 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 23.6 WET 21.0 DEPTH 3900 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.855	36.347	202.7	24.406	0.000
10	24.862	36.347	206.1	24.404	0.035
20	24.665	36.317	208.6	24.440	0.070
30	24.640	36.316	208.7	24.447	0.105
40	24.606	36.308	208.6	24.452	0.140
50	24.482	36.313	210.7	24.493	0.175
60	24.286	36.304	213.2	24.545	0.209
70	23.417	36.121	218.1	24.664	0.242
80	22.498	35.942	224.3	24.794	0.275
90	22.005	35.881	224.2	24.888	0.306
100	21.575	35.863	224.3	24.994	0.336
110	21.470	35.912	221.9	25.060	0.366
120	21.460	35.972	219.5	25.109	0.395
130	21.190	35.931	219.1	25.153	0.424
140	21.013	35.904	218.1	25.180	0.452
150	20.818	35.864	217.8	25.203	0.481
160	20.568	35.813	216.4	25.231	0.509
170	20.365	35.776	215.6	25.258	0.537
180	20.249	35.752	214.8	25.271	0.564
190	19.820	35.649	214.5	25.306	0.592
200	19.492	35.593	212.6	25.349	0.619
250	16.734	35.096	203.3	25.652	0.747
300	13.774	34.724	189.0	26.022	0.860
350	11.043	34.499	170.2	26.378	0.954
400	9.238	34.436	135.8	26.638	1.035
450	7.856	34.389	136.1	26.815	1.104
500	6.923	34.372	146.2	26.935	1.166
550	6.307	34.342	164.4	26.994	1.224
600	5.812	34.323	174.8	27.042	1.280
650	5.469	34.321	170.2	27.082	1.333
700	5.141	34.329	163.2	27.127	1.385
750	4.884	34.345	154.2	27.170	1.435
800	4.631	34.374	141.0	27.220	1.482
900	4.145	34.426	128.4	27.315	1.571
1000	3.856	34.482	124.7	27.389	1.652
1500	2.735	34.575	127.6	27.570	1.992
2000	2.003	34.632	148.3	27.677	2.270
2500	1.691	34.665	155.3	27.727	2.513
3000	1.574	34.678	154.5	27.748	2.748
3500	1.525	34.684	152.3	27.755	2.986
4000	1.517	34.686	150.9	27.757	3.234
4054	1.518	34.686	149.7	27.757	3.261


CAST CG3-94-DI -094 DATE 30 MAR 94 TIME 1712 GMT
LAT 22 29.9S LONG 103 00.0W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
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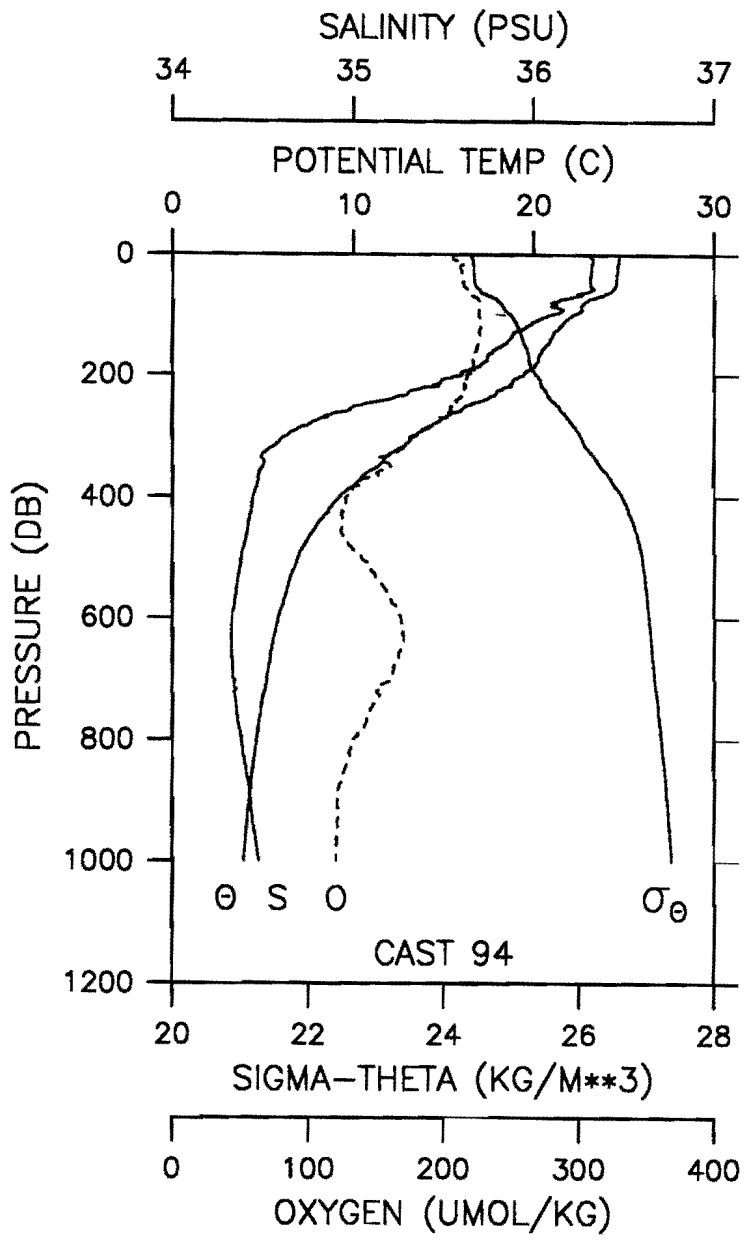
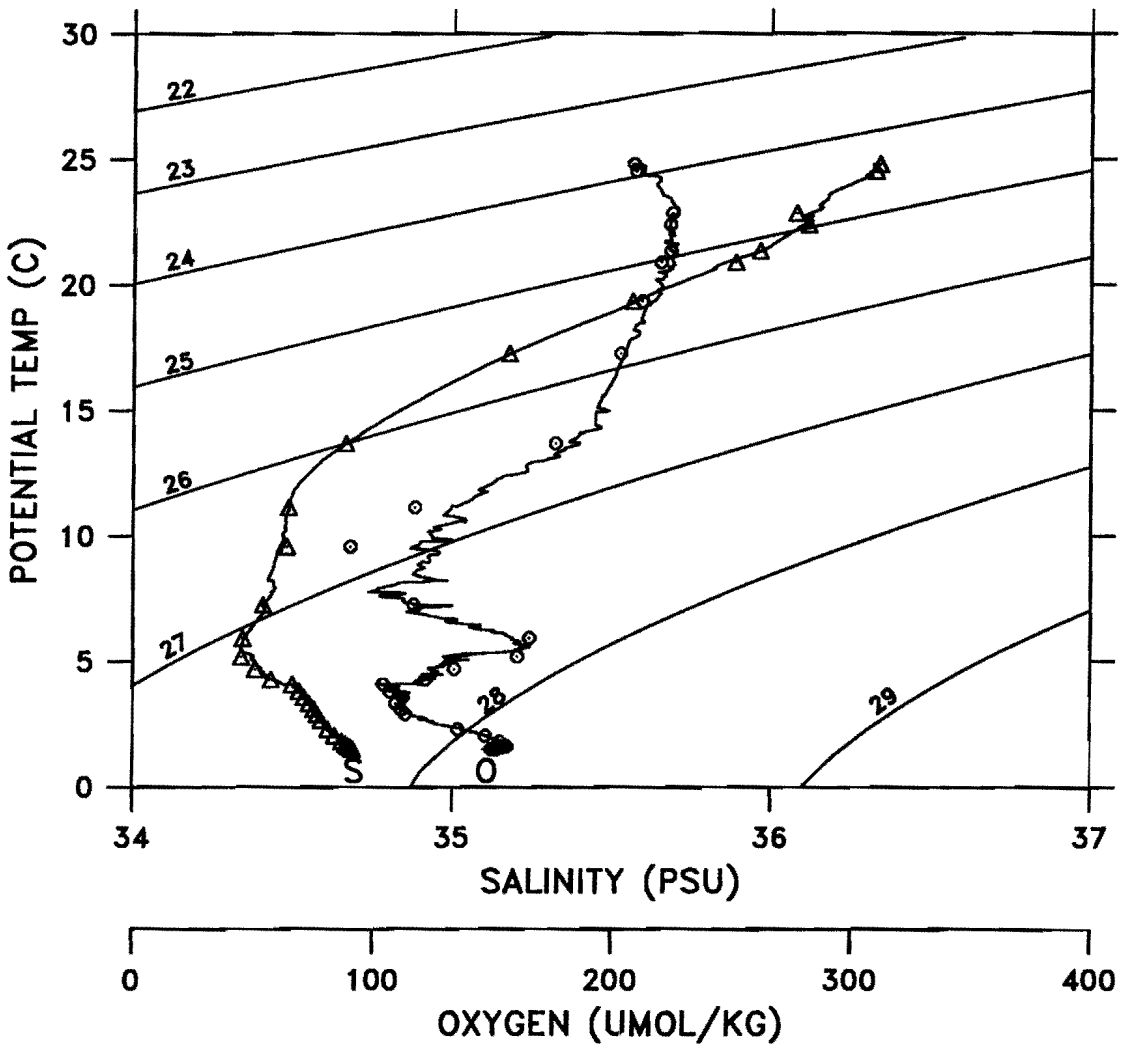


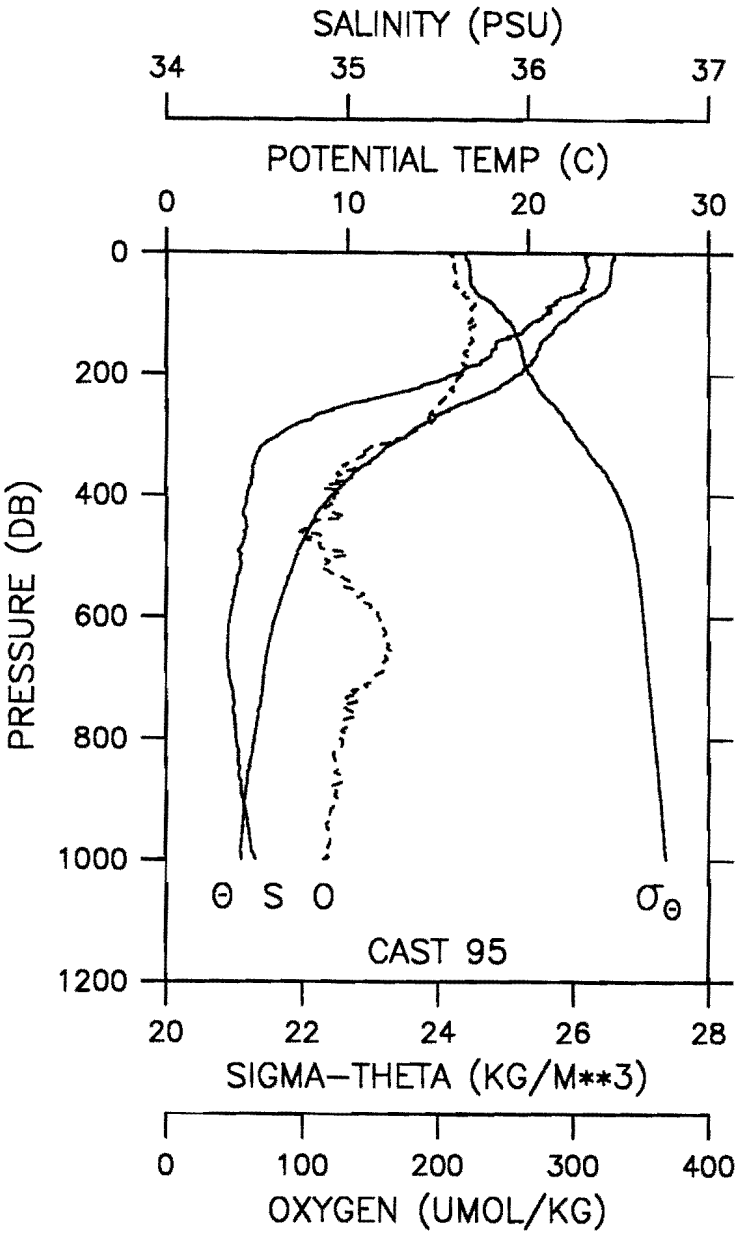
CAST CG3-94-DI -094 DATE 30 MAR 94 TIME 1712 GMT
LAT 22 29.9S LONG 103 00.0W WEATHER 1 SEA STATE 2
BAROMETER 18 WIND DIR 280 T SPD 05 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 24.5 WET 22.0 DEPTH 4009 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.758	36.320	207.0	24.414	0.000
10	24.717	36.329	209.9	24.434	0.035
20	24.665	36.322	212.5	24.445	0.070
30	24.645	36.320	213.6	24.449	0.105
40	24.613	36.317	214.3	24.456	0.140
50	24.571	36.317	214.7	24.469	0.174
60	24.341	36.318	218.4	24.539	0.209
70	23.569	36.225	222.3	24.698	0.243
80	22.773	36.100	227.1	24.835	0.274
90	22.671	36.147	226.3	24.900	0.306
100	22.228	36.098	226.3	24.990	0.336
110	21.797	36.019	226.8	25.051	0.366
120	21.480	35.961	227.4	25.095	0.395
130	21.117	35.889	226.2	25.140	0.424
140	20.962	35.868	226.7	25.166	0.453
150	20.730	35.832	225.5	25.202	0.481
160	20.443	35.775	224.3	25.236	0.509
170	20.262	35.743	222.1	25.260	0.537
180	20.165	35.720	222.2	25.269	0.564
190	19.784	35.646	222.8	25.313	0.592
200	19.446	35.602	217.2	25.368	0.619
250	16.357	35.029	207.3	25.688	0.746
300	13.396	34.629	177.1	26.026	0.857
350	11.345	34.497	160.6	26.322	0.953
400	9.226	34.444	127.7	26.647	1.034
450	7.904	34.417	124.7	26.831	1.102
500	6.942	34.381	139.2	26.939	1.164
550	6.343	34.353	156.4	26.998	1.222
600	5.830	34.331	168.6	27.046	1.277
650	5.482	34.329	168.6	27.087	1.331
700	5.193	34.335	161.4	27.126	1.383
750	4.874	34.354	145.6	27.177	1.432
800	4.624	34.380	132.9	27.226	1.479
900	4.230	34.430	121.5	27.308	1.568
1000	3.935	34.477	120.6	27.377	1.649
1500	2.801	34.571	126.1	27.561	1.995
2000	2.030	34.630	146.6	27.673	2.276
2500	1.703	34.664	154.1	27.725	2.522
3000	1.578	34.678	154.5	27.746	2.757
3500	1.525	34.685	151.8	27.755	2.996
4000	1.516	34.686	150.7	27.757	3.243
4067	1.516	34.686	149.8	27.757	3.277

CAST CG3-94-DI -095 DATE 30 MAR 94 TIME 2321 GMT

LAT 21 59.6S LONG 102 59.4W



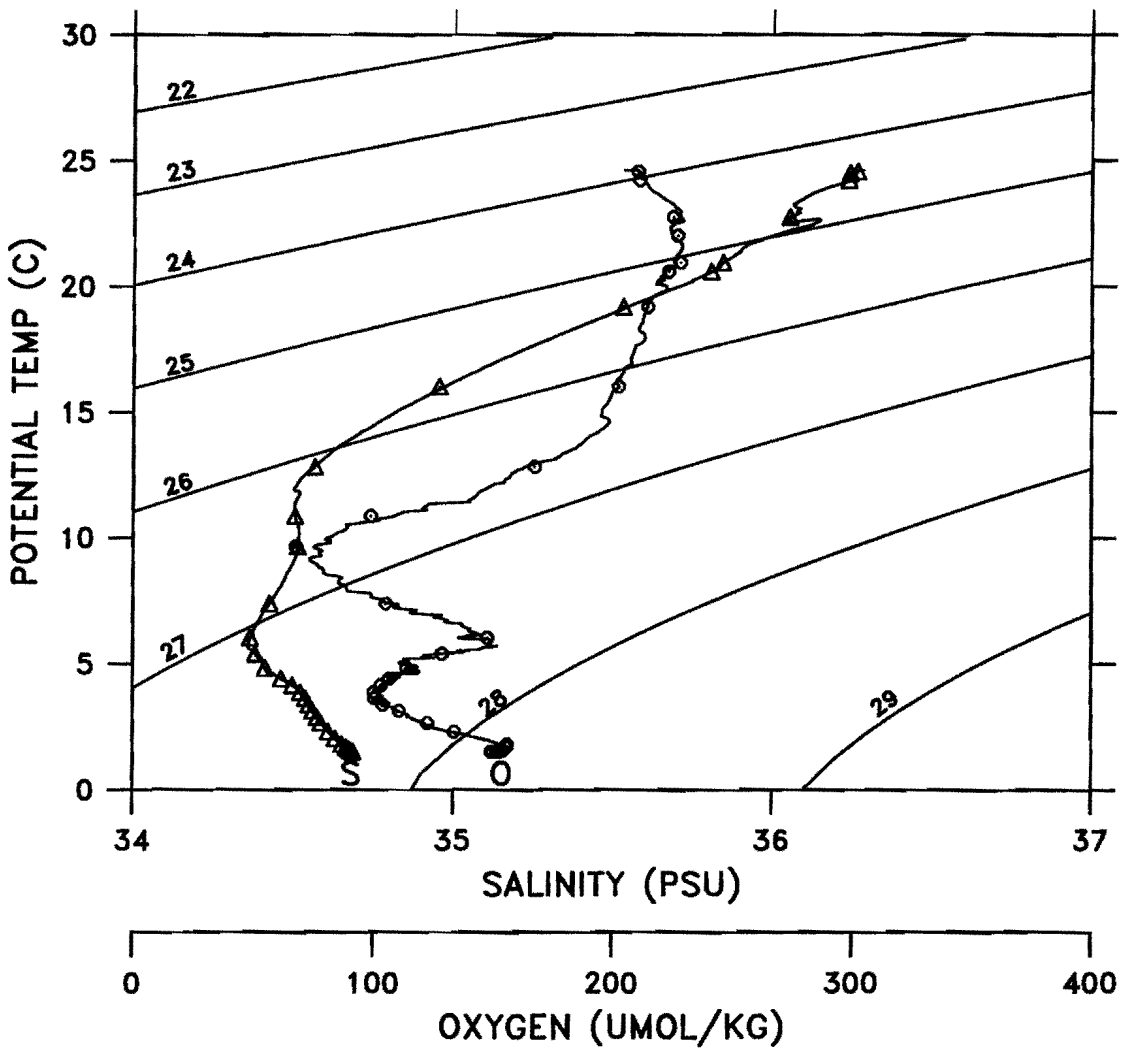


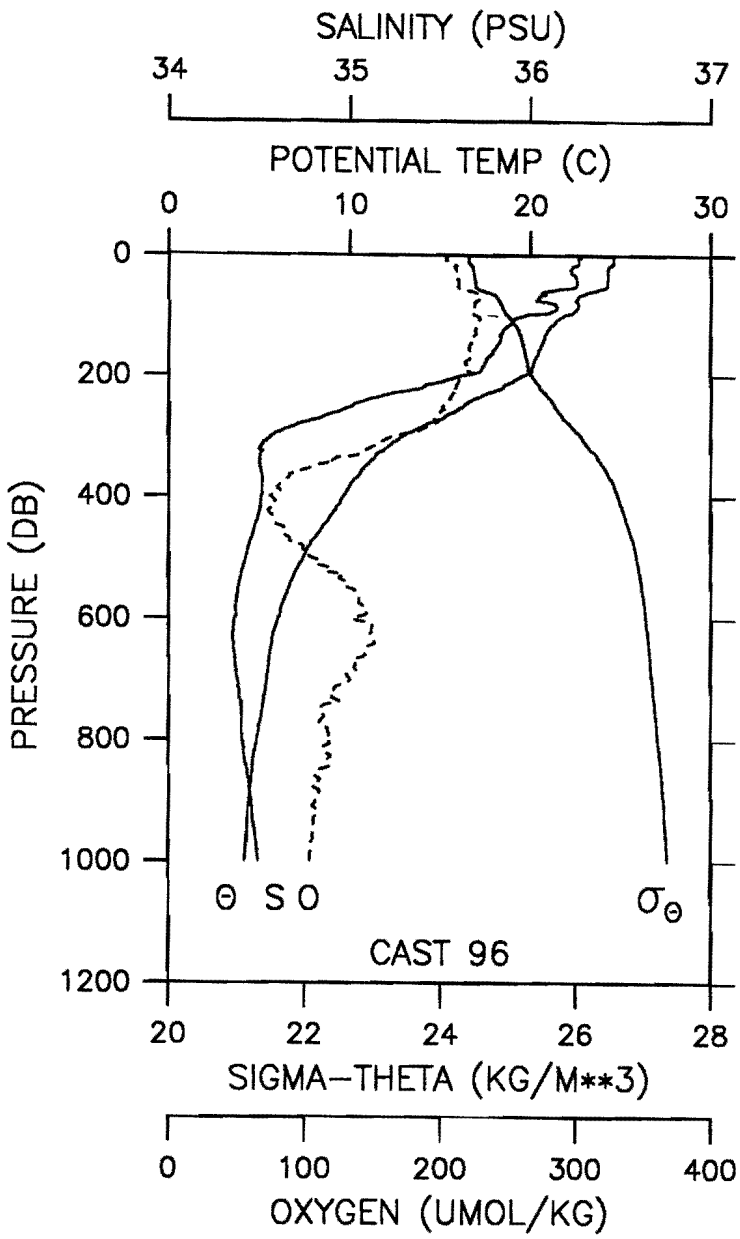
CAST CG3-94-DI -095 DATE 30 MAR 94 TIME 2321 GMT
LAT 21 59.6S LONG 102 59.4W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 280 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 25.1 WET 21.3 DEPTH 3953 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.797	36.332	211.5	24.412	0.000
10	24.714	36.321	213.0	24.429	0.035
20	24.625	36.327	211.9	24.461	0.070
30	24.596	36.332	212.4	24.473	0.105
40	24.563	36.325	212.9	24.478	0.139
50	24.508	36.311	213.4	24.483	0.174
60	24.331	36.311	217.3	24.537	0.208
70	23.906	36.230	218.9	24.603	0.242
80	23.134	36.147	225.7	24.767	0.275
90	22.738	36.103	225.1	24.847	0.307
100	22.376	36.102	224.1	24.950	0.338
110	22.038	36.055	225.5	25.011	0.368
120	21.596	36.003	227.1	25.095	0.397
130	21.366	35.970	224.1	25.133	0.426
140	21.031	35.896	224.5	25.169	0.455
150	20.686	35.821	223.4	25.206	0.483
160	20.533	35.805	222.8	25.234	0.511
170	20.458	35.791	221.6	25.244	0.539
180	20.207	35.738	218.6	25.271	0.567
190	19.789	35.651	219.3	25.316	0.594
200	19.417	35.587	218.4	25.364	0.621
250	16.183	35.005	200.2	25.710	0.748
300	13.324	34.622	177.4	26.035	0.858
350	10.885	34.476	130.3	26.389	0.952
400	9.140	34.444	123.3	26.661	1.030
450	7.948	34.438	104.4	26.840	1.099
500	7.175	34.406	128.0	26.927	1.161
550	6.584	34.383	130.8	26.990	1.219
600	6.019	34.351	156.1	27.038	1.275
650	5.604	34.336	162.9	27.077	1.329
700	5.357	34.349	153.2	27.117	1.381
750	5.111	34.369	132.9	27.162	1.431
800	4.862	34.385	128.3	27.204	1.480
900	4.313	34.423	126.1	27.295	1.570
1000	4.116	34.492	113.1	27.370	1.653
1500	2.901	34.574	116.1	27.554	2.005
2000	2.067	34.626	147.3	27.667	2.292
2500	1.698	34.664	156.9	27.726	2.538
3000	1.577	34.678	154.8	27.746	2.774
3500	1.524	34.684	150.6	27.755	3.012
3990	1.512	34.685	147.9	27.757	3.254

CAST CG3-94-DI -096 DATE 31 MAR 94 TIME 0507 GMT

LAT 21 30.0S LONG 102 59.9W



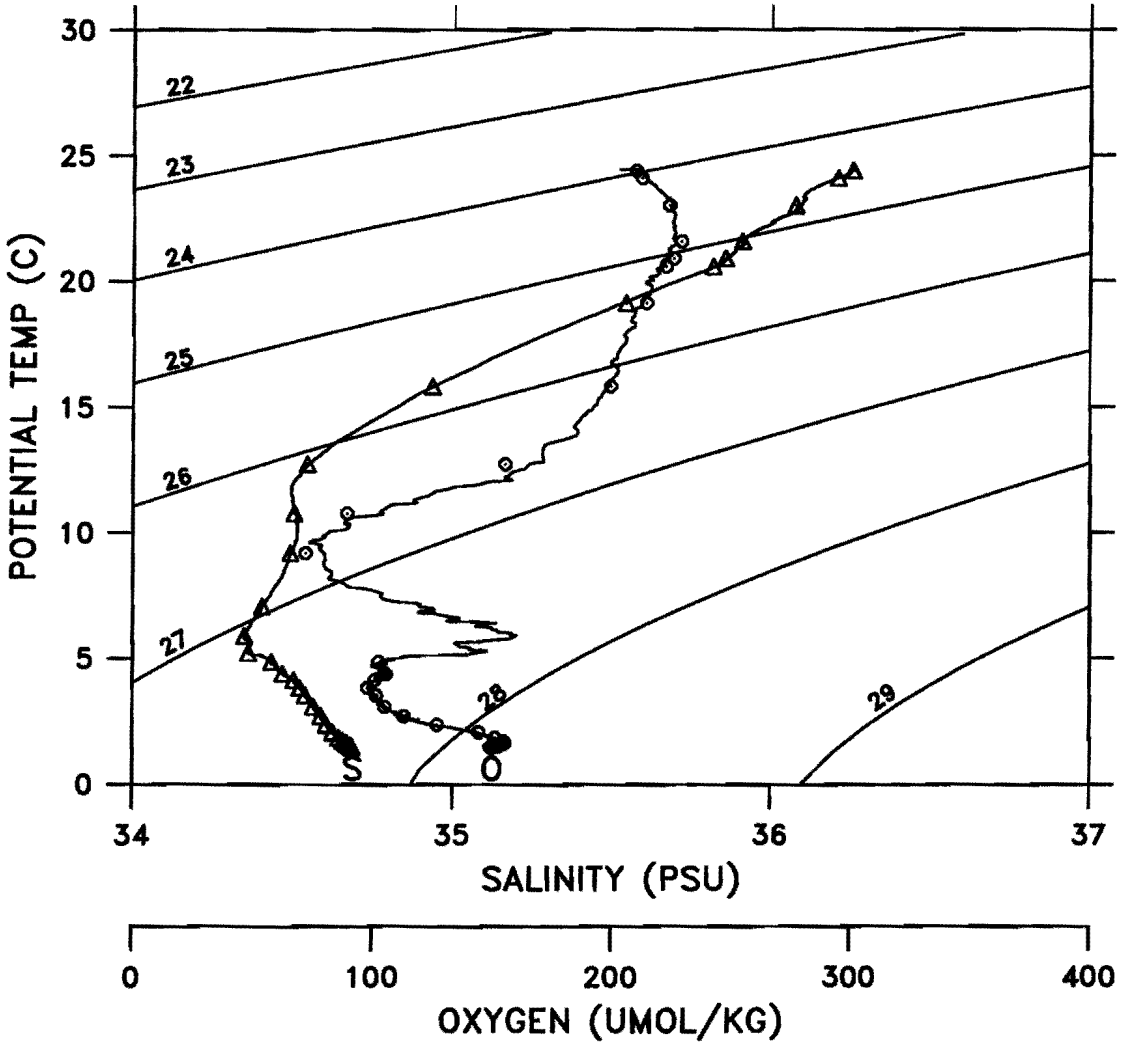


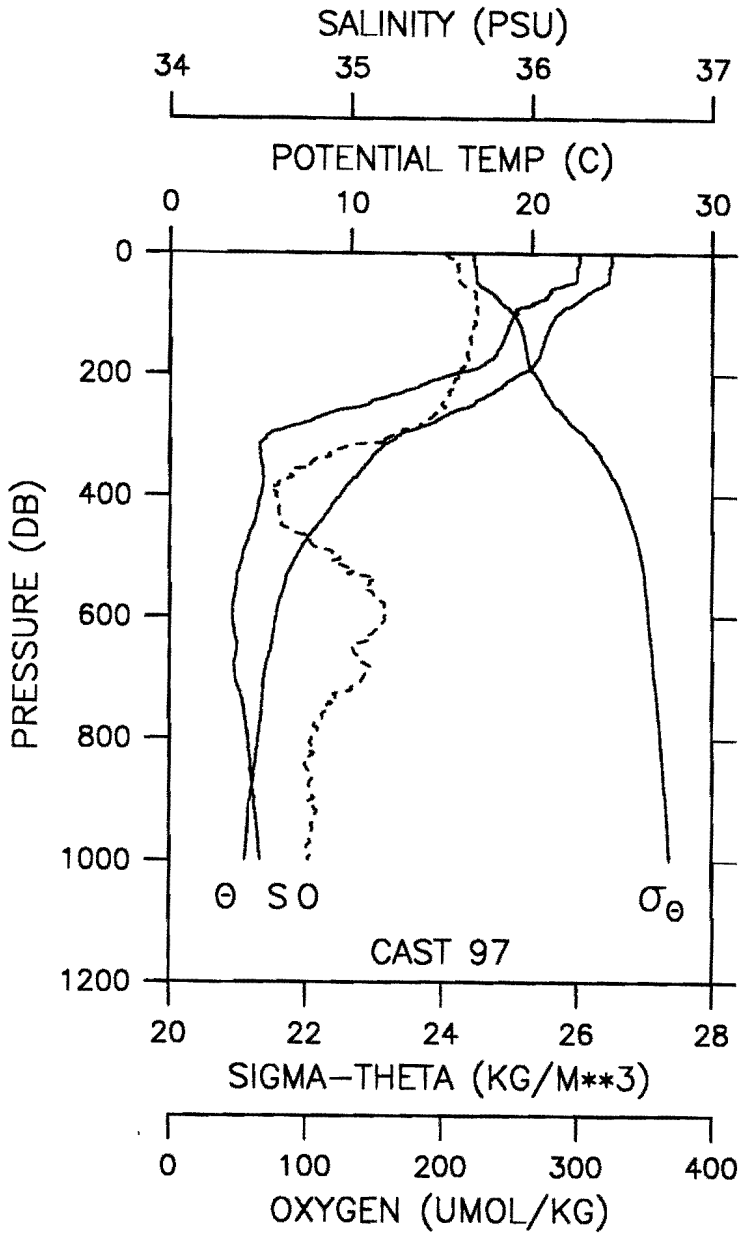
CAST CG3-94-DI -096 DATE 31 MAR 94 TIME 0507 GMT
LAT 21 30.0S LONG 102 59.9W WEATHER 1 SEA STATE 1
BAROMETER 17 WIND DIR 280 T SPD 14 KT VISIBILITY 8
CLOUD 8 AMOUNT 1 DRY 24.0 WET 21.0 DEPTH 3993 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.613	36.283	207.5	24.431	0.000
10	24.604	36.269	208.5	24.423	0.035
20	24.326	36.232	210.8	24.479	0.070
30	24.267	36.229	212.6	24.494	0.104
40	24.285	36.257	212.6	24.510	0.139
50	24.254	36.256	213.6	24.518	0.173
60	23.351	36.077	223.6	24.650	0.207
70	22.643	36.048	228.9	24.833	0.239
80	22.673	36.136	225.4	24.892	0.270
90	22.570	36.141	225.9	24.924	0.301
100	21.863	35.969	226.2	24.994	0.331
110	21.402	35.901	228.3	25.071	0.361
120	21.082	35.863	225.9	25.130	0.390
130	20.866	35.838	226.2	25.170	0.418
140	20.731	35.832	224.6	25.202	0.446
150	20.593	35.813	221.7	25.225	0.474
160	20.446	35.791	221.8	25.247	0.502
170	20.287	35.760	221.5	25.267	0.530
180	20.167	35.745	218.5	25.287	0.558
190	20.078	35.727	218.1	25.297	0.585
200	19.522	35.613	216.2	25.356	0.612
250	16.329	35.019	202.2	25.687	0.739
300	12.928	34.571	166.2	26.076	0.850
350	10.854	34.504	107.6	26.416	0.942
400	9.644	34.511	74.9	26.631	1.021
450	8.500	34.475	83.9	26.785	1.091
500	7.436	34.426	105.7	26.905	1.155
550	6.625	34.384	132.8	26.985	1.214
600	6.051	34.364	135.3	27.044	1.270
650	5.640	34.358	146.0	27.091	1.324
700	5.436	34.379	133.3	27.132	1.375
750	5.162	34.402	113.6	27.183	1.425
800	4.857	34.406	115.5	27.221	1.472
900	4.453	34.457	108.0	27.307	1.561
1000	4.187	34.493	103.6	27.363	1.644
1500	2.907	34.571	114.2	27.551	2.002
2000	2.061	34.627	143.9	27.668	2.288
2500	1.697	34.664	156.5	27.726	2.533
3000	1.572	34.678	156.6	27.747	2.769
3500	1.520	34.684	152.7	27.755	3.006
4000	1.509	34.686	155.0	27.757	3.253
4005	1.509	34.685	153.5	27.757	3.256

CAST CG3-94-DI -097 DATE 31 MAR 94 TIME 1118 GMT

LAT 20 59.9S LONG 103 00.1W



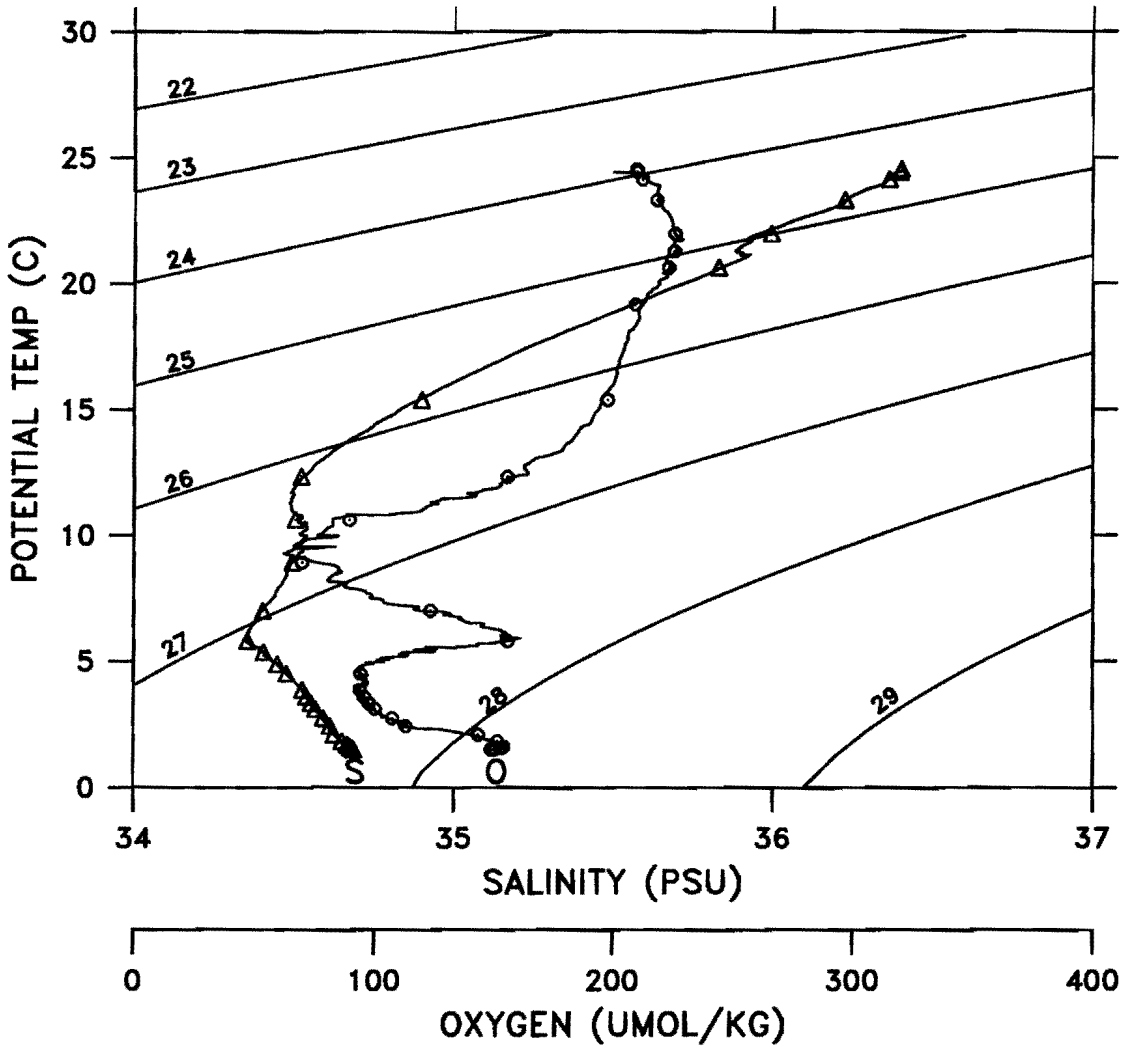


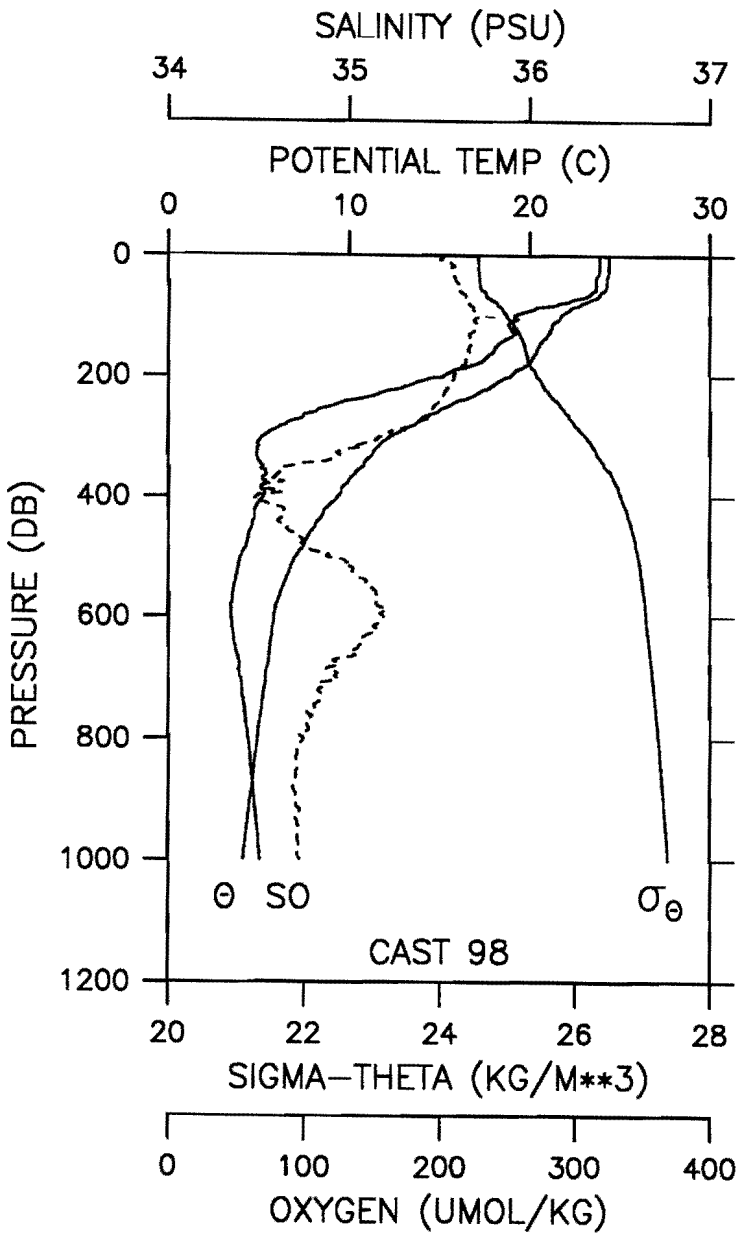
CAST CG3-94-DI -097 DATE 31 MAR 94 TIME 1118 GMT
LAT 20 59.9S LONG 103 00.1W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 275 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 23.8 WET 20.2 DEPTH 4079 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.432	36.263	203.3	24.470	0.000
10	24.430	36.261	211.3	24.470	0.035
20	24.397	36.257	211.1	24.476	0.069
30	24.298	36.250	212.0	24.501	0.104
40	24.267	36.249	213.4	24.510	0.138
50	24.046	36.201	214.6	24.539	0.172
60	23.419	36.104	221.7	24.650	0.206
70	22.927	36.086	224.4	24.781	0.238
80	22.509	36.028	226.0	24.856	0.270
90	21.820	35.931	225.9	24.977	0.300
100	21.466	35.917	226.5	25.065	0.330
110	21.191	35.887	224.0	25.118	0.359
120	20.978	35.870	223.6	25.164	0.388
130	20.874	35.862	222.0	25.186	0.416
140	20.746	35.846	220.4	25.209	0.444
150	20.638	35.832	221.4	25.227	0.472
160	20.512	35.812	220.2	25.246	0.500
170	20.409	35.793	219.2	25.260	0.528
180	20.187	35.746	216.8	25.283	0.555
190	19.963	35.697	214.3	25.305	0.583
200	19.267	35.560	213.4	25.382	0.610
250	16.754	35.090	199.5	25.643	0.737
300	12.644	34.544	164.5	26.111	0.847
350	10.763	34.508	103.9	26.435	0.938
400	9.420	34.502	77.8	26.661	1.015
450	8.139	34.461	82.4	26.830	1.084
500	7.022	34.403	123.0	26.946	1.145
550	6.305	34.368	143.4	27.014	1.203
600	5.854	34.348	157.9	27.056	1.257
650	5.600	34.371	134.5	27.106	1.310
700	5.213	34.361	142.4	27.144	1.361
750	5.076	34.409	113.3	27.198	1.410
800	4.887	34.433	104.6	27.239	1.456
900	4.441	34.468	104.7	27.316	1.545
1000	4.160	34.500	102.6	27.372	1.627
1500	2.892	34.576	110.0	27.557	1.978
2000	2.078	34.626	142.8	27.666	2.266
2500	1.701	34.664	153.8	27.726	2.512
3000	1.561	34.679	153.1	27.748	2.747
3500	1.513	34.685	151.3	27.757	2.984
4000	1.502	34.686	152.6	27.758	3.230
4126	1.502	34.686	149.8	27.758	3.294

CAST CG3-94-DI -098 DATE 31 MAR 94 TIME 1735 GMT

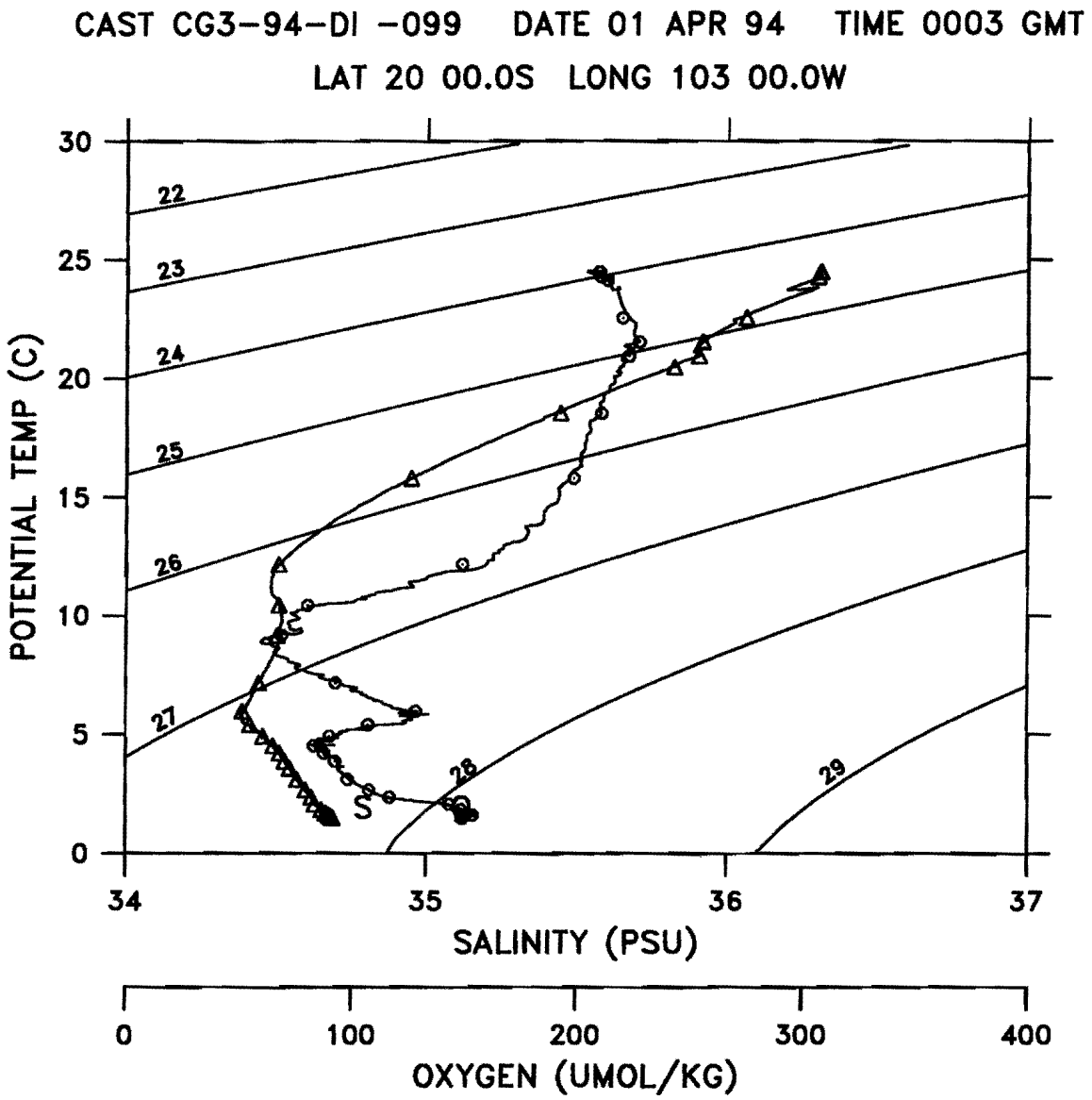
LAT 20 30.1S LONG 103 00.1W

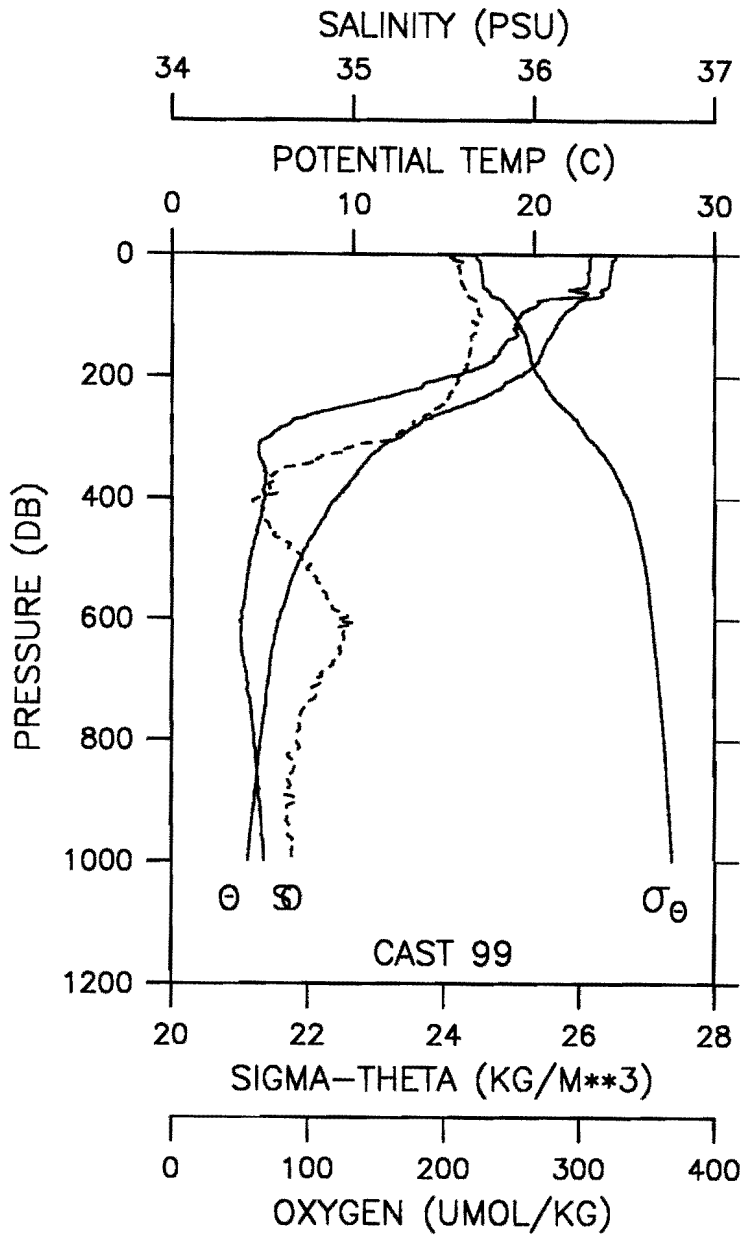




CAST CG3-94-DI -098 DATE 31 MAR 94 TIME 1735 GMT
LAT 20 30.1S LONG 103 00.1W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 290 T SPD 09 KT VISIBILITY 9
CLOUD 8 AMOUNT 1 DRY 25.0 WET 21.1 DEPTH 4067 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.414	36.390	203.5	24.572	0.000
10	24.396	36.388	206.7	24.576	0.034
20	24.386	36.386	208.7	24.578	0.067
30	24.379	36.385	210.7	24.579	0.101
40	24.301	36.370	211.7	24.591	0.134
50	24.277	36.369	212.9	24.597	0.168
60	23.987	36.346	215.5	24.666	0.201
70	23.676	36.284	218.6	24.711	0.234
80	22.858	36.158	221.8	24.855	0.266
90	22.230	36.017	225.0	24.927	0.297
100	21.731	35.917	229.1	24.991	0.327
110	21.410	35.896	226.2	25.065	0.357
120	21.223	35.896	226.3	25.117	0.386
130	21.002	35.909	221.9	25.187	0.414
140	20.730	35.858	223.6	25.222	0.442
150	20.510	35.820	222.4	25.253	0.470
160	20.360	35.796	222.4	25.274	0.498
170	20.137	35.752	219.6	25.300	0.525
180	19.888	35.699	218.6	25.326	0.552
190	19.238	35.573	213.0	25.400	0.579
200	18.951	35.521	210.6	25.433	0.605
250	15.477	34.902	195.4	25.791	0.728
300	12.292	34.526	156.4	26.165	0.833
350	10.747	34.525	87.5	26.451	0.922
400	9.365	34.524	64.7	26.687	0.998
450	8.098	34.462	88.2	26.837	1.066
500	7.044	34.401	116.7	26.941	1.128
550	6.337	34.363	147.4	27.006	1.186
600	5.828	34.347	158.7	27.059	1.240
650	5.615	34.371	140.2	27.104	1.293
700	5.371	34.395	124.1	27.152	1.344
750	5.153	34.421	107.9	27.199	1.393
800	4.935	34.442	99.6	27.241	1.439
900	4.510	34.475	94.1	27.315	1.528
1000	4.137	34.505	97.0	27.378	1.609
1500	2.920	34.578	102.4	27.555	1.961
2000	2.083	34.626	141.2	27.665	2.249
2500	1.700	34.664	152.7	27.726	2.496
3000	1.566	34.679	154.0	27.748	2.731
3500	1.516	34.685	151.7	27.756	2.968
4000	1.504	34.686	149.7	27.758	3.214
4093	1.504	34.686	151.3	27.758	3.261


CAST CG3-94-DI -099 DATE 01 APR 94 TIME 0003 GMT
LAT 20 00.0S LONG 103 00.0W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
22
23
24
25
26
27
28
29
S
30
25
20
15
10
5
0
34
35
36
37
0
100
200
300
400

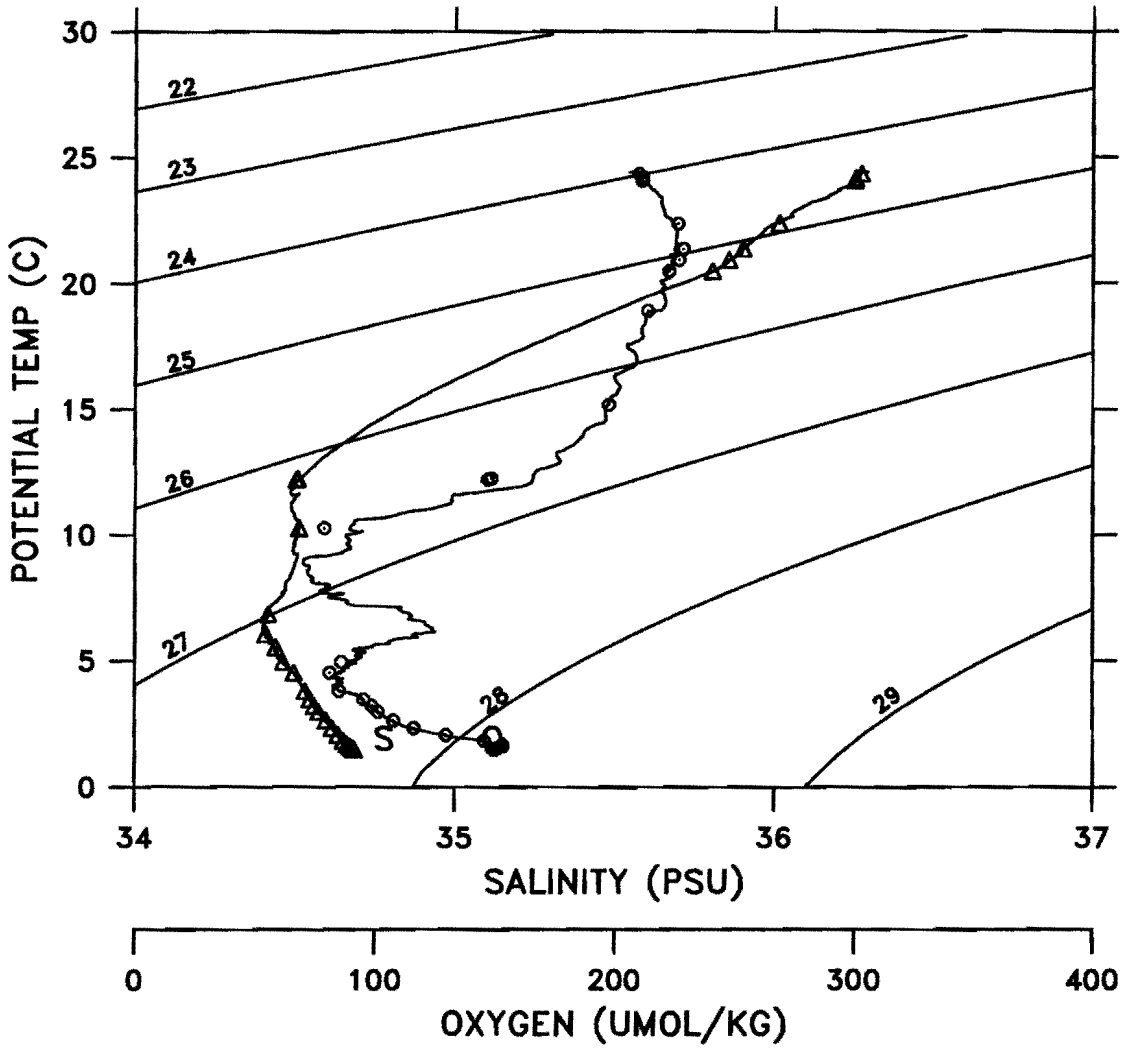


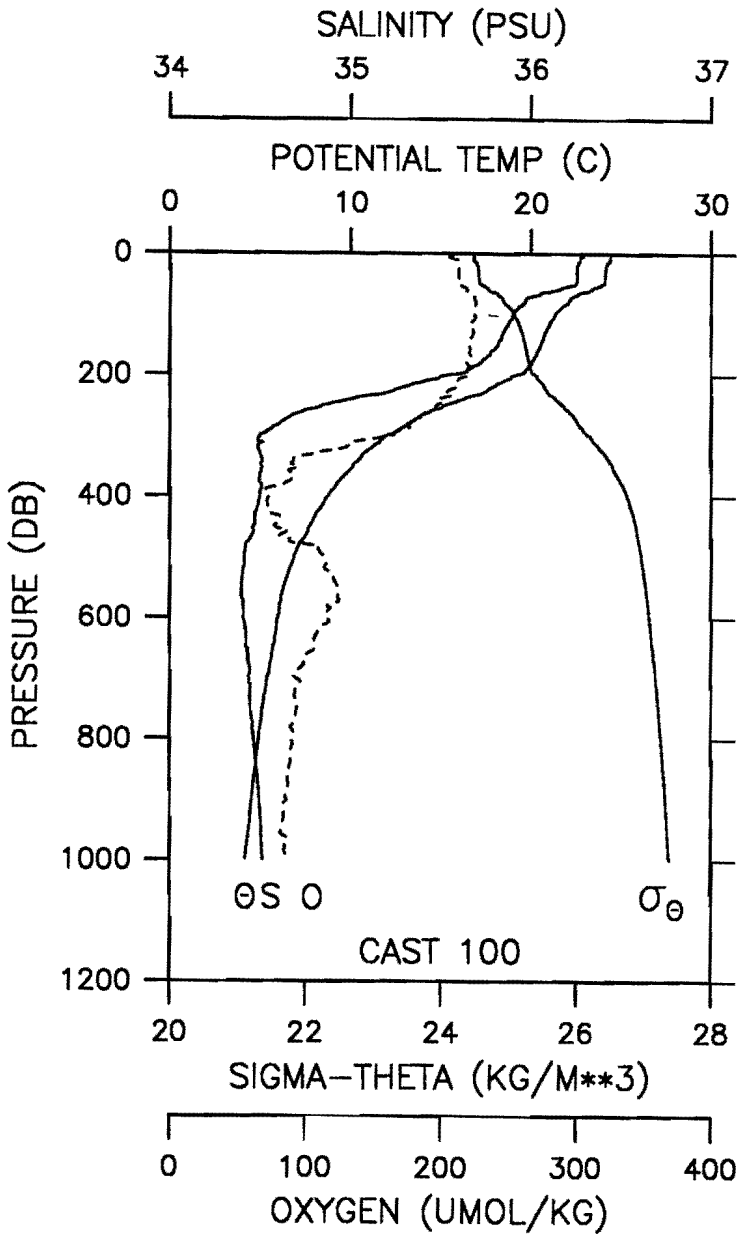
CAST CG3-94-DI -099 DATE 01 APR 94 TIME 0003 GMT
LAT 20 00.0S LONG 103 00.0W WEATHER 0 SEA STATE 1
BAROMETER 14 WIND DIR 281 T SPD 14 KT VISIBILITY 9
CLOUD 8 AMOUNT 4 DRY 25.0 WET 21.2 DEPTH 4108 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.533	36.317	207.6	24.481	0.000
10	24.354	36.307	209.7	24.527	0.034
20	24.310	36.308	210.6	24.541	0.068
30	24.232	36.300	211.8	24.558	0.102
40	24.211	36.306	213.8	24.569	0.136
50	24.154	36.292	213.8	24.576	0.170
60	23.736	36.235	216.9	24.657	0.203
70	23.380	36.201	218.9	24.735	0.236
80	22.372	36.027	225.4	24.895	0.267
90	21.948	35.967	225.3	24.969	0.298
100	21.596	35.925	227.6	25.035	0.328
110	21.369	35.906	221.1	25.084	0.357
120	21.156	35.896	223.6	25.134	0.386
130	20.998	35.906	221.7	25.186	0.414
140	20.738	35.855	220.4	25.218	0.442
150	20.570	35.829	220.2	25.243	0.470
160	20.453	35.809	218.8	25.259	0.498
170	20.291	35.781	217.9	25.282	0.526
180	20.091	35.737	217.0	25.301	0.553
190	19.720	35.658	215.0	25.339	0.580
200	19.032	35.523	211.9	25.414	0.607
250	15.727	34.940	196.3	25.764	0.731
300	12.534	34.536	162.8	26.126	0.837
350	10.434	34.511	83.8	26.495	0.925
400	9.088	34.512	63.1	26.722	1.000
450	8.035	34.473	72.7	26.855	1.066
500	7.117	34.434	95.4	26.957	1.127
550	6.451	34.410	110.0	27.028	1.184
600	5.944	34.387	124.0	27.076	1.238
650	5.528	34.384	123.1	27.124	1.290
700	5.328	34.411	105.6	27.170	1.340
750	5.125	34.437	96.7	27.215	1.388
800	4.896	34.453	91.7	27.253	1.434
900	4.552	34.484	91.7	27.317	1.521
1000	4.186	34.509	88.2	27.376	1.603
1500	2.887	34.580	103.1	27.560	1.954
2000	2.065	34.627	141.9	27.668	2.240
2500	1.695	34.665	154.4	27.727	2.485
3000	1.556	34.680	152.4	27.749	2.720
3500	1.509	34.685	150.8	27.756	2.956
4000	1.497	34.686	149.8	27.759	3.202
4223	1.496	34.687	148.9	27.759	3.315

CAST CG3-94-DI -100 DATE 01 APR 94 TIME 0618 GMT

LAT 19 30.1S LONG 102 59.5W



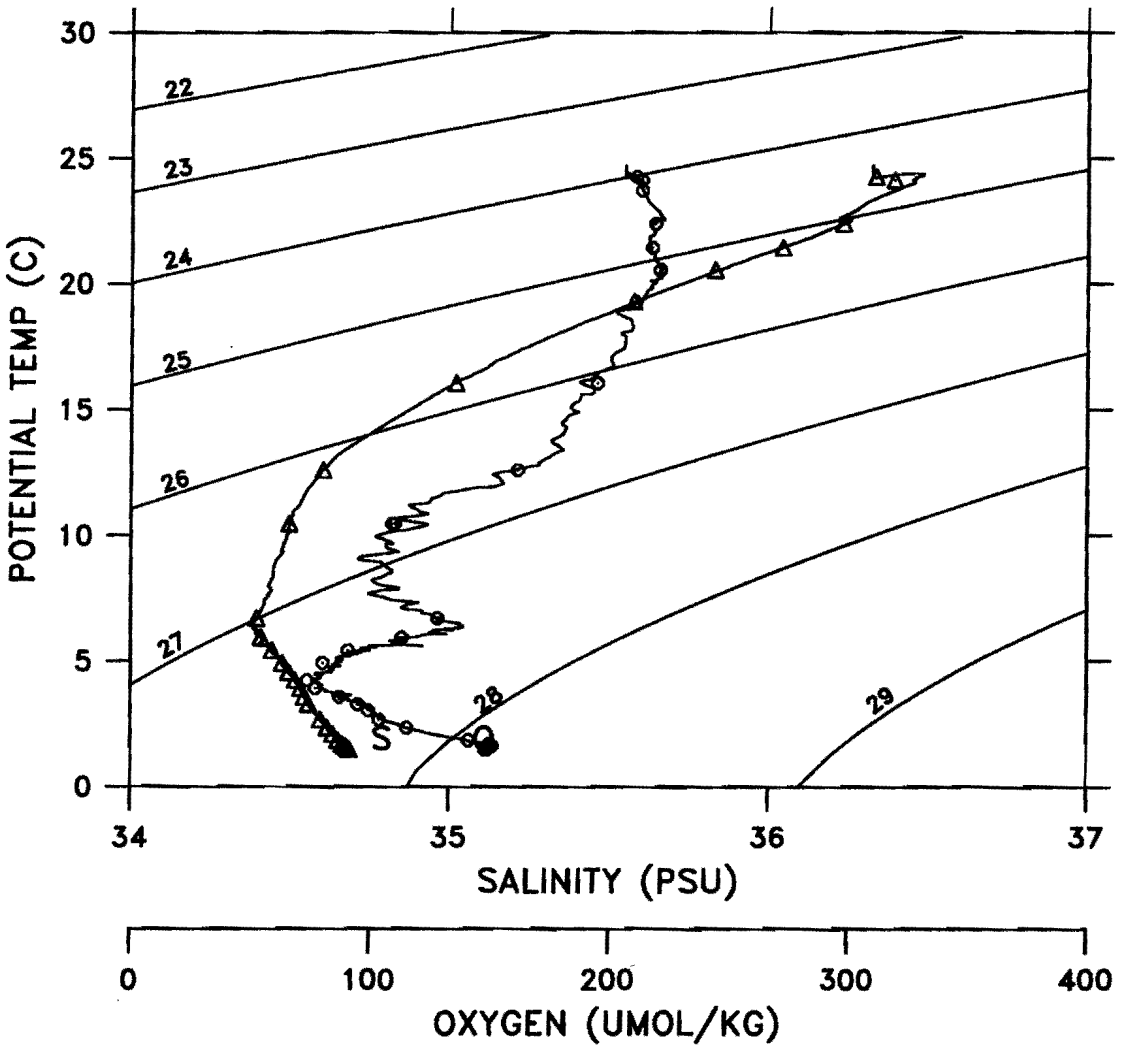


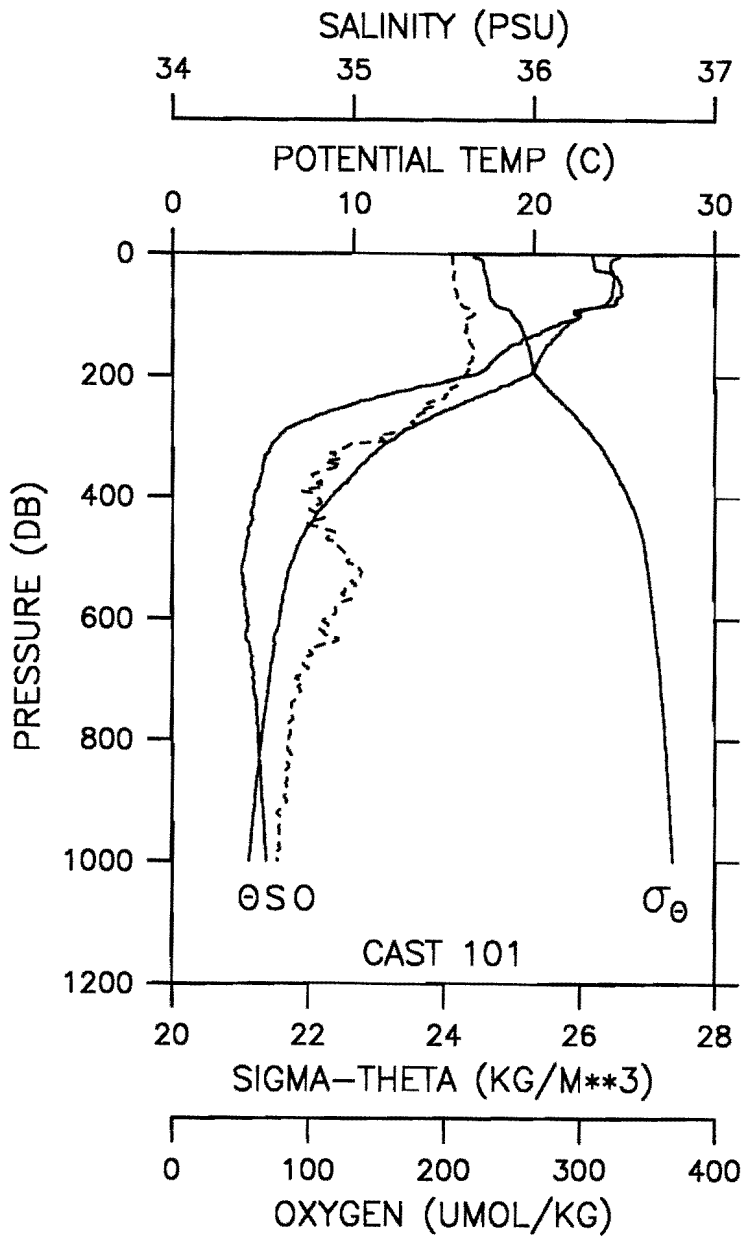
CAST CG3-94-DI -100 DATE 01 APR 94 TIME 0618 GMT
LAT 19 30.1S LONG 102 59.5W WEATHER 2 SEA STATE 2
BAROMETER 15 WIND DIR 285 T SPD 08 KT VISIBILITY 8
CLOUD 8 AMOUNT 7 DRY 25.0 WET 21.2 DEPTH 4110 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.405	36.292	210.1	24.500	0.000
10	24.382	36.272	212.9	24.492	0.034
20	24.177	36.257	213.0	24.542	0.068
30	24.128	36.255	213.3	24.555	0.102
40	24.107	36.255	213.2	24.562	0.136
50	23.984	36.249	213.1	24.593	0.170
60	23.266	36.134	219.4	24.718	0.203
70	22.377	36.003	224.3	24.875	0.235
80	22.067	35.966	225.9	24.935	0.265
90	21.651	35.928	225.2	25.023	0.295
100	21.328	35.899	224.7	25.089	0.324
110	21.130	35.883	223.5	25.132	0.353
120	20.941	35.865	224.7	25.170	0.382
130	20.763	35.844	224.3	25.203	0.410
140	20.671	35.835	222.4	25.220	0.438
150	20.542	35.817	221.9	25.242	0.466
160	20.359	35.783	221.4	25.265	0.494
170	20.205	35.753	222.4	25.283	0.521
180	20.041	35.720	219.3	25.301	0.549
190	19.779	35.661	219.8	25.326	0.576
200	19.122	35.535	220.9	25.400	0.603
250	15.226	34.855	197.2	25.811	0.727
300	11.975	34.497	162.9	26.204	0.830
350	10.136	34.505	94.1	26.542	0.916
400	8.789	34.498	72.1	26.759	0.989
450	7.717	34.460	77.3	26.892	1.053
500	6.886	34.414	114.5	26.973	1.113
550	6.292	34.398	124.1	27.040	1.169
600	5.966	34.408	116.0	27.089	1.223
650	5.700	34.427	105.8	27.137	1.274
700	5.396	34.437	92.8	27.183	1.323
750	5.126	34.448	93.9	27.223	1.371
800	4.915	34.463	91.1	27.260	1.416
900	4.533	34.496	86.0	27.328	1.503
1000	4.167	34.513	85.6	27.381	1.584
1500	2.839	34.583	103.8	27.567	1.930
2000	2.073	34.635	129.3	27.673	2.213
2500	1.698	34.664	153.3	27.726	2.458
3000	1.559	34.679	151.9	27.748	2.693
3500	1.503	34.685	150.6	27.757	2.929
4000	1.494	34.686	149.6	27.759	3.174
4175	1.489	34.685	148.9	27.758	3.263

CAST CG3-94-DI -101 DATE 01 APR 94 TIME 2135 GMT

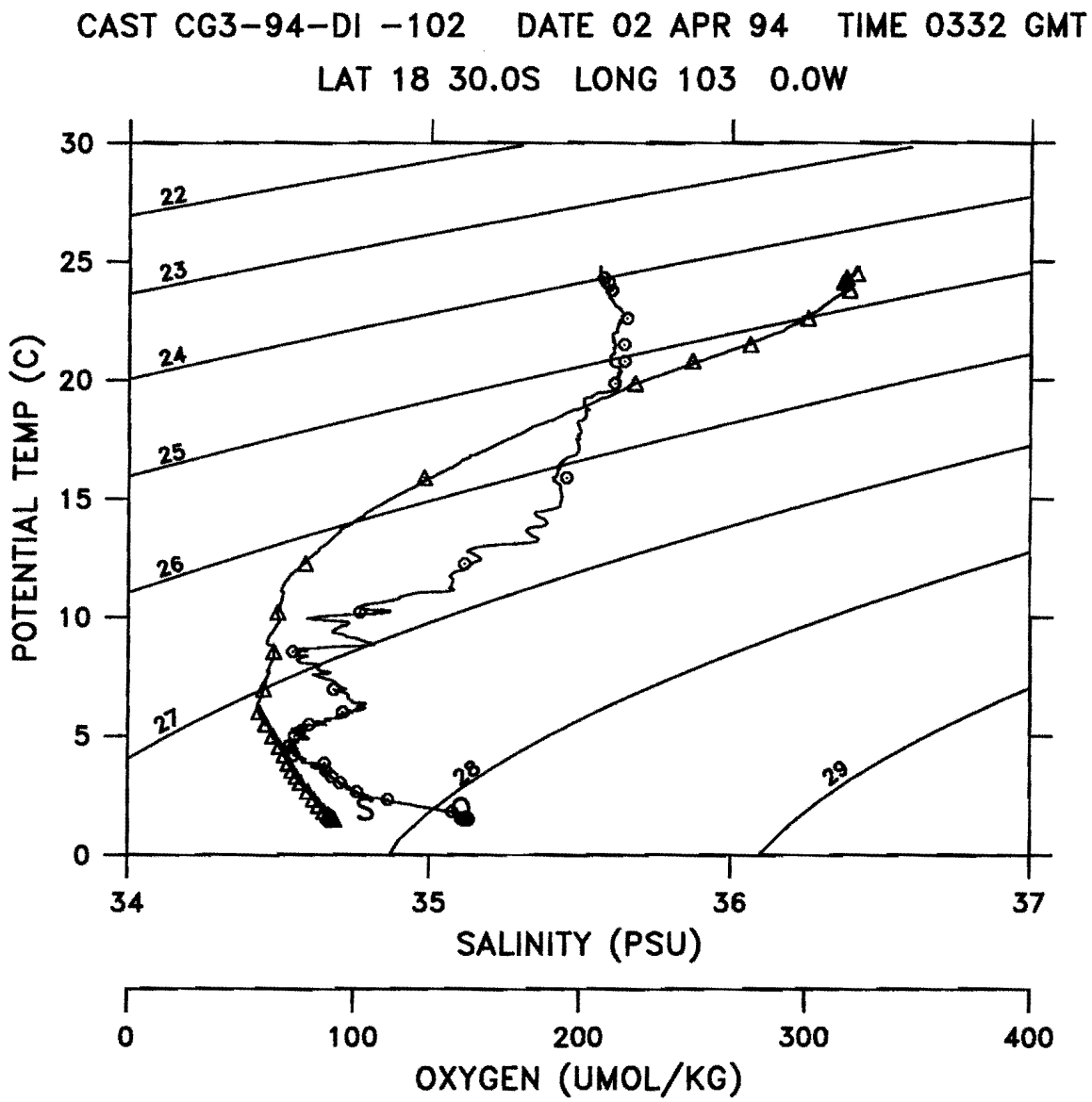
LAT 18 59.9S LONG 103 00.1W

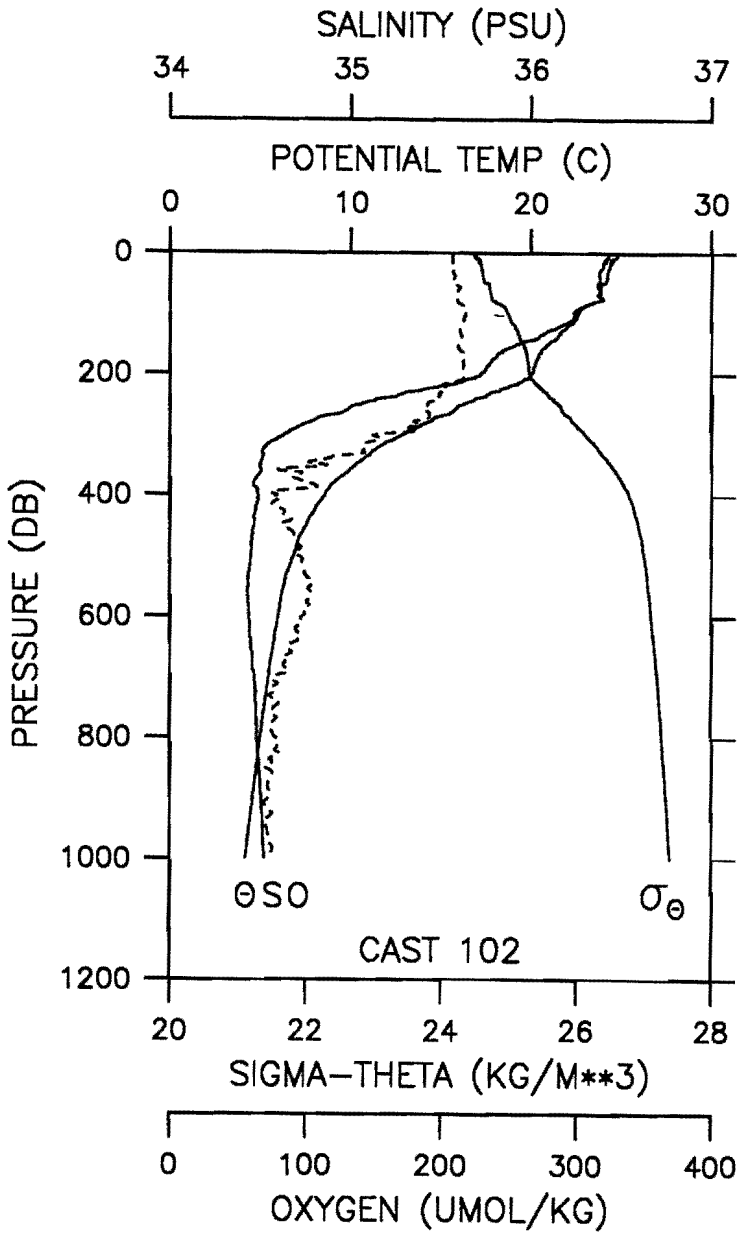




CAST CG3-94-DI -101 DATE 01 APR 94 TIME 2135 GMT
LAT 18 59.9S LONG 103 00.1W WEATHER 1 SEA STATE 2
BAROMETER 15 WIND DIR 260 T SPD 07 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 26.3 WET 21.7 DEPTH 4094 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.703	36.324	206.2	24.434	0.000
10	24.301	36.326	206.2	24.557	0.035
20	24.230	36.332	206.1	24.583	0.068
30	24.370	36.417	207.9	24.605	0.102
40	24.409	36.461	207.2	24.627	0.135
50	24.382	36.479	207.8	24.649	0.168
60	24.324	36.478	209.1	24.666	0.201
70	24.268	36.470	209.5	24.676	0.234
80	24.013	36.455	213.8	24.741	0.267
90	22.871	36.263	220.3	24.931	0.298
100	22.549	36.254	221.7	25.017	0.328
110	22.090	36.174	218.7	25.086	0.358
120	21.655	36.087	216.7	25.142	0.387
130	21.421	36.034	216.1	25.167	0.415
140	20.948	35.928	218.6	25.216	0.443
150	20.674	35.868	220.8	25.245	0.471
160	20.483	35.827	220.8	25.265	0.499
170	20.315	35.791	221.1	25.283	0.527
180	20.135	35.754	217.1	25.303	0.554
190	19.990	35.724	217.7	25.318	0.581
200	19.557	35.632	214.6	25.361	0.608
250	15.694	34.970	193.5	25.795	0.733
300	12.401	34.592	152.0	26.195	0.836
350	10.337	34.497	121.4	26.501	0.923
400	8.777	34.450	106.4	26.723	0.998
450	7.474	34.423	107.5	26.898	1.063
500	6.701	34.396	129.0	26.984	1.122
550	6.226	34.398	128.8	27.048	1.178
600	5.907	34.415	113.0	27.102	1.230
650	5.598	34.428	100.1	27.150	1.281
700	5.333	34.444	91.8	27.195	1.330
750	5.131	34.463	86.3	27.234	1.377
800	4.915	34.473	85.8	27.268	1.422
900	4.546	34.494	84.2	27.326	1.508
1000	4.210	34.517	77.4	27.380	1.589
1500	2.865	34.583	103.2	27.564	1.938
2000	2.085	34.635	127.2	27.672	2.220
2500	1.701	34.665	149.3	27.726	2.465
3000	1.563	34.679	148.0	27.748	2.700
3500	1.501	34.685	148.4	27.757	2.936
4000	1.485	34.686	148.5	27.760	3.181
4144	1.485	34.686	147.9	27.759	3.254


CAST CG3-94-DI -102 DATE 02 APR 94 TIME 0332 GMT
LAT 18 30.0S LONG 103 0.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
22
23
24
25
26
27
28
29
34
35
36
37
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

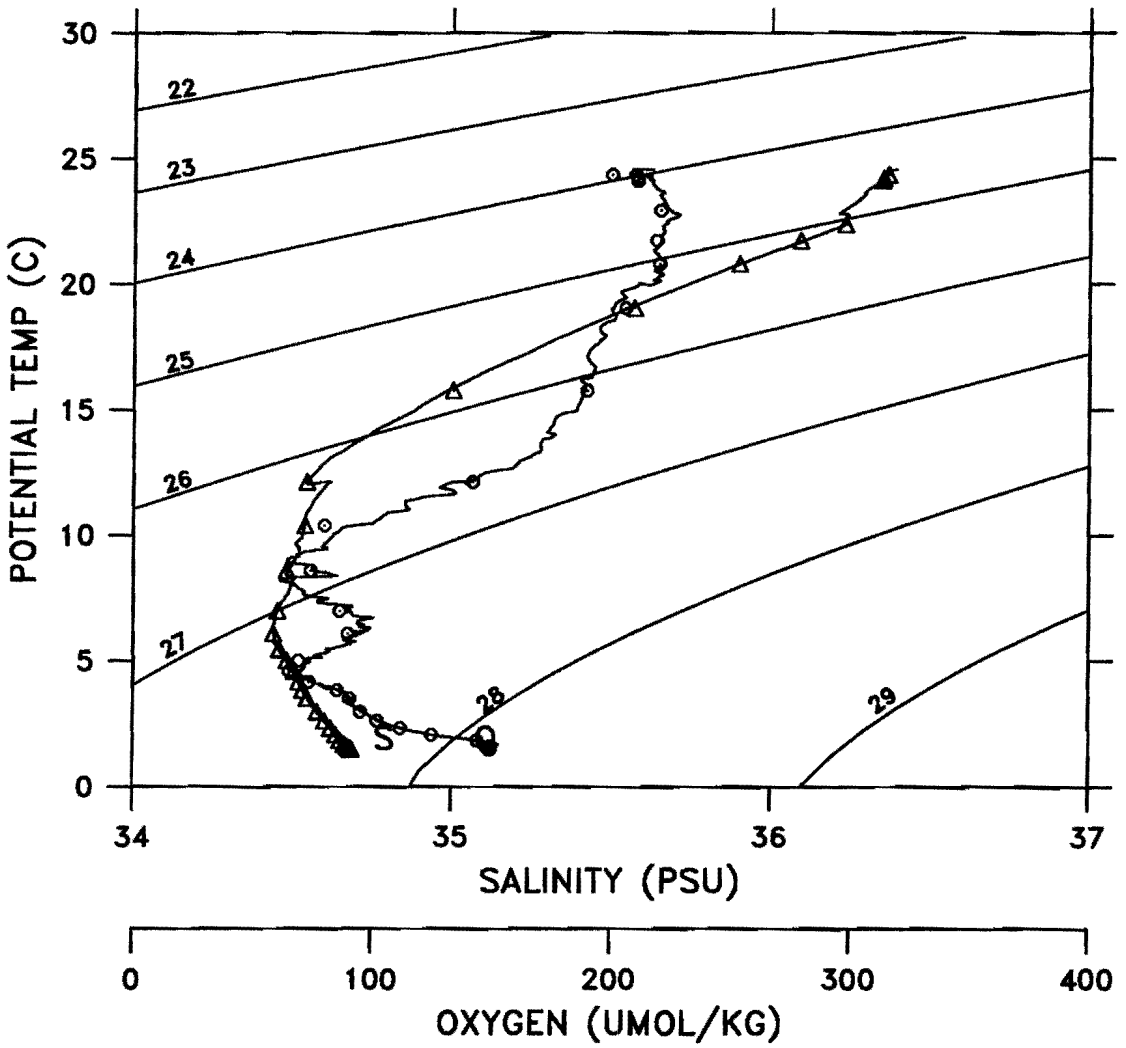


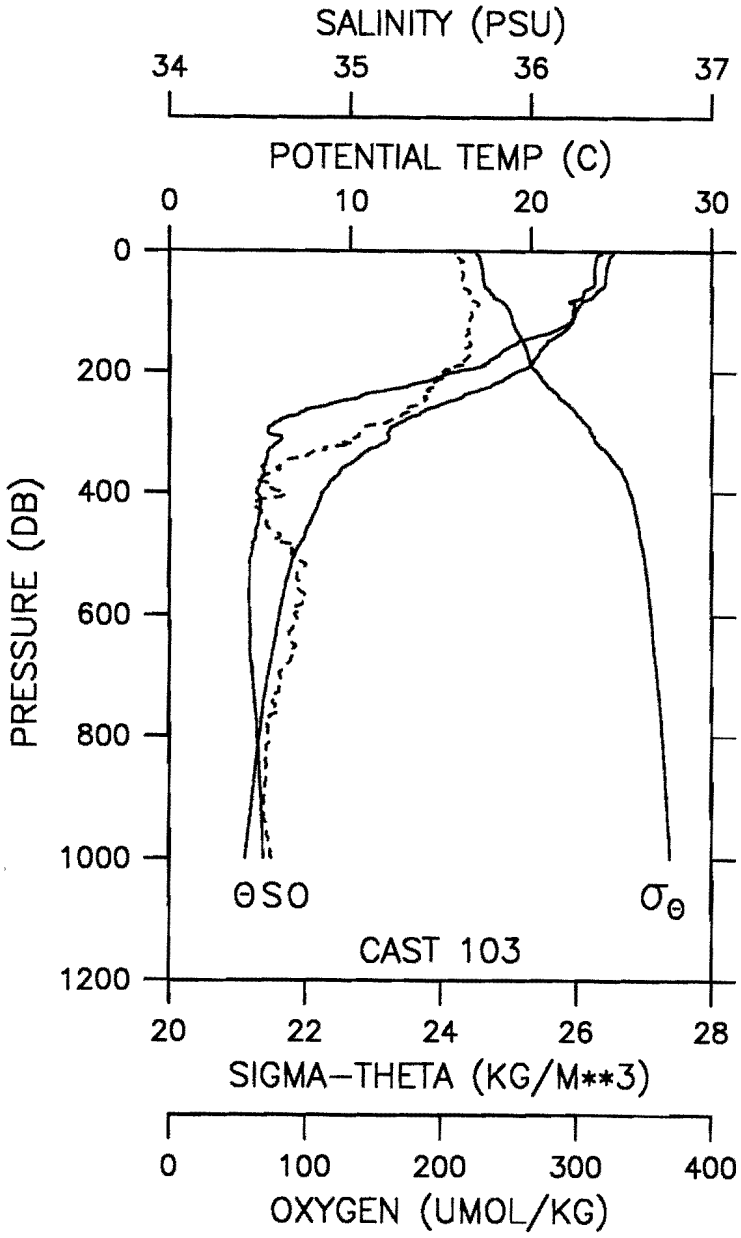
CAST CG3-94-DI -102 DATE 02 APR 94 TIME 0332 GMT
LAT 18 30.0S LONG 103 0.0W WEATHER 2 SEA STATE 2
BAROMETER 17 WIND DIR 300 T SPD 5 KT VISIBILITY 7
CLOUD X AMOUNT 9 DRY 24.0 WET 21.0 DEPTH 4047 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.770	36.428	208.6	24.519	0.000
10	24.454	36.408	208.6	24.573	0.034
20	24.367	36.400	208.4	24.594	0.068
30	24.264	36.381	209.1	24.610	0.101
40	24.223	36.381	210.0	24.622	0.134
50	23.901	36.369	210.2	24.710	0.167
60	23.868	36.378	212.8	24.726	0.200
70	23.796	36.374	212.3	24.745	0.232
80	23.487	36.348	212.6	24.816	0.264
90	22.808	36.267	218.7	24.952	0.295
100	22.609	36.241	218.1	24.990	0.325
110	22.454	36.230	217.1	25.026	0.355
120	22.005	36.158	215.8	25.098	0.385
130	21.668	36.085	214.3	25.137	0.414
140	21.444	36.041	215.1	25.166	0.442
150	20.972	35.931	213.0	25.212	0.471
160	20.587	35.848	214.0	25.253	0.498
170	20.414	35.810	217.0	25.271	0.526
180	20.267	35.778	216.4	25.286	0.554
190	20.147	35.751	216.2	25.297	0.581
200	20.025	35.722	216.4	25.307	0.608
250	16.314	35.063	190.6	25.724	0.736
300	12.958	34.641	154.3	26.124	0.844
350	10.295	34.499	113.0	26.510	0.933
400	8.588	34.485	78.7	26.780	1.005
450	7.545	34.465	83.3	26.921	1.068
500	6.843	34.446	94.8	27.004	1.126
550	6.318	34.431	103.7	27.063	1.181
600	5.980	34.435	97.4	27.109	1.233
650	5.702	34.447	88.7	27.153	1.284
700	5.443	34.467	75.9	27.201	1.332
750	5.210	34.475	76.6	27.235	1.379
800	4.988	34.479	77.7	27.264	1.424
900	4.567	34.505	72.5	27.332	1.511
1000	4.172	34.520	74.8	27.386	1.592
1500	2.869	34.585	98.0	27.566	1.939
2000	2.070	34.635	127.3	27.674	2.220
2500	1.683	34.666	150.7	27.729	2.465
3000	1.556	34.679	148.1	27.749	2.698
3500	1.504	34.685	147.8	27.757	2.934
4000	1.486	34.686	148.8	27.759	3.179
4107	1.485	34.686	147.3	27.759	3.233

CAST CG3-94-DI -103 DATE 02 APR 94 TIME 0911 GMT

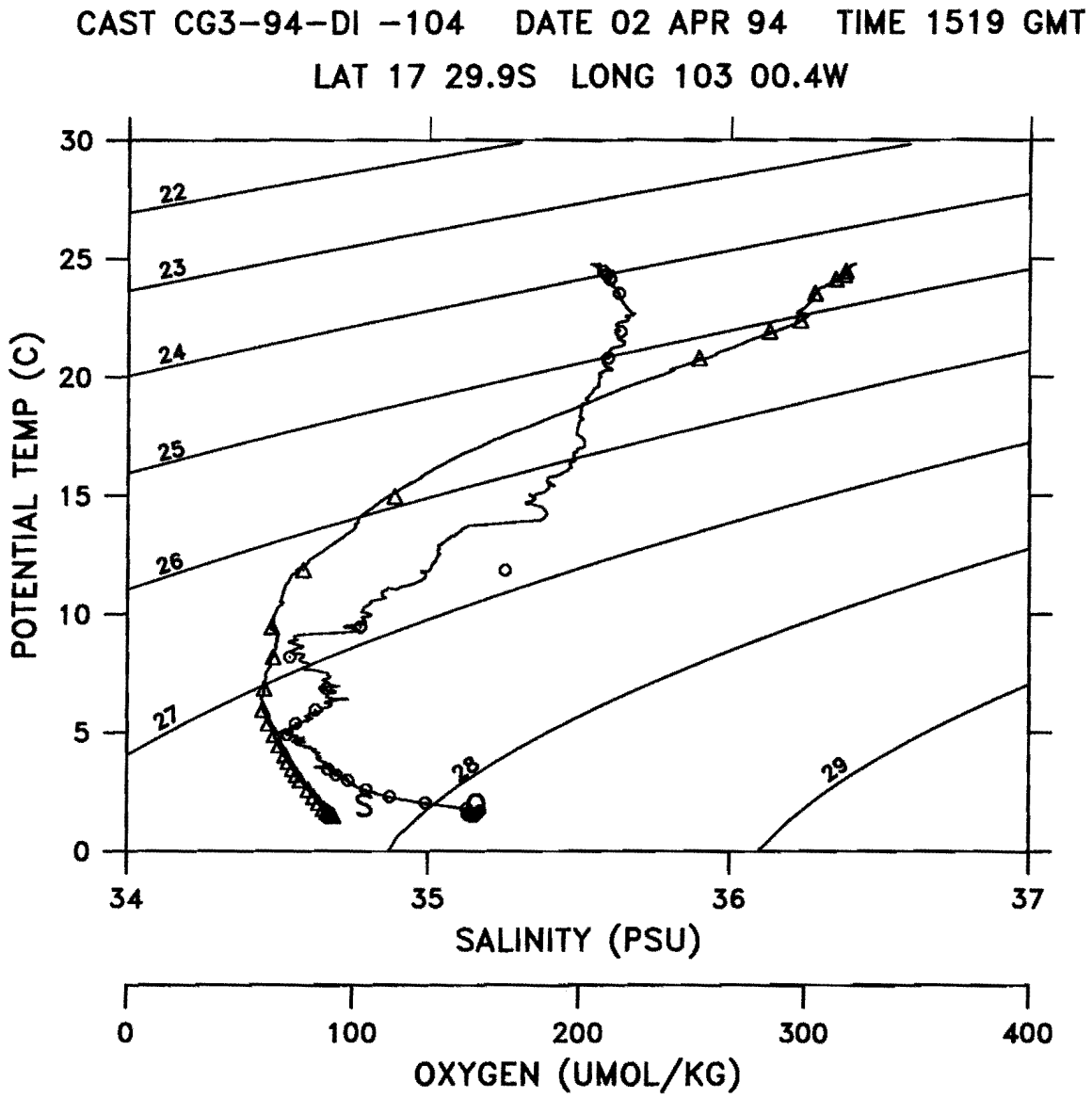
LAT 17 59.9S LONG 103 00.2W

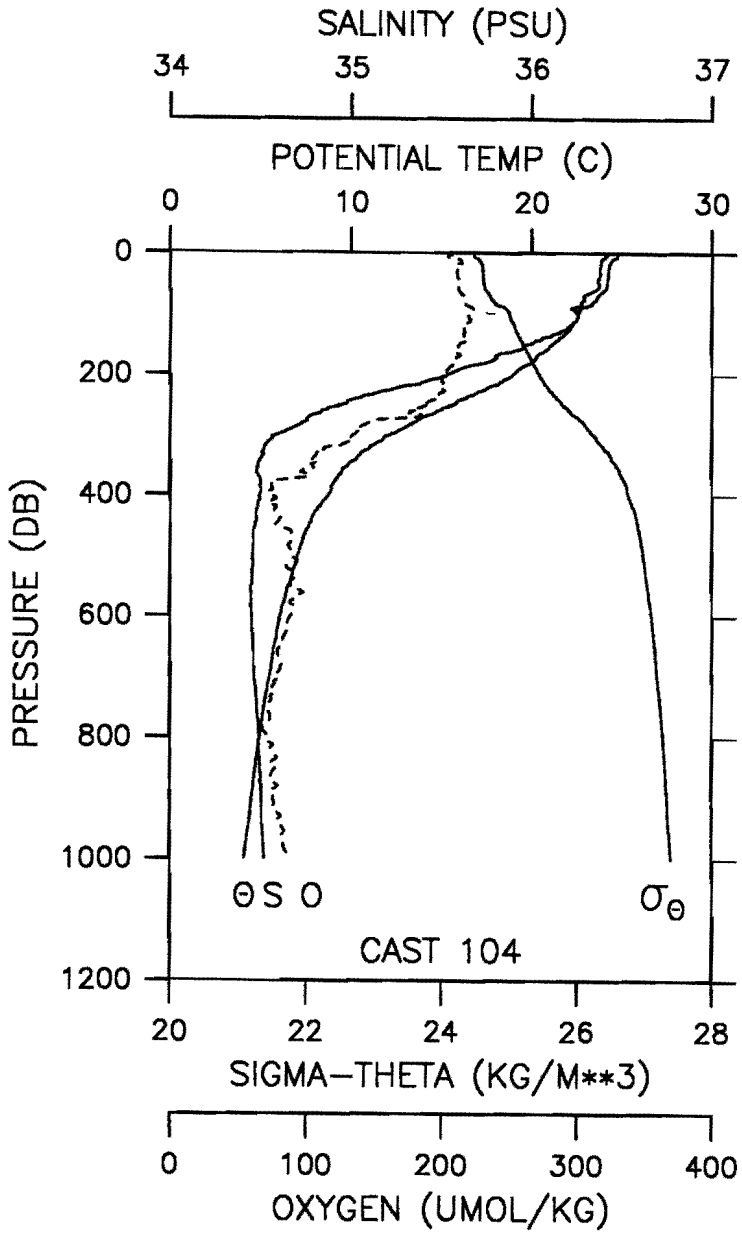




CAST CG3-94-DI -103 DATE 02 APR 94 TIME 0911 GMT
LAT 17 59.9S LONG 103 00.2W WEATHER 1 SEA STATE 2
BAROMETER 15 WIND DIR 000 T SPD 00 KT VISIBILITY 9
CLOUD 8 AMOUNT 2 DRY 23.6 WET 20.8 DEPTH 4186 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.555	36.391	217.0	24.531	0.000
10	24.355	36.363	212.3	24.569	0.034
20	24.270	36.357	214.6	24.590	0.067
30	24.181	36.352	215.6	24.613	0.101
40	24.153	36.352	216.7	24.621	0.134
50	24.125	36.353	216.1	24.631	0.167
60	23.952	36.328	217.0	24.664	0.201
70	23.590	36.295	220.5	24.745	0.233
80	23.091	36.246	222.7	24.854	0.265
90	22.676	36.240	227.4	24.969	0.295
100	22.479	36.231	222.5	25.019	0.325
110	22.388	36.235	222.3	25.048	0.355
120	22.211	36.202	221.5	25.074	0.384
130	21.884	36.135	220.0	25.114	0.414
140	21.401	36.033	218.6	25.172	0.442
150	20.918	35.925	221.1	25.222	0.471
160	20.678	35.877	219.0	25.251	0.498
170	20.420	35.827	220.0	25.282	0.526
180	20.168	35.774	218.1	25.309	0.553
190	20.022	35.746	211.2	25.326	0.581
200	19.257	35.596	201.8	25.412	0.607
250	15.417	34.935	187.4	25.830	0.730
300	12.091	34.542	140.4	26.216	0.832
350	10.110	34.530	85.4	26.566	0.917
400	8.438	34.479	82.7	26.798	0.988
450	7.771	34.489	71.8	26.907	1.051
500	6.945	34.453	89.7	26.996	1.110
550	6.435	34.443	96.0	27.056	1.165
600	6.075	34.442	92.5	27.102	1.218
650	5.775	34.445	92.9	27.143	1.269
700	5.452	34.458	81.5	27.192	1.318
750	5.178	34.473	78.2	27.237	1.365
800	4.970	34.484	72.7	27.270	1.410
900	4.567	34.505	68.8	27.332	1.496
1000	4.176	34.520	75.6	27.386	1.576
1500	2.801	34.589	99.3	27.575	1.922
2000	2.060	34.638	125.3	27.677	2.200
2500	1.688	34.666	151.6	27.728	2.443
3000	1.562	34.679	149.3	27.748	2.677
3500	1.508	34.685	149.7	27.757	2.914
4000	1.487	34.686	148.3	27.759	3.159
4233	1.487	34.686	147.6	27.759	3.277


CAST CG3-94-DI -104 DATE 02 APR 94 TIME 1519 GMT
LAT 17 29.9S LONG 103 00.4W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
22
23
24
25
26
27
28
29
S
34
35
36
37
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

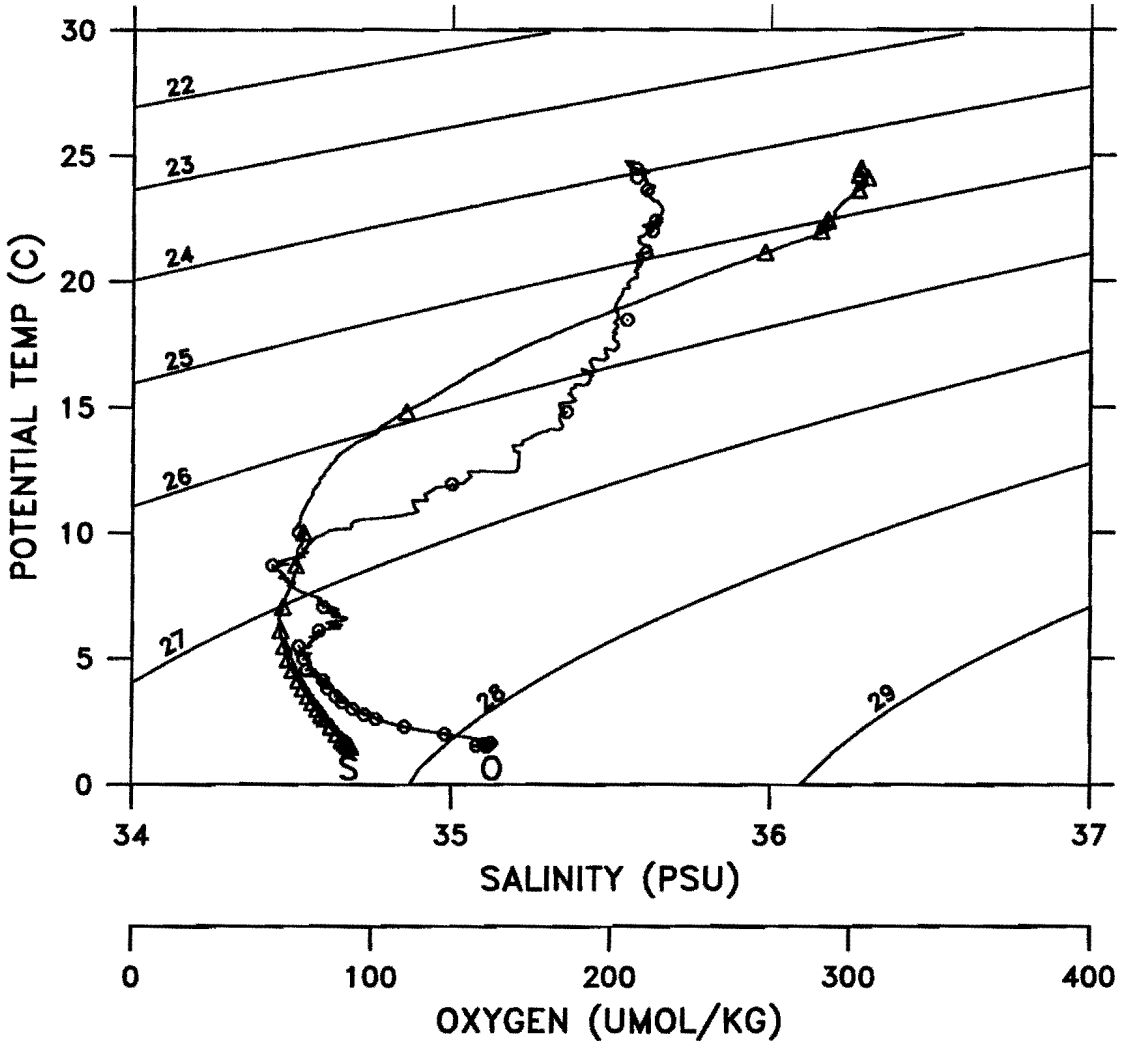


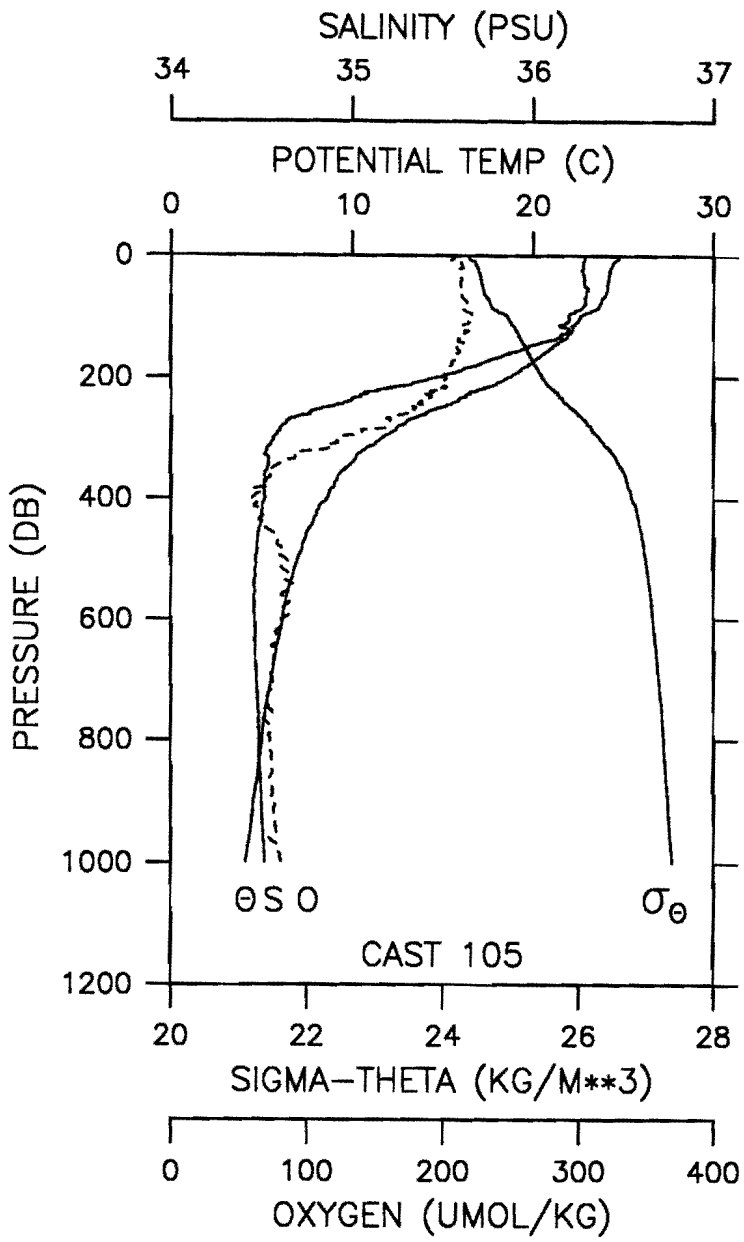
CAST CG3-94-DI -104 DATE 02 APR 94 TIME 1519 GMT
LAT 17 29.9S LONG 103 00.4W WEATHER 1 SEA STATE 3
BAROMETER 17 WIND DIR 055 T SPD 09 KT VISIBILITY 8
CLOUD 8 AMOUNT 6 DRY 26.1 WET 22.8 DEPTH 4043 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.758	36.419	208.7	24.490	0.000
10	24.502	36.391	211.1	24.546	0.034
20	24.305	36.383	210.5	24.599	0.068
30	24.266	36.379	211.5	24.608	0.101
40	24.232	36.374	211.8	24.614	0.135
50	24.194	36.374	211.9	24.626	0.168
60	24.090	36.357	212.7	24.644	0.201
70	23.686	36.292	216.2	24.714	0.234
80	23.429	36.278	217.5	24.780	0.266
90	22.713	36.220	222.8	24.944	0.297
100	22.593	36.257	221.3	25.007	0.328
110	22.484	36.249	221.7	25.031	0.357
120	22.196	36.205	215.8	25.080	0.387
130	21.955	36.155	217.4	25.110	0.416
140	21.512	36.056	219.2	25.158	0.445
150	21.110	35.978	213.3	25.210	0.473
160	20.721	35.903	210.6	25.259	0.501
170	20.274	35.807	212.9	25.306	0.528
180	19.983	35.749	209.1	25.339	0.555
190	19.340	35.609	205.3	25.401	0.582
200	18.942	35.534	204.1	25.445	0.608
250	15.648	34.957	185.6	25.796	0.731
300	12.154	34.598	135.5	26.248	0.833
350	9.859	34.485	104.0	26.574	0.917
400	8.782	34.496	72.4	26.758	0.988
450	7.681	34.469	77.6	26.904	1.052
500	7.047	34.455	90.0	26.983	1.111
550	6.538	34.450	88.6	27.048	1.167
600	6.062	34.449	88.7	27.110	1.220
650	5.752	34.460	80.7	27.157	1.271
700	5.498	34.466	79.9	27.193	1.320
750	5.194	34.480	72.2	27.240	1.366
800	4.934	34.489	72.1	27.278	1.411
900	4.506	34.504	75.5	27.338	1.496
1000	4.088	34.520	84.7	27.396	1.577
1500	2.809	34.590	99.8	27.575	1.917
2000	2.062	34.637	128.6	27.676	2.196
2500	1.686	34.666	155.7	27.728	2.439
3000	1.567	34.679	151.1	27.748	2.673
3500	1.521	34.684	151.3	27.755	2.911
4000	1.492	34.686	153.3	27.759	3.157
4092	1.490	34.686	154.4	27.759	3.204

CAST CG3-94-DI -105 DATE 02 APR 94 TIME 2204 GMT

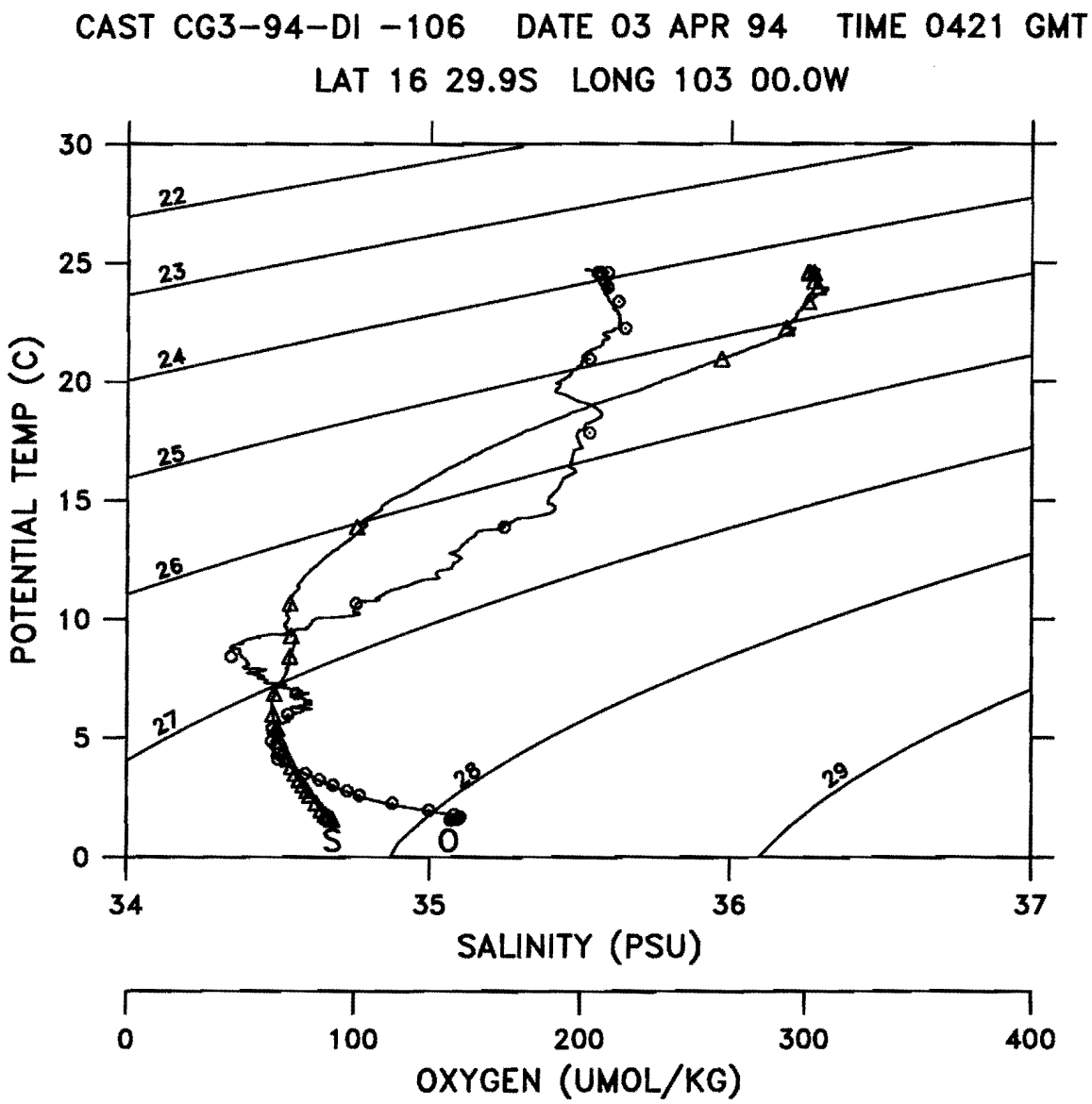
LAT 16 59.9S LONG 102 59.7W





CAST CG3-94-DI -105 DATE 02 APR 94 TIME 2204 GMT
LAT 16 59.9S LONG 102 59.7W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 040 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 26.7 WET 22.0 DEPTH 3905 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.759	36.287	205.5	24.390	0.000
10	24.459	36.279	210.9	24.474	0.035
20	24.311	36.277	215.0	24.517	0.069
30	24.225	36.279	212.8	24.544	0.104
40	24.174	36.284	213.5	24.564	0.137
50	24.127	36.292	213.4	24.584	0.171
60	24.064	36.294	213.9	24.604	0.205
70	23.825	36.287	215.4	24.669	0.238
80	23.696	36.284	216.1	24.706	0.271
90	23.229	36.236	216.8	24.806	0.303
100	22.608	36.198	219.5	24.957	0.334
110	22.379	36.180	219.5	25.009	0.364
120	22.200	36.194	212.9	25.070	0.394
130	21.934	36.153	215.1	25.114	0.423
140	21.539	36.071	211.3	25.163	0.452
150	21.069	35.971	210.3	25.216	0.480
160	20.662	35.881	210.5	25.258	0.508
170	20.149	35.771	209.6	25.311	0.535
180	19.719	35.688	206.7	25.362	0.562
190	19.185	35.582	202.5	25.419	0.589
200	18.596	35.461	202.8	25.477	0.615
250	14.771	34.845	180.5	25.903	0.734
300	11.661	34.565	124.4	26.315	0.832
350	9.655	34.531	74.7	26.644	0.912
400	8.620	34.518	58.8	26.801	0.981
450	7.629	34.487	70.5	26.925	1.044
500	6.984	34.467	84.8	27.001	1.102
550	6.495	34.462	87.9	27.063	1.157
600	6.165	34.462	81.0	27.106	1.210
650	5.811	34.467	76.8	27.155	1.260
700	5.527	34.472	74.4	27.195	1.309
750	5.204	34.479	73.2	27.238	1.356
800	5.021	34.487	73.0	27.266	1.401
900	4.566	34.501	74.6	27.329	1.488
1000	4.138	34.519	81.1	27.389	1.569
1500	2.789	34.593	98.2	27.579	1.912
2000	2.005	34.641	131.1	27.684	2.188
2500	1.658	34.669	151.3	27.733	2.427
3000	1.569	34.678	144.7	27.747	2.660
3500	1.534	34.682	146.8	27.753	2.899
3977	1.512	34.685	150.3	27.756	3.135


CAST CG3-94-DI -106 DATE 03 APR 94 TIME 0421 GMT
LAT 16 29.9S LONG 103 00.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
22
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27
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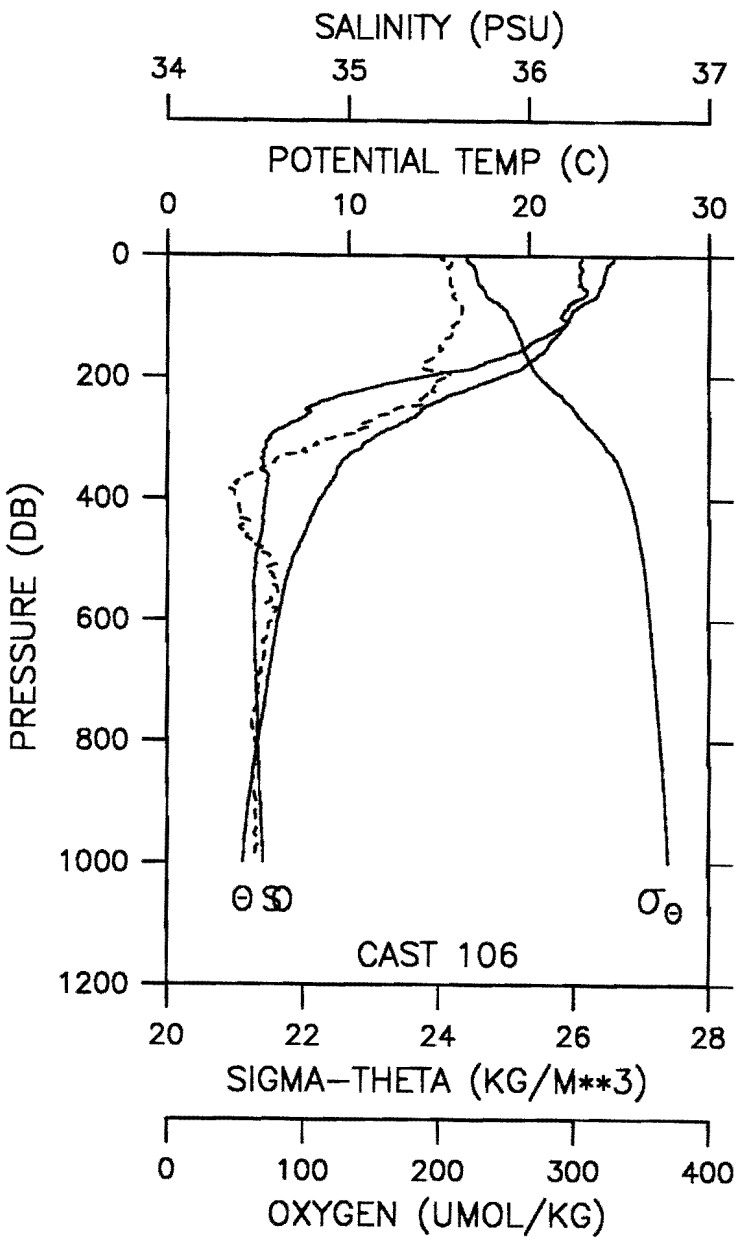
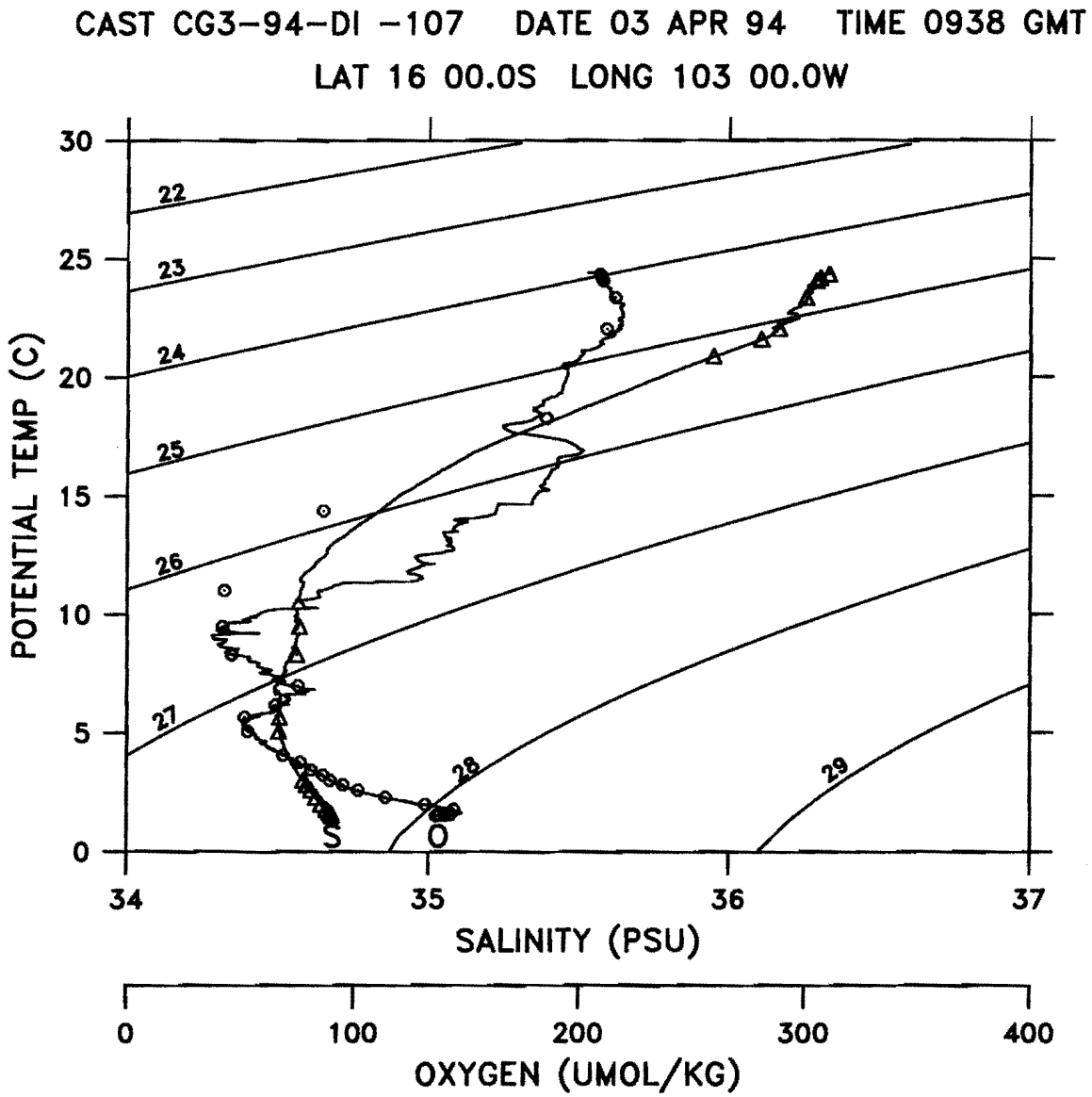
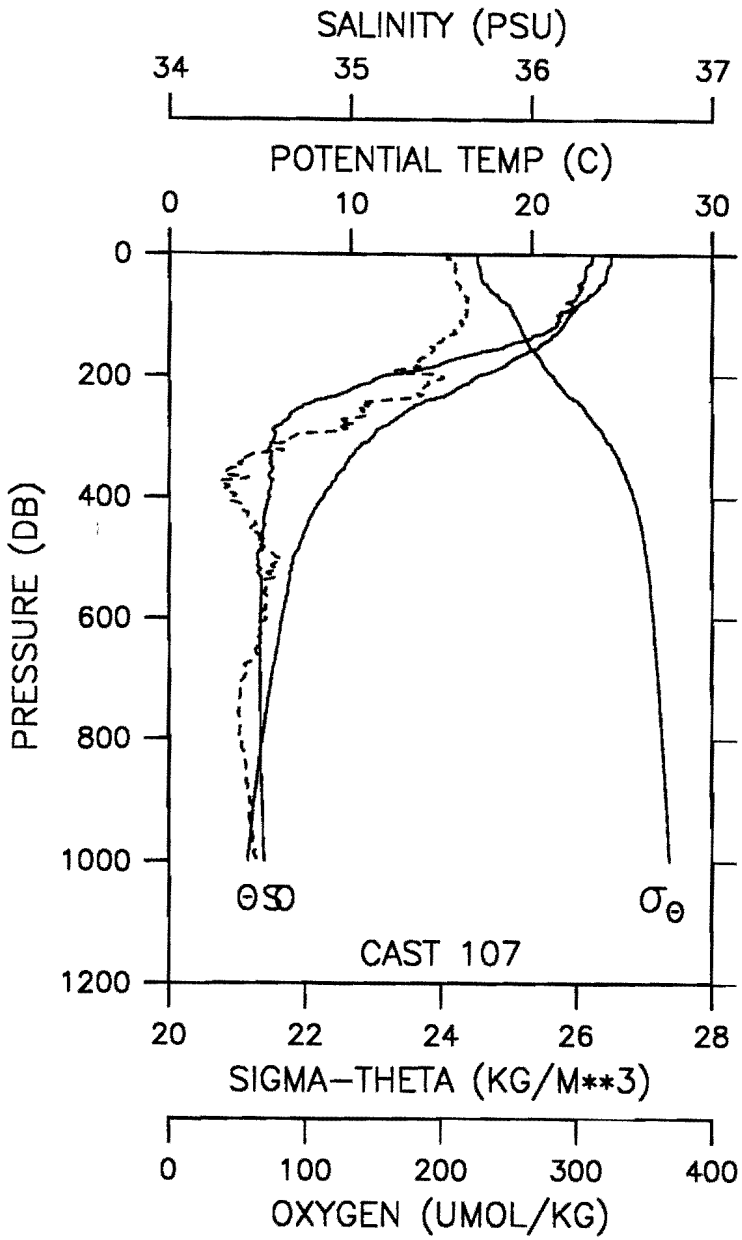
29
S
O
34
35
36
37
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)



CAST CG3-94-DI -106 DATE 03 APR 94 TIME 0421 GMT
LAT 16 29.9S LONG 103 00.0W WEATHER 1 SEA STATE 3
BAROMETER 17 WIND DIR 100 T SPD 09 KT VISIBILITY 8
CLOUD X AMOUNT 1 DRY 23.8 WET 20.0 DEPTH 3114 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.699	36.295	202.8	24.414	0.000
10	24.589	36.281	209.7	24.437	0.035
20	24.300	36.292	206.8	24.532	0.069
30	24.195	36.281	207.9	24.555	0.103
40	24.146	36.283	208.3	24.571	0.137
50	23.996	36.297	209.5	24.627	0.171
60	23.851	36.322	212.2	24.688	0.204
70	23.527	36.276	211.8	24.750	0.236
80	22.929	36.224	216.1	24.885	0.268
90	22.440	36.197	217.0	25.004	0.298
100	22.240	36.176	217.7	25.045	0.328
110	22.104	36.203	212.7	25.104	0.357
120	21.828	36.155	212.2	25.146	0.386
130	21.558	36.100	209.5	25.179	0.414
140	21.208	36.028	202.1	25.221	0.442
150	21.025	35.987	200.4	25.240	0.470
160	20.662	35.907	199.6	25.278	0.498
170	20.206	35.811	194.3	25.327	0.525
180	19.777	35.720	190.3	25.371	0.552
190	19.162	35.576	198.7	25.421	0.579
200	18.332	35.400	205.1	25.497	0.604
250	14.196	34.782	170.8	25.978	0.721
300	11.381	34.565	122.0	26.368	0.817
350	9.378	34.529	70.0	26.688	0.894
400	8.448	34.539	50.2	26.844	0.962
450	7.706	34.524	54.0	26.944	1.023
500	6.896	34.487	77.3	27.029	1.080
550	6.421	34.478	81.1	27.086	1.134
600	6.094	34.480	76.5	27.130	1.186
650	5.817	34.483	72.7	27.168	1.235
700	5.534	34.489	66.9	27.207	1.284
750	5.317	34.498	64.0	27.240	1.330
800	5.011	34.500	64.5	27.278	1.375
900	4.482	34.515	65.3	27.349	1.460
1000	4.163	34.529	65.0	27.395	1.539
1500	2.773	34.594	95.5	27.582	1.881
2000	1.960	34.644	132.9	27.690	2.153
2500	1.664	34.669	147.3	27.732	2.391
3000	1.581	34.677	142.6	27.745	2.625
3156	1.561	34.678	141.8	27.747	2.699


CAST CG3-94-DI -107 DATE 03 APR 94 TIME 0938 GMT
LAT 16 00.0S LONG 103 00.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
22
23
24
25
26
27
28
29
S
O
34
35
36
37
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

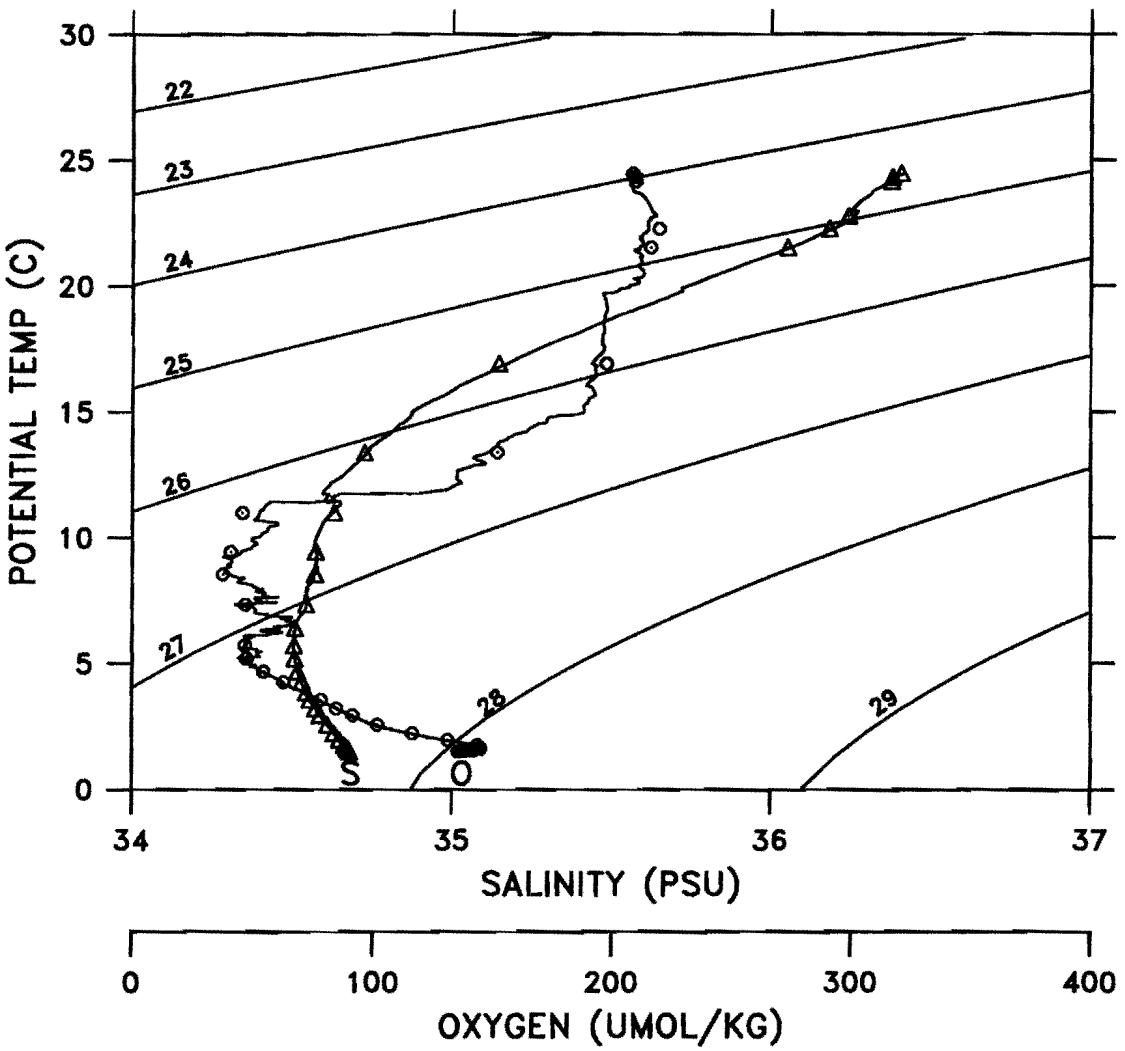


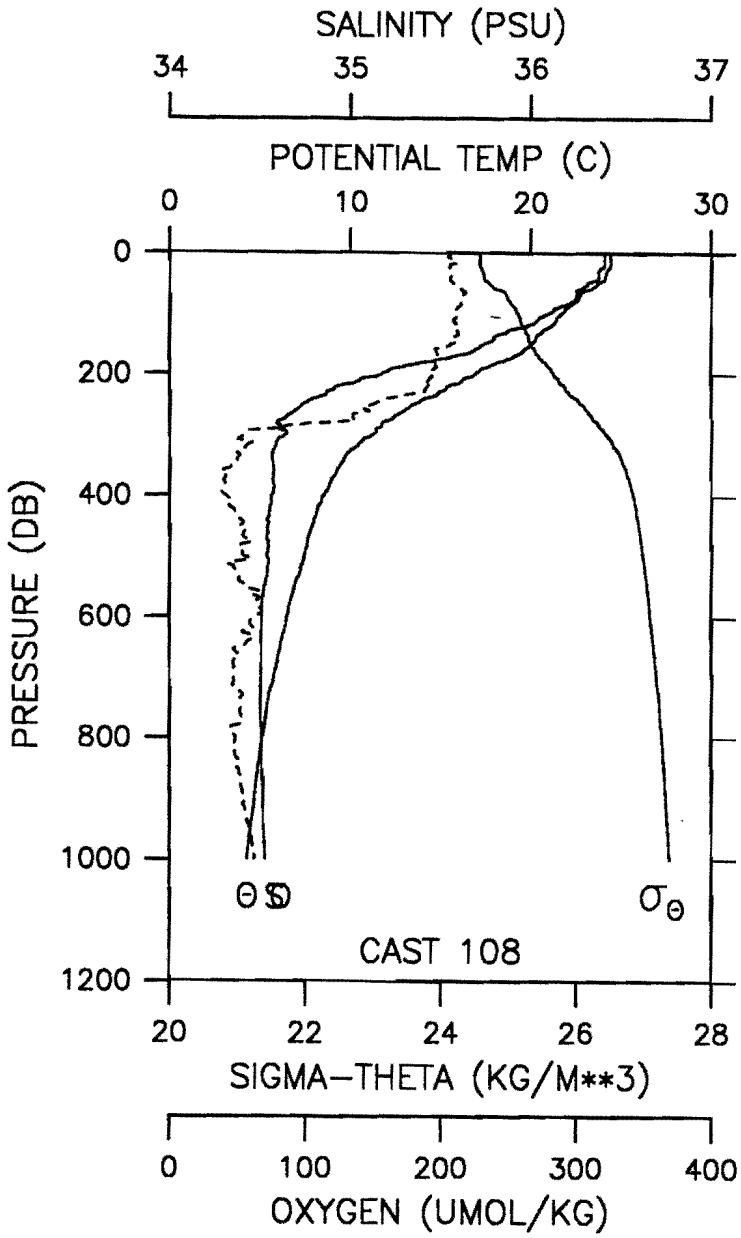
CAST CG3-94-DI -107 DATE 03 APR 94 TIME 0938 GMT
LAT 16 00.0S LONG 103 00.0W WEATHER 1 SEA STATE 2
BAROMETER 15 WIND DIR 090 T SPD 08 KT VISIBILITY 8
CLOUD 6 AMOUNT 3 DRY 23.7 WET 20.0 DEPTH 3785 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.421	36.337	205.5	24.529	0.000
10	24.414	36.334	210.5	24.530	0.034
20	24.249	36.303	209.8	24.555	0.068
30	24.169	36.300	210.3	24.577	0.102
40	24.112	36.294	210.1	24.590	0.135
50	23.745	36.259	213.0	24.672	0.169
60	23.599	36.271	213.9	24.725	0.201
70	23.109	36.248	218.5	24.850	0.233
80	22.673	36.221	219.0	24.956	0.264
90	22.380	36.207	218.0	25.029	0.294
100	22.068	36.147	218.4	25.072	0.323
110	21.874	36.145	215.0	25.125	0.352
120	21.631	36.115	211.2	25.170	0.380
130	21.401	36.065	209.8	25.196	0.409
140	20.951	35.968	201.3	25.246	0.437
150	20.424	35.853	191.6	25.301	0.464
160	19.750	35.722	192.9	25.380	0.491
170	19.078	35.589	185.6	25.452	0.517
180	18.583	35.490	179.3	25.503	0.543
190	18.019	35.377	168.5	25.558	0.568
200	16.990	35.176	199.7	25.653	0.593
250	13.490	34.735	146.1	26.089	0.704
300	11.224	34.579	91.4	26.408	0.795
350	9.683	34.564	53.1	26.666	0.872
400	8.493	34.551	46.7	26.847	0.940
450	7.566	34.521	60.1	26.961	1.001
500	6.824	34.486	79.4	27.038	1.057
550	6.543	34.507	71.0	27.093	1.110
600	6.204	34.504	71.1	27.135	1.162
650	5.934	34.501	64.2	27.167	1.212
700	5.616	34.501	54.8	27.207	1.260
750	5.390	34.502	51.4	27.235	1.307
800	5.136	34.503	53.9	27.266	1.352
900	4.675	34.511	59.1	27.325	1.439
1000	4.326	34.523	64.9	27.372	1.521
1500	2.830	34.592	94.2	27.575	1.867
2000	2.038	34.640	126.5	27.680	2.143
2500	1.654	34.670	146.5	27.734	2.382
3000	1.575	34.676	145.0	27.745	2.615
3500	1.532	34.676	140.5	27.748	2.856
3792	1.519	34.676	137.7	27.749	3.001

CAST CG3-94-DI -108 DATE 03 APR 94 TIME 1538 GMT

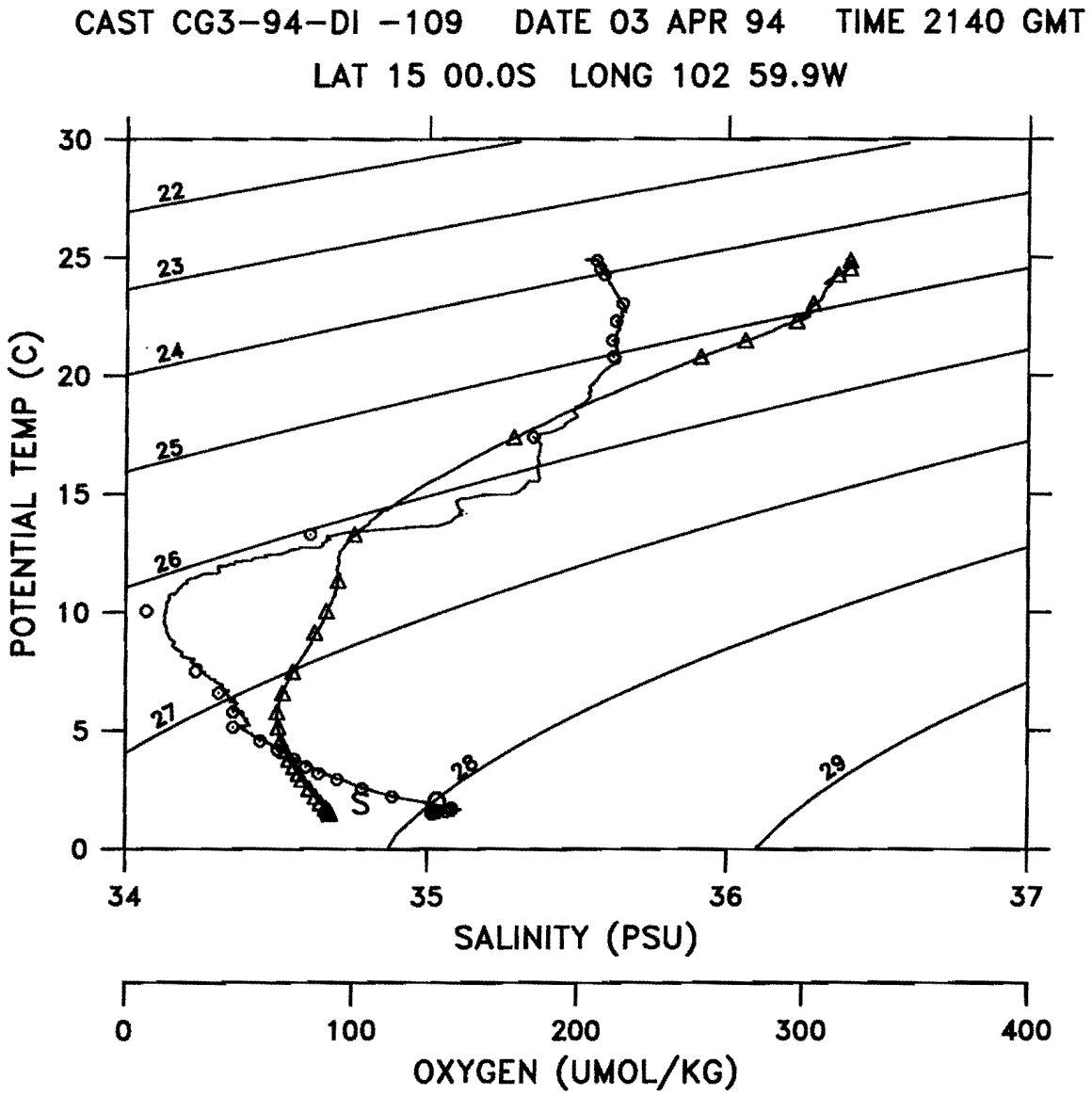
LAT 15 30.1S LONG 103 00.1W

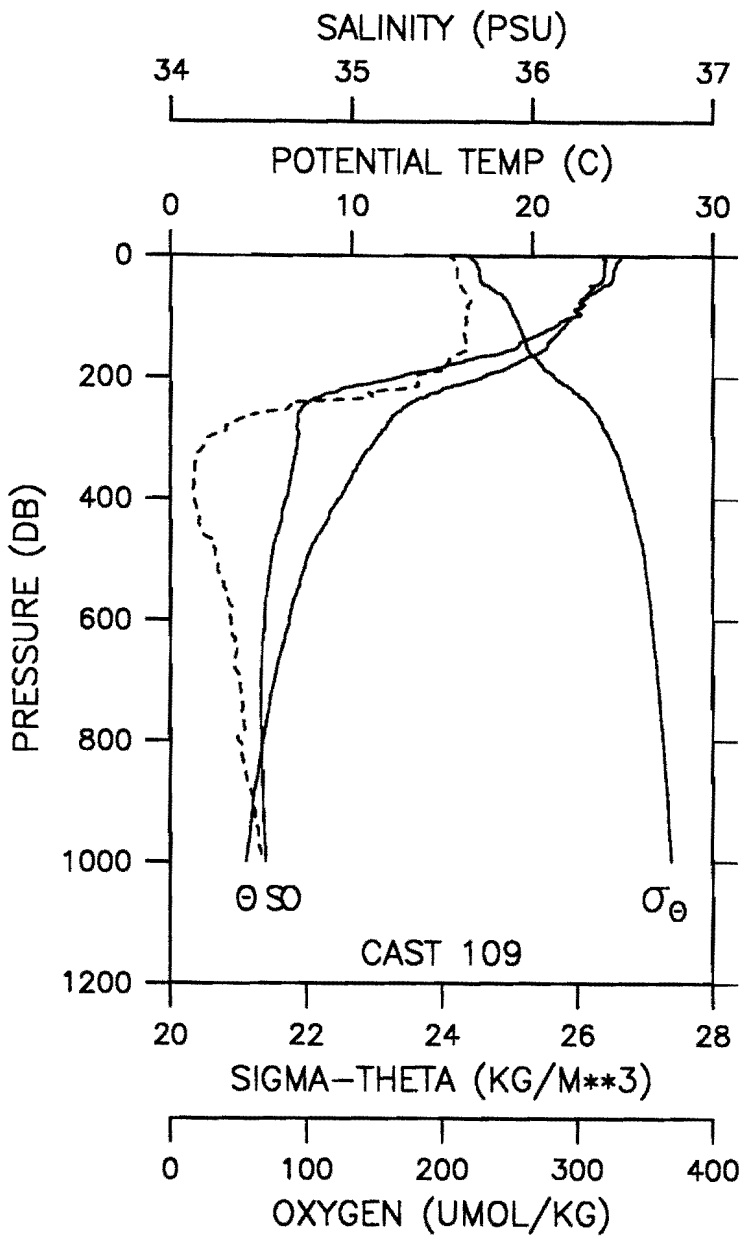




CAST CG3-94-DI -108 DATE 03 APR 94 TIME 1538 GMT
LAT 15 30.1S LONG 103 00.1W WEATHER 1 SEA STATE 3
BAROMETER 16 WIND DIR 105 T SPD 12 KT VISIBILITY 7
CLOUD 8 AMOUNT 5 DRY 24.8 WET 21.2 DEPTH 3727 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.431	36.410	207.3	24.582	0.000
10	24.430	36.409	210.6	24.581	0.033
20	24.428	36.409	207.4	24.582	0.067
30	24.220	36.377	207.5	24.620	0.100
40	24.134	36.375	207.3	24.644	0.134
50	23.702	36.313	209.6	24.726	0.166
60	23.163	36.262	215.6	24.845	0.198
70	22.706	36.255	215.7	24.972	0.229
80	22.454	36.225	214.8	25.022	0.259
90	21.980	36.143	212.2	25.094	0.288
100	21.675	36.092	212.6	25.141	0.317
110	21.418	36.038	209.3	25.171	0.345
120	21.103	35.972	212.2	25.207	0.373
130	20.619	35.868	212.5	25.260	0.401
140	20.273	35.794	208.8	25.296	0.428
150	19.999	35.741	207.2	25.329	0.455
160	19.634	35.691	196.2	25.386	0.482
170	19.130	35.586	197.7	25.437	0.508
180	18.283	35.420	196.5	25.525	0.534
190	17.390	35.251	196.3	25.615	0.559
200	16.920	35.173	191.3	25.667	0.583
250	13.557	34.740	150.4	26.079	0.693
300	11.304	34.647	55.5	26.446	0.784
350	9.445	34.570	45.2	26.709	0.859
400	8.520	34.565	41.1	26.853	0.926
450	7.879	34.541	51.6	26.931	0.987
500	7.444	34.538	56.1	26.992	1.045
550	6.883	34.521	55.8	27.058	1.101
600	6.483	34.507	62.7	27.100	1.154
650	6.102	34.506	51.5	27.150	1.206
700	5.745	34.503	47.4	27.192	1.255
750	5.379	34.502	52.2	27.236	1.302
800	5.125	34.506	48.4	27.270	1.347
900	4.680	34.515	54.1	27.327	1.433
1000	4.270	34.526	61.9	27.381	1.515
1500	2.787	34.594	93.9	27.580	1.858
2000	2.015	34.641	128.7	27.683	2.133
2500	1.654	34.670	146.8	27.734	2.372
3000	1.577	34.676	142.9	27.745	2.605
3500	1.535	34.676	138.2	27.748	2.846
3776	1.516	34.676	137.5	27.749	2.982


CAST CG3-94-DI -109 DATE 03 APR 94 TIME 2140 GMT
LAT 15 00.0S LONG 102 59.9W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
22
23
24
25
26
27
28
29
S
34
35
36
37
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

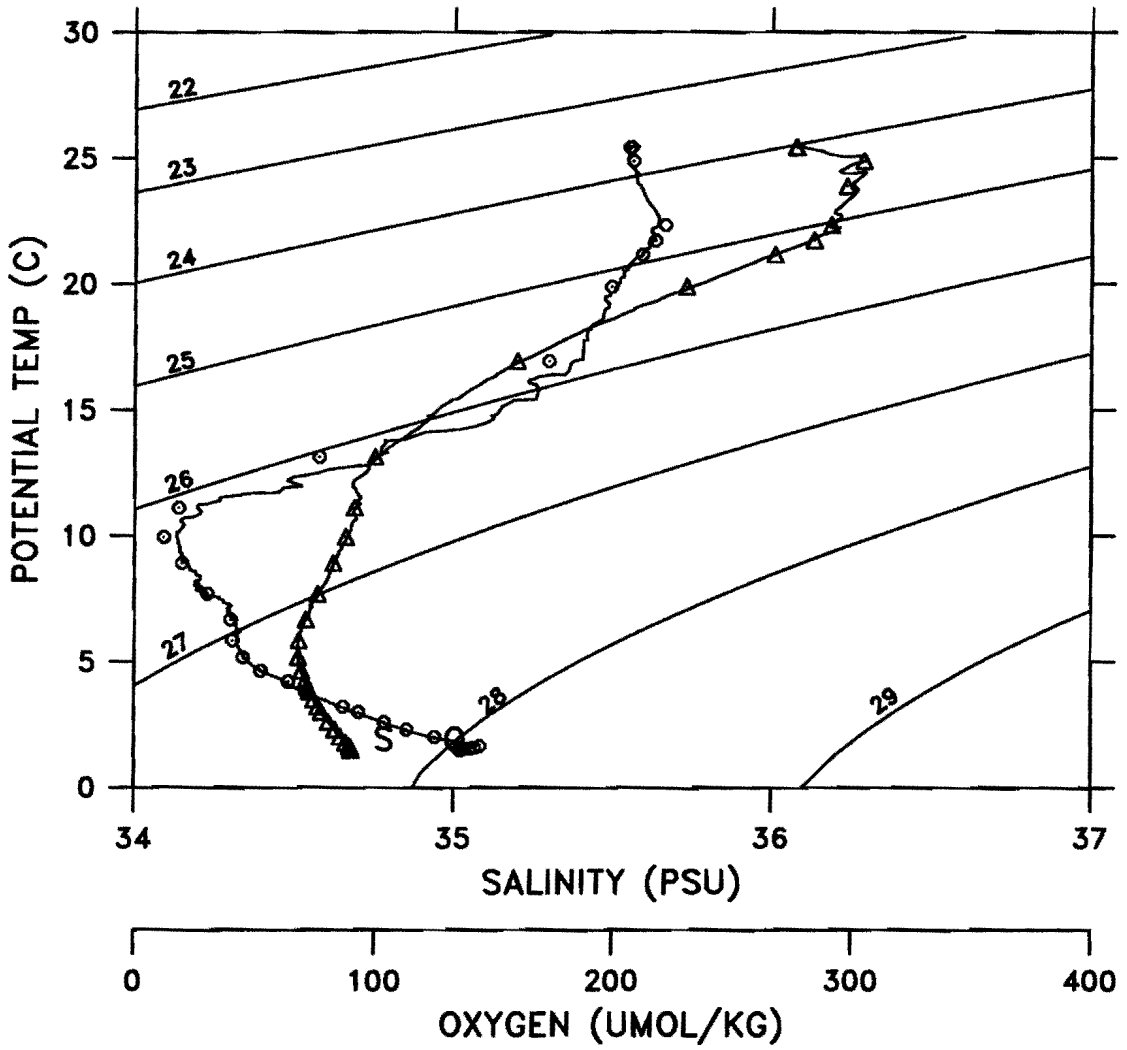


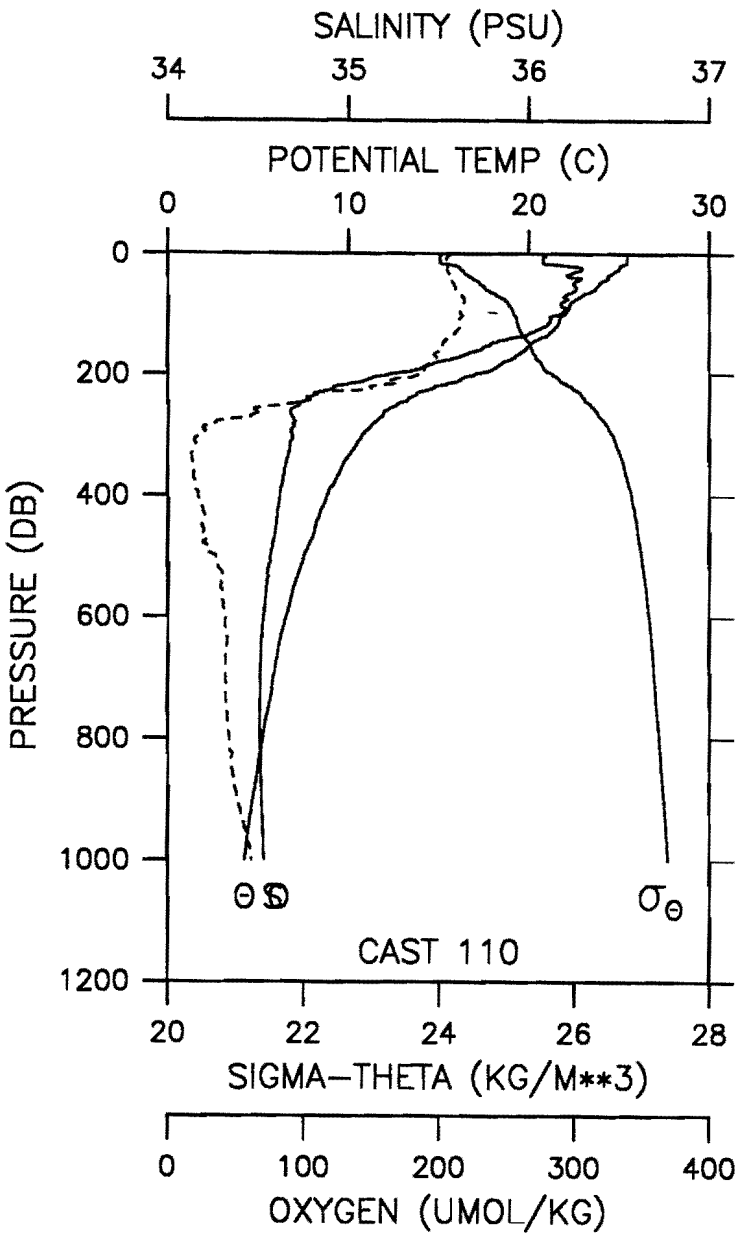
CAST CG3-94-DI -109 DATE 03 APR 94 TIME 2140 GMT
LAT 15 00.0S LONG 102 59.9W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 110 T SPD 12 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 26.1 WET 22.2 DEPTH 4203 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.902	36.392	202.8	24.426	0.000
10	24.701	36.402	209.9	24.494	0.035
20	24.553	36.399	211.0	24.536	0.069
30	24.503	36.397	211.0	24.550	0.103
40	24.434	36.390	211.5	24.566	0.137
50	23.889	36.341	213.5	24.692	0.170
60	23.464	36.314	216.5	24.797	0.202
70	22.908	36.276	220.2	24.930	0.233
80	22.741	36.291	219.5	24.990	0.263
90	22.452	36.235	219.3	25.030	0.293
100	22.272	36.223	218.1	25.072	0.323
110	21.926	36.153	217.9	25.116	0.352
120	21.657	36.101	216.6	25.152	0.380
130	21.358	36.033	216.2	25.183	0.409
140	20.997	35.955	217.3	25.223	0.437
150	20.810	35.918	218.1	25.246	0.465
160	20.354	35.827	213.6	25.300	0.492
170	19.547	35.667	204.8	25.391	0.519
180	18.841	35.534	202.5	25.471	0.545
190	18.170	35.415	197.5	25.549	0.571
200	17.217	35.260	181.8	25.663	0.595
250	12.845	34.726	86.8	26.212	0.700
300	11.395	34.702	27.7	26.472	0.787
350	10.274	34.674	17.9	26.651	0.864
400	9.277	34.637	17.8	26.790	0.934
450	8.392	34.599	23.1	26.900	0.998
500	7.517	34.555	33.0	26.996	1.057
550	7.013	34.534	40.5	27.050	1.113
600	6.570	34.519	44.3	27.099	1.166
650	6.145	34.507	49.0	27.144	1.218
700	5.755	34.501	51.8	27.189	1.267
750	5.428	34.500	52.7	27.229	1.314
800	5.110	34.503	50.2	27.269	1.360
900	4.562	34.513	61.3	27.339	1.446
1000	4.177	34.525	68.6	27.390	1.526
1500	2.794	34.592	99.1	27.578	1.868
2000	1.996	34.642	131.8	27.686	2.142
2500	1.646	34.671	147.0	27.735	2.380
3000	1.562	34.676	141.5	27.746	2.612
3500	1.521	34.676	138.0	27.749	2.851
4000	1.500	34.676	137.4	27.750	3.101
4259	1.496	34.676	137.5	27.751	3.235

CAST CG3-94-DI -110 DATE 04 APR 94 TIME 0353 GMT

LAT 14 30.2S LONG 102 59.4W



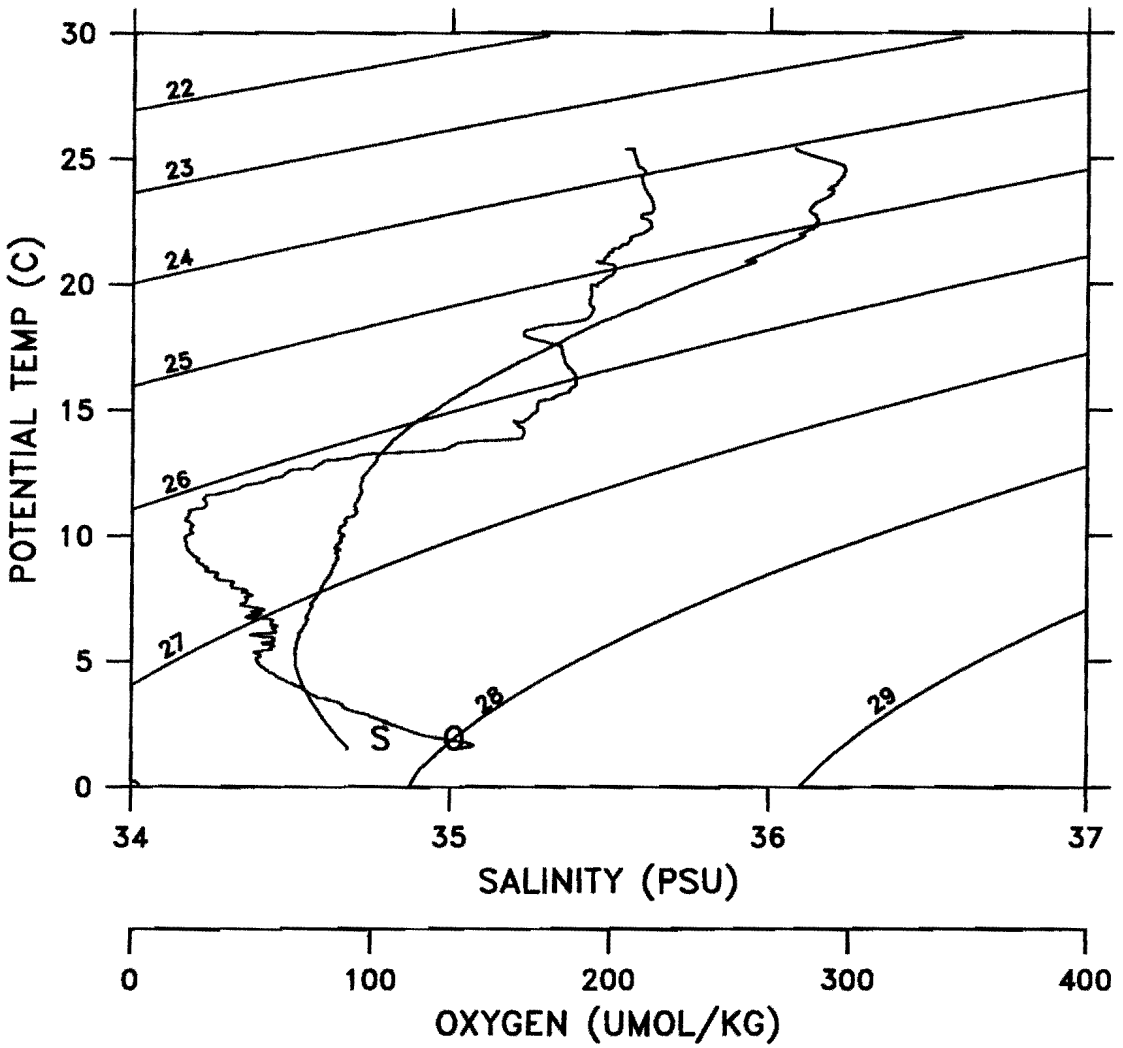


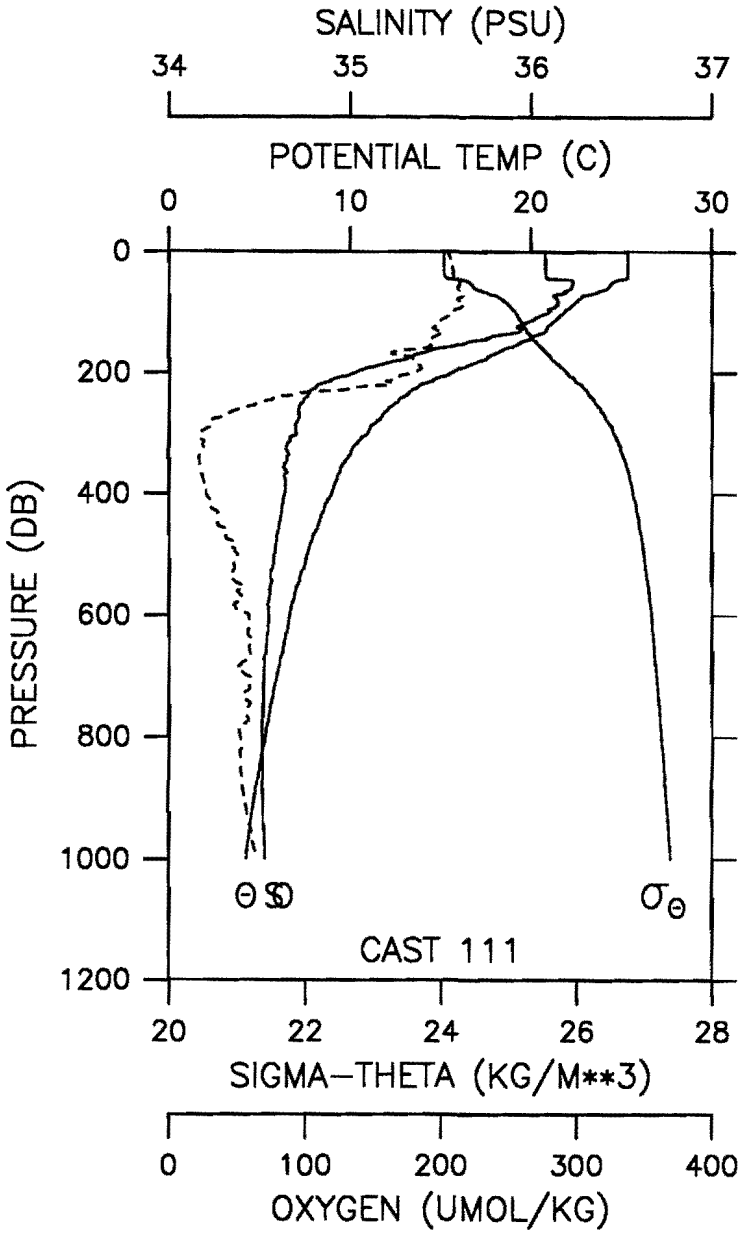
CAST CG3-94-DI -110 DATE 04 APR 94 TIME 0353 GMT
LAT 14 30.2S LONG 102 59.4W WEATHER 1 SEA STATE 4
BAROMETER 15 WIND DIR 110 T SPD 20 KT VISIBILITY 8
CLOUD X AMOUNT 3 DRY 25.0 WET 22.3 DEPTH 3992 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	25.456	36.095	210.4	24.031	0.000
10	25.458	36.079	205.4	24.018	0.039
20	25.058	36.223	206.7	24.250	0.077
30	24.764	36.253	206.7	24.362	0.113
40	24.432	36.291	209.8	24.491	0.149
50	23.913	36.246	211.0	24.612	0.182
60	23.674	36.262	212.2	24.696	0.215
70	22.945	36.199	217.1	24.861	0.247
80	22.368	36.184	219.0	25.015	0.277
90	22.232	36.211	217.3	25.074	0.307
100	22.024	36.177	216.5	25.107	0.336
110	21.699	36.119	215.0	25.155	0.365
120	21.570	36.093	214.8	25.171	0.393
130	21.187	36.015	211.9	25.217	0.421
140	20.622	35.898	206.3	25.282	0.449
150	20.058	35.787	202.9	25.348	0.476
160	19.795	35.732	200.7	25.375	0.503
170	19.290	35.628	197.5	25.428	0.529
180	18.562	35.488	195.0	25.507	0.555
190	18.111	35.402	189.2	25.554	0.580
200	17.008	35.224	187.3	25.686	0.604
250	12.702	34.730	87.4	26.244	0.709
300	10.790	34.689	25.7	26.571	0.792
350	9.680	34.651	18.3	26.734	0.865
400	8.806	34.618	22.0	26.850	0.931
450	8.182	34.598	25.0	26.931	0.993
500	7.549	34.567	35.6	27.000	1.052
550	6.972	34.545	39.0	27.065	1.107
600	6.545	34.528	42.5	27.109	1.160
650	6.123	34.515	42.9	27.154	1.211
700	5.819	34.510	42.4	27.188	1.260
750	5.555	34.508	43.2	27.219	1.308
800	5.253	34.509	45.2	27.257	1.354
900	4.692	34.519	52.1	27.329	1.441
1000	4.240	34.531	61.7	27.388	1.522
1500	2.791	34.595	98.3	27.581	1.862
2000	2.030	34.642	122.6	27.683	2.141
2500	1.650	34.670	142.9	27.734	2.380
3000	1.554	34.676	137.9	27.747	2.612
3500	1.511	34.676	134.0	27.749	2.851
4000	1.492	34.676	134.4	27.751	3.100
4037	1.491	34.676	133.8	27.751	3.119

CAST CG3-94-DI -111 DATE 04 APR 94 TIME 0925 GMT

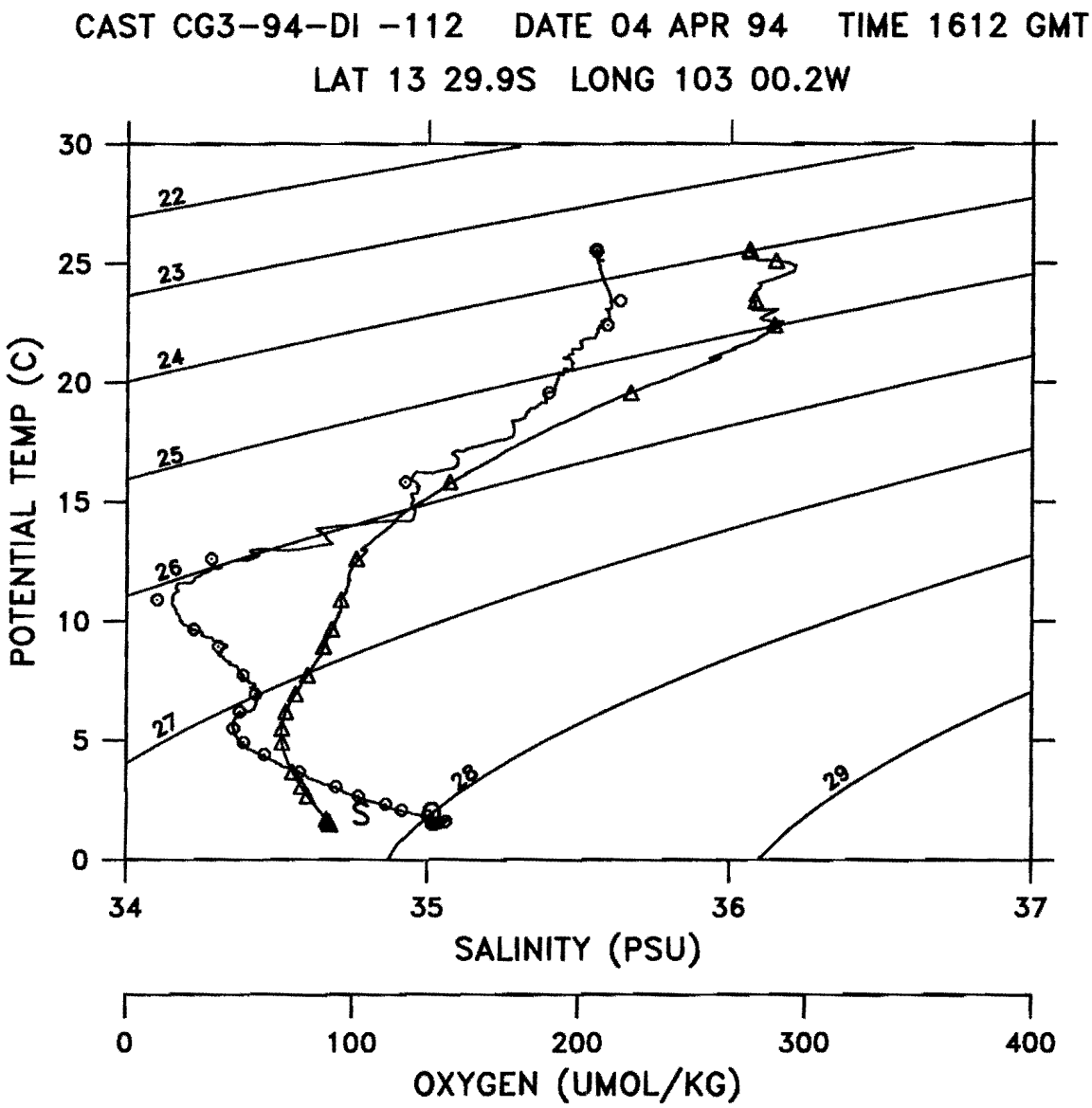
LAT 14 00.0S LONG 102 59.6W

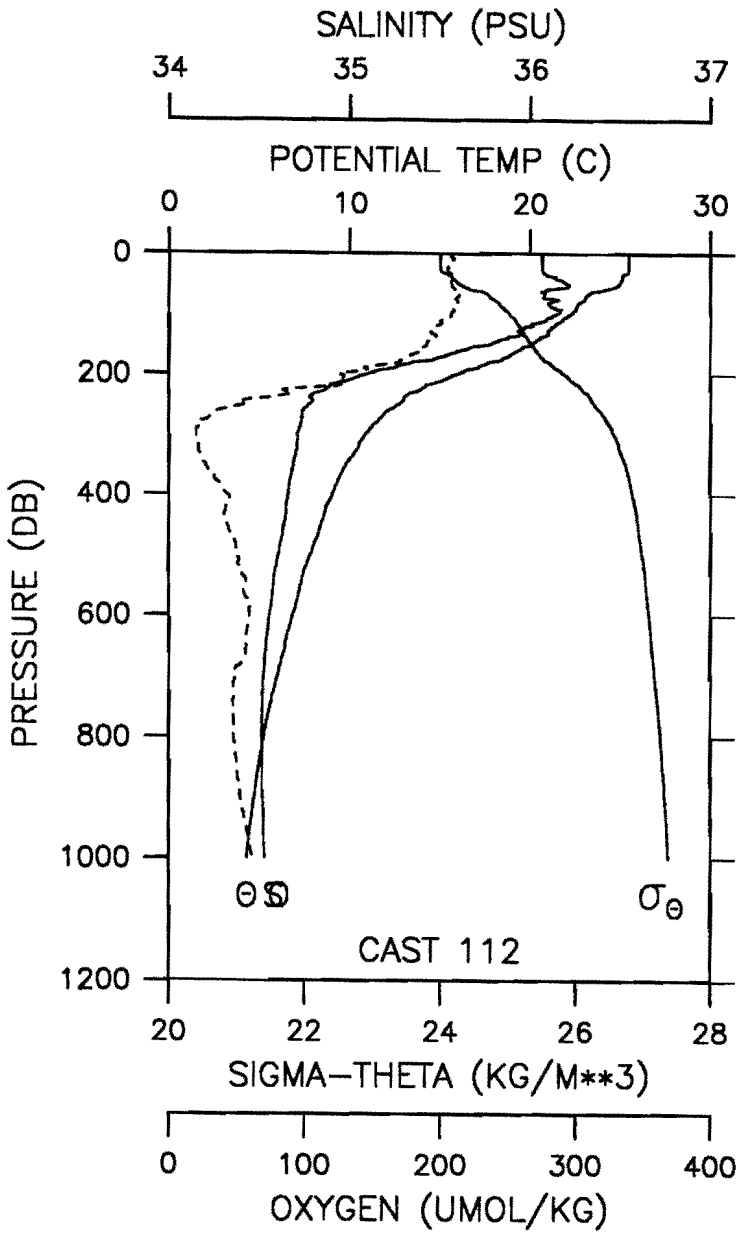




CAST CG3-94-DI -111 DATE 04 APR 94 TIME 0925 GMT
LAT 14 00.0S LONG 102 59.6W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 105 T SPD 16 KT VISIBILITY 9
CLOUD 8 AMOUNT 2 DRY 25.0 WET 22.4 DEPTH 4177 M

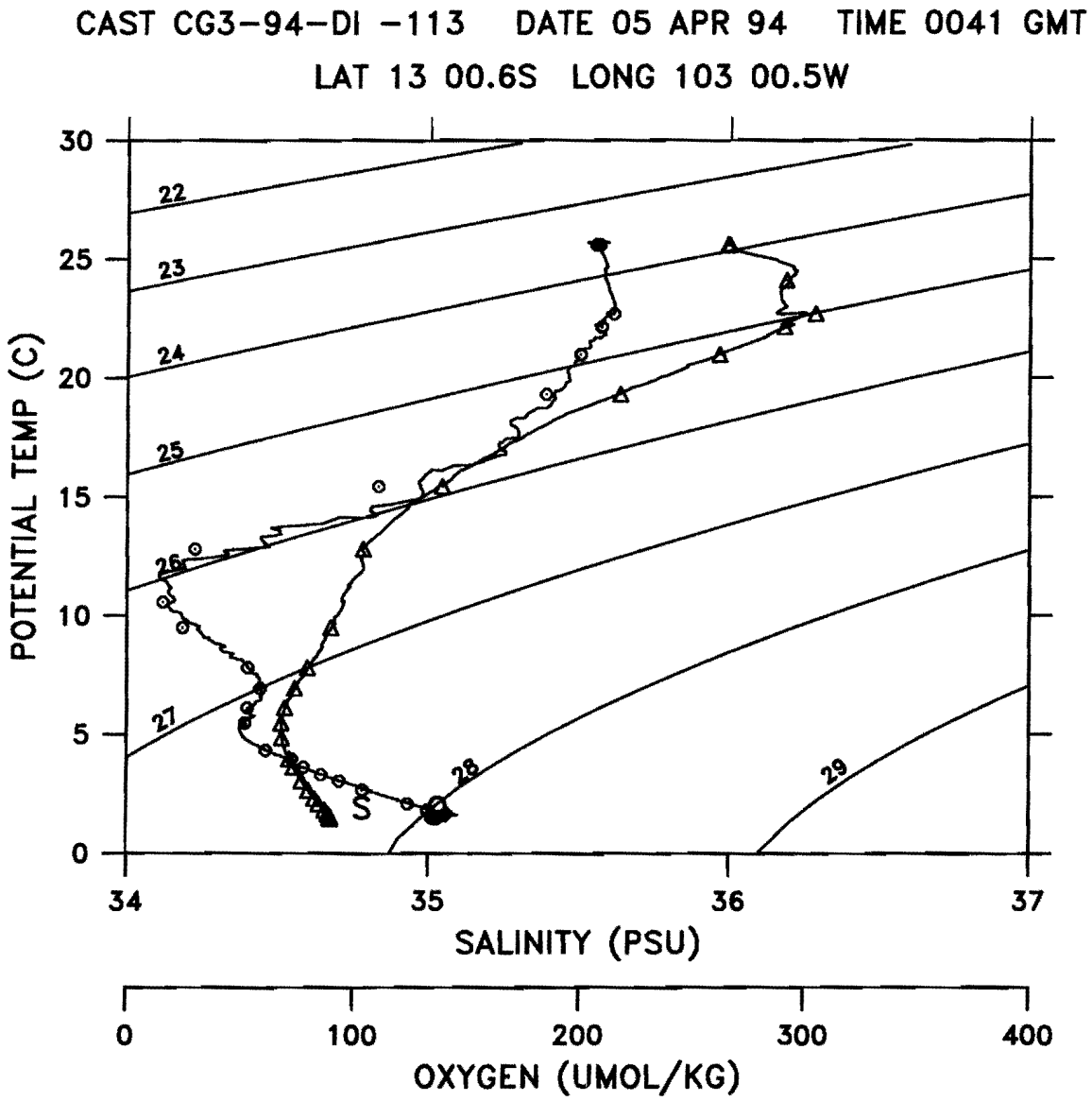
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	25.368	36.079	208.4	24.046	0.000
10	25.376	36.079	207.0	24.044	0.039
20	25.375	36.080	208.8	24.045	0.077
30	25.373	36.080	208.9	24.046	0.116
40	25.345	36.082	209.3	24.055	0.155
50	24.525	36.235	213.7	24.421	0.192
60	24.223	36.222	212.6	24.502	0.227
70	23.244	36.143	217.1	24.731	0.260
80	22.587	36.146	213.7	24.923	0.291
90	22.213	36.135	216.0	25.022	0.321
100	21.838	36.098	207.6	25.099	0.351
110	21.420	36.019	202.8	25.156	0.379
120	21.035	35.947	197.1	25.207	0.408
130	20.809	35.941	197.6	25.264	0.435
140	20.070	35.777	195.3	25.337	0.463
150	19.394	35.643	190.8	25.413	0.489
160	18.545	35.476	187.1	25.502	0.515
170	17.836	35.361	166.8	25.590	0.540
180	17.264	35.274	179.5	25.662	0.564
190	16.384	35.137	185.1	25.765	0.587
200	15.616	35.029	178.7	25.858	0.610
250	12.534	34.734	64.8	26.280	0.708
300	10.942	34.702	24.2	26.555	0.791
350	9.622	34.640	22.6	26.735	0.864
400	8.966	34.639	27.2	26.841	0.930
450	8.244	34.608	36.3	26.930	0.992
500	7.618	34.579	50.1	27.000	1.051
550	7.084	34.560	54.2	27.060	1.106
600	6.654	34.549	58.6	27.111	1.159
650	6.329	34.535	59.1	27.143	1.211
700	5.952	34.522	58.2	27.181	1.260
750	5.579	34.515	58.5	27.222	1.308
800	5.292	34.512	52.1	27.254	1.355
900	4.709	34.516	55.2	27.325	1.442
1000	4.245	34.529	63.9	27.386	1.523
1500	2.797	34.595	99.7	27.580	1.866
2000	2.058	34.640	121.8	27.679	2.145
2500	1.653	34.670	143.3	27.734	2.386
3000	1.555	34.676	138.9	27.746	2.618
3500	1.511	34.676	135.0	27.749	2.857
4000	1.492	34.676	135.2	27.751	3.106
4222	1.490	34.676	135.0	27.751	3.221

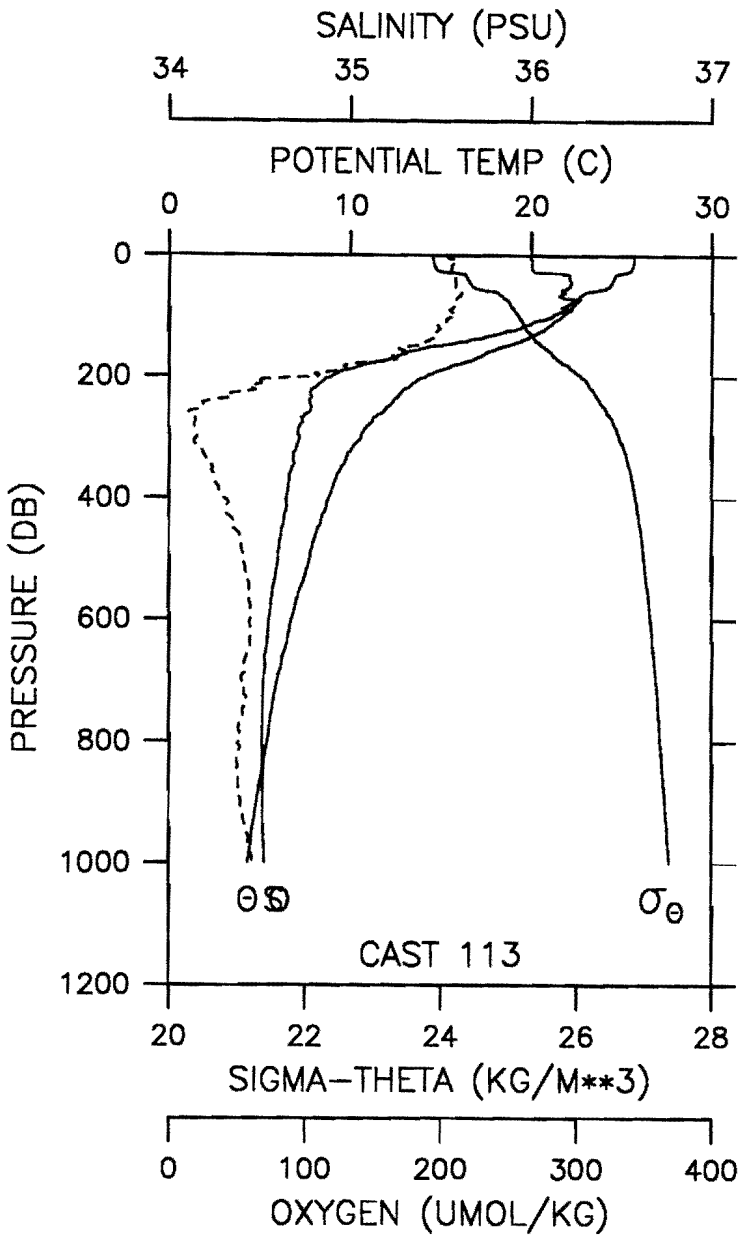

CAST CG3-94-DI -112 DATE 04 APR 94 TIME 1612 GMT
LAT 13 29.9S LONG 103 00.2W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
22
23
24
25
26
27
28
29
S
30
25
20
15
10
5
0
34
35
36
37
0
100
200
300
400



CAST CG3-94-DI -112 DATE 04 APR 94 TIME 1612 GMT
LAT 13 29.9S LONG 103 00.2W WEATHER 1 SEA STATE 4
BAROMETER 15 WIND DIR 125 T SPD 20 KT VISIBILITY 8
CLOUD 8 AMOUNT 6 DRY 26.7 WET 23.6 DEPTH 4127 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	25.473	36.063	208.2	24.001	0.000
10	25.470	36.067	210.2	24.005	0.039
20	25.473	36.066	206.1	24.004	0.078
30	25.443	36.070	205.9	24.016	0.117
40	25.104	36.140	210.1	24.173	0.155
50	24.957	36.202	208.3	24.265	0.192
60	24.128	36.099	211.0	24.437	0.228
70	23.113	36.077	213.8	24.719	0.262
80	22.815	36.118	212.7	24.837	0.294
90	22.526	36.137	210.2	24.935	0.325
100	22.252	36.147	208.2	25.020	0.355
110	21.798	36.089	201.9	25.104	0.384
120	21.390	36.016	196.7	25.162	0.413
130	21.003	35.943	192.8	25.212	0.441
140	20.532	35.869	195.5	25.284	0.469
150	20.097	35.781	190.2	25.333	0.496
160	19.351	35.626	184.9	25.411	0.522
170	18.772	35.526	177.5	25.482	0.548
180	17.726	35.352	170.7	25.610	0.573
190	17.039	35.247	143.8	25.696	0.597
200	15.981	35.100	125.7	25.830	0.620
250	12.750	34.783	58.5	26.275	0.719
300	10.887	34.710	20.3	26.570	0.802
350	9.810	34.689	26.8	26.742	0.874
400	9.046	34.659	42.6	26.844	0.940
450	8.427	34.636	43.0	26.923	1.002
500	7.841	34.607	49.6	26.989	1.061
550	7.301	34.578	56.9	27.045	1.117
600	6.853	34.557	59.2	27.090	1.172
650	6.418	34.538	57.0	27.134	1.223
700	6.010	34.524	48.8	27.175	1.274
750	5.589	34.516	47.5	27.222	1.322
800	5.256	34.515	48.1	27.261	1.368
900	4.740	34.520	52.5	27.324	1.455
1000	4.313	34.530	61.4	27.379	1.536
1500	2.865	34.592	96.0	27.572	1.883
2000	2.081	34.639	120.6	27.676	2.163
2500	1.653	34.670	142.9	27.734	2.405
3000	1.553	34.676	137.0	27.746	2.637
3500	1.507	34.676	134.2	27.749	2.876
4000	1.485	34.676	135.0	27.751	3.125
4183	1.483	34.676	135.2	27.751	3.219


CAST CG3-94-DI -113 DATE 05 APR 94 TIME 0041 GMT
LAT 13 00.6S LONG 103 00.5W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
22
23
24
25
26
27
28
29
S
34
35
36
37
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

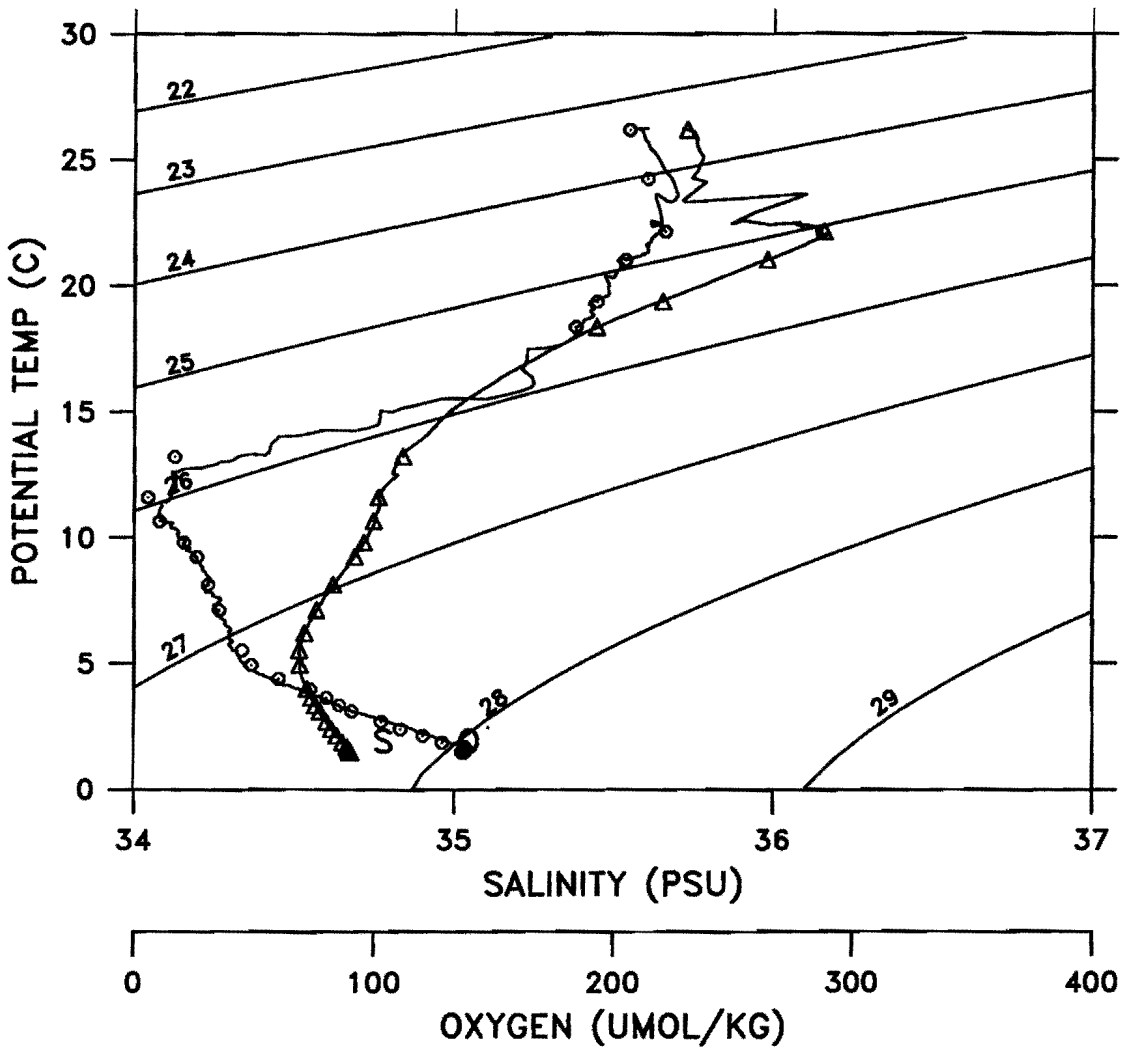


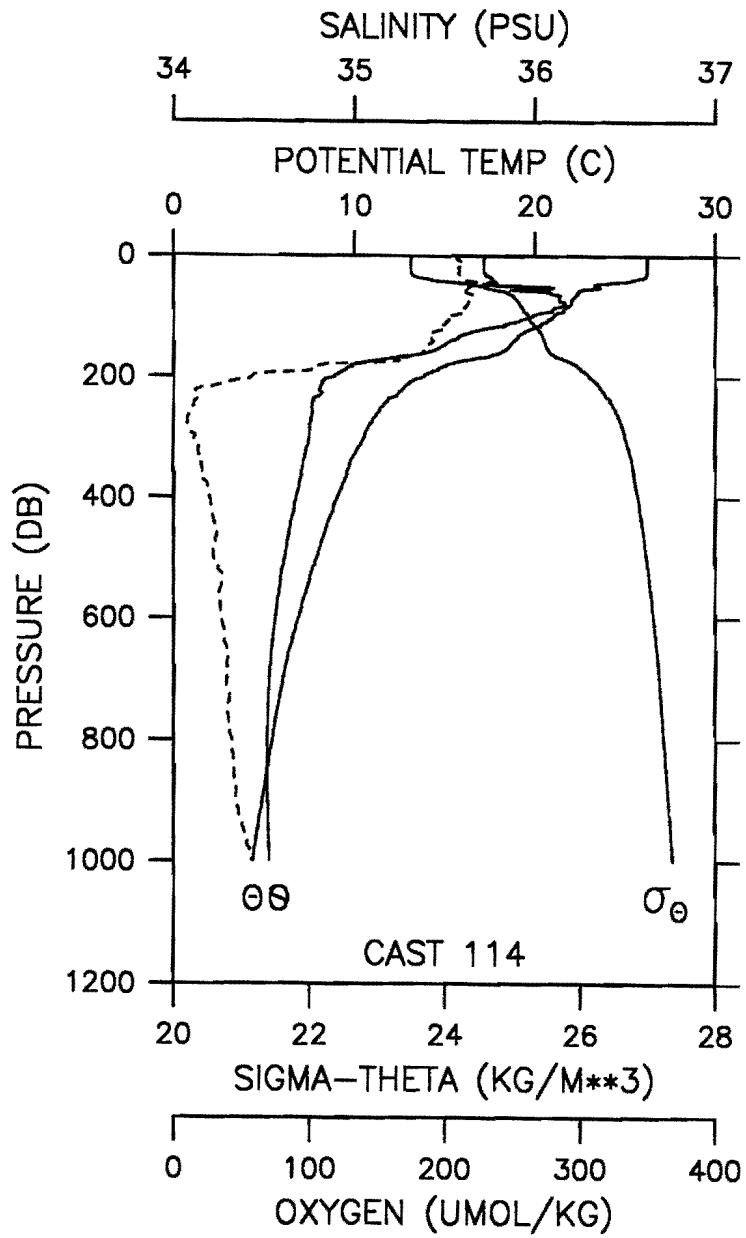
CAST CG3-94-DI -113 DATE 05 APR 94 TIME 0041 GMT
LAT 13 00.6S LONG 103 00.5W WEATHER 2 SEA STATE 4
BAROMETER 12 WIND DIR 120 T SPD 15 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 25.0 WET 22.5 DEPTH 4320 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	25.702	35.998	203.1	23.881	0.000
10	25.704	36.005	212.3	23.886	0.040
20	25.600	36.005	208.0	23.918	0.080
30	24.885	36.162	211.0	24.257	0.119
40	24.549	36.214	210.7	24.398	0.155
50	24.357	36.213	210.7	24.455	0.190
60	23.058	36.183	215.2	24.816	0.224
70	22.680	36.181	212.2	24.924	0.255
80	22.428	36.210	209.7	25.018	0.285
90	22.228	36.212	206.5	25.076	0.314
100	21.721	36.120	209.6	25.149	0.343
110	21.240	36.014	202.3	25.202	0.371
120	20.889	35.946	198.6	25.246	0.399
130	20.246	35.816	194.5	25.321	0.426
140	19.506	35.659	191.4	25.396	0.453
150	18.522	35.460	177.1	25.495	0.479
160	17.527	35.311	173.0	25.628	0.504
170	16.927	35.228	166.9	25.708	0.527
180	15.903	35.083	131.3	25.834	0.550
190	14.913	34.966	129.1	25.966	0.572
200	14.187	34.897	109.3	26.069	0.592
250	12.051	34.781	25.6	26.410	0.683
300	10.590	34.719	20.7	26.631	0.762
350	9.494	34.677	32.1	26.785	0.831
400	8.811	34.647	39.7	26.872	0.895
450	8.214	34.623	46.3	26.946	0.956
500	7.752	34.600	54.4	26.997	1.014
550	7.220	34.570	58.9	27.050	1.071
600	6.763	34.551	59.6	27.098	1.124
650	6.416	34.535	58.7	27.132	1.176
700	5.977	34.523	53.3	27.179	1.226
750	5.666	34.518	53.5	27.214	1.274
800	5.430	34.515	51.5	27.240	1.321
900	4.833	34.517	52.6	27.312	1.410
1000	4.335	34.527	61.6	27.375	1.493
1500	2.837	34.594	101.6	27.576	1.840
2000	2.111	34.637	125.1	27.672	2.121
2500	1.673	34.668	143.3	27.731	2.365
3000	1.553	34.675	140.3	27.746	2.598
3500	1.499	34.676	137.4	27.750	2.836
4000	1.481	34.676	137.1	27.752	3.084
4347	1.478	34.676	137.3	27.752	3.263

CAST CG3-94-DI -114 DATE 05 APR 94 TIME 0649 GMT

LAT 12 30.1S LONG 103 00.1W



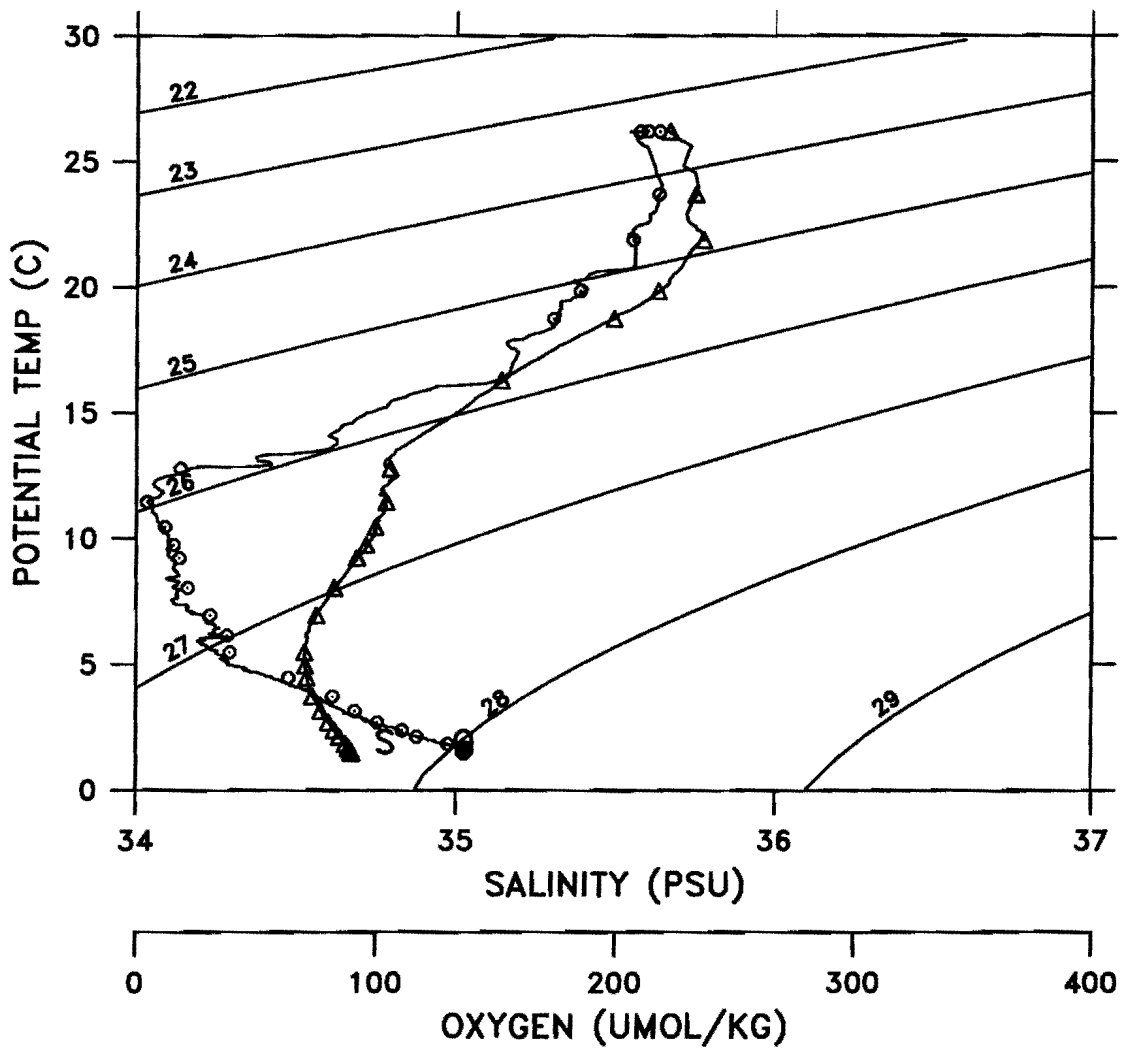


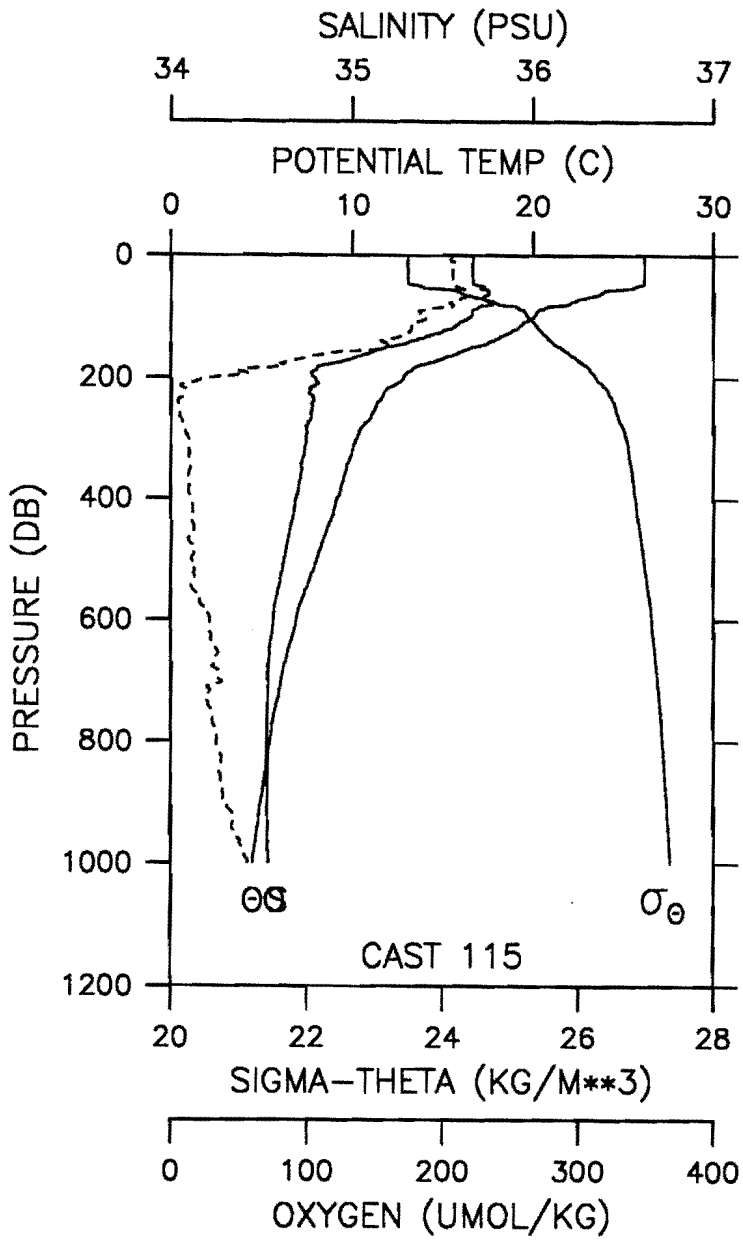
CAST CG3-94-DI -114 DATE 05 APR 94 TIME 0649 GMT
LAT 12 30.1S LONG 103 00.1W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 115 T SPD 16 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 25.2 WET 22.3 DEPTH 4184 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	26.240	35.722	208.6	23.505	0.000
10	26.241	35.715	212.9	23.500	0.044
20	26.236	35.716	210.4	23.501	0.088
30	26.206	35.725	210.4	23.518	0.131
40	25.391	35.765	215.3	23.802	0.174
50	23.484	35.937	219.9	24.505	0.212
60	22.422	36.069	215.5	24.912	0.244
70	22.138	36.133	219.3	25.042	0.274
80	21.999	36.169	217.4	25.108	0.303
90	21.589	36.094	214.5	25.166	0.332
100	21.077	35.992	202.0	25.230	0.360
110	20.603	35.892	201.5	25.282	0.387
120	19.858	35.742	197.5	25.367	0.414
130	19.190	35.606	190.2	25.437	0.440
140	18.835	35.537	191.2	25.475	0.466
150	18.557	35.484	187.2	25.505	0.491
160	18.101	35.402	184.8	25.556	0.516
170	16.682	35.192	161.4	25.738	0.541
180	15.133	34.997	111.3	25.941	0.563
190	14.482	34.944	101.5	26.042	0.583
200	13.819	34.888	58.0	26.139	0.603
250	11.546	34.764	14.6	26.492	0.690
300	10.554	34.751	16.0	26.662	0.765
350	9.699	34.714	20.7	26.780	0.834
400	9.037	34.678	26.6	26.860	0.899
450	8.452	34.644	30.6	26.925	0.961
500	7.933	34.615	29.3	26.982	1.020
550	7.392	34.587	34.9	27.038	1.076
600	6.895	34.562	35.3	27.088	1.130
650	6.442	34.542	39.6	27.134	1.183
700	6.043	34.528	39.4	27.175	1.233
750	5.733	34.522	39.4	27.209	1.281
800	5.457	34.519	43.1	27.240	1.328
900	4.887	34.520	46.1	27.308	1.418
1000	4.371	34.529	57.6	27.372	1.501
1500	2.847	34.593	100.7	27.575	1.845
2000	2.121	34.637	124.1	27.671	2.126
2500	1.671	34.668	141.4	27.731	2.372
3000	1.551	34.676	140.6	27.746	2.605
3500	1.502	34.676	138.7	27.750	2.843
4000	1.480	34.676	138.9	27.752	3.091
4225	1.480	34.676	139.4	27.752	3.207

CAST CG3-94-DI -115 DATE 05 APR 94 TIME 1338 GMT

LAT 12 00.1S LONG 103 00.1W



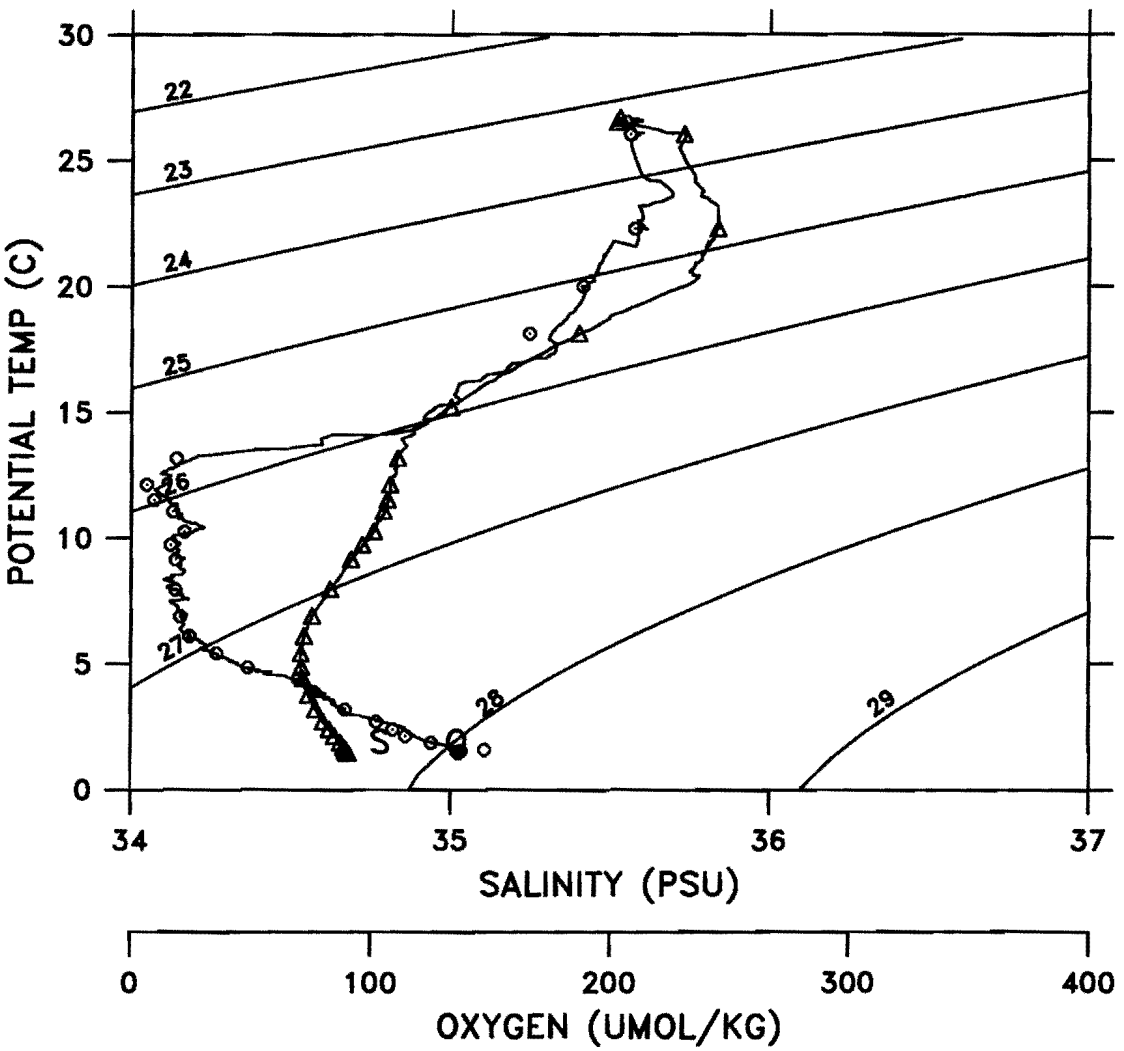


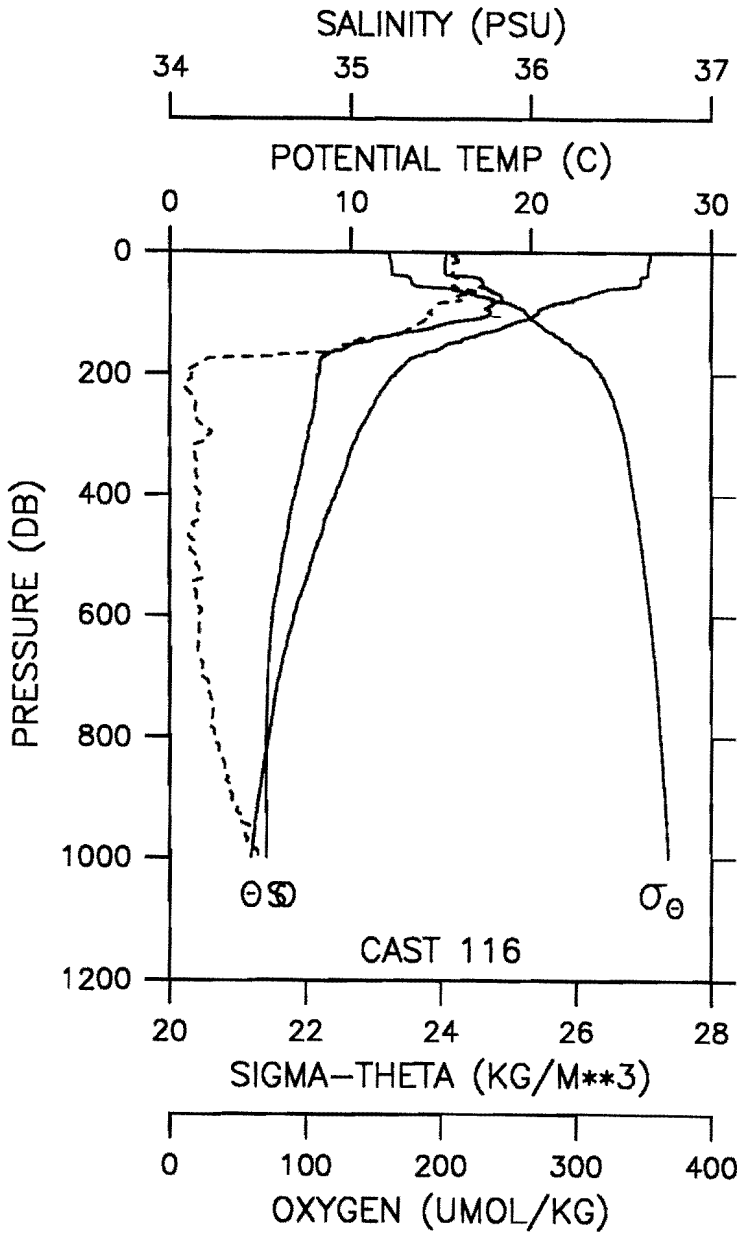
CAST CG3-94-DI -115 DATE 05 APR 94 TIME 1338 GMT
LAT 12 00.1S LONG 103 00.1W WEATHER 2 SEA STATE 3
BAROMETER 12 WIND DIR 138 T SPD 16 KT VISIBILITY 7
CLOUD 6 AMOUNT 7 DRY 25.7 WET 22.9 DEPTH 4352 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	26.168	35.670	207.2	23.489	0.000
10	26.163	35.666	207.7	23.487	0.044
20	26.174	35.666	207.6	23.483	0.088
30	26.174	35.666	207.4	23.483	0.132
40	26.165	35.666	207.4	23.486	0.176
50	25.764	35.710	209.3	23.645	0.220
60	23.870	35.753	218.8	24.252	0.260
70	22.883	35.718	213.8	24.513	0.296
80	21.939	35.776	207.6	24.826	0.328
90	20.279	35.664	185.9	25.196	0.357
100	20.037	35.655	186.8	25.253	0.385
110	19.459	35.592	179.7	25.356	0.412
120	19.134	35.551	176.8	25.409	0.438
130	18.367	35.434	173.4	25.514	0.464
140	17.667	35.323	154.7	25.603	0.489
150	16.607	35.181	155.7	25.747	0.512
160	15.818	35.092	116.9	25.861	0.535
170	14.865	34.985	93.6	25.991	0.556
180	13.693	34.839	82.3	26.127	0.576
190	13.095	34.779	50.5	26.203	0.595
200	12.848	34.795	30.7	26.265	0.613
250	11.268	34.779	6.2	26.555	0.695
300	10.252	34.747	12.9	26.712	0.768
350	9.673	34.721	14.6	26.789	0.836
400	9.160	34.689	15.0	26.850	0.901
450	8.628	34.657	17.1	26.909	0.964
500	8.045	34.623	15.3	26.971	1.024
550	7.414	34.589	15.8	27.037	1.081
600	6.909	34.564	28.5	27.088	1.135
650	6.454	34.542	33.7	27.132	1.188
700	6.072	34.537	36.5	27.178	1.238
750	5.732	34.531	29.8	27.216	1.286
800	5.461	34.529	33.6	27.248	1.333
900	4.945	34.531	40.9	27.310	1.422
1000	4.515	34.536	56.0	27.362	1.506
1500	2.905	34.590	93.7	27.567	1.862
2000	2.159	34.635	115.8	27.667	2.146
2500	1.691	34.667	137.0	27.729	2.394
3000	1.544	34.675	136.9	27.746	2.627
3500	1.498	34.676	135.7	27.750	2.866
4000	1.480	34.676	136.7	27.752	3.113
4436	1.479	34.676	136.5	27.752	3.339

CAST CG3-94-DI -116 DATE 05 APR 94 TIME 2026 GMT

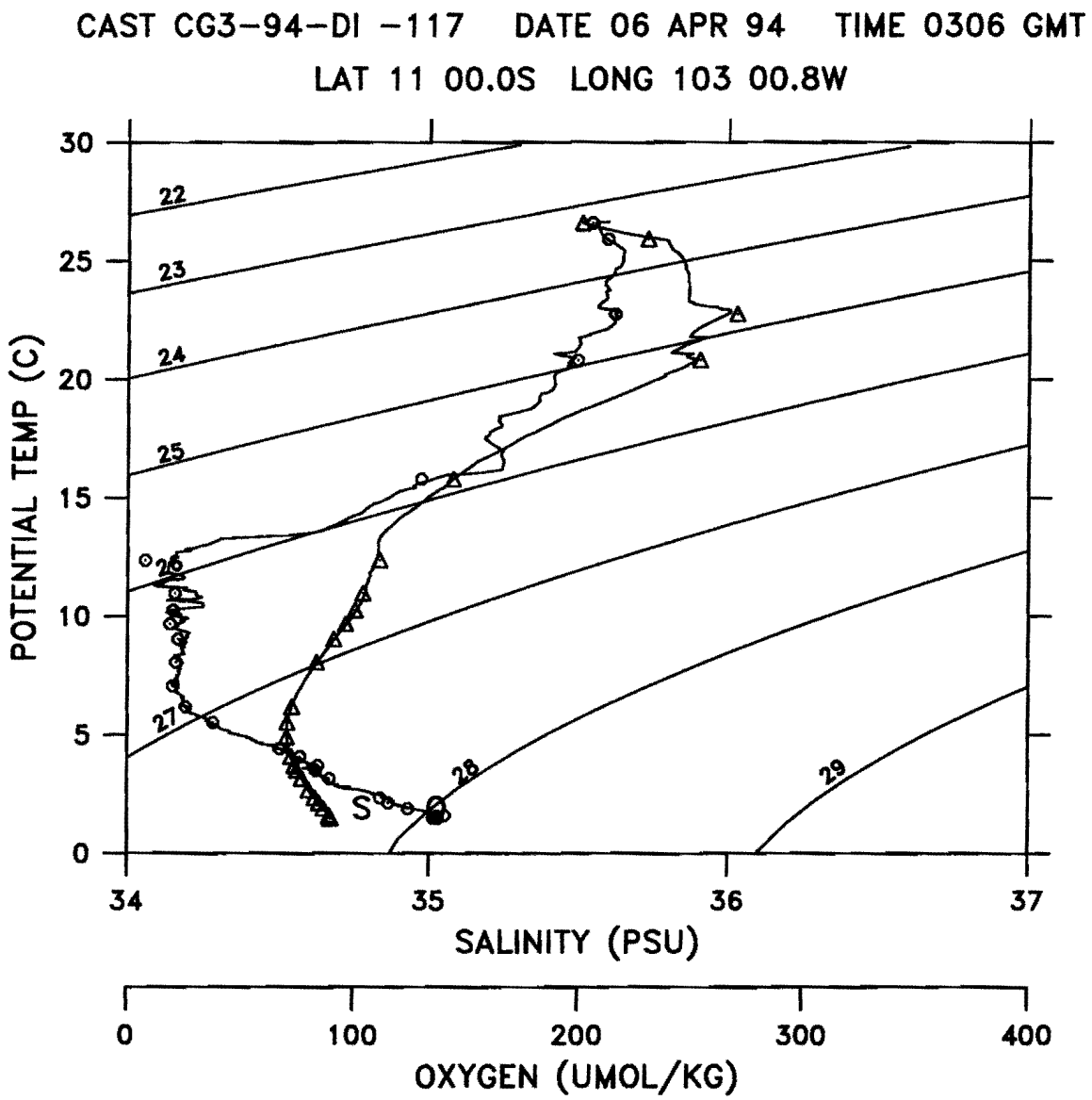
LAT 11 30.3S LONG 103 00.0W

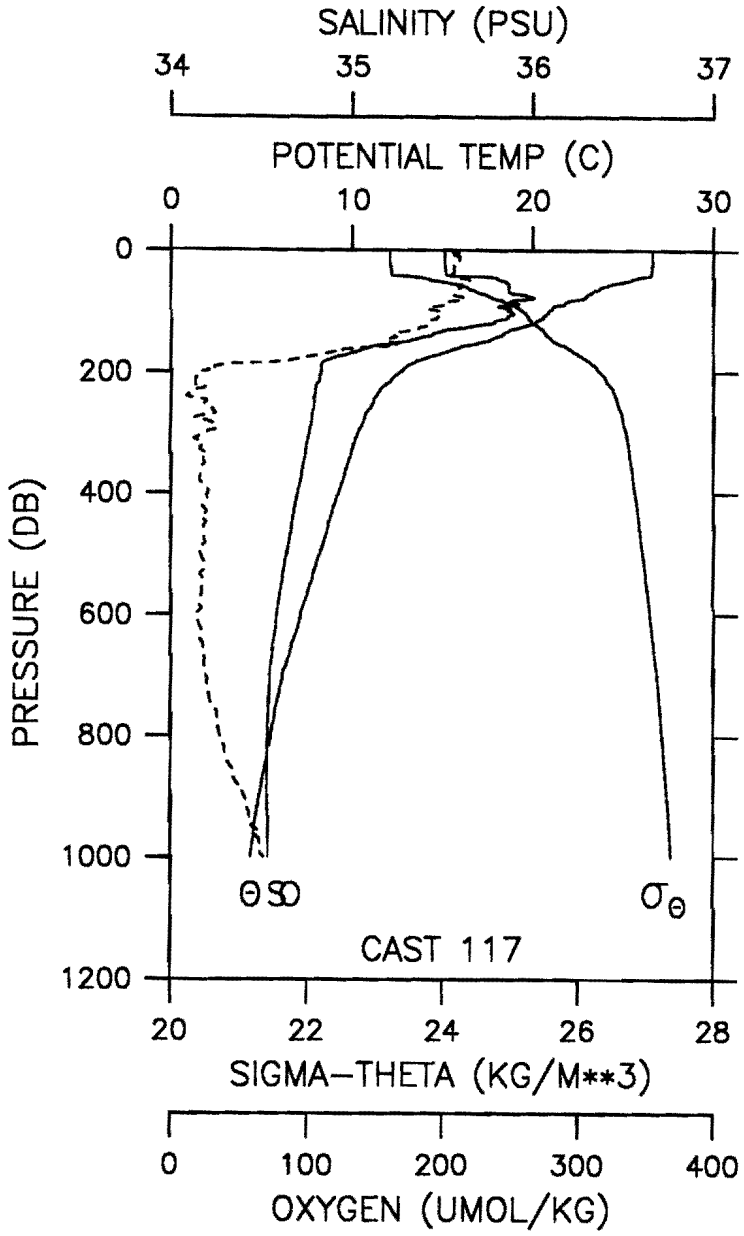




CAST CG3-94-DI -116 DATE 05 APR 94 TIME 2026 GMT
LAT 11 30.3S LONG 103 00.0W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 125 T SPD 17 KT VISIBILITY 8
CLOUD 8 AMOUNT 5 DRY 26.6 WET 23.2 DEPTH 4096 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	26.623	35.529	209.2	23.239	0.000
10	26.600	35.526	210.5	23.243	0.046
20	26.518	35.523	208.9	23.267	0.092
30	26.504	35.523	209.1	23.271	0.139
40	26.094	35.671	210.4	23.512	0.184
50	26.079	35.734	211.9	23.564	0.228
60	24.258	35.764	214.5	24.145	0.270
70	23.200	35.831	215.2	24.508	0.306
80	22.355	35.832	211.4	24.751	0.339
90	20.874	35.765	195.1	25.112	0.369
100	20.332	35.773	190.5	25.264	0.397
110	19.807	35.684	189.0	25.336	0.424
120	18.679	35.493	181.4	25.481	0.450
130	17.739	35.344	176.6	25.601	0.475
140	16.541	35.169	152.4	25.754	0.498
150	15.478	35.033	137.0	25.892	0.520
160	14.885	34.960	122.4	25.967	0.541
170	13.697	34.856	79.7	26.140	0.562
180	13.110	34.829	24.8	26.239	0.580
190	12.748	34.829	17.0	26.311	0.598
200	12.481	34.825	16.4	26.360	0.615
250	11.302	34.799	19.1	26.564	0.696
300	10.375	34.765	29.3	26.704	0.768
350	9.791	34.731	20.3	26.778	0.837
400	9.149	34.690	21.9	26.852	0.902
450	8.497	34.656	16.7	26.928	0.964
500	7.929	34.623	19.0	26.988	1.023
550	7.414	34.594	16.8	27.041	1.079
600	6.859	34.566	21.3	27.097	1.133
650	6.451	34.553	21.1	27.141	1.185
700	6.038	34.542	23.6	27.186	1.235
750	5.741	34.537	31.9	27.219	1.282
800	5.480	34.534	34.0	27.249	1.329
900	4.912	34.532	46.0	27.314	1.418
1000	4.482	34.536	65.2	27.365	1.501
1500	2.912	34.590	96.5	27.566	1.858
2000	2.153	34.637	117.6	27.668	2.142
2500	1.706	34.666	134.6	27.727	2.390
3000	1.555	34.675	135.9	27.745	2.625
3500	1.492	34.676	134.8	27.751	2.864
4000	1.478	34.676	135.1	27.752	3.111
4140	1.477	34.677	135.7	27.752	3.182


CAST CG3-94-DI -117 DATE 06 APR 94 TIME 0306 GMT
LAT 11 00.0S LONG 103 00.8W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
22
23
24
25
26
27
28
29
S
30
25
20
15
10
5
0
34
35
36
37
0
100
200
300
400

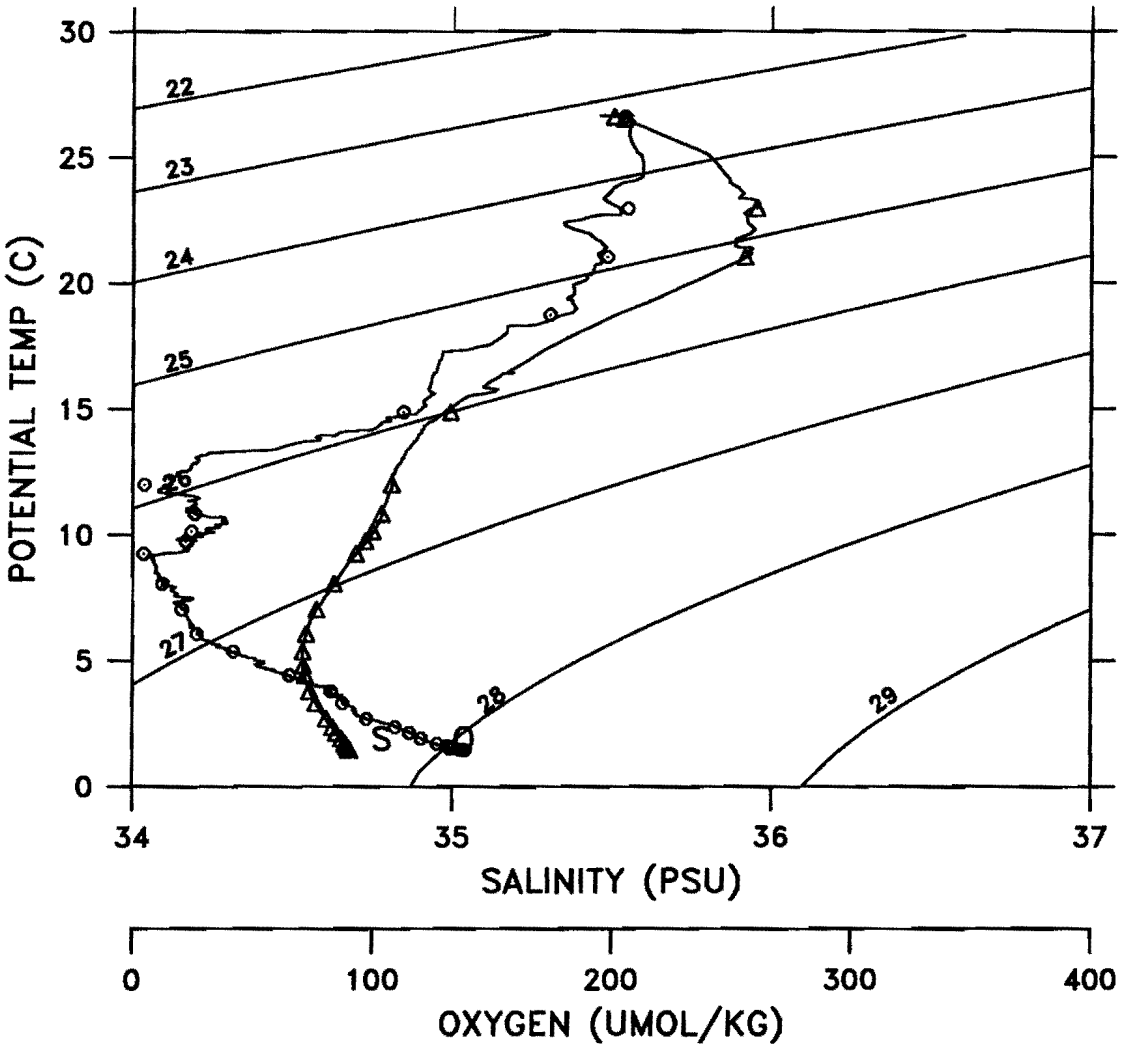


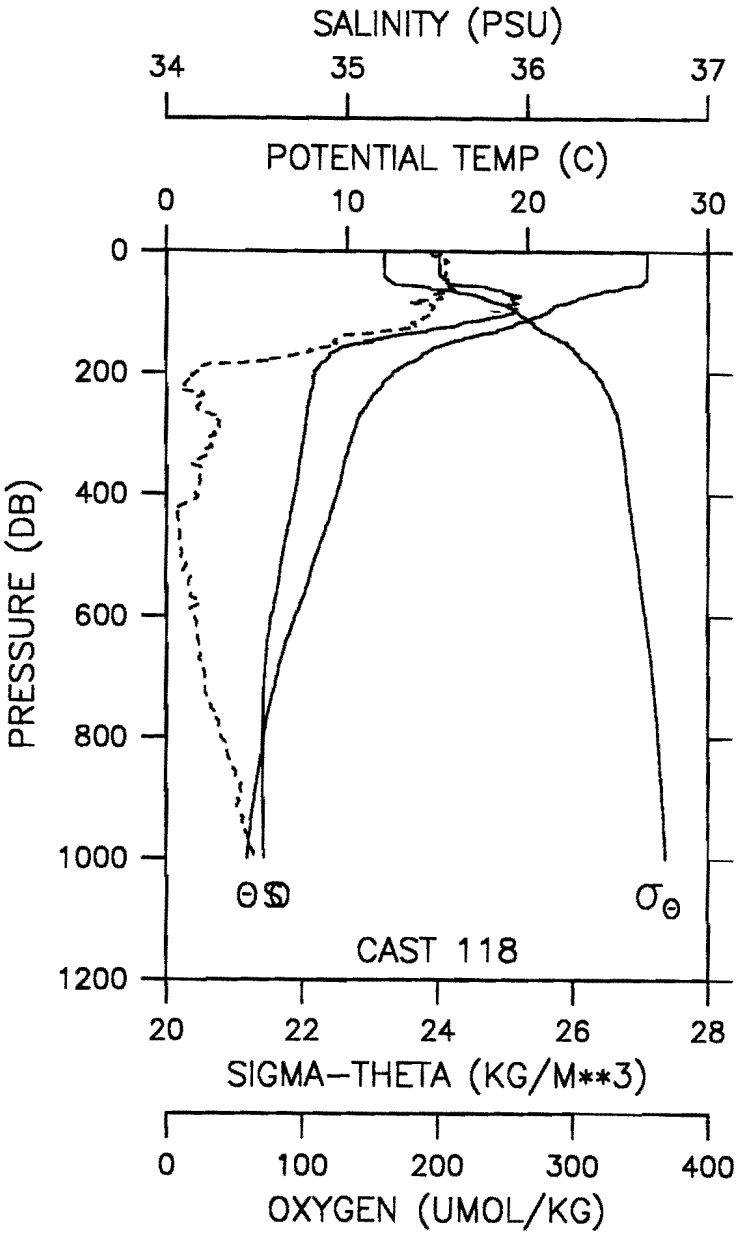
CAST CG3-94-DI -117 DATE 06 APR 94 TIME 0306 GMT
LAT 11 00.0S LONG 103 00.8W WEATHER 1 SEA STATE 2
BAROMETER 12 WIND DIR 145 T SPD 19 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 26.2 WET 22.0 DEPTH 4276 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	26.632	35.512	208.3	23.223	0.000
10	26.631	35.510	211.9	23.222	0.046
20	26.630	35.511	208.6	23.223	0.093
30	26.614	35.513	208.4	23.229	0.139
40	26.574	35.520	207.1	23.247	0.186
50	25.368	35.826	219.8	23.855	0.229
60	23.857	35.868	212.8	24.343	0.267
70	23.241	35.879	209.9	24.532	0.302
80	22.681	35.983	216.2	24.773	0.335
90	21.489	35.862	200.8	25.017	0.366
100	20.890	35.874	198.2	25.191	0.394
110	20.591	35.862	196.4	25.263	0.422
120	20.056	35.773	189.0	25.338	0.449
130	18.762	35.523	178.9	25.483	0.475
140	18.256	35.432	164.1	25.540	0.500
150	17.285	35.280	161.1	25.662	0.525
160	15.878	35.088	137.5	25.844	0.547
170	14.815	34.976	111.1	25.995	0.569
180	13.773	34.869	89.1	26.134	0.589
190	13.009	34.830	35.1	26.260	0.607
200	12.623	34.829	21.5	26.336	0.625
250	11.172	34.791	25.7	26.582	0.705
300	10.312	34.763	23.6	26.713	0.777
350	9.777	34.732	25.0	26.781	0.845
400	9.262	34.700	26.9	26.842	0.910
450	8.695	34.668	25.3	26.907	0.973
500	8.235	34.641	21.7	26.957	1.034
550	7.689	34.610	22.6	27.014	1.092
600	7.156	34.584	20.3	27.070	1.147
650	6.680	34.563	23.7	27.119	1.200
700	6.176	34.547	25.8	27.172	1.251
750	5.818	34.538	30.8	27.211	1.300
800	5.525	34.534	36.3	27.244	1.347
900	4.884	34.532	54.3	27.317	1.436
1000	4.406	34.538	68.6	27.376	1.518
1500	2.902	34.594	93.1	27.570	1.868
2000	2.126	34.639	117.6	27.672	2.150
2500	1.703	34.666	134.8	27.727	2.397
3000	1.551	34.675	136.7	27.746	2.631
3500	1.497	34.675	136.5	27.750	2.870
4000	1.476	34.676	137.2	27.752	3.118
4297	1.475	34.675	136.7	27.752	3.270

CAST CG3-94-DI -118 DATE 06 APR 94 TIME 0911 GMT

LAT 10 30.4S LONG 103 00.1W



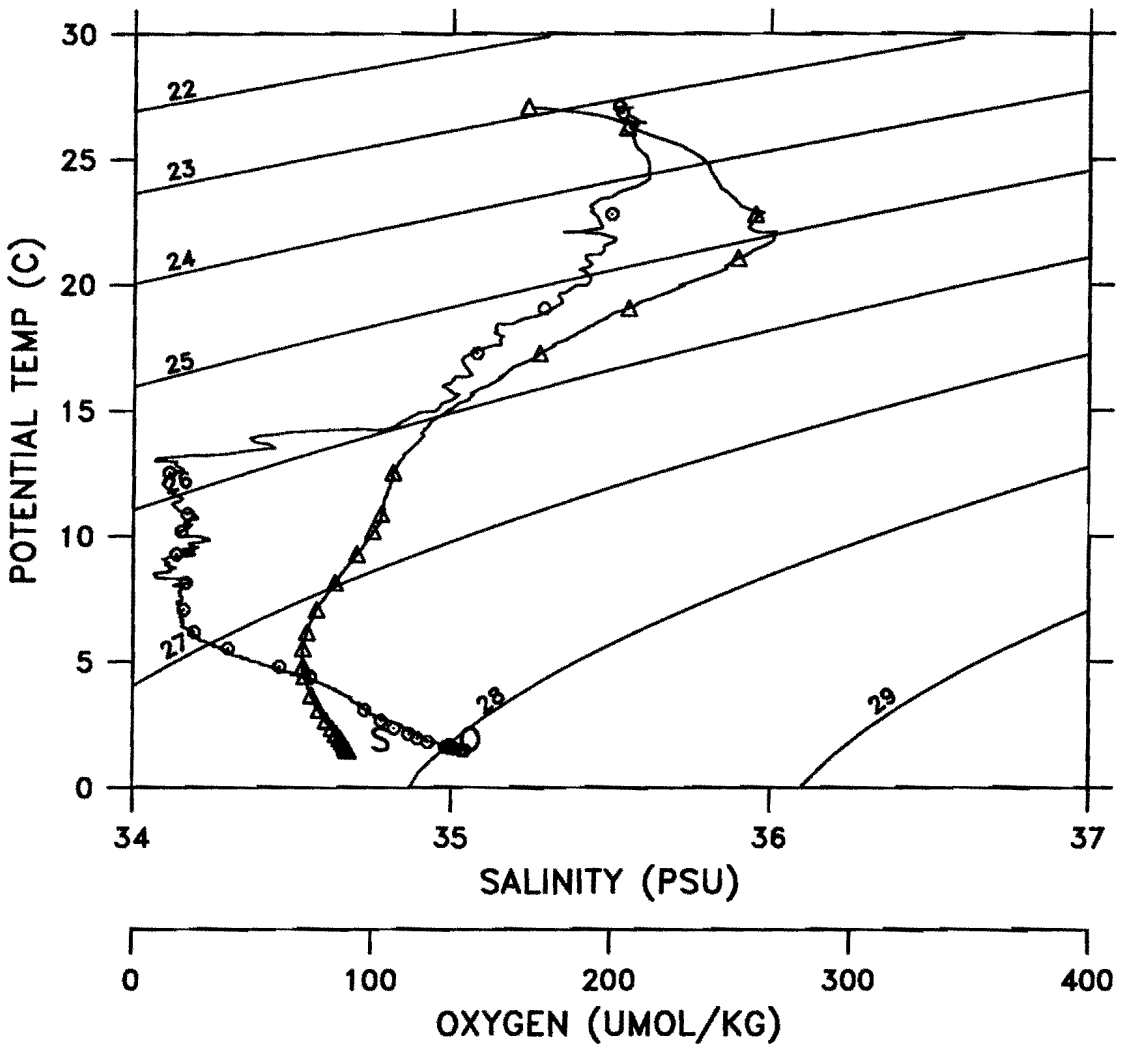


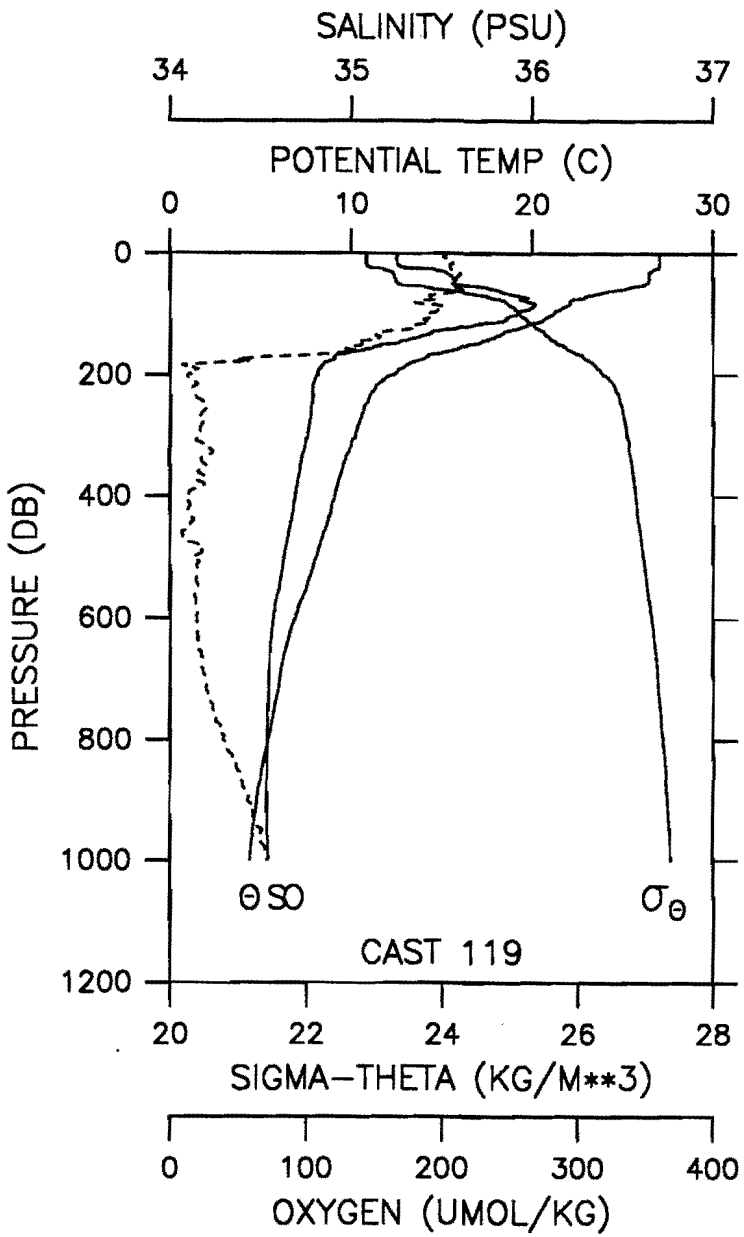
CAST CG3-94-DI -118 DATE 06 APR 94 TIME 0911 GMT
LAT 10 30.4S LONG 103 00.1W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 110 T SPD 15 KT VISIBILITY 9
CLOUD 7 AMOUNT 4 DRY 26.2 WET 23.0 DEPTH 4682 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	26.646	35.520	196.0	23.224	0.000
10	26.653	35.511	203.3	23.215	0.046
20	26.657	35.512	205.9	23.215	0.093
30	26.657	35.513	205.5	23.216	0.140
40	26.646	35.519	205.8	23.224	0.186
50	26.423	35.548	209.1	23.316	0.233
60	25.197	35.779	210.0	23.872	0.276
70	23.565	35.910	198.7	24.461	0.314
80	22.649	35.920	191.2	24.734	0.347
90	21.460	35.883	197.0	25.041	0.378
100	21.096	35.927	194.2	25.175	0.407
110	20.228	35.786	189.4	25.302	0.435
120	19.276	35.617	183.6	25.423	0.461
130	18.305	35.441	163.7	25.535	0.486
140	16.956	35.239	128.0	25.709	0.511
150	15.699	35.133	123.6	25.920	0.533
160	14.697	34.958	111.1	26.006	0.554
170	14.166	34.903	96.3	26.078	0.574
180	13.746	34.884	77.2	26.151	0.594
190	13.050	34.844	26.2	26.263	0.612
200	12.524	34.820	21.9	26.349	0.630
250	11.154	34.786	24.9	26.581	0.710
300	10.336	34.763	35.3	26.710	0.782
350	9.813	34.734	18.3	26.777	0.850
400	9.418	34.709	21.3	26.823	0.916
450	8.909	34.676	8.8	26.880	0.980
500	8.271	34.642	11.1	26.952	1.042
550	7.794	34.617	16.3	27.004	1.100
600	7.113	34.578	20.3	27.071	1.156
650	6.540	34.555	23.8	27.131	1.208
700	6.075	34.543	28.2	27.182	1.258
750	5.678	34.535	33.1	27.226	1.306
800	5.364	34.532	40.4	27.261	1.352
900	4.851	34.533	51.6	27.322	1.440
1000	4.440	34.538	64.0	27.372	1.523
1500	2.915	34.594	92.9	27.568	1.873
2000	2.139	34.638	116.5	27.670	2.154
2500	1.716	34.665	126.6	27.725	2.402
3000	1.558	34.672	131.9	27.743	2.638
3500	1.496	34.675	135.4	27.750	2.877
4000	1.474	34.676	137.4	27.752	3.125
4500	1.466	34.677	139.0	27.753	3.384
4755	1.466	34.677	138.2	27.753	3.521

CAST CG3-94-DI -119 DATE 06 APR 94 TIME 1555 GMT

LAT 10 00.2S LONG 103 00.0W



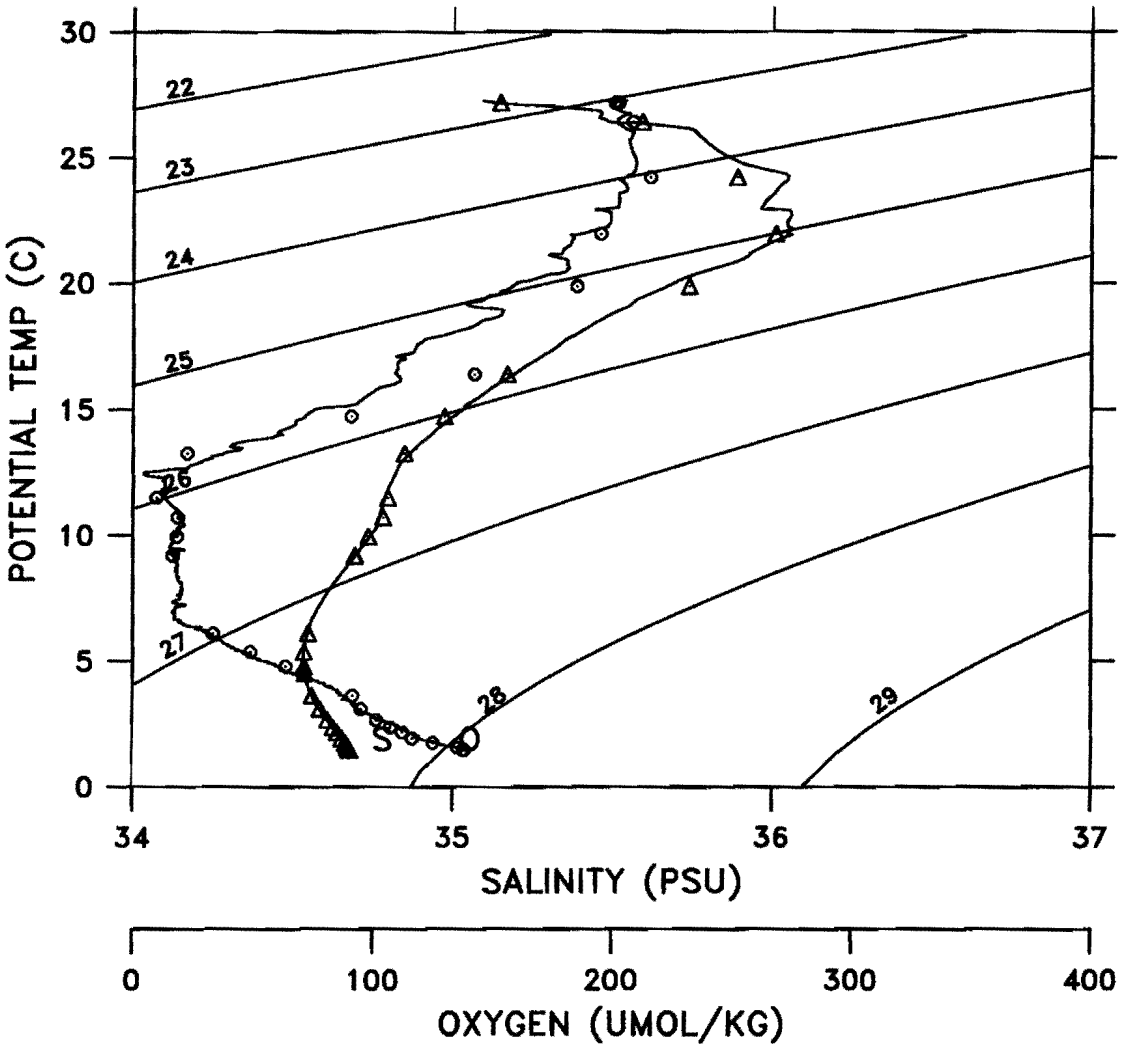


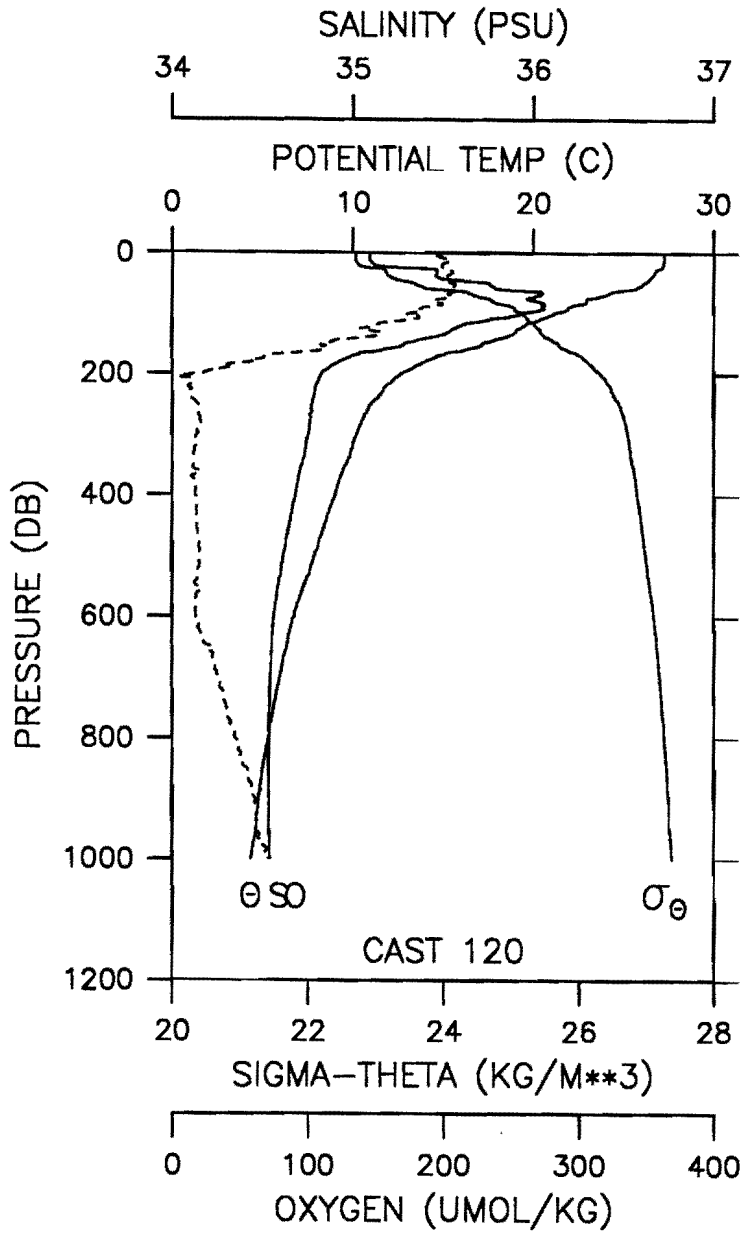
CAST CG3-94-DI -119 DATE 06 APR 94 TIME 1555 GMT
LAT 10 00.2S LONG 103 00.0W WEATHER 5 SEA STATE 4
BAROMETER 14 WIND DIR 100 T SPD 20 KT VISIBILITY 6
CLOUD 8 AMOUNT 7 DRY 26.1 WET 23.8 DEPTH 4560 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.065	35.256	204.4	22.892	0.000
10	27.063	35.252	207.4	22.890	0.050
20	27.054	35.266	206.4	22.903	0.099
30	26.577	35.509	210.4	23.238	0.147
40	26.486	35.559	211.3	23.305	0.193
50	26.321	35.560	210.3	23.357	0.239
60	24.755	35.804	215.7	24.025	0.281
70	23.013	35.930	192.1	24.637	0.318
80	22.091	35.977	180.8	24.936	0.349
90	21.628	35.989	198.5	25.075	0.379
100	21.161	35.917	189.2	25.150	0.408
110	20.570	35.847	187.8	25.257	0.436
120	19.543	35.644	177.8	25.374	0.463
130	18.431	35.448	152.2	25.509	0.488
140	17.683	35.329	153.6	25.603	0.513
150	16.408	35.162	141.6	25.779	0.537
160	15.428	35.050	133.3	25.916	0.559
170	14.154	34.909	66.0	26.085	0.579
180	13.224	34.848	32.2	26.231	0.598
190	12.644	34.821	20.6	26.325	0.616
200	12.315	34.817	13.3	26.387	0.633
250	10.743	34.778	26.6	26.650	0.710
300	10.216	34.758	18.8	26.726	0.780
350	9.555	34.720	26.7	26.809	0.847
400	9.084	34.691	12.4	26.863	0.911
450	8.618	34.663	15.3	26.915	0.973
500	8.047	34.628	16.8	26.975	1.033
550	7.529	34.601	20.3	27.030	1.090
600	6.902	34.569	19.6	27.093	1.144
650	6.380	34.551	20.4	27.149	1.195
700	6.034	34.543	25.6	27.188	1.245
750	5.725	34.536	31.3	27.221	1.293
800	5.389	34.532	38.7	27.258	1.339
900	4.783	34.533	57.0	27.330	1.426
1000	4.379	34.540	70.8	27.380	1.507
1500	2.888	34.593	99.7	27.570	1.857
2000	2.151	34.637	118.8	27.669	2.139
2500	1.730	34.664	128.7	27.723	2.390
3000	1.570	34.672	134.1	27.741	2.627
3500	1.491	34.675	138.3	27.750	2.866
4000	1.470	34.676	139.5	27.753	3.113
4500	1.465	34.677	141.0	27.753	3.372
4642	1.465	34.677	141.2	27.753	3.448

CAST CG3-94-DI -120 DATE 07 APR 94 TIME 2345 GMT

LAT 09 38.9S LONG 103 36.6W



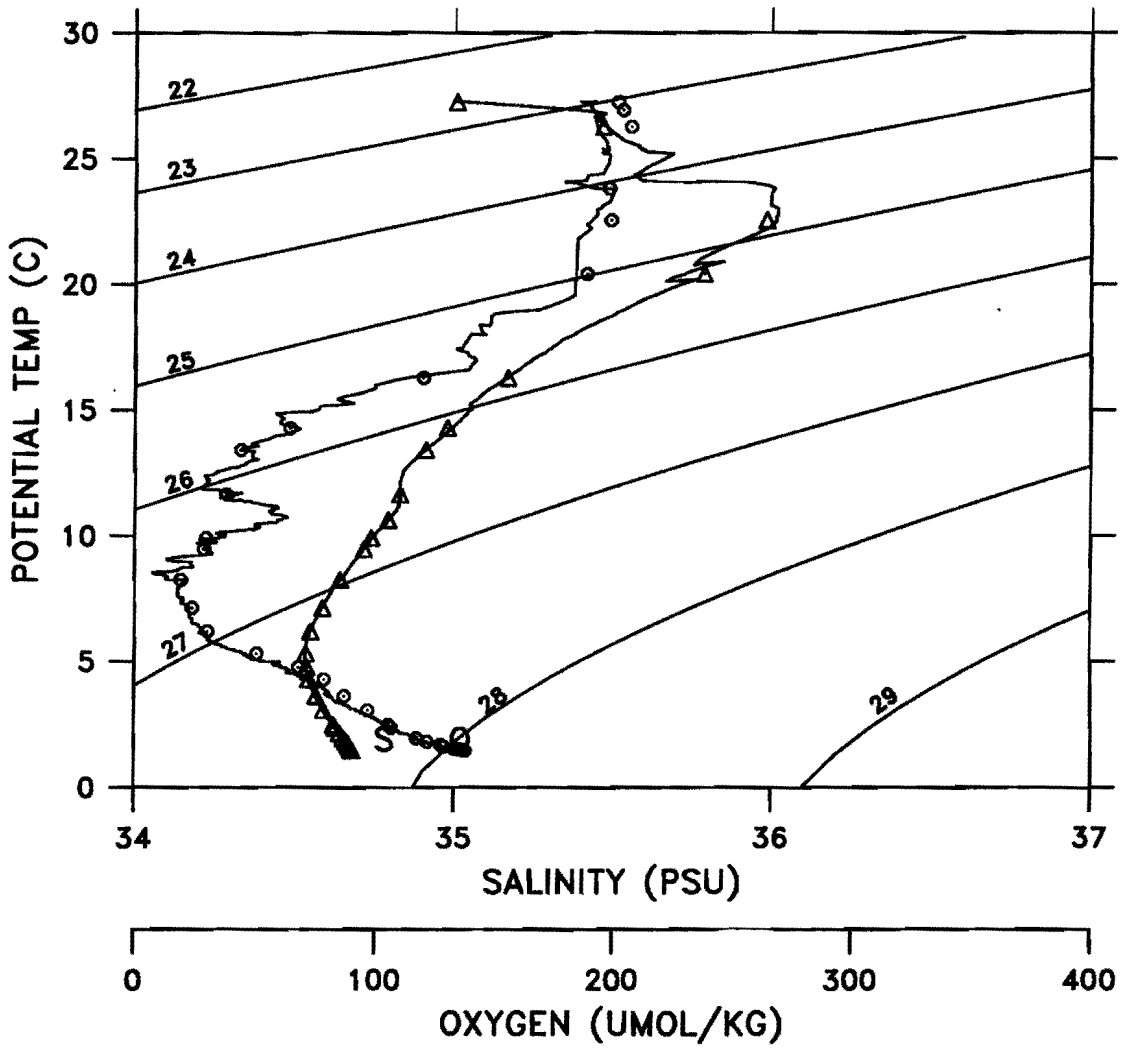


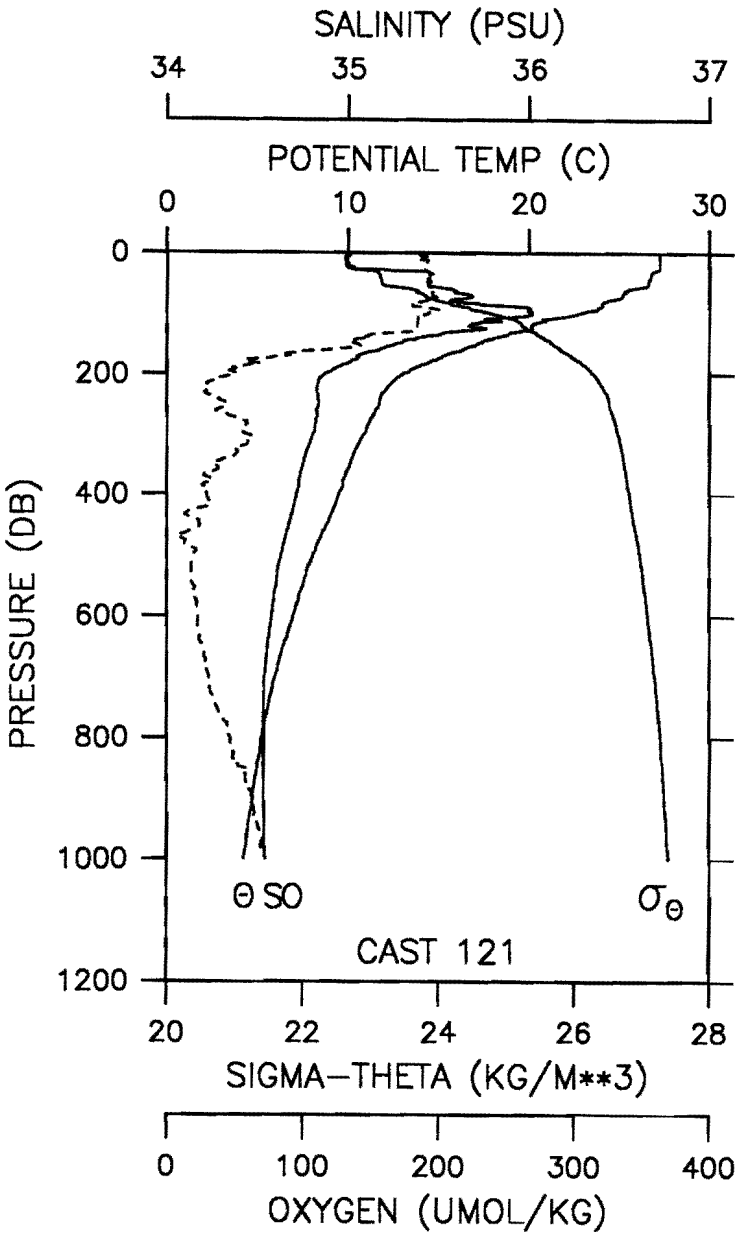
CAST CG3-94-DI -120 DATE 07 APR 94 TIME 2345 GMT
LAT 09 38.9S LONG 103 36.6W WEATHER 1 SEA STATE 5
BAROMETER 11 WIND DIR 135 T SPD 21 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 27.5 WET 23.5 DEPTH 4300 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.271	35.094	198.1	22.703	0.000
10	27.262	35.092	203.1	22.706	0.051
20	27.209	35.117	199.1	22.741	0.103
30	26.776	35.464	206.2	23.141	0.152
40	26.533	35.467	202.0	23.220	0.199
50	26.090	35.751	206.5	23.574	0.244
60	25.263	35.827	207.9	23.888	0.287
70	23.893	36.023	205.6	24.450	0.323
80	22.932	36.023	193.0	24.731	0.357
90	21.932	36.046	184.7	25.033	0.388
100	21.147	35.927	174.1	25.161	0.417
110	20.347	35.753	173.3	25.245	0.445
120	19.476	35.599	147.2	25.357	0.472
130	18.991	35.533	150.6	25.432	0.498
140	18.226	35.420	139.8	25.539	0.524
150	17.153	35.285	111.2	25.697	0.548
160	16.191	35.166	111.2	25.832	0.571
170	14.701	34.997	71.4	26.035	0.592
180	13.934	34.925	59.2	26.144	0.611
190	13.326	34.869	41.3	26.227	0.630
200	12.652	34.826	23.2	26.328	0.648
250	11.003	34.774	18.5	26.600	0.728
300	10.203	34.754	18.6	26.726	0.800
350	9.614	34.719	15.9	26.798	0.867
400	9.004	34.683	17.0	26.869	0.931
450	8.432	34.648	18.3	26.932	0.993
500	7.868	34.616	20.6	26.992	1.051
550	7.285	34.587	18.5	27.053	1.108
600	6.754	34.564	17.6	27.109	1.161
650	6.330	34.553	28.7	27.157	1.212
700	5.949	34.544	34.7	27.199	1.260
750	5.620	34.538	40.4	27.235	1.308
800	5.315	34.534	46.7	27.269	1.353
900	4.784	34.534	61.0	27.331	1.440
1000	4.348	34.540	70.8	27.383	1.522
1500	2.878	34.595	98.6	27.573	1.869
2000	2.150	34.638	116.0	27.670	2.149
2500	1.728	34.664	127.5	27.724	2.398
3000	1.562	34.674	137.1	27.744	2.634
3500	1.491	34.676	138.2	27.751	2.872
4000	1.468	34.677	138.7	27.753	3.120
4500	1.461	34.677	140.4	27.754	3.378
4502	1.461	34.677	140.5	27.754	3.379

CAST CG3-94-DI -121 DATE 07 APR 94 TIME 0709 GMT

LAT 09 14.2S LONG 104 08.1W



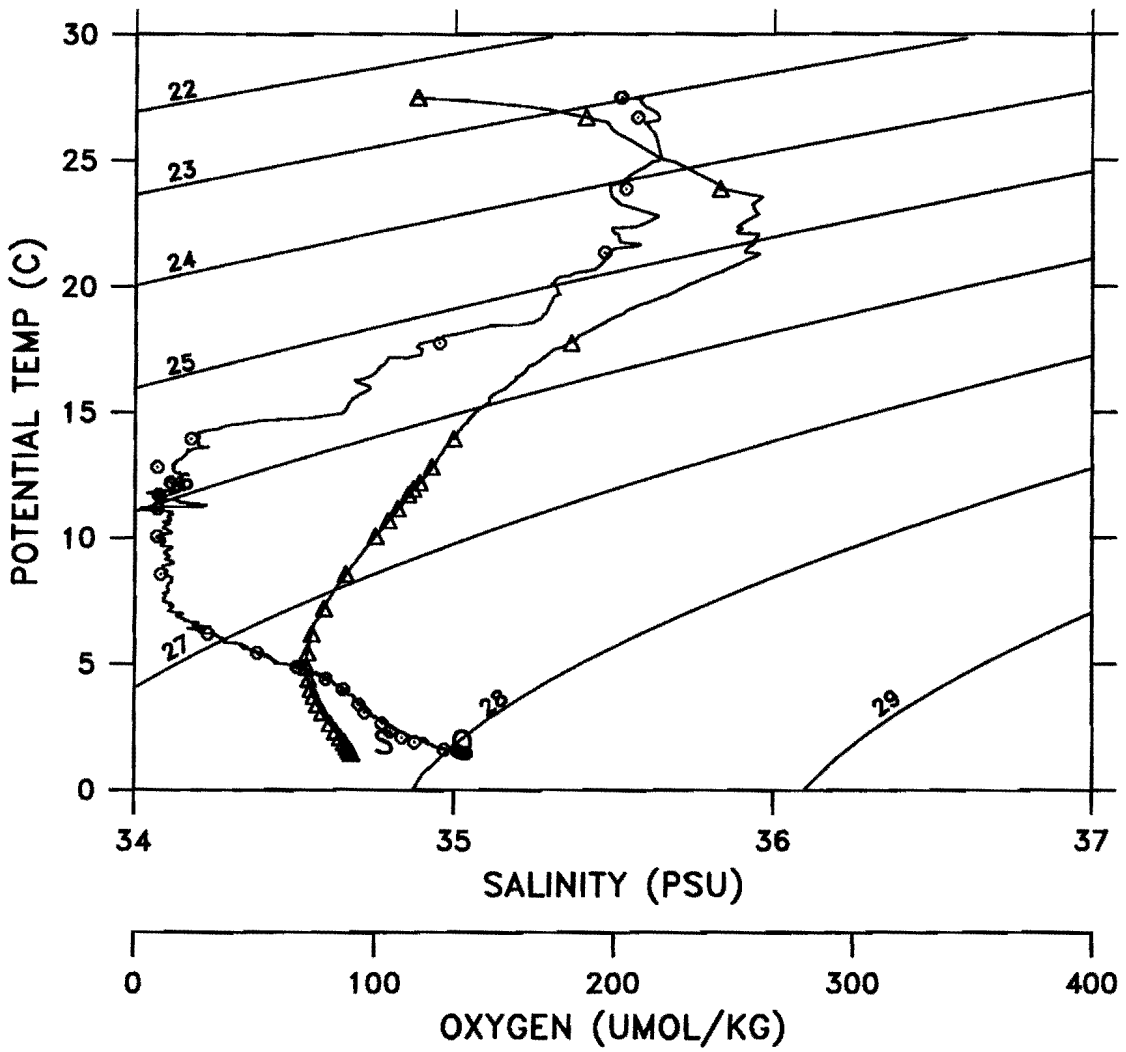


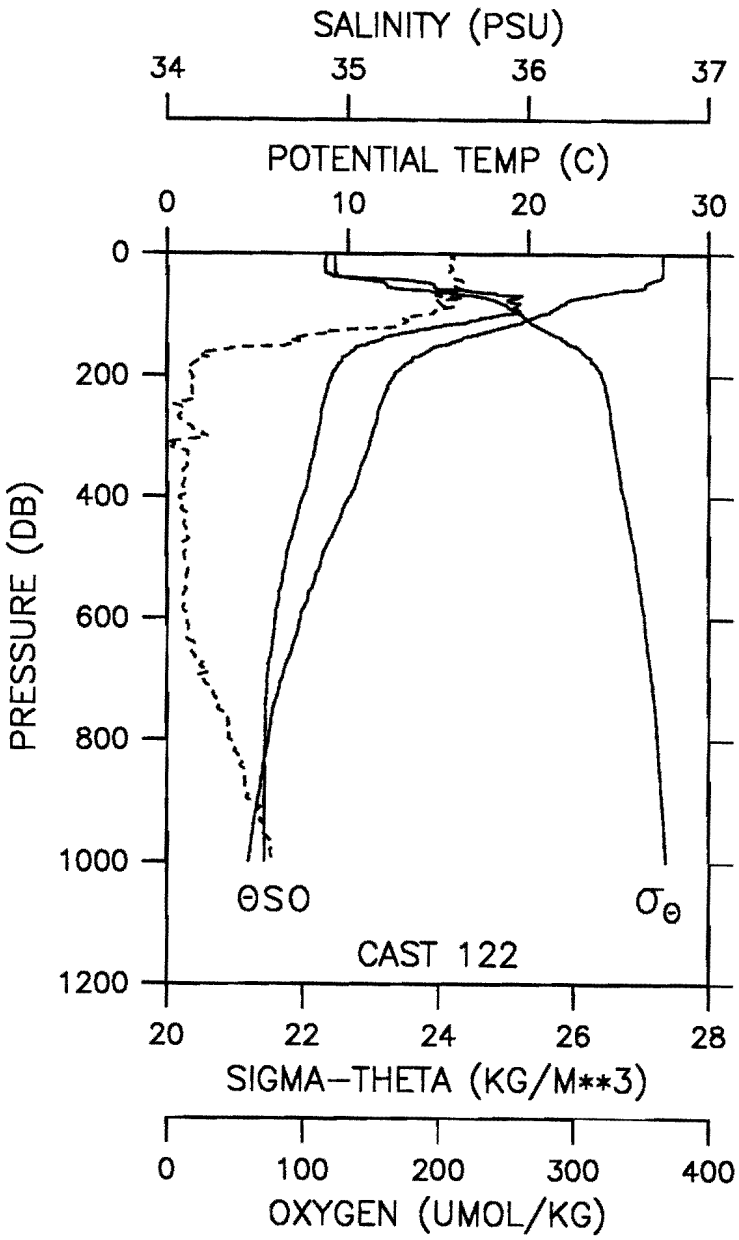
CAST CG3-94-DI -121 DATE 07 APR 94 TIME 0709 GMT
LAT 09 14.2S LONG 104 08.1W WEATHER 1 SEA STATE 5
BAROMETER 11 WIND DIR 120 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 27.0 WET 24.0 DEPTH 4107 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.266	35.014	186.1	22.645	0.000
10	27.262	34.994	188.1	22.631	0.052
20	27.266	35.003	190.0	22.637	0.104
30	26.928	35.383	191.0	23.032	0.155
40	26.763	35.451	196.2	23.135	0.203
50	26.641	35.438	193.4	23.164	0.250
60	25.495	35.581	196.9	23.630	0.296
70	25.200	35.683	195.5	23.798	0.338
80	24.128	35.588	188.2	24.051	0.379
90	23.837	36.004	190.5	24.452	0.416
100	22.678	36.012	192.0	24.796	0.450
110	20.844	35.774	184.6	25.127	0.480
120	20.124	35.666	184.2	25.238	0.508
130	19.158	35.558	174.1	25.408	0.535
140	17.988	35.375	146.5	25.563	0.560
150	17.093	35.256	140.7	25.689	0.584
160	16.329	35.171	115.4	25.804	0.607
170	15.200	35.046	83.7	25.964	0.629
180	14.493	35.009	60.1	26.090	0.649
190	13.612	34.928	50.3	26.213	0.668
200	13.011	34.871	49.4	26.291	0.686
250	11.703	34.836	44.3	26.519	0.768
300	10.856	34.806	58.0	26.651	0.844
350	10.106	34.751	34.4	26.740	0.914
400	9.467	34.714	28.7	26.818	0.981
450	8.805	34.672	24.2	26.893	1.045
500	8.061	34.629	19.6	26.974	1.106
550	7.540	34.603	19.7	27.030	1.162
600	6.978	34.577	22.7	27.089	1.217
650	6.406	34.555	26.9	27.148	1.269
700	5.962	34.540	31.0	27.194	1.318
750	5.579	34.534	36.9	27.237	1.365
800	5.224	34.533	46.4	27.279	1.410
900	4.741	34.535	62.9	27.336	1.496
1000	4.252	34.542	72.9	27.395	1.577
1500	2.861	34.597	97.8	27.576	1.918
2000	2.122	34.639	112.7	27.673	2.198
2500	1.738	34.663	123.6	27.722	2.447
3000	1.555	34.672	131.3	27.743	2.685
3500	1.479	34.676	135.9	27.752	2.923
4000	1.467	34.677	137.2	27.753	3.169
4077	1.467	34.677	135.9	27.753	3.208

CAST CG3-94-DI -122 DATE 07 APR 94 TIME 1510 GMT

LAT 08 51.2S LONG 104 41.6W



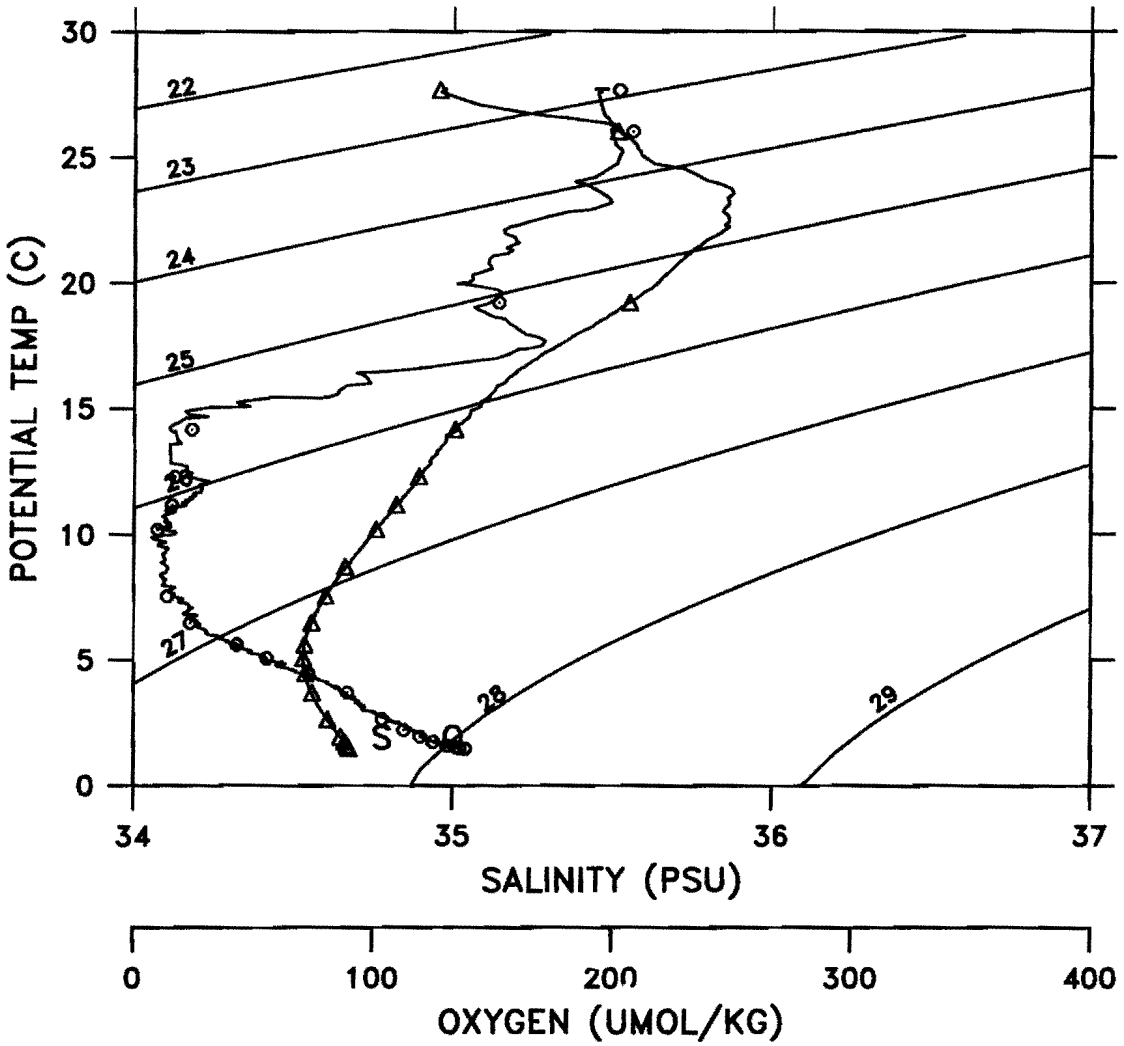


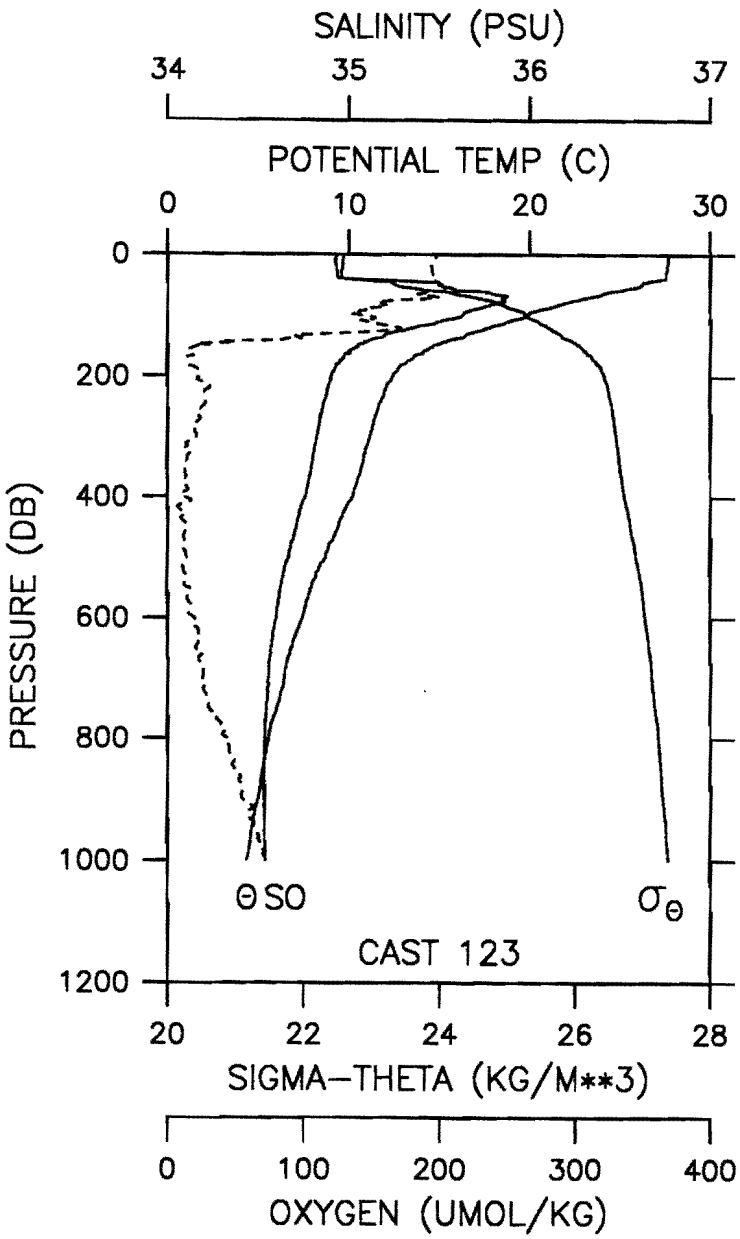
CAST CG3-94-DI -122 DATE 07 APR 94 TIME 1510 GMT
LAT 08 51.2S LONG 104 41.6W WEATHER 1 SEA STATE 2
BAROMETER 12 WIND DIR 125 T SPD 24 KT VISIBILITY 8
CLOUD 6 AMOUNT 6 DRY 26.0 WET 24.0 DEPTH 3713 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.469	34.880	210.6	22.479	0.000
10	27.467	34.877	210.9	22.477	0.054
20	27.467	34.875	209.1	22.476	0.107
30	27.469	34.875	207.8	22.476	0.161
40	27.302	35.085	210.9	22.687	0.214
50	26.505	35.475	213.4	23.235	0.262
60	24.977	35.668	217.8	23.855	0.307
70	23.059	35.937	209.5	24.629	0.344
80	22.080	35.950	201.0	24.918	0.376
90	21.409	35.909	198.1	25.075	0.406
100	20.603	35.838	188.3	25.241	0.434
110	19.696	35.673	177.2	25.357	0.461
120	18.553	35.468	165.8	25.494	0.487
130	17.276	35.290	119.0	25.672	0.512
140	16.273	35.188	91.1	25.830	0.535
150	15.097	35.073	87.5	26.007	0.556
160	14.336	35.020	34.4	26.132	0.576
170	13.597	34.969	30.4	26.248	0.594
180	13.213	34.950	20.0	26.312	0.612
190	12.825	34.930	15.8	26.374	0.629
200	12.590	34.916	18.4	26.410	0.646
250	11.750	34.859	8.9	26.528	0.726
300	11.292	34.831	29.8	26.591	0.803
350	10.694	34.792	14.9	26.669	0.877
400	10.072	34.751	9.7	26.746	0.949
450	9.351	34.706	13.1	26.831	1.016
500	8.579	34.660	12.9	26.918	1.079
550	8.047	34.630	13.5	26.976	1.139
600	7.396	34.598	15.0	27.047	1.195
650	6.916	34.577	17.6	27.098	1.250
700	6.340	34.552	26.6	27.155	1.301
750	5.838	34.543	37.8	27.212	1.350
800	5.587	34.542	46.3	27.242	1.397
900	5.000	34.536	62.6	27.307	1.487
1000	4.484	34.539	78.0	27.368	1.571
1500	2.872	34.595	99.9	27.573	1.923
2000	2.106	34.641	115.4	27.676	2.202
2500	1.721	34.663	126.3	27.723	2.450
3000	1.554	34.673	133.7	27.744	2.686
3500	1.481	34.676	134.3	27.751	2.924
3755	1.461	34.679	136.6	27.755	3.049

CAST CG3-94-DI -123 DATE 07 APR 94 TIME 2235 GMT

LAT 08 27.8S LONG 105 15.6W



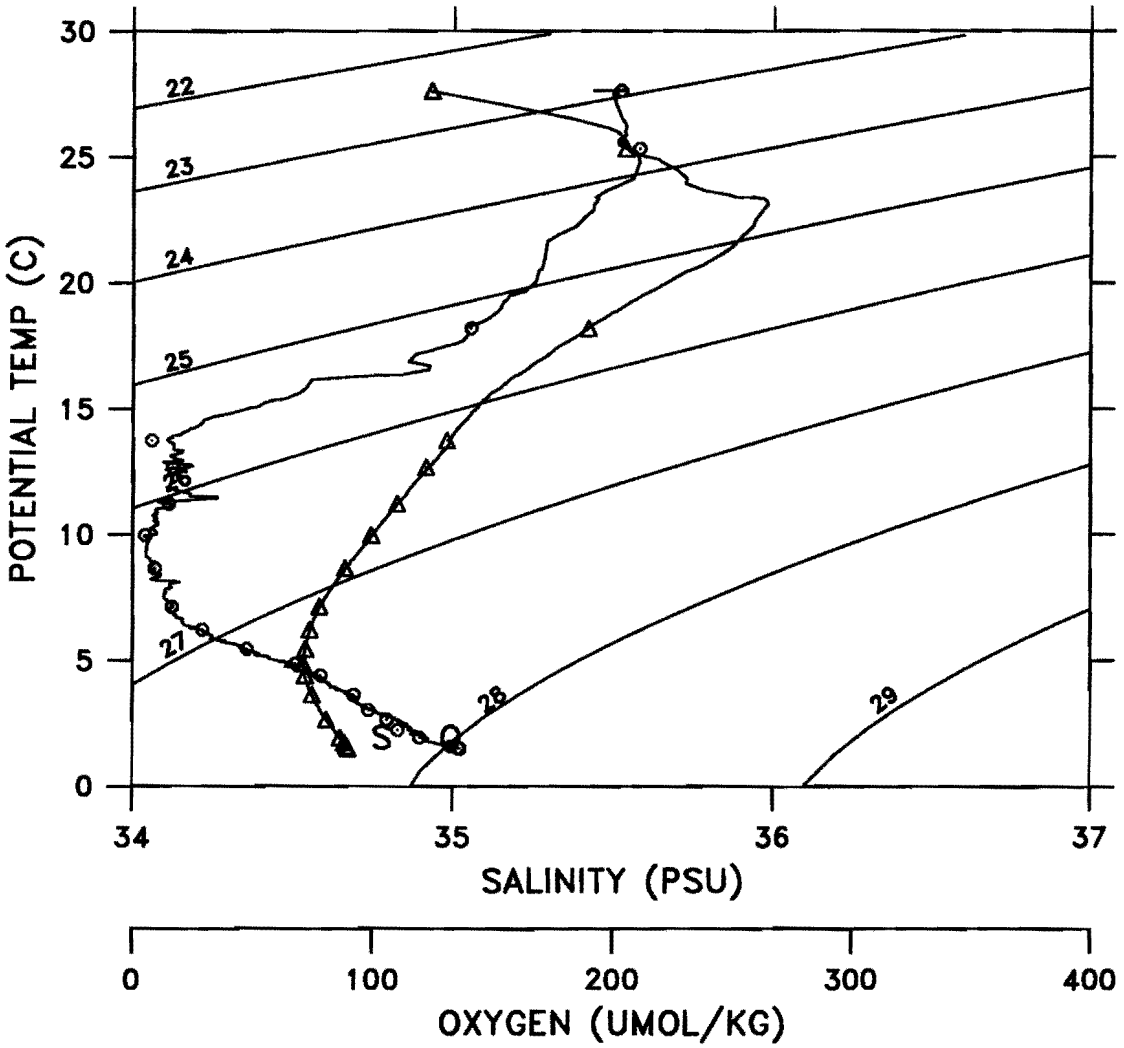


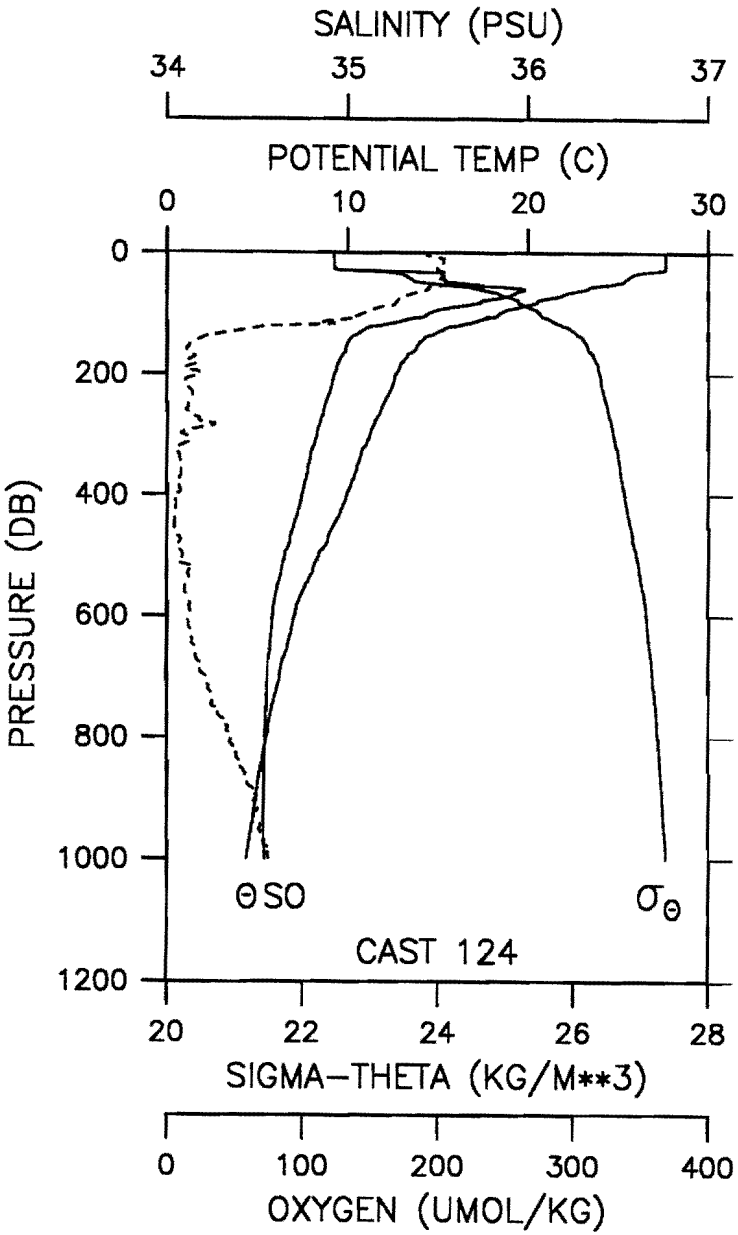
CAST CG3–94–DI –123 DATE 07 APR 94 TIME 2235 GMT
LAT 08 27.8S LONG 105 15.6W WEATHER 8 SEA STATE 4
BAROMETER 09 WIND DIR 120 T SPD 20 KT VISIBILITY 6
CLOUD 6 AMOUNT 8 DRY 27.2 WET 25.2 DEPTH 3655 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG–TH	DELTA–D (DYN–M)
0	27.701	34.974	192.3	22.475	0.000
10	27.696	34.969	195.8	22.473	0.054
20	27.650	34.965	194.5	22.485	0.107
30	27.590	34.960	194.9	22.500	0.161
40	27.286	35.028	194.5	22.650	0.214
50	26.178	35.512	200.7	23.366	0.261
60	24.514	35.722	197.9	24.036	0.304
70	23.208	35.864	199.7	24.530	0.341
80	21.813	35.809	159.4	24.887	0.373
90	20.567	35.685	149.5	25.134	0.403
100	19.827	35.624	145.2	25.285	0.431
110	18.707	35.488	148.5	25.470	0.457
120	17.682	35.355	171.8	25.623	0.482
130	16.528	35.207	112.7	25.786	0.505
140	15.573	35.120	85.1	25.938	0.527
150	14.625	35.048	22.6	26.092	0.548
160	14.084	34.997	16.0	26.168	0.567
170	13.558	34.971	14.8	26.257	0.585
180	13.043	34.936	15.1	26.335	0.603
190	12.684	34.920	22.0	26.395	0.620
200	12.417	34.903	24.0	26.434	0.636
250	11.655	34.858	26.4	26.545	0.716
300	11.167	34.825	21.0	26.609	0.792
350	10.721	34.795	11.9	26.666	0.865
400	10.203	34.760	12.3	26.730	0.936
450	9.411	34.711	13.7	26.826	1.004
500	8.706	34.667	14.0	26.904	1.067
550	7.920	34.621	15.6	26.988	1.127
600	7.462	34.599	19.9	27.038	1.184
650	6.845	34.569	20.5	27.101	1.238
700	6.463	34.557	26.0	27.143	1.290
750	6.032	34.546	30.6	27.190	1.340
800	5.577	34.537	44.2	27.240	1.387
900	4.989	34.534	55.6	27.307	1.477
1000	4.364	34.541	73.0	27.382	1.560
1500	2.817	34.599	101.9	27.581	1.905
2000	2.129	34.638	118.1	27.671	2.182
2500	1.761	34.661	124.6	27.719	2.432
3000	1.544	34.672	131.6	27.744	2.668
3500	1.480	34.676	133.8	27.752	2.906
3690	1.470	34.676	133.4	27.752	2.998

CAST CG3-94-DI -124 DATE 08 APR 94 TIME 0458 GMT

LAT 08 04.7S LONG 105 49.6W



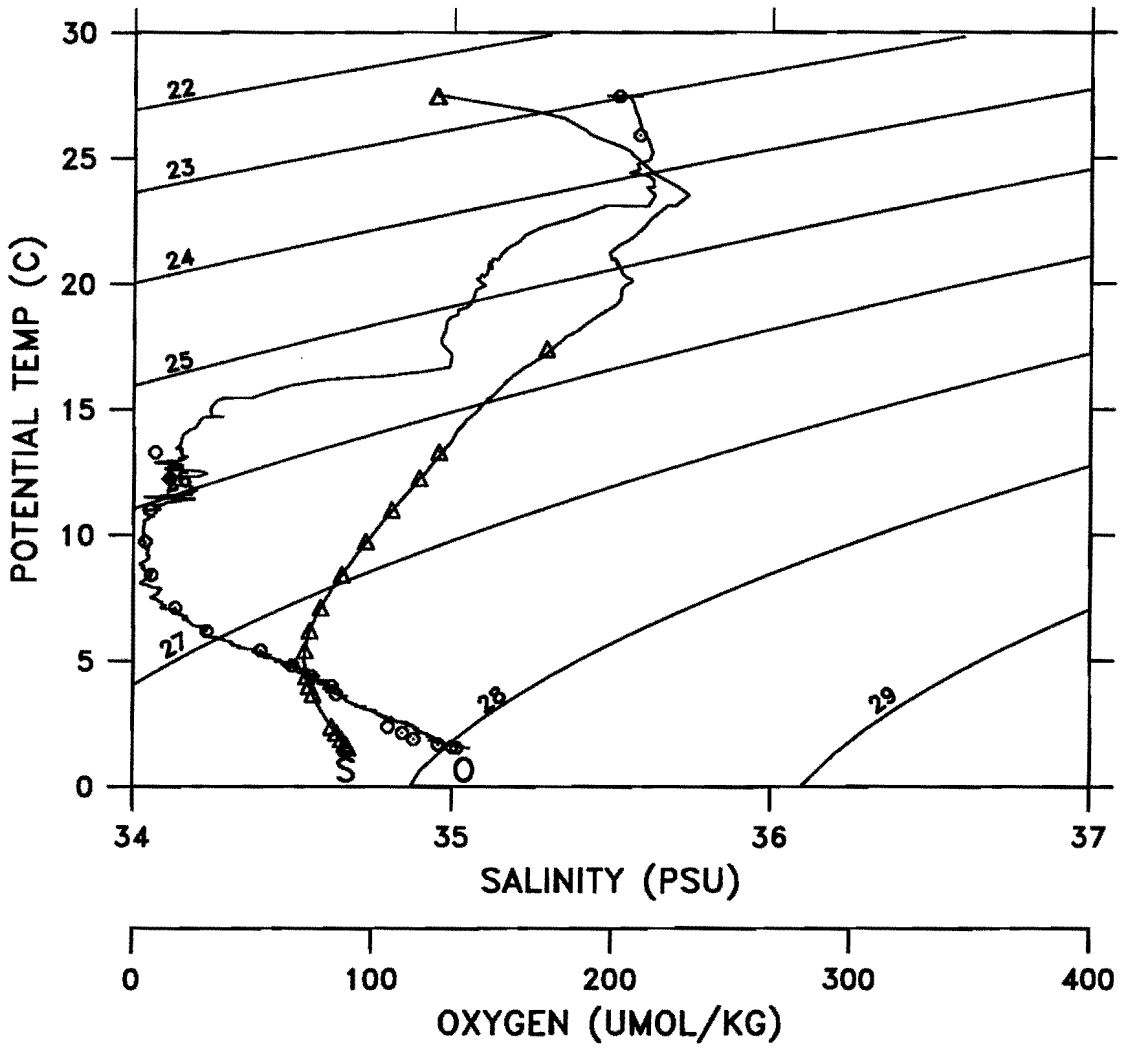


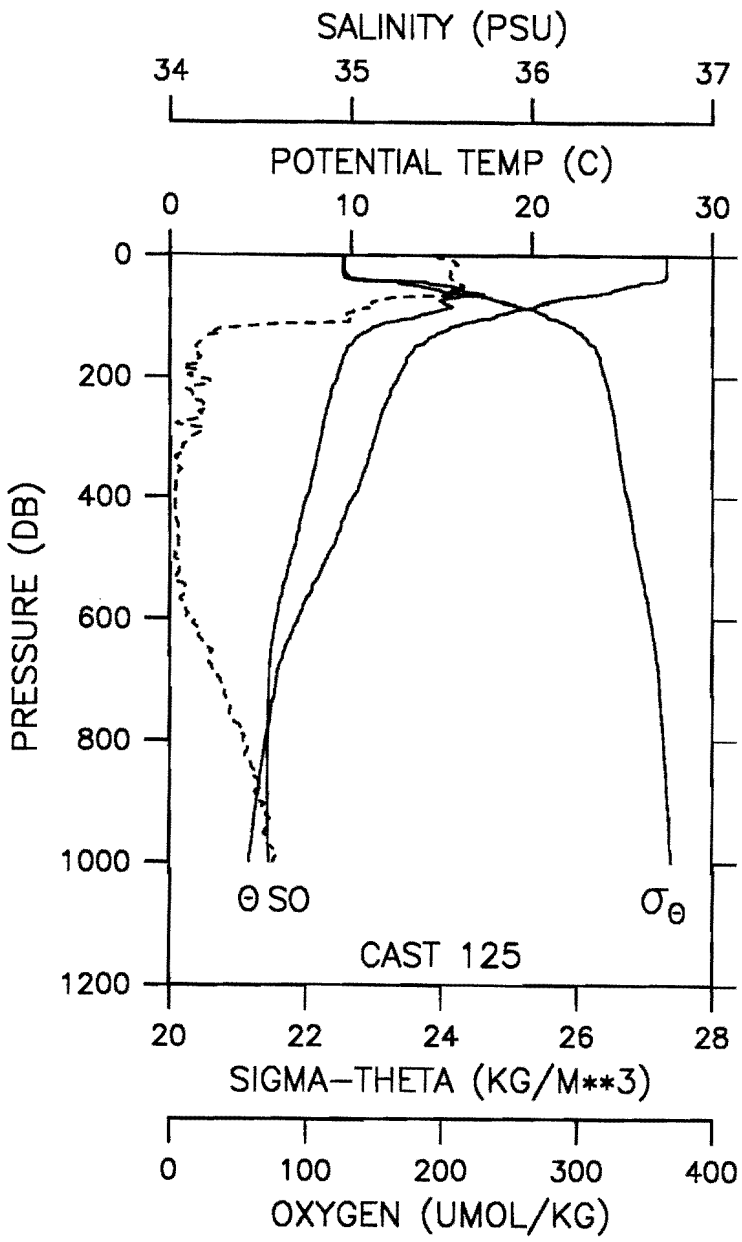
CAST CG3-94-DI -124 DATE 08 APR 94 TIME 0458 GMT
LAT 08 04.7S LONG 105 49.6W WEATHER 2 SEA STATE 3
BAROMETER 11 WIND DIR 100 T SPD 18 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 26.8 WET 24.8 DEPTH 3993 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.624	34.926	194.9	22.464	0.000
10	27.623	34.925	204.4	22.463	0.054
20	27.625	34.926	199.8	22.463	0.107
30	27.107	35.140	201.0	22.791	0.161
40	25.609	35.529	202.4	23.556	0.206
50	24.895	35.641	210.5	23.859	0.249
60	23.194	35.980	192.7	24.623	0.285
70	21.850	35.901	176.0	24.946	0.316
80	20.531	35.744	169.7	25.189	0.345
90	19.326	35.568	155.7	25.373	0.373
100	18.406	35.446	144.1	25.514	0.398
110	17.385	35.321	126.5	25.669	0.423
120	16.158	35.177	74.7	25.849	0.445
130	15.043	35.075	49.7	26.021	0.466
140	14.272	35.019	26.3	26.145	0.486
150	13.940	34.998	17.7	26.199	0.504
160	13.758	34.989	14.2	26.230	0.523
170	13.328	34.970	20.9	26.304	0.541
180	13.048	34.952	16.6	26.347	0.558
190	12.873	34.938	12.9	26.371	0.575
200	12.699	34.927	24.2	26.397	0.592
250	11.981	34.876	15.6	26.497	0.674
300	11.247	34.829	12.3	26.598	0.751
350	10.555	34.784	8.8	26.687	0.824
400	9.952	34.747	6.2	26.763	0.894
450	9.224	34.703	5.7	26.849	0.961
500	8.413	34.652	11.7	26.939	1.023
550	7.645	34.611	13.3	27.021	1.082
600	7.079	34.585	15.6	27.081	1.136
650	6.668	34.569	20.4	27.125	1.189
700	6.216	34.556	28.4	27.174	1.239
750	5.806	34.547	35.1	27.219	1.288
800	5.493	34.542	45.3	27.254	1.334
900	4.921	34.536	65.1	27.317	1.422
1000	4.410	34.540	74.9	27.377	1.505
1500	2.819	34.598	104.4	27.580	1.854
2000	2.126	34.639	118.8	27.672	2.133
2500	1.738	34.662	125.4	27.722	2.381
3000	1.535	34.673	131.9	27.746	2.617
3500	1.498	34.676	132.5	27.750	2.855
3501	1.499	34.675	132.4	27.750	2.856

CAST CG3-94-DI -125 DATE 08 APR 94 TIME 1055 GMT

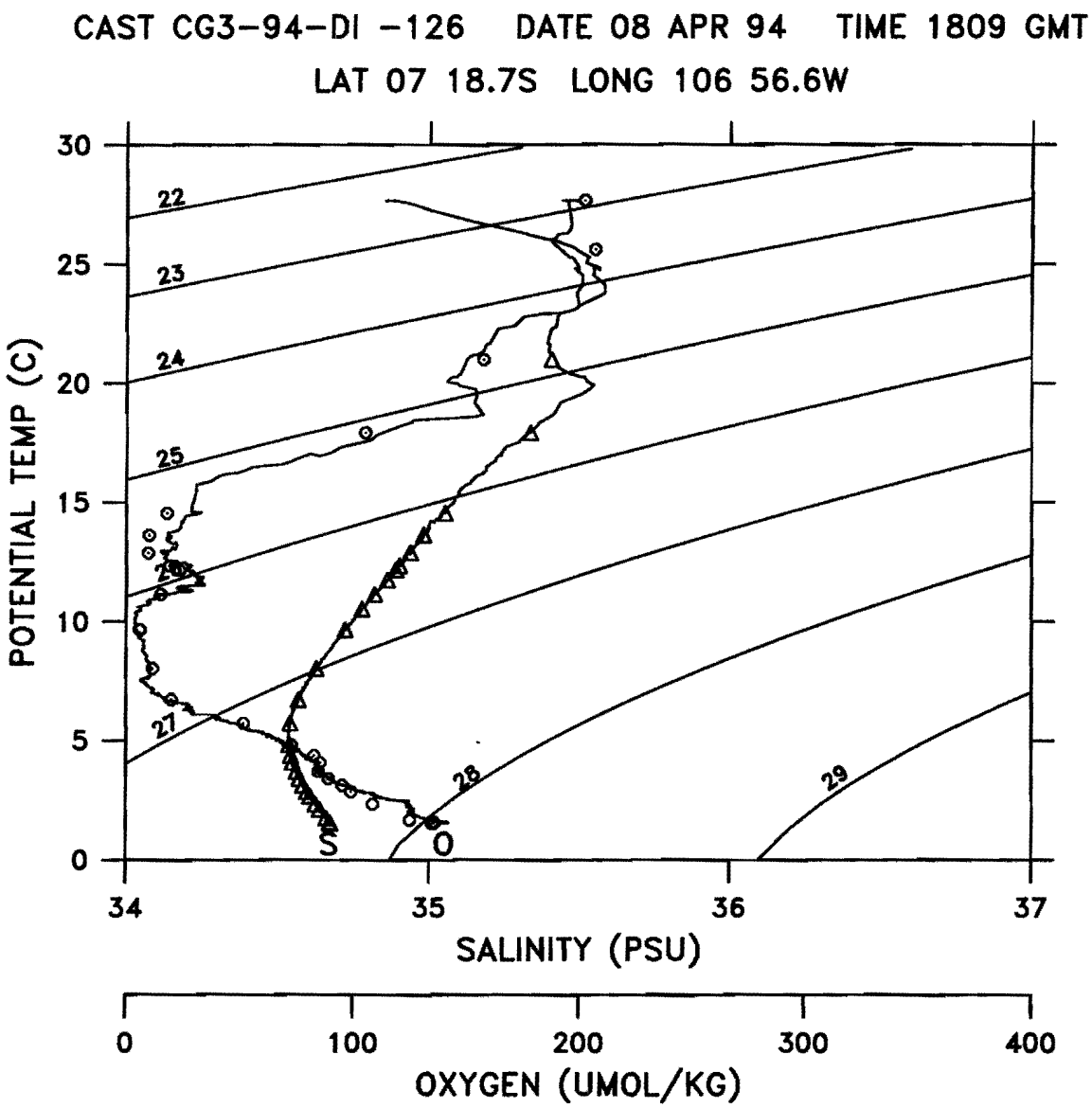
LAT 07 42.0S LONG 106 23.0W





CAST CG3-94-DI -125 DATE 08 APR 94 TIME 1055 GMT
LAT 07 42.0S LONG 106 23.0W WEATHER 8 SEA STATE 4
BAROMETER 09 WIND DIR 088 T SPD 20 KT VISIBILITY 6
CLOUD X AMOUNT 8 DRY 25.4 WET 24.3 DEPTH 3245 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.473	34.965	197.8	22.542	0.000
10	27.471	34.964	209.4	22.542	0.053
20	27.470	34.964	206.9	22.542	0.106
30	27.465	34.971	206.7	22.549	0.159
40	27.248	35.072	207.9	22.695	0.212
50	25.297	35.548	215.8	23.667	0.258
60	24.289	35.635	213.9	24.038	0.299
70	21.720	35.547	161.1	24.713	0.334
80	20.384	35.531	147.2	25.066	0.365
90	19.049	35.495	138.3	25.388	0.393
100	18.017	35.372	129.2	25.554	0.419
110	16.485	35.203	119.1	25.792	0.442
120	15.448	35.111	38.2	25.959	0.464
130	14.695	35.053	28.9	26.080	0.484
140	14.195	35.016	23.5	26.159	0.503
150	13.525	34.979	18.7	26.271	0.521
160	13.321	34.970	19.7	26.305	0.539
170	13.080	34.953	21.4	26.341	0.556
180	12.964	34.941	17.3	26.355	0.574
190	12.783	34.932	20.4	26.384	0.590
200	12.618	34.922	17.4	26.409	0.607
250	11.851	34.870	26.1	26.517	0.688
300	11.323	34.834	15.9	26.588	0.765
350	10.805	34.800	6.4	26.655	0.839
400	10.082	34.753	4.3	26.745	0.911
450	9.442	34.714	6.3	26.822	0.978
500	8.684	34.670	3.8	26.910	1.042
550	7.858	34.624	11.2	27.000	1.101
600	7.068	34.586	14.0	27.084	1.157
650	6.341	34.558	30.3	27.160	1.208
700	5.872	34.547	37.5	27.211	1.257
750	5.574	34.542	43.8	27.244	1.303
800	5.261	34.539	53.9	27.280	1.349
900	4.770	34.539	65.8	27.336	1.435
1000	4.360	34.545	75.4	27.387	1.516
1500	2.888	34.598	102.4	27.574	1.861
2000	2.112	34.640	122.3	27.675	2.142
2500	1.732	34.663	129.2	27.722	2.390
3000	1.544	34.673	140.3	27.745	2.627
3148	1.526	34.675	138.5	27.747	2.696


CAST CG3-94-DI -126 DATE 08 APR 94 TIME 1809 GMT
LAT 07 18.7S LONG 106 56.6W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
22
23
24
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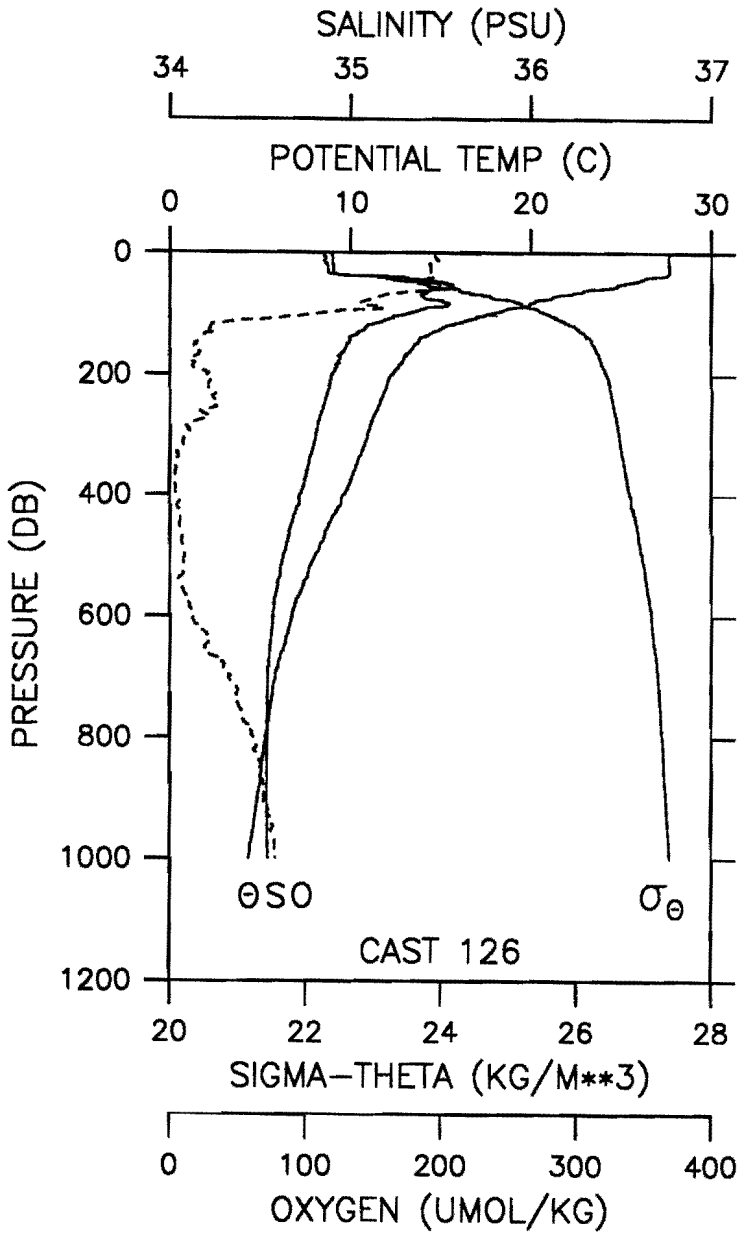
29
S
O

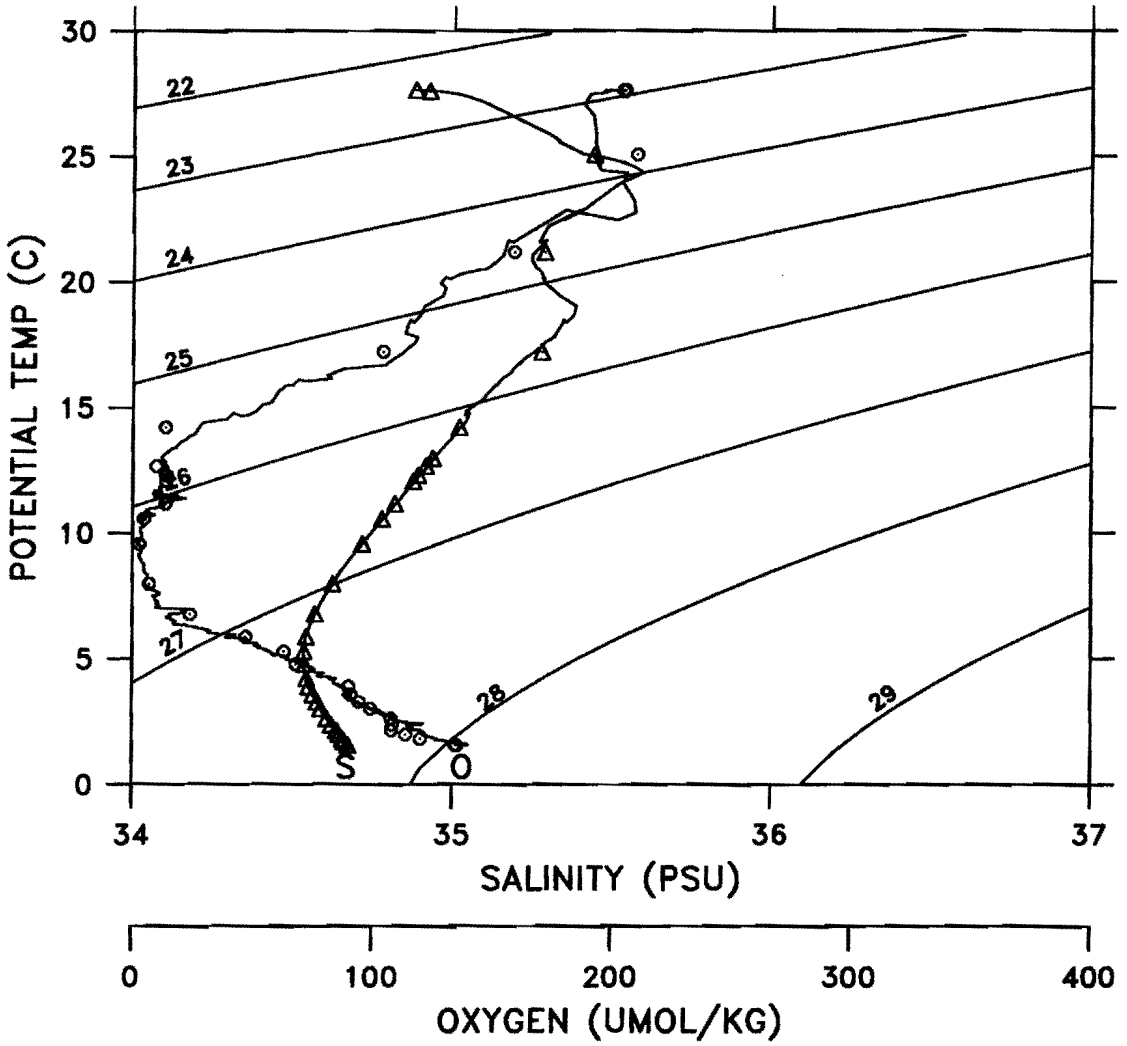


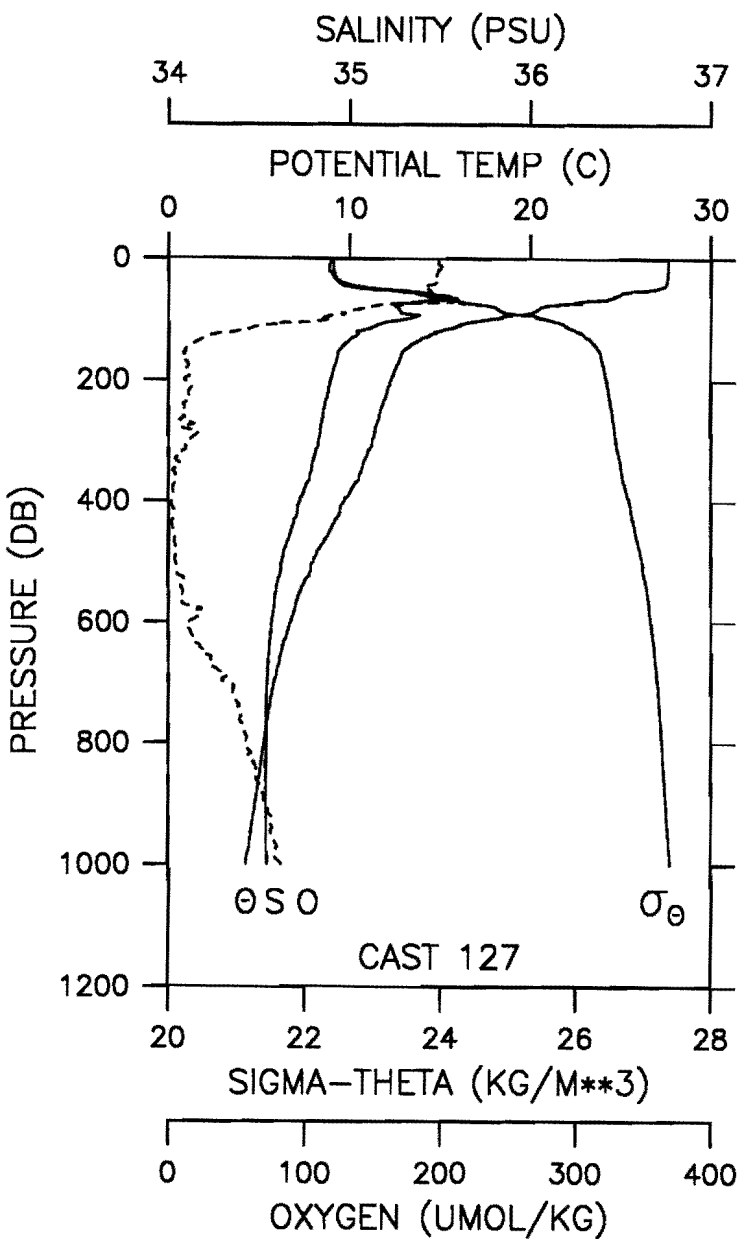
CAST CG3-94-DI -126 DATE 08 APR 94 TIME 1809 GMT
LAT 07 18.7S LONG 106 56.6W WEATHER 3 SEA STATE 4
BAROMETER 12 WIND DIR 100 T SPD 17 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 26.8 WET 25.2 DEPTH 3181 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.660	34.854	195.7	22.397	0.000
10	27.660	34.863	197.0	22.404	0.054
20	27.667	34.870	192.1	22.408	0.109
30	27.668	34.874	192.5	22.410	0.163
40	26.445	35.259	195.6	23.091	0.216
50	25.275	35.526	196.4	23.657	0.261
60	23.263	35.499	199.5	24.237	0.302
70	21.632	35.399	158.2	24.625	0.337
80	20.261	35.515	143.7	25.087	0.369
90	19.192	35.434	152.9	25.305	0.397
100	17.827	35.320	110.4	25.561	0.422
110	16.596	35.199	68.6	25.763	0.446
120	15.337	35.095	30.2	25.972	0.467
130	14.604	35.047	28.4	26.095	0.487
140	13.922	35.001	23.3	26.205	0.506
150	13.624	34.977	18.1	26.248	0.525
160	13.361	34.966	18.6	26.294	0.542
170	13.017	34.930	19.8	26.336	0.560
180	12.820	34.930	17.3	26.375	0.577
190	12.580	34.916	18.1	26.412	0.594
200	12.322	34.899	28.3	26.449	0.610
250	11.599	34.854	32.2	26.552	0.689
300	10.944	34.807	10.9	26.636	0.764
350	10.347	34.766	4.2	26.710	0.836
400	9.599	34.716	4.7	26.798	0.904
450	8.783	34.672	7.0	26.896	0.969
500	8.030	34.627	10.8	26.977	1.029
550	7.368	34.595	8.5	27.049	1.085
600	6.729	34.570	17.5	27.117	1.139
650	6.299	34.555	25.2	27.163	1.189
700	5.832	34.543	43.8	27.213	1.238
750	5.560	34.540	50.7	27.244	1.284
800	5.277	34.537	61.7	27.276	1.329
900	4.844	34.538	69.6	27.327	1.416
1000	4.366	34.542	78.0	27.383	1.498
1500	2.902	34.595	102.1	27.571	1.848
2000	2.143	34.637	126.3	27.670	2.130
2500	1.729	34.662	131.4	27.722	2.380
3000	1.538	34.674	140.1	27.746	2.616
3193	1.531	34.674	139.8	27.747	2.707

CAST CG3-94-DI -127 DATE 09 APR 94 TIME 0051 GMT

LAT 06 56.4S LONG 107 30.7W



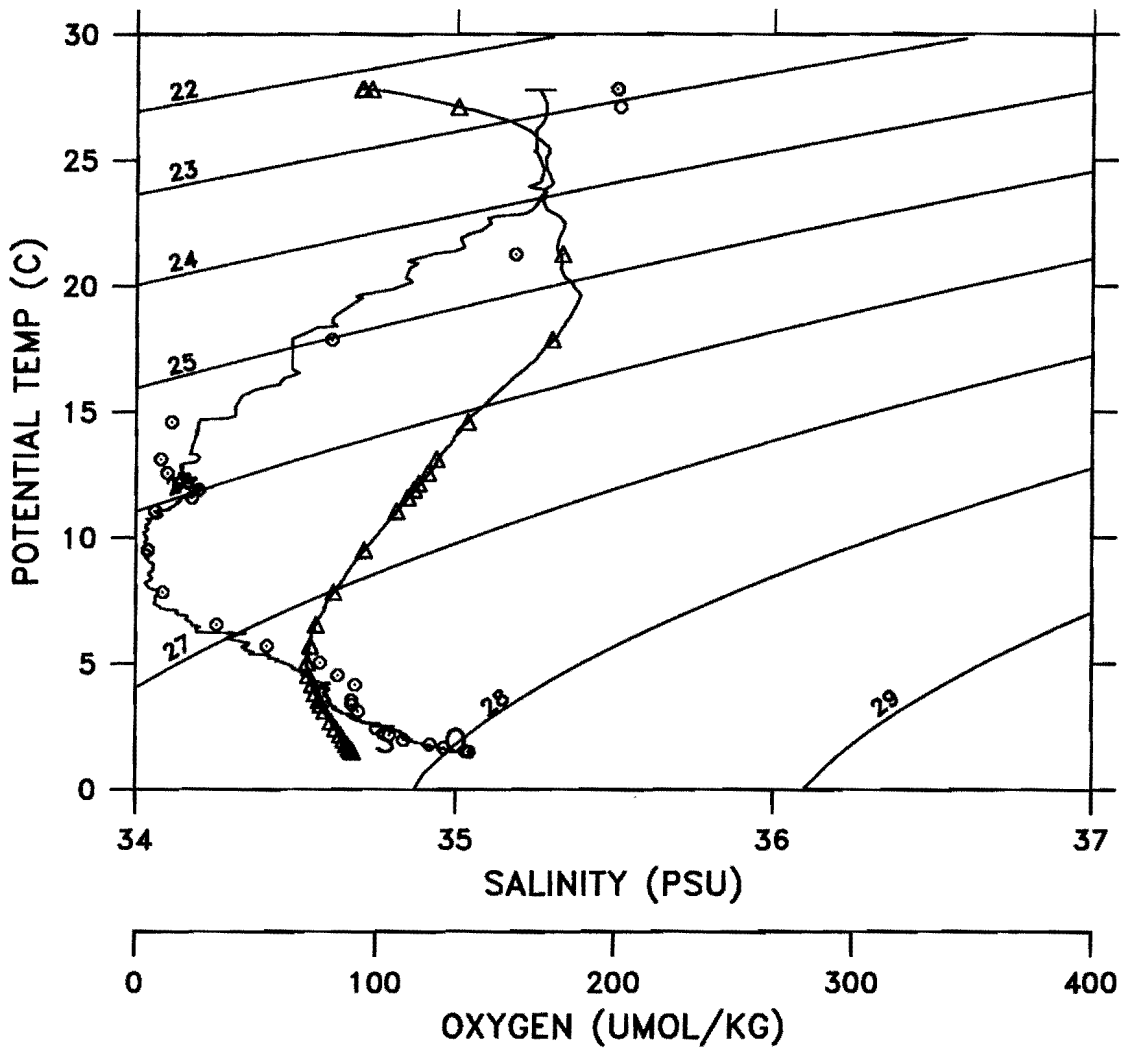


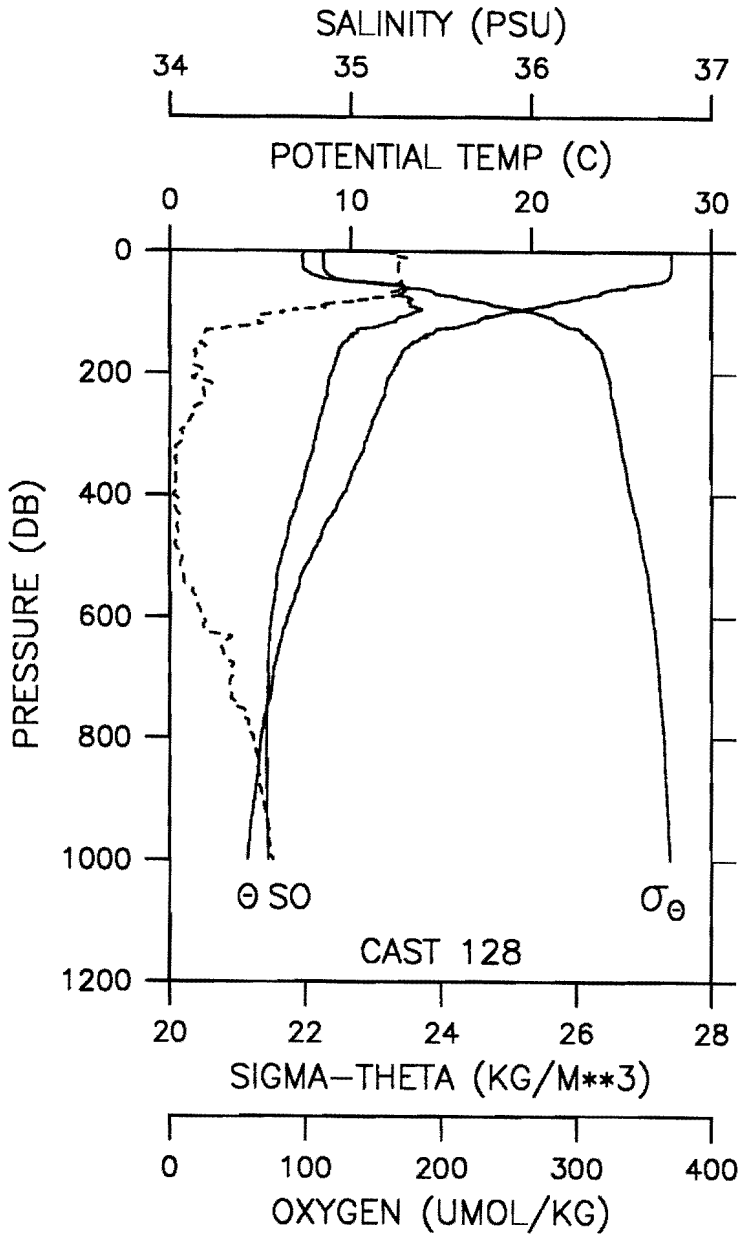
CAST CG3-94-DI -127 DATE 09 APR 94 TIME 0051 GMT
LAT 06 56.4S LONG 107 30.7W WEATHER 2 SEA STATE 4
BAROMETER 10 WIND DIR 120 T SPD 11 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 26.6 WET 24.3 DEPTH 3179 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.648	34.895	198.9	22.432	0.000
10	27.644	34.888	199.5	22.428	0.054
20	27.644	34.889	198.7	22.429	0.108
30	27.629	34.910	197.4	22.450	0.162
40	27.556	34.972	197.0	22.520	0.216
50	26.676	35.172	191.2	22.953	0.268
60	24.752	35.533	194.2	23.821	0.312
70	22.753	35.391	209.4	24.303	0.351
80	20.486	35.269	146.0	24.839	0.385
90	19.739	35.308	130.0	25.066	0.416
100	17.595	35.288	117.4	25.593	0.442
110	16.108	35.150	69.0	25.839	0.465
120	14.700	35.037	48.0	26.067	0.486
130	13.988	35.008	26.3	26.197	0.505
140	13.406	34.970	18.1	26.288	0.523
150	13.031	34.943	12.0	26.343	0.540
160	12.828	34.931	13.2	26.375	0.557
170	12.705	34.924	13.5	26.394	0.574
180	12.552	34.913	13.5	26.415	0.591
190	12.427	34.905	16.3	26.434	0.607
200	12.257	34.893	11.8	26.457	0.623
250	11.693	34.855	10.6	26.535	0.703
300	11.239	34.827	14.2	26.597	0.779
350	10.646	34.788	3.2	26.674	0.853
400	9.692	34.725	2.6	26.790	0.923
450	8.898	34.675	3.6	26.881	0.987
500	7.988	34.626	5.1	26.982	1.048
550	7.288	34.593	10.5	27.058	1.104
600	6.763	34.571	15.3	27.113	1.157
650	6.248	34.554	26.3	27.169	1.207
700	5.835	34.543	42.1	27.213	1.255
750	5.528	34.540	51.5	27.248	1.302
800	5.263	34.538	58.2	27.278	1.347
900	4.770	34.537	71.4	27.335	1.433
1000	4.263	34.544	82.9	27.396	1.514
1500	2.842	34.598	103.8	27.578	1.856
2000	2.155	34.639	120.0	27.670	2.137
2500	1.720	34.664	131.4	27.724	2.388
3000	1.560	34.674	137.9	27.744	2.622
3147	1.558	34.674	137.5	27.744	2.692

CAST CG3-94-DI -128 DATE 09 APR 94 TIME 0647 GMT

LAT 06 33.6S LONG 108 04.4W



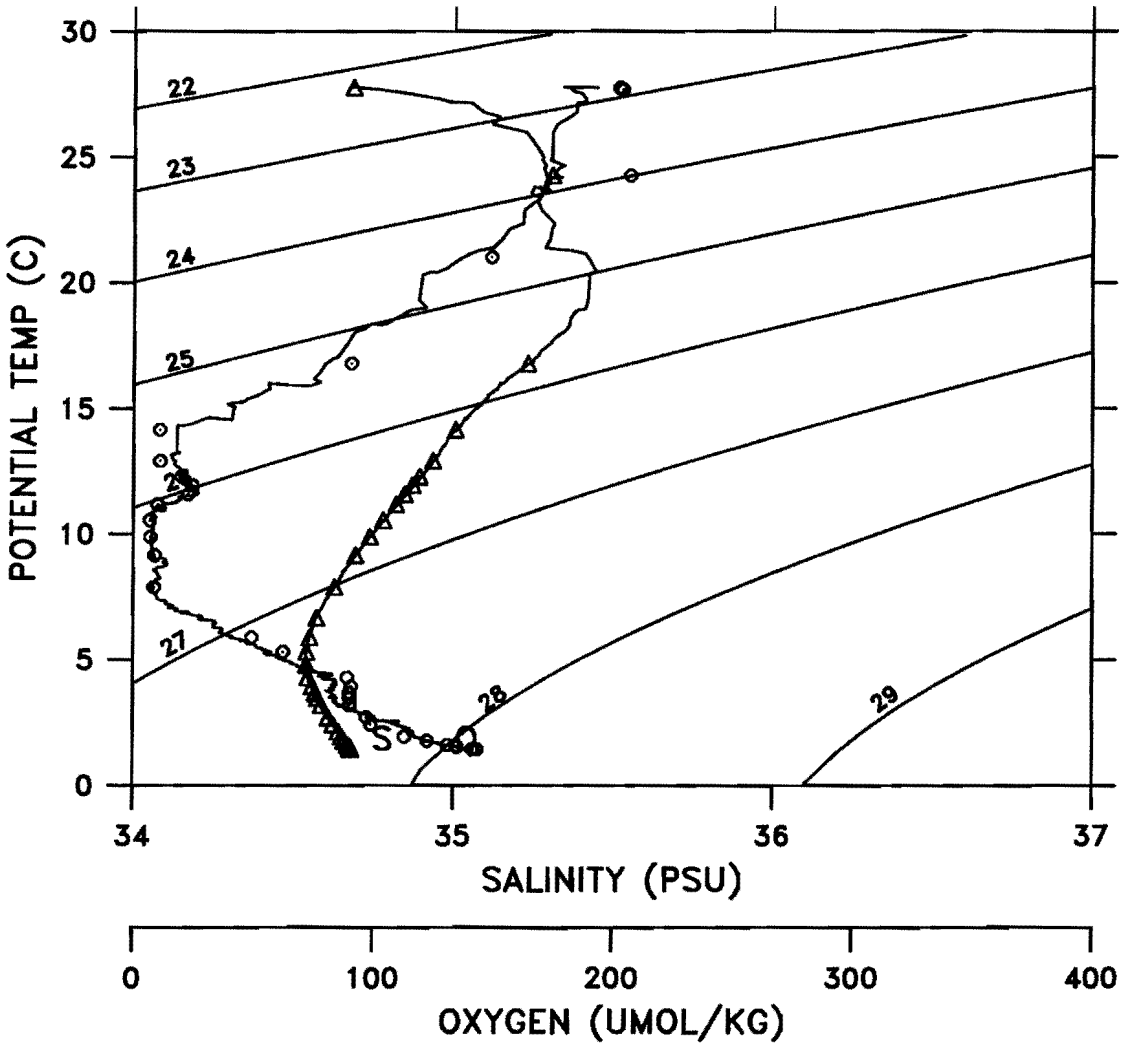


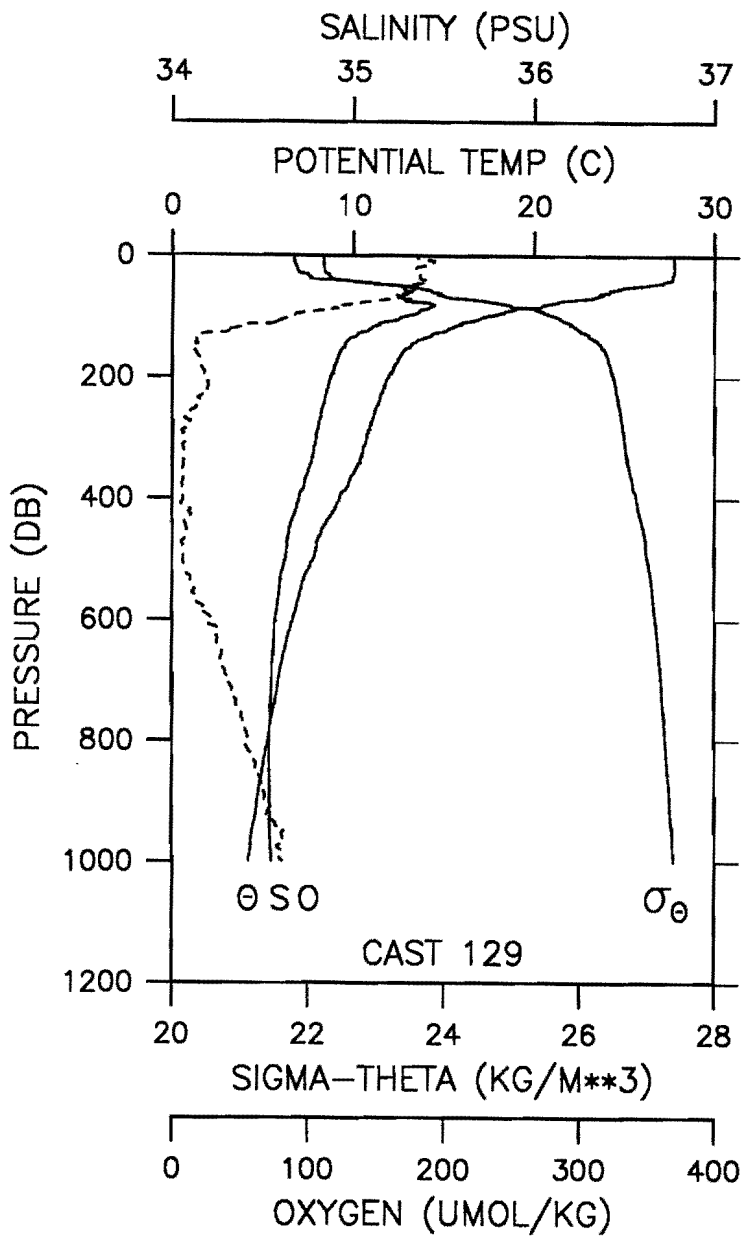
CAST CG3-94-DI -128 DATE 09 APR 94 TIME 0647 GMT
LAT 06 33.6S LONG 108 04.4W WEATHER 6 SEA STATE 4
BAROMETER 12 WIND DIR 125 T SPD 04 KT VISIBILITY 6
CLOUD 8 AMOUNT 2 DRY 26.0 WET 24.5 DEPTH 3286 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.797	34.739	169.1	22.266	0.000
10	27.795	34.733	174.4	22.263	0.056
20	27.793	34.736	168.6	22.265	0.111
30	27.779	34.742	168.5	22.275	0.167
40	27.671	34.809	168.6	22.360	0.222
50	26.949	35.063	170.8	22.784	0.276
60	25.077	35.279	168.0	23.530	0.322
70	23.733	35.274	170.8	23.930	0.363
80	22.096	35.329	139.0	24.442	0.401
90	20.320	35.341	111.8	24.939	0.434
100	18.570	35.343	81.5	25.394	0.462
110	17.223	35.257	64.9	25.659	0.487
120	16.351	35.179	61.6	25.805	0.510
130	14.700	35.039	26.8	26.069	0.531
140	14.246	35.013	24.7	26.146	0.550
150	13.411	34.958	22.7	26.278	0.568
160	12.975	34.938	22.6	26.350	0.585
170	12.793	34.930	19.5	26.381	0.602
180	12.586	34.916	19.3	26.411	0.619
190	12.401	34.905	20.6	26.438	0.636
200	12.242	34.893	23.3	26.460	0.652
250	11.639	34.854	23.9	26.544	0.731
300	10.992	34.812	9.2	26.631	0.806
350	10.274	34.763	4.5	26.720	0.878
400	9.577	34.718	2.8	26.803	0.946
450	8.582	34.659	5.3	26.918	1.010
500	7.856	34.620	9.3	26.997	1.069
550	7.141	34.591	14.5	27.077	1.124
600	6.512	34.562	23.6	27.140	1.176
650	6.039	34.548	38.4	27.191	1.225
700	5.717	34.545	45.5	27.229	1.272
750	5.358	34.536	50.8	27.265	1.318
800	5.047	34.535	61.2	27.301	1.362
900	4.700	34.538	68.9	27.343	1.446
1000	4.294	34.546	76.1	27.394	1.526
1500	2.900	34.599	89.3	27.574	1.870
2000	2.157	34.640	111.7	27.671	2.152
2500	1.722	34.663	123.0	27.724	2.402
3000	1.518	34.676	133.3	27.749	2.636
3277	1.498	34.676	133.3	27.750	2.766

CAST CG3-94-DI -129 DATE 09 APR 94 TIME 1258 GMT

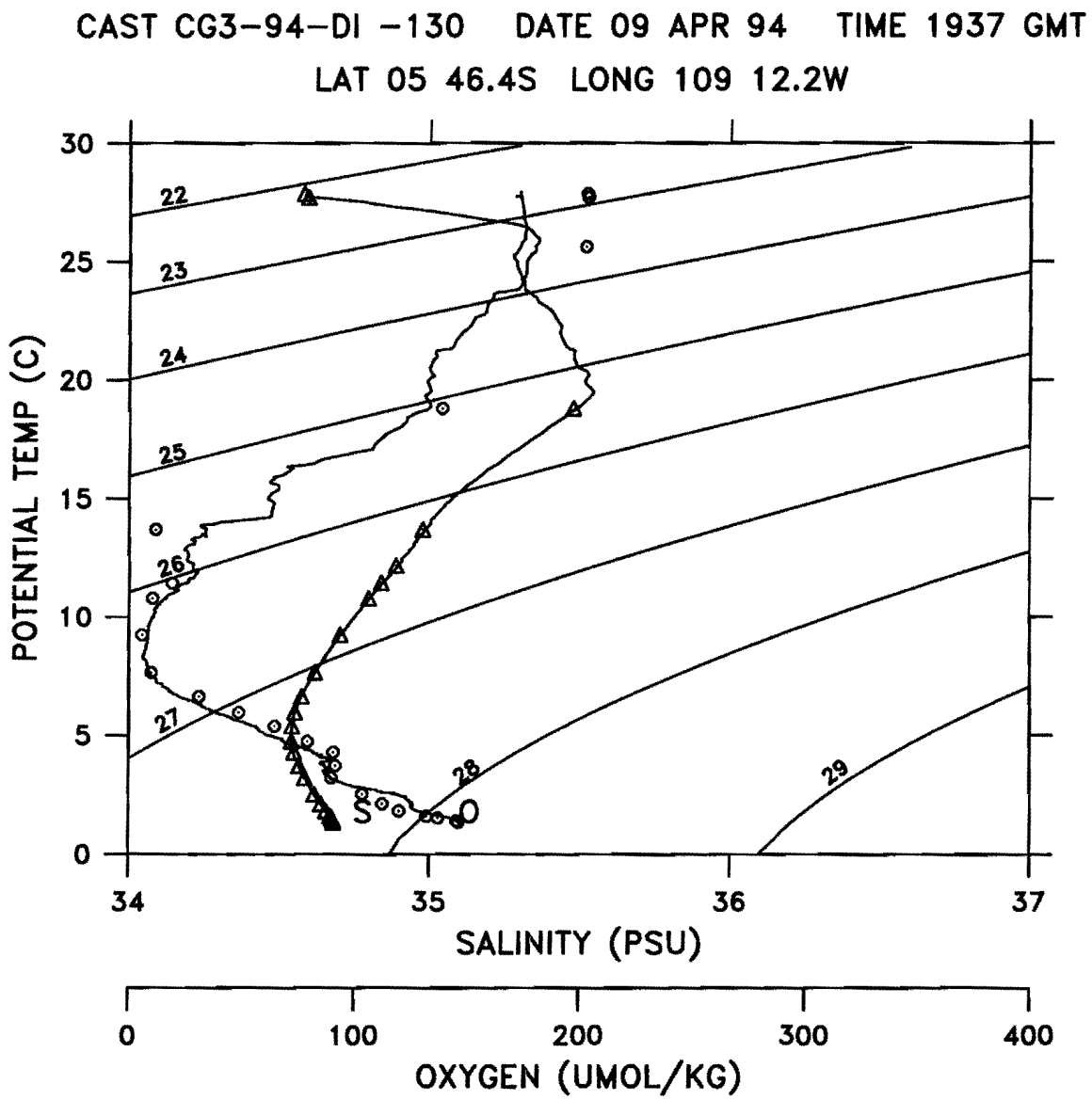
LAT 06 09.3S LONG 108 38.5W

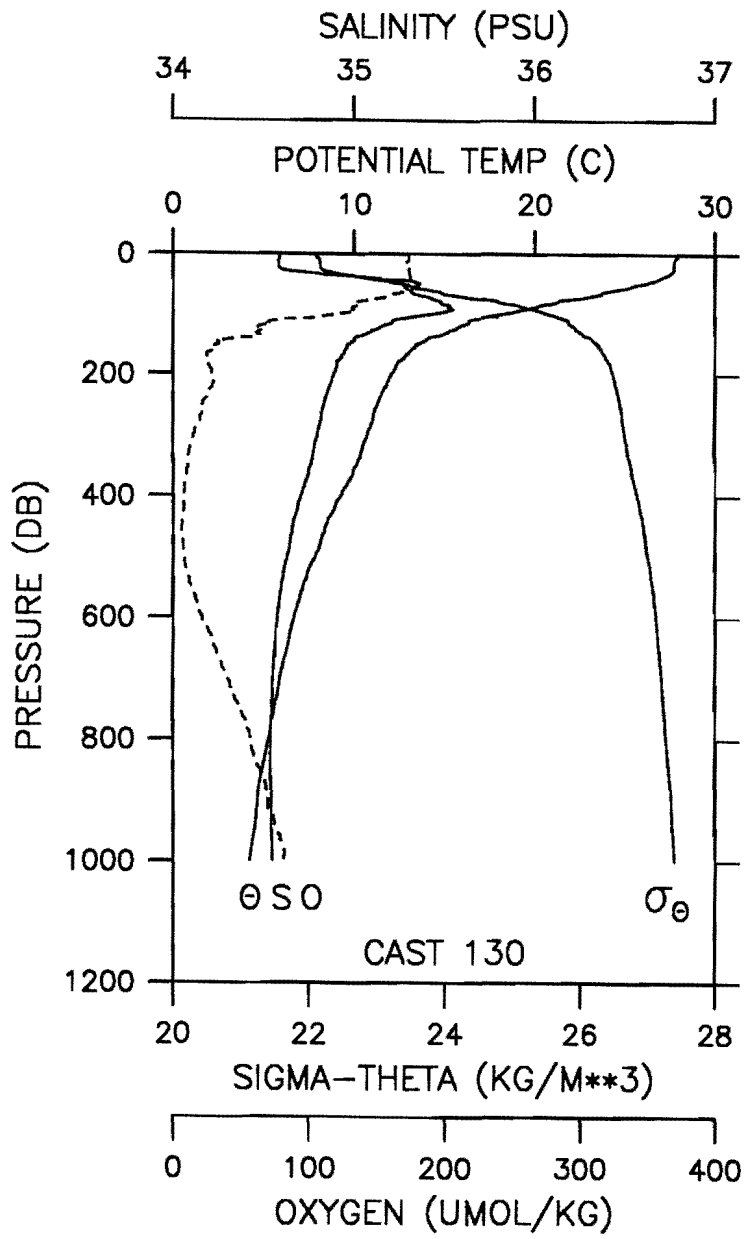




CAST CG3-94-DI -129 DATE 09 APR 94 TIME 1258 GMT
LAT 06 09.3S LONG 108 38.5W WEATHER 6 SEA STATE 4
BAROMETER 10 WIND DIR 080 T SPD 06 KT VISIBILITY 6
CLOUD 5 AMOUNT 6 DRY 25.6 WET 24.2 DEPTH 3300 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.768	34.673	185.5	22.227	0.000
10	27.763	34.673	192.6	22.228	0.056
20	27.786	34.688	179.7	22.232	0.112
30	27.716	34.740	182.7	22.294	0.168
40	27.532	34.853	186.4	22.438	0.223
50	25.302	35.264	174.1	23.450	0.273
60	24.160	35.298	173.7	23.821	0.315
70	22.885	35.274	162.5	24.176	0.354
80	20.565	35.441	129.7	24.949	0.388
90	18.567	35.365	108.6	25.412	0.416
100	17.279	35.272	86.6	25.658	0.441
110	16.041	35.158	77.6	25.861	0.463
120	15.257	35.091	45.3	25.986	0.485
130	14.310	35.020	18.3	26.138	0.504
140	13.506	34.968	17.7	26.266	0.523
150	13.150	34.952	15.3	26.326	0.540
160	12.694	34.925	17.5	26.396	0.557
170	12.475	34.911	20.5	26.429	0.574
180	12.328	34.903	21.2	26.451	0.590
190	12.145	34.888	23.2	26.475	0.606
200	11.971	34.878	23.5	26.500	0.622
250	11.284	34.831	17.5	26.592	0.699
300	10.735	34.793	8.3	26.662	0.772
350	10.161	34.758	7.8	26.736	0.843
400	9.264	34.701	8.2	26.841	0.909
450	8.289	34.646	10.6	26.953	0.971
500	7.795	34.624	8.2	27.010	1.029
550	7.114	34.592	16.5	27.082	1.084
600	6.678	34.572	27.2	27.126	1.136
650	6.224	34.558	36.9	27.175	1.186
700	5.873	34.550	40.5	27.214	1.234
750	5.580	34.543	50.8	27.244	1.281
800	5.305	34.542	57.5	27.276	1.326
900	4.716	34.539	69.3	27.342	1.411
1000	4.218	34.548	81.5	27.404	1.491
1500	2.966	34.596	93.2	27.566	1.839
2000	2.134	34.641	115.8	27.674	2.122
2500	1.744	34.662	124.3	27.721	2.371
3000	1.532	34.675	135.0	27.747	2.604
3309	1.430	34.679	138.9	27.758	2.748


CAST CG3-94-DI -130 DATE 09 APR 94 TIME 1937 GMT
LAT 05 46.4S LONG 109 12.2W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
22
23
24
25
26
27
28
29
S
O

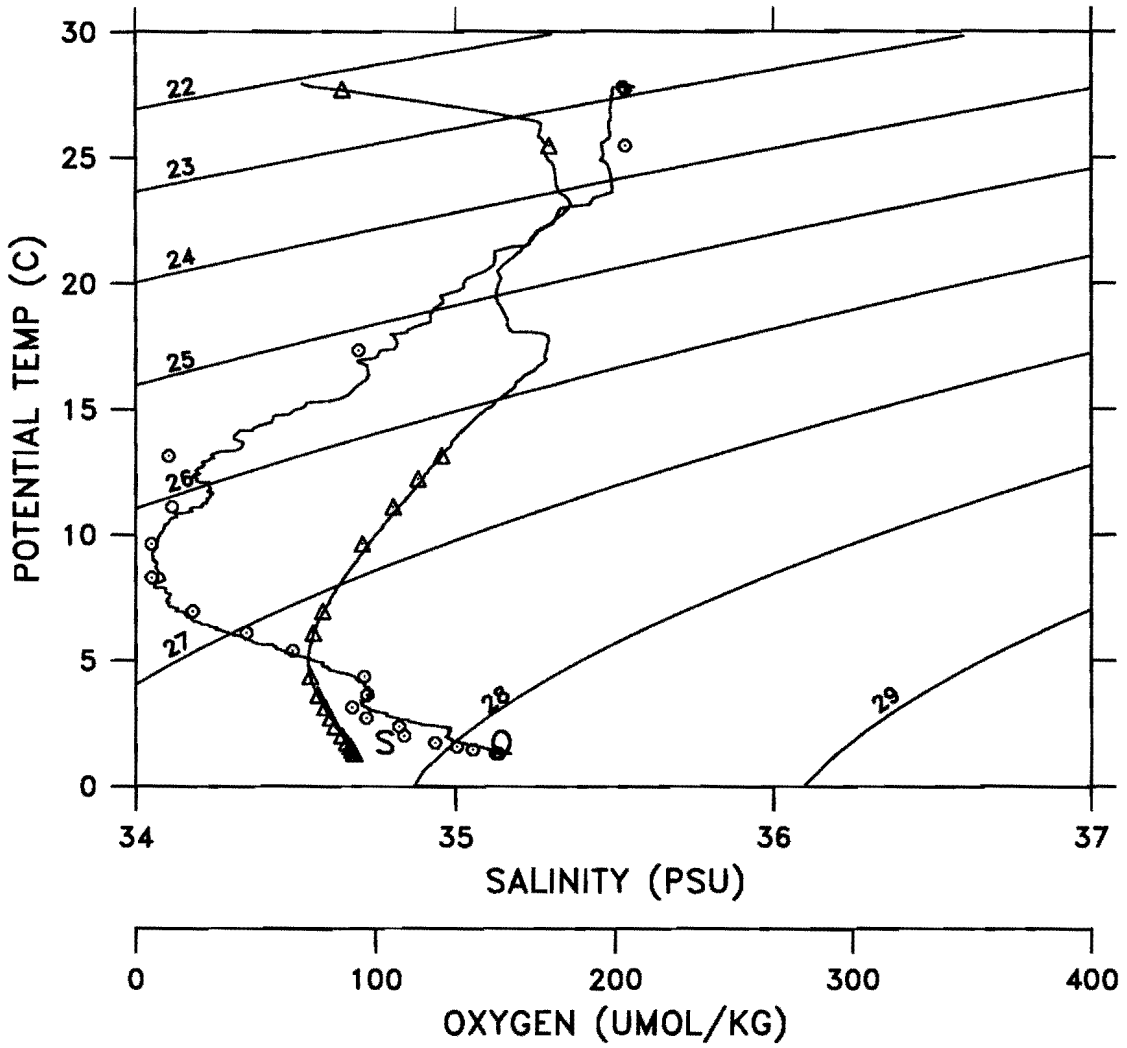


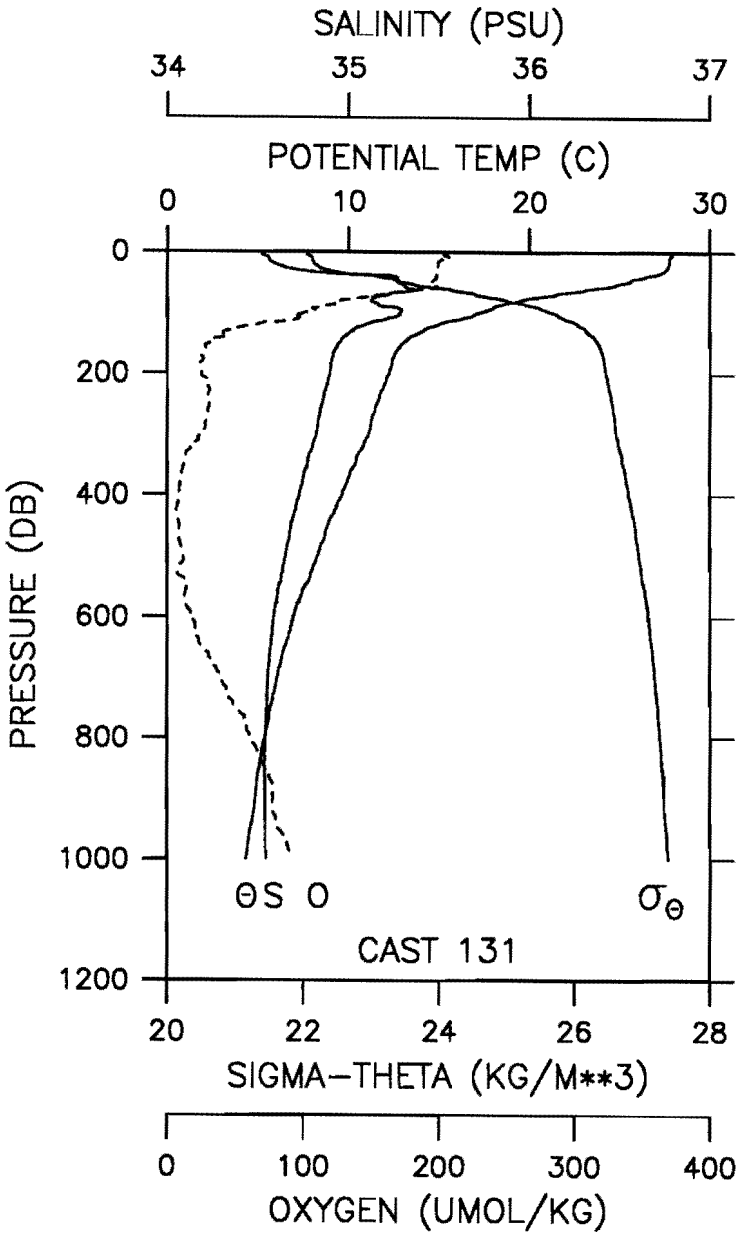
CAST CG3-94-DI -130 DATE 09 APR 94 TIME 1937 GMT
LAT 05 46.4S LONG 109 12.2W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 155 T SPD 12 KT VISIBILITY 7
CLOUD 7 AMOUNT 6 DRY 29.1 WET 26.0 DEPTH 3474 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.948	34.589	173.5	22.105	0.000
10	27.772	34.583	173.5	22.158	0.057
20	27.737	34.584	174.0	22.170	0.114
30	27.595	34.714	174.0	22.314	0.170
40	26.928	35.107	174.9	22.824	0.223
50	25.803	35.361	174.0	23.369	0.271
60	24.391	35.317	173.9	23.766	0.314
70	23.114	35.385	158.5	24.194	0.354
80	21.227	35.484	135.8	24.802	0.388
90	19.812	35.522	132.6	25.211	0.418
100	18.271	35.430	123.1	25.535	0.444
110	16.421	35.221	77.4	25.821	0.467
120	15.835	35.157	64.1	25.907	0.489
130	15.219	35.093	62.8	25.996	0.510
140	14.114	35.004	52.3	26.167	0.529
150	13.488	34.974	33.8	26.274	0.548
160	13.168	34.954	28.9	26.324	0.565
170	12.823	34.933	24.6	26.377	0.583
180	12.431	34.906	25.5	26.434	0.599
190	12.276	34.903	27.5	26.461	0.615
200	12.066	34.890	28.2	26.491	0.631
250	11.292	34.834	21.8	26.594	0.708
300	10.757	34.799	15.4	26.663	0.782
350	10.117	34.758	10.8	26.743	0.852
400	9.281	34.707	8.0	26.844	0.919
450	8.430	34.660	6.5	26.941	0.980
500	7.863	34.630	8.1	27.004	1.039
550	7.185	34.597	13.8	27.076	1.094
600	6.691	34.577	21.1	27.128	1.146
650	6.310	34.563	30.8	27.168	1.196
700	5.889	34.551	40.2	27.212	1.244
750	5.567	34.545	49.8	27.247	1.291
800	5.292	34.542	57.1	27.278	1.336
900	4.649	34.543	69.7	27.353	1.421
1000	4.245	34.548	82.7	27.401	1.501
1500	2.997	34.596	94.6	27.563	1.849
2000	2.138	34.638	125.9	27.671	2.133
2500	1.687	34.665	134.9	27.728	2.380
3000	1.493	34.676	144.9	27.751	2.612
3500	1.353	34.682	151.5	27.766	2.840
3507	1.351	34.683	151.1	27.766	2.843

CAST CG3-94-DI -131 DATE 10 APR 94 TIME 0152 GMT

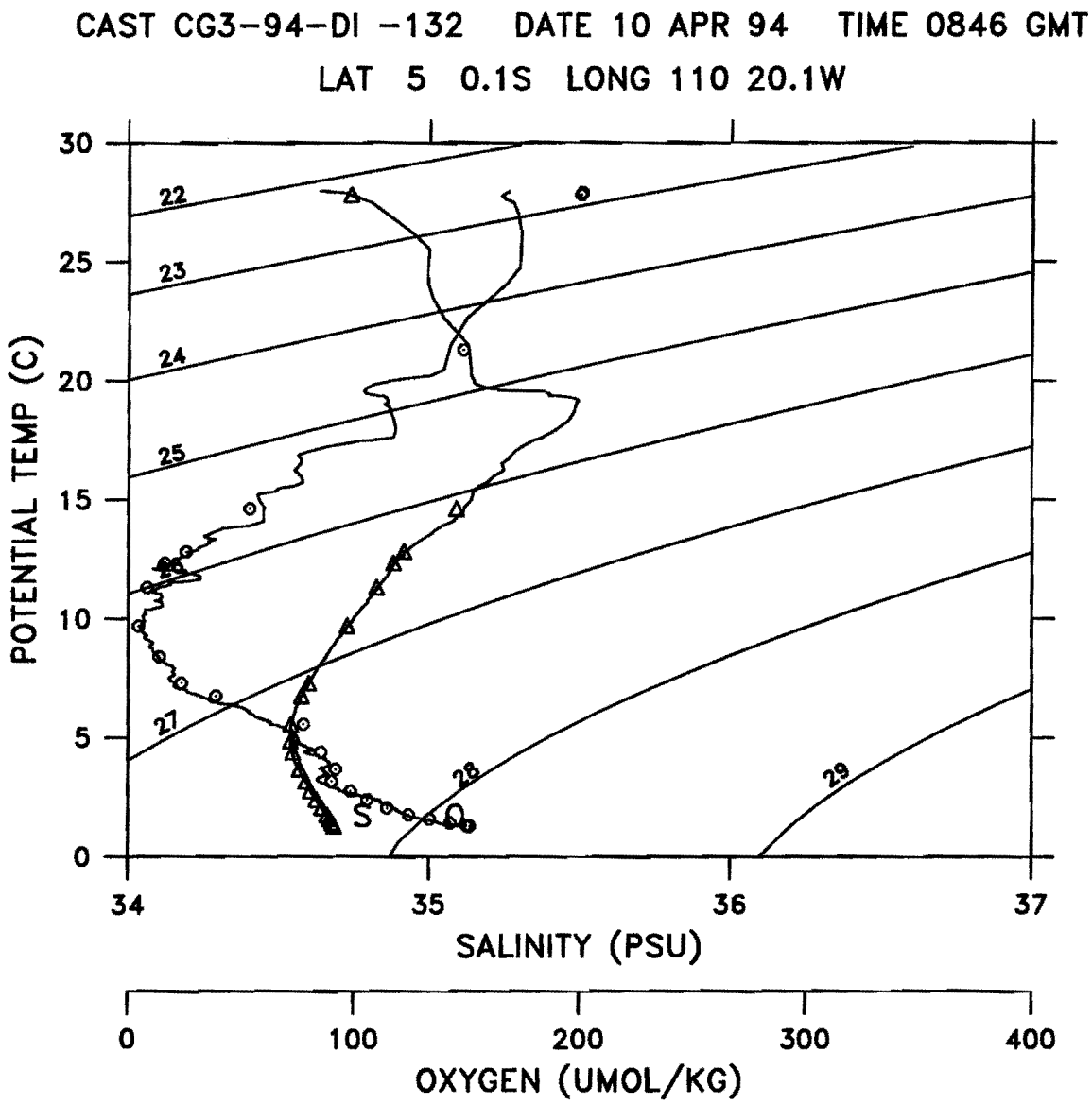
LAT 05 23.6S LONG 109 46.0W

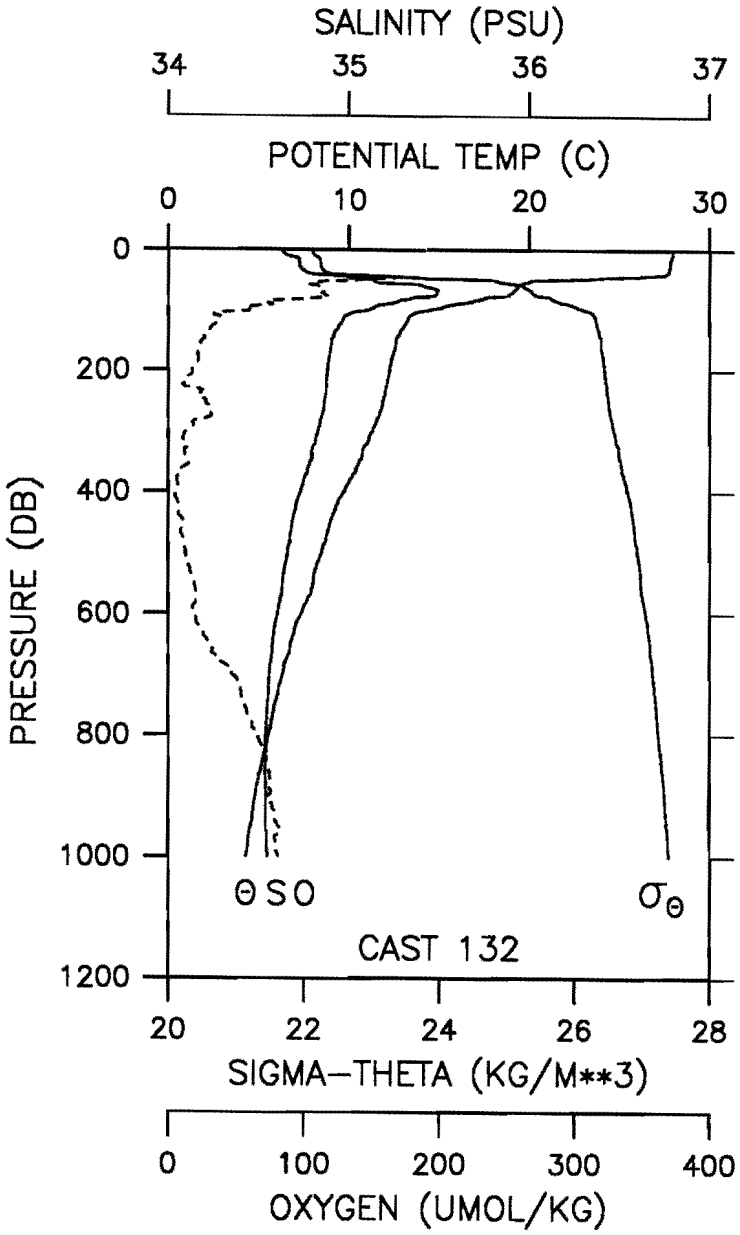




CAST CG3-94-DI -131 DATE 10 APR 94 TIME 0152 GMT
LAT 05 23.6S LONG 109 46.0W WEATHER 6 SEA STATE 3
BAROMETER 09 WIND DIR 190 T SPD 05 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 25.9 WET 24.5 DEPTH 3800 M

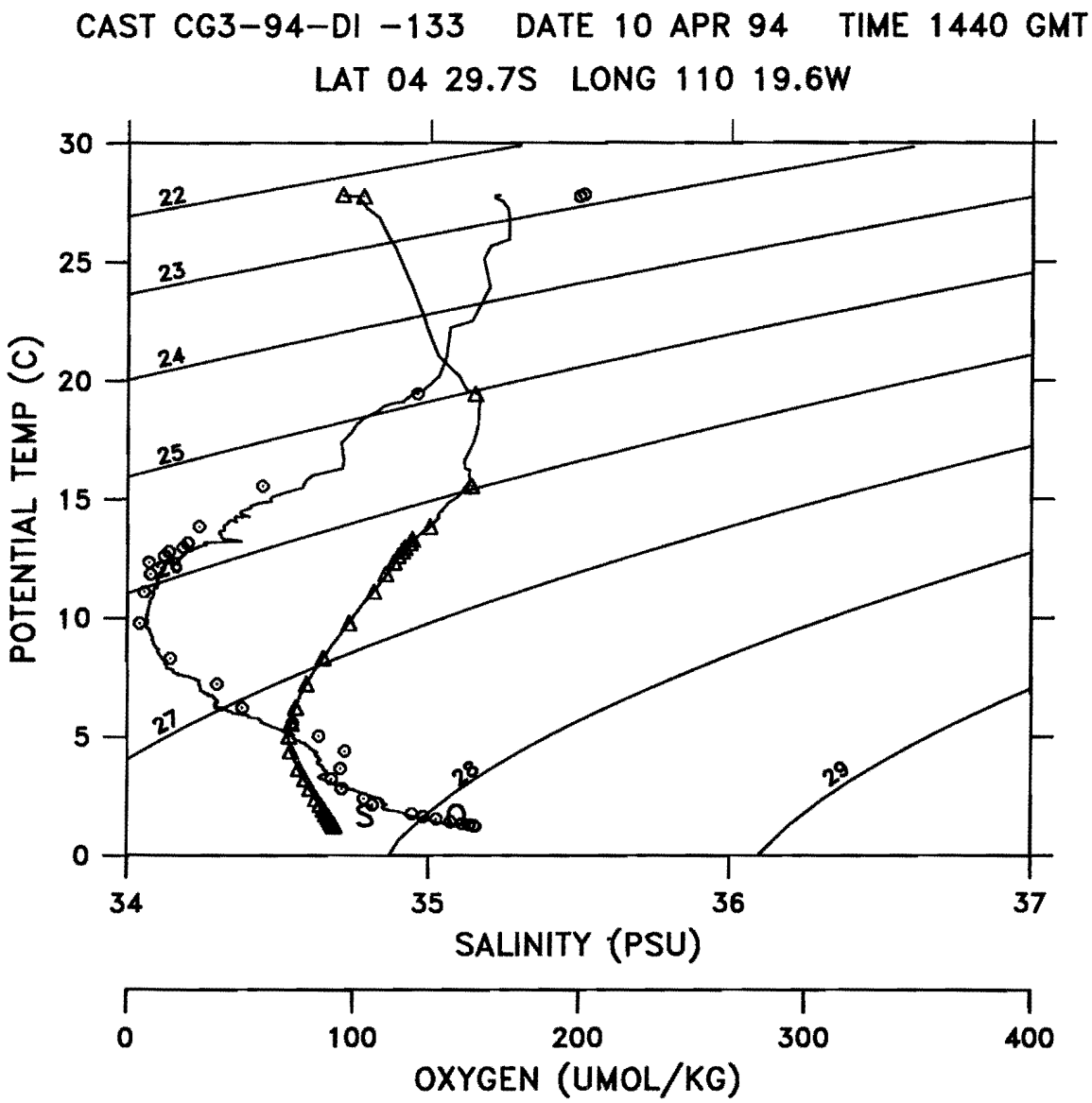
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.942	34.522	203.1	22.056	0.000
10	27.796	34.558	208.3	22.131	0.057
20	27.744	34.602	199.4	22.181	0.114
30	27.514	34.730	199.0	22.352	0.170
40	26.432	35.255	197.5	23.092	0.222
50	25.302	35.274	194.9	23.458	0.268
60	23.385	35.352	191.1	24.090	0.310
70	21.448	35.214	156.9	24.536	0.346
80	19.452	35.125	127.2	25.001	0.377
90	18.046	35.242	112.8	25.447	0.405
100	17.083	35.279	100.8	25.709	0.429
110	16.197	35.206	96.5	25.862	0.452
120	14.913	35.089	65.5	26.061	0.472
130	14.130	35.025	43.1	26.180	0.491
140	13.375	34.971	42.1	26.295	0.510
150	13.030	34.950	31.2	26.349	0.527
160	12.730	34.927	28.1	26.390	0.544
170	12.527	34.915	25.2	26.422	0.560
180	12.398	34.904	26.0	26.438	0.577
190	12.311	34.902	24.1	26.453	0.593
200	12.243	34.897	25.3	26.463	0.609
250	11.566	34.855	30.8	26.559	0.688
300	11.102	34.822	27.2	26.619	0.763
350	10.356	34.774	12.1	26.714	0.835
400	9.635	34.729	8.4	26.802	0.903
450	8.838	34.683	8.8	26.896	0.967
500	8.301	34.653	11.9	26.956	1.027
550	7.599	34.615	14.6	27.031	1.085
600	6.967	34.588	16.5	27.099	1.139
650	6.497	34.569	26.7	27.148	1.191
700	6.075	34.556	39.0	27.192	1.240
750	5.676	34.548	50.4	27.236	1.288
800	5.385	34.542	61.1	27.267	1.334
900	4.852	34.540	77.9	27.327	1.420
1000	4.353	34.545	91.3	27.387	1.502
1500	2.927	34.598	102.5	27.571	1.848
2000	2.133	34.640	130.3	27.673	2.129
2500	1.661	34.666	138.3	27.730	2.375
3000	1.462	34.677	148.1	27.754	2.606
3500	1.309	34.684	156.1	27.771	2.829
3660	1.307	34.684	152.2	27.770	2.902

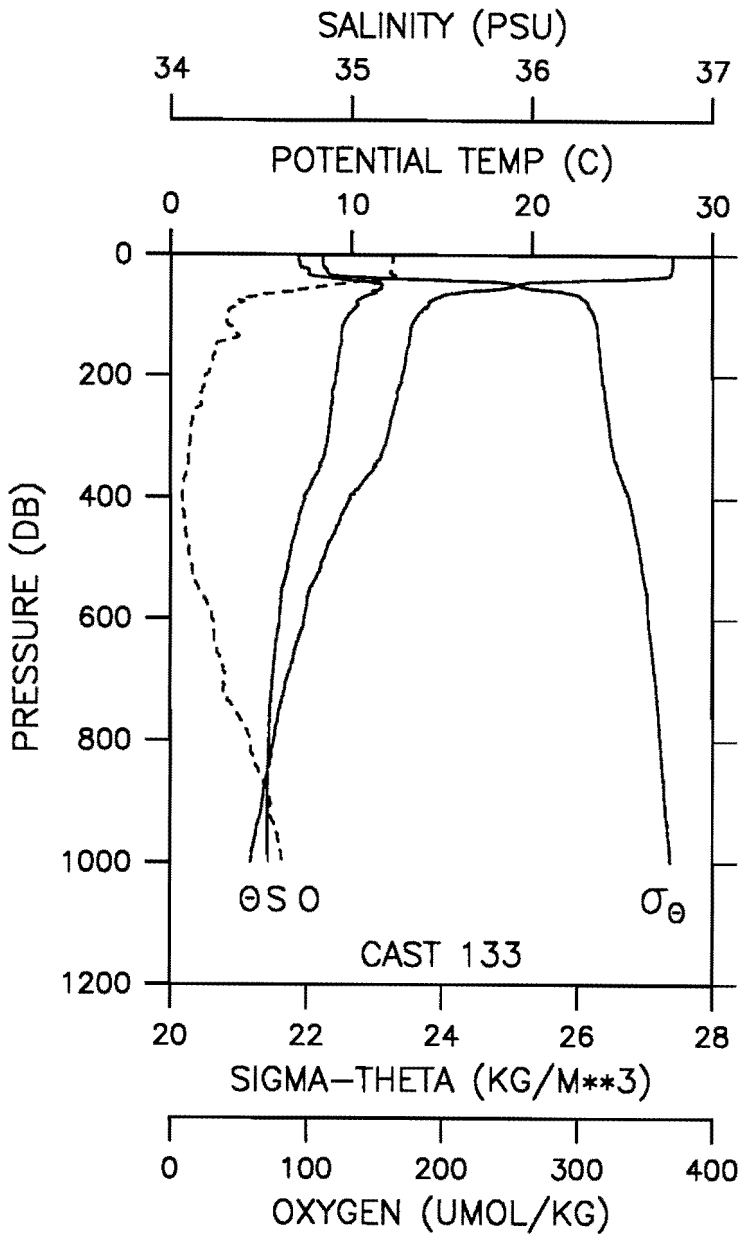

CAST CG3-94-DI -132 DATE 10 APR 94 TIME 0846 GMT
LAT 5 0.1S LONG 110 20.1W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
22
23
24
25
27
28
29
34
35
36
37
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)



CAST CG3-94-DI -132 DATE 10 APR 94 TIME 0846 GMT
LAT 5 0.1S LONG 110 20.1W WEATHER 1 SEA STATE 4
BAROMETER 9 WIND DIR 130 T SPD 8 KT VISIBILITY 9
CLOUD 9 AMOUNT 8 DRY 25.3 WET 23.8 DEPTH 3448 M

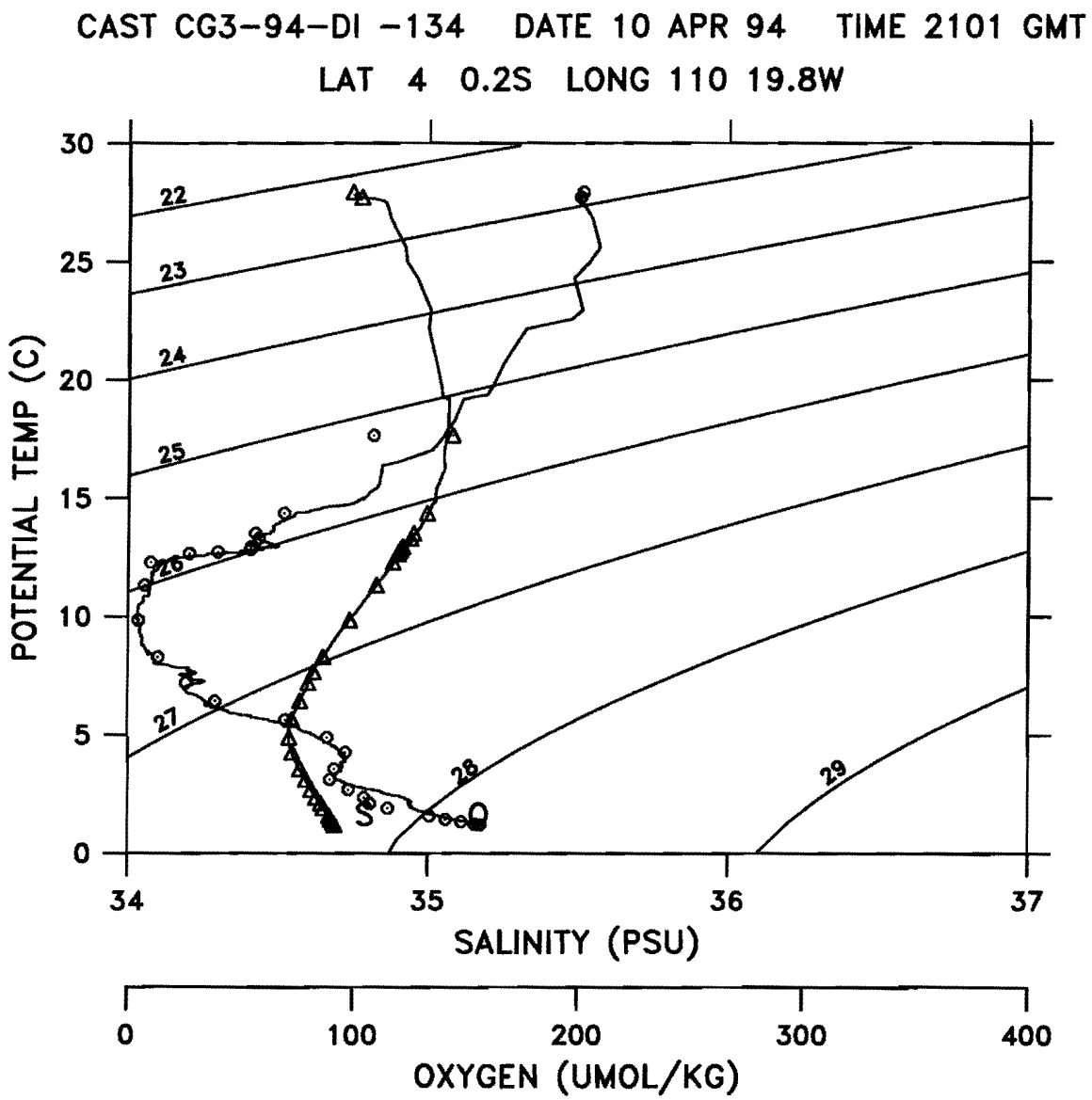
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.966	34.635	168.5	22.134	0.000
10	27.945	34.667	168.5	22.165	0.057
20	27.835	34.724	166.4	22.243	0.113
30	27.801	34.734	165.9	22.261	0.169
40	27.553	34.789	168.5	22.384	0.224
50	20.444	35.139	139.4	24.751	0.269
60	19.366	35.413	110.9	25.244	0.299
70	19.073	35.489	114.7	25.378	0.325
80	17.493	35.344	106.5	25.661	0.350
90	15.977	35.212	76.4	25.917	0.373
100	14.528	35.115	59.6	26.164	0.393
110	13.366	34.981	36.3	26.304	0.411
120	13.188	34.960	35.6	26.324	0.428
130	13.000	34.938	31.2	26.346	0.445
140	12.806	34.919	26.4	26.369	0.462
150	12.623	34.904	25.8	26.394	0.479
160	12.585	34.901	23.5	26.399	0.496
170	12.489	34.895	22.0	26.413	0.512
180	12.371	34.889	22.0	26.432	0.529
190	12.327	34.885	20.6	26.437	0.545
200	12.262	34.882	17.7	26.447	0.561
250	11.904	34.865	27.6	26.503	0.642
300	11.323	34.829	13.5	26.584	0.719
350	10.556	34.784	14.9	26.687	0.793
400	9.738	34.734	5.8	26.789	0.862
450	8.971	34.686	10.9	26.878	0.927
500	8.484	34.660	12.6	26.933	0.989
550	8.020	34.634	19.2	26.984	1.048
600	7.359	34.604	18.9	27.056	1.105
650	6.763	34.577	31.1	27.118	1.158
700	6.342	34.560	46.9	27.161	1.209
750	5.900	34.549	56.4	27.209	1.258
800	5.551	34.541	63.7	27.246	1.305
900	4.800	34.541	73.2	27.335	1.393
1000	4.280	34.547	81.7	27.396	1.474
1500	2.964	34.599	88.8	27.568	1.816
2000	2.146	34.639	116.1	27.671	2.098
2500	1.673	34.666	126.4	27.729	2.345
3000	1.423	34.677	137.8	27.757	2.575
3476	1.287	34.685	144.9	27.772	2.787


CAST CG3-94-DI -133 DATE 10 APR 94 TIME 1440 GMT
LAT 04 29.7S LONG 110 19.6W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
22
23
24
25
27
28
29
34
35
36
37
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)



CAST CG3-94-DI -133 DATE 10 APR 94 TIME 1440 GMT
LAT 04 29.7S LONG 110 19.6W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 135 T SPD 09 KT VISIBILITY 8
CLOUD 6 AMOUNT 6 DRY 27.8 WET 25.4 DEPTH 3810 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.807	34.709	163.9	22.241	0.000
10	27.807	34.707	164.0	22.240	0.056
20	27.770	34.727	162.0	22.266	0.112
30	27.698	34.764	162.0	22.317	0.167
40	23.955	34.940	160.0	23.611	0.219
50	19.066	35.168	118.6	25.134	0.252
60	16.288	35.118	94.5	25.773	0.278
70	14.839	35.063	58.2	26.056	0.298
80	14.290	35.032	50.8	26.151	0.318
90	13.948	35.009	43.7	26.206	0.336
100	13.666	34.982	40.9	26.244	0.354
110	13.432	34.961	41.4	26.275	0.372
120	13.275	34.946	46.3	26.296	0.390
130	13.251	34.943	48.4	26.299	0.407
140	13.205	34.942	44.5	26.308	0.425
150	13.156	34.940	33.9	26.316	0.442
160	13.050	34.931	32.7	26.330	0.459
170	12.997	34.926	31.0	26.337	0.477
180	12.960	34.923	30.9	26.342	0.494
190	12.904	34.921	29.1	26.351	0.511
200	12.805	34.913	25.7	26.365	0.528
250	12.364	34.887	22.8	26.432	0.612
300	11.995	34.868	14.8	26.488	0.694
350	11.238	34.823	11.8	26.595	0.773
400	9.906	34.738	8.7	26.764	0.845
450	9.159	34.696	11.2	26.855	0.911
500	8.457	34.656	14.4	26.935	0.973
550	7.706	34.616	20.5	27.016	1.032
600	7.384	34.601	30.8	27.051	1.088
650	6.875	34.579	34.2	27.104	1.142
700	6.420	34.563	38.9	27.154	1.194
750	5.997	34.549	46.7	27.197	1.243
800	5.710	34.544	58.4	27.229	1.291
900	5.080	34.536	73.7	27.298	1.382
1000	4.411	34.542	82.4	27.378	1.465
1500	3.019	34.596	91.3	27.561	1.814
2000	2.153	34.639	114.6	27.670	2.101
2500	1.690	34.663	124.5	27.725	2.350
3000	1.449	34.676	136.0	27.754	2.581
3500	1.255	34.686	145.4	27.776	2.803
3870	1.236	34.687	145.8	27.778	2.969


CAST CG3-94-DI -134 DATE 10 APR 94 TIME 2101 GMT
LAT 4 0.2S LONG 110 19.8W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
22
23
24
25
26
27
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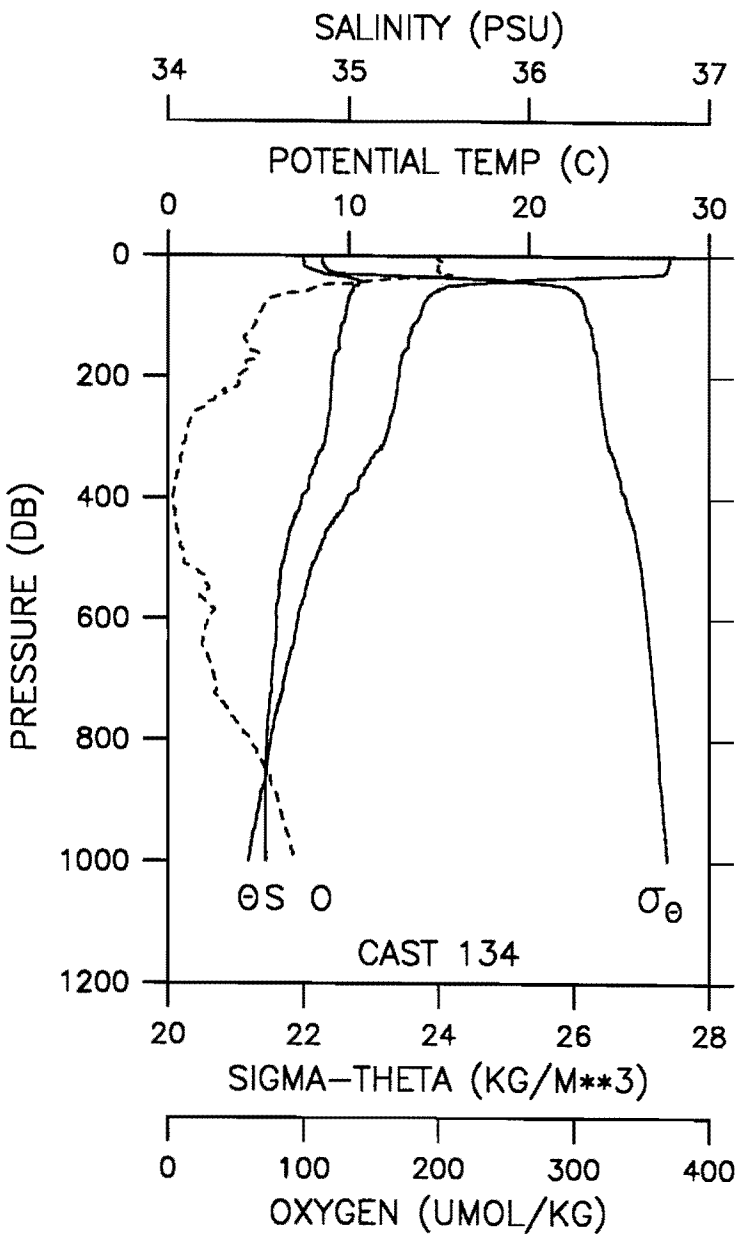
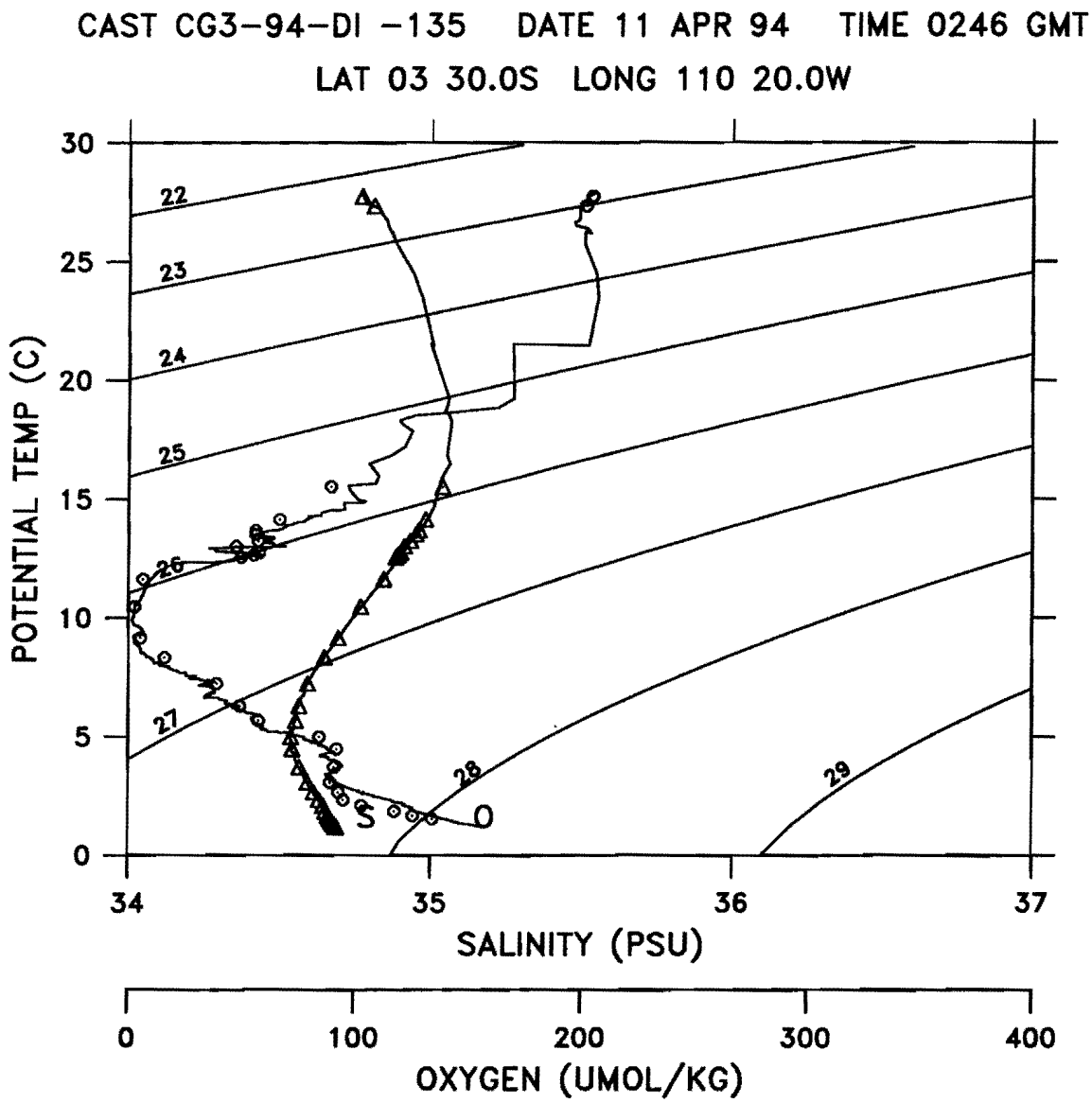
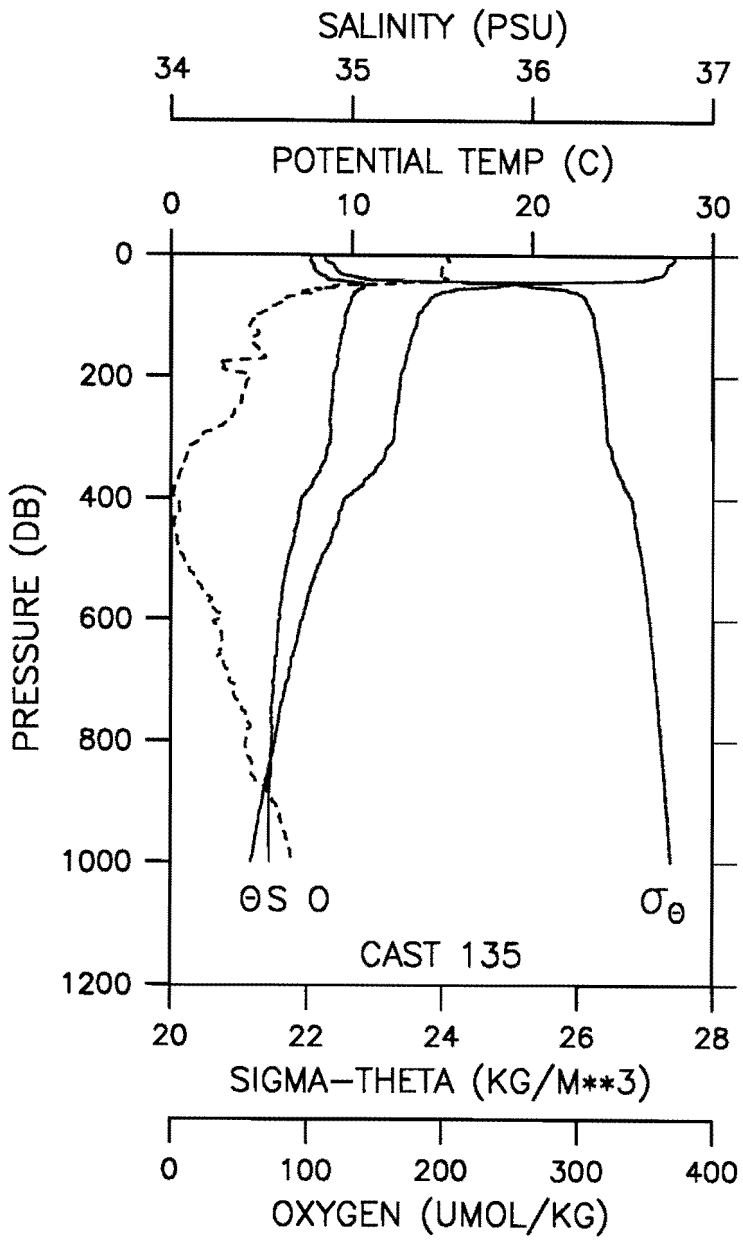
30
25
20
15
10
5
0
34
35
36
37
0
100
200
300
400



CAST CG3-94-DI -134 DATE 10 APR 94 TIME 2101 GMT
LAT 4 0.2S LONG 110 19.8W WEATHER 8 SEA STATE 4
BAROMETER 8 WIND DIR 120 T SPD 18 KT VISIBILITY 6
CLOUD 6 AMOUNT 9 DRY 26.2 WET 24.9 DEPTH 3873 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.808	34.749	199.8	22.270	0.000
10	27.824	34.753	203.1	22.268	0.056
20	27.690	34.775	199.4	22.328	0.111
30	26.839	34.870	205.7	22.673	0.165
40	19.262	35.048	152.4	24.992	0.204
50	15.425	35.026	110.2	25.899	0.229
60	14.710	35.011	96.8	26.045	0.249
70	14.382	35.001	74.7	26.108	0.269
80	14.152	34.991	71.2	26.149	0.288
90	14.043	34.985	69.0	26.168	0.306
100	13.938	34.979	67.0	26.185	0.325
110	13.701	34.969	64.6	26.226	0.343
120	13.489	34.954	62.4	26.258	0.361
130	13.393	34.949	58.9	26.275	0.379
140	13.304	34.943	56.9	26.288	0.397
150	13.299	34.946	57.7	26.291	0.414
160	13.027	34.928	65.7	26.332	0.432
170	12.922	34.916	65.2	26.344	0.449
180	12.837	34.911	59.1	26.357	0.466
190	12.808	34.910	56.8	26.362	0.483
200	12.781	34.909	51.2	26.366	0.500
250	12.525	34.897	26.6	26.408	0.585
300	12.042	34.871	12.9	26.481	0.667
350	10.929	34.803	9.1	26.635	0.745
400	9.895	34.737	3.7	26.765	0.817
450	8.829	34.676	5.8	26.892	0.882
500	8.180	34.643	11.6	26.967	0.943
550	7.609	34.614	30.2	27.028	1.000
600	7.189	34.599	32.0	27.076	1.055
650	6.842	34.589	25.7	27.117	1.108
700	6.427	34.573	34.5	27.160	1.159
750	6.043	34.559	43.3	27.199	1.209
800	5.672	34.545	60.6	27.234	1.256
900	5.079	34.536	81.3	27.299	1.347
1000	4.414	34.542	92.7	27.378	1.431
1500	2.928	34.601	97.0	27.573	1.778
2000	2.127	34.642	124.8	27.675	2.060
2500	1.719	34.661	132.0	27.722	2.308
3000	1.438	34.676	145.2	27.755	2.541
3500	1.239	34.686	154.9	27.777	2.762
3910	1.202	34.689	155.9	27.782	2.943


CAST CG3-94-DI -135 DATE 11 APR 94 TIME 0246 GMT
LAT 03 30.0S LONG 110 20.0W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
22
23
24
25
26
27
28
29
S
O

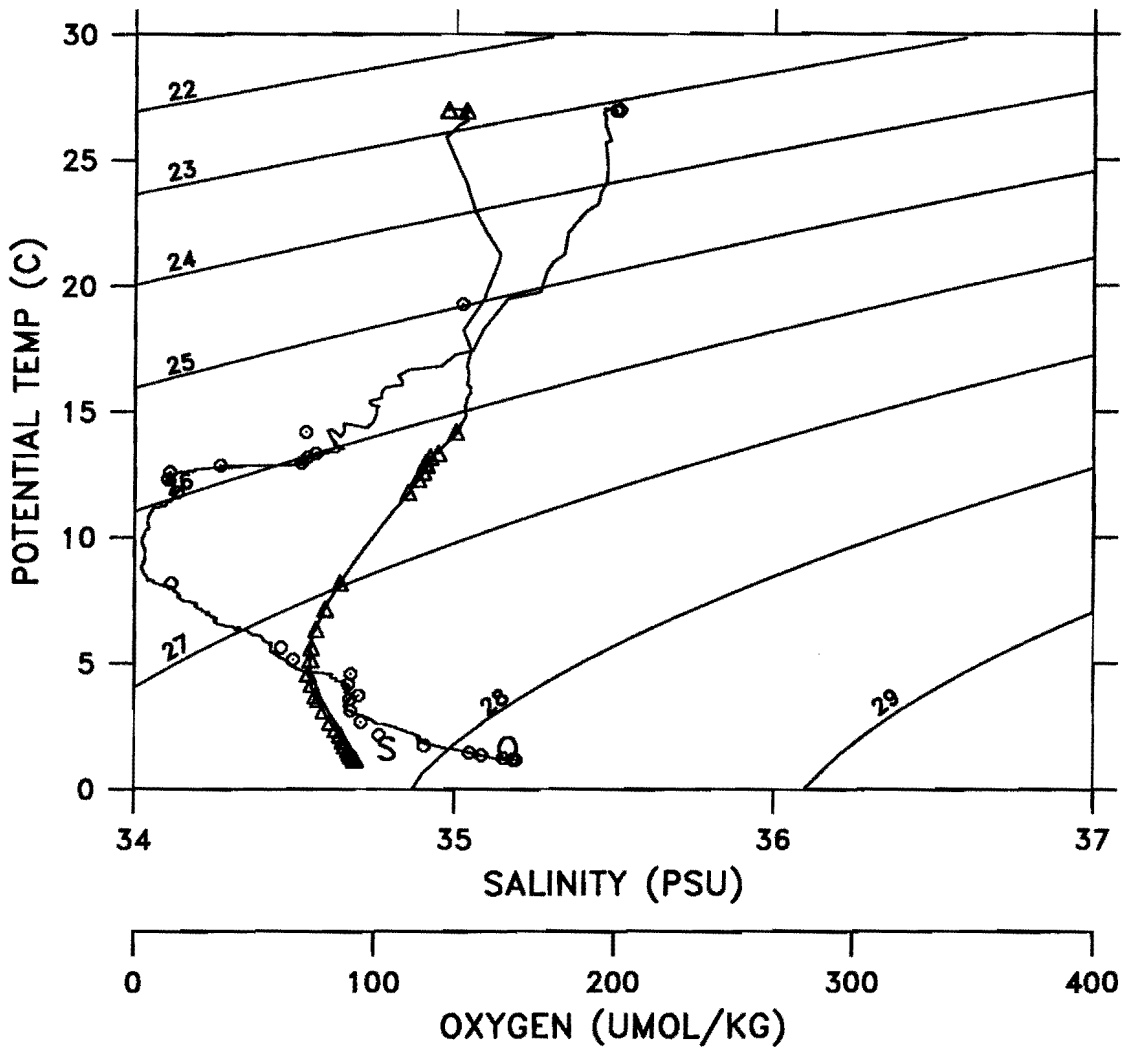


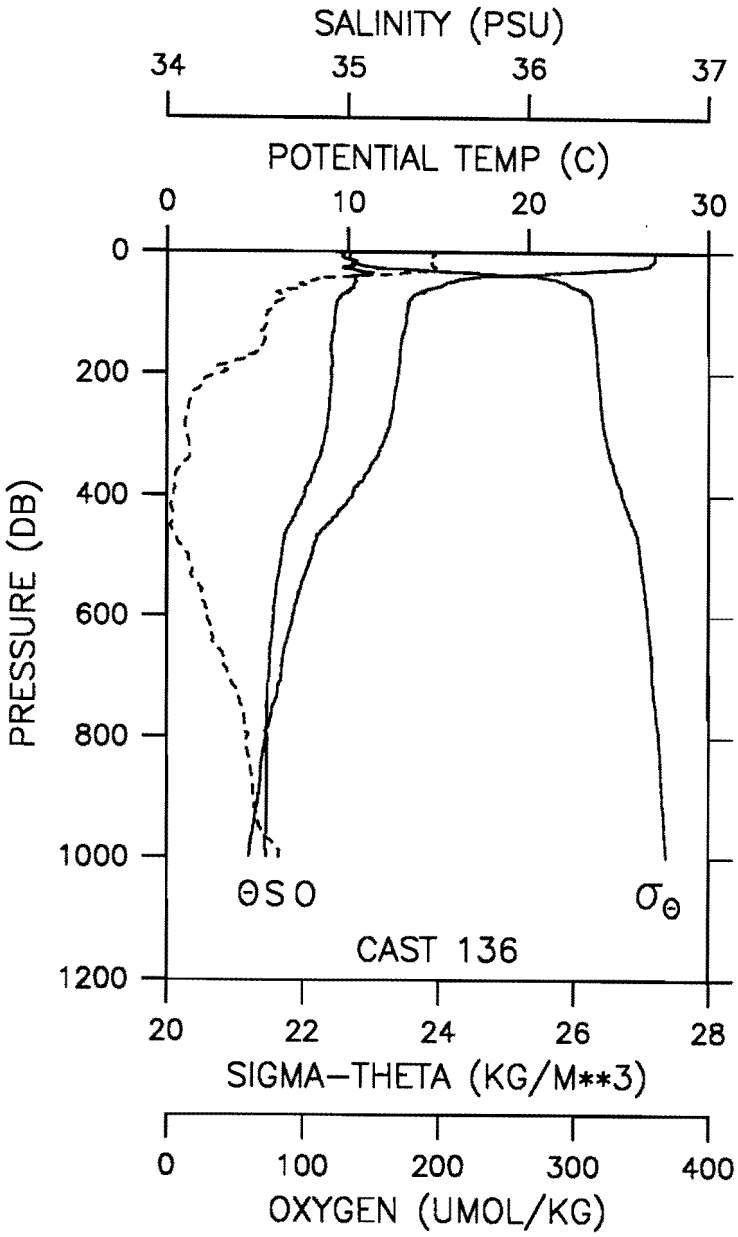
CAST CG3-94-DI -135 DATE 11 APR 94 TIME 0246 GMT
LAT 03 30.0S LONG 110 20.0W WEATHER 6 SEA STATE 2
BAROMETER 08 WIND DIR 060 T SPD 05 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 25.1 WET 24.0 DEPTH 3915 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.877	34.773	204.1	22.267	0.000
10	27.806	34.770	204.7	22.287	0.056
20	27.469	34.792	199.9	22.413	0.110
30	27.298	34.814	199.6	22.485	0.164
40	26.254	34.868	201.6	22.856	0.216
50	18.315	35.066	119.6	25.245	0.252
60	15.371	35.024	97.8	25.910	0.276
70	14.320	34.995	85.2	26.116	0.295
80	14.163	34.988	79.1	26.145	0.314
90	13.901	34.976	69.2	26.190	0.333
100	13.631	34.961	60.9	26.234	0.351
110	13.596	34.959	59.5	26.240	0.369
120	13.531	34.956	58.3	26.251	0.387
130	13.344	34.943	64.4	26.280	0.405
140	13.249	34.937	62.0	26.294	0.422
150	13.150	34.929	62.4	26.308	0.440
160	13.061	34.921	64.8	26.320	0.457
170	13.000	34.922	67.8	26.333	0.475
180	12.910	34.918	39.4	26.348	0.492
190	12.782	34.906	41.9	26.364	0.509
200	12.688	34.898	58.2	26.376	0.526
250	12.464	34.883	47.6	26.409	0.611
300	12.305	34.880	23.3	26.438	0.694
350	11.323	34.825	7.5	26.581	0.774
400	9.595	34.720	5.1	26.802	0.846
450	8.997	34.687	2.5	26.873	0.911
500	8.296	34.648	10.0	26.953	0.972
550	7.691	34.615	22.9	27.017	1.030
600	7.261	34.598	35.8	27.066	1.086
650	6.838	34.585	37.4	27.115	1.139
700	6.477	34.567	43.1	27.149	1.191
750	6.001	34.553	52.4	27.200	1.240
800	5.754	34.556	54.9	27.233	1.288
900	5.041	34.538	74.8	27.305	1.378
1000	4.400	34.543	89.4	27.380	1.461
1500	2.798	34.607	98.6	27.589	1.806
2000	2.095	34.646	122.3	27.680	2.080
2500	1.672	34.663	133.9	27.727	2.326
3000	1.420	34.675	144.0	27.755	2.556
3500	1.234	34.687	154.6	27.778	2.778
3963	1.185	34.689	157.1	27.783	2.982

CAST CG3-94-DI -136 DATE 11 APR 94 TIME 0826 GMT

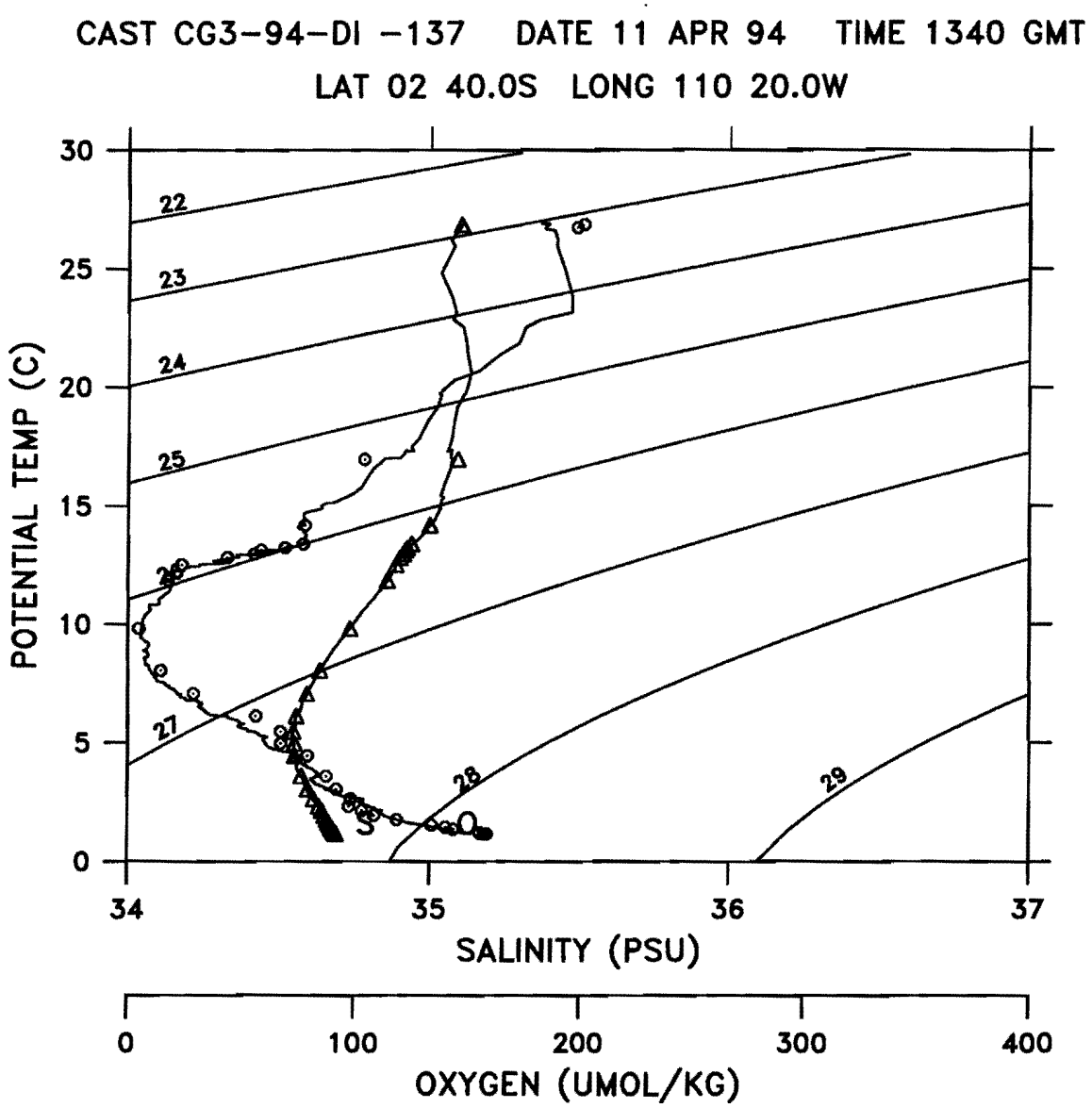
LAT 03 00.0S LONG 110 20.0W

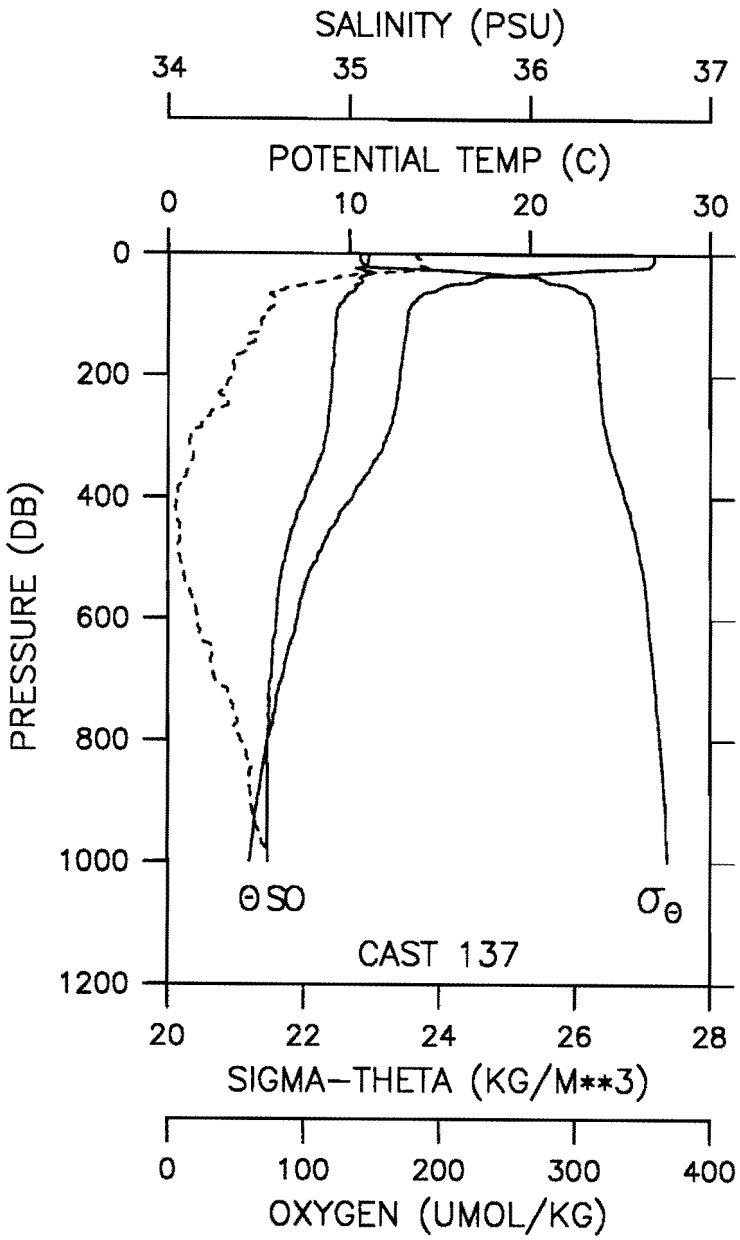




CAST CG3-94-DI -136 DATE 11 APR 94 TIME 0826 GMT
LAT 03 00.0S LONG 110 20.0W WEATHER 2 SEA STATE 2
BAROMETER 09 WIND DIR 030 T SPD 08 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 26.2 WET 24.8 DEPTH 3914 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.019	34.979	199.4	22.698	0.000
10	27.023	34.979	196.2	22.697	0.051
20	26.762	35.023	195.4	22.813	0.102
30	23.712	35.041	193.8	23.759	0.150
40	17.413	35.049	140.4	25.454	0.184
50	15.540	35.036	102.7	25.881	0.207
60	14.592	35.023	99.4	26.079	0.227
70	13.740	34.971	82.8	26.219	0.246
80	13.394	34.942	84.4	26.269	0.264
90	13.320	34.934	78.5	26.278	0.281
100	13.256	34.929	74.1	26.287	0.299
110	13.224	34.927	72.0	26.292	0.317
120	13.179	34.926	73.4	26.300	0.334
130	13.116	34.922	70.8	26.310	0.351
140	12.989	34.913	70.1	26.328	0.369
150	12.935	34.908	71.1	26.335	0.386
160	12.899	34.907	66.9	26.341	0.403
170	12.871	34.908	61.0	26.348	0.420
180	12.861	34.912	50.8	26.353	0.438
190	12.812	34.909	37.0	26.361	0.455
200	12.783	34.906	40.9	26.364	0.472
250	12.527	34.898	16.5	26.408	0.556
300	12.107	34.874	15.2	26.471	0.639
350	11.263	34.823	12.6	26.590	0.718
400	10.268	34.762	4.7	26.720	0.792
450	8.812	34.676	2.7	26.895	0.858
500	7.987	34.633	15.7	26.988	0.917
550	7.431	34.606	23.5	27.048	0.974
600	6.970	34.590	30.6	27.100	1.027
650	6.534	34.572	35.6	27.145	1.079
700	6.305	34.564	45.8	27.169	1.129
750	5.838	34.550	55.3	27.218	1.178
800	5.456	34.553	59.4	27.267	1.224
900	5.038	34.551	63.7	27.315	1.312
1000	4.503	34.547	81.9	27.373	1.395
1500	2.811	34.605	97.5	27.587	1.743
2000	2.123	34.644	118.9	27.677	2.018
2500	1.702	34.662	126.7	27.724	2.265
3000	1.443	34.674	140.0	27.753	2.497
3500	1.231	34.686	150.4	27.778	2.722
3952	1.172	34.690	155.4	27.784	2.920


CAST CG3-94-DI -137 DATE 11 APR 94 TIME 1340 GMT
LAT 02 40.0S LONG 110 20.0W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
22
23
24
25
26
27
28
29
30
25
20
15
10
5
0
34
35
36
37
0
100
200
300
400

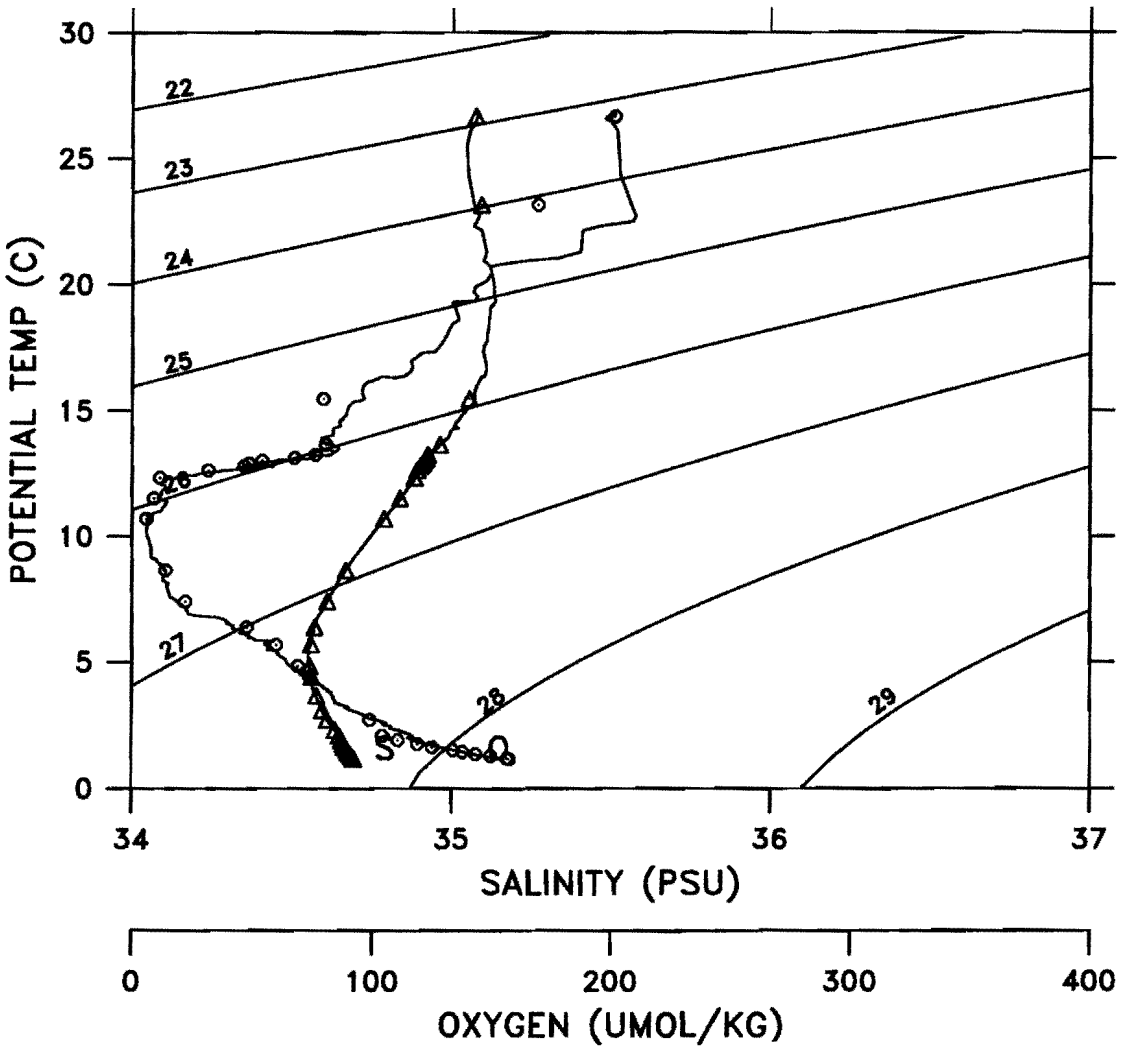


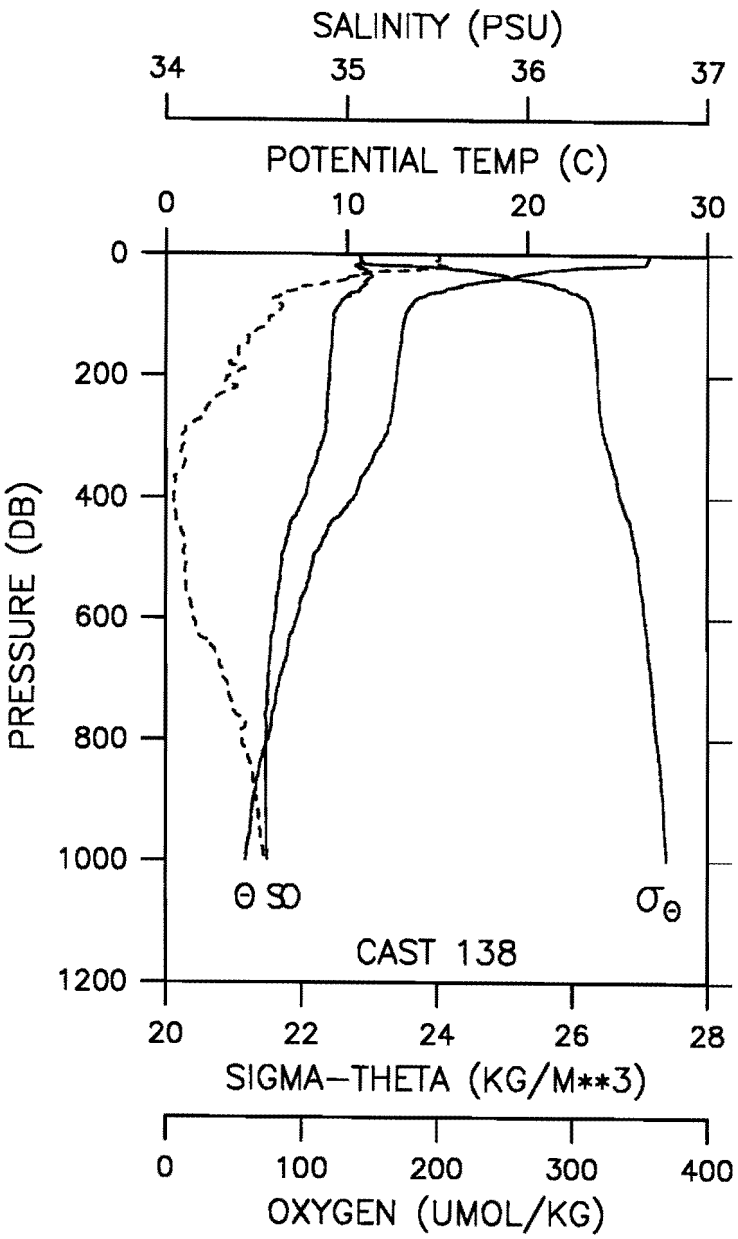
CAST CG3-94-DI -137 DATE 11 APR 94 TIME 1340 GMT
LAT 02 40.0S LONG 110 20.0W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 038 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 5 DRY WET DEPTH 3900 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	26.902	35.109	183.6	22.833	0.000
10	26.893	35.104	186.2	22.833	0.050
20	26.641	35.090	187.0	22.902	0.100
30	21.399	35.123	164.4	24.479	0.143
40	17.294	35.056	123.5	25.488	0.171
50	15.803	35.044	103.3	25.827	0.195
60	14.863	35.030	85.5	26.026	0.216
70	13.899	34.984	77.4	26.196	0.235
80	13.541	34.957	78.4	26.250	0.253
90	13.346	34.939	74.6	26.276	0.271
100	13.256	34.930	70.3	26.288	0.288
110	13.204	34.926	68.5	26.295	0.306
120	13.174	34.924	68.4	26.300	0.323
130	13.131	34.924	63.3	26.308	0.341
140	13.078	34.921	62.5	26.317	0.358
150	13.015	34.918	57.8	26.327	0.375
160	12.962	34.916	56.6	26.336	0.393
170	12.933	34.916	47.8	26.342	0.410
180	12.900	34.913	47.7	26.346	0.427
190	12.826	34.905	48.6	26.355	0.444
200	12.799	34.904	45.5	26.360	0.461
250	12.591	34.893	43.6	26.392	0.547
300	12.080	34.871	17.0	26.474	0.630
350	11.234	34.823	15.8	26.595	0.709
400	10.182	34.756	6.5	26.731	0.782
450	9.057	34.689	8.8	26.866	0.848
500	8.250	34.647	9.1	26.959	0.909
550	7.540	34.615	15.8	27.039	0.966
600	7.146	34.598	21.5	27.082	1.020
650	6.685	34.578	32.3	27.130	1.073
700	6.260	34.566	34.5	27.177	1.123
750	5.924	34.556	48.1	27.212	1.172
800	5.476	34.548	53.3	27.261	1.218
900	4.922	34.552	60.8	27.329	1.306
1000	4.494	34.547	74.3	27.373	1.388
1500	2.814	34.605	93.6	27.587	1.734
2000	2.134	34.643	112.1	27.675	2.010
2500	1.699	34.662	121.0	27.724	2.258
3000	1.436	34.675	136.3	27.754	2.489
3500	1.231	34.686	145.3	27.778	2.713
3939	1.166	34.690	150.1	27.785	2.904

CAST CG3-94-DI -138 DATE 11 APR 94 TIME 1939 GMT

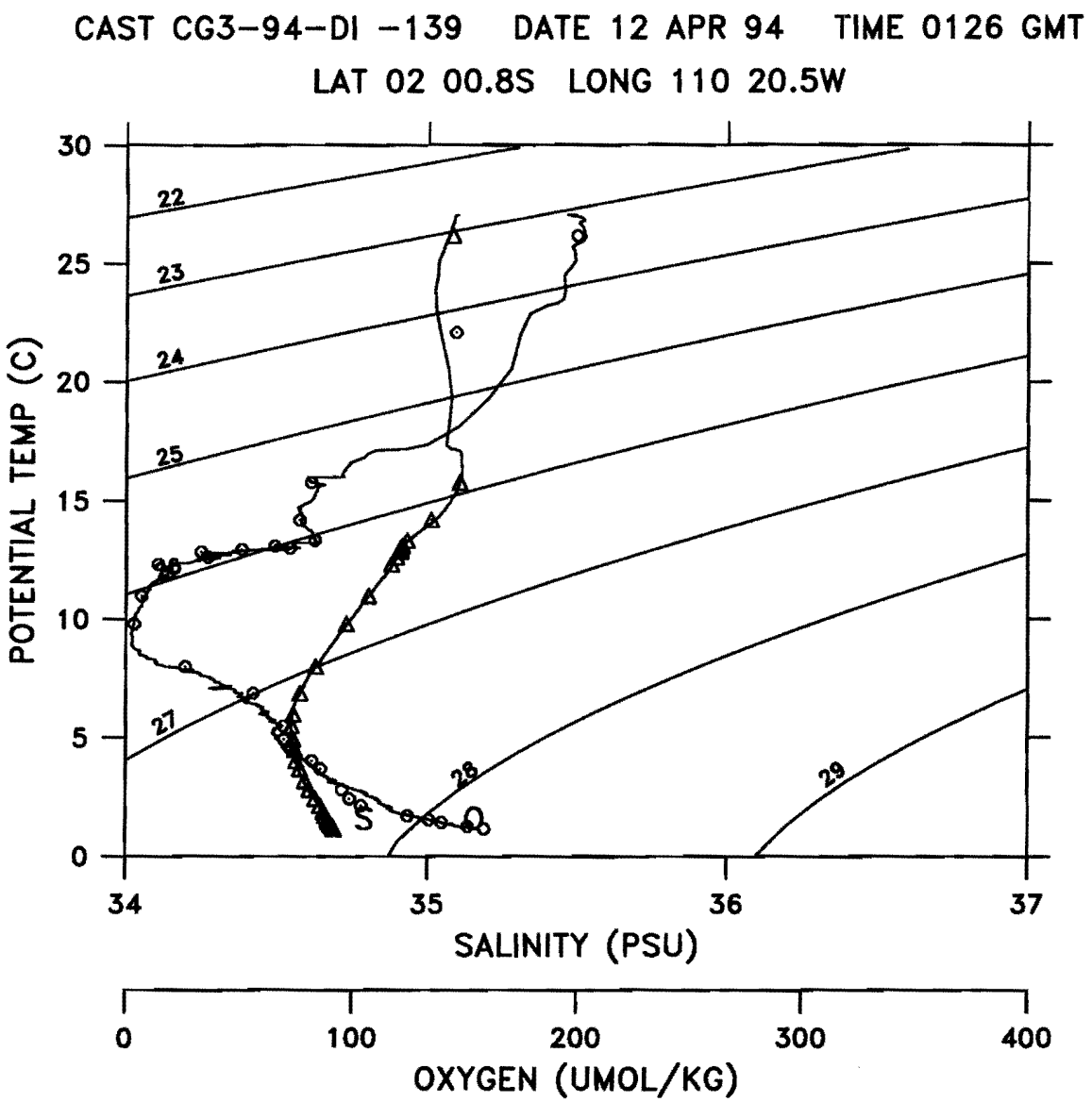
LAT 02 20.0S LONG 110 20.0W

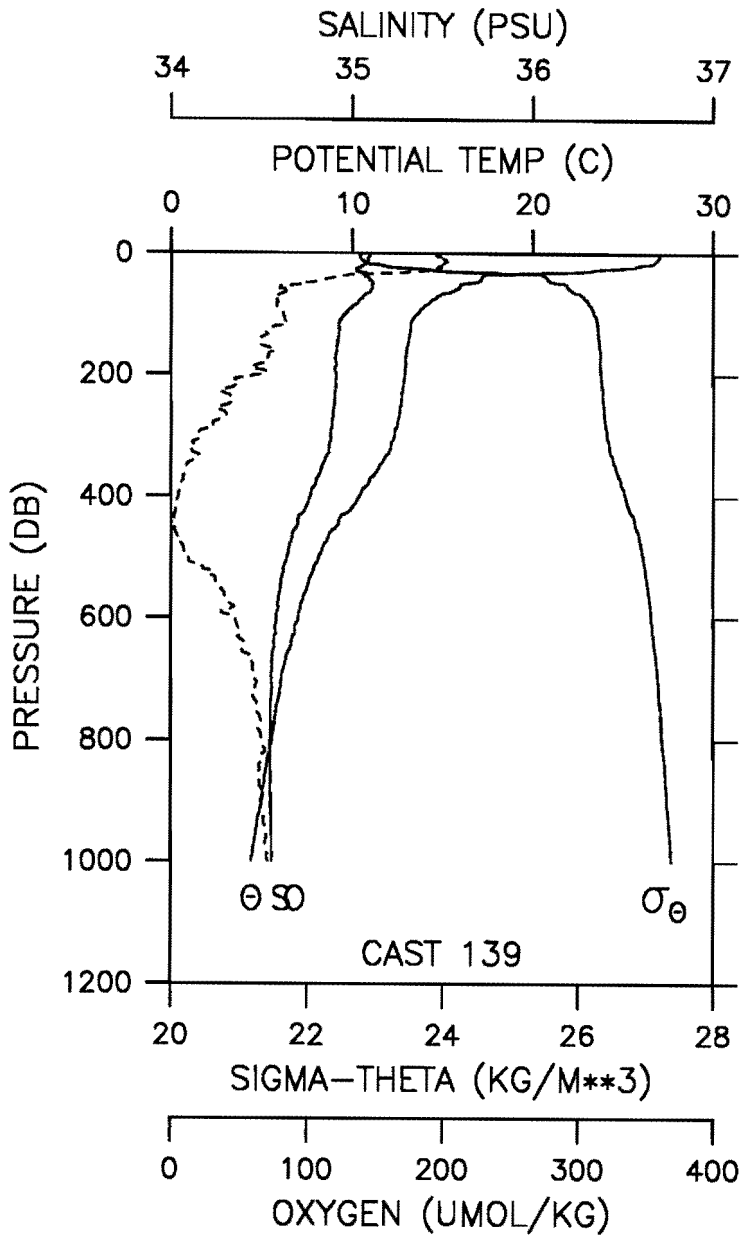




CAST CG3-94-DI -138 DATE 11 APR 94 TIME 1939 GMT
LAT 02 20.0S LONG 110 20.0W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 070 T SPD 08 KT VISIBILITY 7
CLOUD 4 AMOUNT 3 DRY 28.5 WET 24.5 DEPTH 4616 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	26.757	35.080	200.8	22.857	0.000
10	26.675	35.077	199.6	22.881	0.050
20	23.164	35.067	208.2	23.939	0.098
30	20.458	35.123	149.7	24.735	0.133
40	18.588	35.116	136.1	25.215	0.163
50	16.366	35.101	113.6	25.742	0.188
60	15.379	35.071	94.8	25.944	0.210
70	14.240	34.998	83.5	26.136	0.229
80	13.657	34.965	82.8	26.233	0.247
90	13.390	34.941	84.9	26.269	0.265
100	13.224	34.927	81.5	26.291	0.283
110	13.148	34.926	75.8	26.306	0.300
120	13.083	34.922	72.9	26.316	0.318
130	13.031	34.919	63.7	26.325	0.335
140	13.013	34.919	60.9	26.328	0.352
150	12.969	34.918	56.4	26.336	0.369
160	12.901	34.913	53.0	26.346	0.387
170	12.843	34.908	52.6	26.353	0.404
180	12.806	34.906	46.6	26.359	0.421
190	12.766	34.903	57.3	26.365	0.438
200	12.743	34.903	48.2	26.369	0.455
250	12.540	34.890	31.7	26.399	0.540
300	12.096	34.873	11.9	26.472	0.623
350	11.174	34.819	13.0	26.604	0.701
400	10.366	34.767	6.2	26.707	0.774
450	8.984	34.683	10.6	26.873	0.841
500	8.144	34.640	14.1	26.970	0.902
550	7.769	34.625	15.1	27.013	0.960
600	7.228	34.601	20.3	27.073	1.015
650	6.757	34.578	35.5	27.120	1.068
700	6.278	34.563	42.9	27.172	1.119
750	5.973	34.557	48.3	27.206	1.168
800	5.624	34.555	56.2	27.248	1.215
900	4.810	34.553	66.7	27.343	1.302
1000	4.368	34.558	72.0	27.395	1.383
1500	2.940	34.600	95.8	27.571	1.725
2000	2.109	34.644	116.3	27.678	2.004
2500	1.702	34.662	125.4	27.724	2.249
3000	1.443	34.673	138.2	27.752	2.481
3500	1.223	34.687	149.9	27.779	2.705
4000	1.155	34.690	153.5	27.786	2.923
4023	1.156	34.690	152.9	27.786	2.933


CAST CG3-94-DI -139 DATE 12 APR 94 TIME 0126 GMT
LAT 02 00.8S LONG 110 20.5W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
22
23
24
25
26
27
28
29
34
35
36
37
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

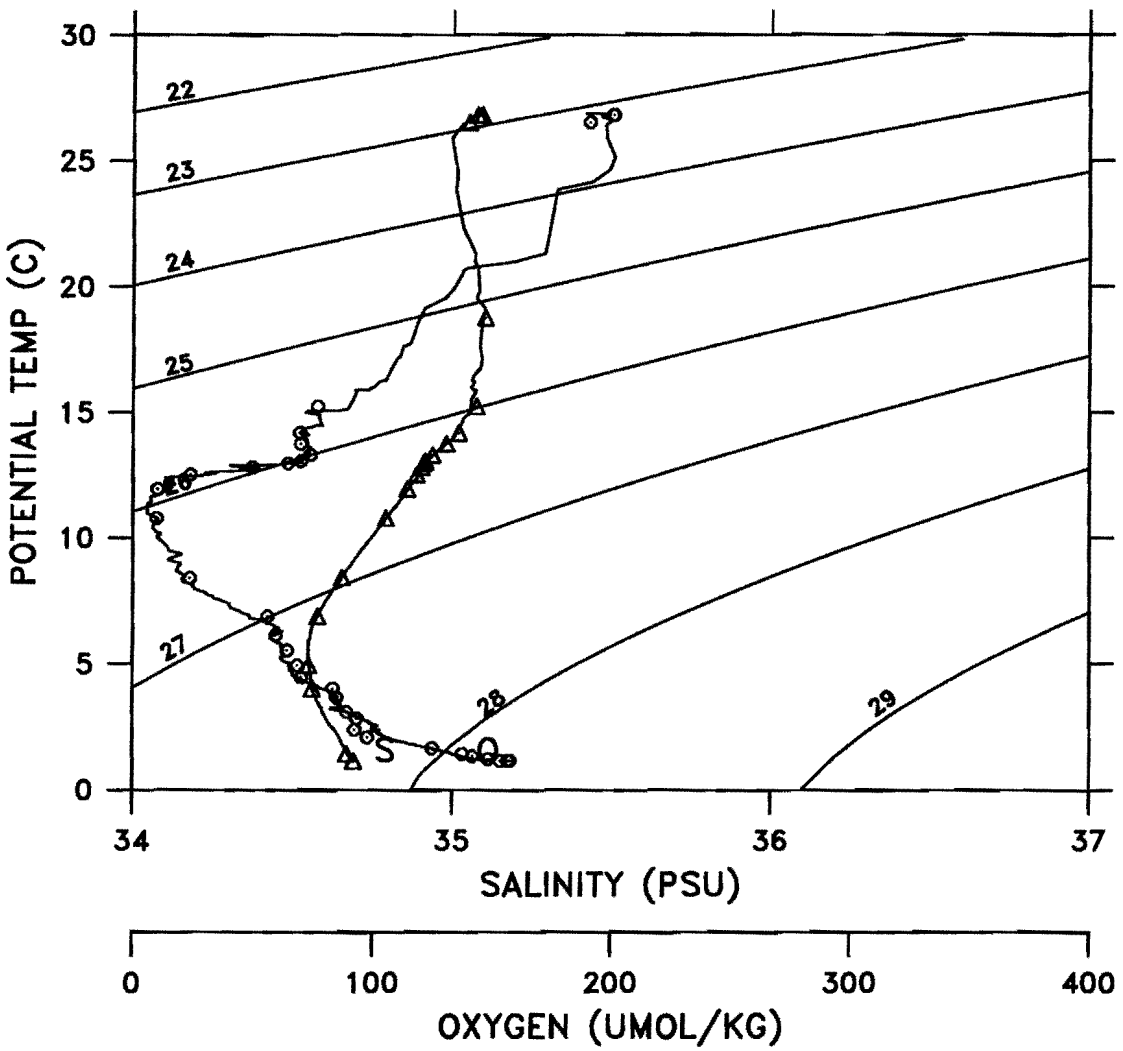


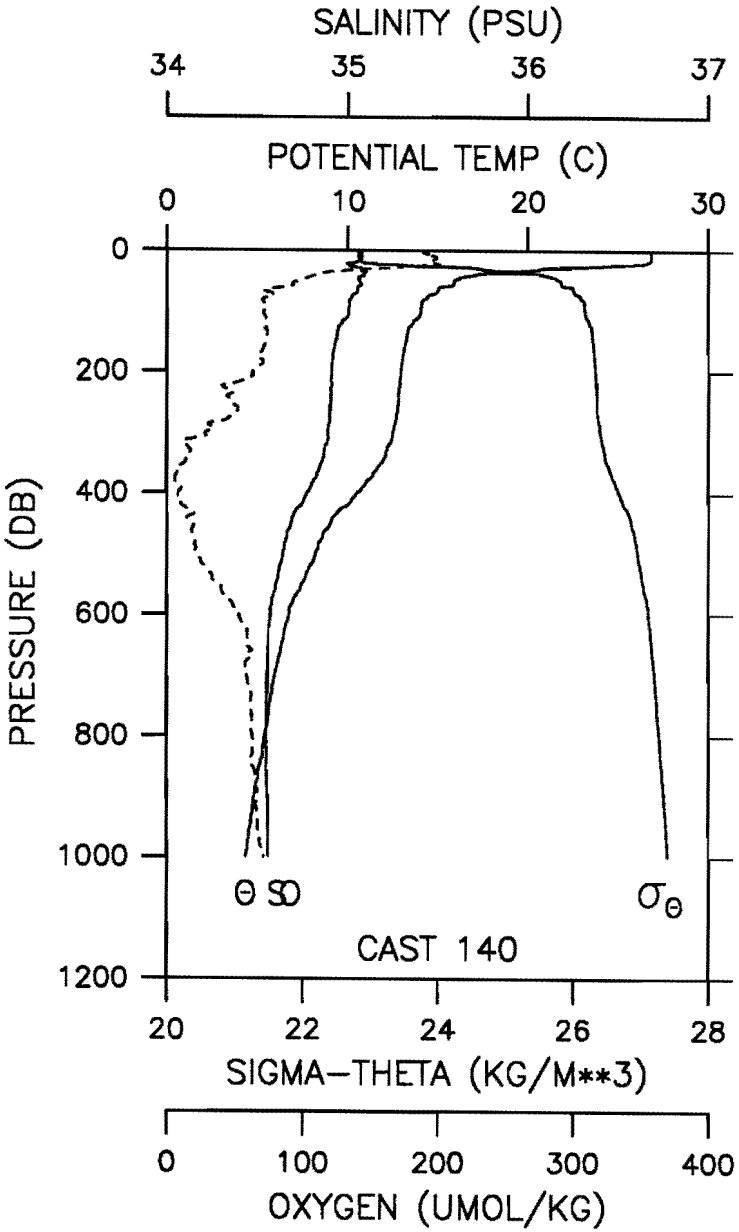
CAST CG3-94-DI -139 DATE 12 APR 94 TIME 0126 GMT
LAT 02 00.8S LONG 110 20.5W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 040 T SPD 07 KT VISIBILITY 7
CLOUD 4 AMOUNT 4 DRY 26.2 WET 23.8 DEPTH 3978 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.045	35.098	198.7	22.779	0.000
10	26.942	35.087	201.4	22.804	0.051
20	25.906	35.059	202.0	23.109	0.100
30	22.878	35.027	178.7	23.991	0.144
40	17.160	35.090	121.0	25.546	0.172
50	16.205	35.114	95.9	25.789	0.196
60	15.718	35.104	84.5	25.893	0.218
70	14.781	35.063	77.5	26.070	0.238
80	14.312	35.035	77.8	26.148	0.257
90	13.920	34.998	78.3	26.203	0.276
100	13.631	34.965	82.4	26.238	0.294
110	13.332	34.937	83.3	26.277	0.312
120	13.214	34.926	80.7	26.293	0.329
130	13.193	34.926	70.2	26.297	0.347
140	13.135	34.922	66.3	26.306	0.364
150	13.077	34.920	66.3	26.316	0.382
160	12.999	34.914	76.7	26.327	0.399
170	12.958	34.908	71.5	26.330	0.417
180	12.958	34.909	70.7	26.332	0.434
190	12.931	34.906	60.5	26.335	0.451
200	12.923	34.911	65.8	26.340	0.469
250	12.686	34.902	42.0	26.380	0.554
300	12.334	34.881	21.7	26.433	0.639
350	11.480	34.834	11.4	26.559	0.720
400	10.390	34.769	5.5	26.704	0.794
450	9.143	34.695	2.9	26.857	0.862
500	8.162	34.640	13.0	26.967	0.923
550	7.511	34.603	37.4	27.034	0.980
600	7.039	34.583	47.3	27.085	1.034
650	6.577	34.568	53.5	27.136	1.086
700	6.109	34.554	61.2	27.186	1.136
750	5.805	34.549	64.1	27.221	1.184
800	5.574	34.547	67.0	27.248	1.231
900	5.030	34.551	66.2	27.316	1.319
1000	4.437	34.555	71.6	27.386	1.401
1500	2.951	34.599	96.0	27.570	1.744
2000	2.088	34.645	115.4	27.680	2.025
2500	1.667	34.663	128.0	27.728	2.270
3000	1.427	34.673	139.7	27.753	2.500
3500	1.250	34.685	148.9	27.775	2.725
4000	1.153	34.690	155.9	27.786	2.943
4022	1.153	34.690	154.0	27.786	2.953

CAST CG3-94-DI -140 DATE 12 APR 94 TIME 0831 GMT

LAT 01 40.0S LONG 110 19.9W



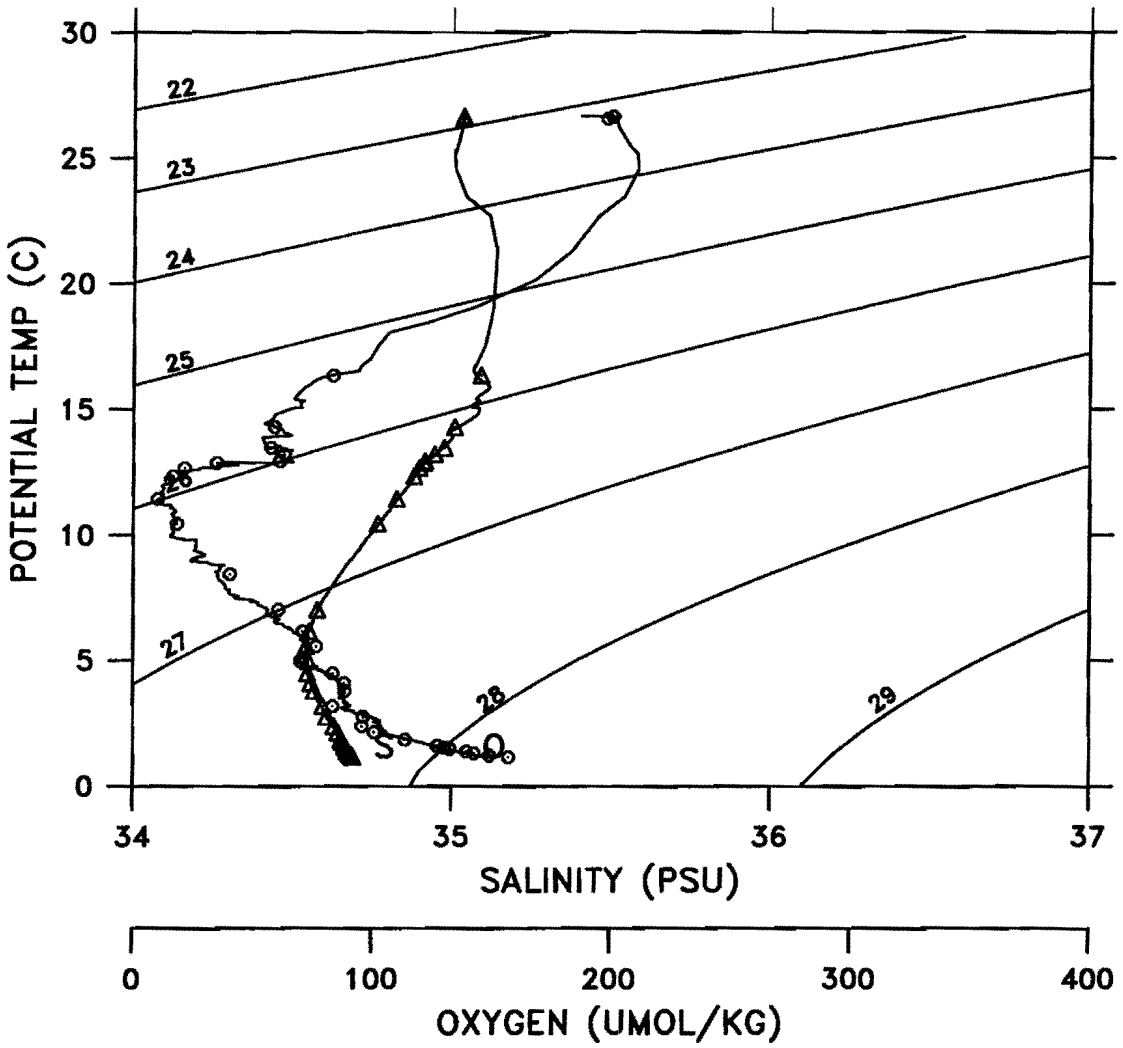


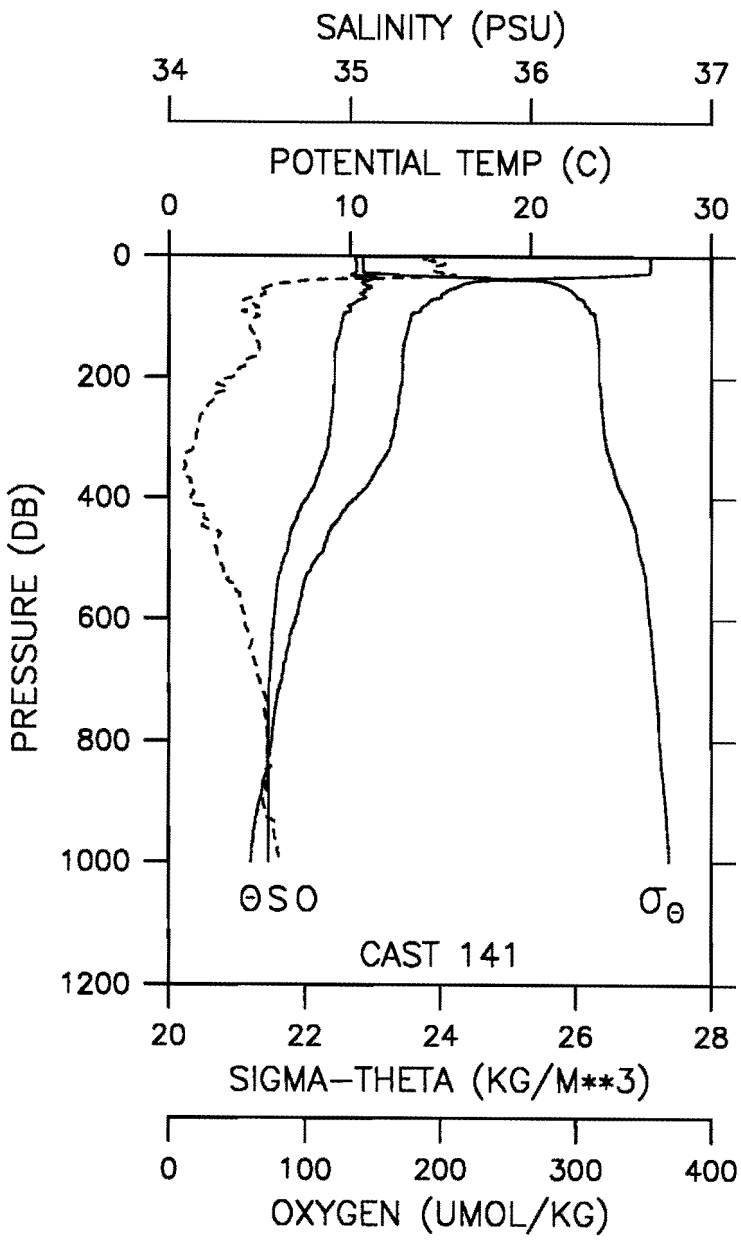
CAST CG3-94-DI -140 DATE 12 APR 94 TIME 0831 GMT
LAT 01 40.0S LONG 110 19.9W WEATHER 1 SEA STATE 4
BAROMETER 10 WIND DIR 070 T SPD 06 KT VISIBILITY 9
CLOUD 6 AMOUNT 1 DRY 26.0 WET 23.1 DEPTH 3907 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	26.857	35.078	190.7	22.825	0.000
10	26.856	35.077	198.8	22.824	0.050
20	26.524	35.042	199.6	22.902	0.100
30	20.720	35.080	139.3	24.632	0.142
40	17.138	35.092	110.0	25.553	0.171
50	15.896	35.065	98.4	25.822	0.194
60	15.130	35.055	89.4	25.987	0.216
70	14.924	35.049	76.6	26.027	0.236
80	14.345	35.018	71.0	26.128	0.255
90	14.094	35.008	73.2	26.174	0.274
100	14.060	35.005	71.5	26.179	0.292
110	13.943	34.998	72.4	26.198	0.311
120	13.605	34.966	74.1	26.244	0.329
130	13.371	34.947	72.4	26.277	0.347
140	13.296	34.940	73.4	26.288	0.364
150	13.234	34.934	73.2	26.295	0.382
160	13.148	34.925	71.1	26.305	0.400
170	13.091	34.919	68.7	26.312	0.417
180	13.039	34.917	68.9	26.321	0.435
190	12.976	34.911	68.1	26.330	0.452
200	12.950	34.910	63.0	26.334	0.469
250	12.806	34.906	47.3	26.360	0.556
300	12.506	34.888	28.5	26.405	0.642
350	11.842	34.853	13.1	26.506	0.725
400	10.511	34.774	8.6	26.688	0.801
450	9.047	34.687	17.5	26.866	0.868
500	8.211	34.641	21.7	26.961	0.929
550	7.458	34.602	38.2	27.041	0.987
600	6.751	34.572	53.1	27.116	1.040
650	6.357	34.559	59.8	27.158	1.091
700	5.961	34.553	58.2	27.205	1.140
750	5.645	34.549	62.0	27.241	1.187
800	5.400	34.549	62.8	27.271	1.232
900	4.819	34.554	65.5	27.342	1.319
1000	4.347	34.559	71.2	27.399	1.399
1500	2.940	34.600	92.6	27.571	1.739
2000	2.117	34.645	104.8	27.678	2.019
2500	1.671	34.662	124.2	27.726	2.265
3000	1.438	34.672	133.8	27.752	2.496
3500	1.244	34.685	142.1	27.775	2.720
3955	1.156	34.689	148.4	27.785	2.918

CAST CG3-94-DI -141 DATE 12 APR 94 TIME 1453 GMT

LAT 01 20.0S LONG 110 20.1W



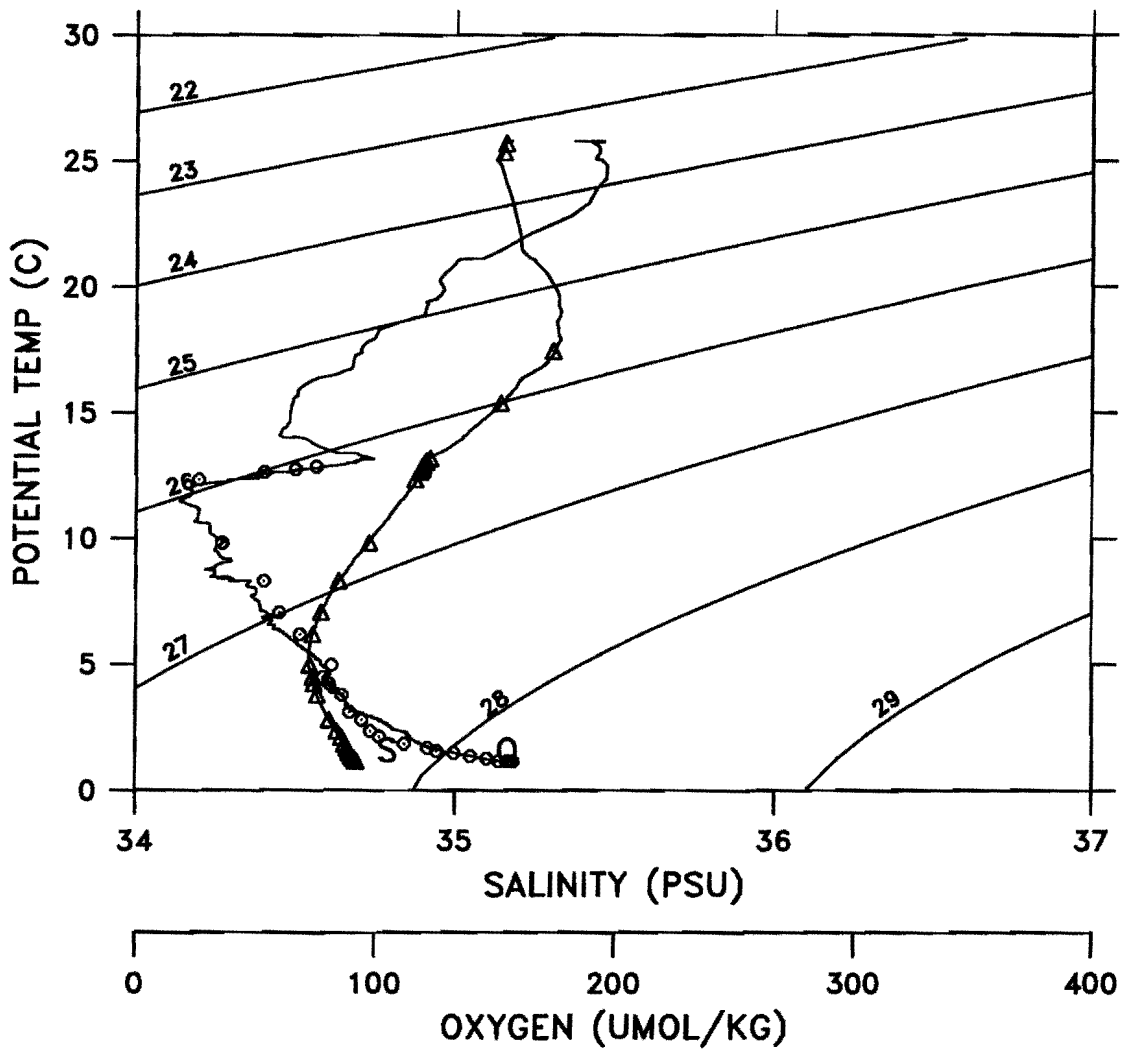


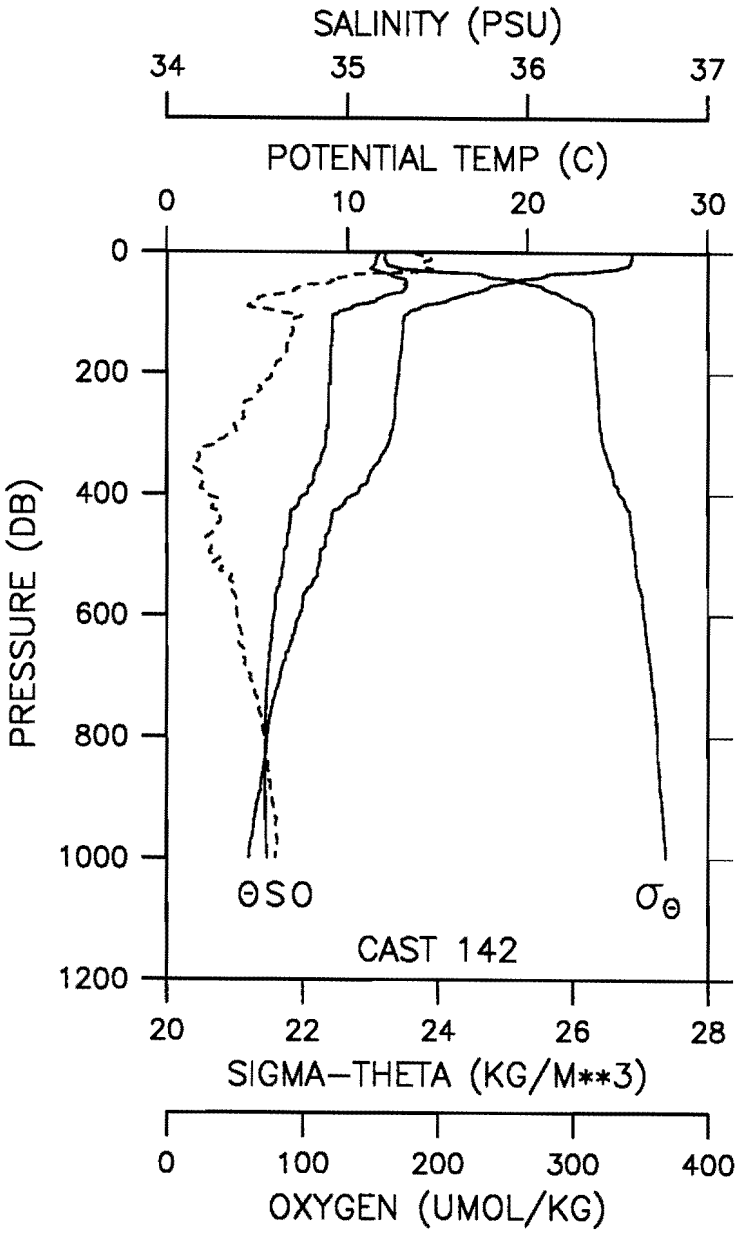
CAST CG3-94-DI -141 DATE 12 APR 94 TIME 1453 GMT
LAT 01 20.0S LONG 110 20.1W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 080 T SPD 15 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 26.2 WET 23.3 DEPTH 3900 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	26.659	35.030	192.0	22.851	0.000
10	26.660	35.034	201.3	22.853	0.050
20	26.658	35.034	194.1	22.854	0.100
30	25.462	35.012	207.7	23.211	0.150
40	17.570	35.103	102.5	25.457	0.185
50	15.993	35.112	73.8	25.836	0.208
60	15.289	35.082	69.7	25.972	0.229
70	14.779	35.078	58.8	26.082	0.249
80	14.251	35.012	61.1	26.144	0.268
90	13.876	35.000	55.6	26.214	0.286
100	13.364	34.961	66.3	26.289	0.304
110	13.271	34.952	60.6	26.301	0.322
120	13.200	34.946	59.6	26.311	0.339
130	13.117	34.939	62.6	26.323	0.356
140	13.005	34.926	63.7	26.335	0.374
150	12.956	34.921	65.9	26.341	0.391
160	12.904	34.915	66.4	26.347	0.408
170	12.883	34.913	58.6	26.350	0.425
180	12.883	34.914	56.0	26.350	0.442
190	12.879	34.914	50.2	26.351	0.459
200	12.876	34.914	46.5	26.352	0.477
250	12.661	34.902	27.7	26.385	0.562
300	12.299	34.880	20.0	26.439	0.646
350	11.476	34.833	12.1	26.559	0.727
400	10.339	34.764	15.9	26.710	0.802
450	8.926	34.678	26.8	26.878	0.869
500	8.170	34.635	36.7	26.962	0.930
550	7.378	34.594	48.9	27.046	0.986
600	6.991	34.578	56.1	27.088	1.041
650	6.536	34.564	58.9	27.139	1.093
700	6.211	34.554	66.6	27.173	1.143
750	5.832	34.547	70.2	27.216	1.191
800	5.655	34.545	72.6	27.236	1.238
900	4.976	34.549	68.9	27.321	1.328
1000	4.495	34.550	81.7	27.376	1.410
1500	2.937	34.600	92.7	27.572	1.758
2000	2.129	34.645	106.0	27.677	2.041
2500	1.692	34.661	123.1	27.724	2.287
3000	1.487	34.671	130.8	27.747	2.519
3500	1.270	34.683	141.8	27.773	2.745
3872	1.155	34.690	151.2	27.786	2.908

CAST CG3-94-DI -142 DATE 13 APR 94 TIME 0128 GMT

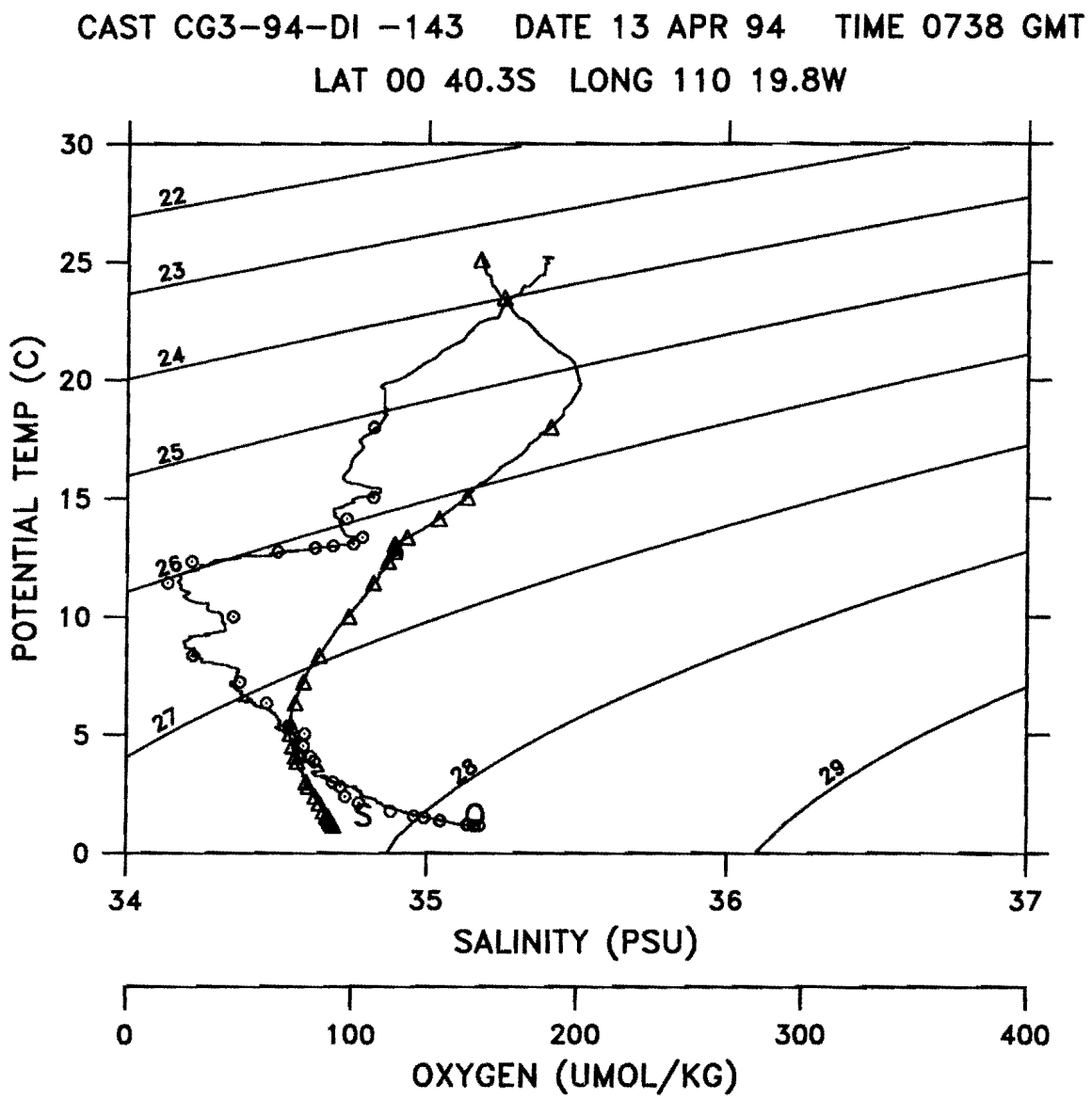
LAT 01 00.1S LONG 110 19.7W

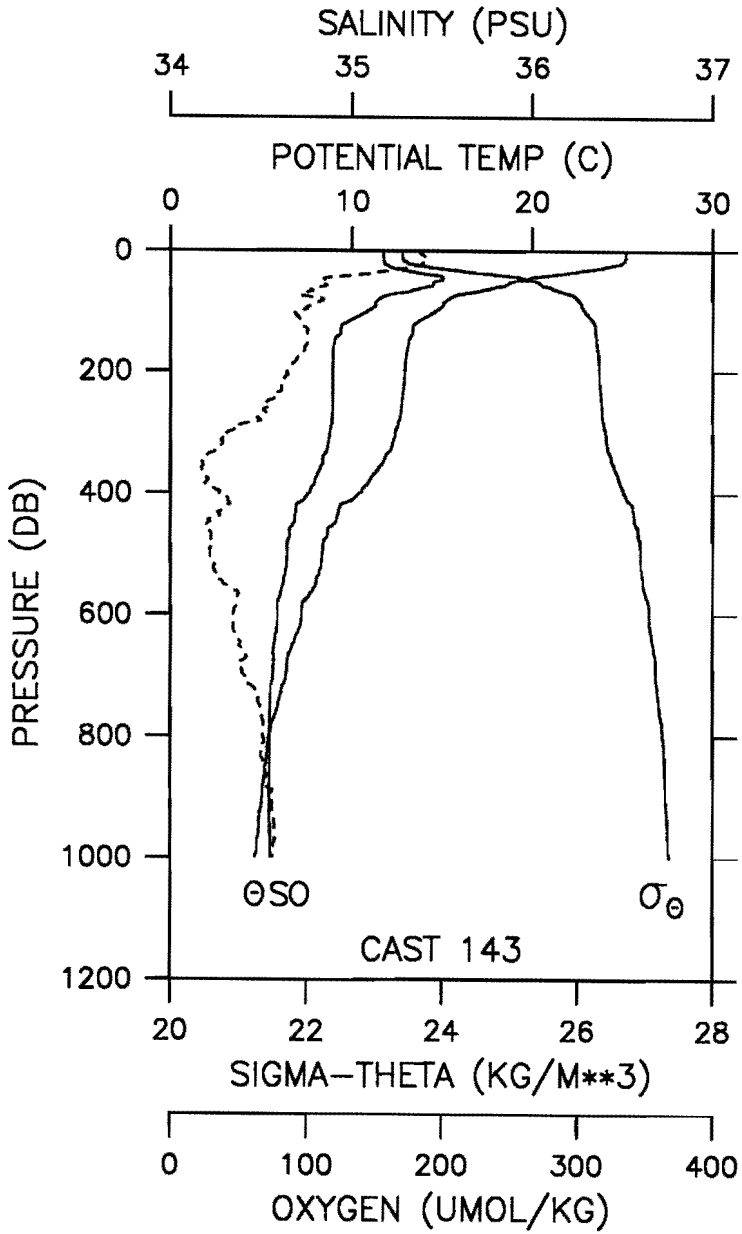




CAST CG3-94-DI -142 DATE 13 APR 94 TIME 0128 GMT
LAT 01 00.1S LONG 110 19.7W WEATHER 0 SEA STATE 3
BAROMETER 10 WIND DIR 119 T SPD 13 KT VISIBILITY 7
CLOUD 7 AMOUNT 2 DRY 26.5 WET 23.7 DEPTH 4049 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	25.795	35.172	183.4	23.229	0.000
10	25.785	35.160	195.0	23.223	0.046
20	25.649	35.152	191.6	23.259	0.093
30	24.143	35.155	194.3	23.718	0.138
40	20.860	35.257	132.5	24.729	0.173
50	19.075	35.328	120.7	25.254	0.203
60	17.772	35.323	96.1	25.576	0.228
70	16.531	35.231	83.7	25.803	0.251
80	15.571	35.159	65.7	25.968	0.272
90	14.108	35.031	59.8	26.189	0.292
100	13.396	34.949	84.3	26.273	0.310
110	13.133	34.916	94.5	26.302	0.327
120	13.072	34.914	91.8	26.312	0.345
130	13.074	34.917	93.0	26.314	0.362
140	13.047	34.914	91.2	26.318	0.379
150	13.013	34.911	89.4	26.322	0.397
160	12.990	34.909	88.7	26.325	0.414
170	12.942	34.906	86.9	26.332	0.431
180	12.884	34.903	82.6	26.342	0.449
190	12.862	34.903	79.5	26.346	0.466
200	12.834	34.902	77.9	26.351	0.483
250	12.629	34.893	56.4	26.384	0.569
300	12.372	34.878	48.8	26.423	0.654
350	11.614	34.840	20.3	26.539	0.736
400	10.421	34.766	30.7	26.697	0.811
450	9.047	34.679	37.0	26.860	0.877
500	8.471	34.646	33.7	26.924	0.940
550	8.018	34.621	49.7	26.973	1.000
600	7.348	34.592	51.6	27.049	1.056
650	6.799	34.572	54.0	27.109	1.110
700	6.268	34.556	61.7	27.168	1.161
750	5.814	34.547	67.8	27.218	1.210
800	5.528	34.544	71.8	27.251	1.256
900	5.059	34.543	77.2	27.306	1.346
1000	4.517	34.552	79.5	27.375	1.429
1500	3.029	34.597	95.3	27.561	1.780
2000	2.112	34.645	114.7	27.678	2.063
2500	1.686	34.661	123.5	27.725	2.309
3000	1.482	34.672	133.4	27.748	2.542
3500	1.265	34.684	144.4	27.773	2.769
4000	1.153	34.690	155.3	27.786	2.988
4120	1.153	34.690	155.0	27.786	3.041


CAST CG3-94-DI -143 DATE 13 APR 94 TIME 0738 GMT
LAT 00 40.3S LONG 110 19.8W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
22
23
24
25
26
27
28
29
30
25
20
15
10
5
0
34
35
36
37
0
100
200
300
400

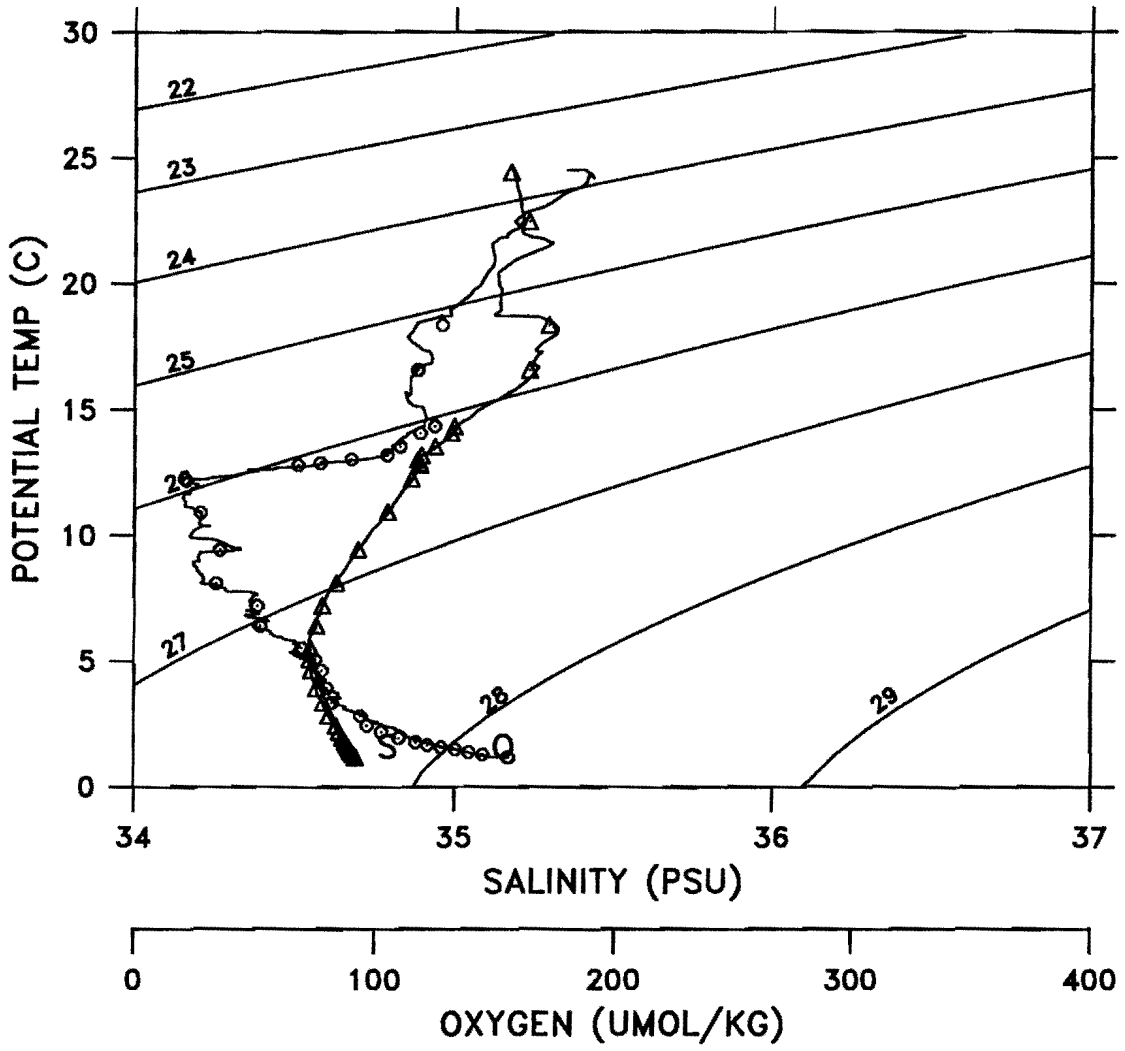


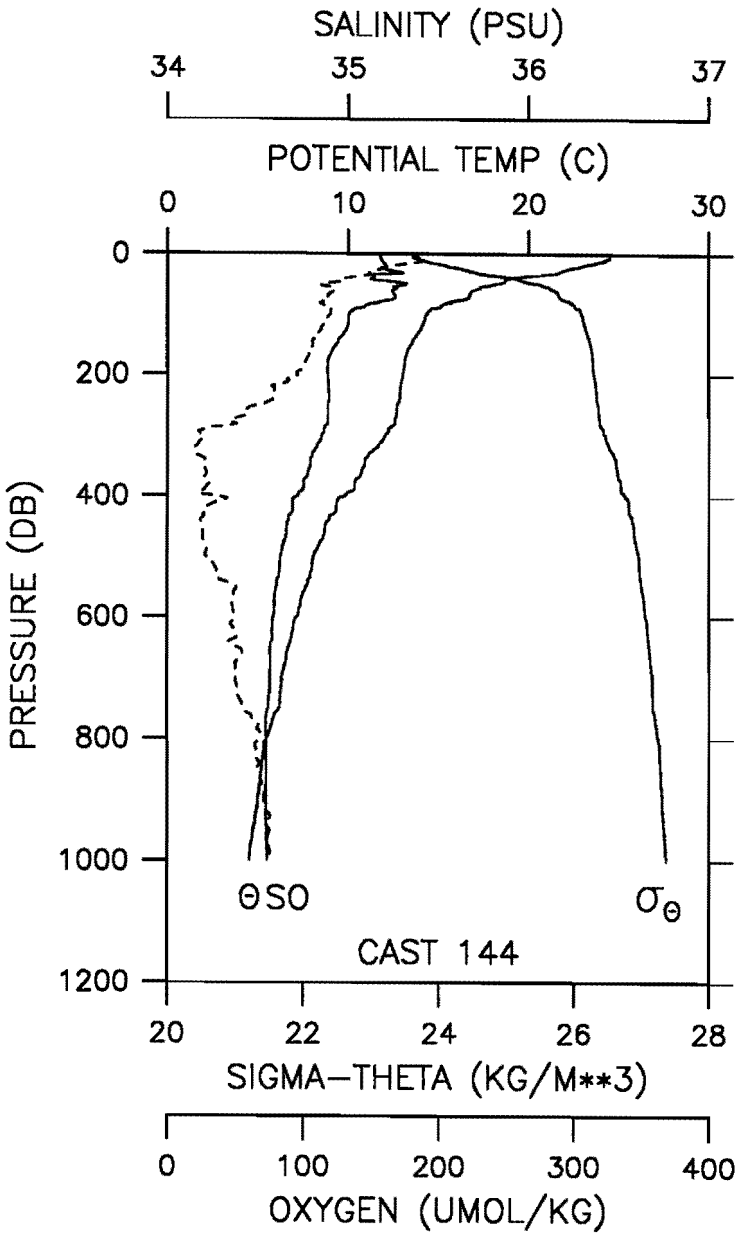
CAST CG3-94-DI -143 DATE 13 APR 94 TIME 0738 GMT
LAT 00 40.3S LONG 110 19.8W WEATHER 0 SEA STATE 3
BAROMETER 12 WIND DIR 105 T SPD 10 KT VISIBILITY 8
CLOUD 8 AMOUNT 1 DRY 25.2 WET 23.3 DEPTH 3810 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	25.206	35.177	184.8	23.414	0.000
10	25.203	35.174	187.8	23.413	0.045
20	24.951	35.180	186.1	23.494	0.089
30	23.262	35.266	167.1	24.061	0.131
40	20.962	35.468	136.7	24.862	0.165
50	19.082	35.478	114.0	25.367	0.194
60	17.951	35.405	109.7	25.595	0.219
70	16.311	35.241	99.0	25.862	0.242
80	15.372	35.151	112.4	26.007	0.262
90	15.053	35.131	102.3	26.062	0.282
100	14.625	35.086	95.2	26.121	0.302
110	14.048	35.025	94.2	26.197	0.320
120	13.550	34.962	96.1	26.253	0.339
130	13.381	34.940	100.7	26.270	0.356
140	13.308	34.928	100.5	26.276	0.374
150	13.158	34.904	100.3	26.287	0.392
160	13.091	34.897	98.3	26.296	0.410
170	13.032	34.896	94.7	26.306	0.427
180	12.984	34.896	92.9	26.316	0.445
190	12.947	34.896	89.1	26.324	0.462
200	12.922	34.896	85.5	26.329	0.480
250	12.773	34.894	70.8	26.357	0.566
300	12.421	34.879	43.2	26.415	0.652
350	11.709	34.841	23.5	26.521	0.735
400	10.427	34.763	35.6	26.694	0.810
450	9.021	34.676	27.1	26.861	0.877
500	8.358	34.642	29.0	26.939	0.938
550	8.010	34.621	38.8	26.975	0.998
600	7.228	34.590	46.0	27.064	1.054
650	6.726	34.571	50.7	27.118	1.108
700	6.367	34.561	53.1	27.159	1.158
750	5.921	34.548	65.6	27.206	1.207
800	5.430	34.546	67.5	27.264	1.254
900	5.049	34.544	75.1	27.308	1.342
1000	4.630	34.551	75.1	27.361	1.426
1500	3.019	34.597	91.3	27.562	1.784
2000	2.116	34.642	111.8	27.676	2.071
2500	1.760	34.658	122.4	27.716	2.319
3000	1.500	34.673	134.7	27.747	2.554
3500	1.280	34.683	145.0	27.772	2.782
3864	1.161	34.690	154.7	27.785	2.941

CAST CG3-94-DI -144 DATE 13 APR 94 TIME 1325 GMT

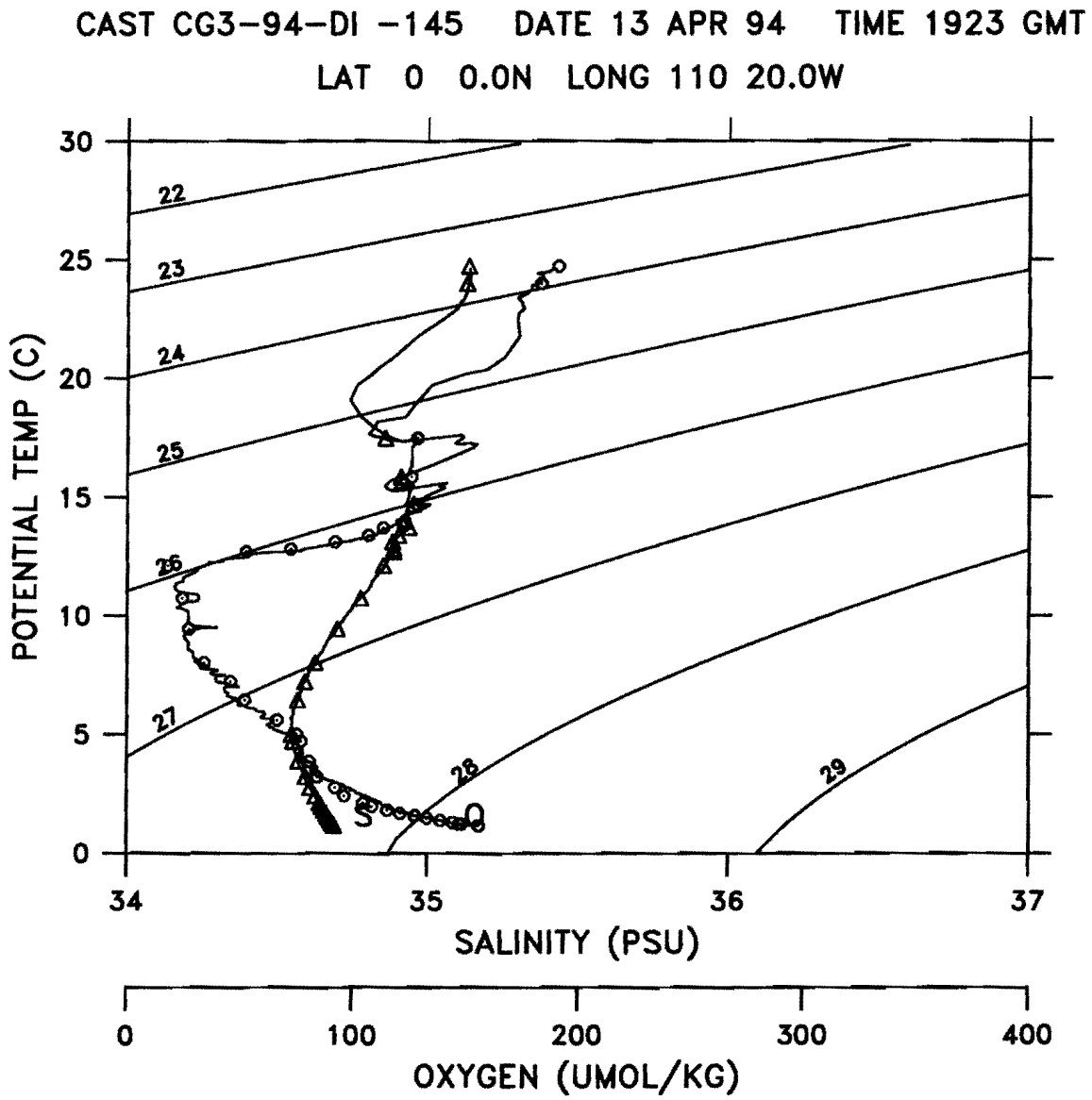
LAT 00 20.2S LONG 110 19.6W

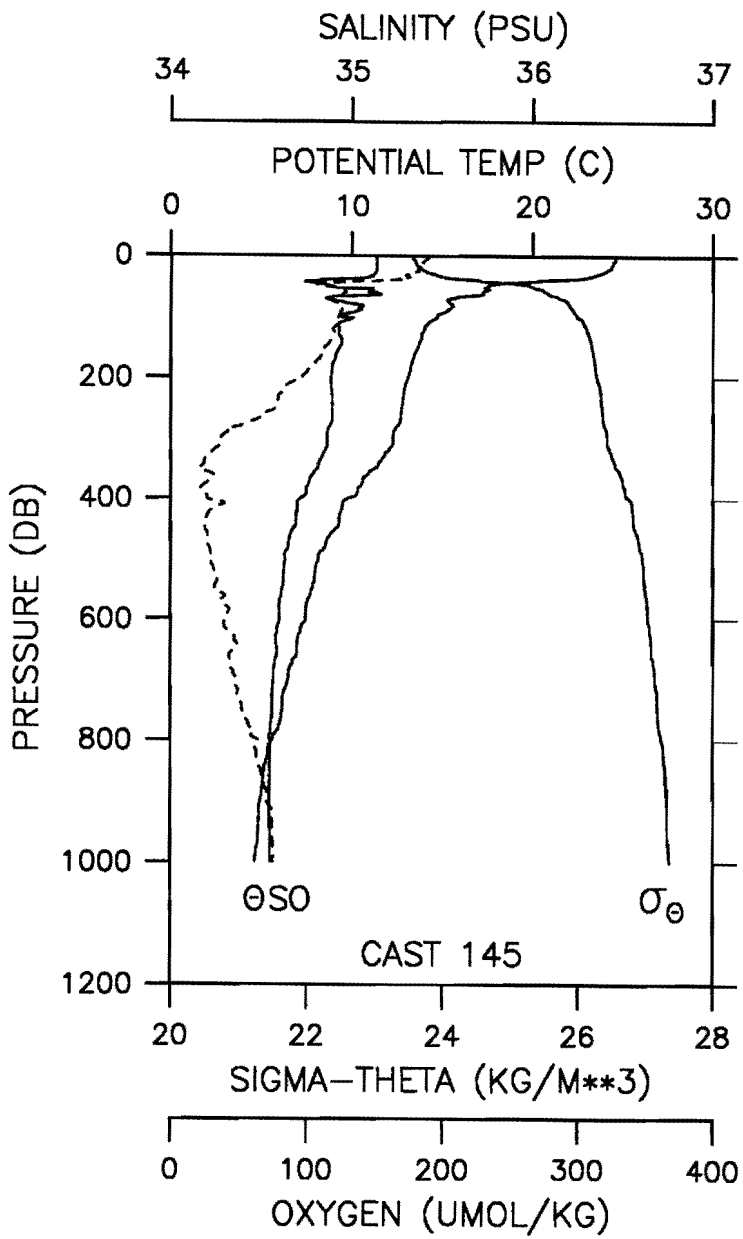




CAST CG3-94-DI -144 DATE 13 APR 94 TIME 1325 GMT
LAT 00 20.2S LONG 110 19.6W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 115 T SPD 09 KT VISIBILITY 7
CLOUD 6 AMOUNT 2 DRY 25.0 WET 23.0 DEPTH 3811 M

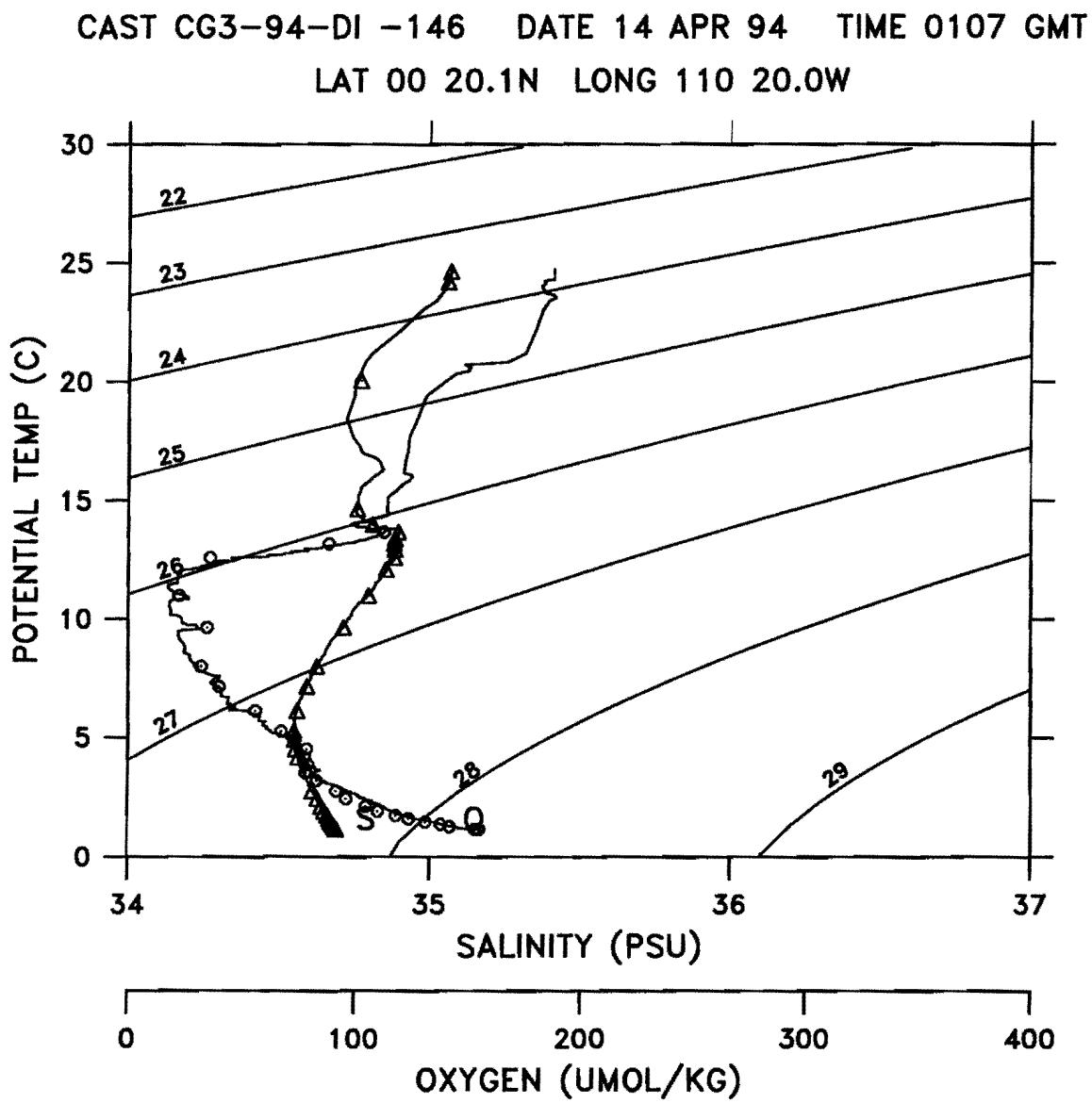
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.517	35.179	180.0	23.624	0.000
10	24.318	35.182	189.3	23.686	0.042
20	22.879	35.205	163.8	24.126	0.082
30	21.662	35.291	149.9	24.535	0.118
40	18.931	35.142	131.0	25.148	0.150
50	18.064	35.320	115.2	25.502	0.177
60	16.936	35.246	123.3	25.720	0.200
70	16.690	35.260	118.7	25.788	0.223
80	15.558	35.160	114.3	25.972	0.244
90	14.659	35.045	121.1	26.082	0.264
100	14.335	35.005	120.1	26.120	0.284
110	14.211	35.003	116.8	26.145	0.303
120	14.080	34.997	114.4	26.168	0.322
130	13.884	34.980	111.6	26.197	0.340
140	13.628	34.951	109.2	26.228	0.359
150	13.478	34.937	107.1	26.248	0.377
160	13.274	34.911	105.6	26.270	0.395
170	13.174	34.896	103.8	26.278	0.413
180	13.113	34.887	101.6	26.283	0.430
190	13.075	34.885	99.4	26.290	0.448
200	13.020	34.886	95.6	26.301	0.466
250	12.717	34.889	69.3	26.364	0.553
300	12.041	34.855	26.3	26.469	0.638
350	10.892	34.792	28.1	26.633	0.715
400	9.807	34.720	34.3	26.767	0.787
450	8.736	34.661	25.6	26.895	0.852
500	8.073	34.627	28.7	26.970	0.912
550	7.658	34.602	50.9	27.012	0.970
600	7.162	34.586	48.3	27.070	1.026
650	6.705	34.569	51.4	27.120	1.078
700	6.346	34.566	50.4	27.165	1.129
750	6.191	34.557	56.3	27.178	1.179
800	5.481	34.549	67.3	27.261	1.226
900	5.011	34.547	71.5	27.315	1.314
1000	4.553	34.552	76.7	27.370	1.398
1500	2.974	34.599	91.4	27.568	1.752
2000	2.161	34.639	111.9	27.670	2.035
2500	1.722	34.660	123.2	27.721	2.284
3000	1.482	34.673	134.7	27.749	2.519
3500	1.287	34.683	142.8	27.771	2.747
3841	1.164	34.690	153.6	27.785	2.897

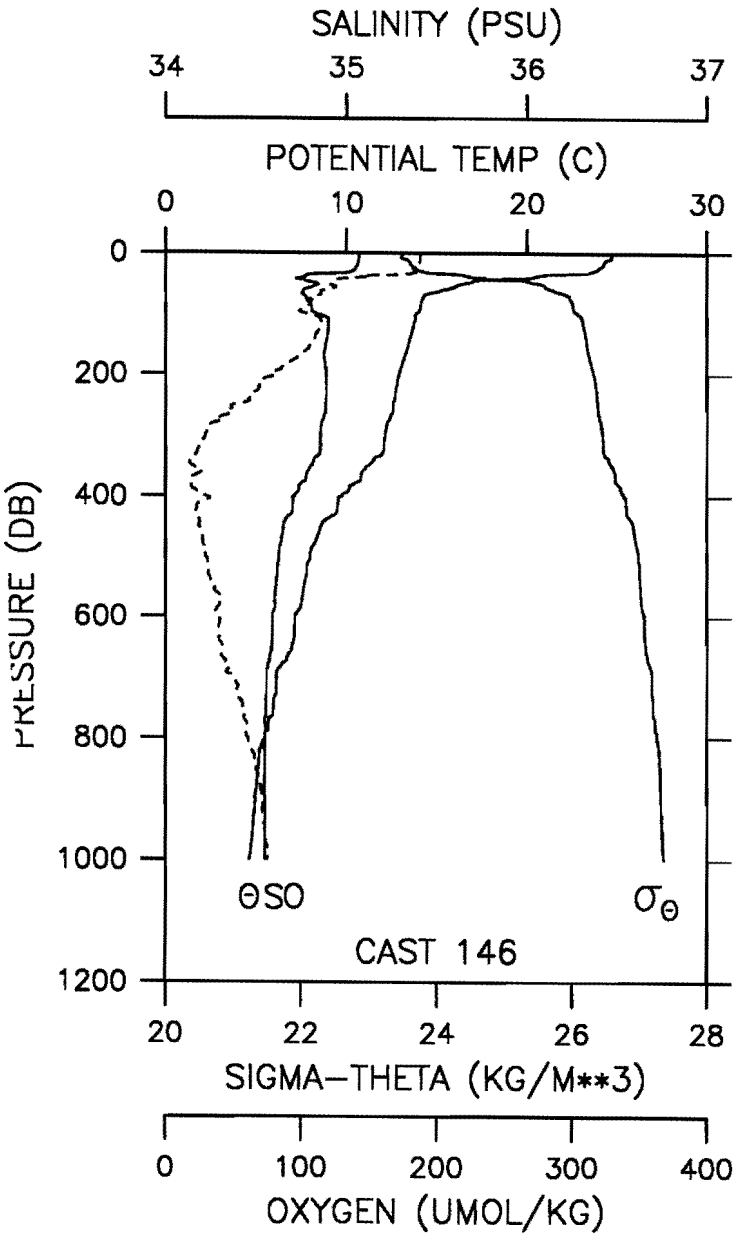

CAST CG3-94-DI -145 DATE 13 APR 94 TIME 1923 GMT
LAT 0 0.0N LONG 110 20.0W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
22
23
24
25
26
27
28
29
30
25
20
15
10
5
0
34
35
36
37
0
100
200
300
400



CAST CG3-94-DI -145 DATE 13 APR 94 TIME 1923 GMT
LAT 0 0.0N LONG 110 20.0W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 80 T SPD 12 KT VISIBILITY 8
CLOUD 4 AMOUNT 2 DRY 26.8 WET 24.0 DEPTH 3784 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.607	35.136	189.8	23.565	0.000
10	24.499	35.137	186.0	23.598	0.043
20	24.288	35.136	184.0	23.660	0.086
30	23.516	35.122	175.9	23.878	0.127
40	20.358	34.828	158.9	24.537	0.166
50	17.435	34.888	114.5	25.325	0.195
60	17.234	35.106	128.8	25.541	0.221
70	15.471	34.858	119.2	25.759	0.244
80	15.540	35.032	125.8	25.877	0.266
90	15.291	35.038	125.8	25.937	0.287
100	14.705	34.941	123.4	25.991	0.308
110	14.235	34.931	123.3	26.085	0.327
120	14.014	34.931	119.3	26.131	0.347
130	13.862	34.931	119.5	26.163	0.366
140	13.763	34.943	117.4	26.194	0.384
150	13.656	34.933	113.6	26.208	0.403
160	13.491	34.916	111.0	26.229	0.421
170	13.384	34.906	108.8	26.243	0.439
180	13.257	34.892	105.0	26.258	0.458
190	13.199	34.888	100.9	26.267	0.476
200	13.100	34.886	95.2	26.285	0.493
250	12.752	34.891	77.4	26.358	0.581
300	12.265	34.864	37.0	26.433	0.666
350	11.286	34.813	21.2	26.578	0.747
400	9.744	34.714	26.9	26.773	0.819
450	9.108	34.677	25.2	26.848	0.885
500	8.157	34.631	30.9	26.961	0.946
550	7.818	34.616	32.1	26.999	1.004
600	7.456	34.603	41.5	27.042	1.061
650	6.989	34.586	46.8	27.094	1.115
700	6.495	34.570	48.0	27.149	1.167
750	6.178	34.561	52.8	27.183	1.217
800	5.602	34.549	64.5	27.246	1.265
900	4.946	34.546	71.0	27.321	1.353
1000	4.660	34.551	75.7	27.358	1.437
1500	3.055	34.598	90.2	27.559	1.793
2000	2.123	34.641	112.7	27.674	2.077
2500	1.723	34.660	123.7	27.721	2.328
3000	1.480	34.673	134.7	27.749	2.564
3500	1.260	34.685	145.8	27.774	2.790
3836	1.163	34.690	154.2	27.785	2.937


CAST CG3-94-DI -146 DATE 14 APR 94 TIME 0107 GMT
LAT 00 20.1N LONG 110 20.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
22
23
24
25
26
27
28
29
S
Q
34
35
36
37
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

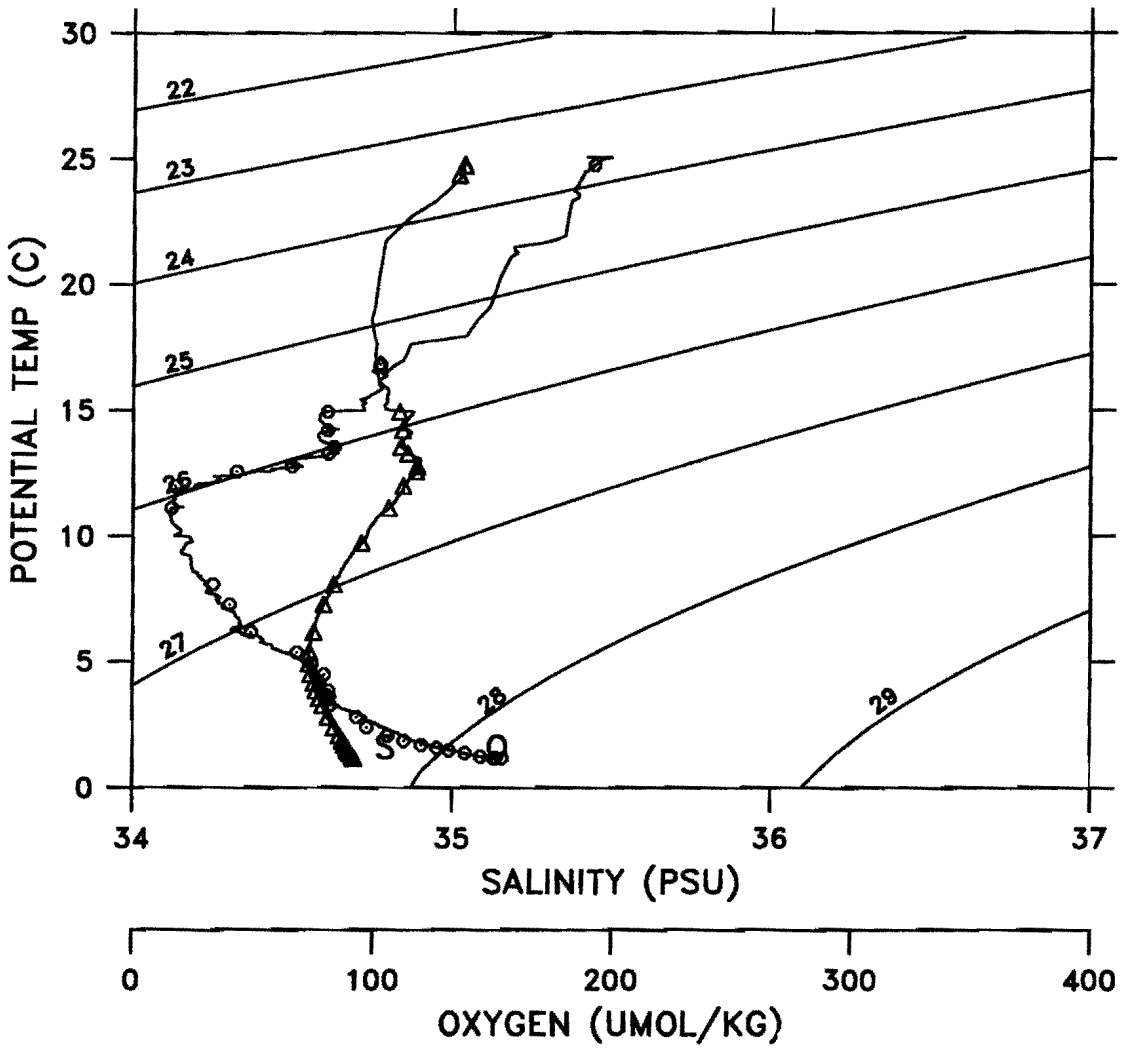


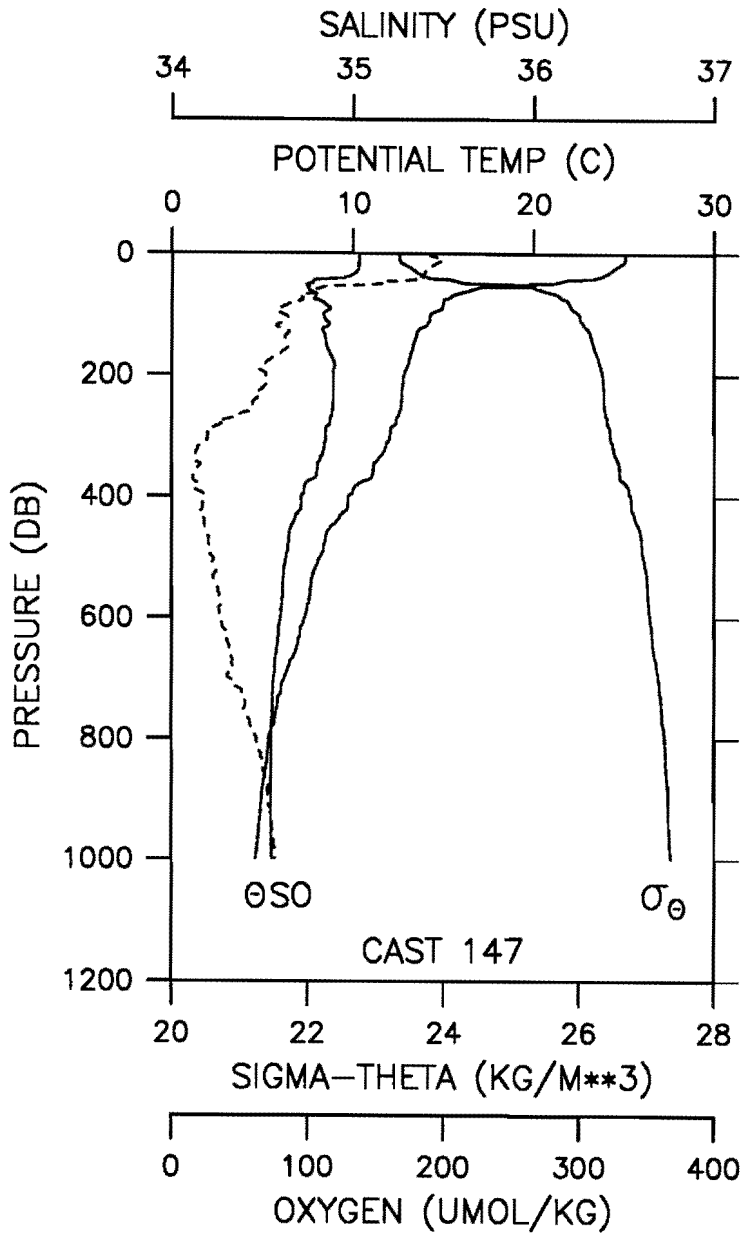
CAST CG3-94-DI -146 DATE 14 APR 94 TIME 0107 GMT
LAT 00 20.1N LONG 110 20.0W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 120 T SPD 08 KT VISIBILITY 7
CLOUD 2 AMOUNT 3 DRY 26.2 WET 23.9 DEPTH 3850 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.703	35.069	187.9	23.485	0.000
10	24.515	35.067	187.9	23.540	0.044
20	24.229	35.063	183.4	23.623	0.087
30	23.650	35.033	187.5	23.771	0.129
40	20.339	34.766	144.6	24.495	0.166
50	16.635	34.834	122.3	25.474	0.195
60	15.563	34.770	119.9	25.671	0.219
70	14.320	34.766	112.4	25.939	0.241
80	14.151	34.788	107.0	25.992	0.261
90	14.099	34.806	103.8	26.017	0.282
100	13.889	34.829	103.1	26.079	0.302
110	13.815	34.901	114.4	26.150	0.321
120	13.731	34.900	113.8	26.167	0.339
130	13.618	34.898	112.5	26.189	0.358
140	13.518	34.893	110.3	26.205	0.377
150	13.436	34.885	107.4	26.216	0.395
160	13.346	34.880	103.7	26.231	0.413
170	13.225	34.876	99.6	26.252	0.431
180	13.120	34.881	91.7	26.277	0.449
190	13.017	34.884	85.0	26.300	0.467
200	12.914	34.887	78.5	26.323	0.485
250	12.606	34.886	50.6	26.384	0.571
300	12.143	34.857	29.3	26.451	0.655
350	11.160	34.805	19.6	26.595	0.735
400	9.764	34.714	29.6	26.769	0.808
450	8.612	34.653	24.6	26.908	0.873
500	7.994	34.625	29.9	26.981	0.932
550	7.664	34.609	35.5	27.016	0.990
600	7.171	34.591	39.2	27.073	1.045
650	6.997	34.586	41.8	27.093	1.099
700	6.133	34.559	50.7	27.187	1.150
750	5.957	34.555	56.9	27.207	1.199
800	5.473	34.550	60.7	27.263	1.246
900	4.940	34.548	71.1	27.324	1.332
1000	4.618	34.552	75.0	27.363	1.416
1500	3.048	34.597	89.9	27.559	1.774
2000	2.124	34.640	112.4	27.674	2.059
2500	1.733	34.659	122.5	27.720	2.308
3000	1.478	34.673	134.0	27.749	2.544
3500	1.275	34.684	144.5	27.773	2.771
3889	1.165	34.691	152.9	27.786	2.941

CAST CG3-94-DI -147 DATE 14 APR 94 TIME 0659 GMT

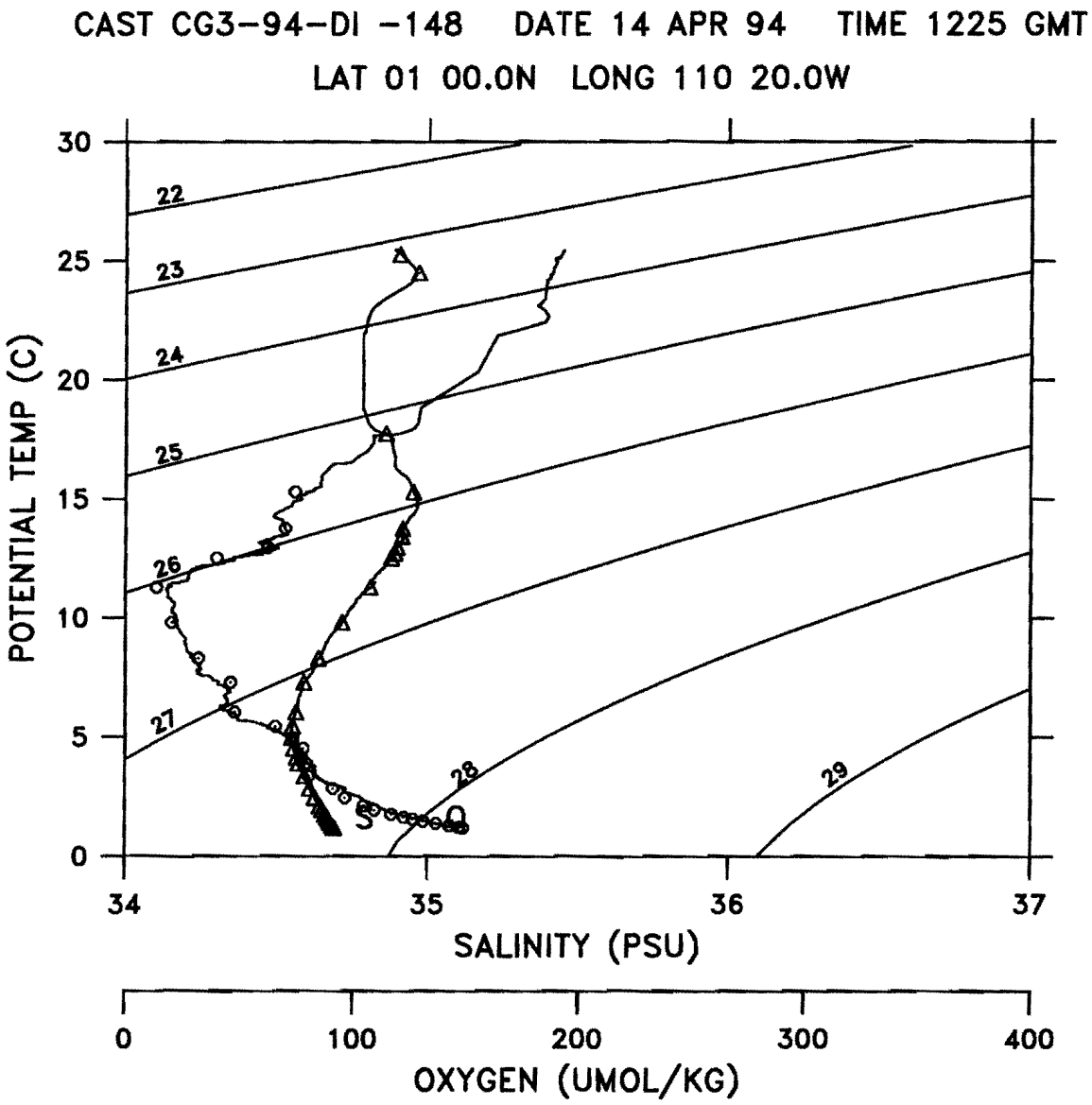
LAT 00 39.9N LONG 110 20.2W

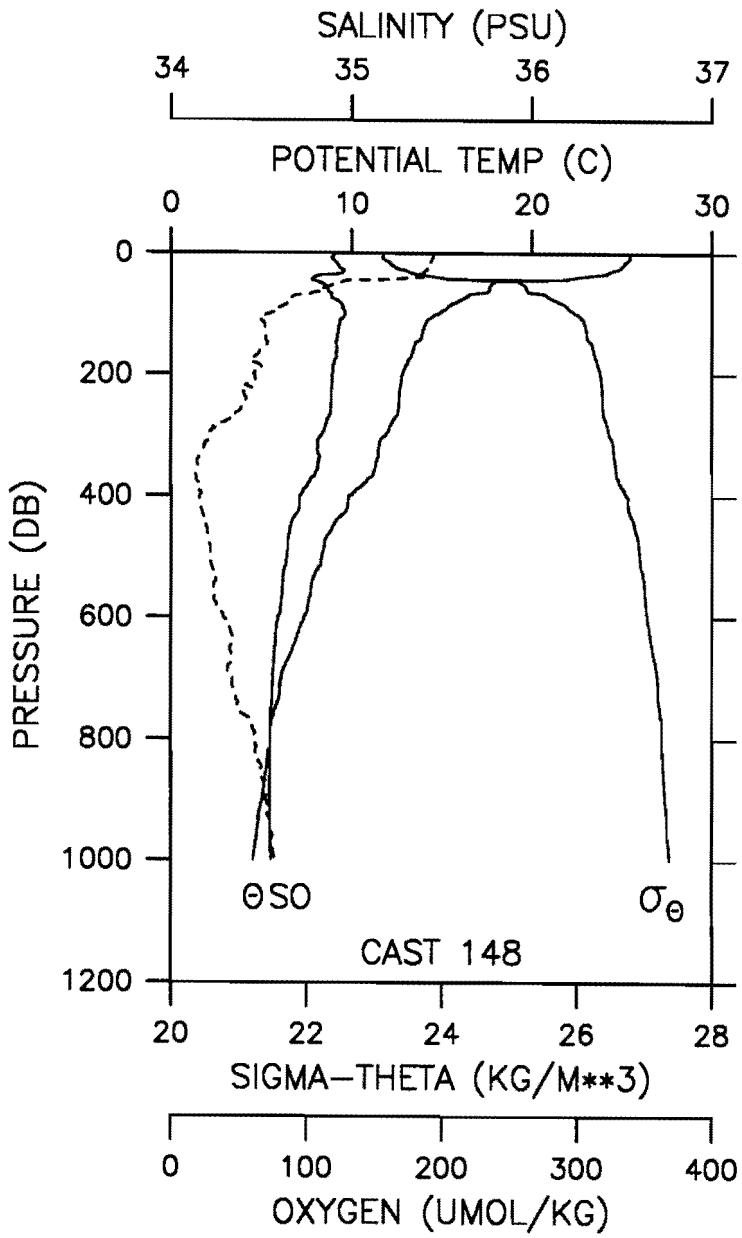




CAST CG3-94-DI -147 DATE 14 APR 94 TIME 0659 GMT
LAT 00 39.9N LONG 110 20.2W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 110 T SPD 09 KT VISIBILITY 9
CLOUD 4 AMOUNT 2 DRY 25.1 WET 23.6 DEPTH 3851 M

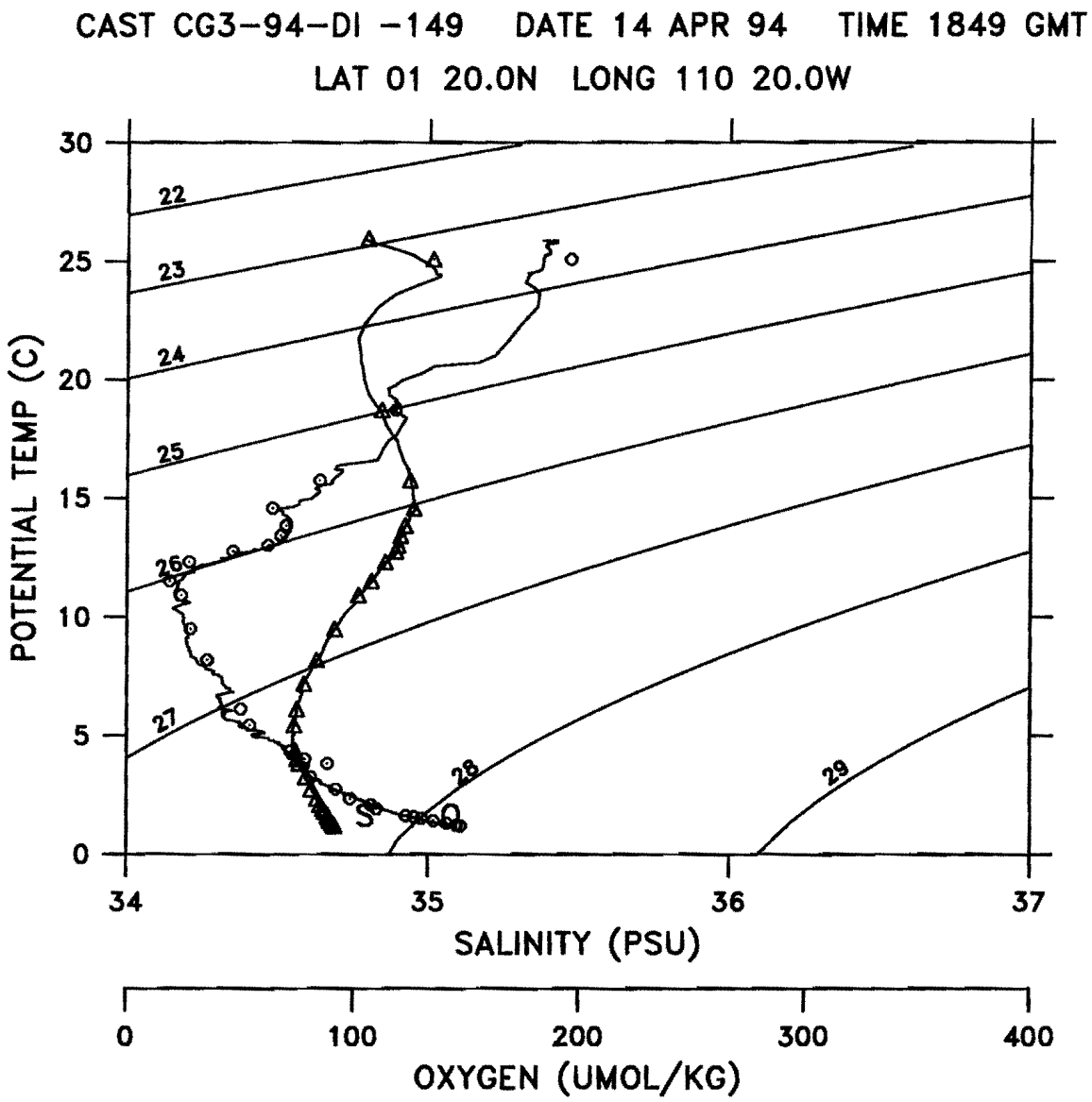
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	25.060	35.034	188.9	23.351	0.000
10	25.043	35.033	199.3	23.355	0.045
20	24.716	35.031	192.1	23.453	0.090
30	24.231	35.021	186.5	23.590	0.134
40	23.441	34.954	185.4	23.772	0.176
50	20.273	34.765	152.8	24.511	0.214
60	16.539	34.758	105.3	25.438	0.242
70	15.486	34.791	96.9	25.704	0.266
80	14.985	34.828	92.0	25.843	0.289
90	14.939	34.873	80.3	25.888	0.310
100	14.287	34.838	80.7	26.002	0.331
110	14.237	34.849	84.1	26.021	0.351
120	14.013	34.863	76.7	26.079	0.371
130	13.534	34.837	86.2	26.159	0.390
140	13.440	34.846	83.4	26.185	0.409
150	13.333	34.850	84.3	26.210	0.428
160	13.268	34.863	82.7	26.234	0.446
170	13.147	34.881	76.9	26.272	0.464
180	13.080	34.895	69.4	26.296	0.482
190	12.946	34.894	64.7	26.322	0.499
200	12.819	34.892	69.0	26.346	0.517
250	12.666	34.888	59.0	26.373	0.602
300	12.040	34.849	26.8	26.465	0.686
350	11.136	34.803	20.3	26.598	0.765
400	9.750	34.714	24.3	26.772	0.838
450	8.770	34.656	24.5	26.886	0.904
500	8.208	34.632	30.0	26.954	0.965
550	7.671	34.612	33.7	27.018	1.022
600	7.348	34.599	35.4	27.054	1.078
650	6.887	34.580	42.3	27.103	1.132
700	6.219	34.563	41.9	27.180	1.183
750	5.778	34.555	53.5	27.229	1.231
800	5.366	34.549	62.5	27.275	1.277
900	4.982	34.549	71.0	27.320	1.364
1000	4.625	34.552	76.0	27.362	1.448
1500	3.041	34.598	90.0	27.560	1.803
2000	2.055	34.643	112.5	27.682	2.086
2500	1.697	34.661	123.1	27.724	2.332
3000	1.468	34.672	133.4	27.750	2.565
3500	1.248	34.685	144.5	27.775	2.791
3887	1.167	34.690	152.0	27.785	2.961

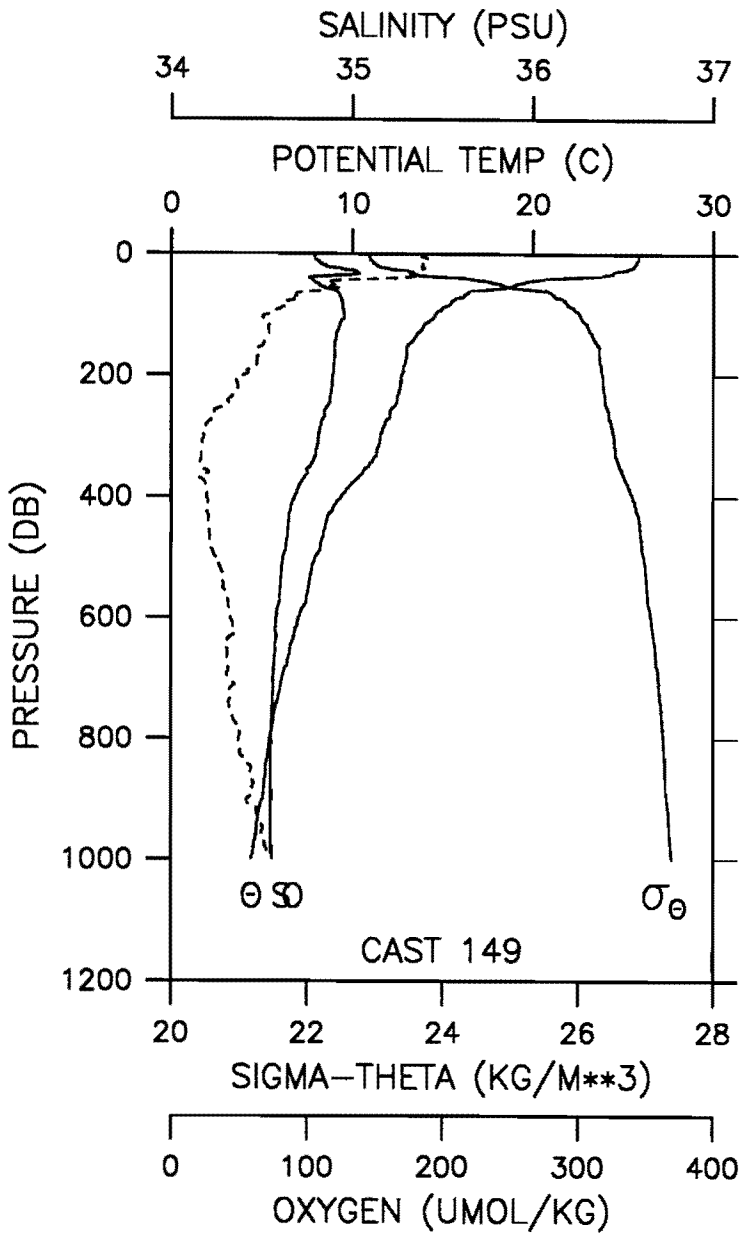

CAST CG3-94-DI -148 DATE 14 APR 94 TIME 1225 GMT
LAT 01 00.0N LONG 110 20.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
22
23
24
25
26
27
28
29
34
35
36
37
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)



CAST CG3-94-DI -148 DATE 14 APR 94 TIME 1225 GMT
LAT 01 00.0N LONG 110 20.0W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 097 T SPD 12 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 25.0 WET 23.1 DEPTH 3700 M

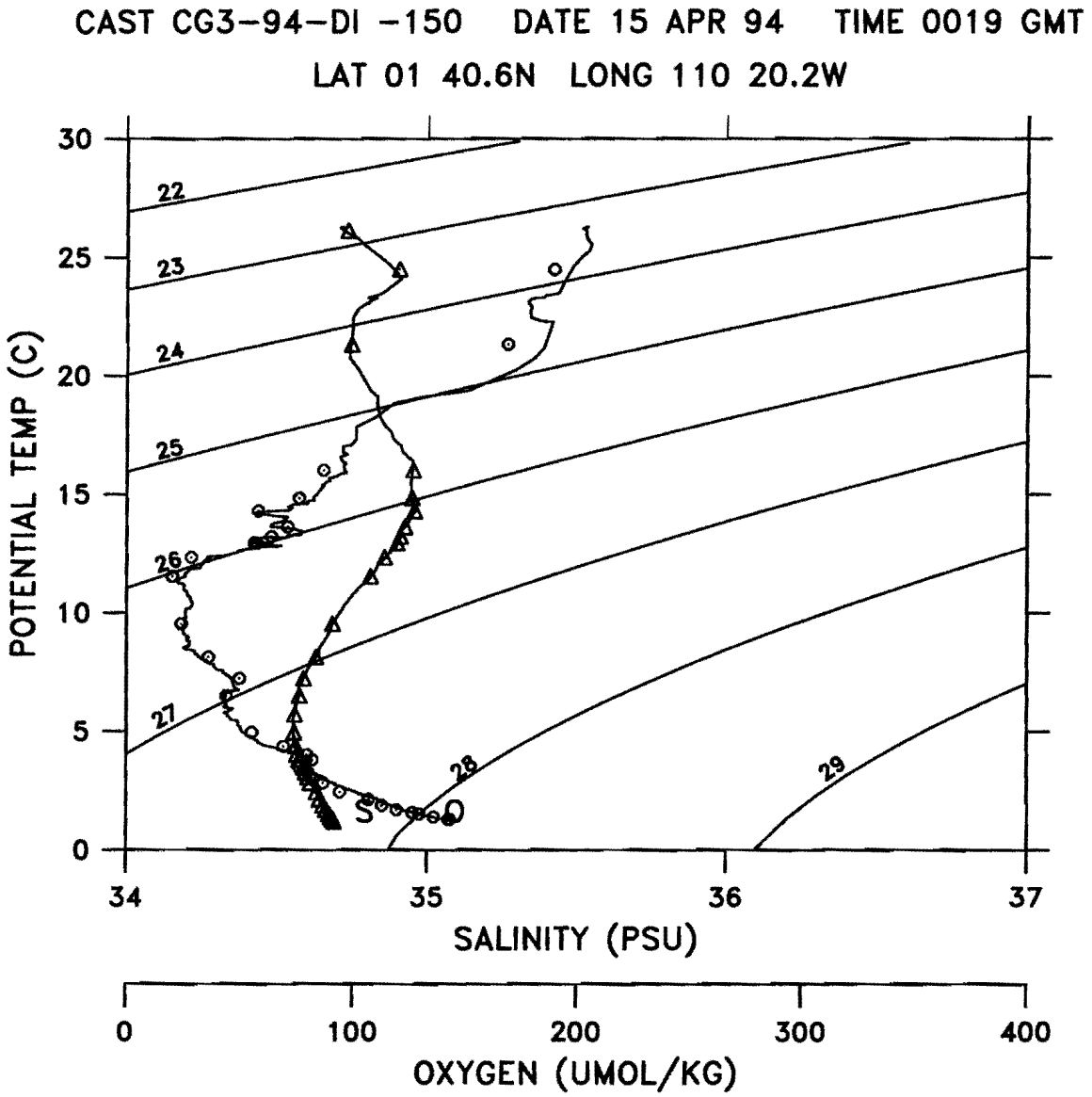
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	25.446	34.902	193.5	23.133	0.000
10	25.395	34.897	193.0	23.145	0.047
20	25.071	34.924	189.4	23.264	0.094
30	24.398	34.956	187.2	23.492	0.139
40	22.423	34.795	185.1	23.944	0.181
50	17.821	34.835	123.3	25.191	0.214
60	17.653	34.868	109.9	25.257	0.242
70	16.479	34.887	91.5	25.551	0.268
80	15.887	34.929	85.9	25.720	0.292
90	15.302	34.952	80.6	25.869	0.314
100	14.862	34.964	73.2	25.976	0.335
110	14.221	34.938	65.6	26.093	0.354
120	14.058	34.931	68.9	26.122	0.374
130	13.934	34.924	69.1	26.143	0.393
140	13.873	34.920	69.6	26.153	0.412
150	13.519	34.914	70.8	26.221	0.430
160	13.422	34.917	66.0	26.243	0.449
170	13.313	34.917	62.6	26.266	0.467
180	13.113	34.904	59.8	26.296	0.484
190	12.945	34.896	67.1	26.324	0.502
200	12.830	34.894	61.0	26.345	0.519
250	12.618	34.886	54.2	26.381	0.605
300	11.889	34.834	28.5	26.482	0.688
350	11.327	34.813	19.8	26.571	0.767
400	9.859	34.714	21.4	26.753	0.841
450	8.981	34.662	26.1	26.857	0.908
500	8.366	34.641	28.6	26.937	0.970
550	7.770	34.617	31.4	27.007	1.028
600	7.369	34.593	38.4	27.046	1.085
650	6.738	34.574	43.5	27.119	1.139
700	6.093	34.562	45.5	27.195	1.189
750	5.777	34.555	49.4	27.229	1.236
800	5.460	34.550	62.1	27.264	1.282
900	5.054	34.547	69.7	27.310	1.371
1000	4.540	34.553	76.2	27.373	1.454
1500	3.039	34.598	88.3	27.560	1.811
2000	2.103	34.641	111.4	27.676	2.098
2500	1.694	34.662	123.3	27.725	2.346
3000	1.480	34.672	132.6	27.748	2.579
3500	1.239	34.686	144.0	27.777	2.805
3703	1.194	34.688	146.1	27.782	2.893

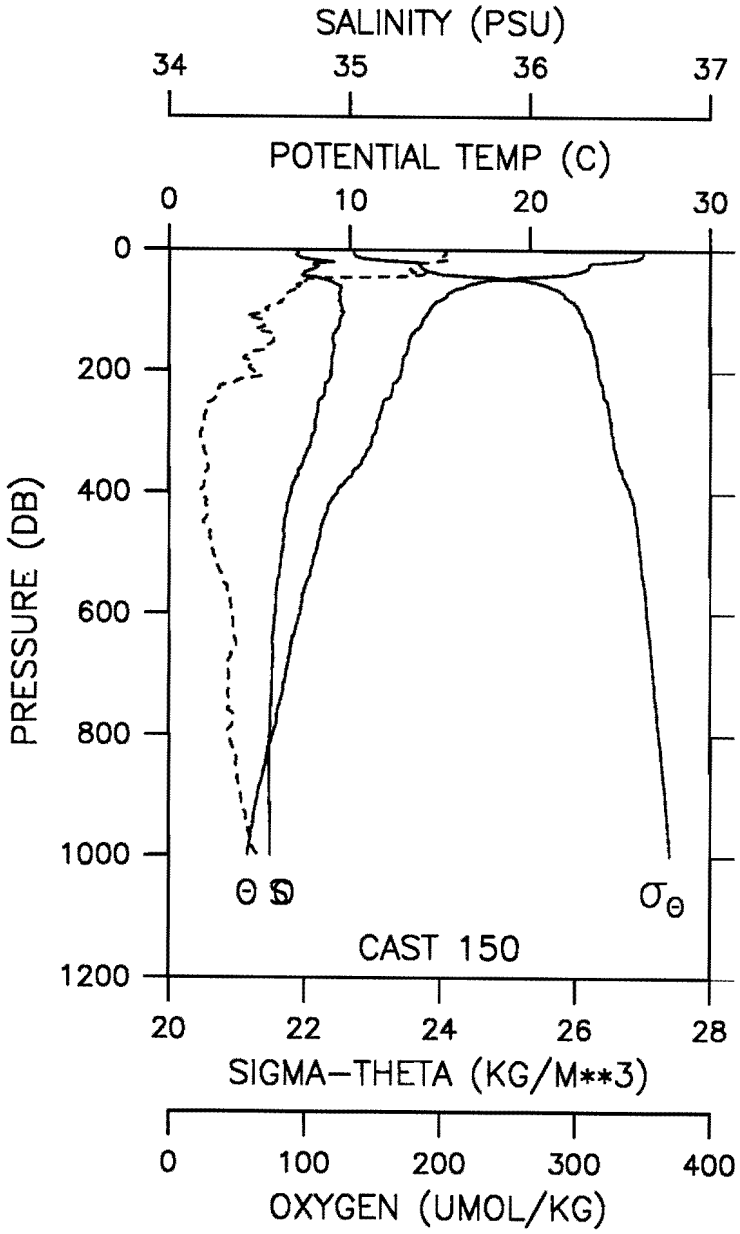

CAST CG3-94-DI -149 DATE 14 APR 94 TIME 1849 GMT
LAT 01 20.0N LONG 110 20.0W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
22
23
24
25
26
27
28
29
S
Q
30
25
20
15
10
5
0
34
35
36
37
0
100
200
300
400



CAST CG3-94-DI -149 DATE 14 APR 94 TIME 1849 GMT
LAT 01 20.0N LONG 110 20.0W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 105 T SPD 09 KT VISIBILITY 9
CLOUD 6 AMOUNT 5 DRY 27.8 WET 24.3 DEPTH 3772 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	25.866	34.792	183.8	22.920	0.000
10	25.837	34.798	189.7	22.933	0.049
20	25.624	34.851	185.3	23.040	0.098
30	24.471	35.020	177.0	23.518	0.144
40	21.007	34.771	162.6	24.319	0.186
50	19.061	34.813	117.9	24.864	0.219
60	17.044	34.900	112.5	25.428	0.248
70	16.196	34.932	94.0	25.651	0.272
80	15.482	34.943	84.2	25.822	0.295
90	14.972	34.947	80.6	25.938	0.316
100	14.599	34.955	71.2	26.025	0.337
110	14.291	34.939	68.7	26.079	0.357
120	13.957	34.928	71.2	26.142	0.376
130	13.644	34.914	71.8	26.195	0.395
140	13.407	34.907	70.2	26.239	0.413
150	13.110	34.900	67.5	26.294	0.431
160	13.013	34.902	62.5	26.315	0.448
170	12.993	34.902	63.2	26.319	0.466
180	12.932	34.899	62.4	26.329	0.483
190	12.834	34.897	58.2	26.347	0.500
200	12.735	34.892	53.7	26.362	0.517
250	12.373	34.865	41.5	26.413	0.602
300	11.559	34.813	23.9	26.528	0.683
350	10.911	34.767	20.9	26.611	0.761
400	9.383	34.681	25.8	26.807	0.831
450	8.508	34.646	28.2	26.918	0.894
500	7.959	34.617	33.3	26.979	0.953
550	7.587	34.602	38.1	27.022	1.010
600	7.017	34.578	43.7	27.084	1.065
650	6.567	34.573	40.5	27.141	1.118
700	6.111	34.562	41.7	27.192	1.167
750	5.754	34.558	43.3	27.234	1.215
800	5.438	34.553	49.8	27.269	1.261
900	5.033	34.554	55.5	27.318	1.349
1000	4.394	34.556	69.9	27.391	1.431
1500	3.074	34.598	85.0	27.558	1.786
2000	2.088	34.641	108.6	27.677	2.069
2500	1.694	34.662	119.5	27.724	2.316
3000	1.501	34.671	128.6	27.746	2.550
3500	1.271	34.684	140.0	27.773	2.778
3809	1.190	34.688	143.5	27.782	2.914


CAST CG3-94-DI -150 DATE 15 APR 94 TIME 0019 GMT
LAT 01 40.6N LONG 110 20.2W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
22
23
24
25
26
27
28
29
S
O
30
25
20
15
10
5
0
34
35
36
37
0
100
200
300
400

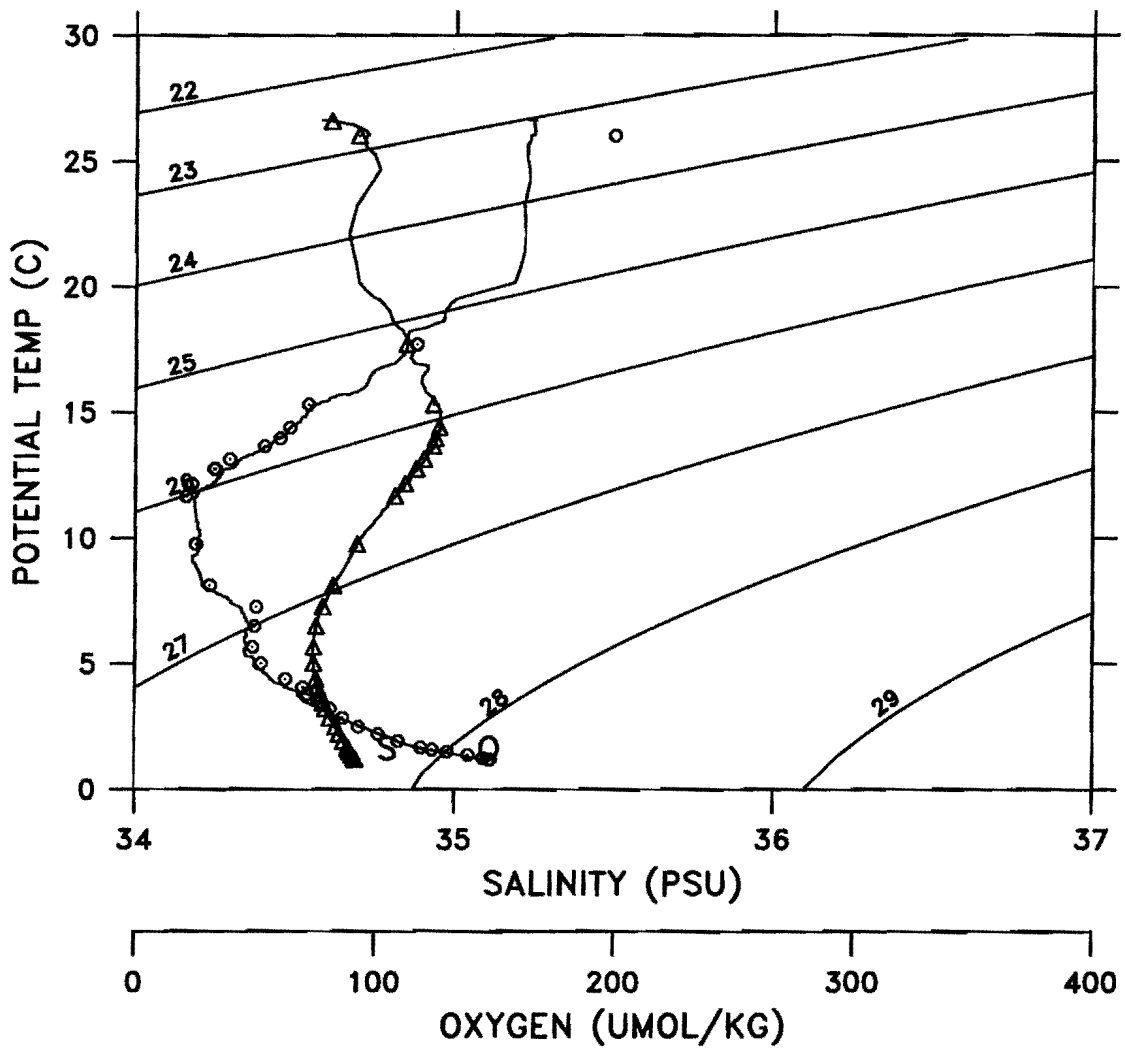


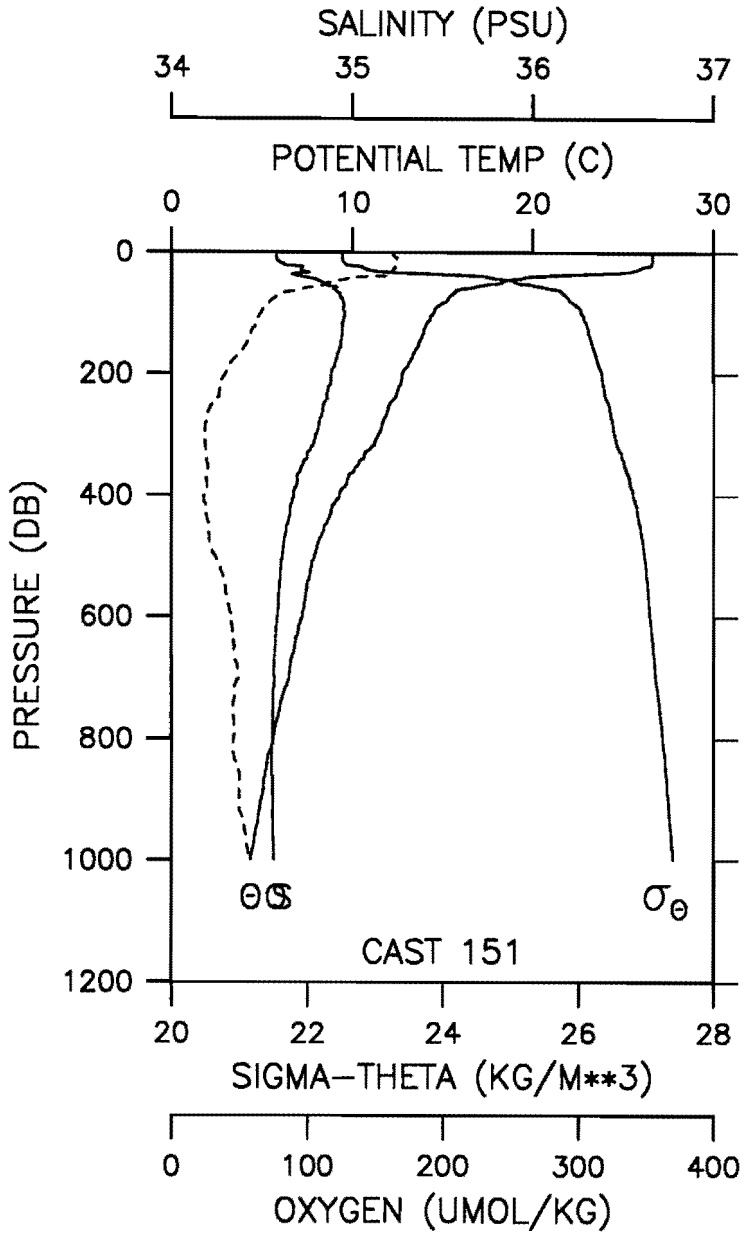
CAST CG3-94-DI -150 DATE 15 APR 94 TIME 0019 GMT
LAT 01 40.6N LONG 110 20.2W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 110 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 26.3 WET 23.6 DEPTH 3834 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	26.292	34.715	204.0	22.729	0.000
10	26.229	34.708	202.2	22.743	0.051
20	24.107	34.910	194.8	23.543	0.100
30	23.204	34.809	178.8	23.731	0.142
40	22.104	34.746	188.4	23.997	0.183
50	17.672	34.873	101.2	25.256	0.215
60	16.444	34.947	94.6	25.605	0.241
70	15.567	34.945	89.5	25.804	0.264
80	15.212	34.945	85.6	25.884	0.285
90	14.682	34.947	79.7	26.001	0.306
100	14.451	34.954	72.5	26.057	0.326
110	14.242	34.955	57.7	26.102	0.345
120	14.013	34.942	70.5	26.140	0.365
130	13.805	34.936	66.8	26.179	0.384
140	13.436	34.909	77.4	26.234	0.402
150	13.302	34.907	76.9	26.260	0.420
160	13.246	34.912	70.8	26.276	0.438
170	13.169	34.910	59.8	26.289	0.456
180	12.963	34.901	54.9	26.324	0.473
190	12.931	34.900	61.0	26.330	0.491
200	12.855	34.896	61.7	26.342	0.508
250	11.885	34.827	31.9	26.477	0.592
300	11.444	34.805	23.5	26.543	0.671
350	10.651	34.742	28.3	26.637	0.747
400	9.325	34.677	24.5	26.813	0.817
450	8.510	34.639	25.4	26.913	0.880
500	8.117	34.625	32.8	26.962	0.939
550	7.606	34.600	40.4	27.018	0.997
600	7.262	34.588	46.1	27.057	1.053
650	6.759	34.572	49.4	27.115	1.106
700	6.459	34.570	43.6	27.154	1.158
750	6.134	34.564	43.9	27.191	1.207
800	5.722	34.556	44.6	27.237	1.255
900	4.899	34.556	52.7	27.335	1.344
1000	4.320	34.559	65.1	27.402	1.424
1500	3.037	34.602	85.4	27.564	1.773
2000	2.122	34.640	111.5	27.673	2.056
2500	1.717	34.660	122.0	27.721	2.304
3000	1.516	34.670	131.2	27.745	2.538
3500	1.283	34.683	142.2	27.771	2.766
3800	1.188	34.688	145.7	27.782	2.899

CAST CG3-94-DI -151 DATE 15 APR 94 TIME 0549 GMT

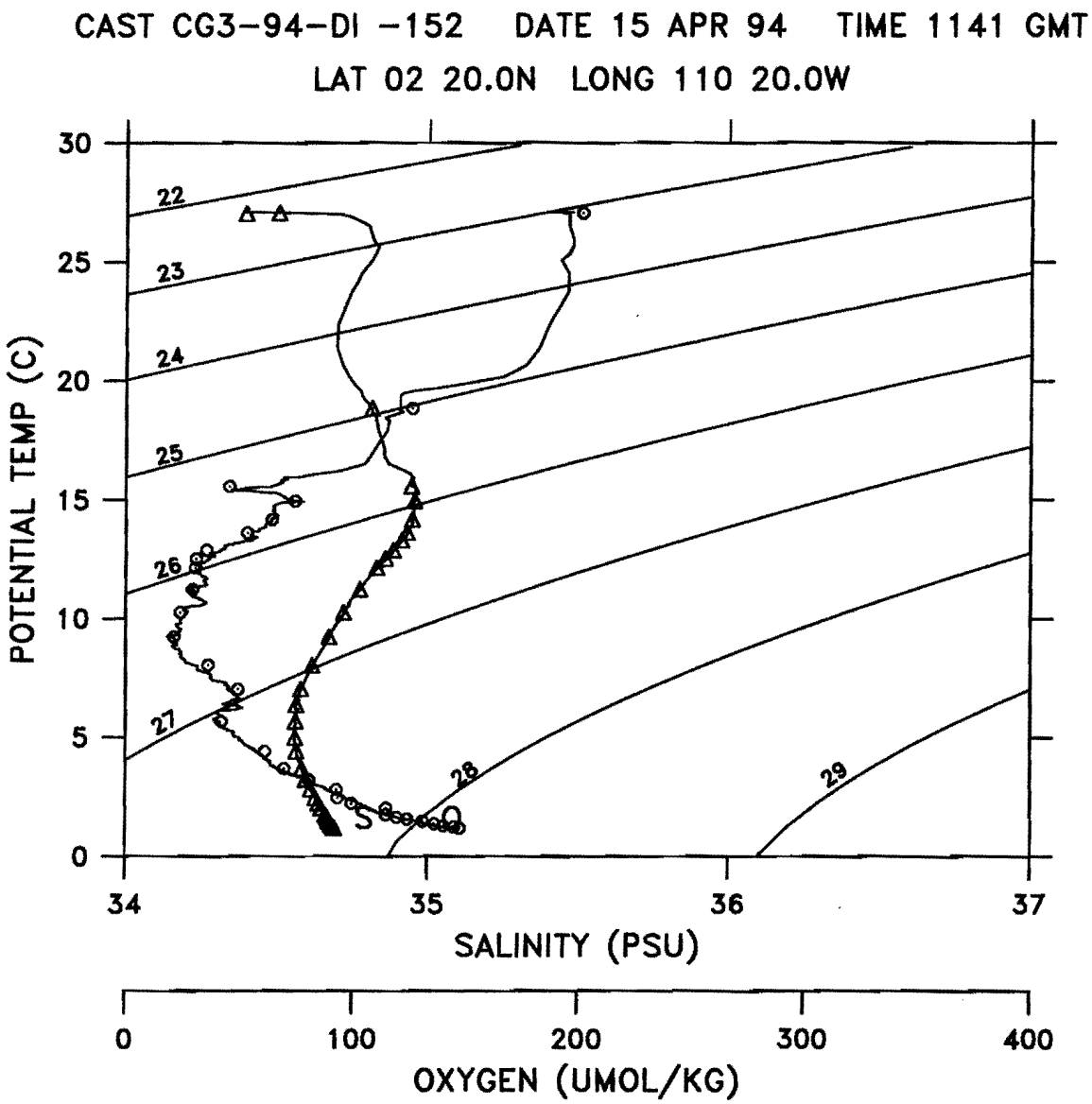
LAT 02 00.2N LONG 110 20.0W

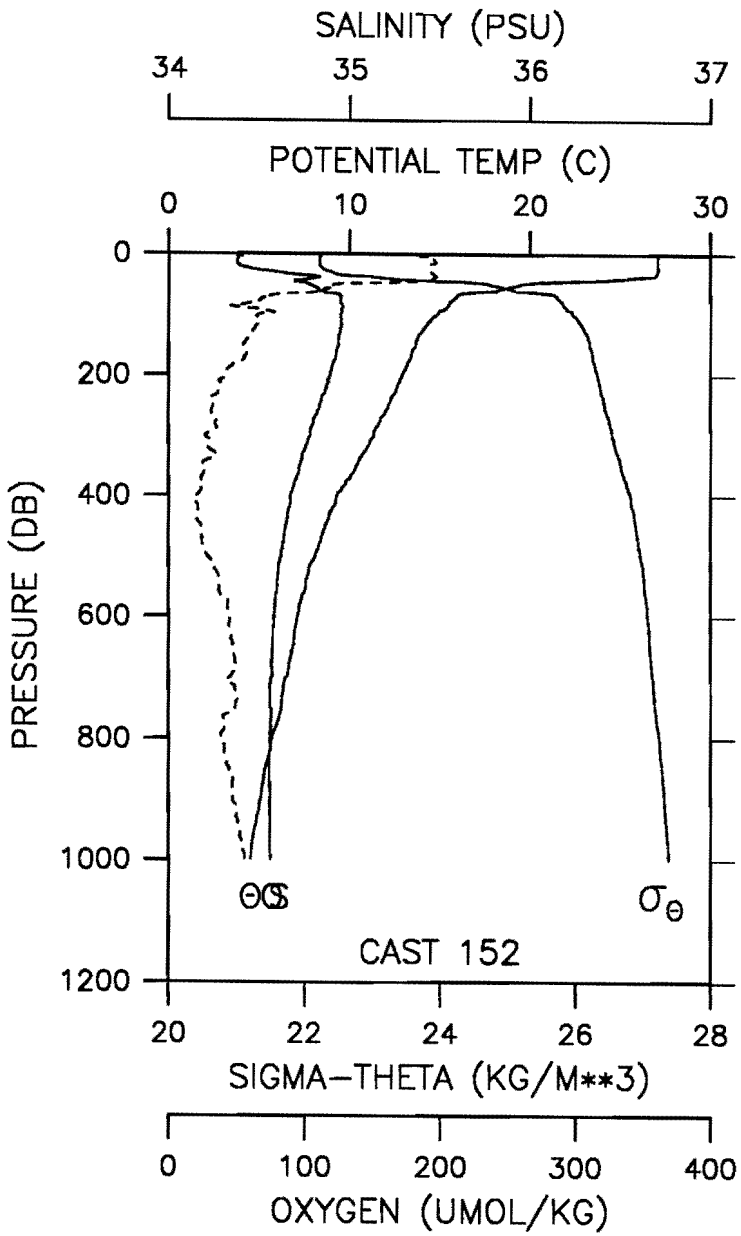




CAST CG3-94-DI -151 DATE 15 APR 94 TIME 0549 GMT
LAT 02 00.2N LONG 110 20.0W WEATHER 1 SEA STATE 5
BAROMETER 11 WIND DIR 110 T SPD 15 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 26.0 WET 23.0 DEPTH 3835 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	26.632	34.581	163.3	22.521	0.000
10	26.643	34.581	166.2	22.517	0.053
20	26.585	34.622	165.6	22.567	0.106
30	25.583	34.715	162.9	22.950	0.157
40	19.823	34.718	145.2	24.595	0.199
50	18.264	34.834	115.2	25.080	0.230
60	16.161	34.893	96.5	25.629	0.256
70	15.475	34.929	80.3	25.813	0.278
80	15.226	34.946	73.3	25.882	0.300
90	14.687	34.952	68.6	26.004	0.321
100	14.490	34.955	65.5	26.049	0.341
110	14.304	34.951	63.0	26.085	0.360
120	14.058	34.944	61.3	26.132	0.380
130	13.954	34.942	58.7	26.153	0.399
140	13.836	34.940	57.4	26.176	0.418
150	13.672	34.933	55.4	26.205	0.436
160	13.512	34.926	52.2	26.232	0.454
170	13.326	34.915	48.5	26.262	0.473
180	13.199	34.908	44.2	26.282	0.491
190	12.996	34.897	42.1	26.315	0.508
200	12.754	34.883	38.7	26.352	0.526
250	12.079	34.840	30.3	26.451	0.610
300	11.409	34.795	24.5	26.542	0.690
350	10.310	34.723	26.5	26.683	0.765
400	9.285	34.674	23.8	26.817	0.833
450	8.441	34.635	27.0	26.920	0.896
500	7.887	34.611	31.6	26.985	0.955
550	7.498	34.596	39.5	27.031	1.012
600	7.215	34.586	44.0	27.063	1.067
650	6.799	34.573	46.1	27.110	1.120
700	6.499	34.567	49.4	27.146	1.172
750	5.984	34.559	45.2	27.207	1.221
800	5.614	34.557	45.6	27.251	1.268
900	4.932	34.559	49.2	27.334	1.356
1000	4.344	34.565	56.8	27.404	1.437
1500	2.989	34.602	81.4	27.569	1.782
2000	2.158	34.638	103.4	27.669	2.067
2500	1.657	34.664	118.1	27.729	2.315
3000	1.490	34.671	128.2	27.747	2.548
3500	1.244	34.685	142.0	27.776	2.774
3843	1.185	34.688	147.6	27.782	2.924


CAST CG3-94-DI -152 DATE 15 APR 94 TIME 1141 GMT
LAT 02 20.0N LONG 110 20.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
22
23
24
25
26
27
28
29
34
35
36
37
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

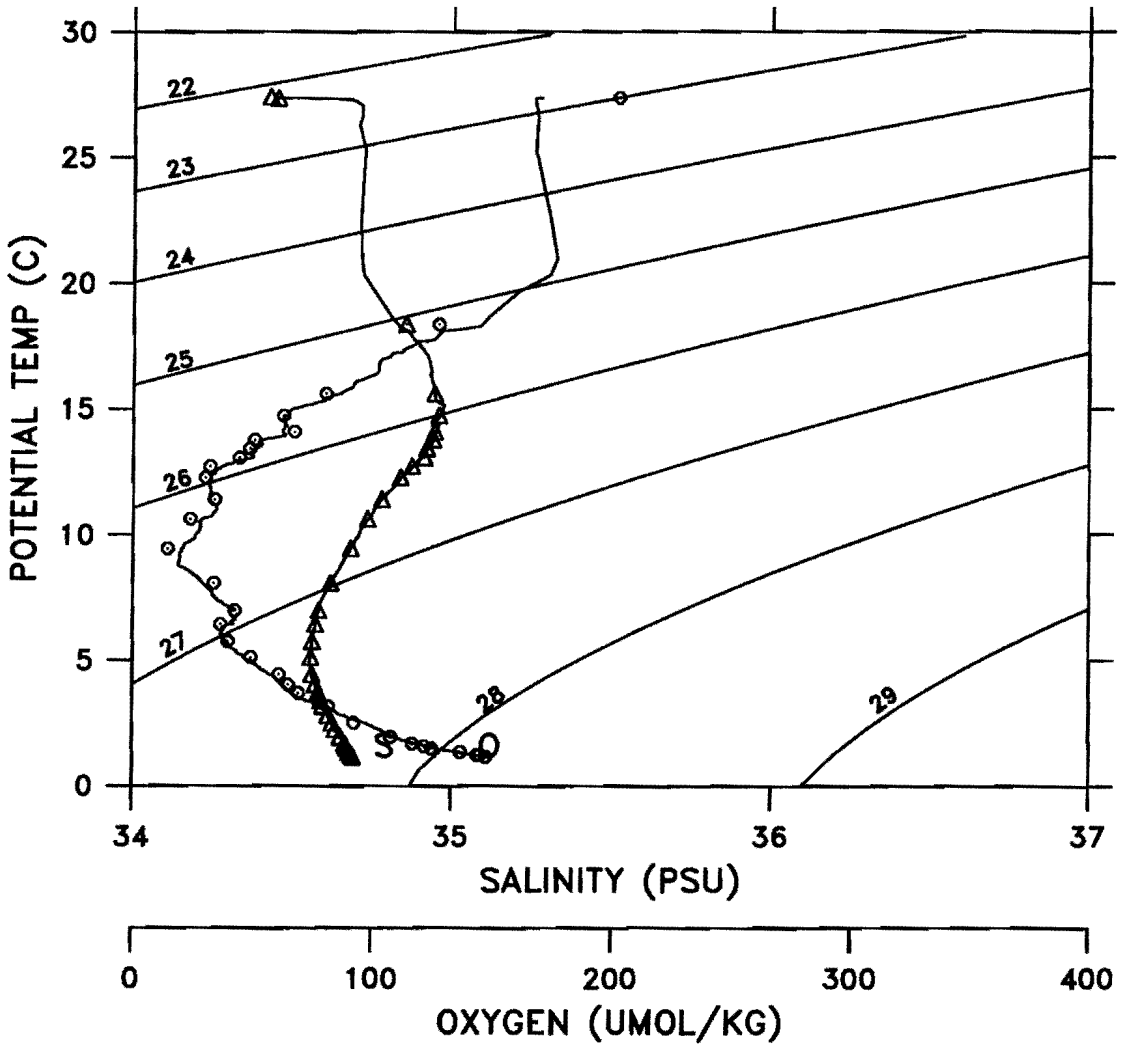


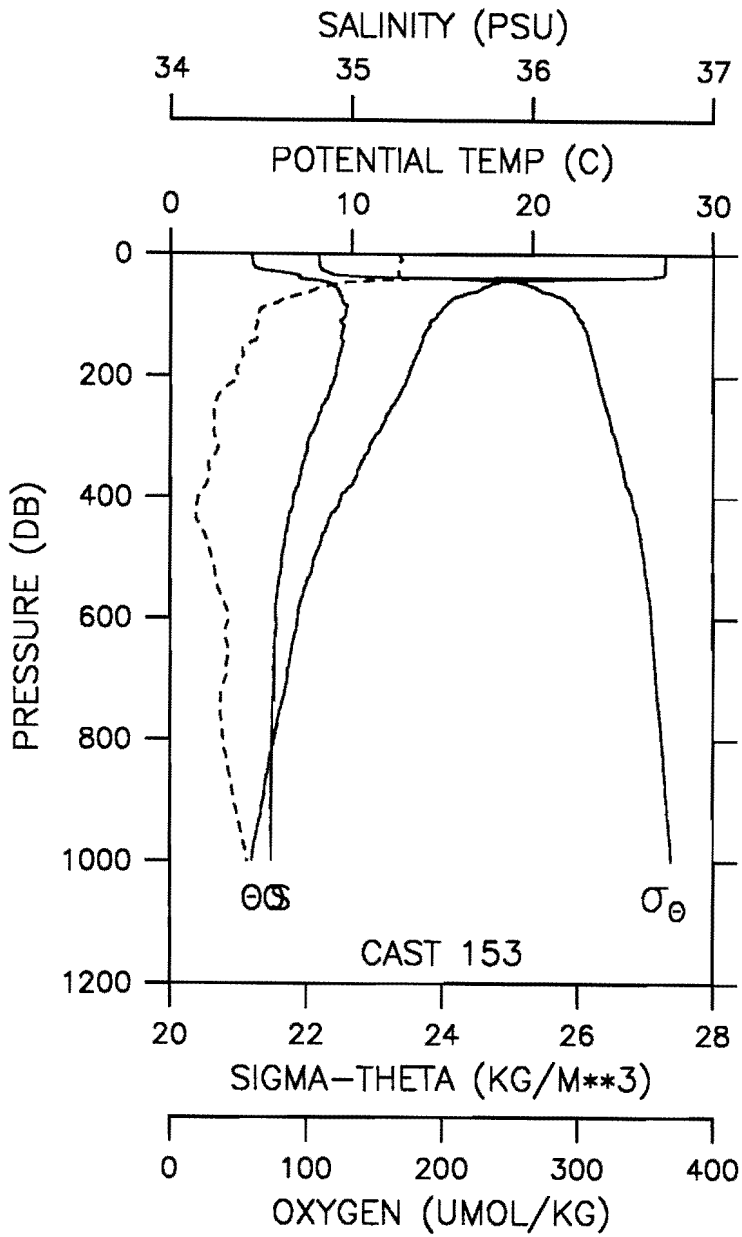
CAST CG3-94-DI -152 DATE 15 APR 94 TIME 1141 GMT
LAT 02 20.0N LONG 110 20.0W WEATHER 0 SEA STATE 4
BAROMETER 09 WIND DIR 110 T SPD 10 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 25.9 WET 23.0 DEPTH 3700 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.098	34.408	185.6	22.243	0.000
10	27.088	34.381	195.8	22.225	0.056
20	27.098	34.394	193.0	22.232	0.112
30	27.050	34.588	193.3	22.393	0.167
40	25.083	34.812	192.2	23.176	0.219
50	19.493	34.778	122.8	24.726	0.258
60	18.131	34.832	115.5	25.112	0.288
70	15.926	34.952	69.5	25.729	0.313
80	15.544	34.950	64.1	25.813	0.335
90	15.329	34.958	58.2	25.867	0.357
100	14.838	34.950	66.9	25.970	0.378
110	14.468	34.954	65.1	26.052	0.398
120	14.195	34.952	64.1	26.109	0.417
130	13.936	34.946	61.1	26.159	0.437
140	13.756	34.938	58.1	26.191	0.455
150	13.654	34.938	55.2	26.212	0.474
160	13.470	34.928	55.3	26.242	0.492
170	13.389	34.923	55.9	26.255	0.510
180	13.198	34.908	49.8	26.283	0.528
190	13.082	34.900	43.7	26.300	0.546
200	12.909	34.891	42.4	26.327	0.563
250	12.133	34.834	32.7	26.435	0.648
300	11.323	34.781	26.8	26.547	0.728
350	10.361	34.723	25.3	26.674	0.803
400	9.282	34.673	20.5	26.817	0.872
450	8.660	34.646	23.7	26.895	0.936
500	8.098	34.620	28.2	26.961	0.996
550	7.571	34.599	37.2	27.022	1.054
600	7.122	34.582	44.8	27.073	1.109
650	6.884	34.574	47.1	27.099	1.162
700	6.500	34.570	45.6	27.148	1.214
750	6.203	34.562	48.9	27.180	1.264
800	5.700	34.560	40.3	27.243	1.312
900	5.083	34.559	47.2	27.316	1.401
1000	4.513	34.561	56.3	27.383	1.484
1500	3.105	34.599	81.8	27.555	1.835
2000	2.248	34.635	102.6	27.660	2.125
2500	1.672	34.665	118.7	27.728	2.376
3000	1.474	34.672	128.6	27.749	2.608
3500	1.235	34.686	139.7	27.777	2.834
3732	1.182	34.688	144.2	27.782	2.935

CAST CG3-94-DI -153 DATE 15 APR 94 TIME 1748 GMT

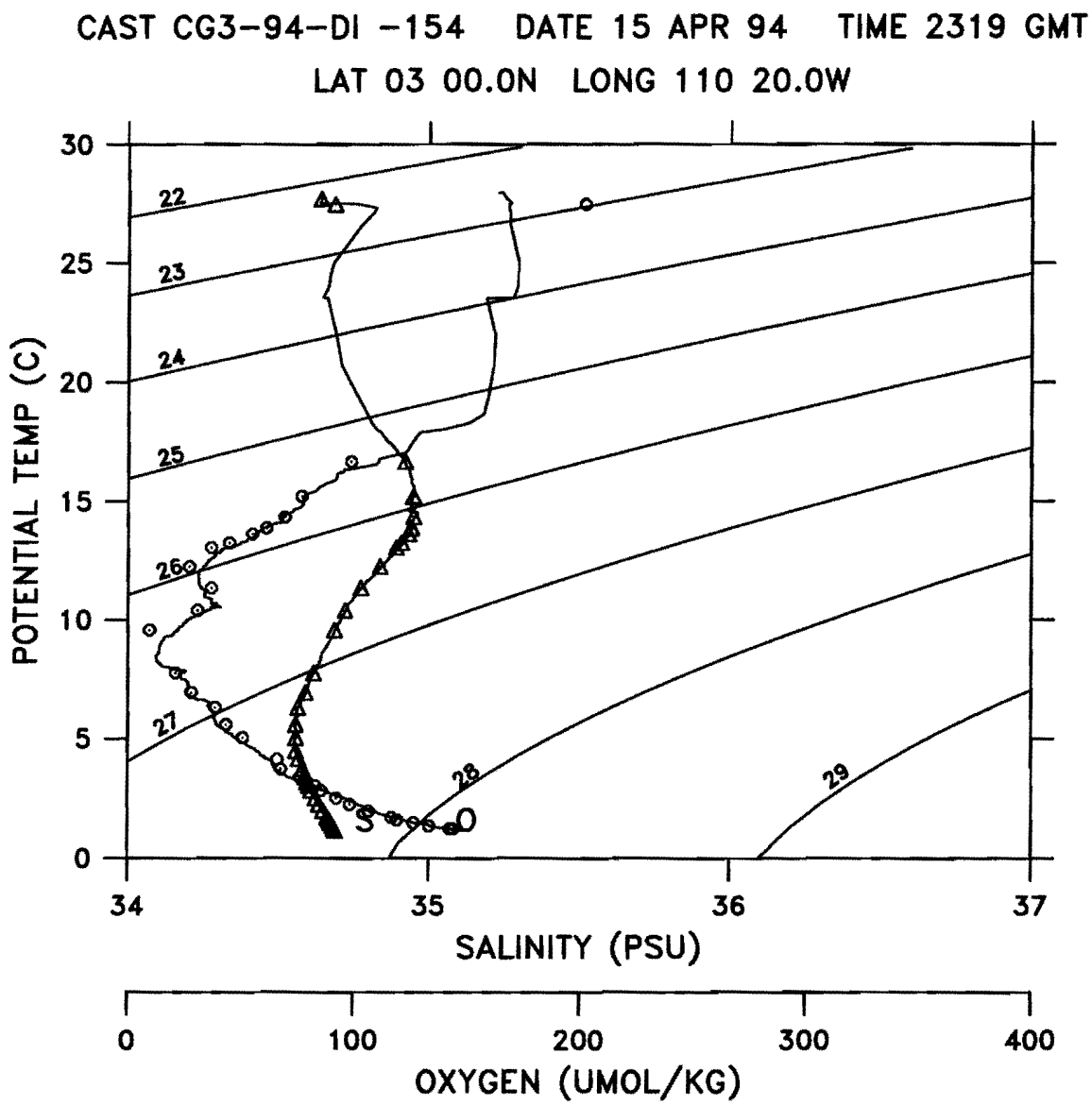
LAT 02 40.0N LONG 110 19.9W

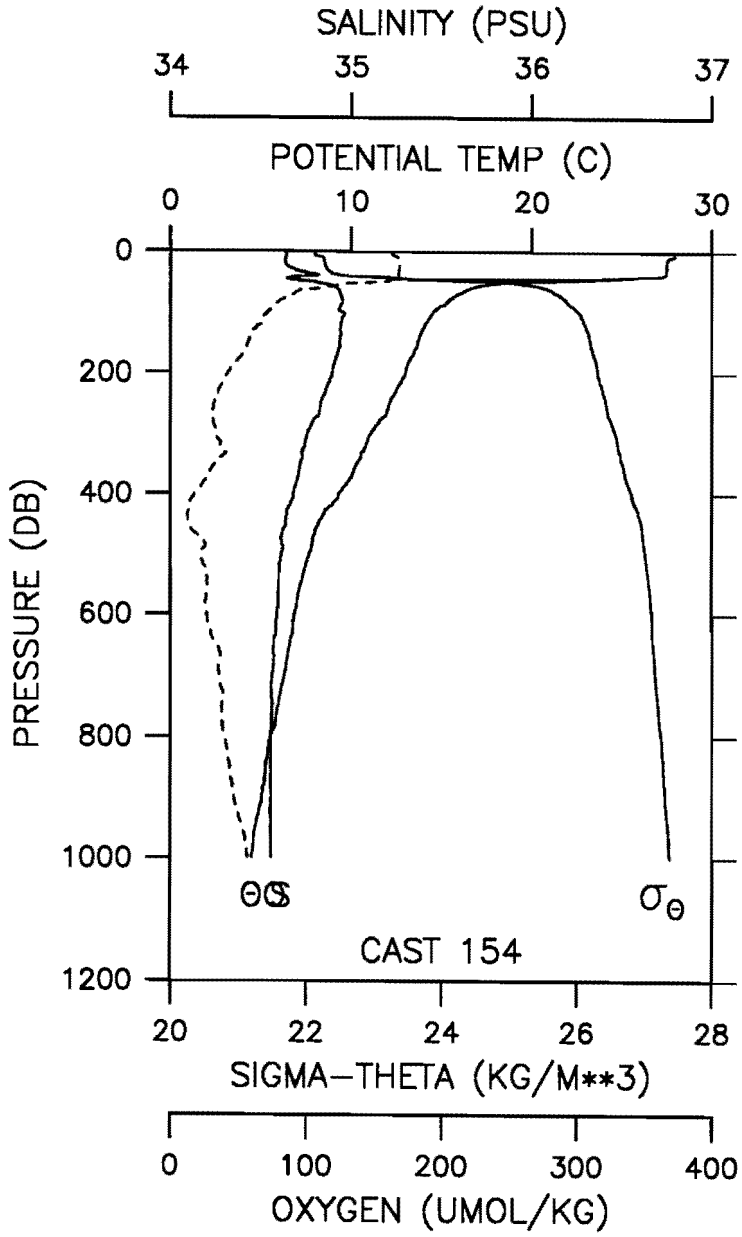




CAST CG3-94-DI -153 DATE 15 APR 94 TIME 1748 GMT
LAT 02 40.0N LONG 110 19.9W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 100 T SPD 11 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 27.2 WET 24.1 DEPTH 3761 M

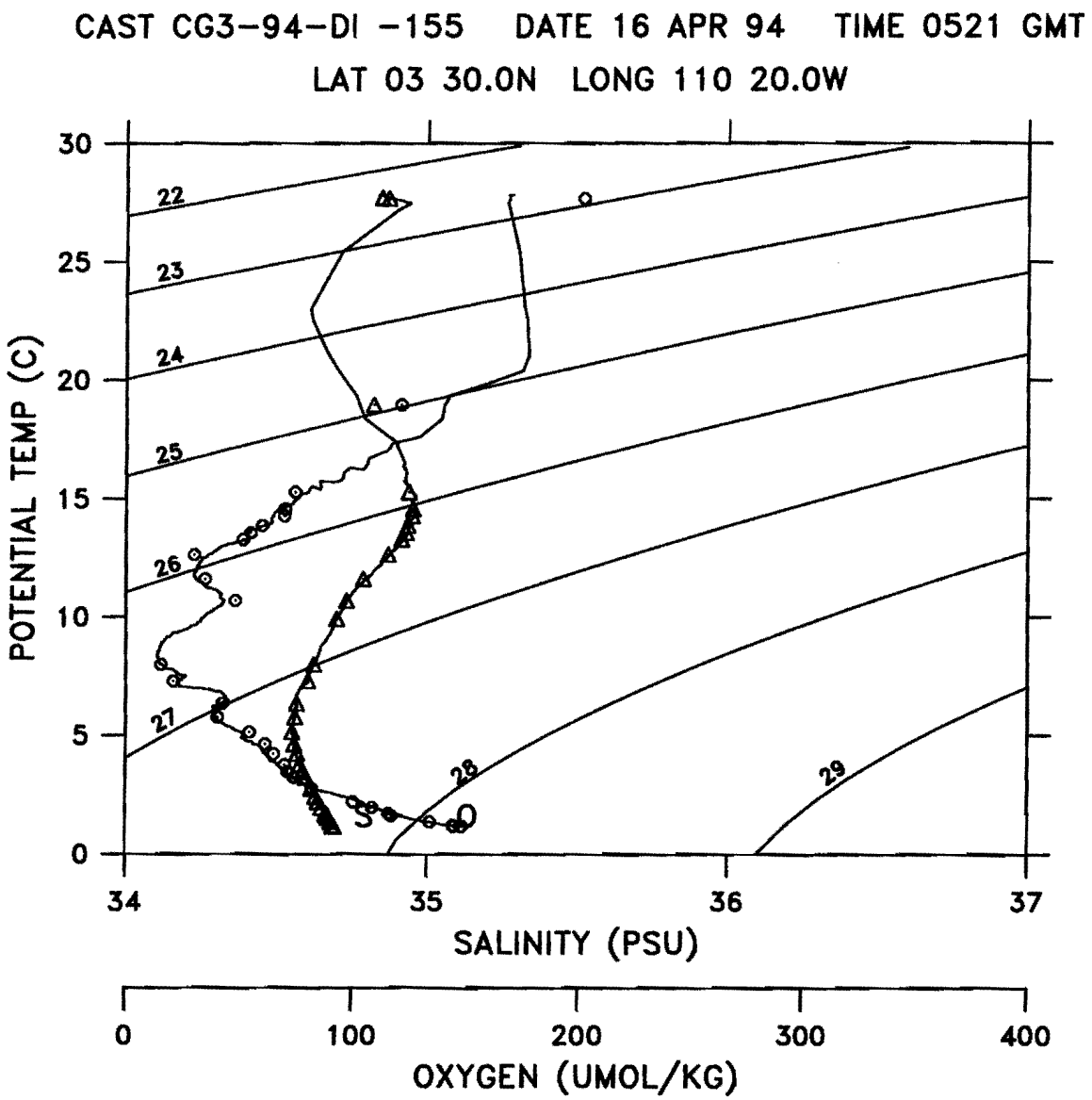
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.381	34.451	168.8	22.185	0.000
10	27.366	34.451	169.7	22.189	0.056
20	27.358	34.460	168.4	22.198	0.113
30	27.342	34.609	167.7	22.316	0.169
40	20.976	34.712	176.8	24.283	0.220
50	17.675	34.889	118.5	25.268	0.250
60	16.993	34.926	104.4	25.460	0.276
70	15.782	34.944	89.4	25.755	0.299
80	15.308	34.952	79.0	25.867	0.321
90	15.002	34.969	66.5	25.948	0.342
100	14.732	34.966	63.4	26.005	0.363
110	14.349	34.936	63.4	26.065	0.383
120	14.234	34.953	63.1	26.102	0.402
130	14.029	34.946	62.7	26.140	0.422
140	13.922	34.945	63.3	26.162	0.441
150	13.784	34.946	54.8	26.191	0.459
160	13.667	34.938	52.8	26.209	0.478
170	13.521	34.929	52.9	26.233	0.496
180	13.384	34.922	50.0	26.255	0.514
190	13.219	34.914	48.4	26.283	0.532
200	13.119	34.910	50.1	26.300	0.550
250	12.192	34.836	32.4	26.425	0.636
300	11.273	34.770	32.8	26.547	0.717
350	10.424	34.725	28.0	26.664	0.792
400	9.426	34.680	20.2	26.798	0.862
450	8.604	34.644	22.3	26.902	0.925
500	7.949	34.614	30.3	26.979	0.985
550	7.413	34.592	35.0	27.039	1.042
600	7.016	34.582	42.8	27.087	1.096
650	6.693	34.572	42.9	27.124	1.149
700	6.441	34.572	40.2	27.158	1.200
750	6.055	34.565	36.7	27.202	1.249
800	5.720	34.561	39.2	27.241	1.296
900	5.117	34.558	46.6	27.311	1.386
1000	4.498	34.559	56.2	27.383	1.469
1500	3.015	34.602	84.2	27.566	1.815
2000	2.270	34.635	102.5	27.657	2.105
2500	1.699	34.663	117.8	27.725	2.359
3000	1.512	34.672	126.5	27.746	2.594
3500	1.236	34.685	144.0	27.776	2.820
3742	1.176	34.688	149.2	27.783	2.925

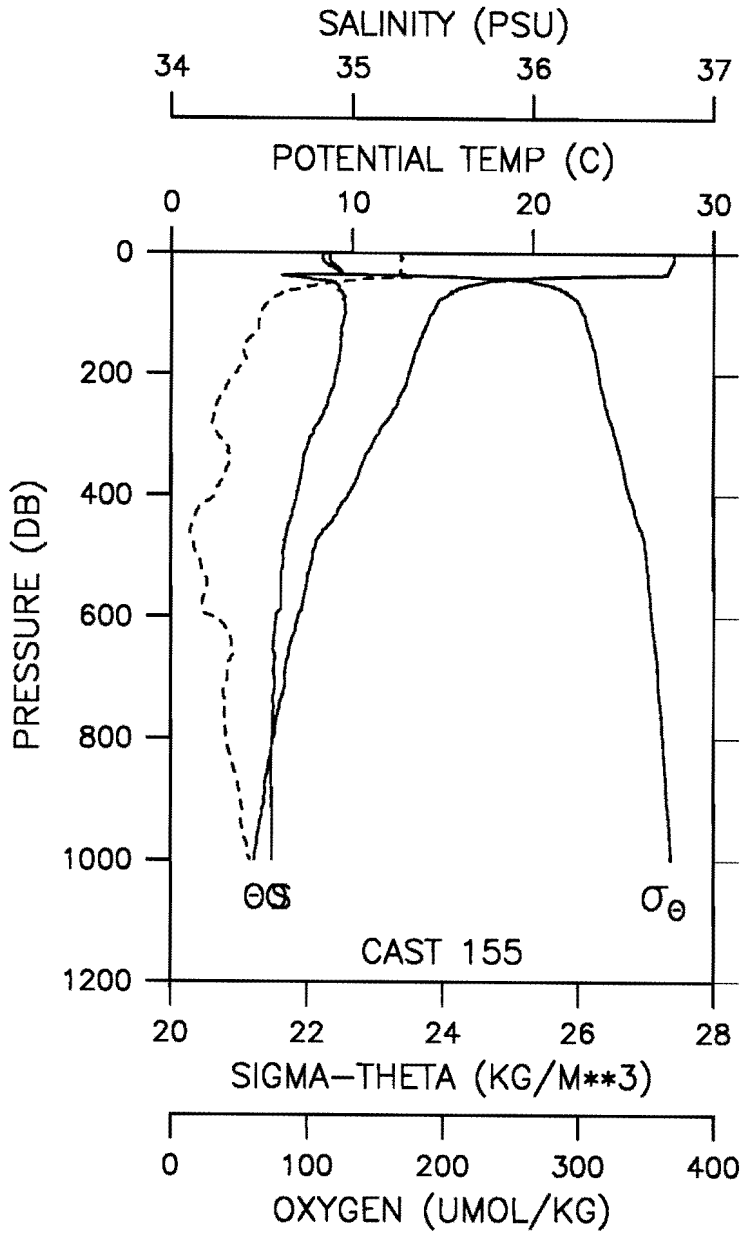

CAST CG3-94-DI -154 DATE 15 APR 94 TIME 2319 GMT
LAT 03 00.0N LONG 110 20.0W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
22
23
24
25
26
27
28
29
S
O



CAST CG3-94-DI -154 DATE 15 APR 94 TIME 2319 GMT
LAT 03 00.0N LONG 110 20.0W WEATHER 1 SEA STATE 2
BAROMETER 08 WIND DIR 130 T SPD 08 KT VISIBILITY 7
CLOUD 8 AMOUNT 5 DRY 29.0 WET 24.1 DEPTH 3770 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.971	34.642	163.5	22.137	0.000
10	27.603	34.638	168.8	22.254	0.057
20	27.520	34.638	169.0	22.280	0.112
30	27.517	34.689	168.7	22.320	0.168
40	27.111	34.813	168.8	22.544	0.222
50	18.651	34.795	157.3	24.954	0.265
60	16.649	34.920	110.8	25.537	0.292
70	15.923	34.943	92.0	25.722	0.315
80	15.410	34.951	83.1	25.844	0.338
90	14.911	34.941	77.6	25.947	0.359
100	14.534	34.952	72.2	26.037	0.380
110	14.313	34.952	68.4	26.084	0.399
120	14.099	34.944	67.7	26.124	0.419
130	13.913	34.941	61.3	26.160	0.438
140	13.776	34.941	59.3	26.189	0.456
150	13.669	34.936	57.5	26.208	0.475
160	13.536	34.932	56.2	26.232	0.493
170	13.425	34.924	53.1	26.249	0.511
180	13.203	34.912	49.7	26.284	0.529
190	13.073	34.900	46.6	26.302	0.547
200	12.994	34.896	42.6	26.314	0.565
250	12.127	34.833	32.5	26.436	0.650
300	11.077	34.759	33.8	26.574	0.730
350	10.287	34.719	33.2	26.683	0.804
400	9.301	34.679	18.1	26.819	0.873
450	8.185	34.636	13.6	26.961	0.935
500	7.689	34.614	23.0	27.017	0.992
550	7.217	34.599	27.2	27.073	1.047
600	6.872	34.589	26.8	27.113	1.100
650	6.593	34.573	34.6	27.138	1.151
700	6.301	34.564	36.2	27.170	1.202
750	5.962	34.564	38.3	27.213	1.250
800	5.542	34.556	40.2	27.259	1.297
900	5.060	34.558	47.3	27.318	1.385
1000	4.488	34.557	57.1	27.382	1.468
1500	3.004	34.601	83.1	27.566	1.816
2000	2.256	34.635	101.4	27.659	2.105
2500	1.710	34.663	117.7	27.724	2.358
3000	1.494	34.672	127.1	27.748	2.594
3500	1.230	34.685	142.5	27.777	2.819
3817	1.168	34.689	150.1	27.784	2.957


CAST CG3-94-DI -155 DATE 16 APR 94 TIME 0521 GMT
LAT 03 30.0N LONG 110 20.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
22
23
24
25
26
27
28
29
34
35
36
37
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

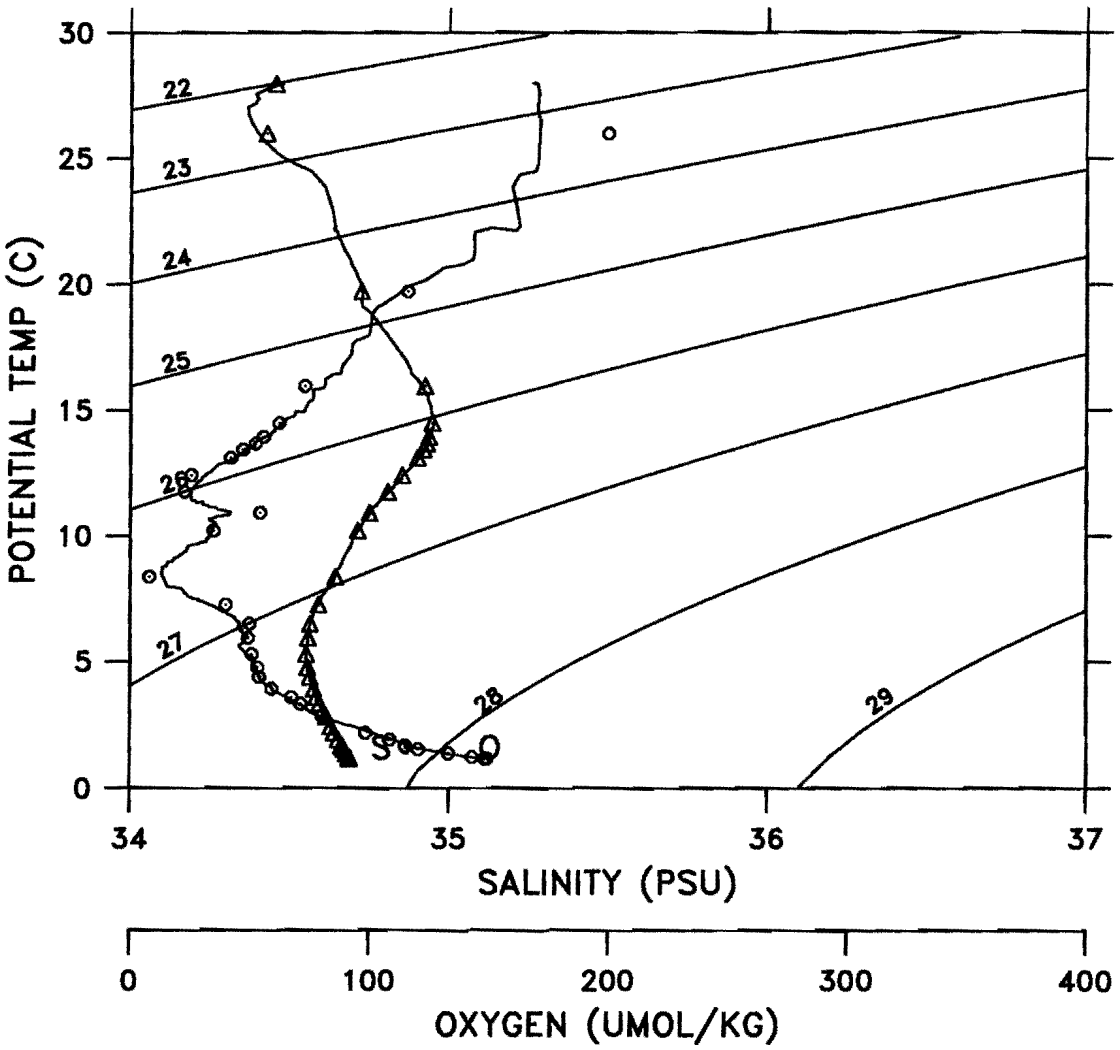


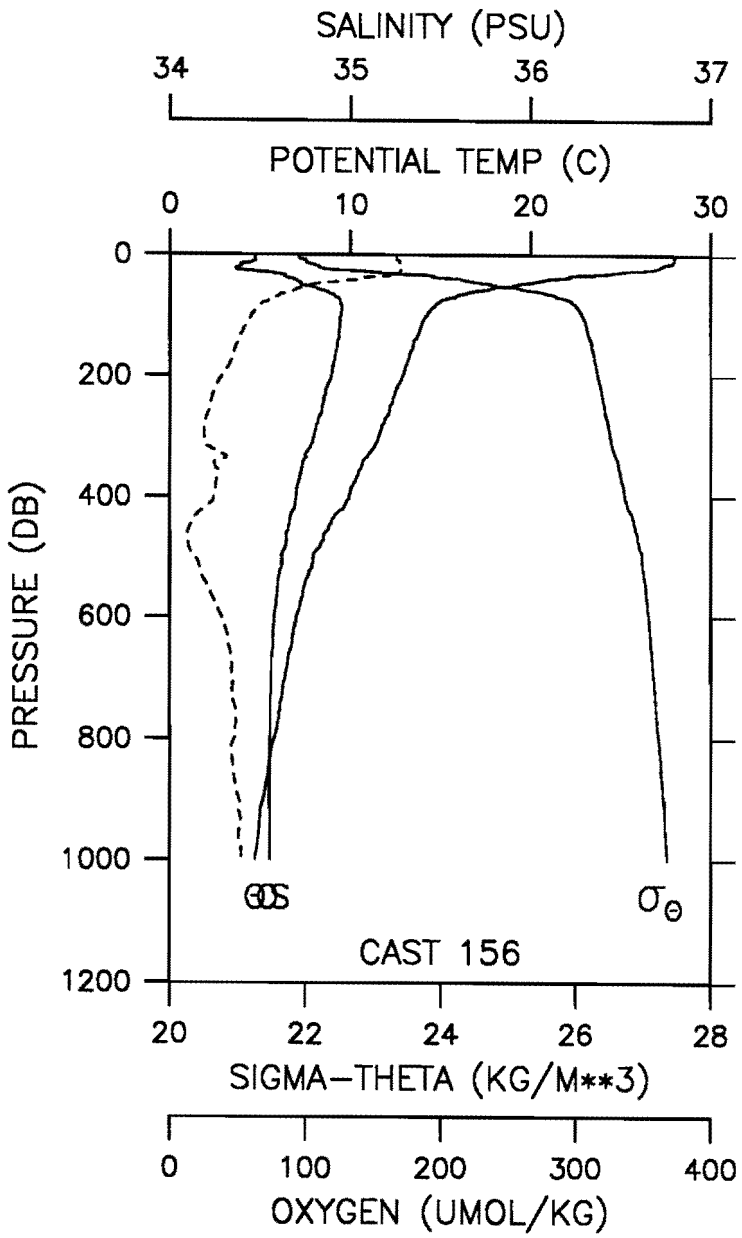
CAST CG3-94-DI -155 DATE 16 APR 94 TIME 0521 GMT
LAT 03 30.0N LONG 110 20.0W WEATHER 1 SEA STATE 1
BAROMETER 10 WIND DIR 110 T SPD 12 KT VISIBILITY 8
CLOUD 8 AMOUNT 1 DRY 27.0 WET 24.0 DEPTH 3918 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.816	34.837	168.8	22.334	0.000
10	27.814	34.836	169.4	22.334	0.055
20	27.670	34.866	169.1	22.404	0.110
30	27.513	34.924	168.5	22.498	0.164
40	20.385	34.699	175.0	24.432	0.212
50	17.004	34.905	115.3	25.441	0.241
60	15.735	34.925	93.9	25.751	0.264
70	15.225	34.949	79.7	25.884	0.286
80	14.752	34.955	72.2	25.992	0.307
90	14.579	34.958	68.2	26.032	0.327
100	14.398	34.960	65.4	26.072	0.347
110	14.221	34.952	64.6	26.104	0.366
120	14.065	34.942	64.2	26.129	0.386
130	13.919	34.939	63.1	26.158	0.405
140	13.758	34.936	58.3	26.189	0.423
150	13.659	34.935	54.8	26.209	0.442
160	13.505	34.931	53.6	26.237	0.460
170	13.392	34.926	53.8	26.257	0.478
180	13.322	34.921	54.0	26.268	0.496
190	13.197	34.914	49.9	26.287	0.514
200	13.098	34.905	46.9	26.301	0.532
250	12.456	34.861	33.7	26.393	0.618
300	11.398	34.778	33.9	26.530	0.700
350	10.503	34.725	42.4	26.651	0.776
400	9.763	34.690	31.9	26.751	0.847
450	8.634	34.645	15.1	26.898	0.912
500	7.781	34.615	19.8	27.004	0.970
550	7.457	34.606	26.3	27.044	1.026
600	6.983	34.578	30.2	27.089	1.081
650	6.535	34.563	44.3	27.138	1.133
700	6.252	34.567	41.7	27.179	1.183
750	5.967	34.564	39.9	27.213	1.231
800	5.622	34.557	40.6	27.250	1.278
900	5.125	34.552	51.1	27.305	1.367
1000	4.598	34.556	58.1	27.369	1.451
1500	3.038	34.605	77.7	27.566	1.804
2000	2.213	34.637	103.3	27.664	2.090
2500	1.708	34.663	117.1	27.724	2.343
3000	1.527	34.672	124.5	27.745	2.579
3500	1.215	34.686	144.2	27.779	2.805
3974	1.171	34.689	151.0	27.784	3.012

CAST CG3-94-DI -156 DATE 16 APR 94 TIME 1212 GMT

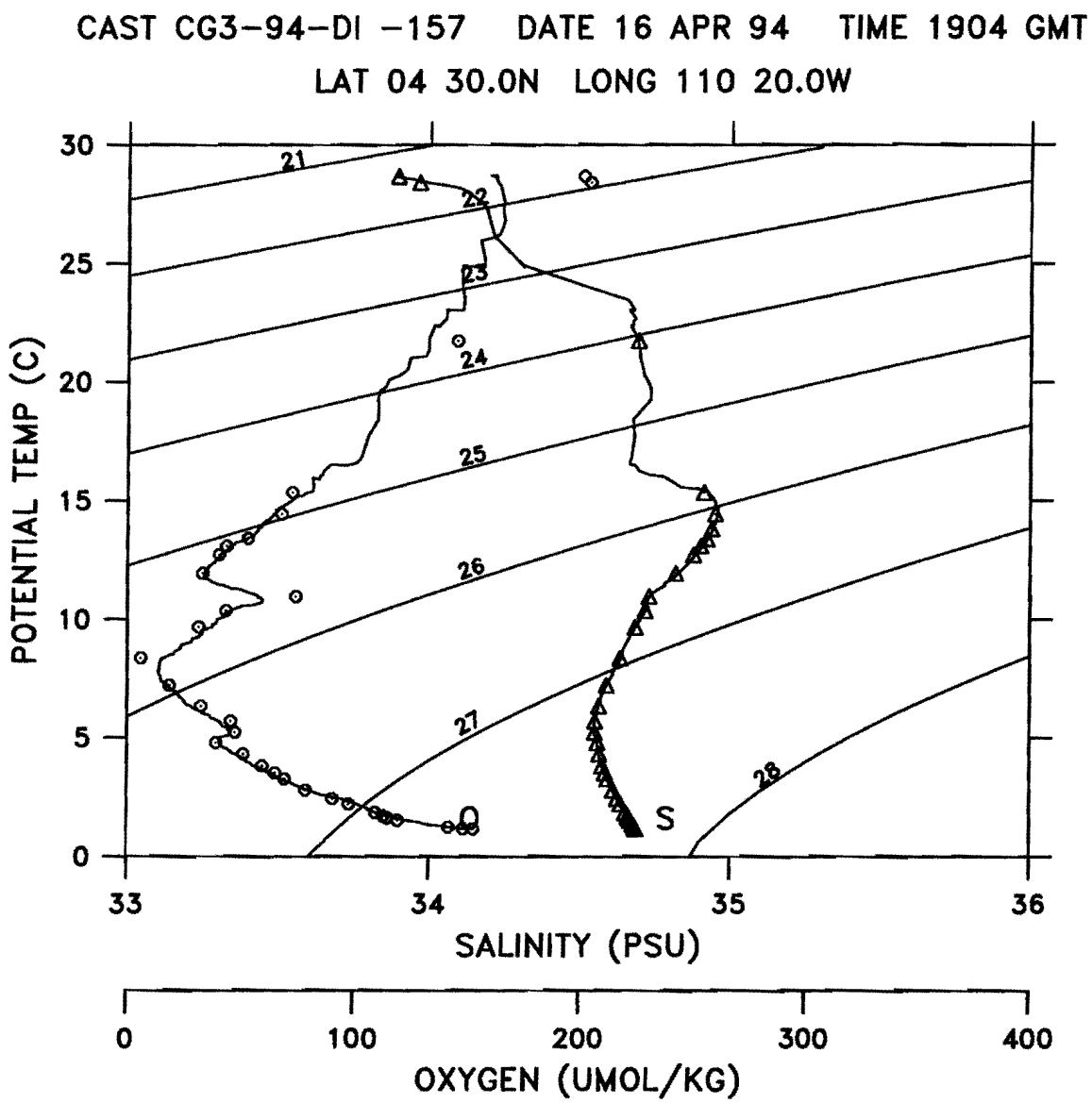
LAT 04 00.1N LONG 110 20.1W

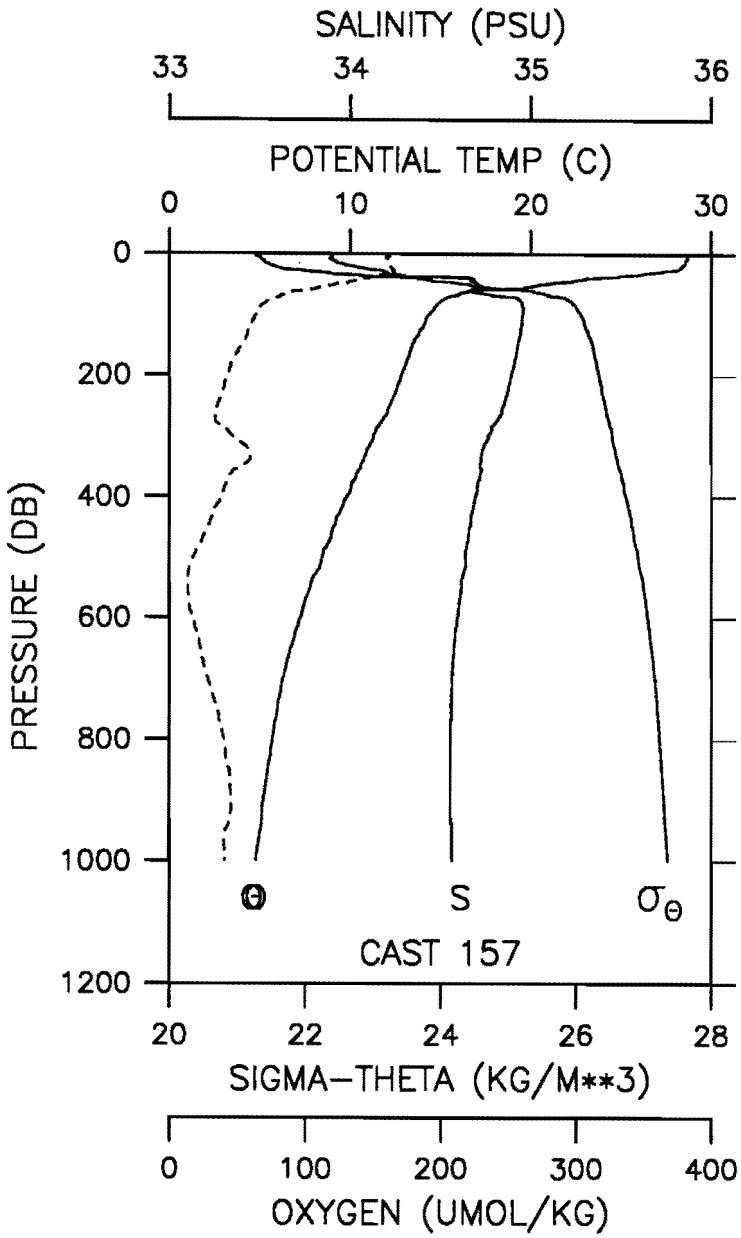




CAST CG3-94-DI -156 DATE 16 APR 94 TIME 1212 GMT
LAT 04 00.1N LONG 110 20.1W WEATHER 1 SEA STATE 2
BAROMETER 09 WIND DIR 145 T SPD 06 KT VISIBILITY 7
CLOUD 6 AMOUNT 2 DRY 26.9 WET 24.4 DEPTH 3841 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.981	34.470	167.6	21.910	0.000
10	27.966	34.471	169.5	22.010	0.059
20	27.188	34.388	169.7	22.199	0.116
30	24.489	34.564	169.1	23.167	0.169
40	20.983	34.687	143.0	24.261	0.210
50	19.121	34.724	103.4	24.781	0.244
60	16.923	34.866	89.8	25.430	0.273
70	15.815	34.917	76.0	25.727	0.297
80	14.854	34.944	68.7	25.962	0.318
90	14.491	34.951	64.0	26.046	0.338
100	14.256	34.948	60.2	26.093	0.358
110	14.015	34.943	57.7	26.140	0.377
120	13.901	34.941	55.0	26.163	0.396
130	13.775	34.936	52.8	26.185	0.415
140	13.573	34.930	51.7	26.223	0.433
150	13.487	34.927	49.1	26.238	0.451
160	13.349	34.920	47.4	26.261	0.469
170	13.260	34.915	45.6	26.275	0.487
180	13.145	34.908	44.1	26.293	0.505
190	13.014	34.900	41.9	26.313	0.523
200	12.901	34.894	39.4	26.331	0.540
250	12.198	34.844	29.1	26.430	0.625
300	11.584	34.798	25.4	26.512	0.706
350	10.603	34.732	33.4	26.639	0.783
400	9.912	34.699	32.5	26.732	0.854
450	8.798	34.657	14.5	26.882	0.920
500	7.963	34.621	18.0	26.982	0.981
550	7.445	34.597	28.6	27.039	1.038
600	6.999	34.577	38.0	27.086	1.092
650	6.720	34.569	43.9	27.118	1.145
700	6.388	34.560	45.7	27.155	1.196
750	6.108	34.556	48.5	27.188	1.245
800	5.766	34.555	47.3	27.231	1.294
900	5.151	34.550	51.0	27.301	1.384
1000	4.716	34.556	52.2	27.356	1.469
1500	3.029	34.605	75.2	27.567	1.825
2000	2.184	34.639	101.7	27.668	2.109
2500	1.706	34.663	117.2	27.725	2.359
3000	1.547	34.671	123.2	27.743	2.595
3500	1.228	34.686	142.0	27.777	2.822
3904	1.169	34.689	150.3	27.784	2.999


CAST CG3-94-DI -157 DATE 16 APR 94 TIME 1904 GMT
LAT 04 30.0N LONG 110 20.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
28
O
S
33
34
35
36
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

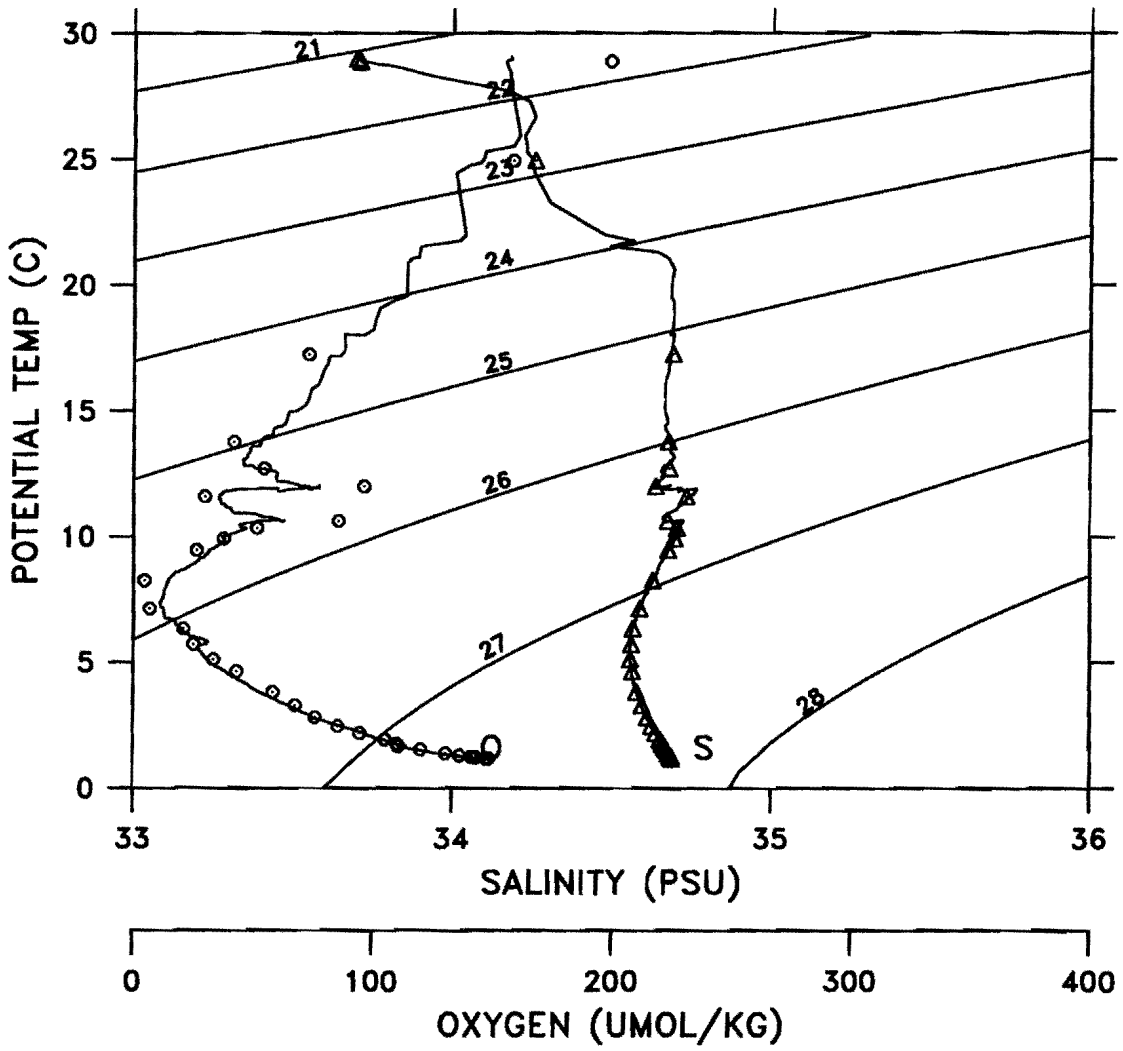


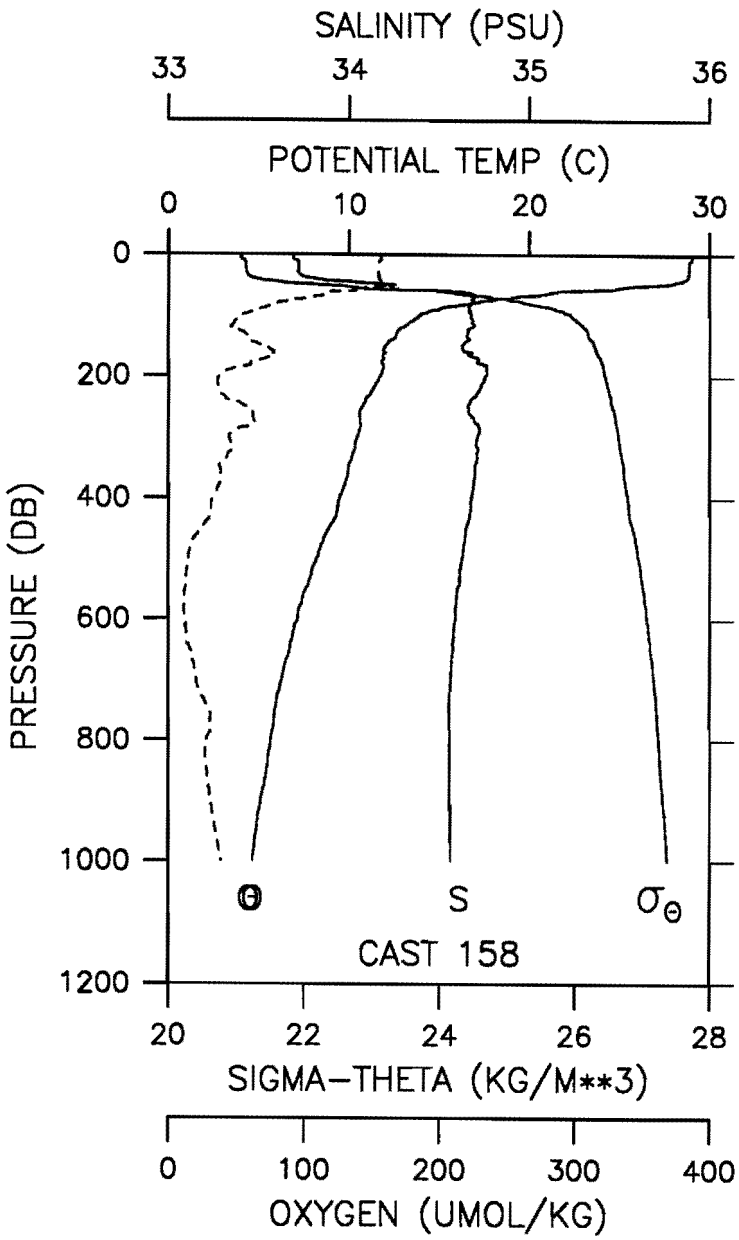
CAST CG3-94-DI -157 DATE 16 APR 94 TIME 1904 GMT
LAT 04 30.0N LONG 110 20.0W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 135 T SPD 07 KT VISIBILITY 9
CLOUD 6 AMOUNT 6 DRY 29.0 WET 25.8 DEPTH 3984 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	28.678	33.900	162.1	21.267	0.000
10	28.642	33.892	162.4	21.353	0.065
20	28.378	34.005	163.1	21.525	0.128
30	26.824	34.194	165.9	22.169	0.189
40	23.030	34.679	147.7	23.683	0.240
50	20.548	34.708	123.2	24.395	0.279
60	16.845	34.671	103.1	25.299	0.312
70	15.558	34.837	82.0	25.724	0.337
80	14.935	34.950	71.2	25.948	0.359
90	14.642	34.958	66.2	26.019	0.379
100	14.358	34.955	64.0	26.077	0.399
110	14.180	34.952	61.6	26.113	0.418
120	14.037	34.950	59.7	26.141	0.437
130	13.811	34.944	57.5	26.184	0.456
140	13.610	34.935	56.1	26.219	0.474
150	13.434	34.927	54.0	26.249	0.493
160	13.321	34.922	50.8	26.268	0.511
170	13.222	34.916	47.3	26.284	0.528
180	13.098	34.909	45.2	26.304	0.546
190	12.982	34.902	44.3	26.321	0.564
200	12.835	34.891	42.1	26.342	0.581
250	12.172	34.847	35.4	26.438	0.666
300	11.282	34.764	46.4	26.541	0.746
350	10.572	34.718	53.2	26.633	0.822
400	9.804	34.692	38.4	26.745	0.893
450	9.061	34.660	28.5	26.842	0.960
500	8.441	34.636	17.2	26.922	1.023
550	7.780	34.615	13.7	27.004	1.082
600	7.233	34.592	17.4	27.065	1.138
650	6.706	34.573	23.0	27.123	1.191
700	6.292	34.564	28.3	27.170	1.242
750	5.967	34.558	35.4	27.208	1.290
800	5.700	34.553	40.1	27.237	1.338
900	5.173	34.552	45.4	27.300	1.428
1000	4.777	34.561	40.5	27.353	1.514
1500	3.021	34.605	73.9	27.568	1.868
2000	2.208	34.638	101.4	27.665	2.154
2500	1.693	34.664	116.0	27.726	2.401
3000	1.517	34.673	123.9	27.746	2.637
3500	1.240	34.686	142.4	27.776	2.862
3990	1.166	34.689	151.3	27.784	3.077

CAST CG3-94-DI -158 DATE 17 APR 94 TIME 0145 GMT

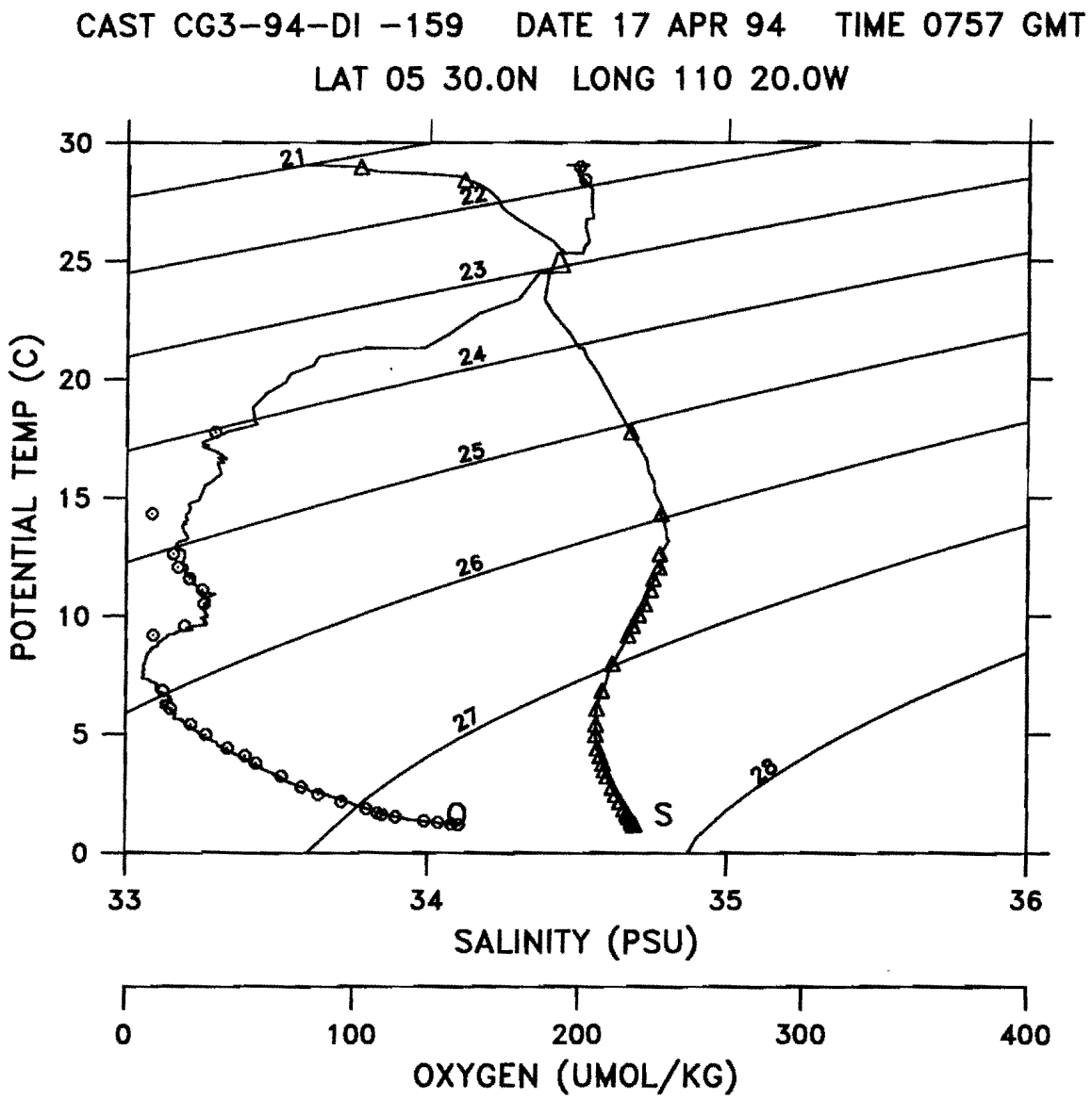
LAT 04 59.7N LONG 110 20.0W

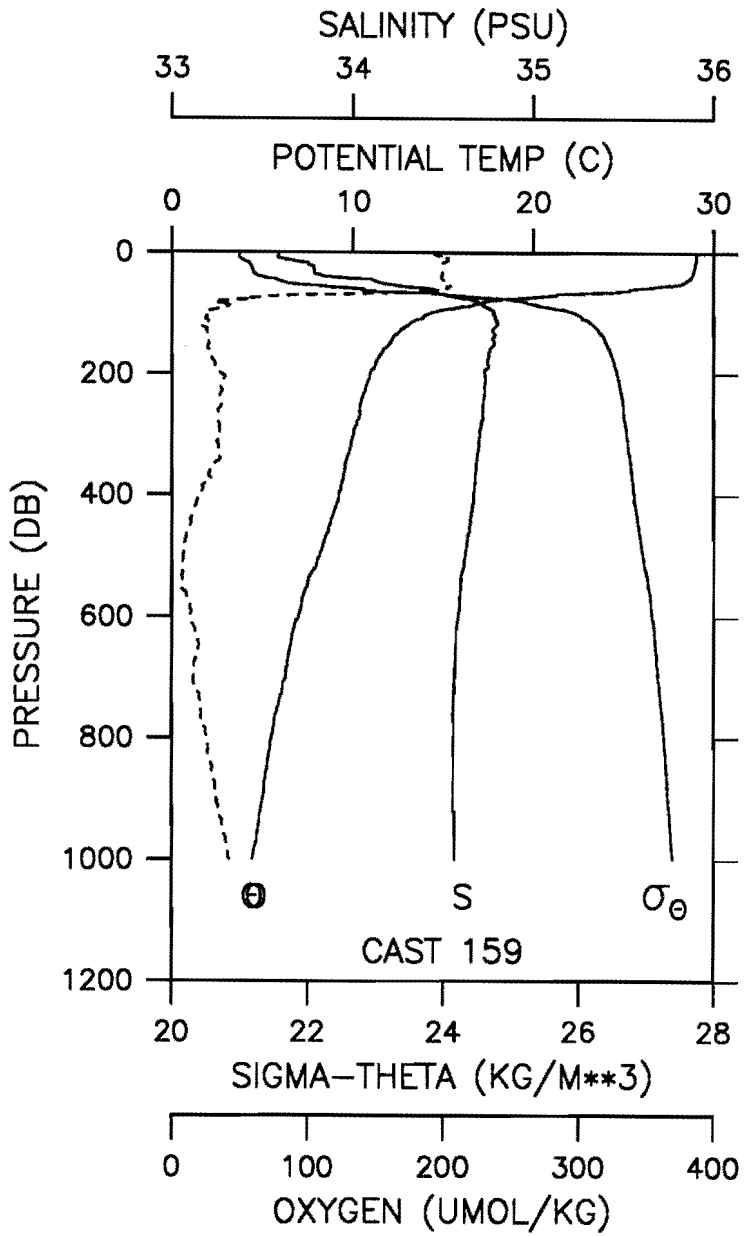




CAST CG3-94-DI -158 DATE 17 APR 94 TIME 0145 GMT
LAT 04 59.7N LONG 110 20.0W WEATHER 2 SEA STATE 3
BAROMETER 08 WIND DIR 140 T SPD 10 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 27.5 WET 25.9 DEPTH 4196 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	29.046	33.692	157.0	21.069	0.000
10	28.921	33.714	156.2	21.127	0.067
20	28.895	33.720	155.4	21.140	0.133
30	28.866	33.718	155.1	21.149	0.200
40	28.692	33.809	155.6	21.275	0.266
50	26.673	34.255	159.5	22.263	0.328
60	21.745	34.565	136.1	23.960	0.377
70	19.063	34.692	102.7	24.771	0.413
80	16.858	34.679	81.1	25.302	0.443
90	14.973	34.665	67.7	25.721	0.467
100	13.909	34.677	54.3	25.957	0.489
110	13.523	34.684	49.1	26.042	0.509
120	12.947	34.680	46.0	26.156	0.528
130	12.632	34.658	56.0	26.201	0.547
140	12.394	34.666	59.7	26.254	0.565
150	12.017	34.627	69.5	26.297	0.583
160	11.923	34.644	77.7	26.328	0.600
170	11.913	34.711	73.0	26.381	0.617
180	11.863	34.743	60.4	26.416	0.634
190	11.870	34.764	44.5	26.431	0.651
200	11.712	34.756	37.1	26.455	0.667
250	10.748	34.658	57.9	26.555	0.745
300	10.441	34.710	44.5	26.650	0.820
350	9.944	34.699	37.8	26.726	0.891
400	9.482	34.679	32.6	26.789	0.959
450	8.884	34.650	24.4	26.863	1.025
500	8.197	34.626	14.6	26.951	1.086
550	7.598	34.602	12.5	27.020	1.144
600	7.159	34.589	12.3	27.073	1.199
650	6.713	34.575	16.2	27.123	1.251
700	6.280	34.562	20.2	27.171	1.302
750	5.889	34.554	29.4	27.214	1.350
800	5.660	34.559	27.9	27.247	1.397
900	5.104	34.556	30.9	27.312	1.487
1000	4.626	34.562	38.7	27.370	1.571
1500	3.051	34.602	69.9	27.563	1.924
2000	2.176	34.639	96.5	27.669	2.210
2500	1.703	34.663	113.2	27.725	2.457
3000	1.518	34.673	119.5	27.746	2.693
3500	1.260	34.685	137.8	27.774	2.918
4000	1.177	34.688	147.7	27.783	3.140
4267	1.173	34.689	149.7	27.783	3.262


CAST CG3-94-DI -159 DATE 17 APR 94 TIME 0757 GMT
LAT 05 30.0N LONG 110 20.0W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
21
22
23
24
25
26
27
28
O
S
30
25
20
15
10
5
0
33
34
35
36
0
100
200
300
400

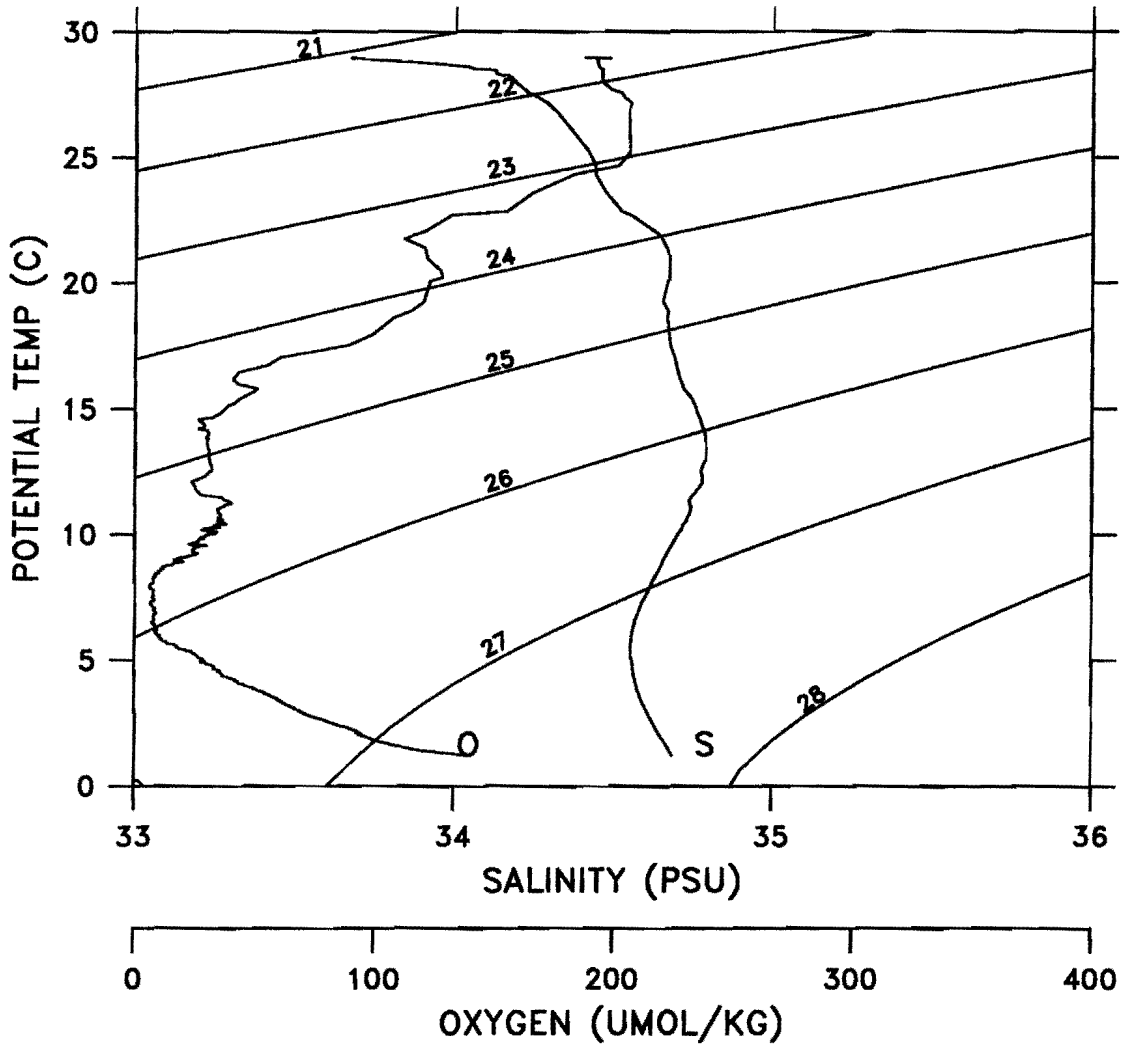


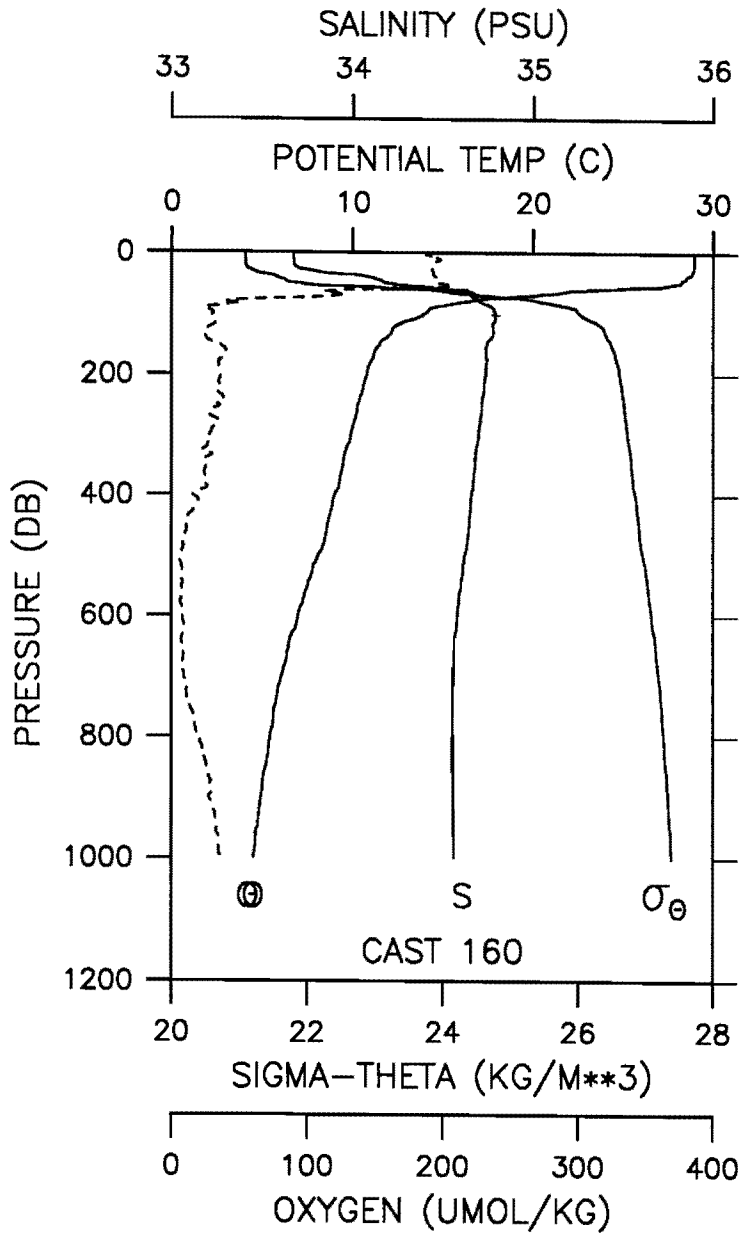
CAST CG3-94-DI -159 DATE 17 APR 94 TIME 0757 GMT
LAT 05 30.0N LONG 110 20.0W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 070 T SPD 09 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 28.7 WET 25.2 DEPTH 3935 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	29.043	33.589	195.0	20.993	0.000
10	29.041	33.607	203.6	21.007	0.068
20	28.965	33.755	199.7	21.143	0.135
30	28.902	33.785	199.4	21.187	0.201
40	28.743	33.875	198.8	21.307	0.267
50	28.238	34.159	203.4	21.686	0.330
60	25.322	34.449	200.8	22.829	0.386
70	20.938	34.521	84.2	24.148	0.431
80	17.332	34.693	33.1	25.200	0.463
90	15.909	34.742	40.0	25.571	0.490
100	14.267	34.775	26.2	25.958	0.512
110	13.553	34.795	25.4	26.122	0.532
120	13.031	34.795	21.9	26.229	0.550
130	12.586	34.779	25.7	26.304	0.568
140	12.212	34.776	24.9	26.375	0.585
150	12.047	34.780	26.9	26.410	0.602
160	11.698	34.759	27.0	26.459	0.618
170	11.461	34.751	29.7	26.498	0.634
180	11.280	34.745	31.1	26.526	0.649
190	11.183	34.748	31.4	26.547	0.665
200	10.962	34.729	36.2	26.572	0.680
250	10.436	34.720	35.8	26.659	0.753
300	10.031	34.702	35.3	26.715	0.824
350	9.580	34.683	30.4	26.776	0.892
400	9.222	34.670	18.9	26.824	0.958
450	8.720	34.649	13.3	26.888	1.022
500	8.159	34.623	8.3	26.954	1.083
550	7.488	34.599	7.6	27.034	1.140
600	7.003	34.585	13.1	27.092	1.194
650	6.549	34.570	19.3	27.142	1.245
700	6.270	34.564	15.8	27.174	1.295
750	5.845	34.557	21.6	27.222	1.344
800	5.490	34.557	25.9	27.266	1.390
900	5.022	34.556	32.7	27.321	1.477
1000	4.432	34.564	42.5	27.393	1.559
1500	2.995	34.605	71.0	27.570	1.907
2000	2.149	34.641	97.7	27.672	2.190
2500	1.685	34.665	112.1	27.727	2.436
3000	1.527	34.673	119.1	27.746	2.672
3500	1.284	34.684	137.5	27.772	2.898
3969	1.192	34.688	146.4	27.782	3.107

CAST CG3-94-DI -160 DATE 17 APR 94 TIME 1457 GMT

LAT 6 0.0N LONG 110 20.0W



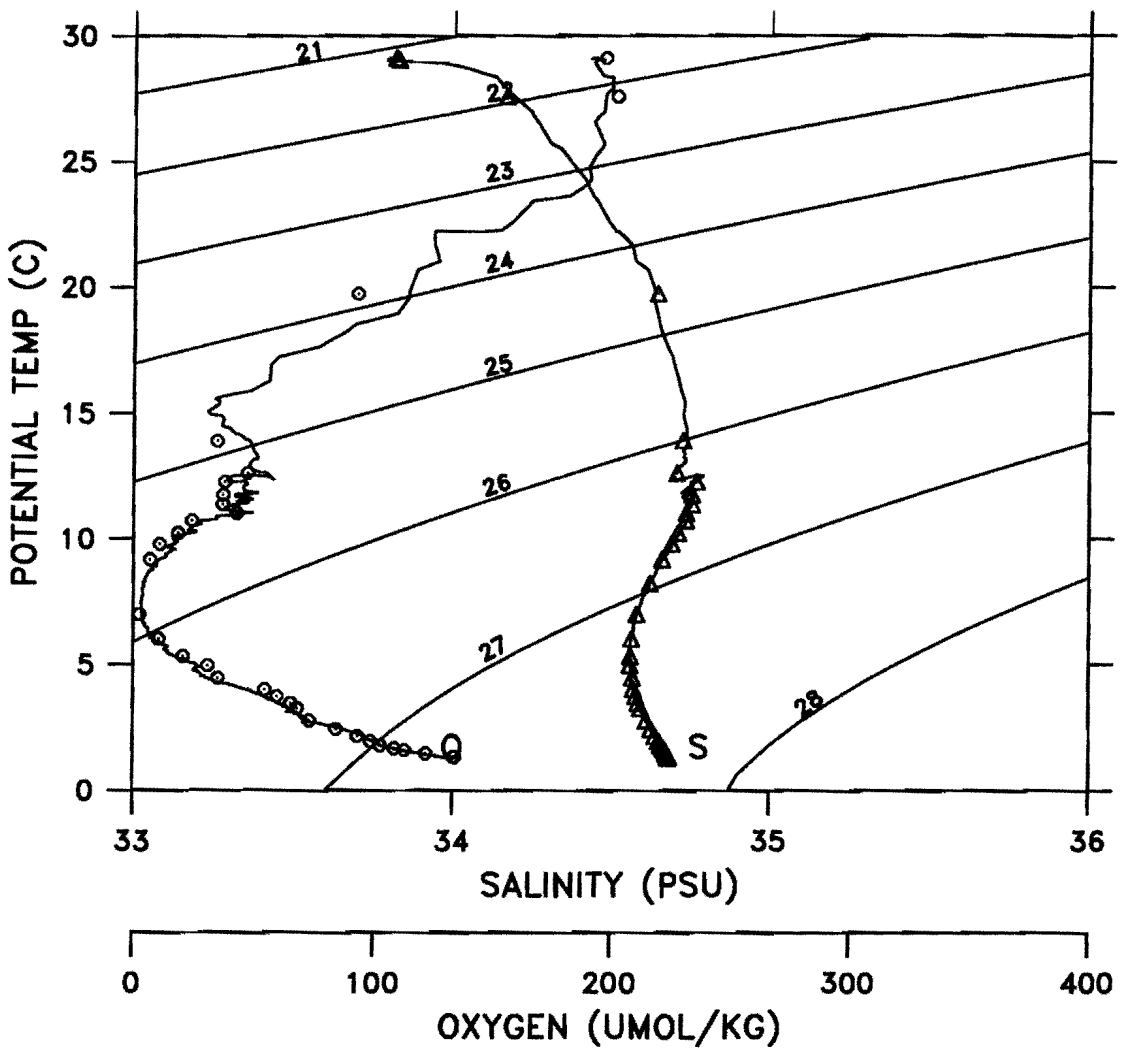


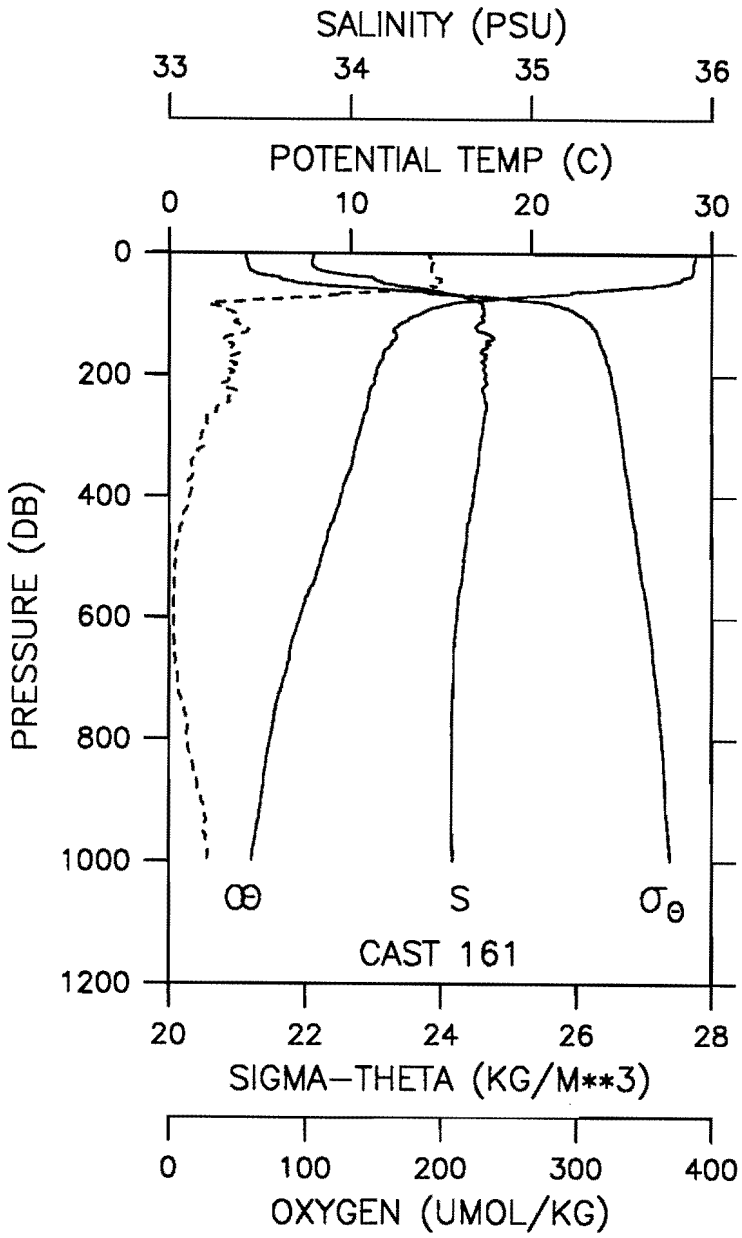
CAST CG3-94-DI -160 DATE 17 APR 94 TIME 1457 GMT
LAT 6 0.0N LONG 110 20.0W WEATHER 1 SEA STATE 4
BAROMETER 10 WIND DIR 65 T SPD 13 KT VISIBILITY 8
CLOUD 8 AMOUNT 5 DRY 29.4 WET 25.0 DEPTH 3780 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	28.957	33.672	189.6	21.084	0.000
10	28.954	33.671	197.1	21.084	0.067
20	28.950	33.676	192.2	21.089	0.134
30	28.865	33.770	192.3	21.188	0.201
40	28.516	34.080	194.3	21.536	0.265
50	27.982	34.186	194.6	21.791	0.327
60	22.856	34.522	154.7	23.614	0.380
70	20.068	34.667	122.7	24.491	0.418
80	16.450	34.701	42.8	25.415	0.447
90	14.580	34.772	26.5	25.888	0.471
100	14.010	34.788	30.8	26.021	0.491
110	13.285	34.791	30.8	26.174	0.511
120	12.392	34.778	30.2	26.342	0.528
130	12.134	34.780	24.5	26.393	0.545
140	11.842	34.767	25.2	26.439	0.562
150	11.487	34.744	33.3	26.487	0.577
160	11.269	34.740	39.9	26.525	0.593
170	11.139	34.740	37.3	26.549	0.608
180	10.994	34.741	34.2	26.576	0.623
190	10.853	34.739	34.8	26.599	0.638
200	10.802	34.739	35.3	26.608	0.653
250	10.277	34.716	34.6	26.683	0.725
300	9.902	34.697	28.0	26.733	0.794
350	9.485	34.679	25.1	26.788	0.862
400	9.005	34.657	16.7	26.849	0.927
450	8.625	34.645	10.9	26.900	0.990
500	8.103	34.620	7.8	26.960	1.050
550	7.533	34.601	7.6	27.030	1.108
600	6.993	34.581	8.1	27.090	1.162
650	6.451	34.566	7.5	27.151	1.214
700	6.059	34.559	8.9	27.197	1.263
750	5.683	34.555	13.5	27.241	1.310
800	5.439	34.554	20.9	27.270	1.356
900	4.938	34.560	27.5	27.333	1.443
1000	4.495	34.563	35.9	27.386	1.525
1500	3.025	34.604	67.7	27.566	1.875
2000	2.157	34.640	92.9	27.671	2.159
2500	1.705	34.664	104.7	27.725	2.406
3000	1.523	34.673	113.7	27.746	2.642
3500	1.270	34.684	134.1	27.773	2.867
3848	1.221	34.687	139.4	27.778	3.022

CAST CG3-94-DI -161 DATE 17 APR 94 TIME 2109 GMT

LAT 06 30.0N LONG 110 20.0W



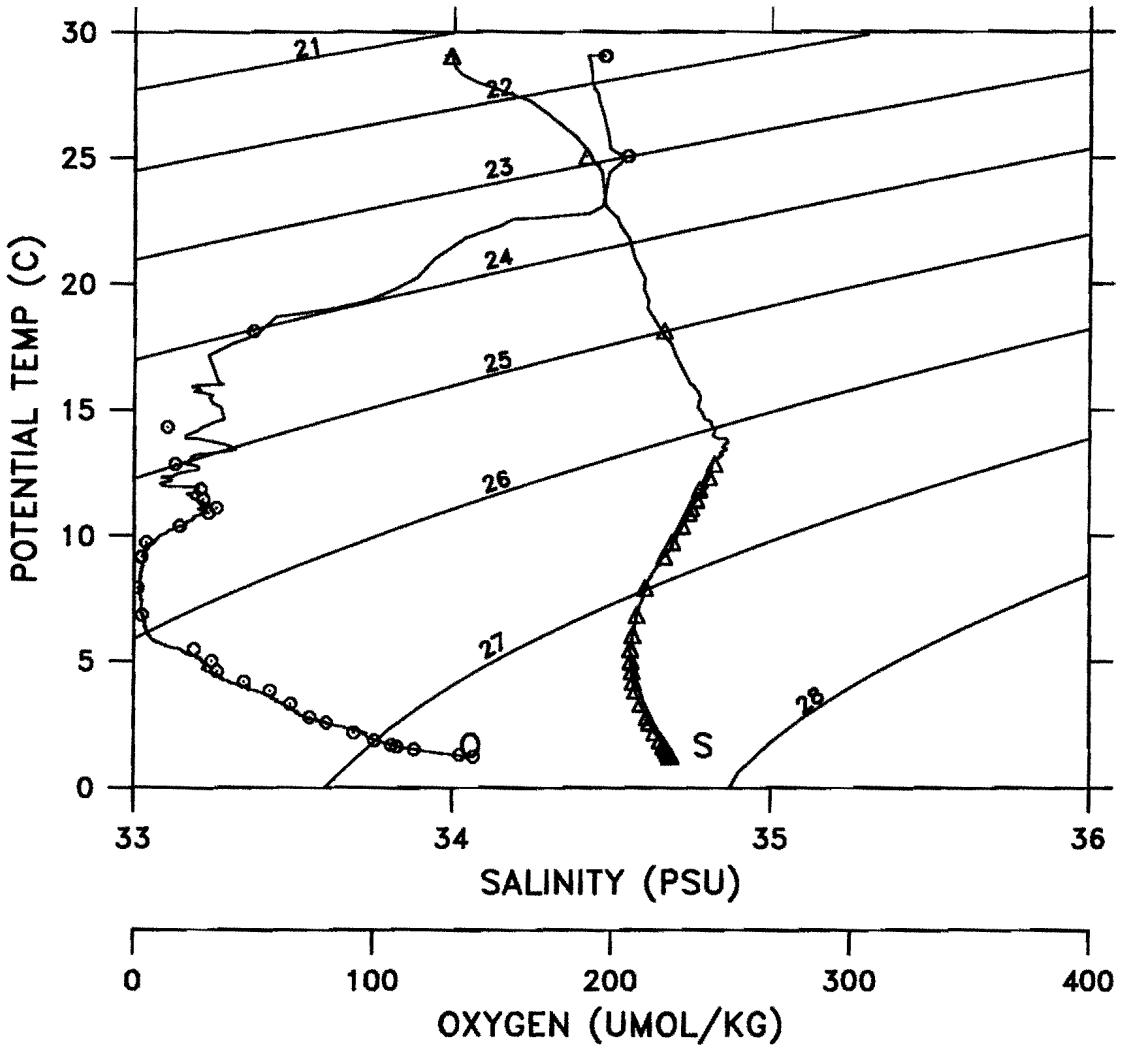


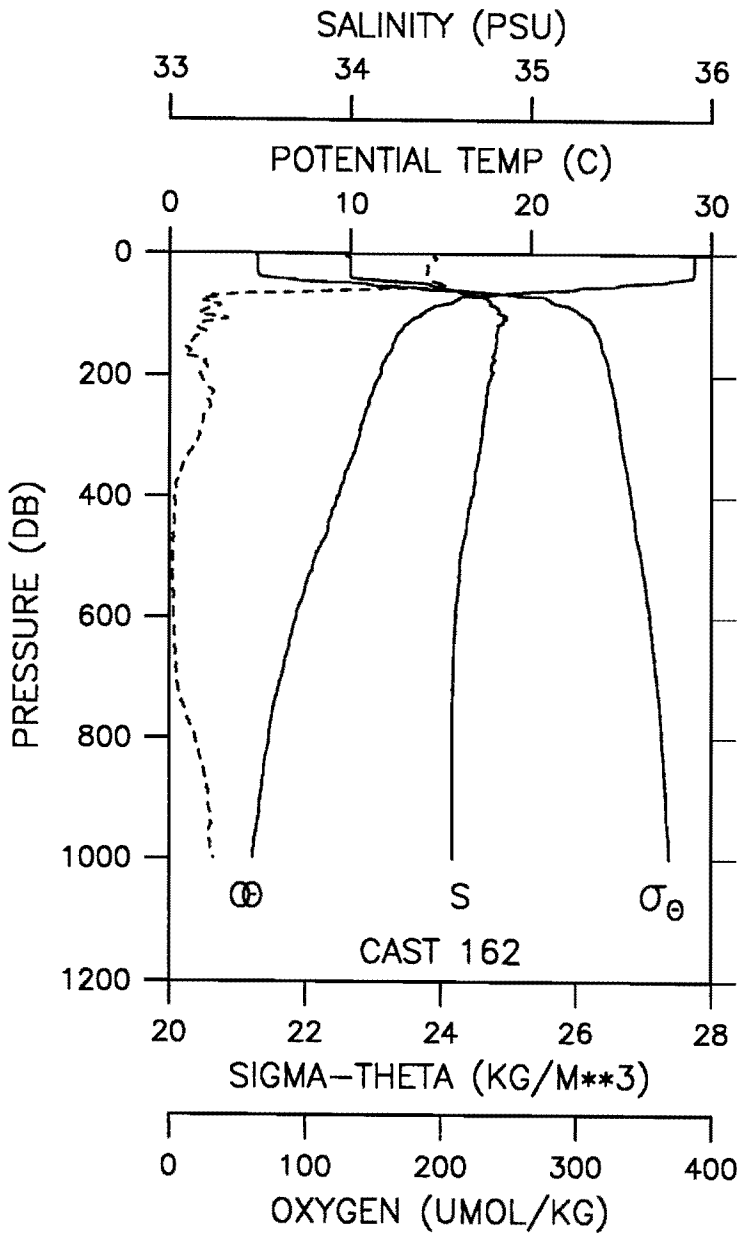
CAST CG3–94–DI –161 DATE 17 APR 94 TIME 2109 GMT
LAT 06 30.0N LONG 110 20.0W WEATHER 2 SEA STATE 4
BAROMETER 09 WIND DIR 060 T SPD 17 KT VISIBILITY 8
CLOUD 6 AMOUNT 6 DRY 30.7 WET 25.8 DEPTH 3254 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG–TH	DELTA–D (DYN–M)
0	29.098	33.795	193.6	21.130	0.000
10	29.074	33.789	195.0	21.133	0.066
20	29.014	33.790	193.1	21.153	0.133
30	28.976	33.862	192.7	21.220	0.199
40	28.374	34.125	197.2	21.617	0.263
50	27.411	34.204	196.8	21.989	0.324
60	23.616	34.439	181.8	23.331	0.376
70	19.852	34.636	114.4	24.524	0.417
80	15.886	34.718	48.6	25.558	0.446
90	14.444	34.735	37.7	25.889	0.469
100	13.775	34.741	48.7	26.034	0.489
110	13.170	34.736	50.0	26.155	0.509
120	12.610	34.696	55.4	26.236	0.527
130	12.476	34.750	56.3	26.303	0.545
140	12.485	34.790	40.9	26.332	0.562
150	12.239	34.763	47.0	26.359	0.579
160	11.868	34.725	48.6	26.401	0.596
170	11.783	34.746	44.4	26.433	0.612
180	11.625	34.740	47.7	26.458	0.628
190	11.457	34.733	43.5	26.485	0.644
200	11.363	34.747	42.6	26.512	0.660
250	10.906	34.750	36.4	26.598	0.736
300	10.427	34.725	24.0	26.664	0.810
350	10.036	34.705	16.6	26.716	0.880
400	9.468	34.679	14.9	26.791	0.948
450	8.879	34.645	8.3	26.860	1.014
500	8.388	34.629	4.8	26.924	1.076
550	7.794	34.607	4.0	26.996	1.136
600	7.209	34.589	3.4	27.066	1.191
650	6.700	34.575	3.9	27.125	1.244
700	6.308	34.569	6.2	27.173	1.295
750	5.856	34.561	11.4	27.224	1.343
800	5.546	34.561	13.7	27.263	1.390
900	5.079	34.559	23.8	27.317	1.478
1000	4.532	34.565	29.3	27.383	1.560
1500	3.002	34.602	69.2	27.568	1.911
2000	2.156	34.640	96.5	27.671	2.196
2500	1.707	34.664	106.9	27.725	2.445
3000	1.479	34.675	120.3	27.751	2.680
3266	1.294	34.683	133.0	27.771	2.800

CAST CG3-94-DI -162 DATE 18 APR 94 TIME 0313 GMT

LAT 07 00.0N LONG 110 20.4W



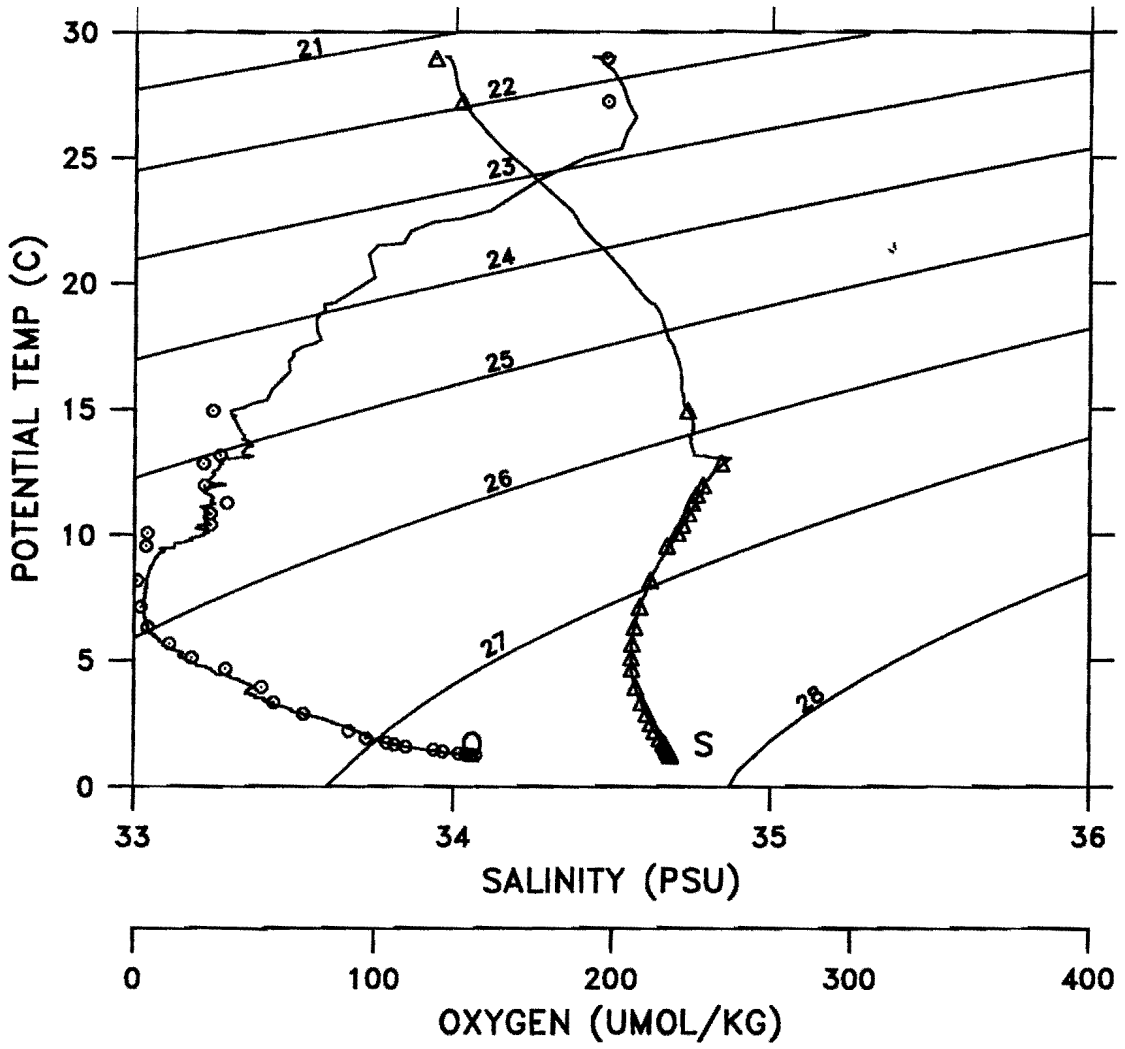


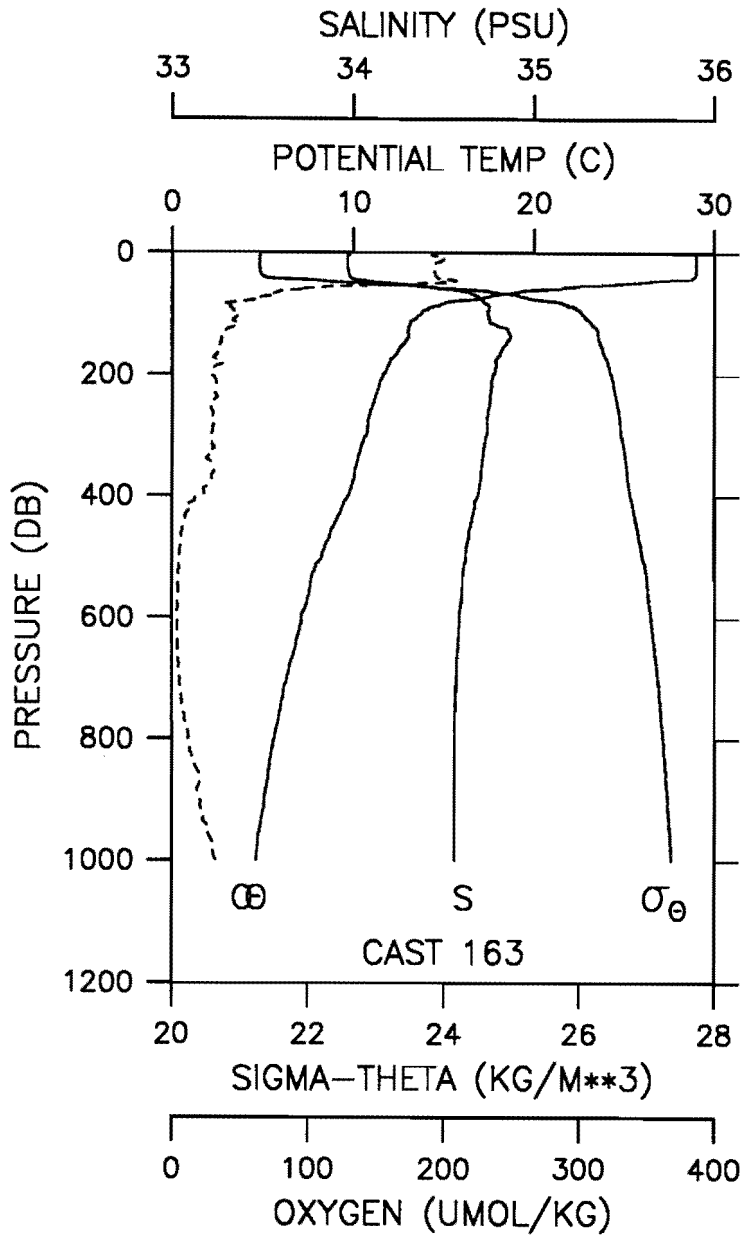
CAST CG3-94-DI -162 DATE 18 APR 94 TIME 0313 GMT
LAT 07 00.0N LONG 110 20.4W WEATHER 1 SEA STATE 2
BAROMETER 10 WIND DIR 090 T SPD 18 KT VISIBILITY 8
CLOUD 8 AMOUNT 4 DRY 29.1 WET 25.0 DEPTH 3840 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	29.061	33.974	194.6	21.276	0.000
10	29.063	33.999	195.8	21.294	0.065
20	29.064	33.999	190.0	21.294	0.130
30	29.046	33.998	189.9	21.299	0.195
40	28.553	34.007	191.0	21.469	0.260
50	25.067	34.435	204.1	22.896	0.317
60	21.827	34.551	138.4	23.926	0.362
70	17.148	34.698	31.2	25.248	0.395
80	15.666	34.772	28.6	25.649	0.419
90	14.433	34.812	31.7	25.950	0.441
100	13.854	34.836	21.4	26.092	0.461
110	13.325	34.844	37.3	26.207	0.480
120	12.921	34.818	23.6	26.268	0.498
130	12.660	34.810	27.0	26.314	0.516
140	12.461	34.811	18.1	26.354	0.533
150	12.335	34.804	12.4	26.373	0.550
160	12.195	34.799	15.7	26.396	0.567
170	11.937	34.788	17.1	26.437	0.583
180	11.770	34.782	25.3	26.464	0.599
190	11.673	34.778	27.5	26.479	0.615
200	11.611	34.779	22.9	26.491	0.631
250	10.952	34.747	30.3	26.588	0.708
300	10.479	34.726	22.2	26.655	0.781
350	9.868	34.698	9.9	26.739	0.852
400	9.272	34.670	4.4	26.816	0.919
450	8.762	34.642	3.1	26.876	0.983
500	8.055	34.609	2.3	26.959	1.044
550	7.494	34.597	2.7	27.032	1.102
600	6.992	34.581	3.1	27.090	1.156
650	6.584	34.574	3.8	27.140	1.208
700	6.151	34.567	5.7	27.191	1.258
750	5.713	34.560	11.3	27.241	1.305
800	5.485	34.559	18.9	27.268	1.350
900	4.991	34.560	28.9	27.327	1.438
1000	4.581	34.564	32.2	27.377	1.520
1500	3.106	34.600	66.8	27.556	1.878
2000	2.188	34.637	95.8	27.666	2.166
2500	1.686	34.665	108.6	27.727	2.413
3000	1.525	34.673	117.3	27.746	2.649
3500	1.306	34.682	134.5	27.769	2.877
3879	1.235	34.686	141.0	27.777	3.047

CAST CG3-94-DI -163 DATE 18 APR 94 TIME 0923 GMT

LAT 07 30.0N LONG 110 20.1W



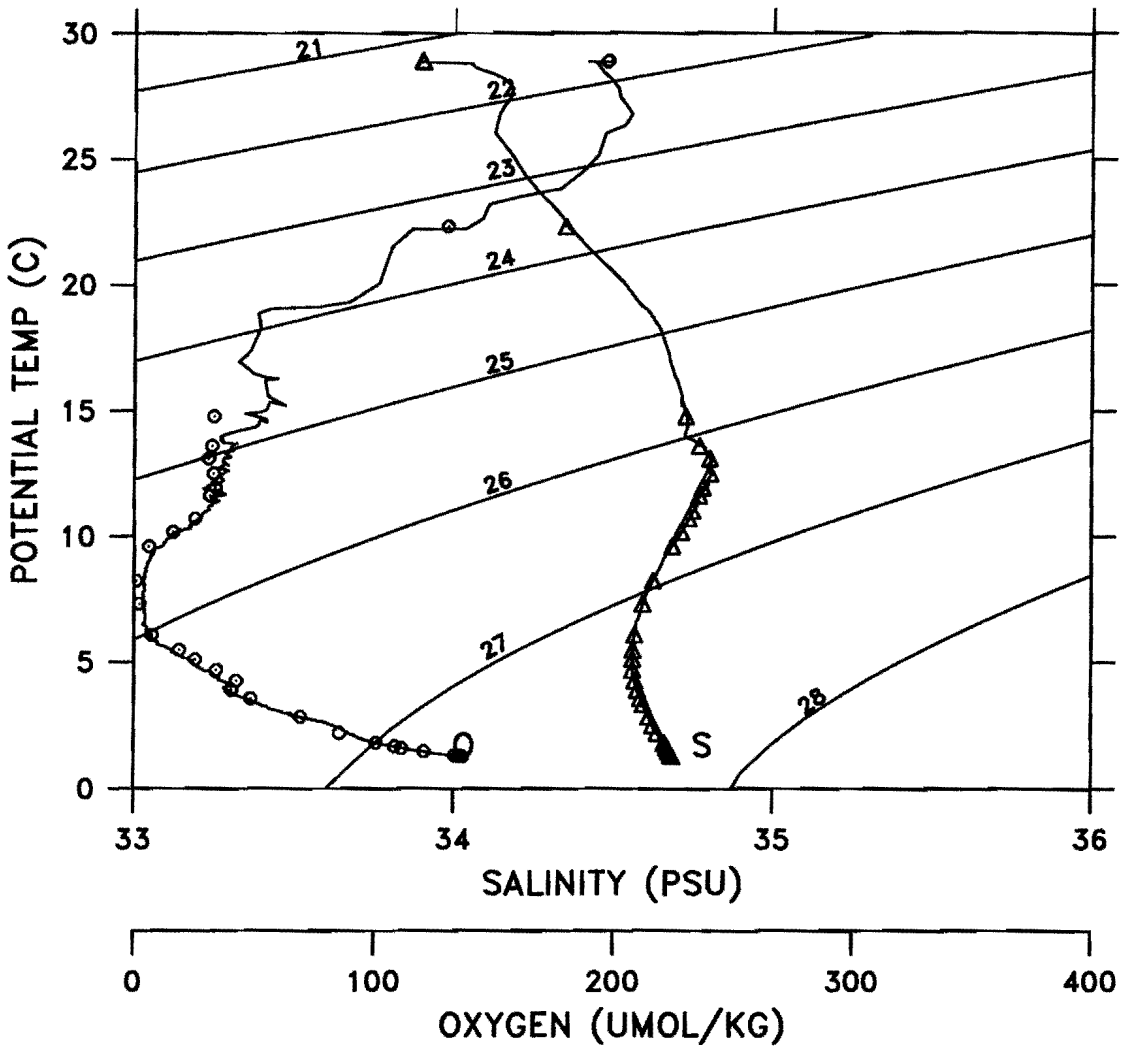


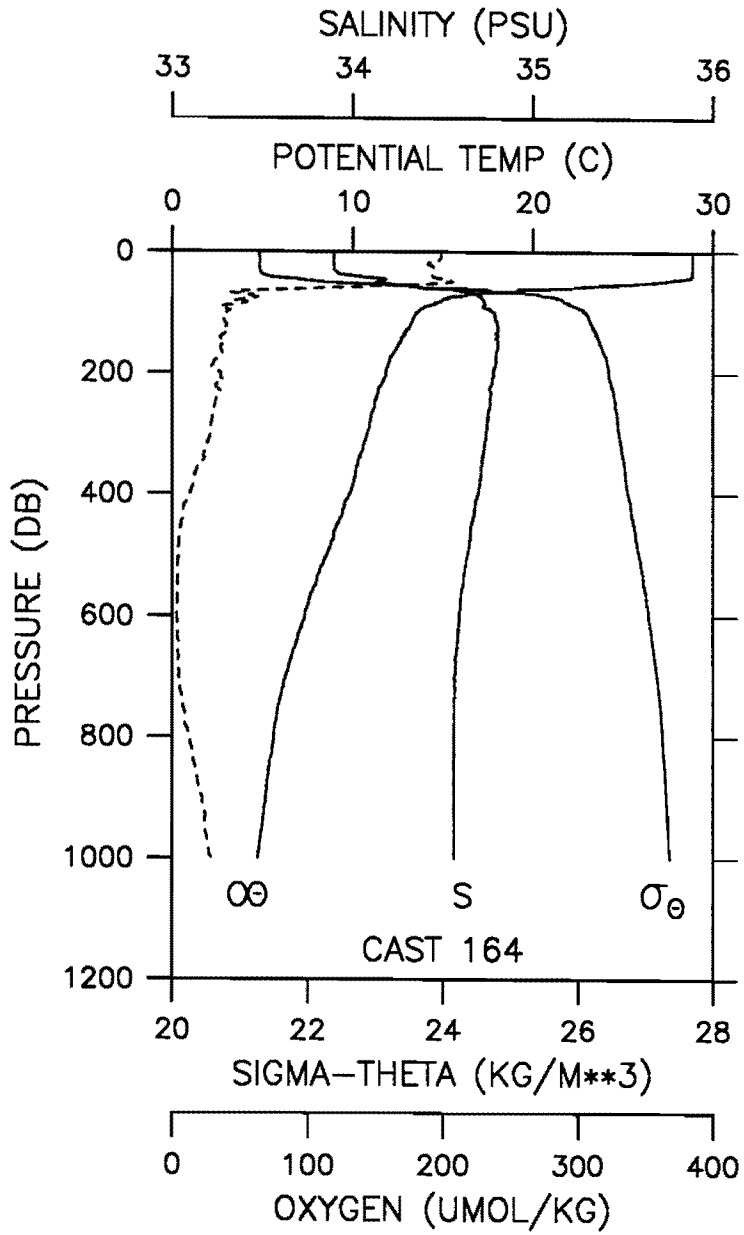
CAST CG3-94-DI -163 DATE 18 APR 94 TIME 0923 GMT
LAT 07 30.0N LONG 110 20.1W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 145 T SPD 16 KT VISIBILITY 9
CLOUD 8 AMOUNT 5 DRY 28.2 WET 25.0 DEPTH 3952 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	29.004	33.980	191.2	21.299	0.000
10	29.010	33.967	200.1	21.288	0.065
20	29.015	33.967	193.9	21.286	0.130
30	28.992	33.972	193.4	21.297	0.195
40	28.876	33.983	195.1	21.344	0.260
50	24.981	34.181	187.6	22.730	0.319
60	20.224	34.547	99.3	24.358	0.362
70	17.677	34.680	75.6	25.107	0.394
80	15.367	34.723	54.7	25.678	0.421
90	14.222	34.752	43.4	25.950	0.443
100	13.753	34.746	46.3	26.043	0.463
110	13.316	34.754	45.0	26.139	0.482
120	13.101	34.801	48.1	26.219	0.501
130	13.025	34.860	38.9	26.280	0.519
140	13.018	34.867	36.6	26.287	0.536
150	12.760	34.842	35.5	26.319	0.554
160	12.506	34.820	32.7	26.352	0.571
170	12.260	34.804	32.0	26.388	0.588
180	12.007	34.790	37.5	26.425	0.605
190	11.859	34.787	30.2	26.451	0.621
200	11.648	34.774	29.6	26.481	0.637
250	11.082	34.755	28.0	26.570	0.715
300	10.723	34.737	29.0	26.621	0.789
350	10.164	34.711	29.2	26.698	0.862
400	9.705	34.688	21.0	26.759	0.931
450	8.931	34.648	8.1	26.854	0.997
500	8.256	34.621	5.3	26.938	1.059
550	7.635	34.604	4.5	27.017	1.117
600	7.166	34.587	4.0	27.071	1.173
650	6.791	34.579	4.2	27.116	1.226
700	6.346	34.571	5.9	27.169	1.277
750	6.016	34.566	8.6	27.208	1.325
800	5.655	34.561	12.0	27.250	1.372
900	5.112	34.560	20.7	27.313	1.462
1000	4.668	34.561	31.9	27.365	1.545
1500	3.086	34.599	64.4	27.557	1.905
2000	2.158	34.637	93.4	27.668	2.196
2500	1.704	34.664	107.1	27.725	2.444
3000	1.475	34.675	120.4	27.751	2.679
3500	1.292	34.683	135.2	27.771	2.905
3984	1.228	34.686	141.1	27.778	3.124

CAST CG3-94-DI -164 DATE 18 APR 94 TIME 1534 GMT

LAT 07 59.9N LONG 110 20.2W



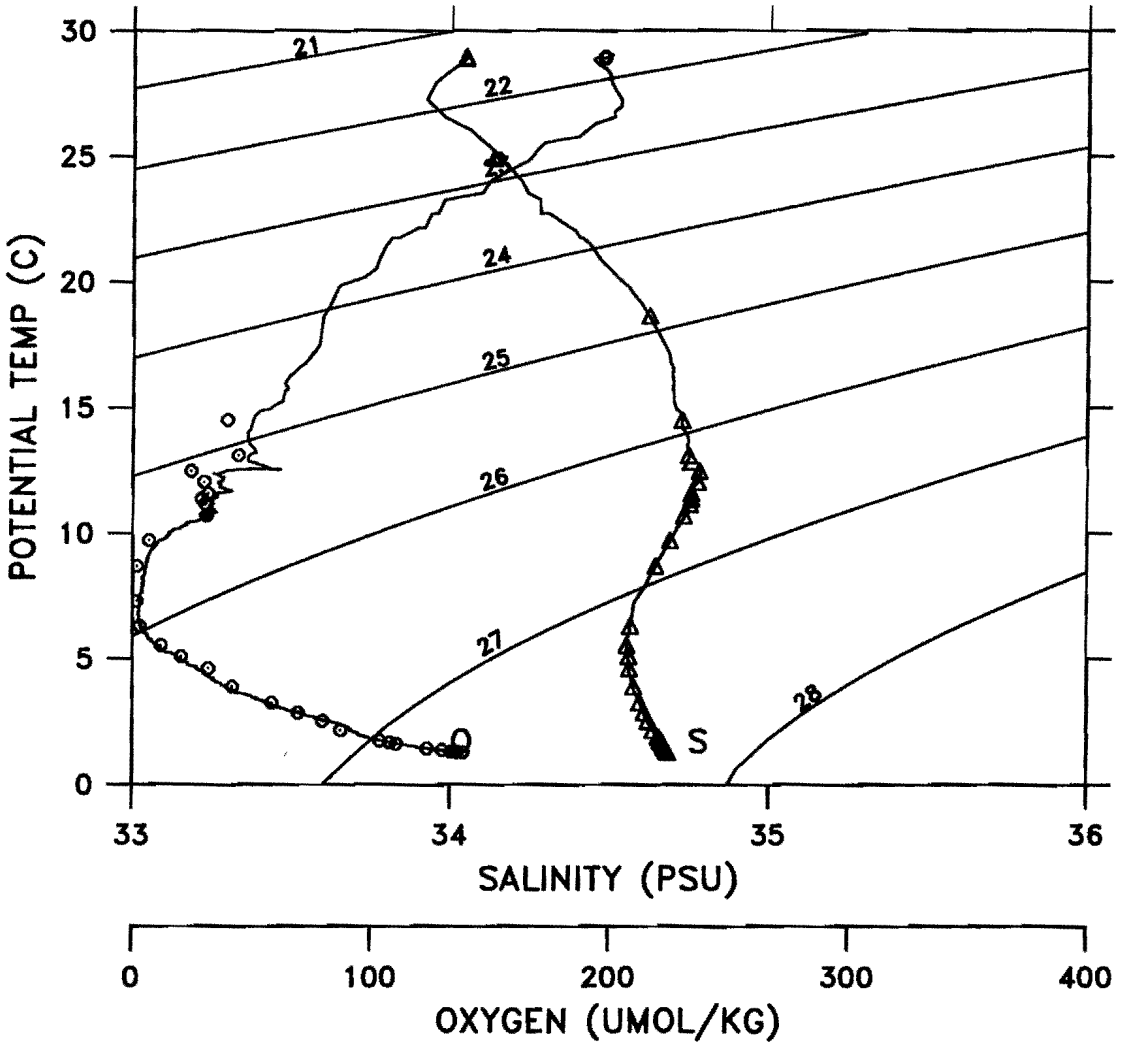


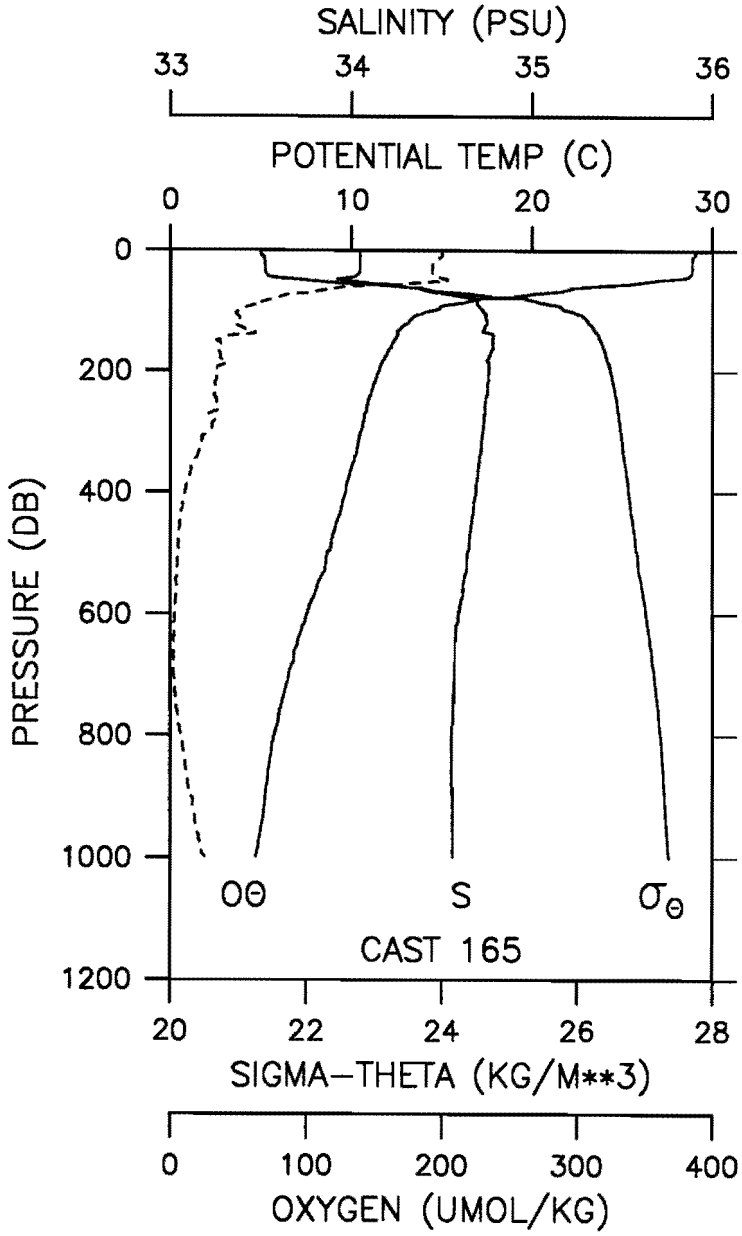
CAST CG3-94-DI -164 DATE 18 APR 94 TIME 1534 GMT
LAT 07 59.9N LONG 110 20.2W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 150 T SPD 15 KT VISIBILITY 8
CLOUD 8 AMOUNT 4 DRY 30.0 WET 25.5 DEPTH 3943 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	28.865	33.898	198.8	21.284	0.000
10	28.856	33.895	198.2	21.285	0.065
20	28.860	33.896	189.0	21.284	0.130
30	28.859	33.897	192.0	21.285	0.195
40	28.806	34.013	192.4	21.390	0.260
50	26.340	34.130	204.2	22.273	0.320
60	21.492	34.415	107.0	23.915	0.368
70	16.316	34.691	54.9	25.438	0.399
80	14.911	34.725	48.8	25.780	0.422
90	13.989	34.721	36.1	25.974	0.444
100	13.512	34.786	40.1	26.123	0.463
110	13.342	34.789	38.4	26.161	0.482
120	13.183	34.803	40.2	26.204	0.501
130	12.983	34.803	37.1	26.245	0.519
140	12.757	34.799	35.5	26.287	0.537
150	12.610	34.805	38.6	26.320	0.554
160	12.407	34.802	35.7	26.358	0.571
170	12.198	34.796	36.4	26.393	0.588
180	12.026	34.794	31.0	26.425	0.605
190	11.907	34.788	28.8	26.443	0.621
200	11.825	34.780	35.5	26.452	0.637
250	11.209	34.760	31.8	26.551	0.716
300	10.805	34.740	28.2	26.609	0.792
350	10.256	34.716	20.4	26.687	0.865
400	9.820	34.694	13.2	26.744	0.935
450	9.125	34.658	6.6	26.830	1.002
500	8.567	34.637	4.4	26.902	1.066
550	7.916	34.611	4.3	26.981	1.126
600	7.333	34.592	3.7	27.051	1.183
650	6.816	34.580	4.5	27.113	1.236
700	6.282	34.565	4.8	27.173	1.287
750	5.860	34.562	8.3	27.224	1.335
800	5.630	34.561	12.6	27.252	1.382
900	5.151	34.560	22.3	27.309	1.471
1000	4.704	34.560	28.6	27.360	1.556
1500	3.041	34.602	61.8	27.564	1.912
2000	2.179	34.638	89.7	27.667	2.200
2500	1.669	34.666	109.2	27.730	2.442
3000	1.492	34.674	119.3	27.749	2.676
3500	1.321	34.681	133.2	27.767	2.903
3991	1.281	34.683	137.5	27.772	3.130

CAST CG3-94-DI -165 DATE 18 APR 94 TIME 2336 GMT

LAT 08 30.0N LONG 110 15.1W



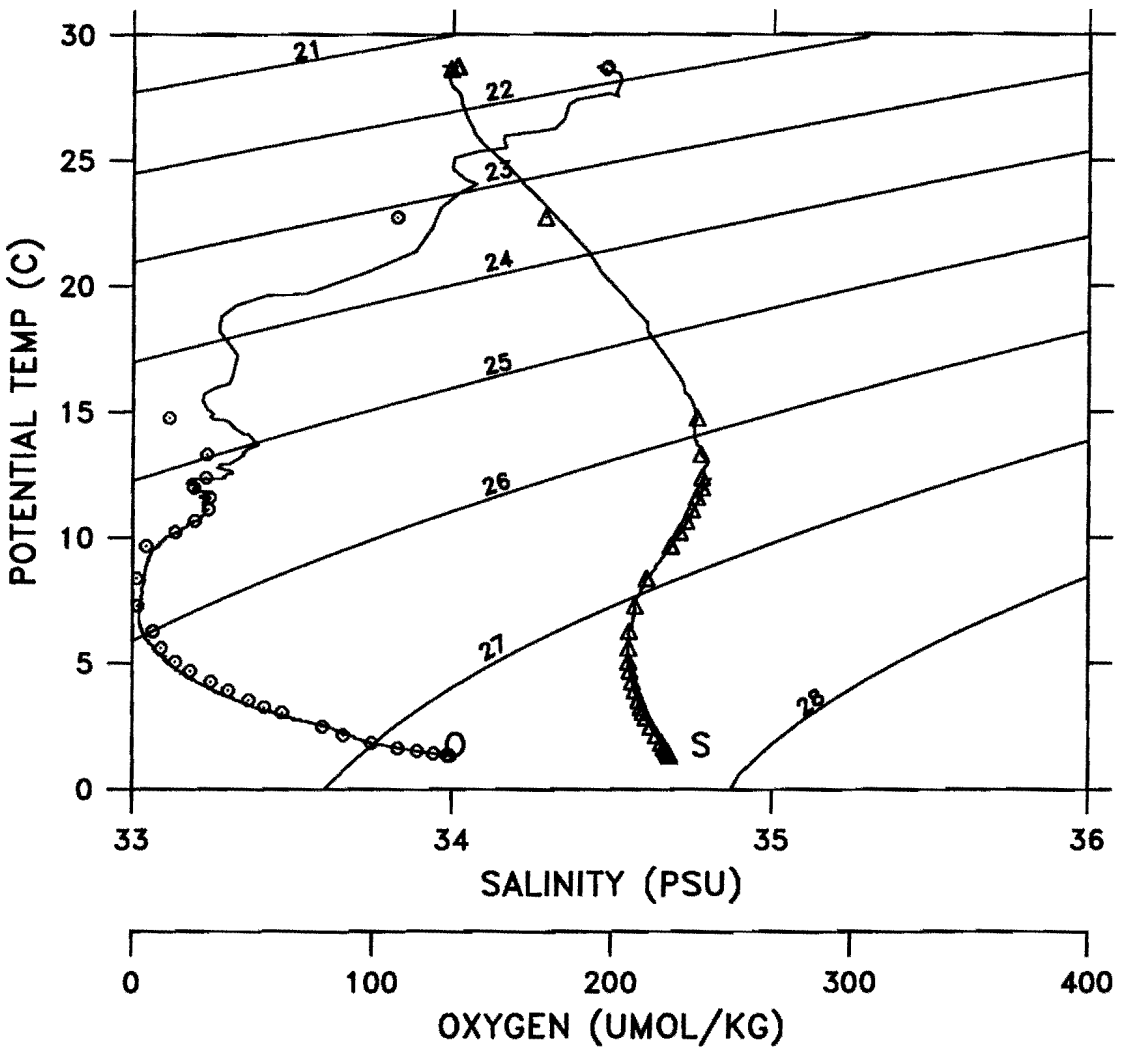


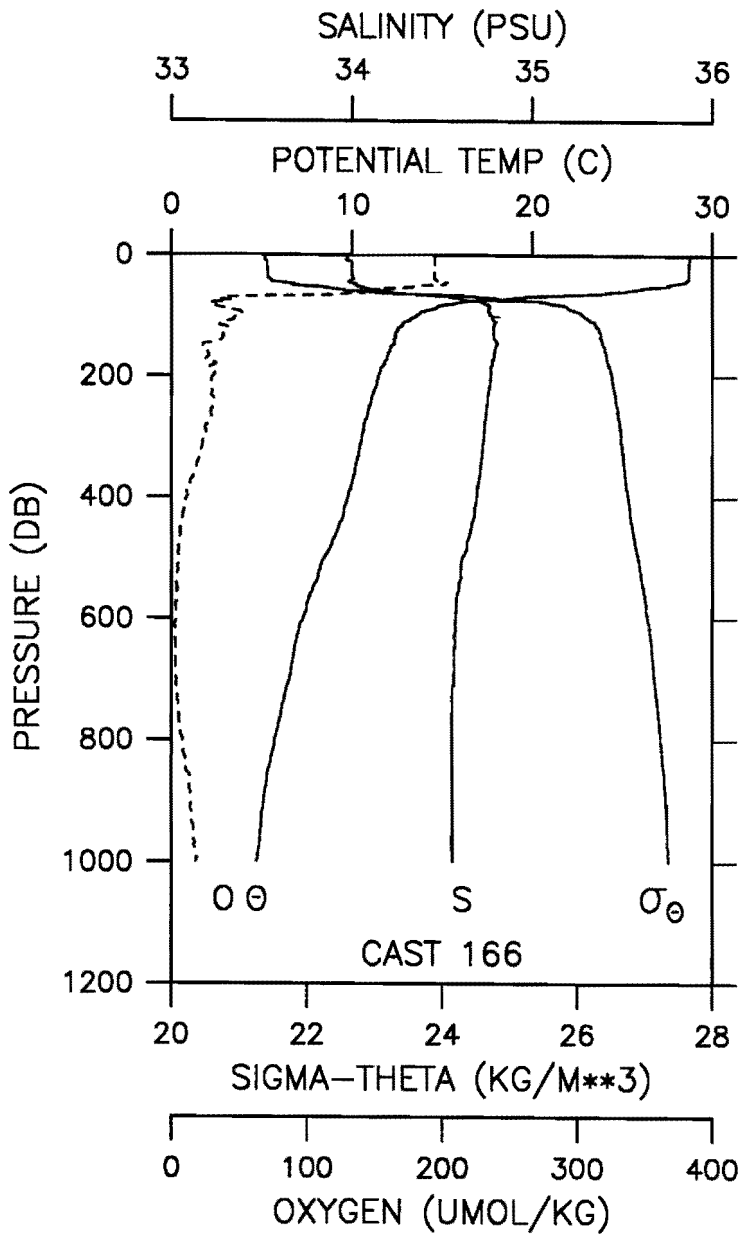
CAST CG3-94-DI -165 DATE 18 APR 94 TIME 2336 GMT
LAT 08 30.0N LONG 110 15.1W WEATHER 0 SEA STATE 3
BAROMETER 09 WIND DIR 131 T SPD 05 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 30.0 WET 25.0 DEPTH 3900 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	29.062	34.048	200.2	21.331	0.000
10	28.942	34.047	199.6	21.370	0.065
20	28.898	34.047	193.6	21.385	0.129
30	28.879	34.046	193.2	21.391	0.193
40	28.781	34.036	193.5	21.415	0.257
50	26.568	33.977	201.6	22.086	0.318
60	22.725	34.280	127.6	23.468	0.370
70	20.528	34.496	101.8	24.238	0.411
80	17.107	34.685	75.1	25.248	0.444
90	15.240	34.699	62.8	25.688	0.469
100	14.395	34.725	50.2	25.892	0.491
110	13.371	34.743	50.7	26.119	0.511
120	13.114	34.750	49.2	26.177	0.530
130	12.679	34.737	54.8	26.253	0.549
140	12.550	34.787	49.1	26.318	0.566
150	12.367	34.783	33.8	26.351	0.583
160	12.224	34.784	38.3	26.379	0.600
170	11.975	34.771	36.0	26.417	0.617
180	11.808	34.757	37.3	26.438	0.633
190	11.621	34.760	38.1	26.475	0.649
200	11.503	34.762	35.3	26.498	0.665
250	10.938	34.743	34.1	26.587	0.742
300	10.541	34.729	28.6	26.647	0.816
350	10.118	34.708	16.7	26.704	0.887
400	9.683	34.689	10.8	26.763	0.956
450	9.172	34.665	6.8	26.828	1.023
500	8.663	34.642	5.4	26.892	1.087
550	8.138	34.620	4.4	26.955	1.149
600	7.548	34.593	3.2	27.021	1.207
650	7.014	34.574	2.8	27.082	1.262
700	6.535	34.569	2.7	27.142	1.315
750	6.133	34.564	4.4	27.191	1.365
600	5.743	34.555	8.0	27.233	1.413
900	5.234	34.558	15.4	27.298	1.503
1000	4.719	34.559	25.6	27.358	1.589
1500	3.082	34.602	62.0	27.560	1.948
2000	2.196	34.636	91.1	27.664	2.238
2500	1.690	34.665	107.8	27.727	2.483
3000	1.545	34.672	116.7	27.744	2.719
3500	1.347	34.681	131.6	27.765	2.951
3920	1.289	34.683	138.1	27.771	3.144

CAST CG3-94-DI -166 DATE 19 APR 94 TIME 0426 GMT

LAT 09 00.0N LONG 110 09.9W



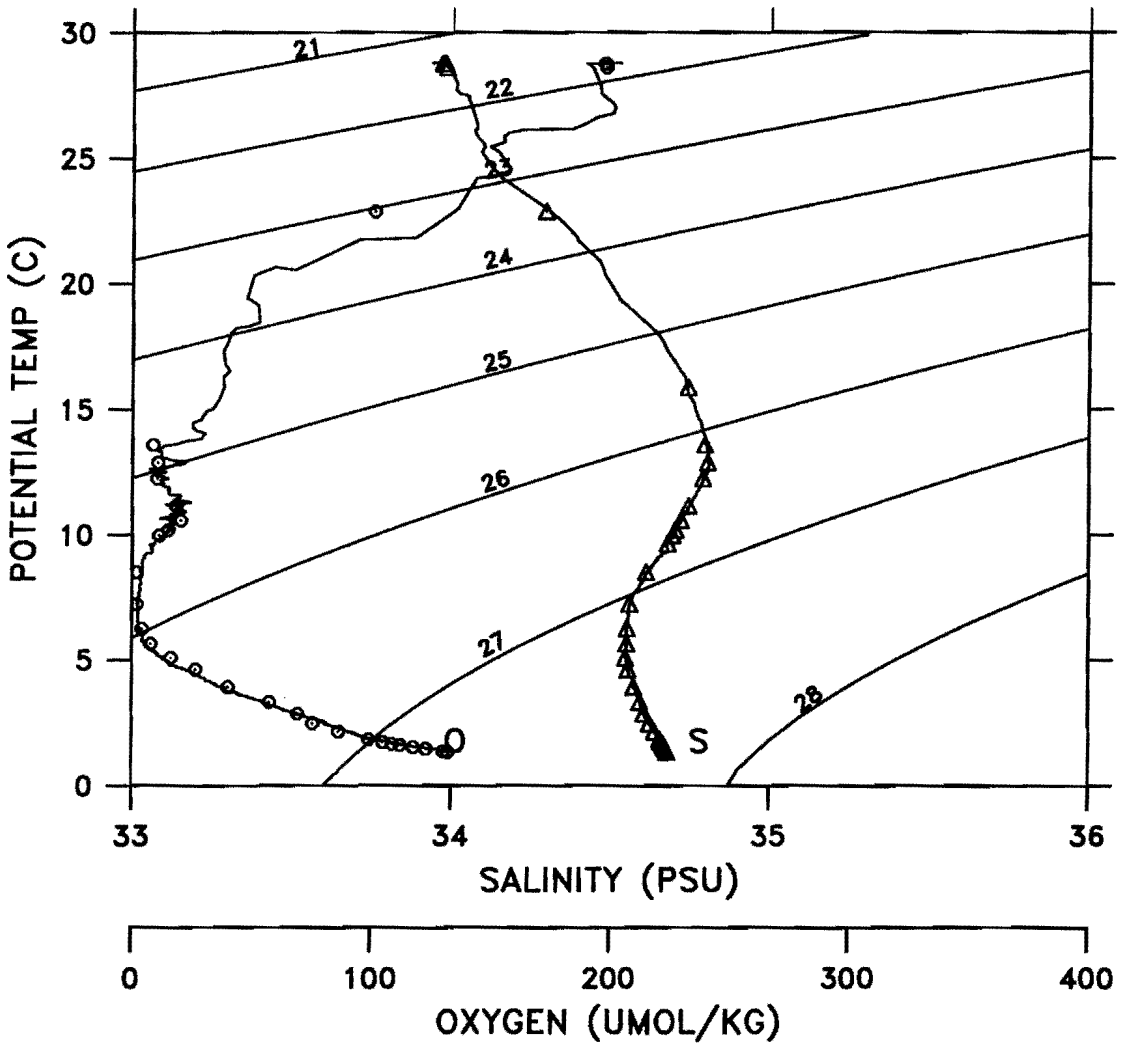


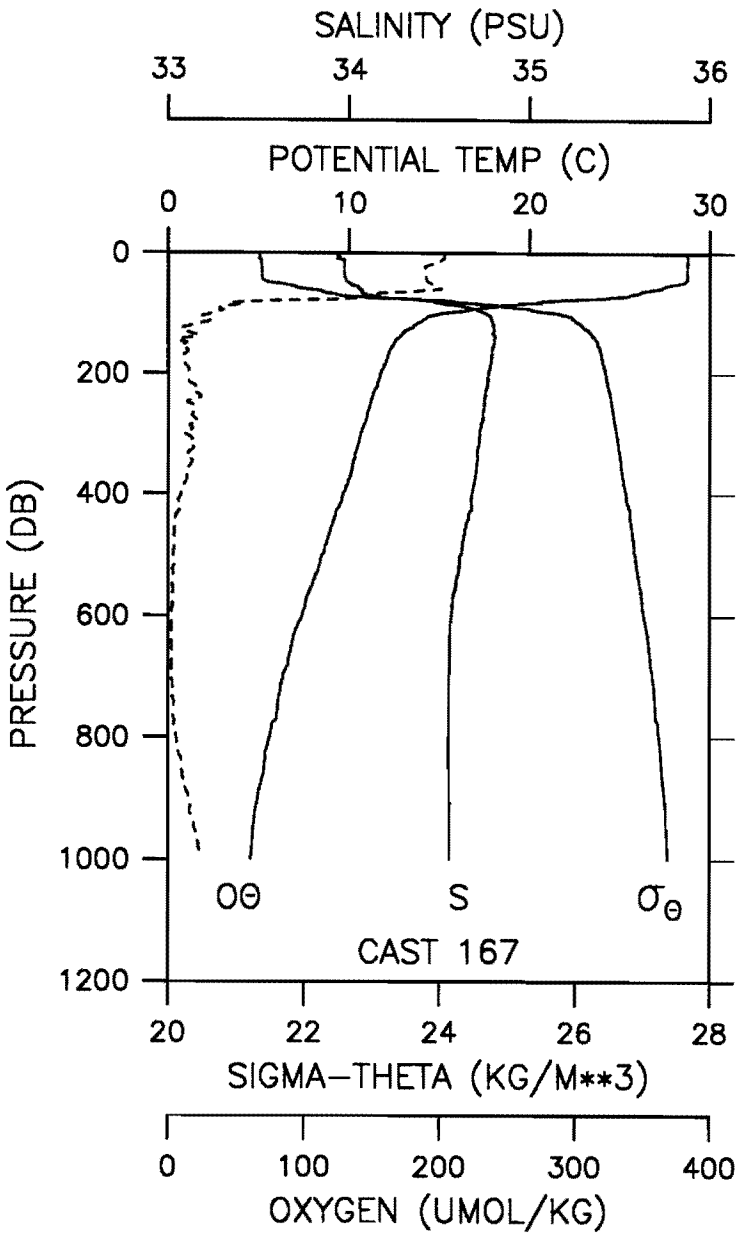
CAST CG3-94-DI -166 DATE 19 APR 94 TIME 0426 GMT
LAT 09 00.0N LONG 110 09.9W WEATHER 1 SEA STATE 9
BAROMETER 12 WIND DIR 060 T SPD 05 KT VISIBILITY 8
CLOUD 4 AMOUNT 5 DRY 28.5 WET 25.0 DEPTH 3672 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	28.760	33.973	194.4	21.375	0.000
10	28.729	33.996	194.4	21.403	0.064
20	28.709	33.999	193.1	21.411	0.128
30	28.697	33.999	194.4	21.416	0.192
40	28.616	34.004	195.0	21.446	0.256
50	27.414	34.026	184.8	21.854	0.318
60	24.669	34.178	132.9	22.822	0.373
70	19.233	34.557	42.9	24.624	0.415
80	15.691	34.735	29.5	25.614	0.443
90	14.314	34.756	42.9	25.933	0.465
100	13.588	34.773	49.8	26.098	0.485
110	12.916	34.798	40.0	26.253	0.504
120	12.552	34.785	41.7	26.316	0.521
130	12.409	34.785	38.1	26.344	0.538
140	12.334	34.792	36.8	26.364	0.555
150	12.190	34.798	22.7	26.396	0.572
160	12.035	34.790	26.5	26.420	0.589
170	11.939	34.786	26.1	26.436	0.605
180	11.781	34.779	32.6	26.460	0.621
190	11.568	34.769	31.2	26.492	0.637
200	11.459	34.768	30.7	26.511	0.653
250	10.935	34.745	30.3	26.589	0.730
300	10.547	34.729	22.9	26.646	0.803
350	10.183	34.711	18.5	26.696	0.875
400	9.749	34.690	11.1	26.753	0.945
450	9.233	34.660	6.6	26.814	1.013
500	8.437	34.610	4.6	26.902	1.077
550	7.809	34.590	4.1	26.981	1.137
600	7.278	34.572	3.2	27.043	1.194
650	6.806	34.568	2.9	27.105	1.248
700	6.521	34.565	3.7	27.141	1.300
750	6.078	34.555	5.6	27.191	1.350
800	5.708	34.552	8.1	27.236	1.398
900	5.098	34.553	14.4	27.309	1.488
1000	4.716	34.556	18.6	27.356	1.572
1500	3.044	34.600	59.4	27.562	1.929
2000	2.147	34.639	90.2	27.671	2.217
2500	1.691	34.664	108.3	27.727	2.461
3000	1.505	34.674	119.5	27.748	2.696
3500	1.353	34.680	131.9	27.764	2.927
3716	1.335	34.681	134.6	27.766	3.027

CAST CG3-94-DI -167 DATE 19 APR 94 TIME 1045 GMT

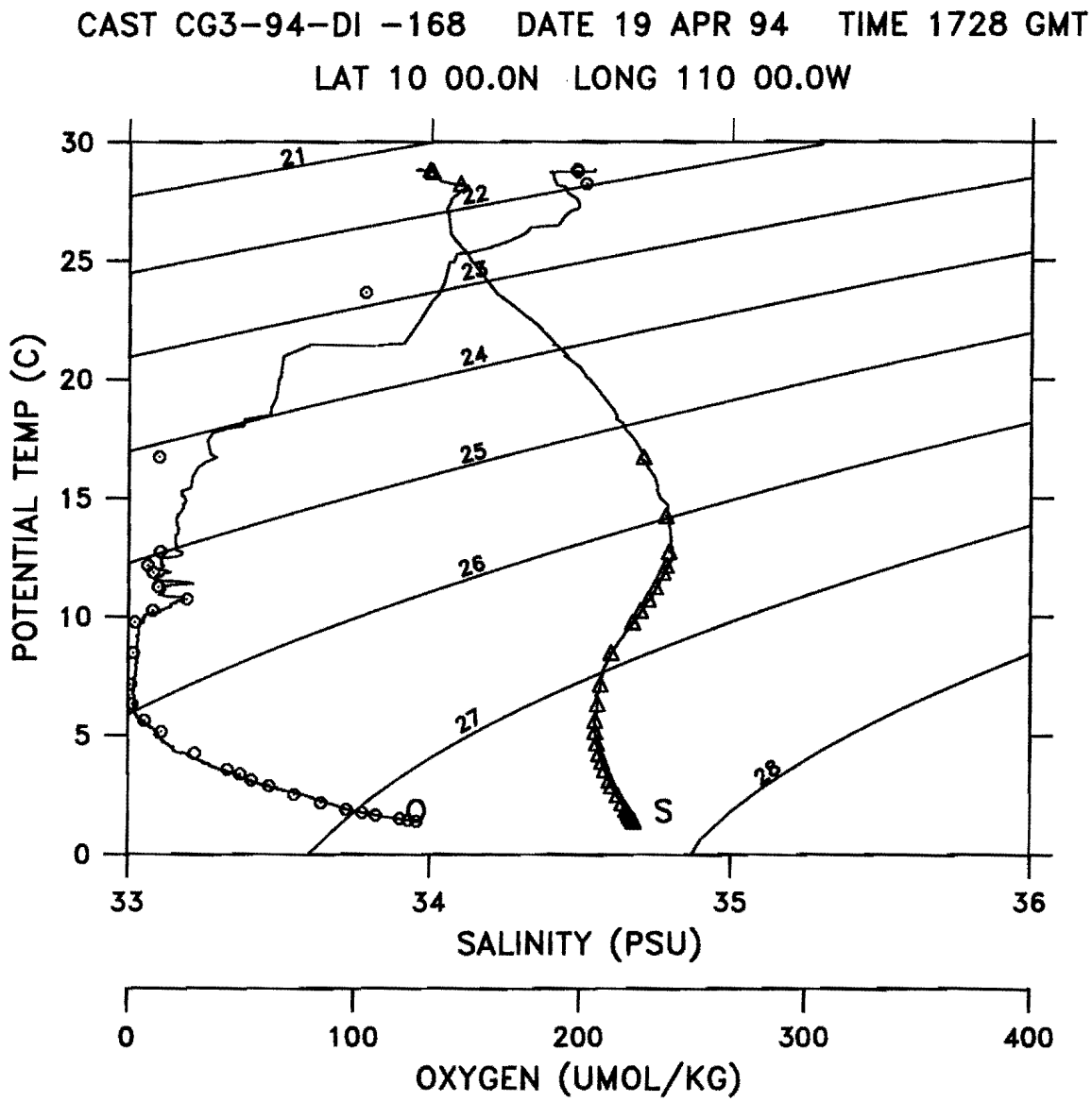
LAT 09 30.7N LONG 110 05.1W

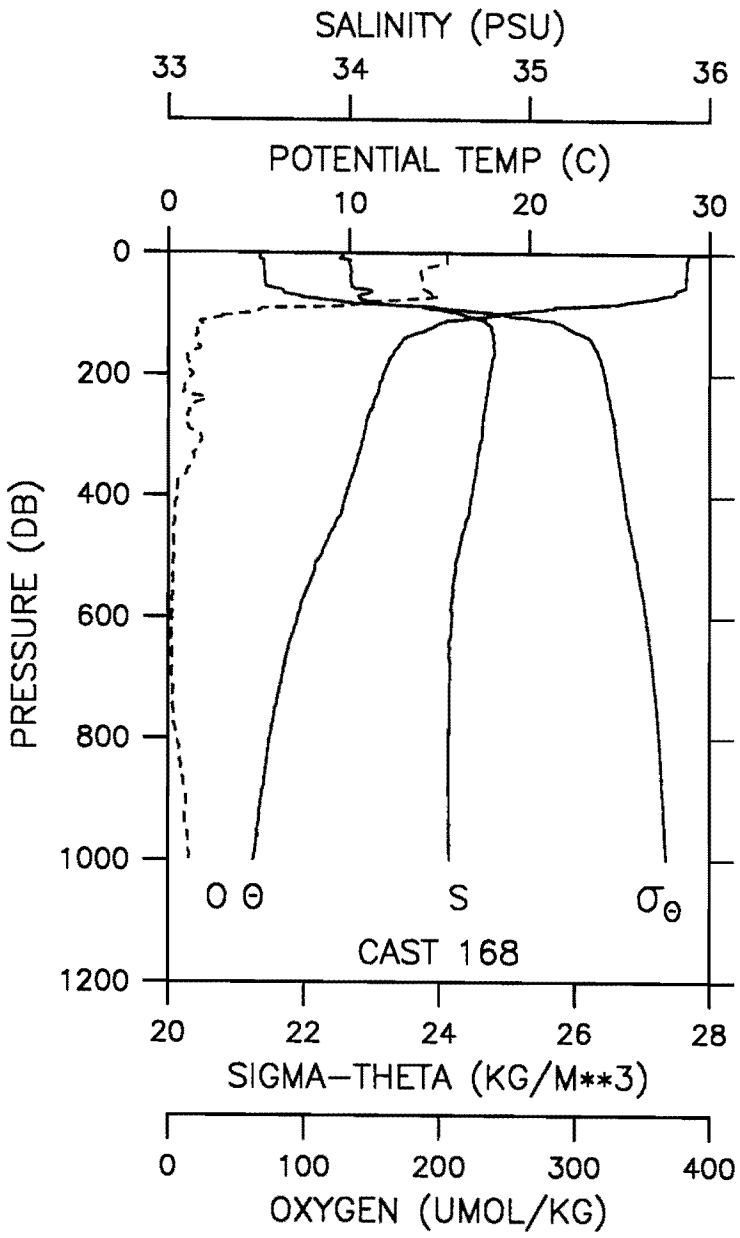




CAST CG3-94-DI -167 DATE 19 APR 94 TIME 1045 GMT
LAT 09 30.7N LONG 110 05.1W WEATHER 1 SEA STATE 1
BAROMETER 10 WIND DIR 080 T SPD 05 KT VISIBILITY 7
CLOUD X AMOUNT 9 DRY 26.3 WET 23.6 DEPTH 3471 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	28.779	33.938	203.6	21.342	0.000
10	28.791	33.952	202.9	21.349	0.064
20	28.772	33.974	192.6	21.372	0.129
30	28.759	33.973	189.8	21.376	0.193
40	28.760	33.977	190.1	21.378	0.257
50	28.184	34.005	193.8	21.589	0.321
60	26.789	34.064	200.5	22.082	0.381
70	25.444	34.100	148.9	22.528	0.436
80	20.552	34.476	67.8	24.217	0.482
90	17.679	34.663	39.9	25.094	0.515
100	15.008	34.765	33.4	25.789	0.540
110	14.143	34.787	26.9	25.993	0.562
120	13.608	34.798	18.0	26.113	0.581
130	13.075	34.802	12.6	26.225	0.600
140	12.744	34.807	16.5	26.295	0.618
150	12.503	34.804	13.3	26.340	0.635
160	12.280	34.792	13.7	26.375	0.652
170	12.162	34.790	11.5	26.396	0.669
180	12.047	34.787	12.8	26.415	0.686
190	11.911	34.782	14.8	26.437	0.702
200	11.747	34.773	15.2	26.461	0.718
250	11.175	34.749	15.1	26.549	0.797
300	10.650	34.724	11.7	26.623	0.873
350	10.214	34.707	16.6	26.687	0.945
400	9.677	34.681	9.5	26.758	1.015
450	9.077	34.648	5.1	26.830	1.082
500	8.511	34.618	3.8	26.897	1.146
550	7.959	34.592	3.2	26.960	1.207
600	7.398	34.566	2.2	27.021	1.264
650	6.806	34.558	2.5	27.098	1.319
700	6.355	34.552	2.4	27.153	1.371
750	6.061	34.552	3.8	27.191	1.420
800	5.602	34.551	5.9	27.248	1.468
900	4.948	34.553	15.2	27.327	1.556
1000	4.563	34.558	23.8	27.375	1.638
1500	3.122	34.599	61.3	27.554	1.994
2000	2.134	34.641	91.2	27.673	2.283
2500	1.687	34.665	110.1	27.728	2.526
3000	1.523	34.673	120.6	27.746	2.761
3500	1.340	34.680	134.8	27.765	2.992
3513	1.338	34.682	135.0	27.766	2.998


CAST CG3-94-DI -168 DATE 19 APR 94 TIME 1728 GMT
LAT 10 00.0N LONG 110 00.0W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
21
22
23
24
25
26
27
28
O
S
30
25
20
15
10
5
0
33
34
35
36
0
100
200
300
400

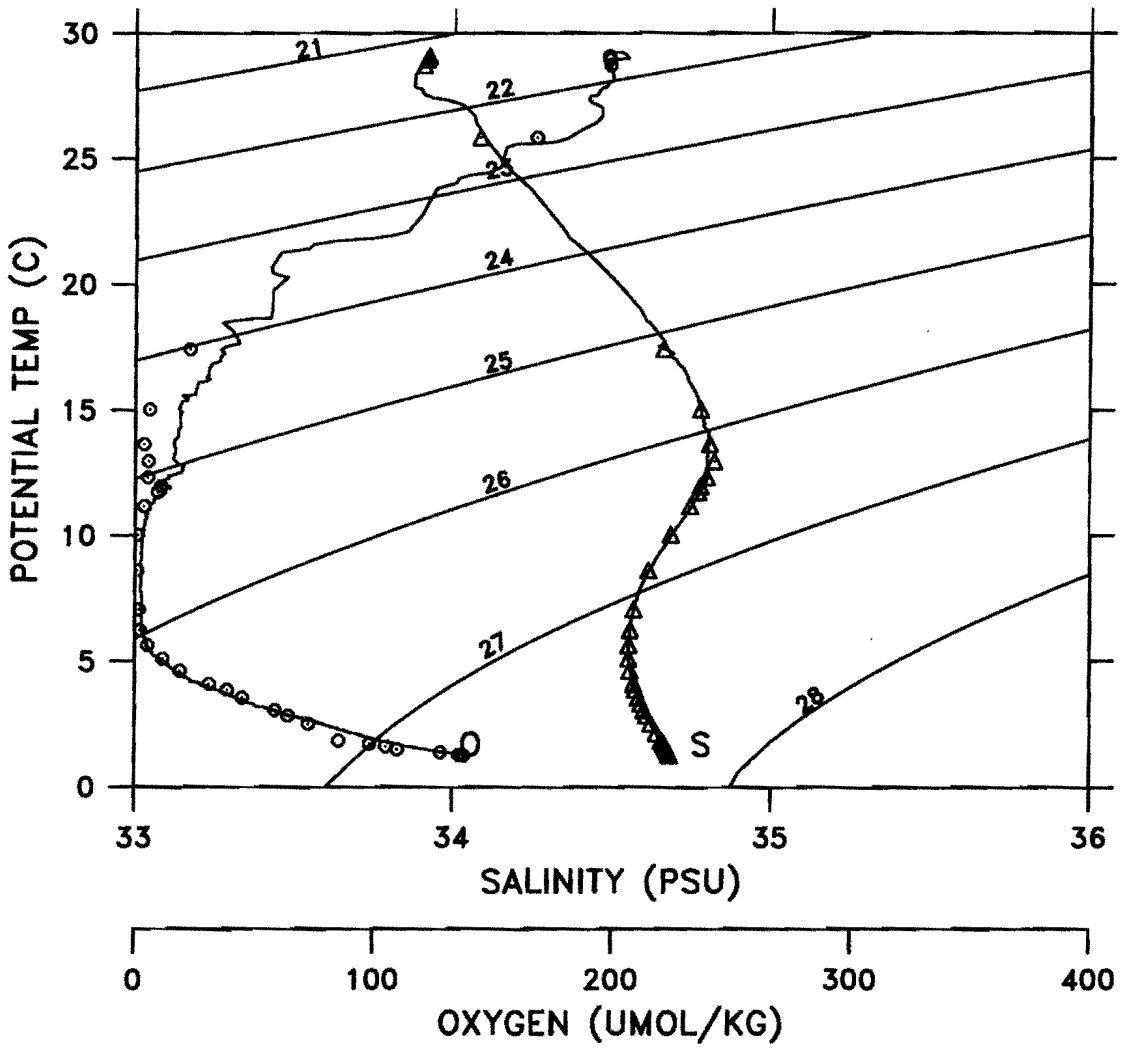


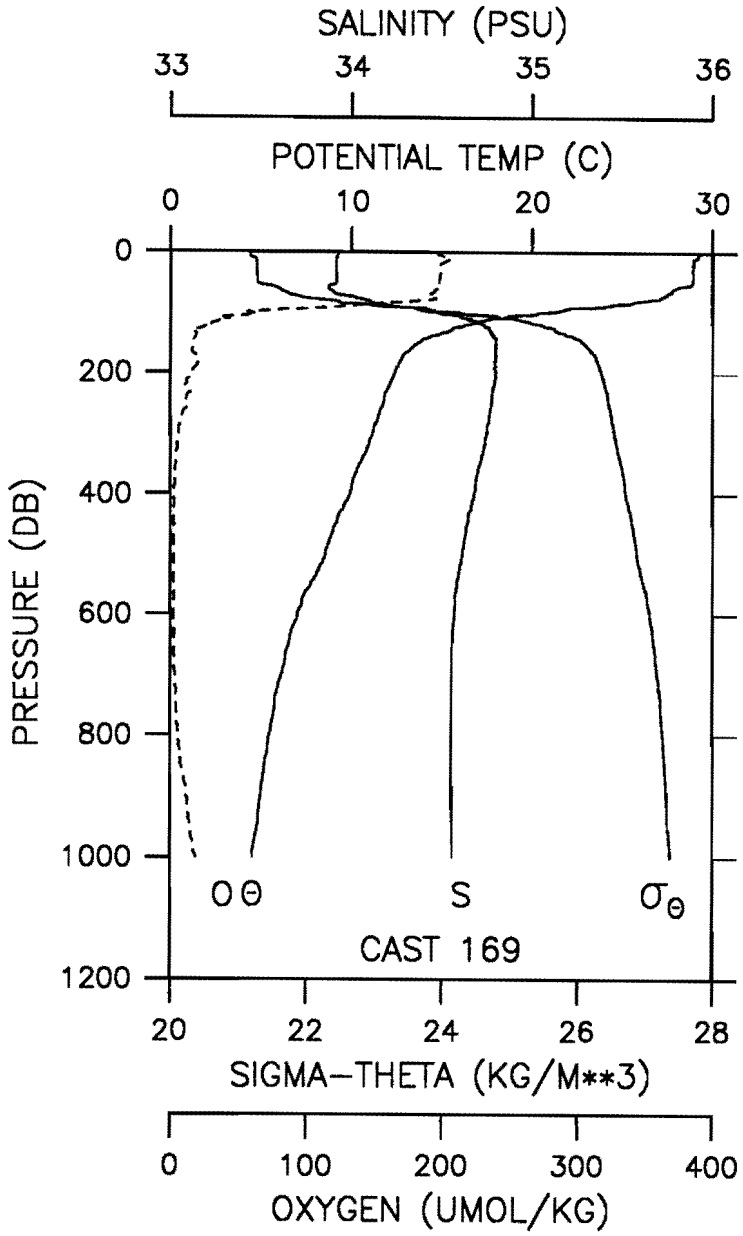
CAST CG3-94-DI -168 DATE 19 APR 94 TIME 1728 GMT
LAT 10 00.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 075 T SPD 11 KT VISIBILITY 7
CLOUD 9 AMOUNT 6 DRY 30.0 WET 25.5 DEPTH 3316 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	28.832	33.958	205.6	21.340	0.000
10	28.779	33.981	205.6	21.375	0.064
20	28.743	34.002	197.8	21.402	0.128
30	28.737	34.011	186.0	21.412	0.192
40	28.715	34.009	186.8	21.417	0.256
50	28.696	34.011	187.6	21.425	0.320
60	28.172	34.102	189.2	21.665	0.383
70	27.242	34.053	198.7	21.929	0.444
80	25.285	34.119	144.4	22.591	0.500
90	20.996	34.455	68.8	24.081	0.546
100	18.170	34.638	50.8	24.954	0.580
110	15.436	34.755	27.4	25.688	0.607
120	14.666	34.789	24.1	25.883	0.630
130	13.799	34.794	21.4	26.071	0.650
140	13.022	34.798	20.7	26.233	0.669
150	12.776	34.800	21.2	26.283	0.687
160	12.511	34.806	20.0	26.340	0.705
170	12.327	34.801	14.3	26.372	0.722
180	12.153	34.792	15.2	26.399	0.738
190	12.008	34.786	13.7	26.422	0.755
200	11.861	34.780	18.1	26.445	0.771
250	11.310	34.755	17.4	26.528	0.851
300	10.801	34.736	24.0	26.606	0.927
350	10.365	34.709	16.6	26.662	1.001
400	9.808	34.679	6.8	26.735	1.072
450	9.197	34.643	3.7	26.807	1.140
500	8.400	34.601	4.1	26.900	1.204
550	7.702	34.574	3.2	26.984	1.264
600	7.171	34.569	2.7	27.056	1.320
650	6.650	34.558	3.1	27.119	1.374
700	6.270	34.558	2.7	27.169	1.424
750	5.884	34.555	3.2	27.216	1.473
800	5.593	34.549	6.5	27.247	1.520
900	5.109	34.551	13.1	27.307	1.609
1000	4.698	34.556	16.3	27.358	1.694
1500	3.109	34.599	53.6	27.555	2.056
2000	2.167	34.640	87.8	27.670	2.346
2500	1.695	34.664	107.9	27.727	2.592
3000	1.500	34.674	119.9	27.748	2.825
3343	1.396	34.678	127.4	27.760	2.984

CAST CG3-94-DI -169 DATE 20 APR 94 TIME 0010 GMT

LAT 10 40.0N LONG 110 00.0W



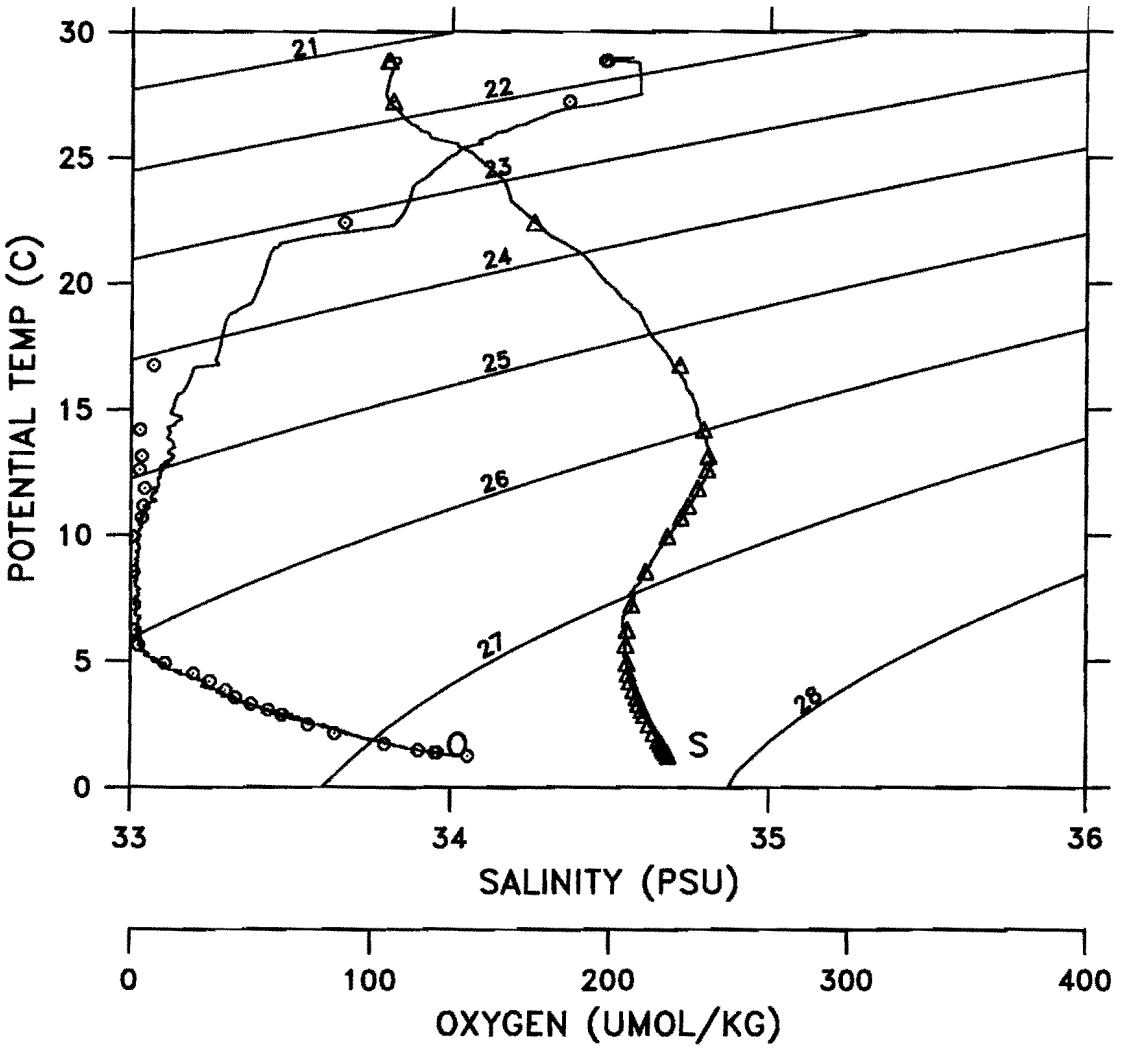


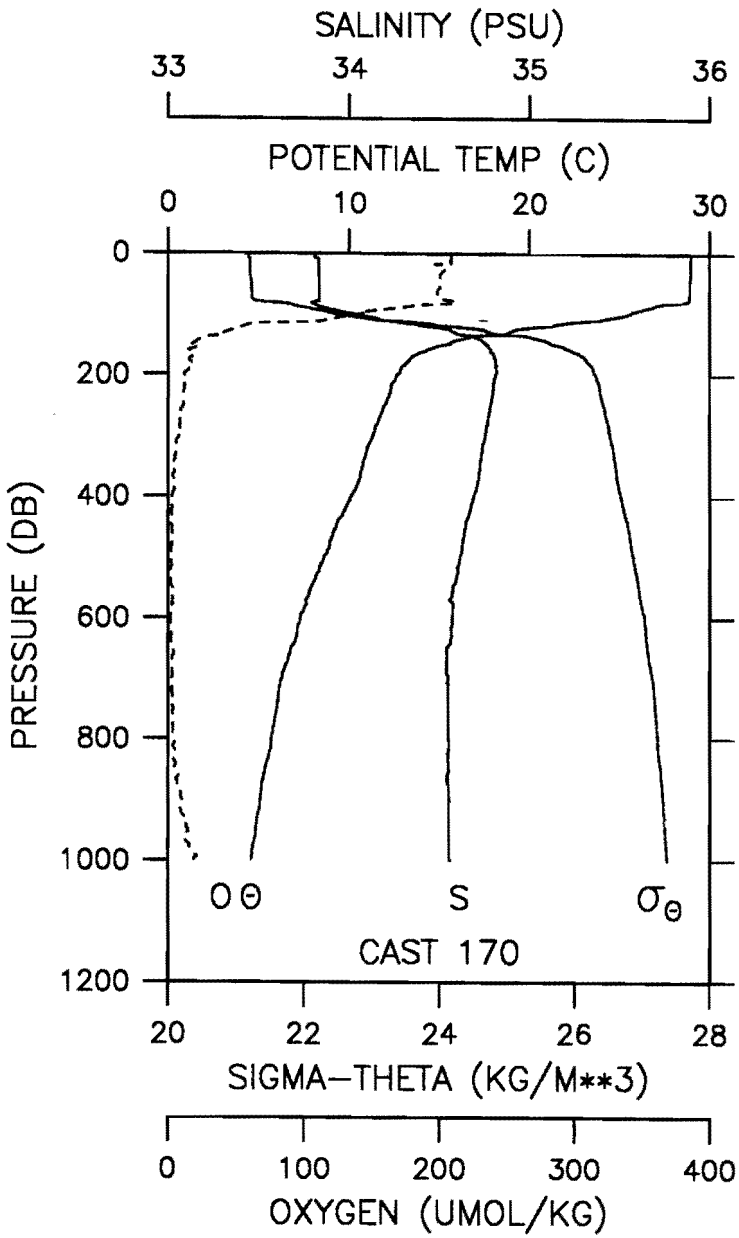
CAST CG3-94-DI -169 DATE 20 APR 94 TIME 0010 GMT
LAT 10 40.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 075 T SPD 17 KT VISIBILITY 7
CLOUD 9 AMOUNT 5 DRY 29.3 WET 25.0 DEPTH 3853 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	29.243	33.924	197.3	21.178	0.000
10	29.000	33.915	206.0	21.252	0.066
20	28.958	33.916	199.3	21.266	0.131
30	28.943	33.916	199.5	21.271	0.196
40	28.932	33.917	198.6	21.276	0.262
50	28.914	33.916	197.9	21.282	0.327
60	27.859	33.872	196.8	21.595	0.391
70	27.425	33.930	190.1	21.778	0.452
80	25.802	34.099	180.8	22.417	0.511
90	23.811	34.241	126.1	23.124	0.562
100	20.429	34.484	57.4	24.256	0.603
110	17.651	34.666	43.7	25.103	0.636
120	16.320	34.733	29.7	25.470	0.663
130	15.451	34.768	21.7	25.694	0.687
140	14.309	34.787	18.9	25.958	0.709
150	13.673	34.800	16.2	26.101	0.730
160	13.262	34.797	16.5	26.183	0.749
170	12.843	34.797	18.2	26.267	0.767
180	12.714	34.794	19.8	26.291	0.785
190	12.505	34.793	19.2	26.331	0.802
200	12.385	34.797	14.8	26.358	0.819
250	11.749	34.774	11.4	26.461	0.903
300	11.168	34.748	6.2	26.549	0.982
350	10.429	34.709	4.0	26.651	1.057
400	9.912	34.680	3.2	26.718	1.129
450	9.148	34.641	2.7	26.814	1.197
500	8.571	34.614	2.5	26.884	1.261
550	7.763	34.584	2.8	26.983	1.322
600	7.036	34.569	2.7	27.074	1.378
650	6.533	34.560	2.8	27.135	1.430
700	6.147	34.555	3.5	27.183	1.480
750	5.757	34.554	4.4	27.231	1.527
800	5.468	34.552	6.4	27.265	1.573
900	4.985	34.554	11.7	27.324	1.661
1000	4.533	34.559	18.8	27.379	1.744
1500	3.051	34.600	59.2	27.561	2.096
2000	2.143	34.640	91.7	27.672	2.384
2500	1.712	34.663	110.2	27.724	2.630
3000	1.506	34.673	122.6	27.747	2.865
3500	1.288	34.682	138.9	27.770	3.093
3845	1.264	34.682	140.9	27.772	3.250

CAST CG3-94-DI -170 DATE 20 APR 94 TIME 0625 GMT

LAT 11 20.0N LONG 110 00.0W



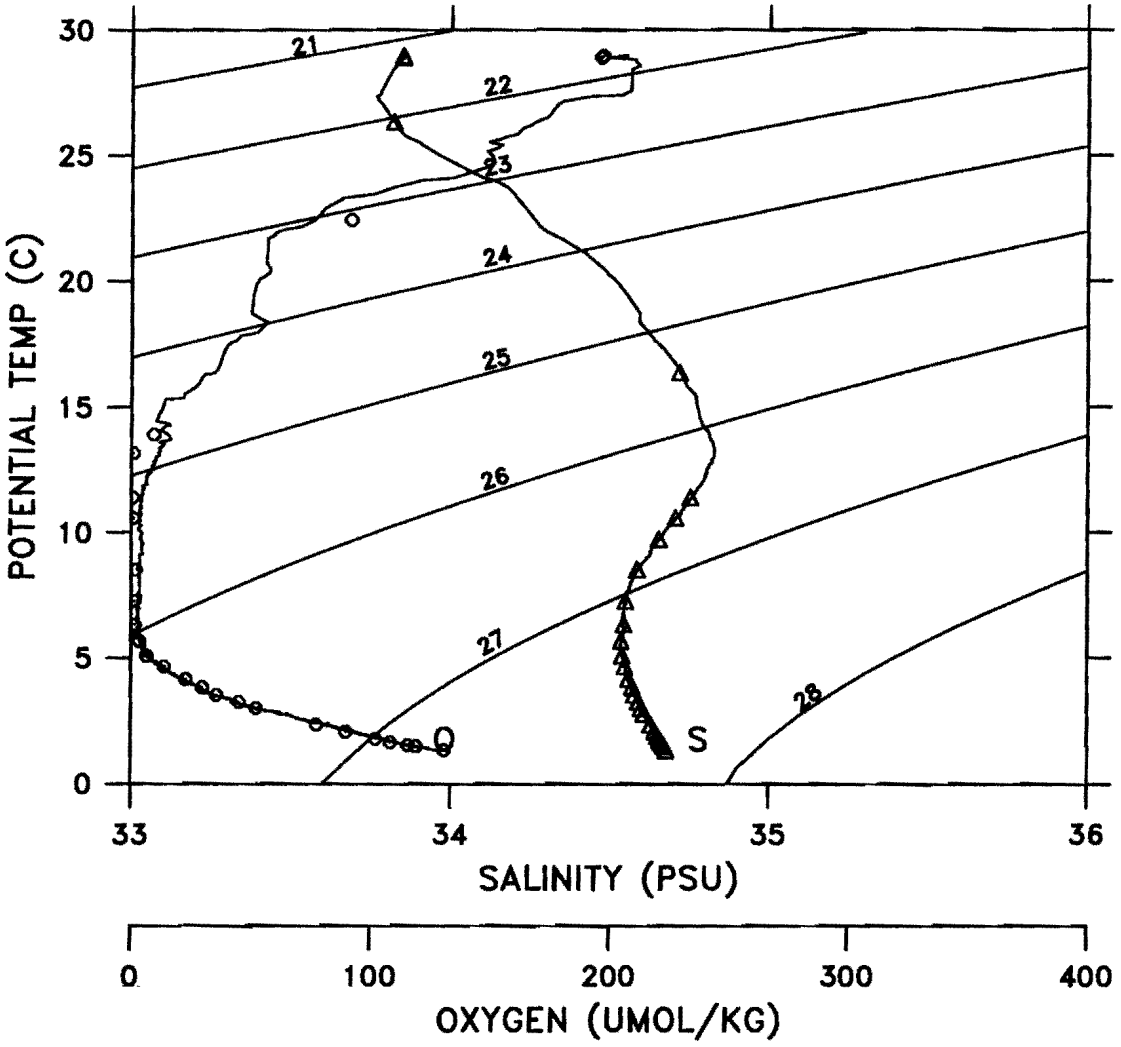


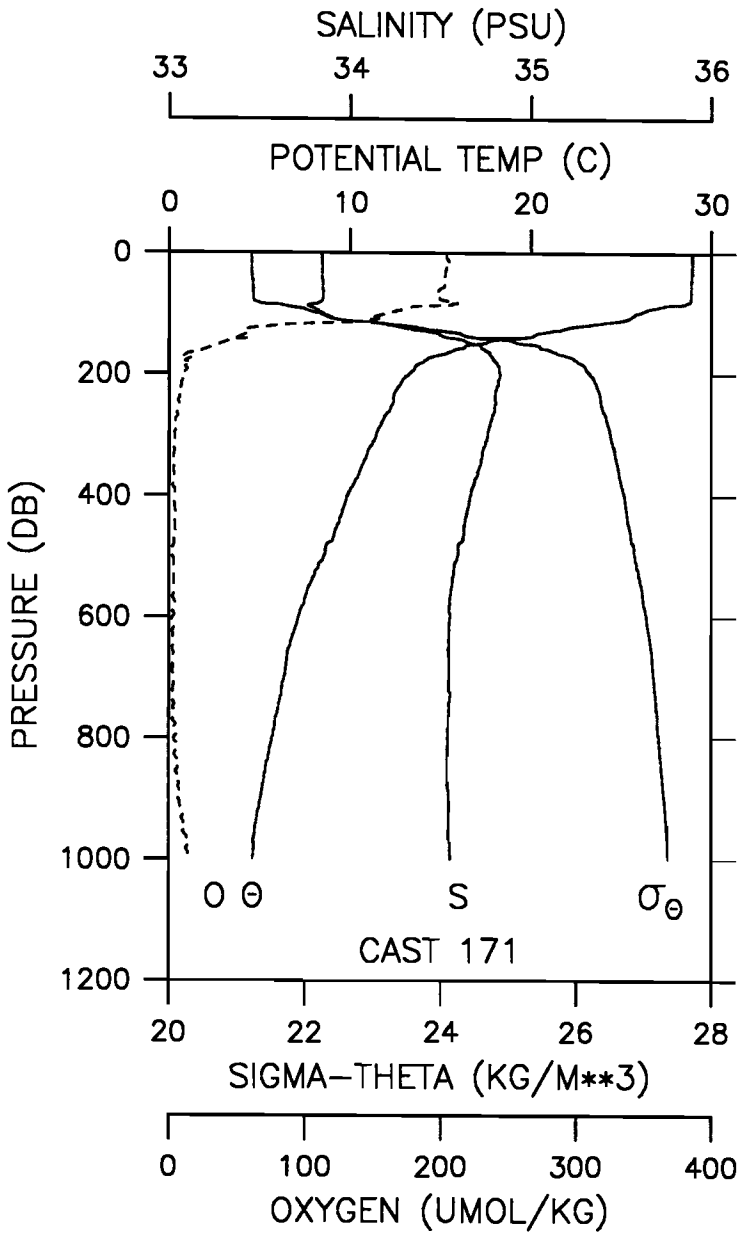
CAST CG3–94–DI –170 DATE 20 APR 94 TIME 0625 GMT
LAT 11 20.0N LONG 110 00.0W WEATHER 1 SEA STATE 2
BAROMETER 12 WIND DIR 075 T SPD 15 KT VISIBILITY 8
CLOUD 3 AMOUNT 2 DRY 28.8 WET 24.5 DEPTH 3500 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG–TH	DELTA–D (DYN–M)
0	28.962	33.812	208.7	21.188	0.000
10	28.958	33.832	208.7	21.204	0.066
20	28.958	33.833	199.9	21.204	0.132
30	28.960	33.833	202.2	21.203	0.198
40	28.933	33.834	200.7	21.214	0.263
50	28.897	33.836	199.4	21.227	0.329
60	28.892	33.835	198.7	21.228	0.395
70	28.885	33.836	198.7	21.231	0.461
80	28.216	33.805	212.0	21.428	0.526
90	26.324	33.871	163.6	22.083	0.586
100	25.369	34.032	137.4	22.500	0.642
110	23.261	34.186	115.3	23.242	0.693
120	20.403	34.460	55.3	24.245	0.734
130	18.824	34.590	41.8	24.753	0.768
140	16.301	34.721	24.6	25.465	0.796
150	15.375	34.761	18.2	25.706	0.820
160	14.287	34.781	15.2	25.958	0.842
170	13.491	34.805	18.2	26.143	0.862
180	13.184	34.811	17.5	26.210	0.881
190	12.863	34.814	15.2	26.277	0.899
200	12.653	34.812	11.9	26.317	0.917
250	11.956	34.784	11.5	26.430	1.002
300	11.320	34.755	9.2	26.527	1.082
350	10.744	34.726	5.0	26.609	1.159
400	10.109	34.690	3.0	26.692	1.233
450	9.279	34.646	2.9	26.796	1.302
500	8.610	34.614	2.0	26.878	1.367
550	7.895	34.576	3.5	26.957	1.429
600	7.313	34.571	1.7	27.037	1.487
650	6.798	34.541	2.3	27.085	1.541
700	6.304	34.550	3.0	27.158	1.593
750	6.021	34.549	4.0	27.194	1.643
800	5.721	34.551	3.9	27.233	1.690
900	5.091	34.552	9.9	27.310	1.781
1000	4.585	34.557	18.6	27.371	1.864
1500	3.133	34.598	54.9	27.552	2.224
2000	2.158	34.638	90.2	27.669	2.515
2500	1.705	34.663	108.1	27.724	2.761
3000	1.480	34.672	119.7	27.749	2.995
3500	1.265	34.682	133.9	27.772	3.222
3545	1.252	34.683	136.2	27.773	3.242

CAST CG3-94-DI -171 DATE 20 APR 94 TIME 1244 GMT

LAT 12 00.1N LONG 110 00.0W



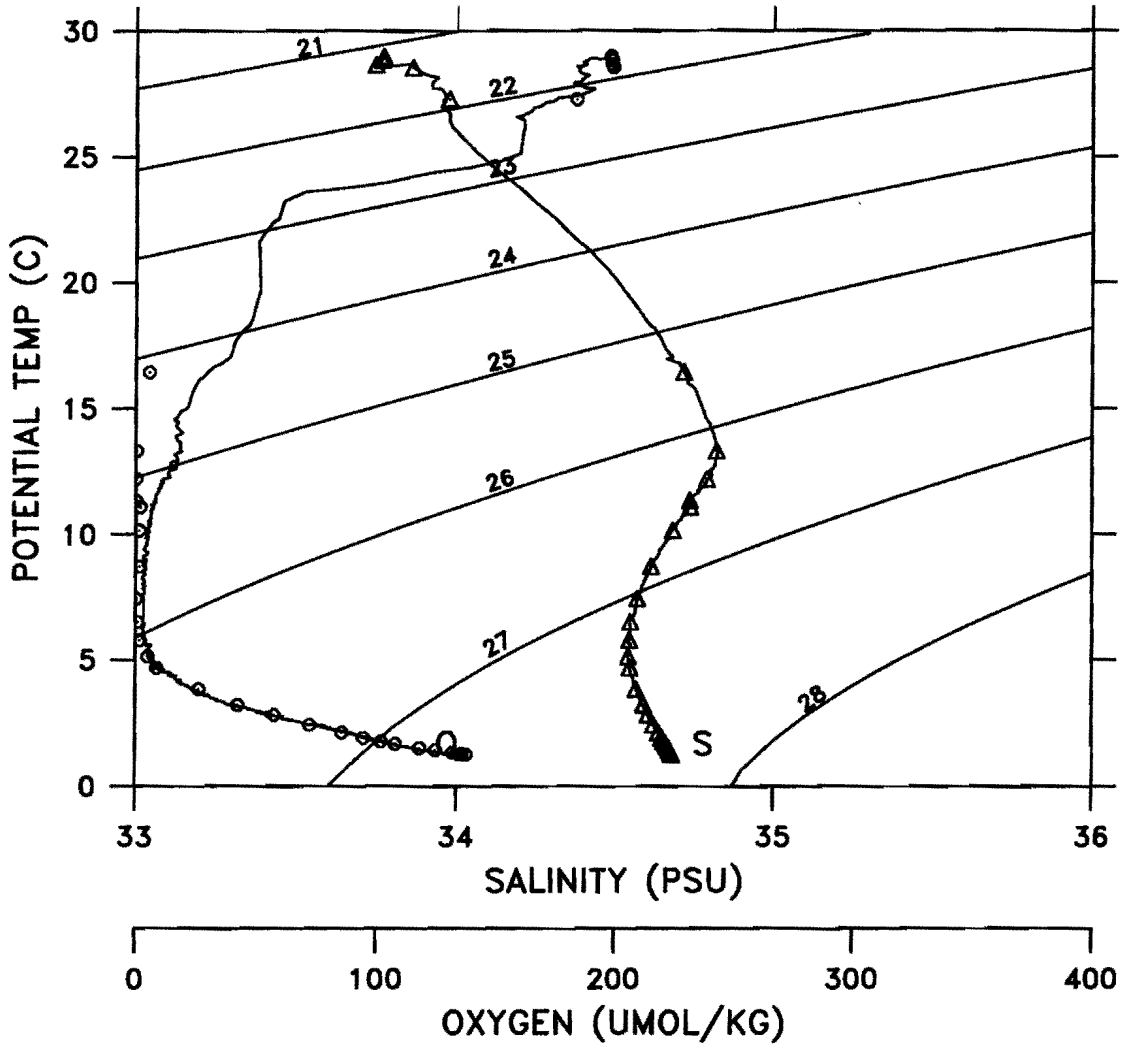


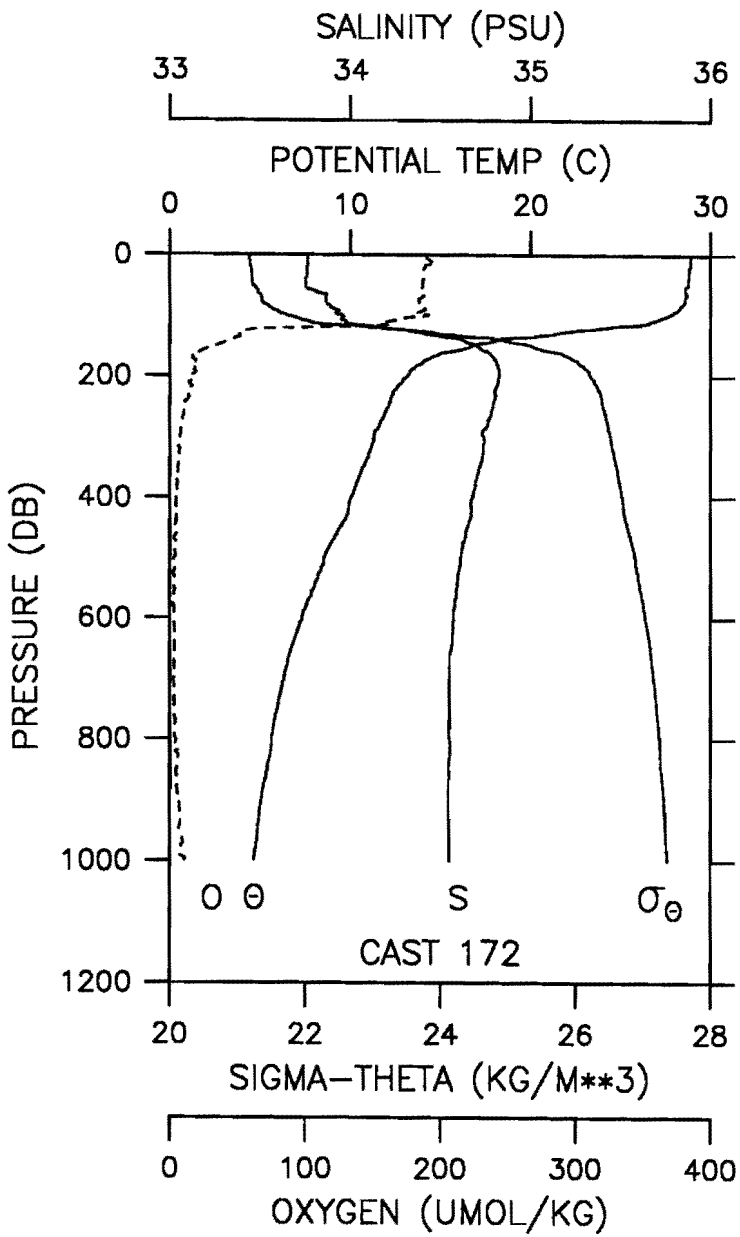
CAST CG3-94-DI -171 DATE 20 APR 94 TIME 1244 GMT
LAT 12 00.1N LONG 110 00.0W WEATHER 0 SEA STATE 3
BAROMETER 10 WIND DIR 070 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 28.5 WET 24.8 DEPTH 3300 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	28.951	33.844	204.3	21.215	0.000
10	28.956	33.844	204.9	21.213	0.066
20	28.954	33.844	204.5	21.214	0.131
30	28.955	33.844	203.5	21.214	0.197
40	28.939	33.845	203.1	21.220	0.263
50	28.912	33.848	202.7	21.231	0.329
60	28.907	33.849	199.4	21.234	0.394
70	28.900	33.852	200.4	21.238	0.460
80	28.810	33.842	210.2	21.260	0.526
90	26.902	33.789	176.5	21.839	0.589
100	25.801	33.851	159.2	22.230	0.647
110	25.173	33.938	148.2	22.488	0.702
120	22.660	34.247	78.7	23.461	0.751
130	20.933	34.435	56.5	24.083	0.793
140	19.461	34.552	50.9	24.561	0.830
150	17.087	34.682	38.1	25.250	0.859
160	15.739	34.746	25.7	25.612	0.885
170	14.733	34.779	11.4	25.860	0.908
180	14.053	34.805	12.5	26.026	0.929
190	13.564	34.824	12.5	26.142	0.948
200	13.245	34.829	11.9	26.211	0.967
250	12.330	34.802	7.3	26.372	1.055
300	11.432	34.760	4.4	26.510	1.137
350	10.658	34.718	4.1	26.617	1.215
400	9.840	34.663	4.0	26.717	1.287
450	9.284	34.630	4.4	26.783	1.357
500	8.543	34.592	2.5	26.871	1.422
550	7.708	34.560	3.6	26.972	1.483
600	7.144	34.550	2.8	27.045	1.540
650	6.646	34.543	2.5	27.108	1.594
700	6.356	34.545	3.5	27.147	1.646
750	6.037	34.545	3.2	27.188	1.696
800	5.682	34.537	3.7	27.227	1.744
900	5.052	34.542	7.0	27.306	1.834
1000	4.607	34.550	13.4	27.364	1.918
1500	3.026	34.600	51.8	27.563	2.276
2000	2.094	34.642	91.9	27.677	2.560
2500	1.719	34.661	107.2	27.722	2.807
3000	1.483	34.673	120.4	27.749	3.041
3246	1.345	34.679	130.8	27.763	3.153

CAST CG3-94-DI -172 DATE 20 APR 94 TIME 1926 GMT

LAT 12 40.0N LONG 110 00.0W



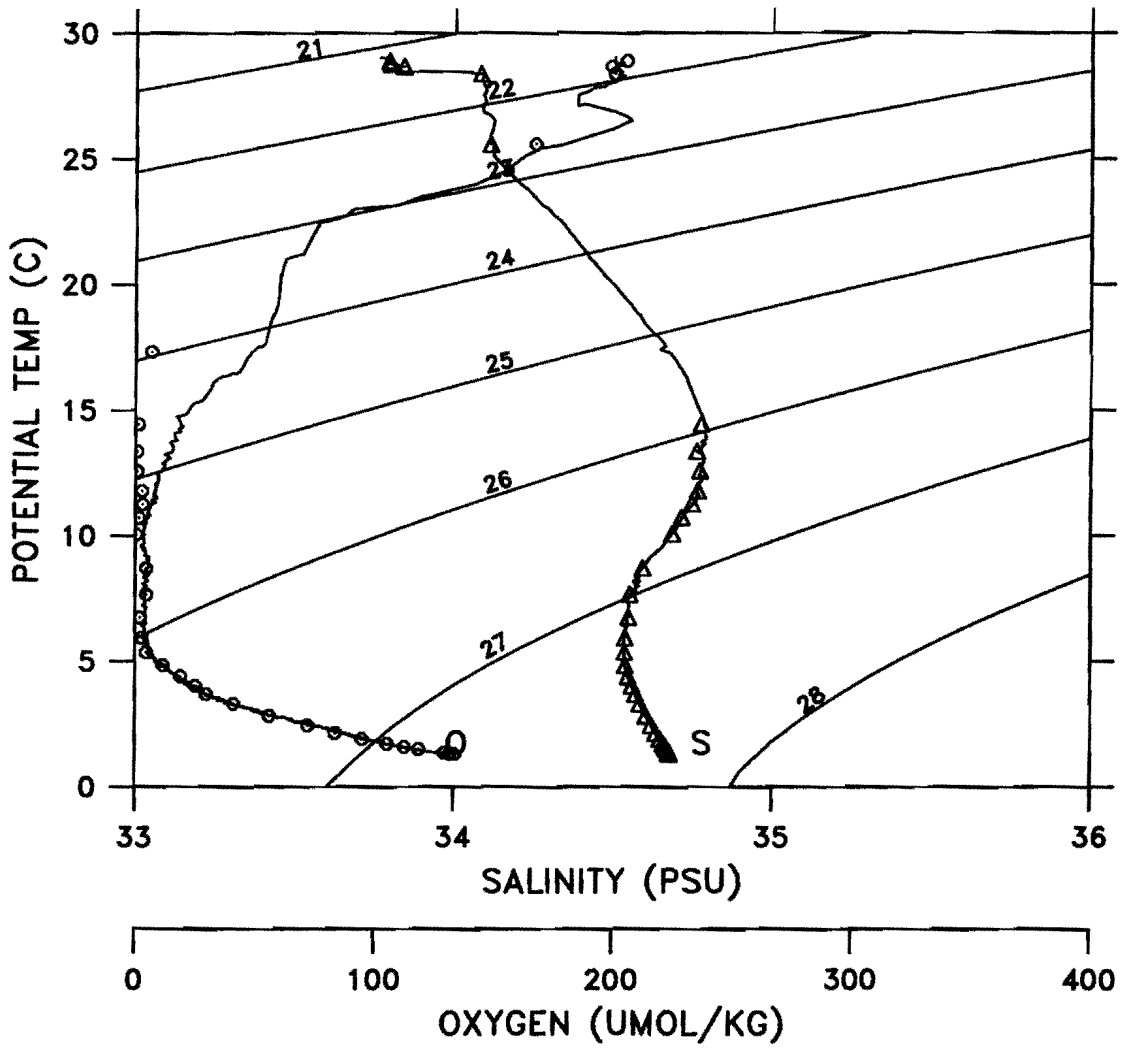


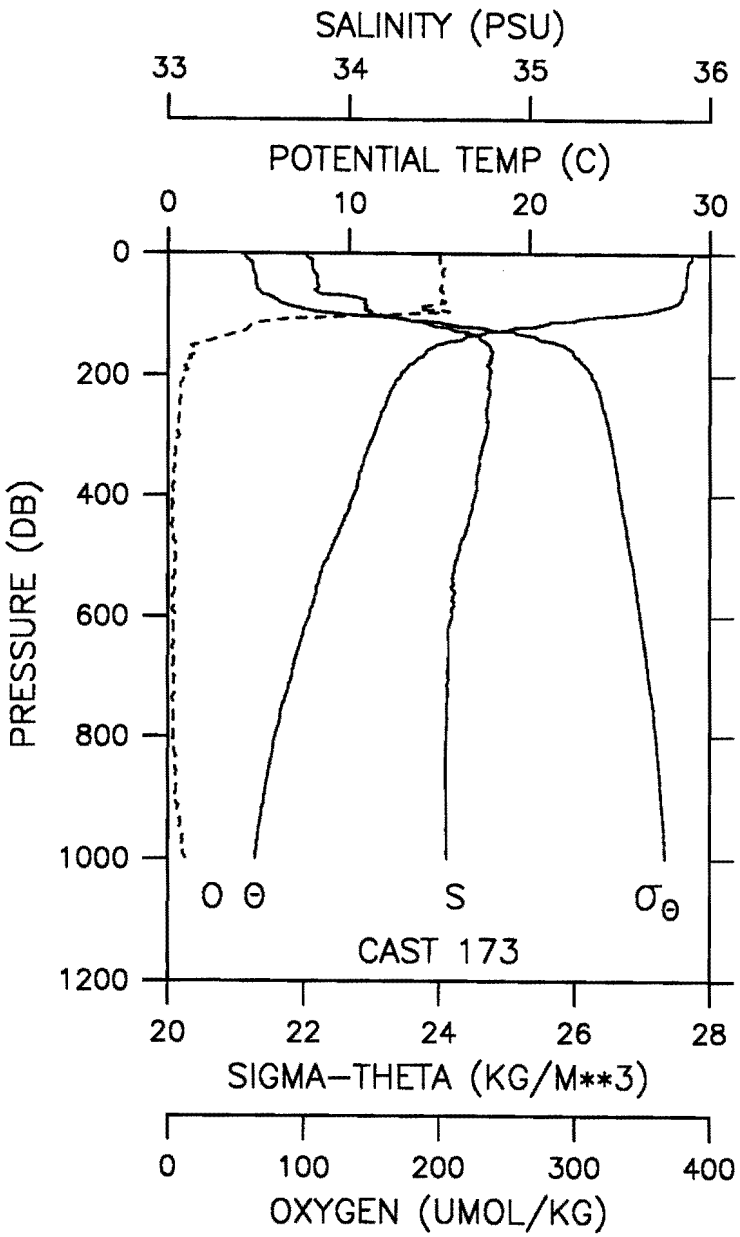
CAST CG3-94-DI -172 DATE 20 APR 94 TIME 1926 GMT
LAT 12 40.0N LONG 110 00.0W WEATHER 1 SEA STATE 2
BAROMETER 11 WIND DIR 065 T SPD 12 KT VISIBILITY 7
CLOUD 7 AMOUNT 3 DRY 31.8 WET 26.2 DEPTH 4157 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	28.918	33.763	189.6	21.165	0.000
10	28.878	33.762	192.9	21.178	0.066
20	28.824	33.761	188.5	21.195	0.132
30	28.805	33.760	187.9	21.200	0.198
40	28.764	33.752	187.3	21.208	0.264
50	28.714	33.750	186.8	21.223	0.330
60	28.630	33.813	186.7	21.298	0.395
70	28.586	33.865	185.7	21.351	0.460
80	28.496	33.870	185.0	21.385	0.525
90	28.203	33.918	188.2	21.517	0.589
100	27.606	33.955	189.6	21.739	0.651
110	26.606	33.976	160.2	22.074	0.710
120	23.735	34.200	85.1	23.115	0.764
130	21.184	34.427	51.2	24.010	0.807
140	18.191	34.624	45.2	24.938	0.841
150	16.730	34.703	33.8	25.351	0.870
160	15.367	34.765	22.4	25.710	0.895
170	14.444	34.795	17.5	25.935	0.917
180	13.936	34.812	16.7	26.056	0.937
190	13.366	34.824	18.1	26.183	0.956
200	13.189	34.824	15.9	26.219	0.975
250	12.127	34.791	10.4	26.403	1.062
300	11.301	34.739	7.5	26.518	1.143
350	10.679	34.713	6.0	26.610	1.221
400	10.035	34.675	5.1	26.692	1.294
450	9.408	34.647	3.5	26.776	1.364
500	8.516	34.610	3.5	26.889	1.430
550	7.994	34.590	3.1	26.953	1.491
600	7.334	34.572	3.3	27.035	1.549
650	6.732	34.561	3.4	27.110	1.603
700	6.332	34.550	3.0	27.155	1.654
750	5.947	34.550	3.2	27.204	1.703
800	5.630	34.548	4.5	27.242	1.750
900	5.061	34.544	5.3	27.307	1.840
1000	4.645	34.550	10.3	27.359	1.925
1500	3.025	34.598	49.0	27.562	2.284
2000	2.115	34.640	89.6	27.674	2.569
2500	1.735	34.661	103.8	27.721	2.817
3000	1.517	34.671	114.7	27.745	3.054
3500	1.302	34.681	128.6	27.768	3.283
4000	1.265	34.683	133.7	27.772	3.513
4233	1.262	34.683	129.3	27.772	3.623

CAST CG3-94-DI -173 DATE 21 APR 94 TIME 0310 GMT

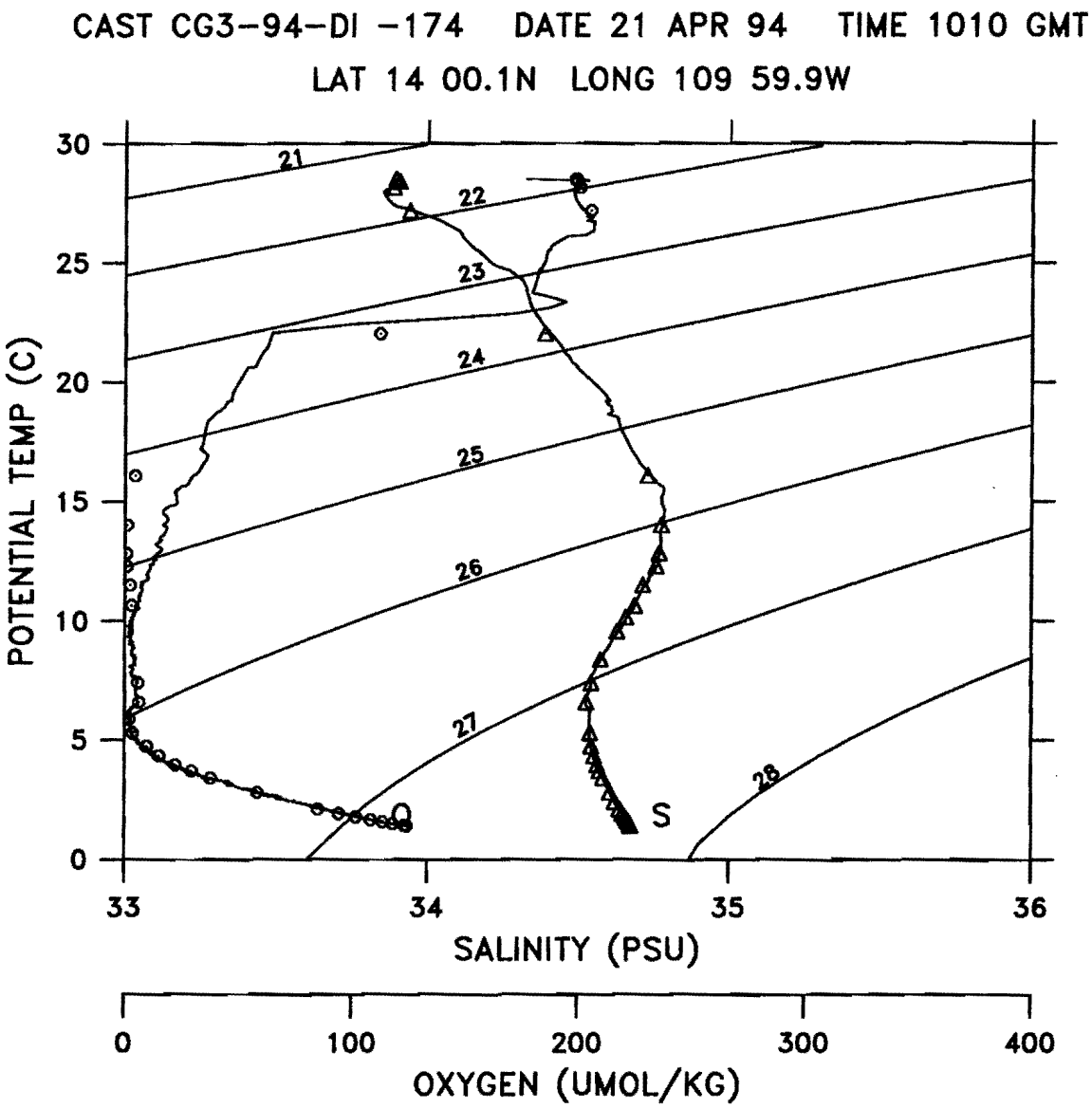
LAT 13 20.0N LONG 109 59.9W

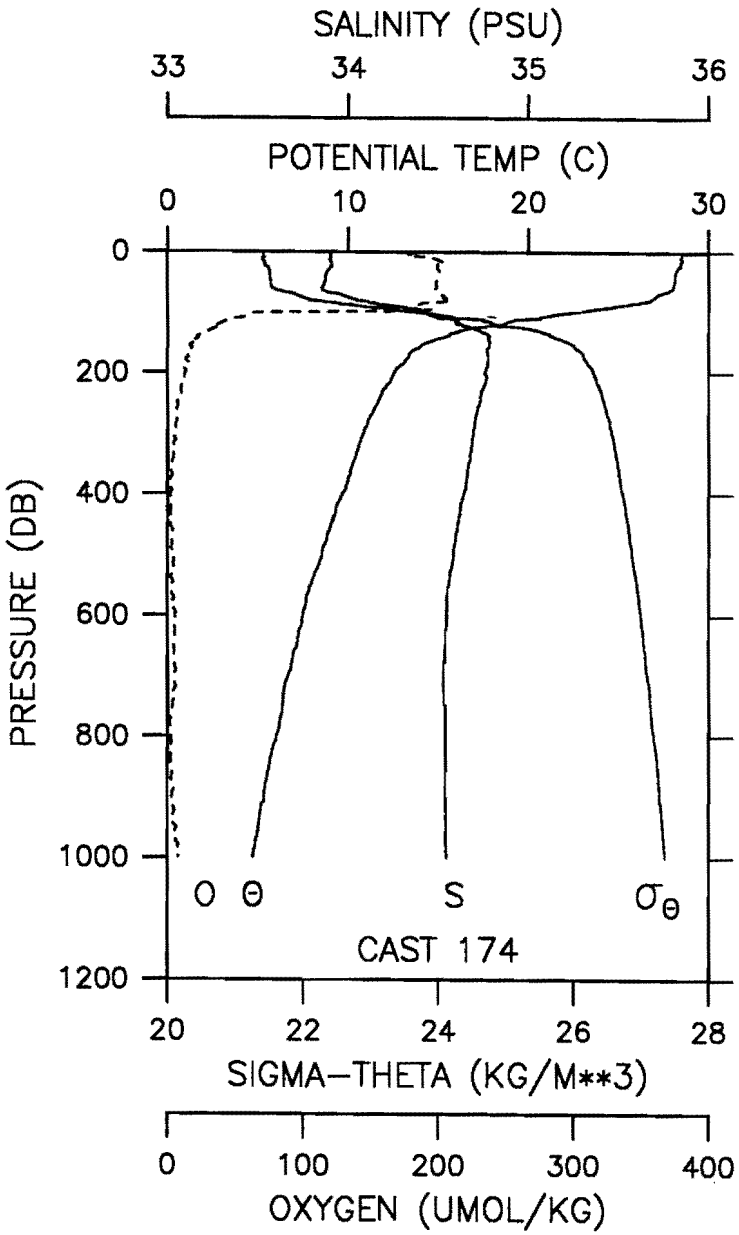




CAST CG3-94-DI -173 DATE 21 APR 94 TIME 0310 GMT
LAT 13 20.0N LONG 109 59.9W WEATHER 1 SEA STATE 2
BAROMETER 12 WIND DIR 075 T SPD 06 KT VISIBILITY 8
CLOUD 6 AMOUNT 4 DRY 28.5 WET 25.0 DEPTH 4100 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	29.022	33.765	200.3	21.132	0.000
10	28.937	33.798	200.3	21.185	0.066
20	28.773	33.795	203.6	21.237	0.132
30	28.741	33.804	202.0	21.254	0.198
40	28.696	33.822	202.6	21.283	0.263
50	28.682	33.824	202.0	21.289	0.328
60	28.507	33.808	201.0	21.335	0.393
70	28.461	34.004	202.0	21.497	0.457
80	28.211	34.086	204.0	21.641	0.520
90	27.118	34.086	184.8	21.994	0.580
100	25.119	34.122	162.6	22.643	0.636
110	22.485	34.337	76.7	23.580	0.683
120	19.966	34.503	59.9	24.393	0.721
130	17.525	34.663	51.1	25.131	0.753
140	16.317	34.729	35.5	25.467	0.780
150	14.807	34.778	20.0	25.844	0.804
160	14.282	34.794	18.6	25.969	0.825
170	13.976	34.790	16.3	26.030	0.846
180	13.507	34.777	15.7	26.118	0.865
190	13.113	34.785	14.1	26.204	0.884
200	12.870	34.781	11.7	26.250	0.903
250	12.013	34.767	8.9	26.406	0.989
300	11.351	34.758	8.2	26.523	1.070
350	10.730	34.721	5.3	26.607	1.147
400	10.246	34.698	3.7	26.674	1.221
450	9.575	34.657	2.7	26.756	1.292
500	8.861	34.602	5.4	26.829	1.359
550	8.199	34.568	4.6	26.905	1.423
600	7.786	34.571	3.2	26.969	1.484
650	7.250	34.553	3.1	27.032	1.542
700	6.821	34.547	4.7	27.087	1.597
750	6.269	34.541	4.0	27.155	1.649
800	5.880	34.538	3.9	27.203	1.699
900	5.273	34.537	7.2	27.277	1.792
1000	4.798	34.541	12.8	27.335	1.879
1500	3.112	34.595	48.2	27.551	2.246
2000	2.145	34.637	86.5	27.669	2.534
2500	1.701	34.661	105.4	27.723	2.783
3000	1.517	34.671	116.2	27.745	3.019
3500	1.365	34.678	125.6	27.762	3.251
4000	1.309	34.680	130.8	27.767	3.485
4148	1.307	34.680	134.4	27.767	3.555


CAST CG3-94-DI -174 DATE 21 APR 94 TIME 1010 GMT
LAT 14 00.1N LONG 109 59.9W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
21
22
23
24
25
26
27
28
Q
S
30
25
20
15
10
5
0
33
34
35
36
0
100
200
300
400

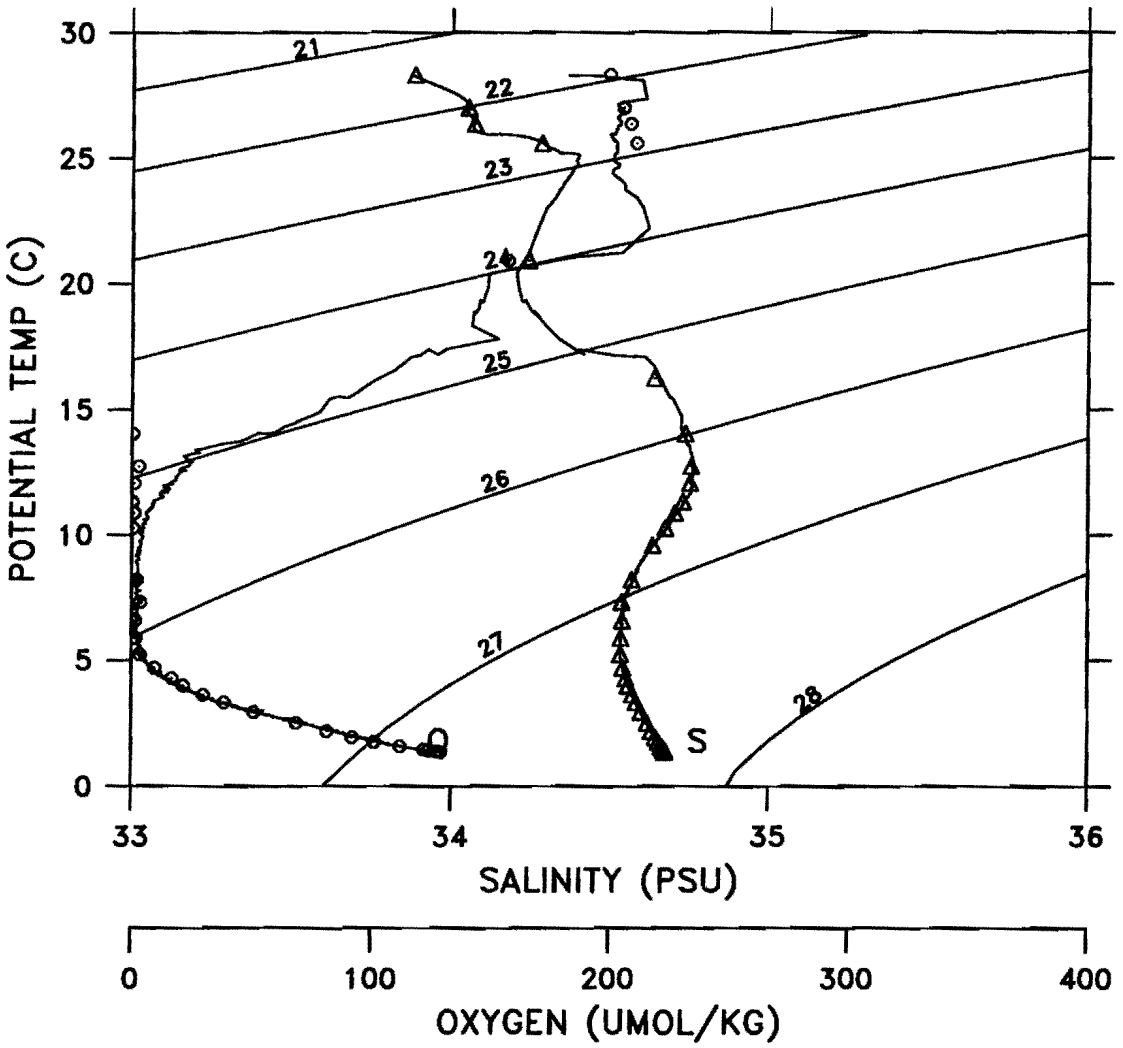


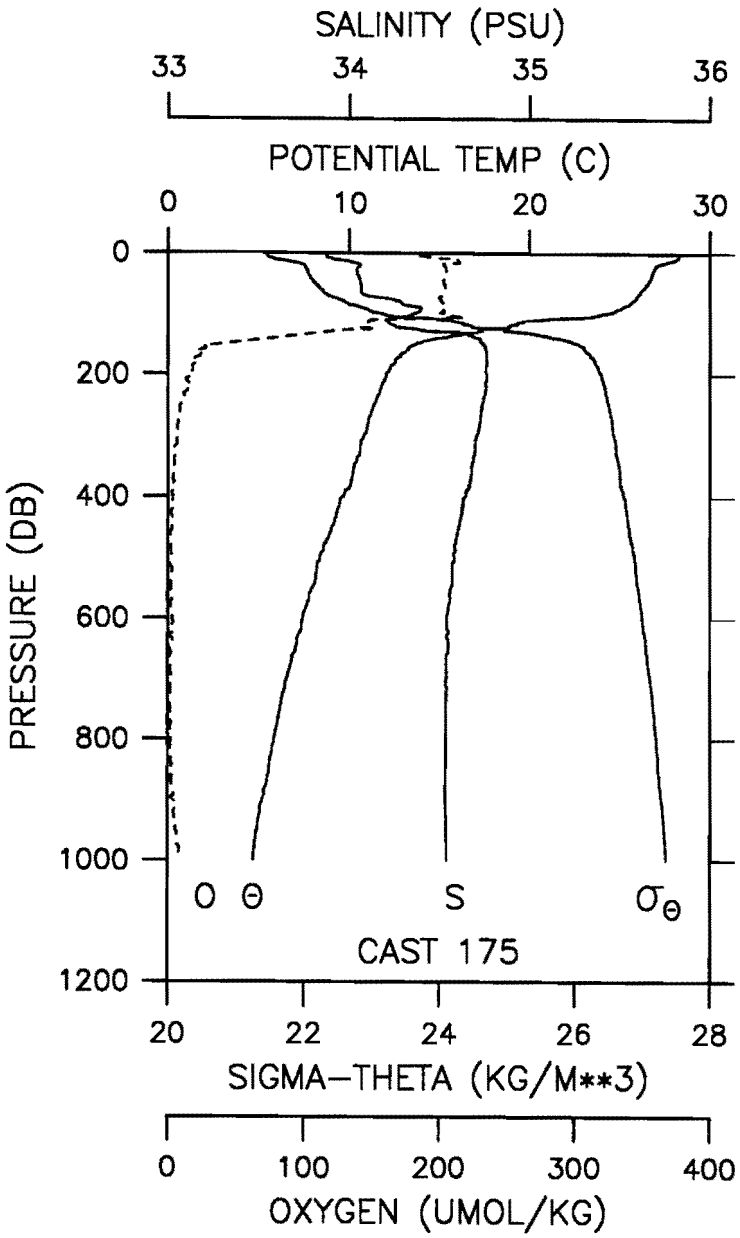
CAST CG3-94-DI -174 DATE 21 APR 94 TIME 1010 GMT
LAT 14 00.1N LONG 109 59.9W WEATHER 0 SEA STATE 2
BAROMETER 10 WIND DIR 030 T SPD 06 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 27.3 WET 24.0 DEPTH 3284 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	28.517	33.905	184.1	21.404	0.000
10	28.484	33.902	196.6	21.413	0.064
20	28.439	33.906	199.8	21.431	0.128
30	28.221	33.890	200.4	21.490	0.191
40	28.134	33.874	199.3	21.507	0.254
50	28.095	33.869	198.2	21.516	0.317
60	27.972	33.851	197.8	21.542	0.380
70	27.147	33.956	202.6	21.887	0.441
80	26.725	34.045	206.8	22.088	0.500
90	24.678	34.269	182.2	22.888	0.553
100	22.071	34.405	64.2	23.747	0.599
110	19.578	34.583	46.9	24.555	0.638
120	18.467	34.632	36.9	24.875	0.670
130	16.160	34.736	31.2	25.509	0.698
140	15.391	34.783	21.6	25.719	0.722
150	14.322	34.784	18.4	25.952	0.744
160	13.776	34.773	17.8	26.059	0.764
170	13.370	34.776	16.2	26.145	0.783
180	13.168	34.776	13.6	26.186	0.802
190	12.807	34.772	13.7	26.256	0.821
200	12.535	34.759	13.1	26.299	0.838
250	11.617	34.730	7.2	26.452	0.923
300	10.842	34.696	6.6	26.568	1.002
350	10.245	34.668	3.8	26.651	1.077
400	9.666	34.640	2.0	26.728	1.148
450	9.034	34.608	2.0	26.806	1.216
500	8.552	34.585	3.7	26.864	1.281
550	7.908	34.557	3.3	26.940	1.343
600	7.479	34.547	5.3	26.994	1.402
650	7.139	34.540	4.6	27.037	1.459
700	6.667	34.527	5.4	27.092	1.514
750	6.356	34.534	3.7	27.139	1.566
800	6.018	34.539	2.7	27.186	1.617
900	5.321	34.540	3.2	27.273	1.711
1000	4.702	34.544	7.8	27.348	1.798
1500	3.112	34.596	45.2	27.553	2.166
2000	2.117	34.639	88.6	27.673	2.453
2500	1.714	34.662	106.5	27.723	2.701
3000	1.504	34.672	117.8	27.746	2.936
3317	1.419	34.675	122.1	27.755	3.084

CAST CG3-94-DI -175 DATE 21 APR 94 TIME 1521 GMT

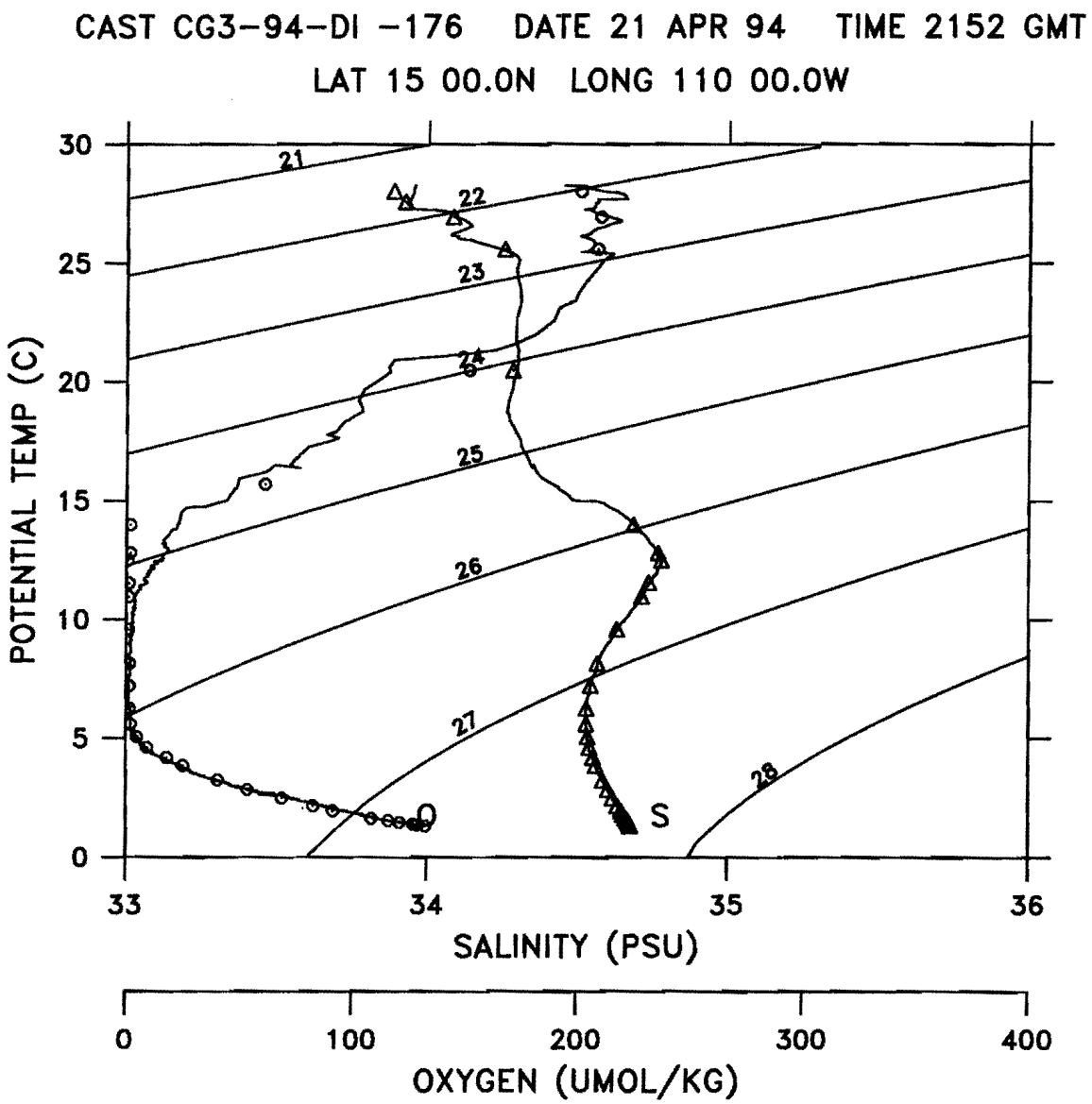
LAT 14 29.8N LONG 109 59.8W

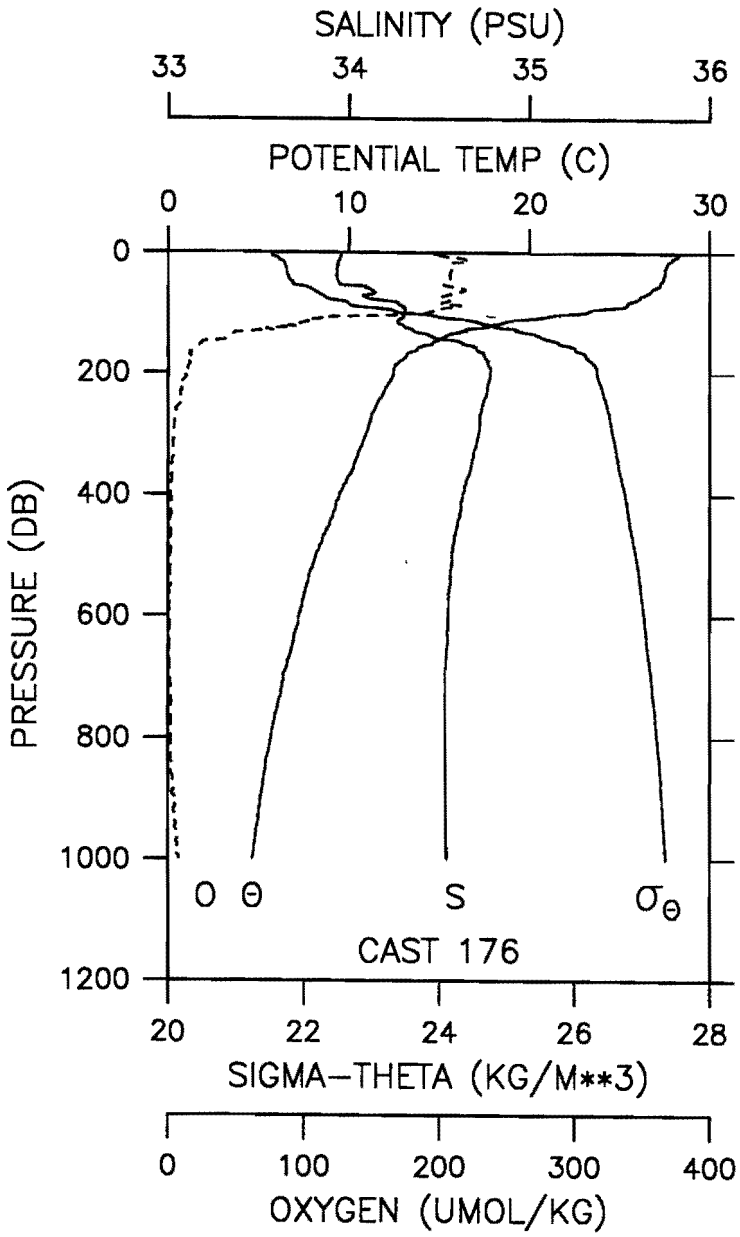




CAST CG3-94-DI -175 DATE 21 APR 94 TIME 1521 GMT
LAT 14 29.8N LONG 109 59.8W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 025 T SPD 07 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 27.8 WET 24.2 DEPTH 3724 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	28.281	33.875	192.1	21.459	0.000
10	28.068	33.914	213.2	21.558	0.063
20	27.015	34.062	203.6	22.009	0.123
30	26.837	34.044	205.4	22.052	0.181
40	26.732	34.054	203.9	22.092	0.239
50	26.522	34.061	203.5	22.163	0.296
60	26.261	34.066	202.6	22.249	0.352
70	25.970	34.098	201.9	22.364	0.408
80	25.677	34.282	201.8	22.594	0.461
90	25.118	34.401	201.4	22.854	0.513
100	23.969	34.352	205.9	23.162	0.562
110	20.399	34.202	148.9	24.049	0.606
120	18.875	34.254	143.4	24.484	0.642
130	17.078	34.610	116.0	25.197	0.674
140	14.917	34.718	78.5	25.774	0.699
150	13.675	34.742	41.0	26.056	0.720
160	13.235	34.758	24.9	26.159	0.740
170	12.866	34.761	23.5	26.235	0.758
180	12.538	34.764	20.1	26.302	0.776
190	12.271	34.758	18.4	26.349	0.793
200	12.054	34.761	15.3	26.394	0.810
250	11.355	34.737	9.4	26.506	0.891
300	10.809	34.707	6.0	26.582	0.969
350	10.262	34.679	4.4	26.657	1.043
400	9.604	34.639	3.6	26.737	1.115
450	9.041	34.608	3.0	26.805	1.183
500	8.381	34.582	2.7	26.888	1.247
550	7.955	34.564	2.3	26.938	1.309
600	7.436	34.542	3.3	26.997	1.368
650	7.061	34.550	0.9	27.056	1.425
700	6.560	34.539	1.8	27.115	1.478
750	6.209	34.538	1.8	27.161	1.530
800	5.876	34.536	2.3	27.202	1.579
900	5.210	34.535	3.5	27.282	1.673
1000	4.699	34.543	7.5	27.347	1.758
1500	3.178	34.591	41.9	27.542	2.126
2000	2.203	34.634	85.3	27.662	2.424
2500	1.637	34.664	109.7	27.730	2.673
3000	1.458	34.673	120.7	27.751	2.903
3500	1.371	34.678	126.5	27.761	3.133
3526	1.368	34.678	128.0	27.761	3.145


CAST CG3-94-DI -176 DATE 21 APR 94 TIME 2152 GMT
LAT 15 00.0N LONG 110 00.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
28
O
S
33
34
35
36
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

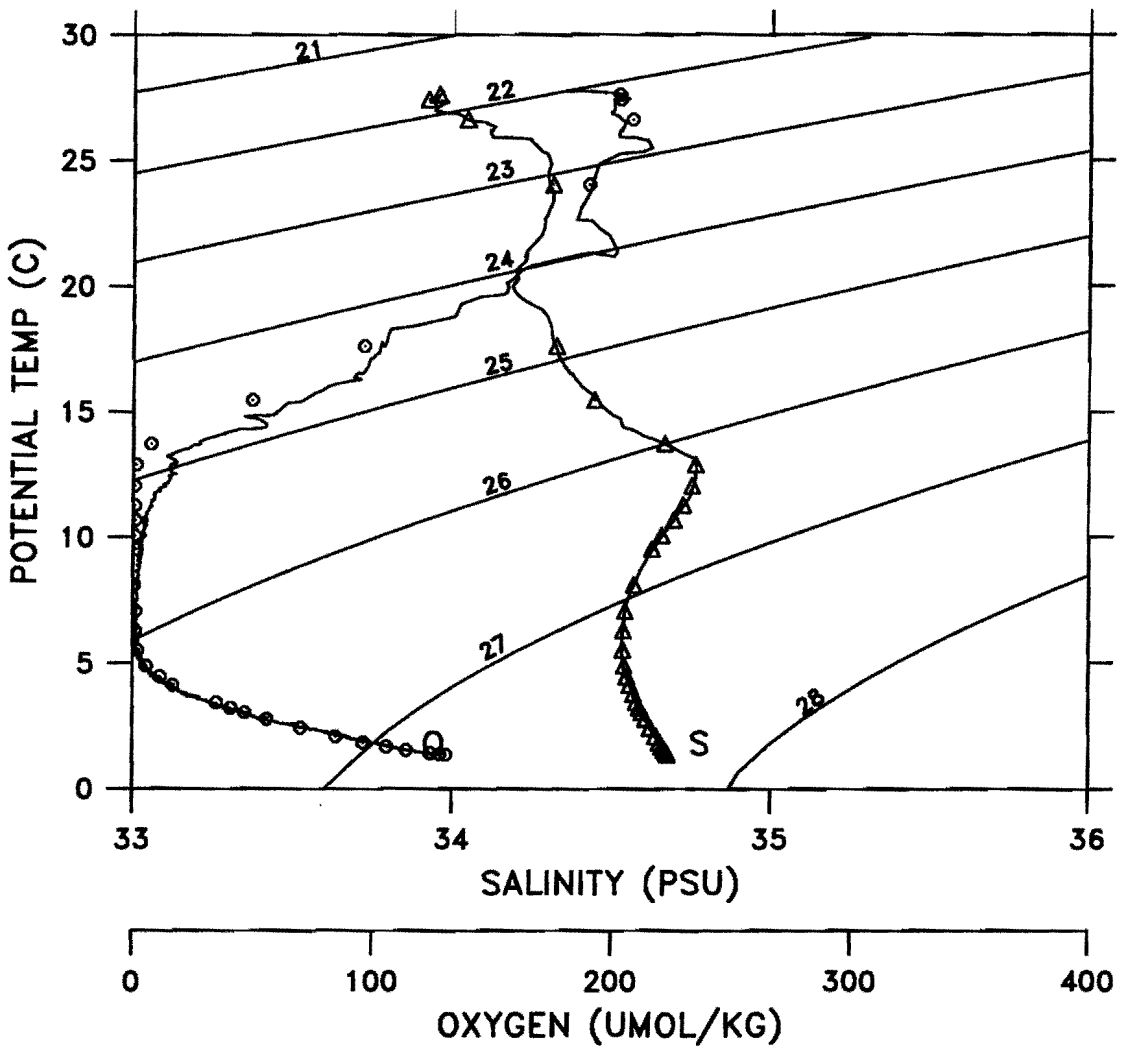


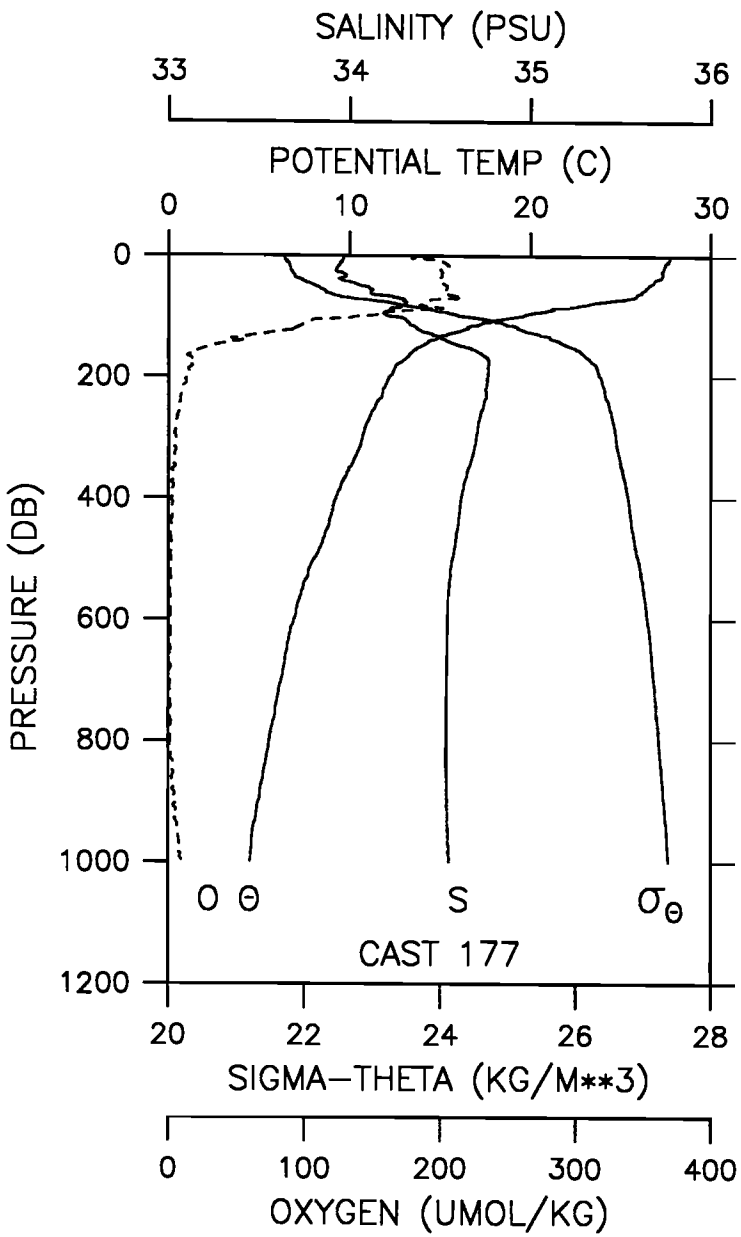
CAST CG3-94-DI -176 DATE 21 APR 94 TIME 2152 GMT
LAT 15 00.0N LONG 110 00.0W WEATHER 1 SEA STATE 2
BAROMETER 10 WIND DIR 010 T SPD 08 KT VISIBILITY 8
CLOUD 0 AMOUNT 5 DRY 27.2 WET 24.0 DEPTH 3792 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	28.260	33.956	202.3	21.527	0.000
10	27.934	33.950	218.4	21.629	0.062
20	27.635	33.938	208.7	21.717	0.124
30	27.542	33.934	208.8	21.744	0.184
40	27.460	33.930	207.7	21.767	0.245
50	27.275	33.944	205.6	21.837	0.305
60	26.843	34.114	217.5	22.102	0.364
70	26.345	34.105	206.4	22.253	0.421
80	25.696	34.212	206.9	22.535	0.476
90	25.138	34.304	211.6	22.775	0.528
100	23.046	34.303	191.2	23.394	0.576
110	20.074	34.287	111.7	24.200	0.616
120	17.891	34.294	92.4	24.759	0.651
130	16.501	34.353	65.2	25.136	0.681
140	15.294	34.463	45.7	25.494	0.707
150	14.619	34.626	25.2	25.767	0.731
160	13.778	34.706	20.5	26.007	0.753
170	13.179	34.745	15.7	26.160	0.772
180	12.795	34.765	17.4	26.253	0.791
190	12.518	34.782	14.9	26.320	0.809
200	12.452	34.783	13.6	26.334	0.826
250	11.555	34.742	9.1	26.473	0.910
300	10.936	34.717	3.7	26.567	0.988
350	10.267	34.676	2.5	26.654	1.063
400	9.473	34.629	2.0	26.751	1.134
450	8.911	34.600	1.6	26.820	1.201
500	8.165	34.569	1.6	26.911	1.264
550	7.655	34.559	1.7	26.978	1.324
600	7.222	34.548	1.0	27.032	1.381
650	6.869	34.542	1.1	27.076	1.436
700	6.366	34.532	0.8	27.136	1.489
750	6.028	34.531	1.9	27.179	1.539
800	5.688	34.532	1.9	27.222	1.588
900	5.088	34.535	4.3	27.297	1.679
1000	4.644	34.541	7.4	27.352	1.764
1500	3.056	34.594	44.9	27.556	2.124
2000	2.132	34.637	87.2	27.671	2.412
2500	1.686	34.661	108.3	27.724	2.661
3000	1.471	34.673	121.9	27.750	2.894
3500	1.379	34.678	127.6	27.760	3.124
3813	1.322	34.680	133.4	27.766	3.270

CAST CG3-94-DI -177 DATE 22 APR 94 TIME 0359 GMT

LAT 15 29.8N LONG 109 59.7W



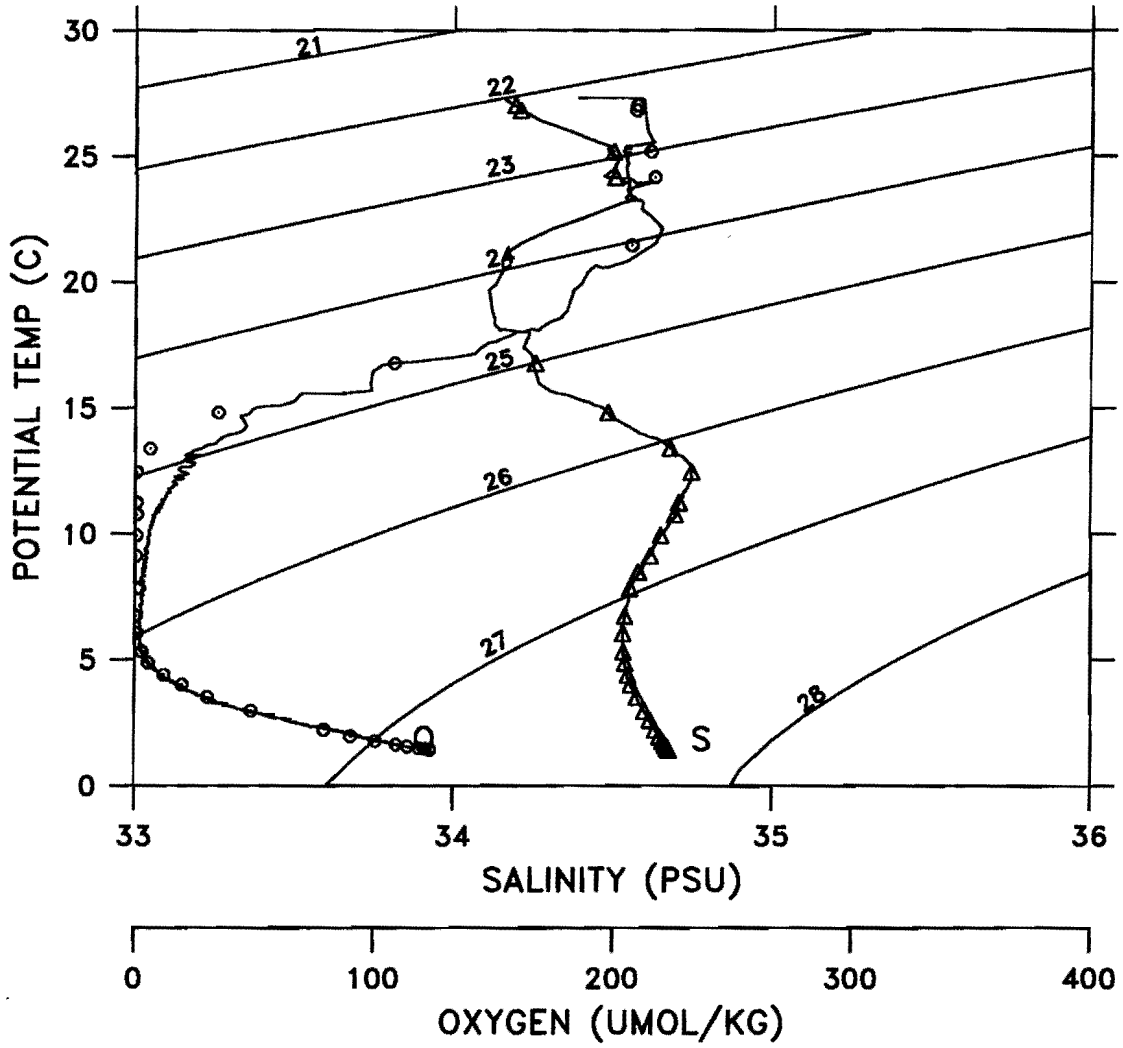


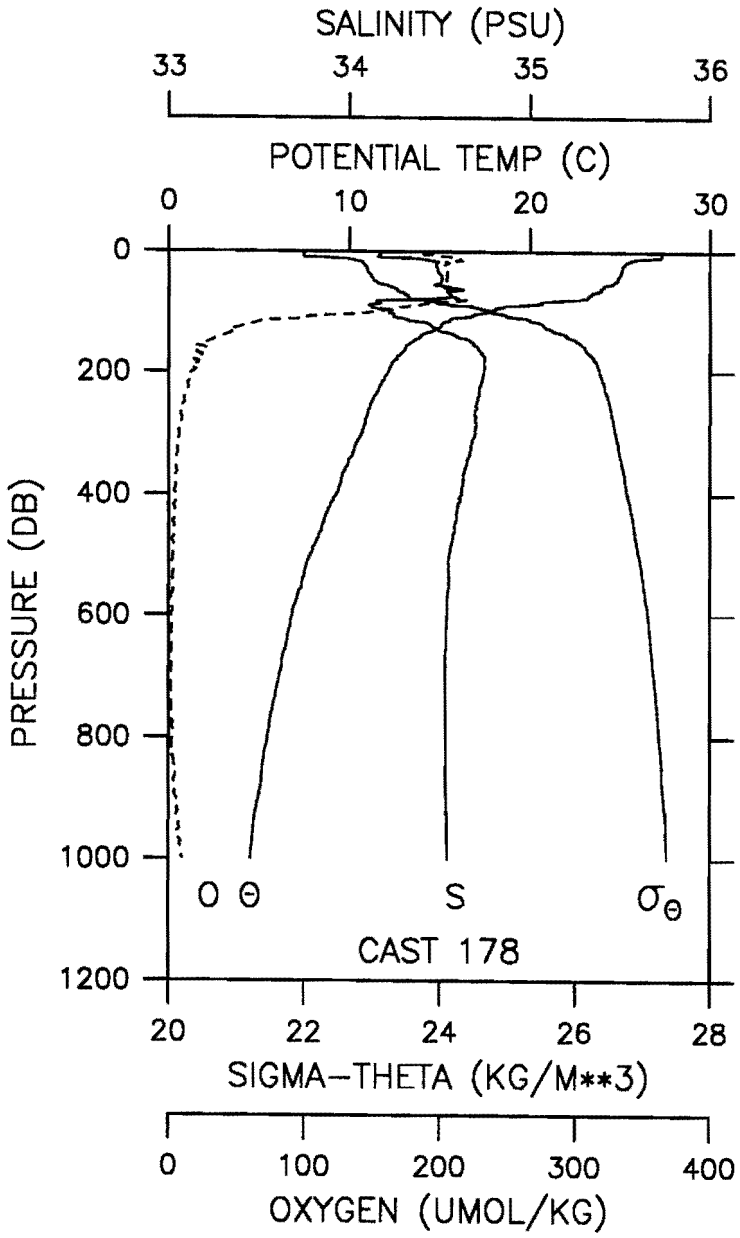
CAST CG3–94–DI –177 DATE 22 APR 94 TIME 0359 GMT
LAT 15 29.8N LONG 109 59.7W WEATHER 1 SEA STATE 8
BAROMETER 12 WIND DIR 030 T SPD 06 KT VISIBILITY 8
CLOUD 8 AMOUNT 6 DRY 26.5 WET 24.0 DEPTH 3739 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG–TH	DELTA–D (DYN–M)
0	27.734	33.966	182.3	21.706	0.000
10	27.646	33.959	202.1	21.729	0.061
20	27.396	33.928	199.9	21.786	0.121
30	27.354	33.969	201.0	21.831	0.181
40	26.915	33.958	199.0	21.962	0.241
50	26.526	34.073	205.1	22.172	0.298
60	26.190	34.114	202.6	22.308	0.354
70	25.332	34.276	212.4	22.695	0.408
80	23.129	34.303	186.4	23.370	0.456
90	20.957	34.222	172.9	23.915	0.499
100	19.284	34.241	136.5	24.370	0.537
110	17.359	34.328	102.5	24.914	0.570
120	16.502	34.371	92.8	25.149	0.599
130	15.365	34.459	66.8	25.475	0.626
140	14.387	34.535	54.9	25.746	0.650
150	13.897	34.632	29.7	25.925	0.672
160	13.373	34.718	17.2	26.100	0.693
170	13.067	34.762	17.2	26.195	0.712
180	12.541	34.766	16.4	26.303	0.730
190	12.421	34.765	14.9	26.326	0.747
200	12.176	34.760	14.2	26.370	0.764
250	11.394	34.736	7.8	26.498	0.847
300	10.716	34.699	5.9	26.593	0.924
350	9.964	34.653	4.2	26.688	0.997
400	9.237	34.616	2.4	26.780	1.066
450	8.789	34.596	2.6	26.836	1.132
500	8.069	34.568	2.1	26.925	1.195
550	7.414	34.548	1.1	27.005	1.254
600	6.918	34.540	1.4	27.068	1.309
650	6.549	34.538	1.7	27.116	1.362
700	6.233	34.536	1.1	27.156	1.413
750	5.906	34.533	0.8	27.196	1.462
800	5.558	34.533	1.5	27.239	1.510
900	4.959	34.536	5.0	27.313	1.599
1000	4.494	34.547	9.0	27.374	1.682
1500	3.048	34.595	45.4	27.558	2.038
2000	2.139	34.637	86.8	27.670	2.324
2500	1.700	34.660	106.4	27.723	2.571
3000	1.472	34.673	120.1	27.750	2.804
3500	1.377	34.678	126.7	27.760	3.036
3790	1.368	34.678	125.5	27.761	3.172

CAST CG3-94-DI -178 DATE 22 APR 94 TIME 0939 GMT

LAT 16 00.1N LONG 110 00.0W



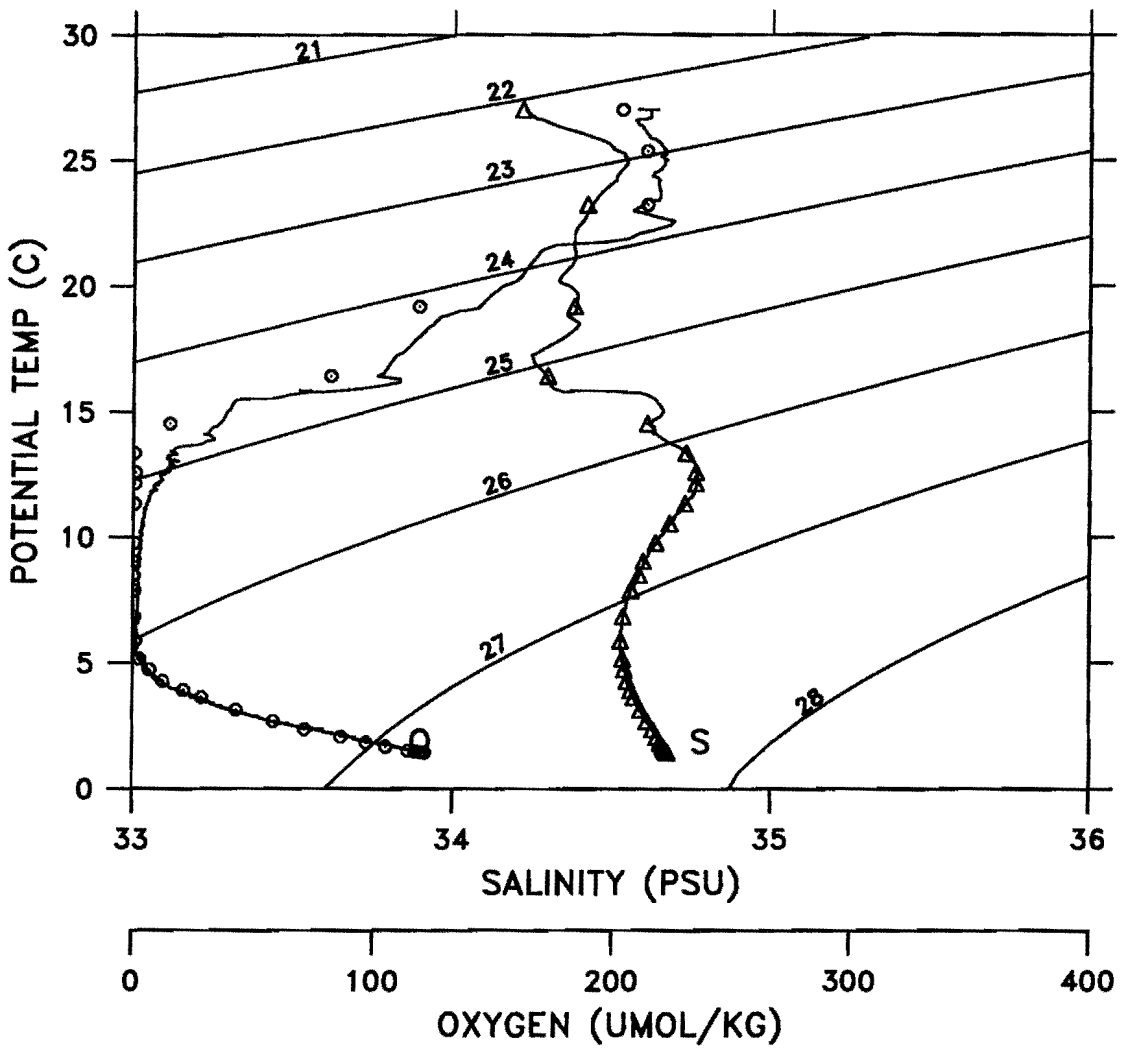


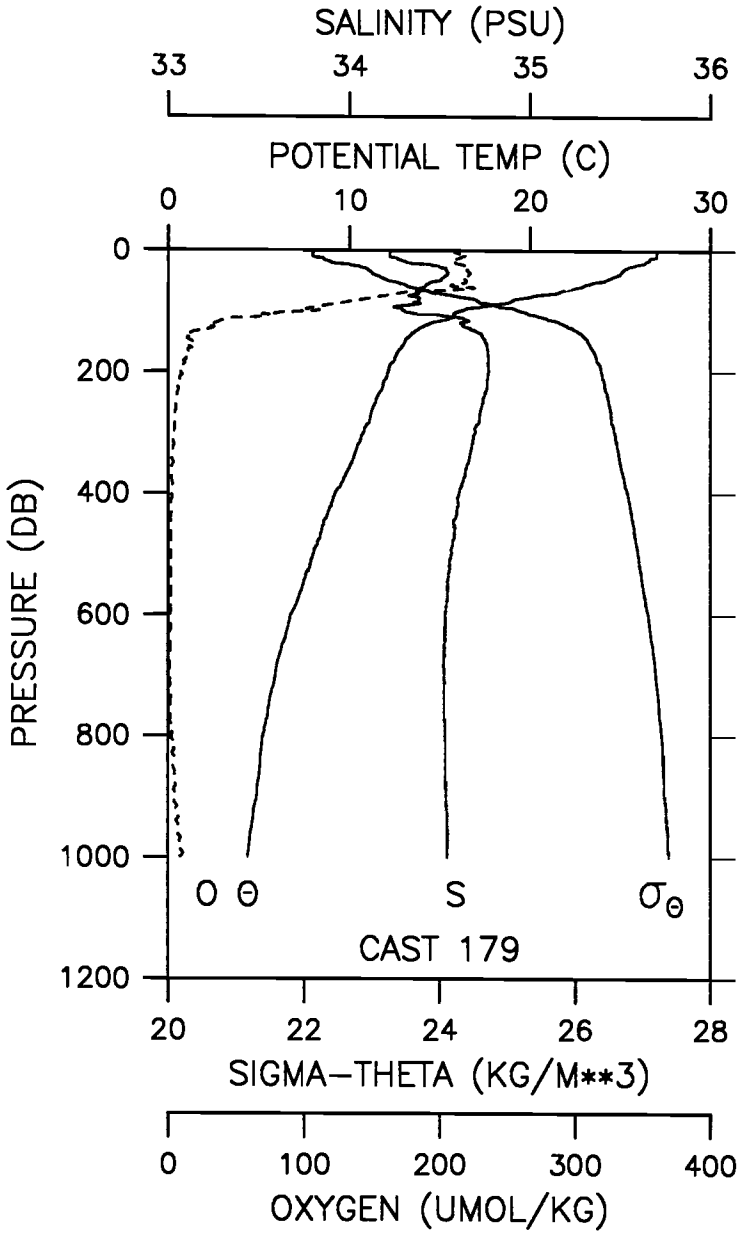
CAST CG3-94-DI -178 DATE 22 APR 94 TIME 0939 GMT
LAT 16 00.1N LONG 110 00.0W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 005 T SPD 04 KT VISIBILITY 9
CLOUD 8 AMOUNT 2 DRY 25.2 WET 22.5 DEPTH 3307 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.312	34.174	196.2	21.998	0.000
10	26.425	34.262	213.1	22.346	0.058
20	25.286	34.479	204.8	22.862	0.109
30	25.098	34.487	205.5	22.926	0.159
40	24.945	34.509	205.4	22.989	0.208
50	24.697	34.507	205.8	23.062	0.257
60	23.979	34.564	203.8	23.319	0.304
70	23.419	34.551	205.7	23.474	0.349
80	22.122	34.307	220.1	23.659	0.392
90	18.839	34.119	180.1	24.390	0.432
100	17.634	34.223	150.6	24.767	0.466
110	15.964	34.265	98.3	25.191	0.496
120	15.109	34.436	61.4	25.514	0.522
130	14.671	34.488	43.8	25.650	0.547
140	13.951	34.592	40.4	25.883	0.569
150	13.458	34.677	29.0	26.050	0.590
160	13.111	34.708	27.5	26.145	0.609
170	12.825	34.735	23.7	26.223	0.628
180	12.521	34.747	18.4	26.293	0.646
190	12.272	34.746	17.6	26.340	0.664
200	12.148	34.744	17.8	26.362	0.681
250	11.209	34.705	11.8	26.508	0.763
300	10.653	34.694	7.8	26.600	0.840
350	9.936	34.648	5.9	26.689	0.913
400	9.293	34.622	5.4	26.775	0.982
450	8.524	34.583	4.4	26.867	1.047
500	7.851	34.553	3.4	26.945	1.108
550	7.355	34.550	3.0	27.014	1.166
600	6.824	34.541	2.1	27.081	1.221
650	6.476	34.534	2.1	27.123	1.273
700	6.109	34.531	2.2	27.169	1.324
750	5.766	34.531	2.3	27.212	1.372
800	5.465	34.531	2.7	27.248	1.419
900	4.959	34.535	5.8	27.311	1.508
1000	4.515	34.543	9.9	27.368	1.591
1500	2.971	34.598	47.4	27.567	1.944
2000	2.096	34.638	89.3	27.674	2.228
2500	1.638	34.664	109.2	27.730	2.472
3000	1.467	34.673	119.6	27.750	2.702
3309	1.427	34.676	121.1	27.755	2.845

CAST CG3-94-DI -179 DATE 22 APR 94 TIME 1521 GMT

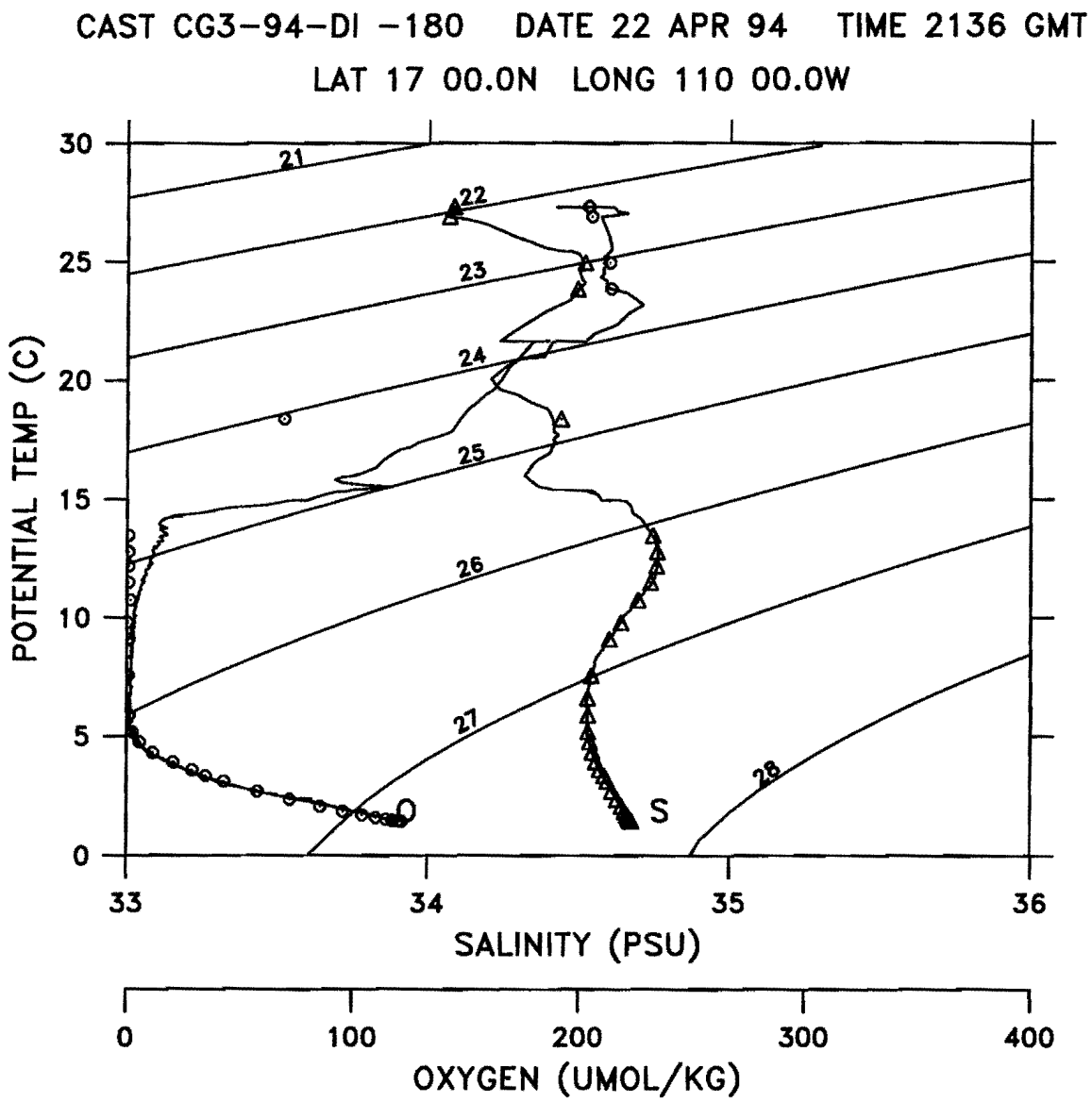
LAT 16 29.9N LONG 110 00.1W

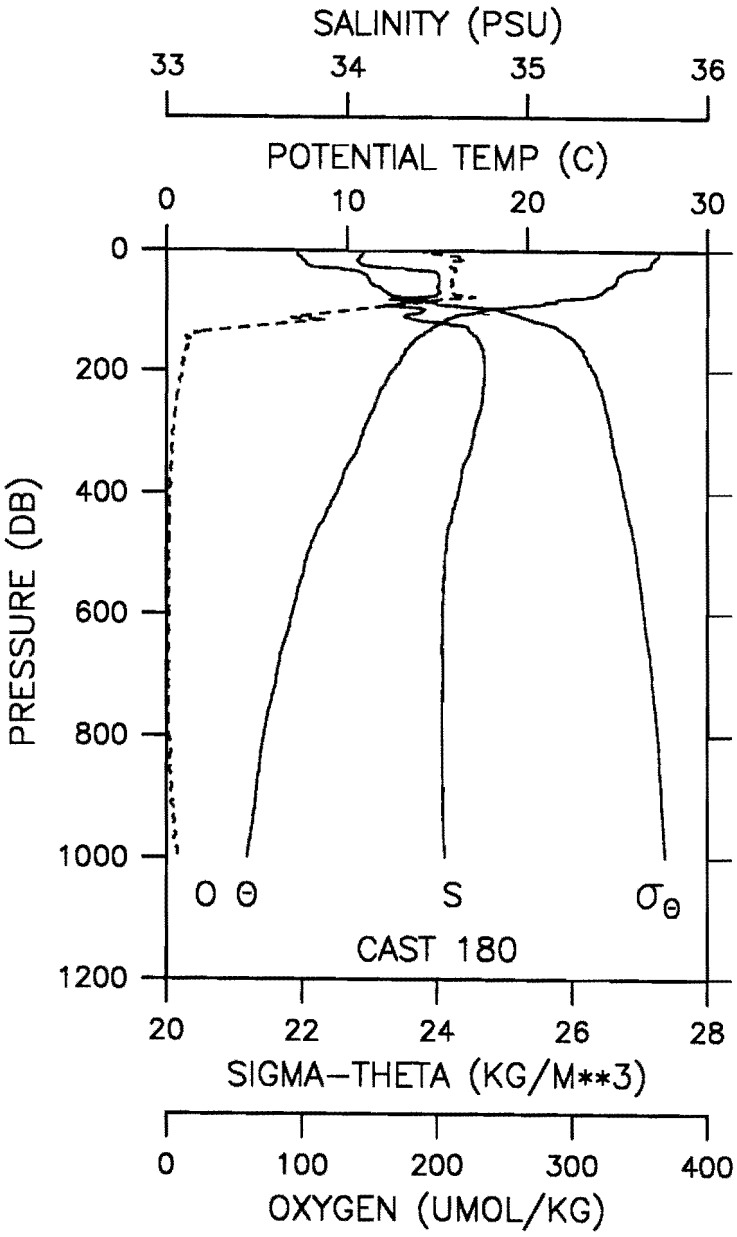




CAST CG3-94-DI -179 DATE 22 APR 94 TIME 1521 GMT
LAT 16 29.9N LONG 110 00.1W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 005 T SPD 11 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 25.5 WET 22.0 DEPTH 3397 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.020	34.224	211.8	22.129	0.000
10	27.017	34.221	216.4	22.128	0.057
20	26.370	34.319	211.6	22.406	0.112
30	25.221	34.535	221.7	22.924	0.164
40	24.851	34.541	221.5	23.041	0.213
50	24.024	34.487	218.7	23.248	0.260
60	22.748	34.412	217.8	23.562	0.305
70	21.421	34.378	169.9	23.907	0.346
80	19.127	34.383	143.6	24.518	0.383
90	17.850	34.333	117.2	24.799	0.417
100	16.073	34.303	105.1	25.196	0.446
110	15.671	34.606	64.5	25.520	0.473
120	14.420	34.620	34.6	25.805	0.496
130	13.780	34.675	29.2	25.982	0.518
140	13.347	34.732	17.6	26.116	0.538
150	13.081	34.749	16.9	26.183	0.556
160	12.851	34.762	16.8	26.239	0.575
170	12.600	34.766	14.6	26.291	0.593
180	12.499	34.769	12.5	26.314	0.610
190	12.214	34.767	10.6	26.368	0.628
200	12.127	34.768	9.2	26.385	0.644
250	11.433	34.738	6.1	26.493	0.726
300	10.768	34.696	4.1	26.581	0.804
350	10.117	34.657	3.8	26.665	0.878
400	9.220	34.608	2.1	26.776	0.948
450	8.588	34.581	2.2	26.855	1.014
500	8.007	34.564	2.1	26.931	1.076
550	7.428	34.544	2.0	26.999	1.135
600	6.756	34.531	1.4	27.083	1.190
650	6.263	34.526	1.4	27.144	1.242
700	5.891	34.524	0.9	27.190	1.291
750	5.545	34.524	1.5	27.234	1.339
800	5.210	34.529	2.6	27.277	1.384
900	4.859	34.535	5.4	27.323	1.471
1000	4.378	34.543	8.9	27.382	1.552
1500	2.946	34.597	48.0	27.569	1.900
2000	2.065	34.641	91.8	27.679	2.181
2500	1.624	34.664	111.5	27.731	2.422
3000	1.481	34.672	119.4	27.748	2.652
3482	1.445	34.675	119.6	27.753	2.878


CAST CG3-94-DI -180 DATE 22 APR 94 TIME 2136 GMT
LAT 17 00.0N LONG 110 00.0W
POTENTIAL TEMP (C)
30
25
20
15
10
5
0
21
22
23
24
25
26
27
28
O
S
33
34
35
36
SALINITY (PSU)
0
100
200
300
400
OXYGEN (UMOL/KG)

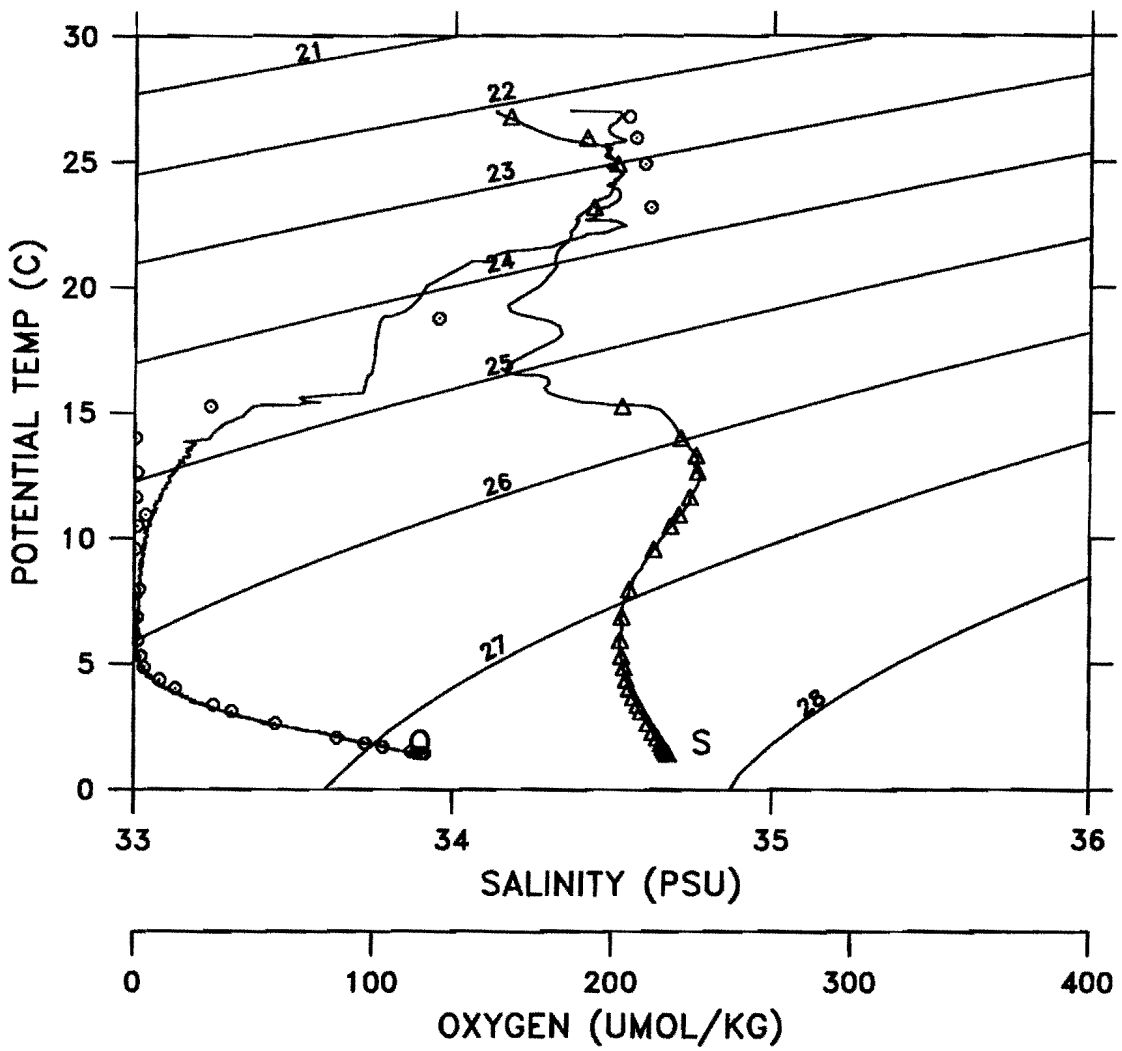


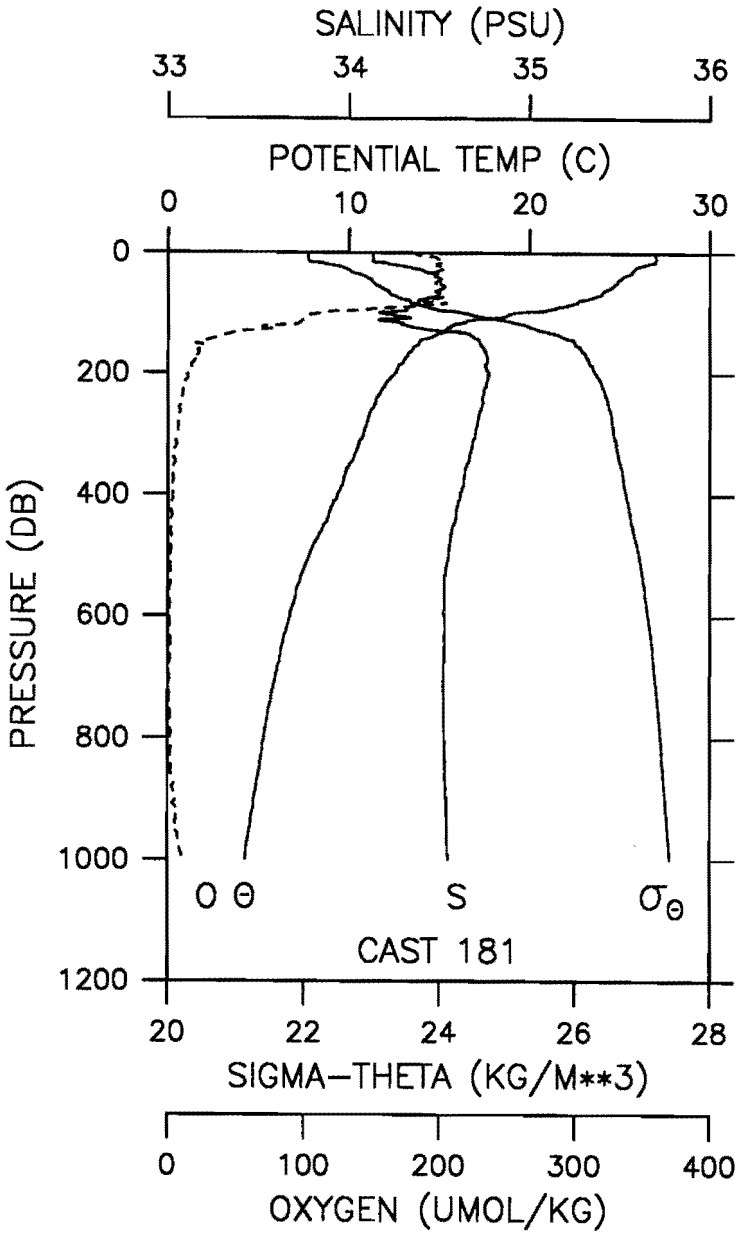
CAST CG3-94-DI -180 DATE 22 APR 94 TIME 2136 GMT
LAT 17 00.0N LONG 110 00.0W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 355 T SPD 08 KT VISIBILITY 9
CLOUD 8 AMOUNT 2 DRY 25.2 WET 22.0 DEPTH 3520 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.299	34.089	196.1	21.938	0.000
10	27.124	34.069	216.4	21.980	0.059
20	26.882	34.068	209.8	22.056	0.117
30	25.865	34.326	213.2	22.569	0.173
40	25.070	34.506	211.0	22.949	0.224
50	24.925	34.511	210.4	22.996	0.273
60	24.430	34.501	210.1	23.138	0.321
70	24.067	34.513	211.7	23.255	0.368
80	21.957	34.269	206.2	23.676	0.413
90	20.630	34.262	169.3	24.033	0.454
100	17.491	34.413	132.4	24.947	0.488
110	15.945	34.322	95.5	25.240	0.516
120	15.306	34.530	91.8	25.543	0.542
130	14.685	34.672	49.2	25.788	0.566
140	14.208	34.702	17.4	25.913	0.587
150	13.726	34.729	14.4	26.036	0.608
160	13.420	34.745	14.4	26.111	0.628
170	13.199	34.755	13.4	26.163	0.647
180	12.982	34.760	11.8	26.211	0.665
190	12.724	34.762	11.5	26.264	0.684
200	12.495	34.760	10.4	26.308	0.701
250	11.620	34.749	6.8	26.466	0.785
300	10.874	34.704	4.3	26.568	0.864
350	10.109	34.652	3.3	26.662	0.939
400	9.416	34.618	2.5	26.752	1.009
450	8.536	34.571	1.9	26.856	1.075
500	7.798	34.546	1.6	26.948	1.137
550	7.366	34.536	1.4	27.002	1.195
600	6.948	34.529	1.7	27.055	1.251
650	6.478	34.526	1.4	27.116	1.304
700	6.071	34.533	1.0	27.174	1.355
750	5.699	34.528	1.1	27.218	1.403
800	5.351	34.529	1.3	27.260	1.449
900	4.908	34.532	3.6	27.315	1.537
1000	4.423	34.542	8.4	27.377	1.620
1500	2.909	34.602	49.3	27.576	1.968
2000	2.057	34.641	90.4	27.680	2.247
2500	1.646	34.663	110.3	27.729	2.490
3000	1.476	34.672	118.4	27.748	2.721
3500	1.437	34.675	123.2	27.754	2.955
3551	1.434	34.675	124.0	27.754	2.980

CAST CG3-94-DI -181 DATE 23 APR 94 TIME 0320 GMT

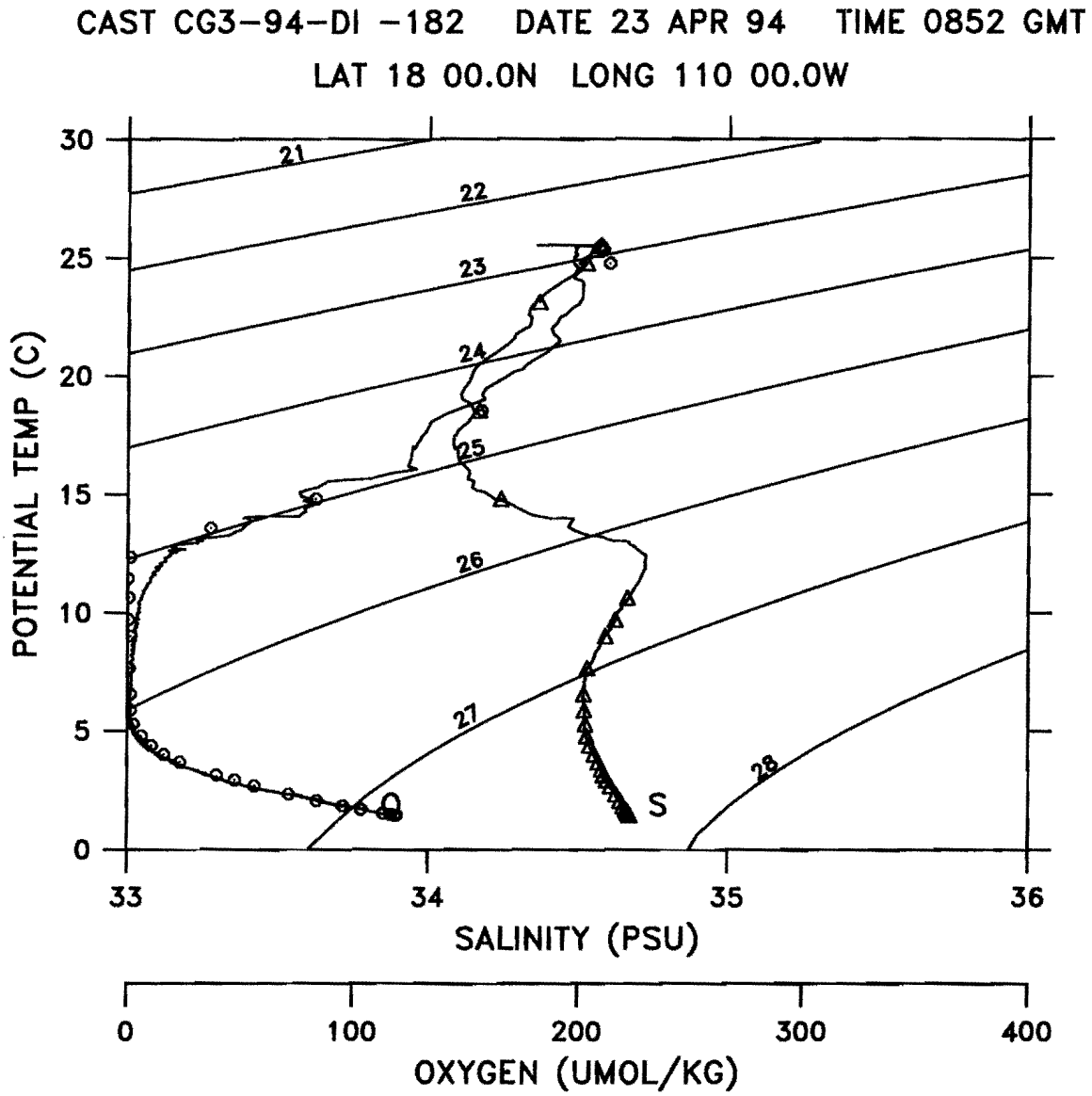
LAT 17 30.1N LONG 109 59.9W

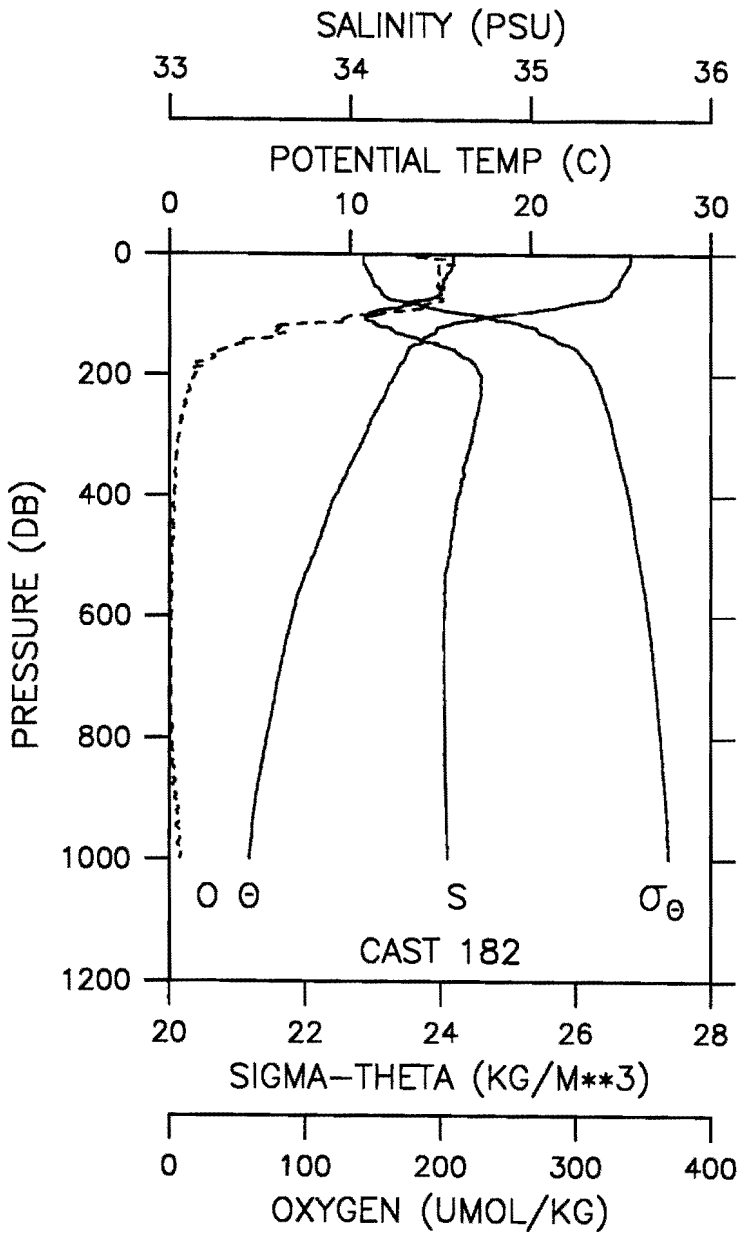




CAST CG3-94-DI -181 DATE 23 APR 94 TIME 0320 GMT
LAT 17 30.1N LONG 109 59.9W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 350 T SPD 05 KT VISIBILITY 8
CLOUD 8 AMOUNT 5 DRY 24.3 WET 21.0 DEPTH 3485 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	27.010	34.132	184.0	22.063	0.000
10	27.013	34.135	199.2	22.064	0.058
20	26.278	34.253	197.6	22.385	0.114
30	25.699	34.412	199.3	22.685	0.167
40	25.138	34.485	199.3	22.912	0.218
50	24.839	34.504	196.8	23.017	0.267
60	24.285	34.501	201.7	23.181	0.314
70	23.904	34.495	201.7	23.289	0.361
80	22.686	34.386	188.3	23.560	0.406
90	21.608	34.335	173.9	23.822	0.448
100	19.051	34.175	112.8	24.379	0.487
110	17.173	34.205	100.2	24.864	0.521
120	15.717	34.310	86.1	25.282	0.550
130	15.297	34.554	52.6	25.564	0.576
140	14.549	34.689	37.2	25.831	0.599
150	13.855	34.725	21.9	26.005	0.620
160	13.521	34.745	23.0	26.090	0.640
170	13.222	34.761	22.0	26.163	0.659
180	13.002	34.764	19.3	26.211	0.678
190	12.700	34.757	17.4	26.265	0.696
200	12.504	34.771	15.5	26.314	0.714
250	11.455	34.741	8.9	26.491	0.797
300	10.799	34.700	6.7	26.578	0.875
350	10.027	34.653	4.8	26.677	0.949
400	9.368	34.618	3.5	26.759	1.018
450	8.600	34.576	2.8	26.850	1.084
500	7.802	34.552	1.8	26.951	1.146
550	7.167	34.529	1.9	27.025	1.204
600	6.725	34.527	0.9	27.084	1.258
650	6.289	34.530	1.5	27.144	1.310
700	5.922	34.524	1.1	27.186	1.360
750	5.556	34.525	0.7	27.233	1.407
800	5.294	34.528	1.6	27.267	1.453
900	4.727	34.538	5.1	27.340	1.539
1000	4.247	34.548	8.7	27.400	1.619
1500	2.872	34.600	44.9	27.577	1.962
2000	2.074	34.640	88.1	27.678	2.239
2500	1.648	34.663	106.8	27.729	2.482
3000	1.472	34.672	116.1	27.749	2.713
3500	1.437	34.675	118.5	27.754	2.946
3514	1.437	34.675	119.6	27.754	2.953


CAST CG3-94-DI -182 DATE 23 APR 94 TIME 0852 GMT
LAT 18 00.0N LONG 110 00.0W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
21
22
23
24
25
26
27
28
O
S
30
25
20
15
10
5
0
33
34
35
36
0
100
200
300
400

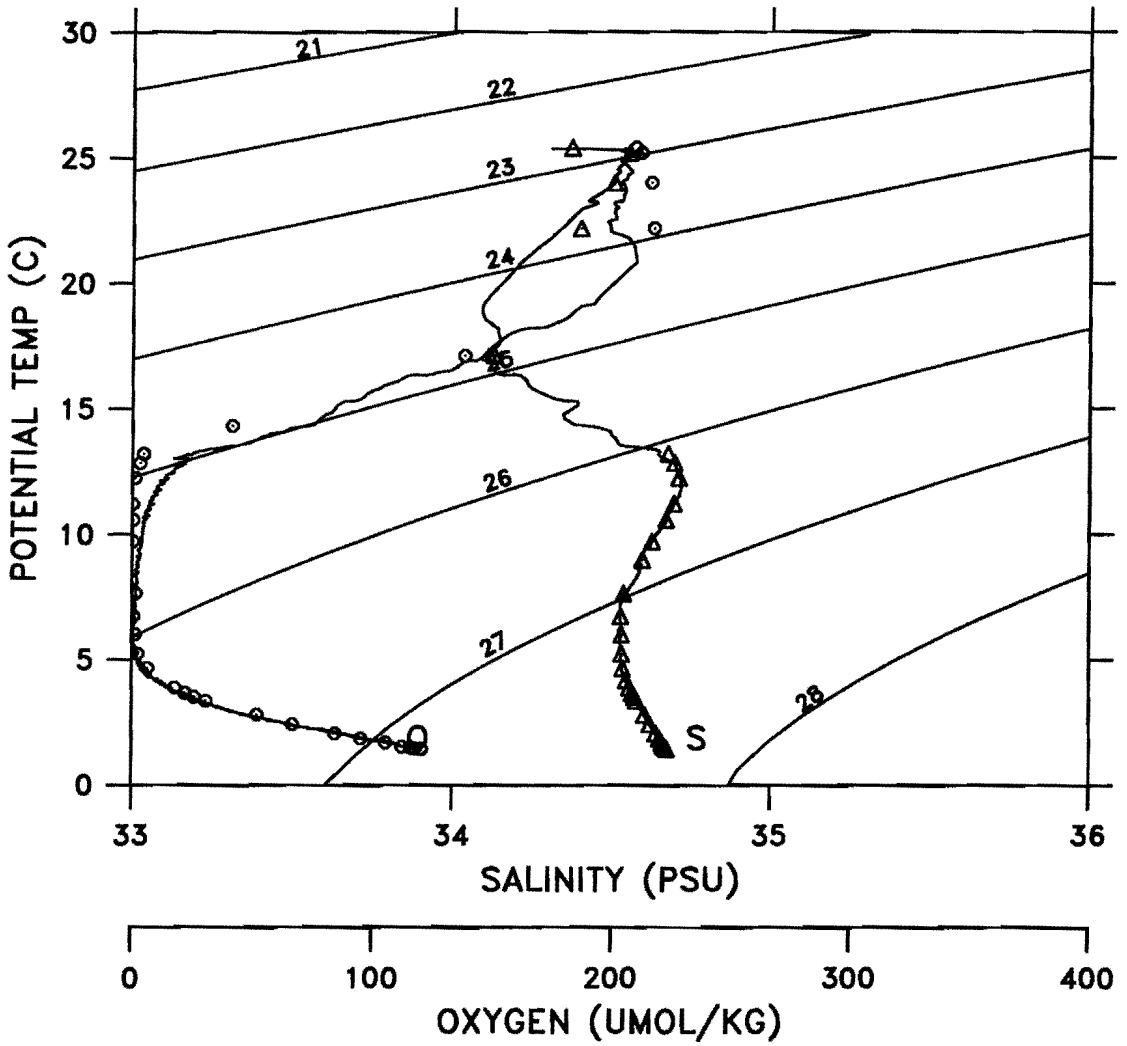


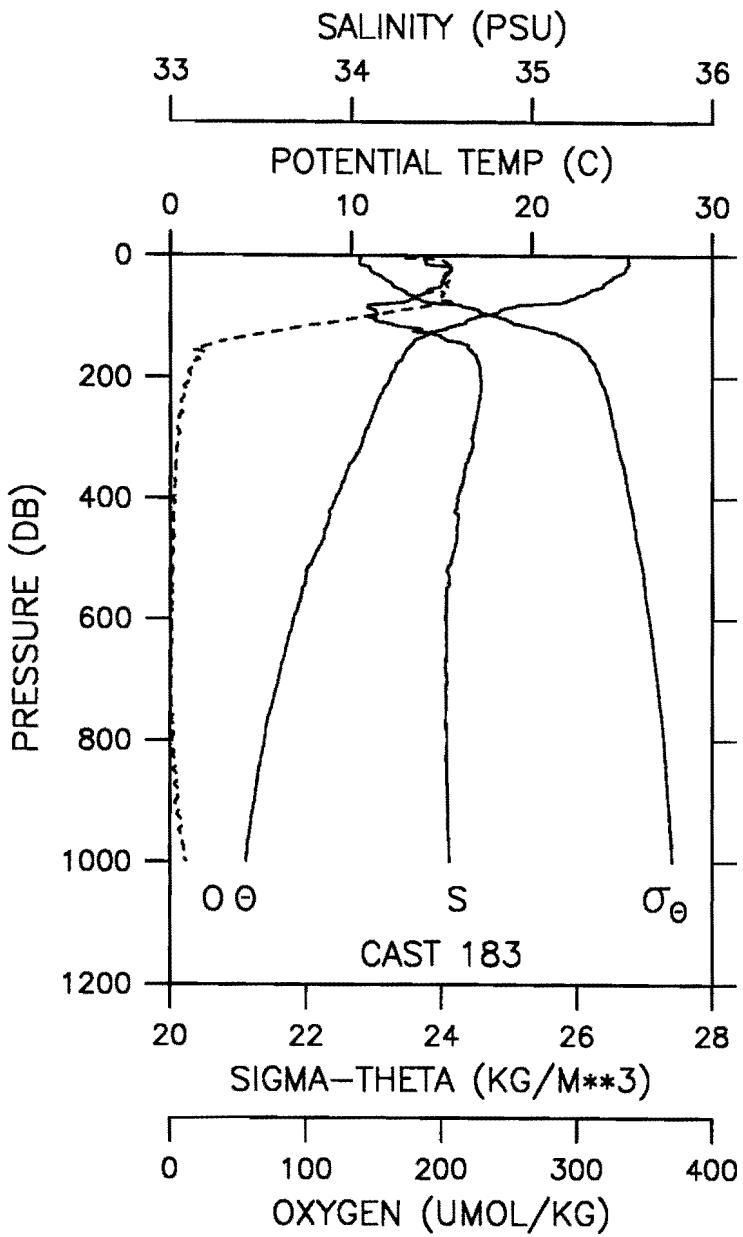
CAST CG3-94-DI -182 DATE 23 APR 94 TIME 0852 GMT
LAT 18 00.0N LONG 110 00.0W WEATHER 1 SEA STATE 2
BAROMETER 11 WIND DIR 310 T SPD 09 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 23.5 WET 20.0 DEPTH 3265 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	25.534	34.572	193.7	22.857	0.000
10	25.529	34.571	208.7	22.857	0.050
20	25.412	34.563	198.6	22.887	0.100
30	25.220	34.545	198.2	22.933	0.149
40	25.007	34.522	197.6	22.979	0.198
50	24.875	34.513	197.7	23.013	0.247
60	24.487	34.496	199.5	23.116	0.295
70	24.243	34.477	197.8	23.175	0.343
80	22.592	34.330	193.7	23.544	0.389
90	20.994	34.223	185.3	23.905	0.431
100	18.434	34.152	141.7	24.516	0.469
110	16.432	34.099	125.2	24.956	0.501
120	15.088	34.186	76.0	25.326	0.529
130	14.717	34.249	77.8	25.455	0.555
140	14.068	34.375	65.8	25.690	0.580
150	13.496	34.485	50.1	25.895	0.602
160	13.187	34.584	37.9	26.034	0.623
170	13.040	34.624	32.6	26.094	0.643
180	12.819	34.684	19.2	26.185	0.662
190	12.617	34.703	18.2	26.240	0.680
200	12.458	34.722	19.1	26.285	0.698
250	11.583	34.712	11.5	26.445	0.784
300	10.795	34.675	7.0	26.560	0.863
350	9.980	34.629	4.5	26.666	0.937
400	9.148	34.598	3.8	26.780	1.007
450	8.551	34.573	3.1	26.854	1.072
500	7.950	34.549	1.6	26.927	1.134
550	7.293	34.524	1.7	27.003	1.193
600	6.790	34.523	1.0	27.072	1.248
650	6.368	34.516	1.0	27.123	1.301
700	6.017	34.518	1.1	27.170	1.351
750	5.693	34.522	1.1	27.214	1.400
800	5.359	34.523	1.7	27.255	1.446
900	4.755	34.528	3.9	27.329	1.534
1000	4.388	34.538	8.7	27.378	1.615
1500	2.935	34.596	42.9	27.569	1.965
2000	2.091	34.639	85.3	27.675	2.246
2500	1.669	34.662	107.0	27.726	2.489
3000	1.483	34.671	114.5	27.747	2.722
3299	1.454	34.674	117.0	27.752	2.861

CAST CG3-94-DI -183 DATE 23 APR 94 TIME 1423 GMT

LAT 18 30.0N LONG 110 00.0W



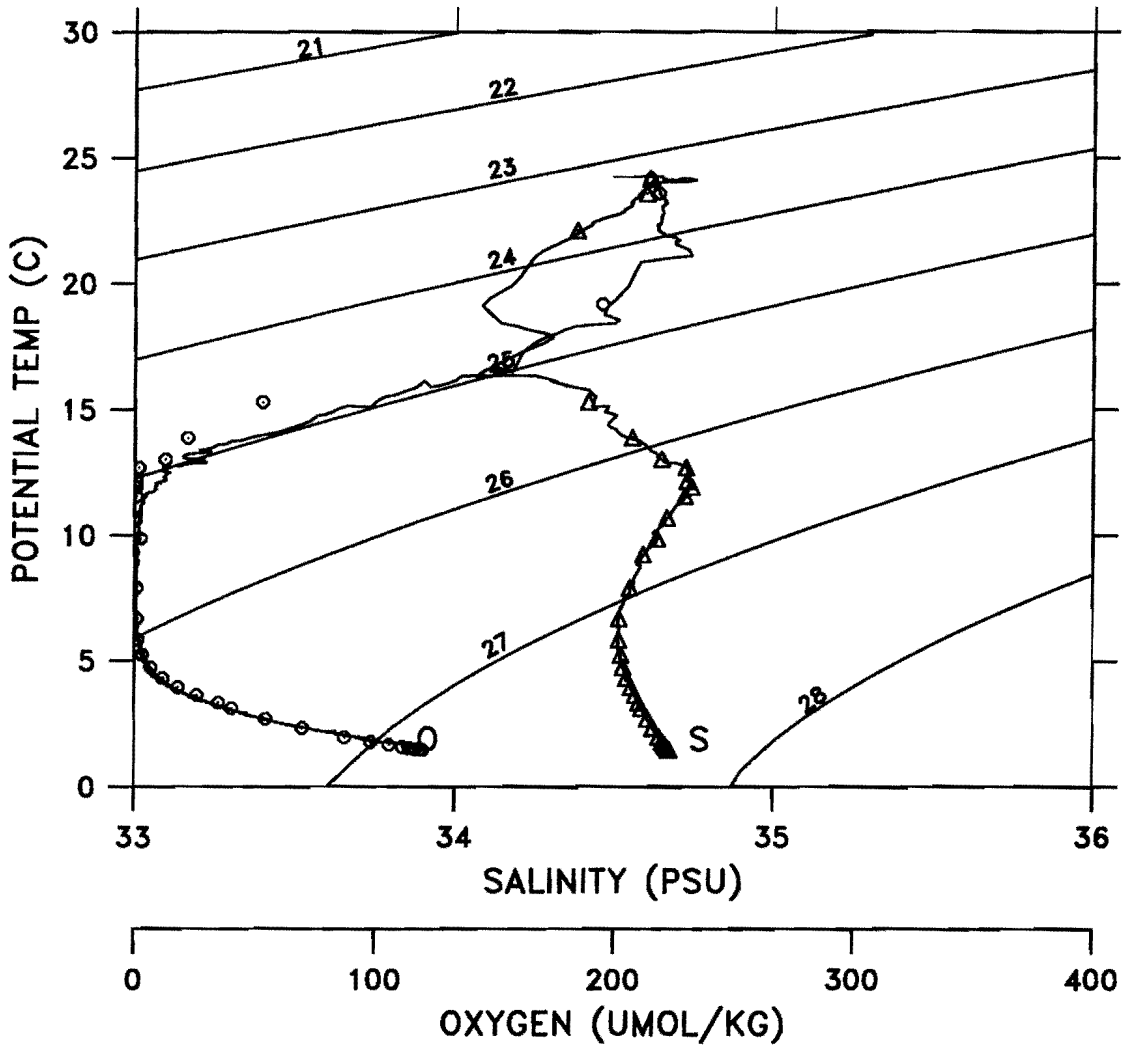


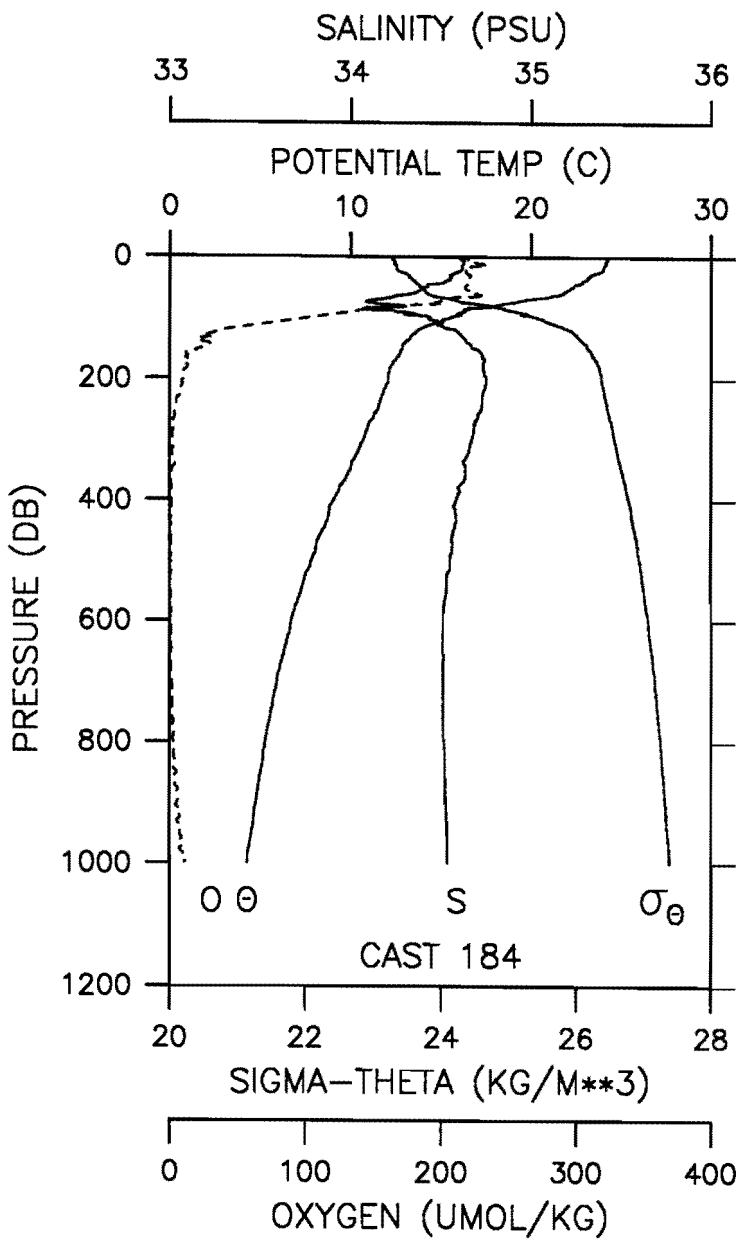
CAST CG3-94-DI -183 DATE 23 APR 94 TIME 1423 GMT
LAT 18 30.0N LONG 110 00.0W WEATHER 2 SEA STATE 3
BAROMETER 12 WIND DIR 001 T SPD 06 KT VISIBILITY 7
CLOUD 6 AMOUNT 7 DRY 23.1 WET 19.7 DEPTH 3440 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	25.355	34.435	177.2	22.808	0.000
10	25.365	34.412	202.3	22.787	0.051
20	25.225	34.551	205.0	22.935	0.101
30	24.900	34.522	204.6	23.012	0.150
40	24.349	34.510	206.4	23.169	0.197
50	23.953	34.499	203.9	23.278	0.244
60	23.181	34.448	200.0	23.465	0.289
70	22.423	34.357	198.1	23.612	0.333
80	20.388	34.179	204.4	24.034	0.375
90	18.241	34.130	171.0	24.547	0.410
100	17.029	34.087	145.2	24.808	0.444
110	16.340	34.177	119.3	25.038	0.474
120	15.293	34.375	89.9	25.427	0.502
130	14.224	34.462	65.2	25.725	0.526
140	13.521	34.533	40.4	25.927	0.548
150	13.230	34.648	25.3	26.074	0.568
160	12.963	34.672	23.7	26.147	0.588
170	12.824	34.695	21.0	26.192	0.607
180	12.478	34.708	15.9	26.271	0.625
190	12.360	34.713	14.0	26.297	0.643
200	12.171	34.716	13.4	26.336	0.660
250	11.332	34.703	7.6	26.484	0.743
300	10.638	34.669	4.7	26.583	0.821
350	9.824	34.630	3.9	26.694	0.894
400	9.113	34.589	2.2	26.779	0.963
450	8.541	34.585	1.6	26.866	1.029
500	7.890	34.556	1.2	26.942	1.090
550	7.290	34.528	0.7	27.007	1.148
600	6.809	34.523	1.1	27.070	1.204
650	6.372	34.529	0.2	27.132	1.257
700	5.957	34.528	0.7	27.186	1.306
750	5.495	34.524	1.1	27.240	1.354
800	5.180	34.531	1.6	27.283	1.399
900	4.639	34.531	4.2	27.345	1.484
1000	4.162	34.545	11.8	27.407	1.563
1500	3.086	34.590	36.9	27.550	1.915
2000	2.063	34.639	86.3	27.678	2.199
2500	1.649	34.662	109.7	27.728	2.442
3000	1.498	34.670	115.1	27.746	2.675
3473	1.449	34.674	118.9	27.753	2.897

CAST CG3-94-DI -184 DATE 23 APR 94 TIME 2038 GMT

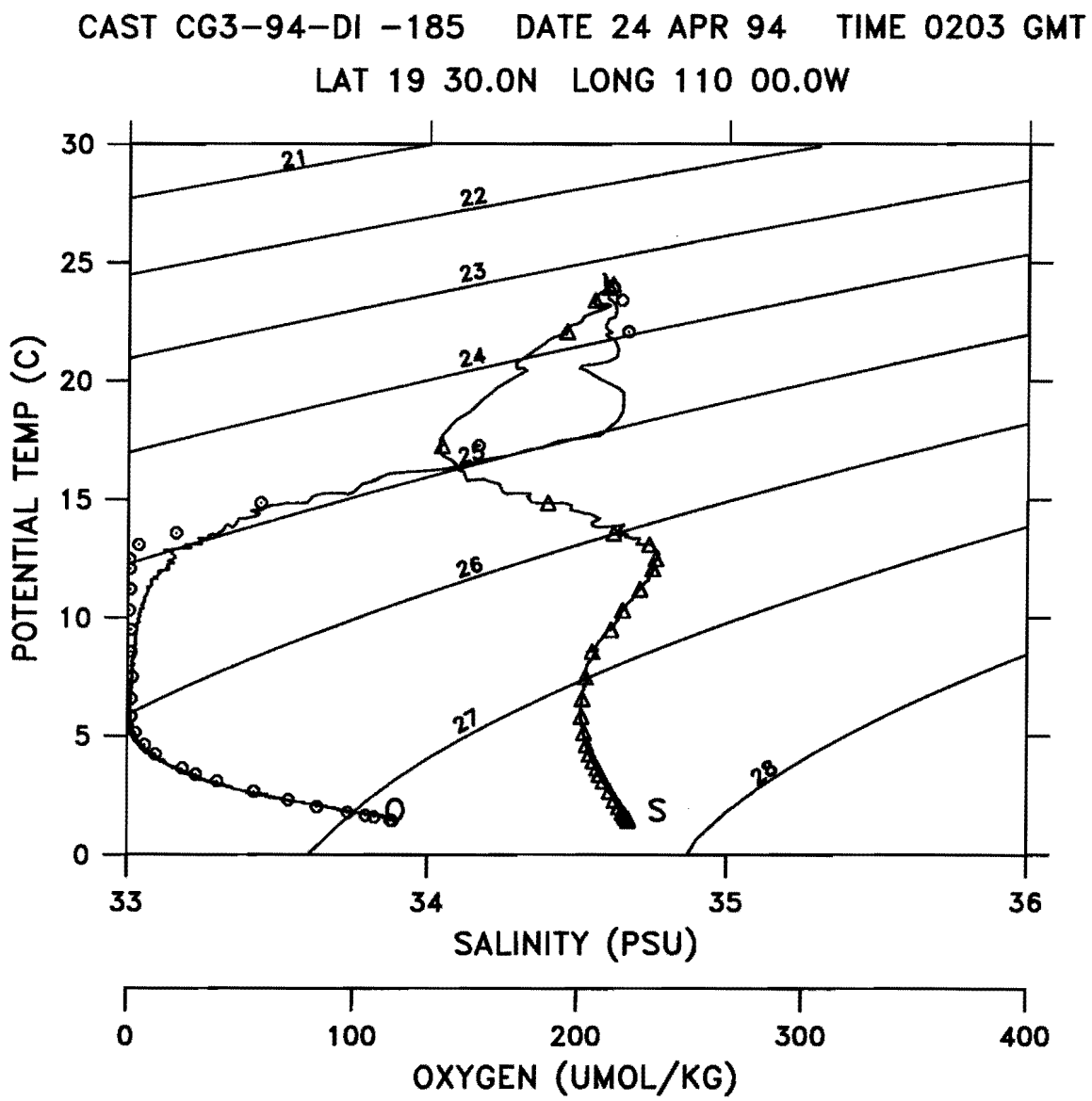
LAT 19 00.0N LONG 110 00.0W

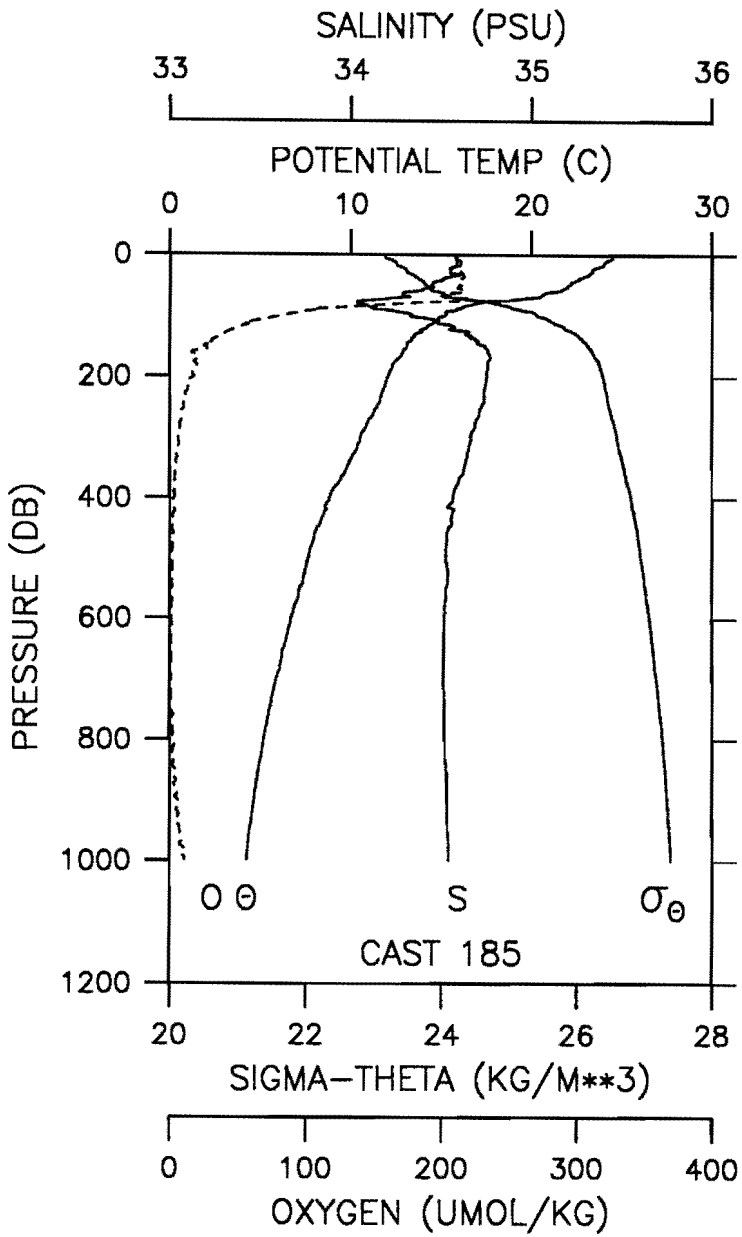




CAST CG3-94-DI -184 DATE 23 APR 94 TIME 2038 GMT
LAT 19 00.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 010 T SPD 06 KT VISIBILITY 7
CLOUD 6 AMOUNT 5 DRY 25.4 WET 21.0 DEPTH 3372 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.258	34.612	199.2	23.273	0.000
10	24.175	34.625	227.8	23.308	0.046
20	24.007	34.616	218.6	23.350	0.091
30	23.261	34.551	221.5	23.519	0.136
40	22.868	34.526	220.2	23.614	0.179
50	22.266	34.414	218.0	23.699	0.222
60	21.702	34.340	227.1	23.801	0.263
70	19.724	34.148	204.0	24.185	0.303
80	17.983	34.289	174.8	24.733	0.339
90	16.316	34.251	135.9	25.100	0.369
100	15.511	34.441	104.1	25.429	0.396
110	14.523	34.485	72.3	25.679	0.421
120	13.744	34.580	40.5	25.917	0.443
130	13.380	34.614	26.8	26.017	0.463
140	13.037	34.647	23.3	26.113	0.483
150	12.870	34.681	24.6	26.172	0.502
160	12.698	34.727	11.7	26.242	0.520
170	12.465	34.743	13.6	26.300	0.538
180	12.205	34.736	13.3	26.345	0.556
190	12.117	34.740	10.0	26.365	0.573
200	12.080	34.751	9.2	26.381	0.590
250	11.486	34.721	4.1	26.469	0.672
300	10.705	34.671	2.4	26.572	0.751
350	9.978	34.637	1.4	26.673	0.825
400	9.068	34.583	1.3	26.781	0.894
450	8.468	34.570	1.0	26.865	0.959
500	7.860	34.549	0.7	26.940	1.020
550	7.286	34.530	0.7	27.008	1.079
600	6.714	34.515	0.8	27.076	1.134
650	6.341	34.512	1.1	27.123	1.187
700	5.949	34.513	1.3	27.174	1.237
750	5.600	34.512	2.1	27.217	1.285
800	5.292	34.516	2.9	27.258	1.331
900	4.783	34.526	5.5	27.325	1.419
1000	4.287	34.537	10.3	27.388	1.500
1500	2.864	34.599	46.0	27.577	1.844
2000	1.993	34.640	90.1	27.684	2.122
2500	1.608	34.663	113.3	27.732	2.361
3000	1.482	34.671	118.8	27.747	2.592
3415	1.454	34.673	121.9	27.751	2.787


CAST CG3-94-DI -185 DATE 24 APR 94 TIME 0203 GMT
LAT 19 30.0N LONG 110 00.0W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
21
22
23
24
25
26
27
28
O
S

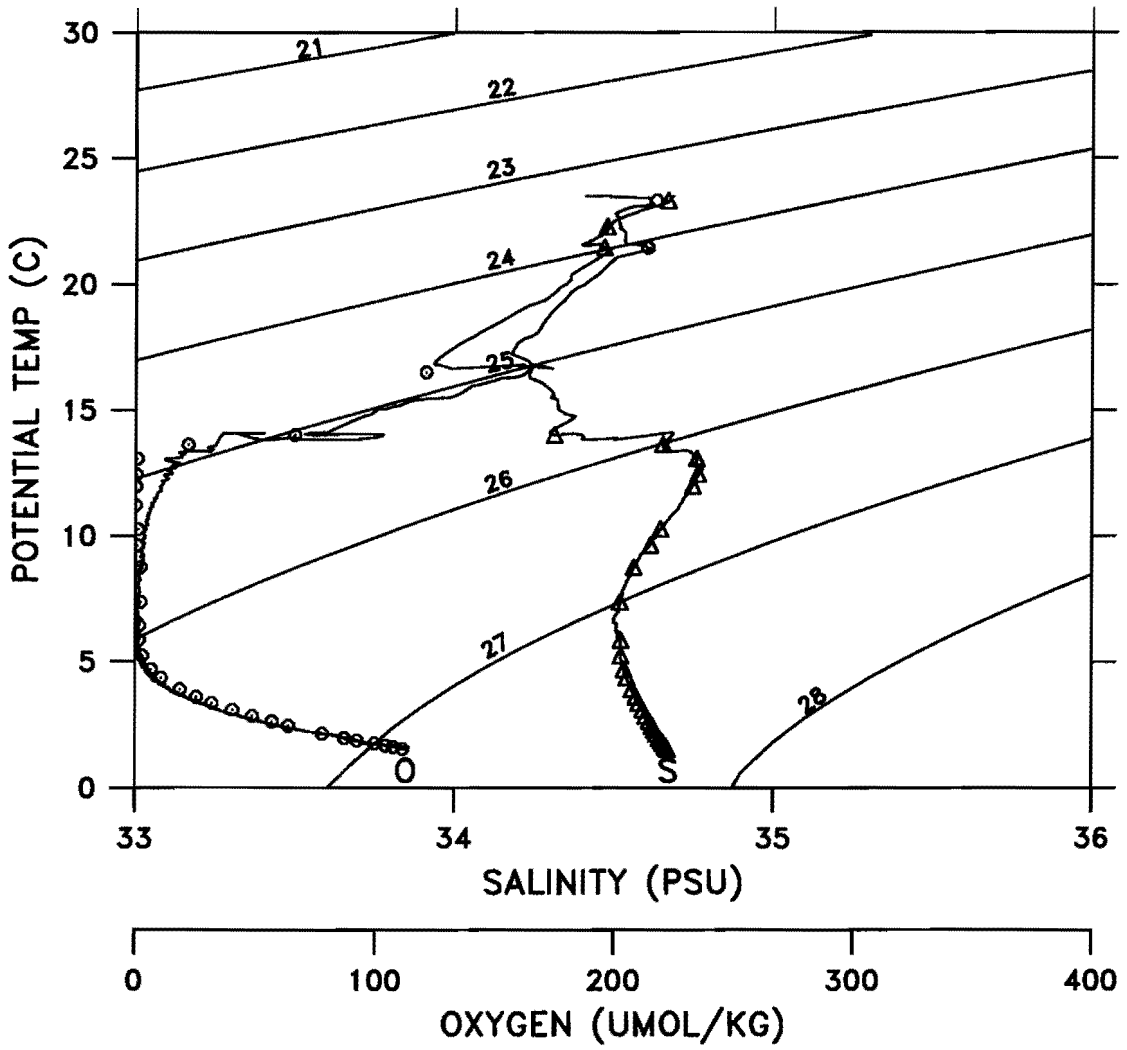


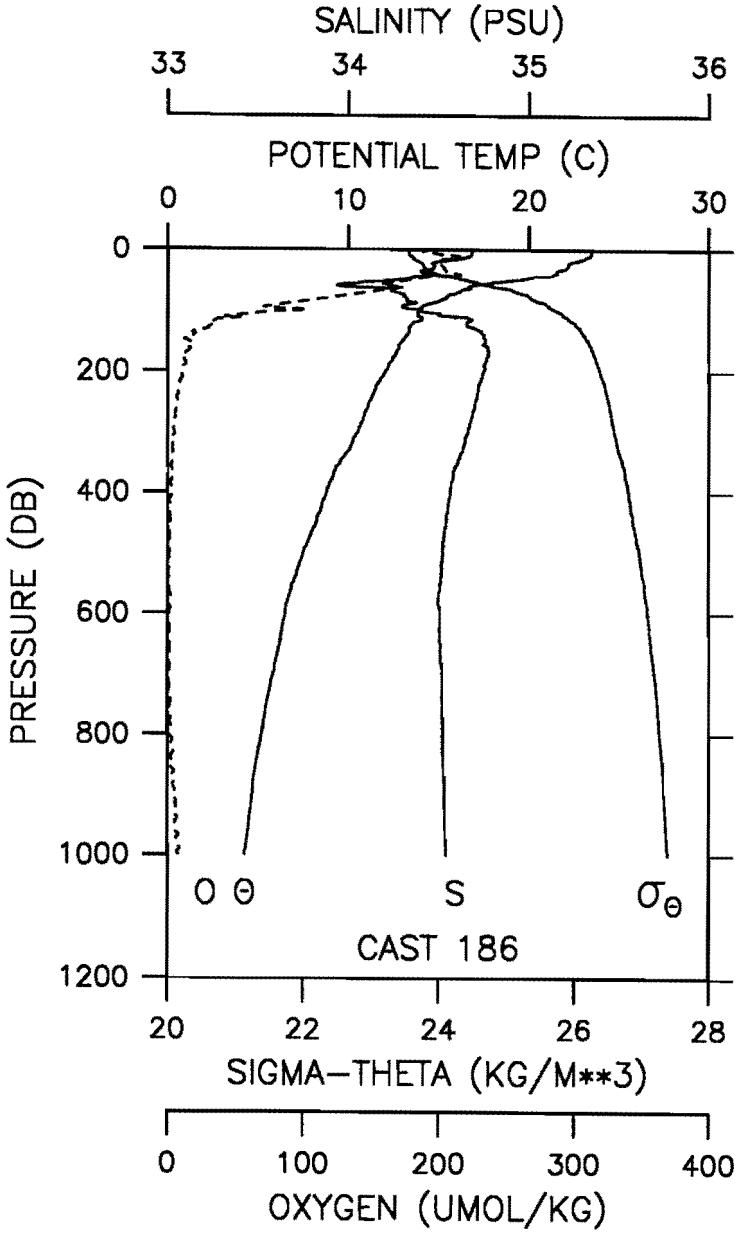
CAST CG3-94-DI -185 DATE 24 APR 94 TIME 0203 GMT
LAT 19 30.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 290 T SPD 07 KT VISIBILITY 7
CLOUD 6 AMOUNT 7 DRY 22.9 WET 19.1 DEPTH 3238 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.512	34.580	211.4	23.173	0.000
10	24.233	34.603	211.4	23.274	0.047
20	23.715	34.570	212.2	23.401	0.092
30	23.283	34.547	215.6	23.510	0.136
40	22.632	34.510	213.8	23.669	0.179
50	22.081	34.447	213.8	23.776	0.221
60	21.344	34.356	217.4	23.912	0.262
70	20.067	34.274	209.4	24.192	0.300
80	16.860	34.045	169.9	24.815	0.335
90	15.858	34.185	110.8	25.154	0.365
100	15.192	34.337	83.5	25.419	0.391
110	14.664	34.477	60.8	25.642	0.416
120	14.189	34.572	49.5	25.817	0.439
130	13.594	34.636	40.0	25.991	0.460
140	13.366	34.689	31.1	26.079	0.480
150	13.087	34.739	25.3	26.174	0.499
160	12.857	34.759	16.5	26.236	0.517
170	12.644	34.769	20.1	26.285	0.535
180	12.319	34.754	19.6	26.337	0.553
190	12.178	34.753	17.5	26.364	0.570
200	12.038	34.752	17.7	26.389	0.587
250	11.439	34.721	10.5	26.479	0.669
300	10.520	34.663	6.2	26.599	0.746
350	9.770	34.626	4.5	26.699	0.820
400	8.815	34.564	3.6	26.806	0.888
450	8.120	34.538	1.8	26.893	0.952
500	7.665	34.525	1.7	26.951	1.012
550	7.211	34.526	1.8	27.016	1.070
600	6.704	34.516	1.3	27.078	1.125
650	6.302	34.512	1.1	27.128	1.177
700	5.878	34.511	0.9	27.182	1.227
750	5.506	34.514	0.9	27.230	1.275
800	5.186	34.519	1.4	27.272	1.320
900	4.654	34.529	6.1	27.342	1.406
1000	4.245	34.539	10.8	27.394	1.486
1500	2.861	34.598	43.2	27.577	1.831
2000	1.996	34.640	88.9	27.684	2.106
2500	1.600	34.663	114.5	27.732	2.344
3000	1.453	34.670	117.5	27.749	2.574
3282	1.434	34.671	118.8	27.751	2.704

CAST CG3-94-DI -186 DATE 24 APR 94 TIME 0706 GMT

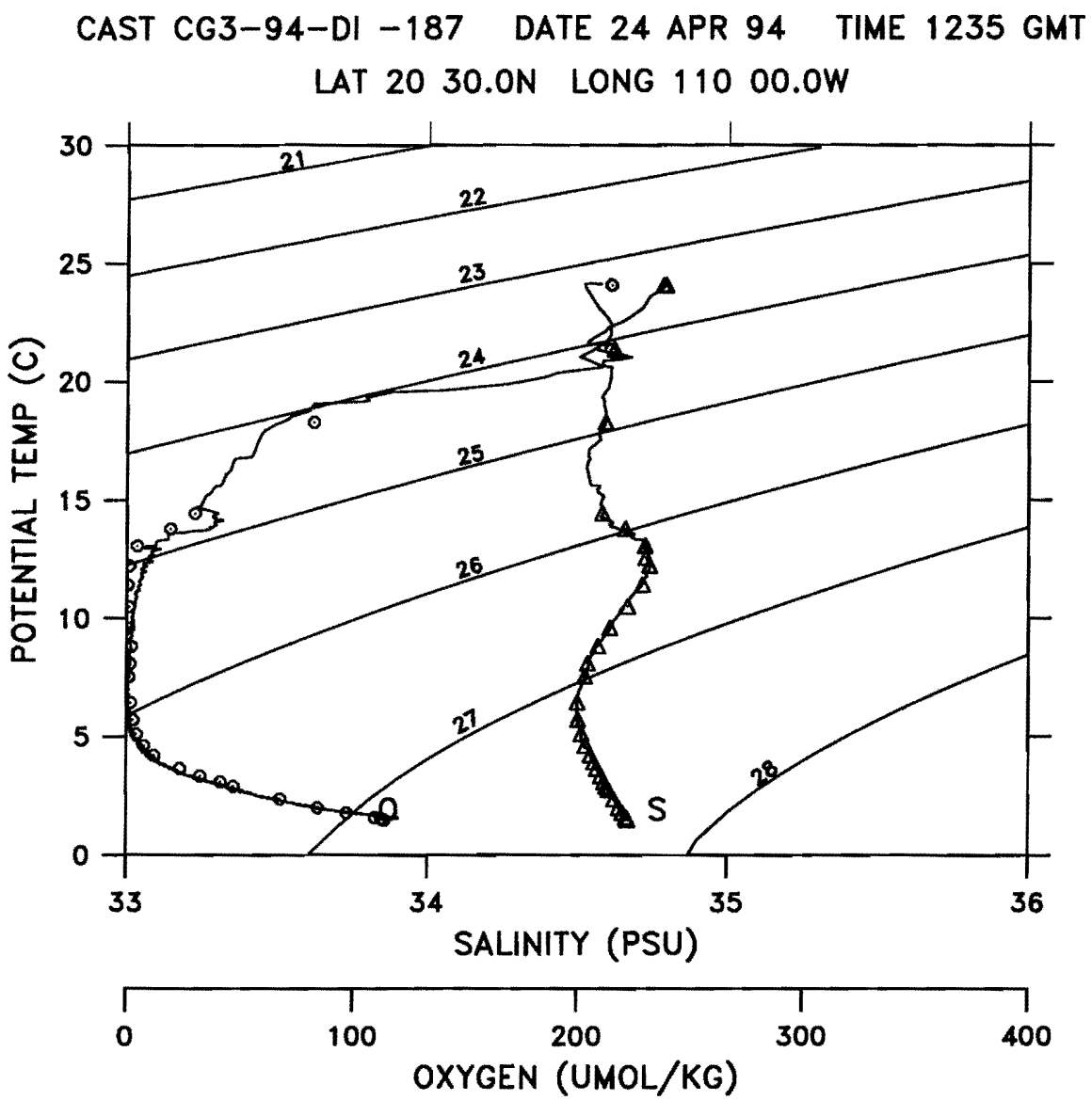
LAT 20 00.1N LONG 110 00.0W

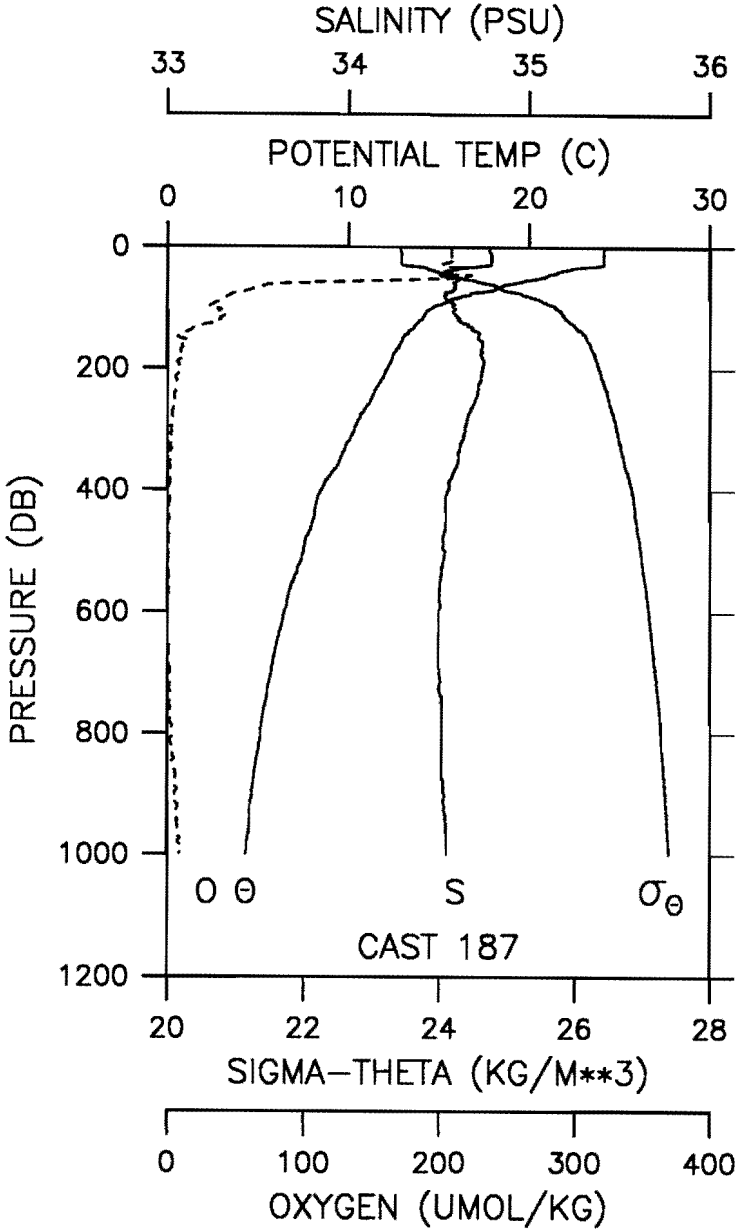




CAST CG3-94-DI -186 DATE 24 APR 94 TIME 0706 GMT
LAT 20 00.1N LONG 110 00.0W WEATHER 2 SEA STATE 2
BAROMETER 13 WIND DIR 280 T SPD 12 KT VISIBILITY 8
CLOUD 6 AMOUNT 7 DRY 22.2 WET 18.8 DEPTH 2627 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	23.481	34.684	193.6	23.556	0.000
10	23.422	34.678	214.1	23.569	0.043
20	22.357	34.481	202.3	23.725	0.086
30	22.089	34.474	204.0	23.794	0.127
40	21.450	34.461	213.3	23.962	0.167
50	19.131	34.231	176.3	24.402	0.205
60	16.700	33.974	168.2	24.798	0.238
70	16.084	34.271	146.8	25.168	0.268
80	15.382	34.322	116.3	25.365	0.295
90	14.371	34.330	85.8	25.592	0.320
100	13.903	34.405	100.5	25.748	0.343
110	13.959	34.594	45.8	25.883	0.366
120	13.556	34.657	32.2	26.015	0.386
130	13.364	34.709	29.9	26.094	0.406
140	13.235	34.750	19.6	26.152	0.425
150	12.967	34.758	13.7	26.212	0.444
160	12.793	34.768	15.3	26.256	0.462
170	12.648	34.774	13.6	26.288	0.480
180	12.443	34.765	13.1	26.321	0.498
190	12.221	34.751	12.9	26.354	0.515
200	12.036	34.748	11.2	26.387	0.532
250	11.142	34.702	7.1	26.518	0.613
300	10.520	34.662	4.7	26.598	0.690
350	9.541	34.605	3.6	26.721	0.762
400	8.788	34.564	1.7	26.811	0.829
450	8.230	34.542	2.2	26.880	0.893
500	7.508	34.525	1.3	26.973	0.954
550	6.923	34.509	1.0	27.043	1.010
600	6.506	34.508	1.1	27.098	1.064
650	6.182	34.511	1.5	27.143	1.115
700	5.820	34.521	0.9	27.197	1.165
750	5.468	34.520	1.5	27.240	1.211
800	5.205	34.520	1.6	27.271	1.257
900	4.683	34.531	4.0	27.340	1.342
1000	4.262	34.543	8.5	27.395	1.423
1500	2.855	34.600	42.6	27.579	1.766
2000	1.973	34.641	85.4	27.687	2.042
2500	1.580	34.664	113.4	27.735	2.279
2591	1.544	34.666	112.8	27.739	2.320


CAST CG3-94-DI -187 DATE 24 APR 94 TIME 1235 GMT
LAT 20 30.0N LONG 110 00.0W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
21
22
23
24
25
26
27
28
O
S
30
25
20
15
10
5
0
33
34
35
36
0
100
200
300
400

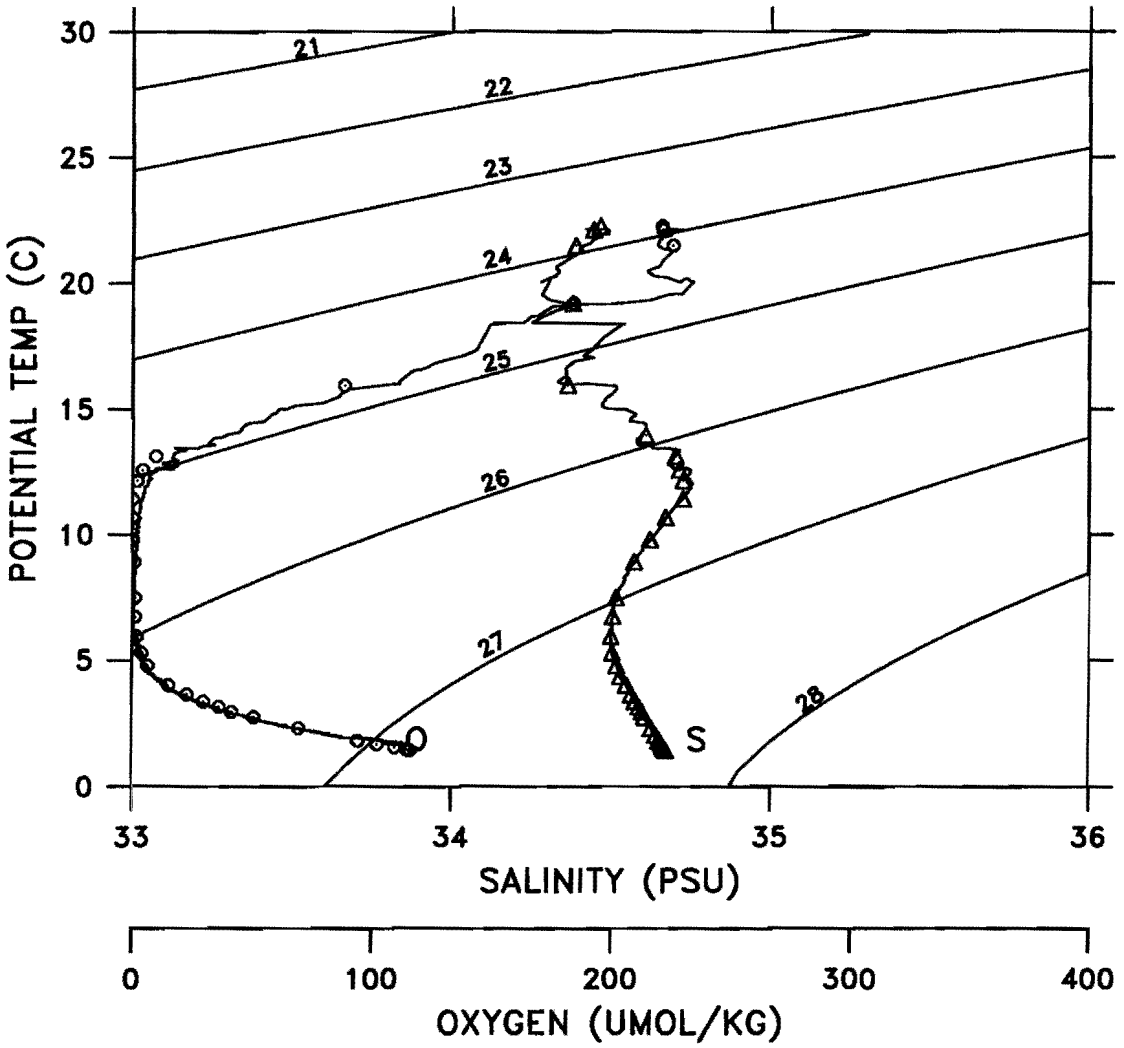


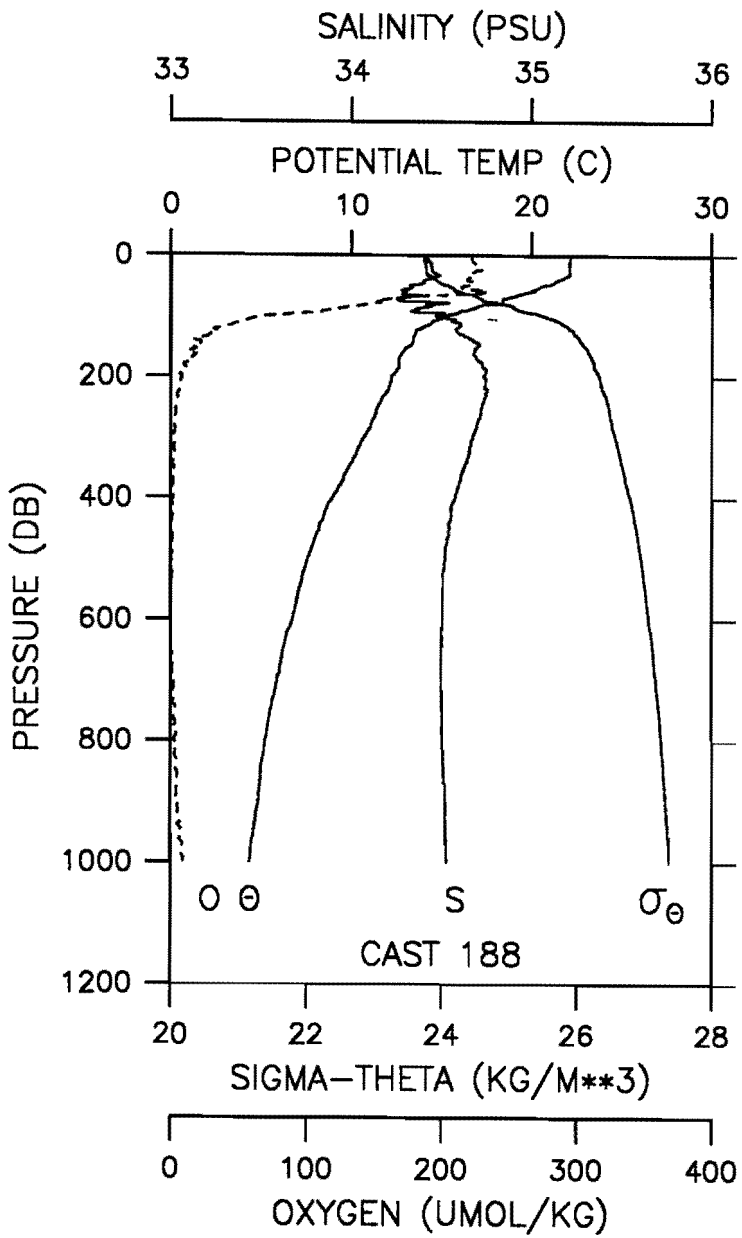
CAST CG3-94-DI -187 DATE 24 APR 94 TIME 1235 GMT
LAT 20 30.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 315 T SPD 20 KT VISIBILITY 7
CLOUD 7 AMOUNT 5 DRY 21.0 WET 18.2 DEPTH 3100 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	24.136	34.779	209.3	23.436	0.000
10	24.122	34.789	209.3	23.447	0.044
20	24.131	34.791	209.2	23.446	0.089
30	23.976	34.785	202.9	23.488	0.133
40	21.647	34.529	212.5	23.959	0.174
50	20.693	34.570	210.7	24.251	0.213
60	19.050	34.584	82.0	24.692	0.247
70	18.010	34.581	61.9	24.950	0.278
80	16.341	34.528	45.6	25.308	0.307
90	15.456	34.564	37.6	25.536	0.332
100	14.630	34.584	33.0	25.732	0.356
110	14.229	34.586	38.0	25.820	0.378
120	13.972	34.605	39.1	25.889	0.400
130	13.621	34.660	22.4	26.004	0.421
140	13.302	34.718	15.0	26.114	0.440
150	12.963	34.715	8.2	26.180	0.459
160	12.823	34.740	11.0	26.227	0.478
170	12.607	34.735	9.6	26.266	0.496
180	12.417	34.737	10.5	26.305	0.514
190	12.289	34.748	7.1	26.338	0.531
200	12.130	34.739	6.8	26.362	0.548
250	11.228	34.702	5.3	26.502	0.630
300	10.289	34.642	3.0	26.623	0.707
350	9.528	34.607	2.6	26.725	0.778
400	8.515	34.554	1.2	26.845	0.845
450	8.027	34.538	1.2	26.907	0.907
500	7.500	34.530	0.7	26.978	0.966
550	6.940	34.507	0.4	27.039	1.023
600	6.419	34.499	0.7	27.103	1.076
650	6.036	34.497	1.6	27.151	1.127
700	5.699	34.501	1.7	27.196	1.176
750	5.366	34.511	1.3	27.245	1.223
800	5.115	34.515	2.5	27.278	1.268
900	4.643	34.527	5.3	27.340	1.353
1000	4.284	34.542	8.5	27.392	1.434
1500	2.961	34.595	41.2	27.565	1.780
2000	2.005	34.640	82.3	27.683	2.062
2500	1.618	34.661	116.0	27.730	2.303
3000	1.505	34.668	116.2	27.744	2.534
3135	1.487	34.669	115.8	27.745	2.598

CAST CG3-94-DI -188 DATE 24 APR 94 TIME 1823 GMT

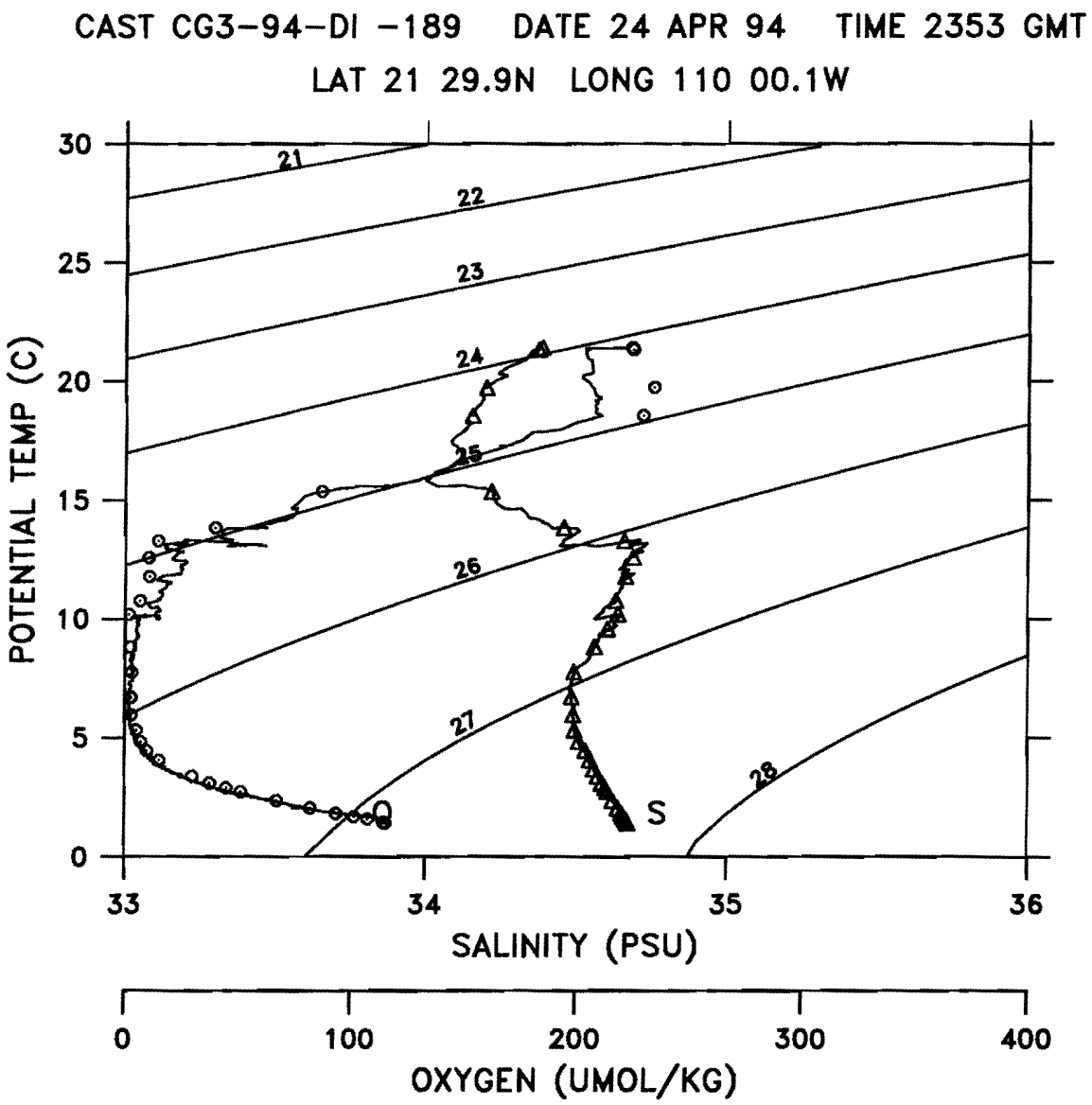
LAT 21 00.0N LONG 110 00.0W

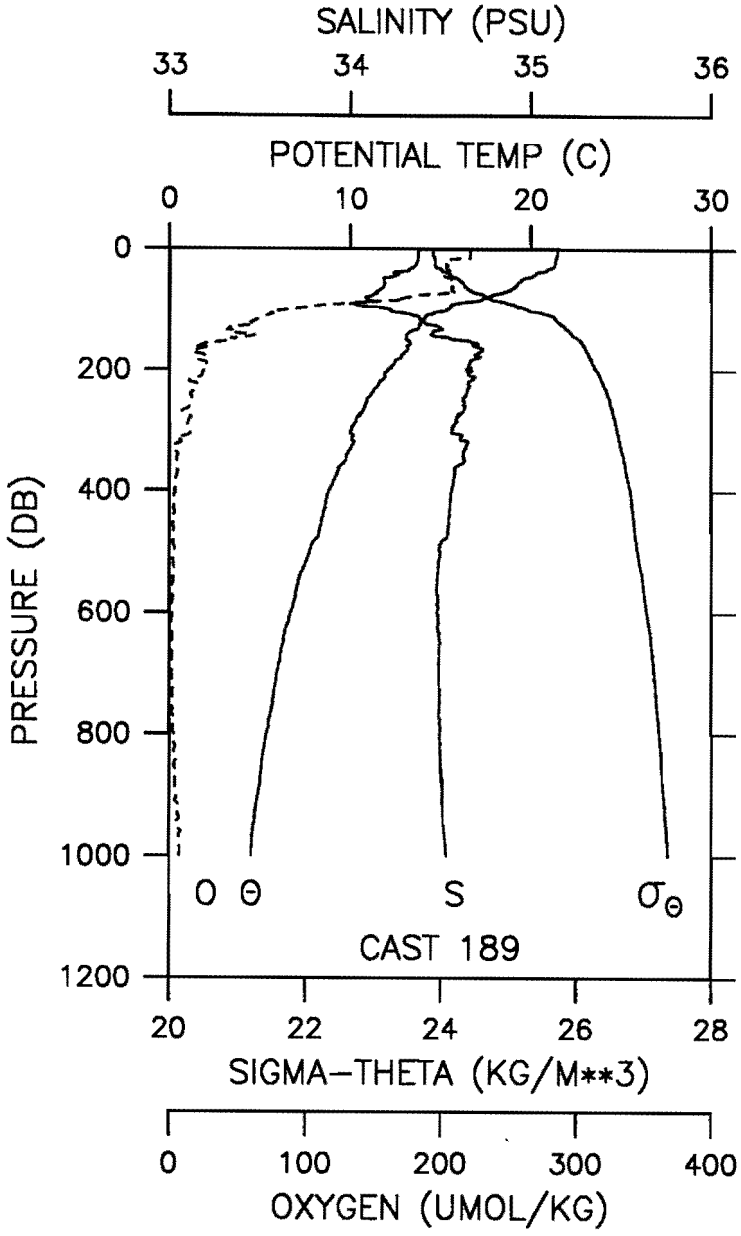




CAST CG3-94-DI -188 DATE 24 APR 94 TIME 1823 GMT
LAT 21 00.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 295 T SPD 11 KT VISIBILITY 8
CLOUD 6 AMOUNT 8 DRY 21.5 WET 18.0 DEPTH 3234 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	22.138	34.420	222.9	23.740	0.000
10	22.138	34.425	223.4	23.744	0.041
20	22.116	34.444	228.2	23.764	0.083
30	22.134	34.469	223.2	23.779	0.124
40	21.472	34.411	219.1	23.918	0.165
50	20.571	34.325	217.0	24.097	0.204
60	19.944	34.300	232.9	24.243	0.242
70	18.669	34.283	166.6	24.558	0.277
80	17.836	34.472	146.6	24.909	0.310
90	16.525	34.358	117.1	25.134	0.339
100	15.131	34.469	67.6	25.535	0.365
110	14.469	34.584	51.6	25.767	0.389
120	13.863	34.588	35.6	25.898	0.411
130	13.549	34.611	31.2	25.981	0.431
140	13.435	34.675	17.5	26.053	0.451
150	13.146	34.700	17.1	26.132	0.471
160	12.827	34.681	12.3	26.181	0.490
170	12.623	34.695	15.3	26.232	0.508
180	12.618	34.727	9.5	26.258	0.526
190	12.476	34.748	9.2	26.302	0.544
200	12.232	34.740	7.9	26.343	0.562
250	11.453	34.725	4.3	26.479	0.645
300	10.705	34.674	2.8	26.575	0.724
350	9.855	34.627	2.3	26.686	0.797
400	8.952	34.577	1.8	26.795	0.866
450	8.195	34.544	1.0	26.887	0.931
500	7.571	34.520	0.8	26.960	0.991
550	7.095	34.509	0.4	27.019	1.049
600	6.727	34.507	0.7	27.068	1.104
650	6.220	34.502	0.5	27.131	1.156
700	5.876	34.499	1.5	27.173	1.206
750	5.512	34.502	2.3	27.220	1.254
800	5.223	34.503	2.7	27.256	1.300
900	4.827	34.521	5.8	27.316	1.388
1000	4.355	34.529	9.2	27.374	1.471
1500	2.993	34.595	38.9	27.562	1.823
2000	2.039	34.639	81.8	27.680	2.105
2500	1.630	34.661	117.4	27.729	2.347
3000	1.453	34.671	118.1	27.749	2.577
3241	1.437	34.671	118.8	27.751	2.688


CAST CG3-94-DI -189 DATE 24 APR 94 TIME 2353 GMT
LAT 21 29.9N LONG 110 00.1W
POTENTIAL TEMP (C)
SALINITY (PSU)
OXYGEN (UMOL/KG)
21
22
23
24
25
26
27
28
Q
S
30
25
20
15
10
5
0
33
34
35
36
0
100
200
300
400

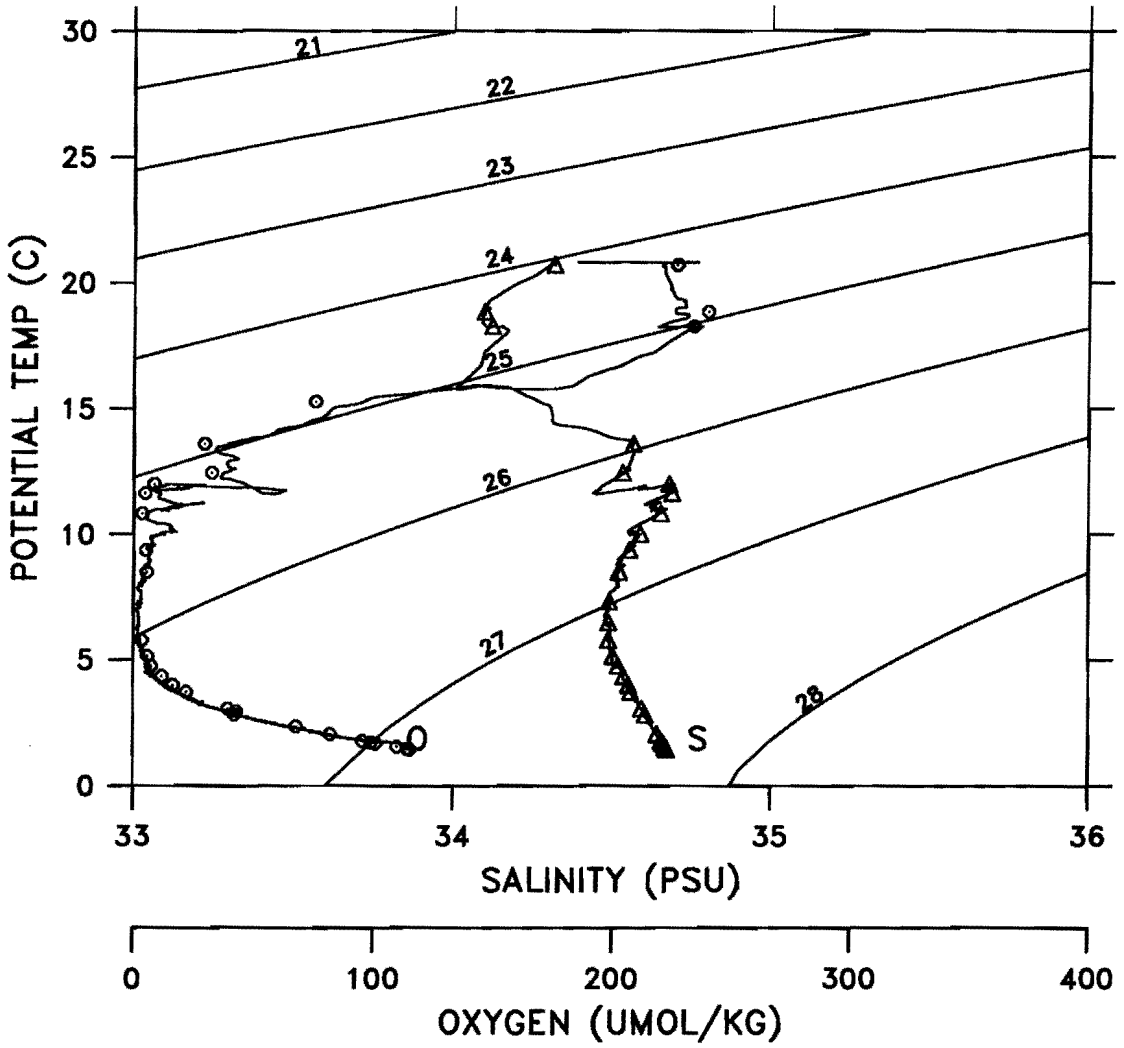


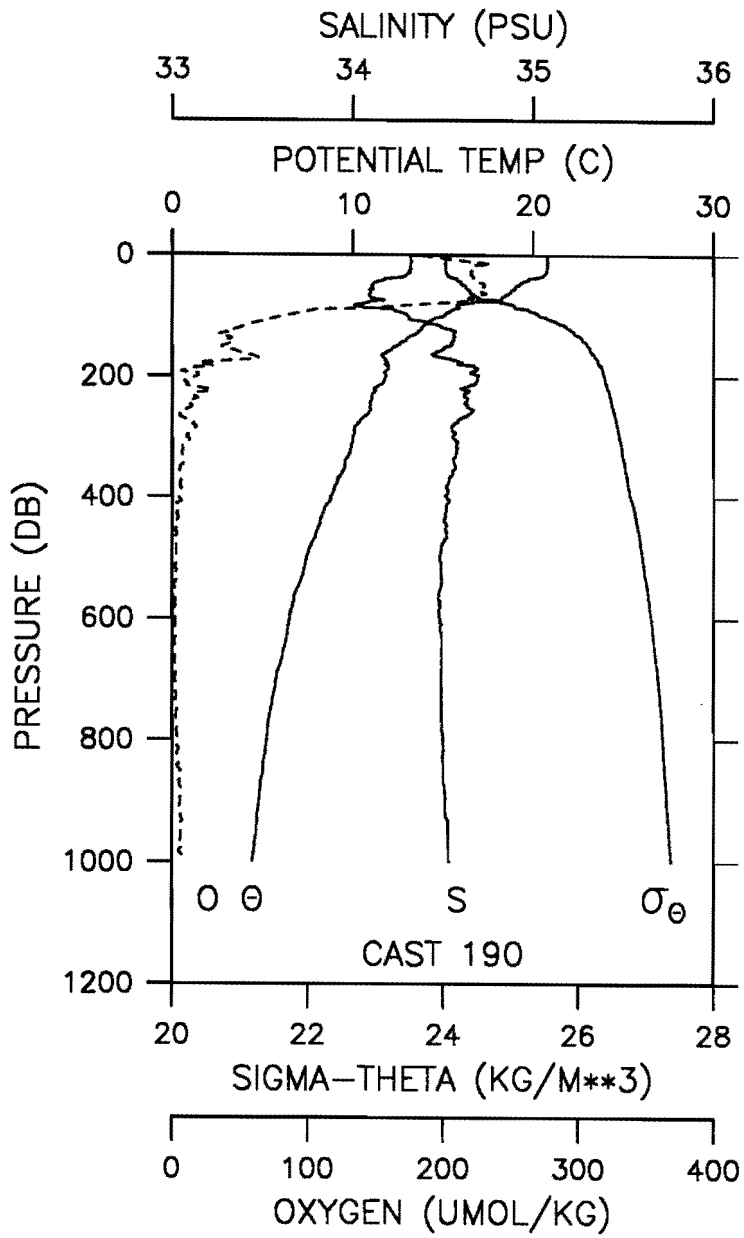
CAST CG3-94-DI -189 DATE 24 APR 94 TIME 2353 GMT
LAT 21 29.9N LONG 110 00.1W WEATHER 2 SEA STATE 4
BAROMETER 13 WIND DIR 270 T SPD 14 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 20.7 WET 17.3 DEPTH 3203 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	21.492	34.379	221.8	23.888	0.000
10	21.472	34.377	221.8	23.892	0.040
20	21.373	34.371	203.6	23.915	0.080
30	21.220	34.347	204.0	23.938	0.120
40	20.288	34.249	204.3	24.114	0.159
50	19.495	34.187	208.0	24.274	0.196
60	19.185	34.185	208.6	24.352	0.232
70	18.551	34.144	211.1	24.482	0.268
80	17.443	34.087	173.3	24.709	0.301
90	15.811	34.000	129.3	25.022	0.333
100	15.342	34.225	86.4	25.300	0.361
110	14.192	34.374	71.5	25.664	0.386
120	13.942	34.410	60.6	25.744	0.409
130	13.781	34.501	44.5	25.848	0.431
140	13.155	34.450	54.7	25.937	0.452
150	13.139	34.611	47.8	26.064	0.473
160	13.109	34.680	23.0	26.124	0.492
170	13.018	34.717	18.5	26.170	0.511
180	12.795	34.708	24.1	26.208	0.530
190	12.400	34.660	27.4	26.248	0.548
200	12.106	34.651	25.4	26.299	0.566
250	10.905	34.622	16.1	26.499	0.649
300	10.031	34.564	14.3	26.607	0.726
350	9.728	34.633	5.5	26.712	0.798
400	8.803	34.560	4.1	26.805	0.866
450	8.385	34.545	3.6	26.858	0.931
500	7.745	34.497	3.6	26.917	0.993
550	7.130	34.482	2.8	26.993	1.052
600	6.673	34.483	2.2	27.056	1.109
650	6.291	34.495	1.8	27.117	1.162
700	5.928	34.489	1.7	27.158	1.212
750	5.694	34.494	2.3	27.191	1.262
800	5.353	34.495	3.6	27.233	1.309
900	4.897	34.512	4.9	27.300	1.399
1000	4.501	34.530	7.2	27.359	1.483
1500	2.953	34.594	36.9	27.565	1.839
2000	2.051	34.639	78.4	27.678	2.121
2500	1.639	34.662	112.0	27.728	2.364
3000	1.451	34.671	115.2	27.749	2.594
3221	1.420	34.673	114.3	27.753	2.696

CAST CG3-94-DI -190 DATE 25 APR 94 TIME 0506 GMT

LAT 21 59.9N LONG 110 00.0W



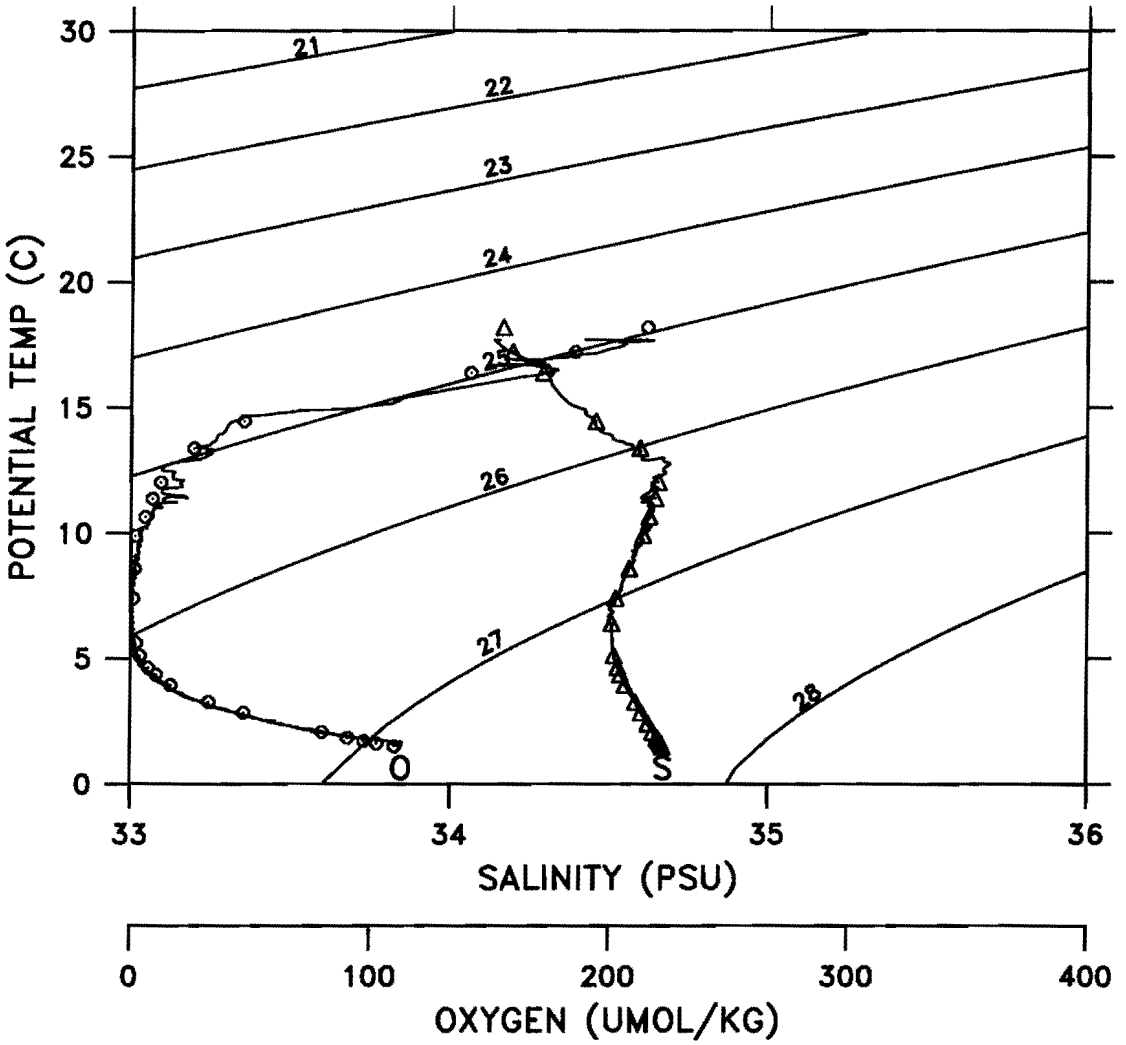


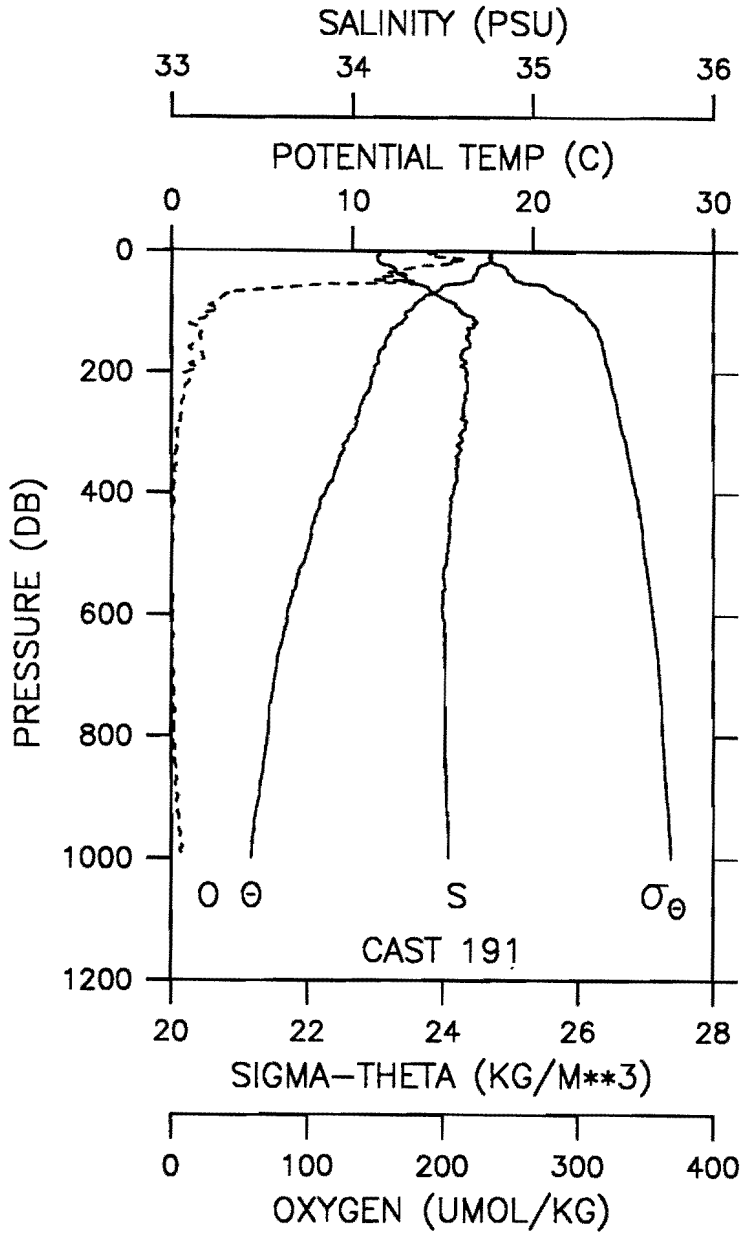
CAST CG3-94-DI -190 DATE 25 APR 94 TIME 0506 GMT
LAT 21 59.9N LONG 110 00.0W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 285 T SPD 18 KT VISIBILITY 7
CLOUD 6 AMOUNT 7 DRY 19.5 WET 16.0 DEPTH 3142 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	20.800	34.320	185.1	24.031	0.000
10	20.799	34.324	217.6	24.035	0.039
20	20.789	34.321	221.9	24.035	0.077
30	20.697	34.306	220.7	24.049	0.116
40	19.715	34.171	223.8	24.205	0.154
50	19.098	34.103	230.5	24.312	0.191
60	18.759	34.099	228.3	24.394	0.227
70	18.263	34.101	219.3	24.520	0.262
80	16.291	34.051	189.8	24.952	0.294
90	15.491	34.228	104.9	25.269	0.323
100	15.059	34.304	84.5	25.423	0.350
110	14.223	34.409	64.1	25.684	0.374
120	13.832	34.501	49.6	25.838	0.397
130	13.472	34.558	35.1	25.956	0.418
140	12.941	34.558	41.4	26.063	0.438
150	12.414	34.533	37.2	26.147	0.457
160	11.855	34.461	48.8	26.198	0.476
170	11.727	34.517	63.7	26.266	0.494
180	11.778	34.579	19.4	26.305	0.512
190	11.874	34.678	10.5	26.363	0.529
200	11.809	34.693	19.2	26.387	0.546
250	10.928	34.633	14.4	26.503	0.627
300	9.972	34.551	10.6	26.607	0.704
350	9.545	34.569	6.1	26.692	0.776
400	8.783	34.520	4.8	26.777	0.846
450	8.075	34.514	4.0	26.881	0.910
500	7.418	34.483	3.1	26.953	0.970
550	6.905	34.484	2.0	27.025	1.028
600	6.493	34.481	2.1	27.078	1.082
650	6.167	34.491	1.6	27.129	1.135
700	5.748	34.488	2.2	27.180	1.185
750	5.440	34.492	3.5	27.221	1.232
800	5.226	34.498	4.2	27.251	1.278
900	4.796	34.511	5.7	27.311	1.367
1000	4.426	34.533	6.7	27.370	1.450
1500	2.978	34.596	38.0	27.564	1.799
2000	2.018	34.641	81.1	27.683	2.082
2500	1.703	34.659	108.0	27.721	2.323
3000	1.465	34.670	116.9	27.748	2.558
3175	1.431	34.672	118.4	27.752	2.639

CAST CG3-94-DI -191 DATE 25 APR 94 TIME 1051 GMT

LAT 22 29.7N LONG 109 59.7W



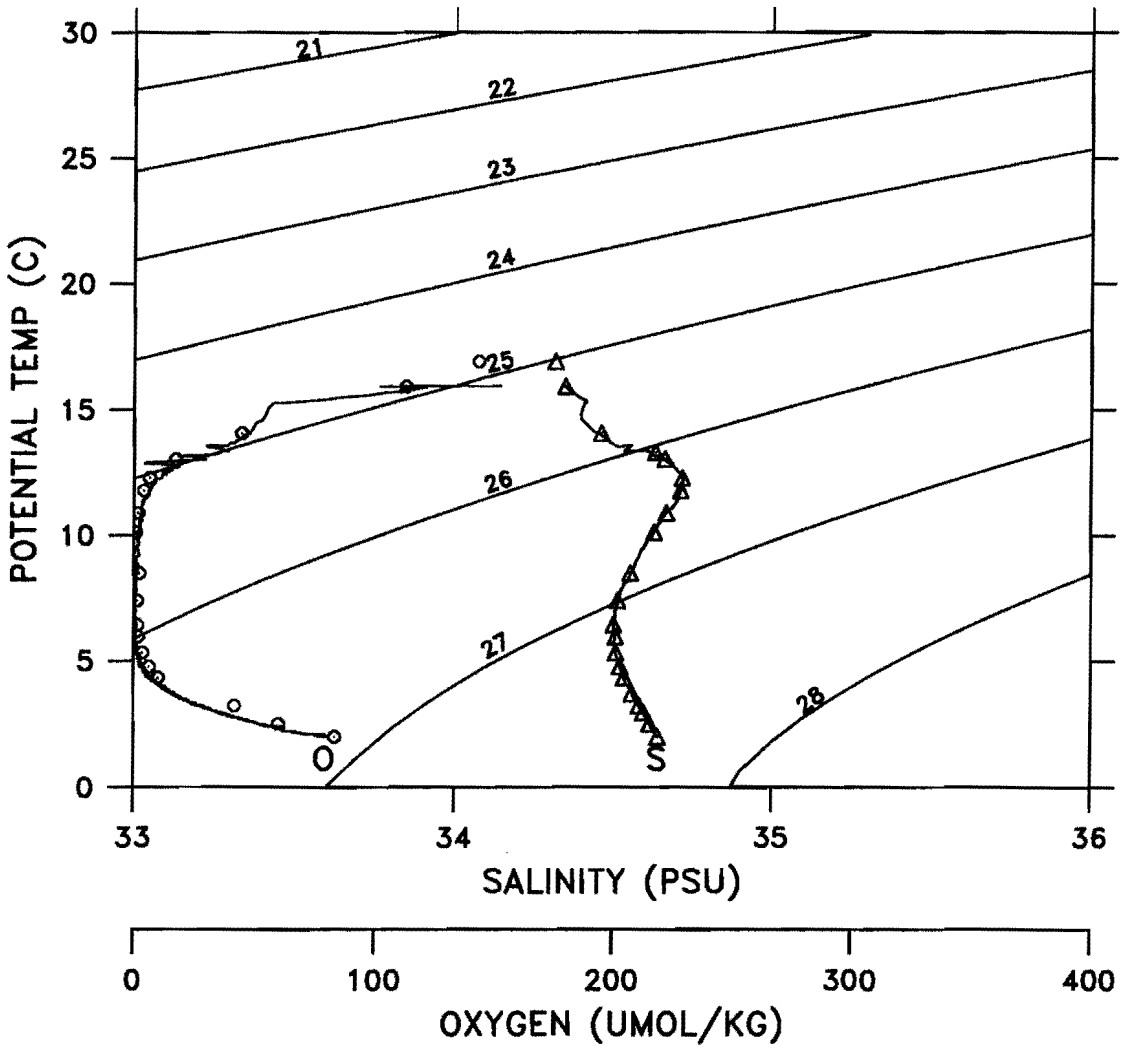


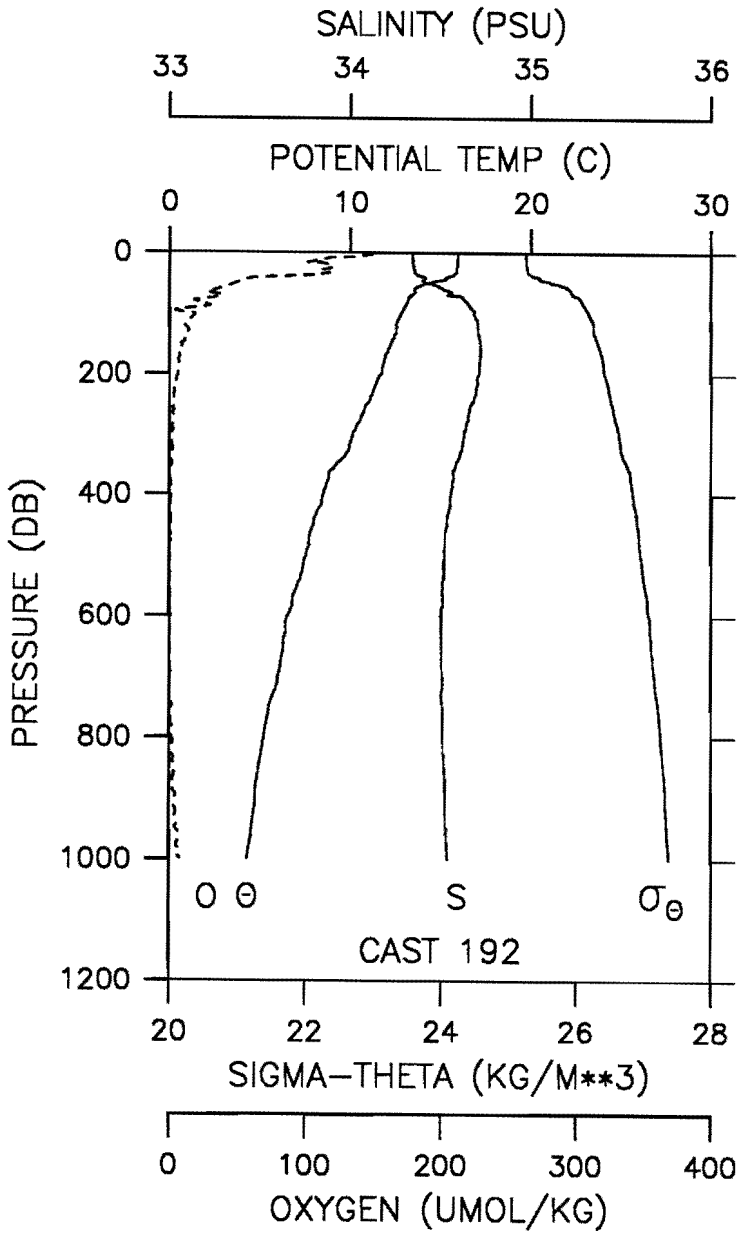
CAST CG3-94-DI -191 DATE 25 APR 94 TIME 1051 GMT
LAT 22 29.7N LONG 109 59.7W WEATHER 1 SEA STATE 5
BAROMETER 12 WIND DIR 305 T SPD 25 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 18.3 WET 15.7 DEPTH 3081 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	17.687	34.153	209.1	24.701	0.000
10	17.695	34.136	201.5	24.686	0.032
20	17.456	34.155	205.2	24.758	0.065
30	16.913	34.238	171.4	24.951	0.095
40	16.728	34.273	166.6	25.021	0.125
50	16.360	34.322	173.1	25.144	0.154
60	14.914	34.418	82.6	25.543	0.180
70	14.385	34.452	41.2	25.683	0.204
80	13.741	34.509	35.5	25.862	0.227
90	13.401	34.569	27.5	25.979	0.247
100	12.951	34.604	29.3	26.096	0.267
110	12.925	34.665	25.2	26.149	0.287
120	12.558	34.667	12.9	26.223	0.305
130	12.113	34.645	19.5	26.293	0.323
140	11.970	34.633	20.5	26.310	0.340
150	11.805	34.647	19.3	26.353	0.358
160	11.668	34.630	12.9	26.365	0.375
170	11.442	34.601	23.1	26.385	0.391
180	11.409	34.617	22.6	26.403	0.408
190	11.217	34.600	15.1	26.425	0.425
200	11.172	34.634	12.6	26.460	0.441
250	10.535	34.621	7.6	26.563	0.519
300	9.949	34.604	3.5	26.652	0.594
350	9.194	34.581	3.3	26.760	0.663
400	8.483	34.559	2.0	26.854	0.729
450	7.834	34.538	0.3	26.936	0.790
500	7.418	34.523	0.7	26.984	0.848
550	6.882	34.509	0.7	27.048	0.905
600	6.384	34.498	0.7	27.107	0.958
650	6.052	34.509	0.7	27.158	1.009
700	5.713	34.510	1.3	27.202	1.057
750	5.405	34.511	1.0	27.240	1.104
800	5.306	34.512	2.4	27.253	1.150
900	4.853	34.520	5.2	27.312	1.238
1000	4.403	34.533	8.0	27.372	1.320
1500	3.006	34.594	37.9	27.561	1.681
2000	2.068	34.639	81.2	27.677	1.965
2500	1.717	34.659	107.9	27.720	2.211
3000	1.521	34.668	112.4	27.742	2.449
3082	1.500	34.669	113.0	27.744	2.488

CAST CG3-94-DI -192 DATE 25 APR 94 TIME 1444 GMT

LAT 22 44.0N LONG 110 00.4W



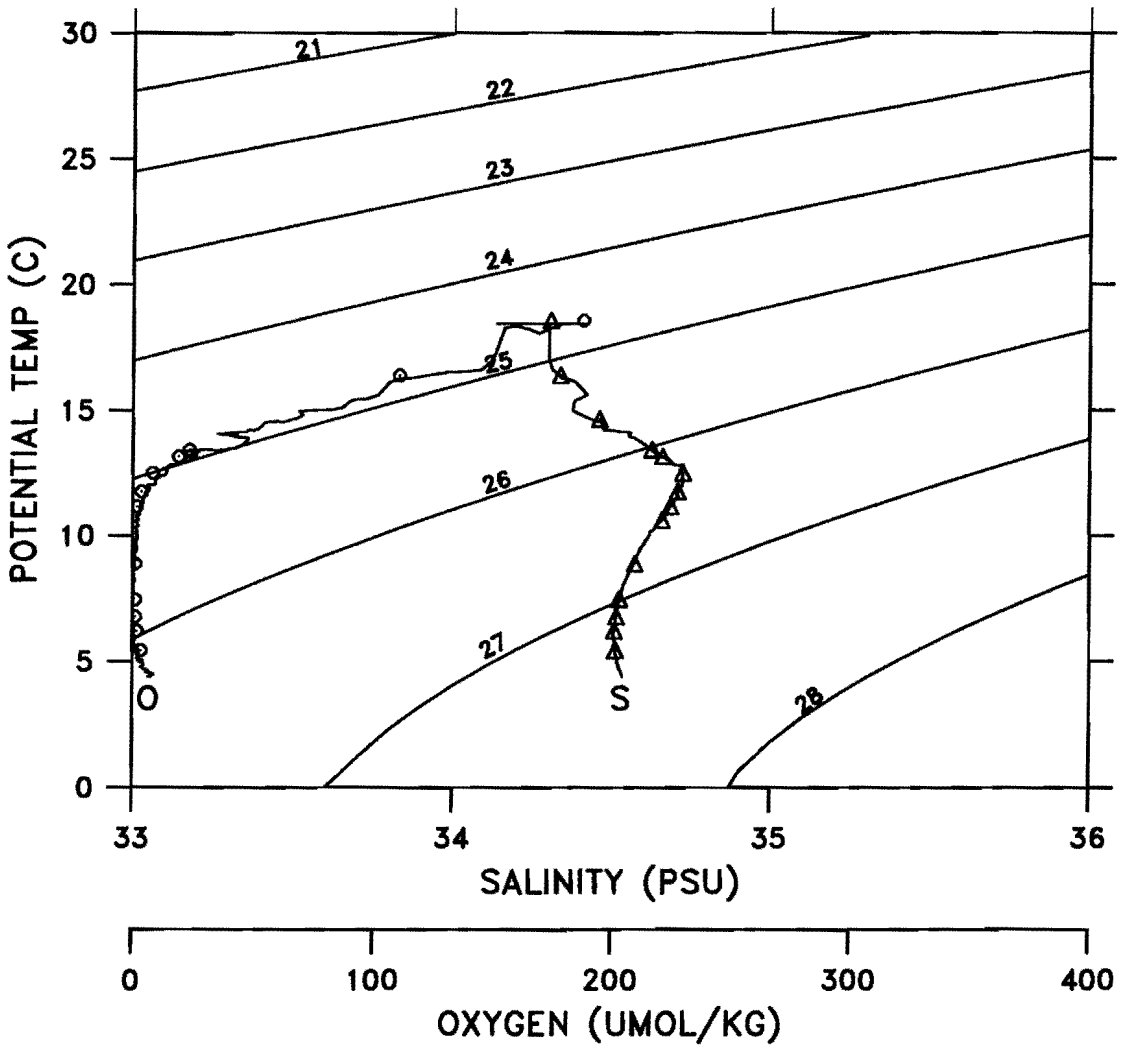


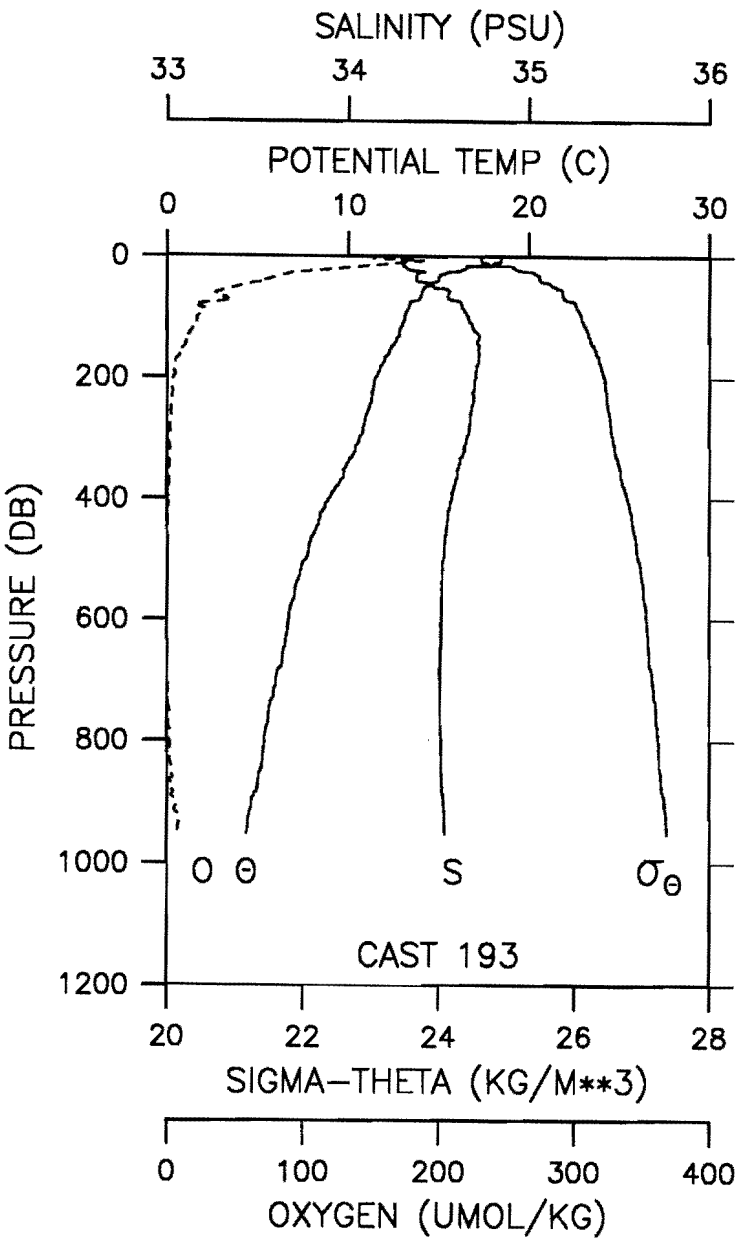
CAST CG3-94-DI -192 DATE 25 APR 94 TIME 1444 GMT
LAT 22 44.0N LONG 110 00.4W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 320 T SPD 20 KT VISIBILITY 6
CLOUD 7 AMOUNT 2 DRY 17.0 WET 15.3 DEPTH 1997 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	15.932	34.345	141.6	25.261	0.000
10	15.927	34.345	114.7	25.261	0.027
20	15.919	34.346	117.4	25.264	0.054
30	15.865	34.353	114.5	25.281	0.081
40	15.353	34.413	74.4	25.443	0.107
50	14.224	34.429	49.3	25.699	0.132
60	13.554	34.510	36.1	25.902	0.154
70	13.357	34.559	39.4	25.980	0.175
80	13.145	34.641	18.7	26.087	0.194
90	12.984	34.665	23.4	26.138	0.213
100	12.797	34.683	18.1	26.189	0.232
110	12.608	34.700	15.9	26.239	0.250
120	12.544	34.704	11.6	26.254	0.268
130	12.522	34.705	13.9	26.260	0.286
140	12.409	34.712	11.6	26.287	0.304
150	12.238	34.718	8.8	26.325	0.321
160	12.075	34.721	8.3	26.359	0.338
170	11.921	34.717	7.4	26.385	0.355
180	11.838	34.714	6.9	26.398	0.372
190	11.773	34.713	6.2	26.409	0.389
200	11.711	34.710	6.3	26.419	0.405
250	10.896	34.668	3.8	26.536	0.485
300	10.151	34.630	1.9	26.637	0.560
350	9.206	34.583	2.1	26.758	0.632
400	8.520	34.556	0.6	26.846	0.697
450	7.972	34.533	1.0	26.912	0.759
500	7.593	34.521	0.5	26.958	0.819
550	7.082	34.510	0.7	27.022	0.876
600	6.519	34.499	1.1	27.089	0.930
650	6.296	34.504	0.7	27.123	0.982
700	5.998	34.508	0.3	27.164	1.033
750	5.534	34.507	1.8	27.221	1.082
800	5.232	34.512	1.7	27.261	1.128
900	4.748	34.524	3.7	27.327	1.214
1000	4.303	34.536	7.5	27.386	1.296
1500	3.092	34.589	32.4	27.549	1.651
2000	2.172	34.633	67.5	27.664	1.944
2087	1.996	34.643	79.2	27.686	1.990

CAST CG3-94-DI -193 DATE 25 APR 94 TIME 1743 GMT

LAT 22 47.8N LONG 110 00.3W



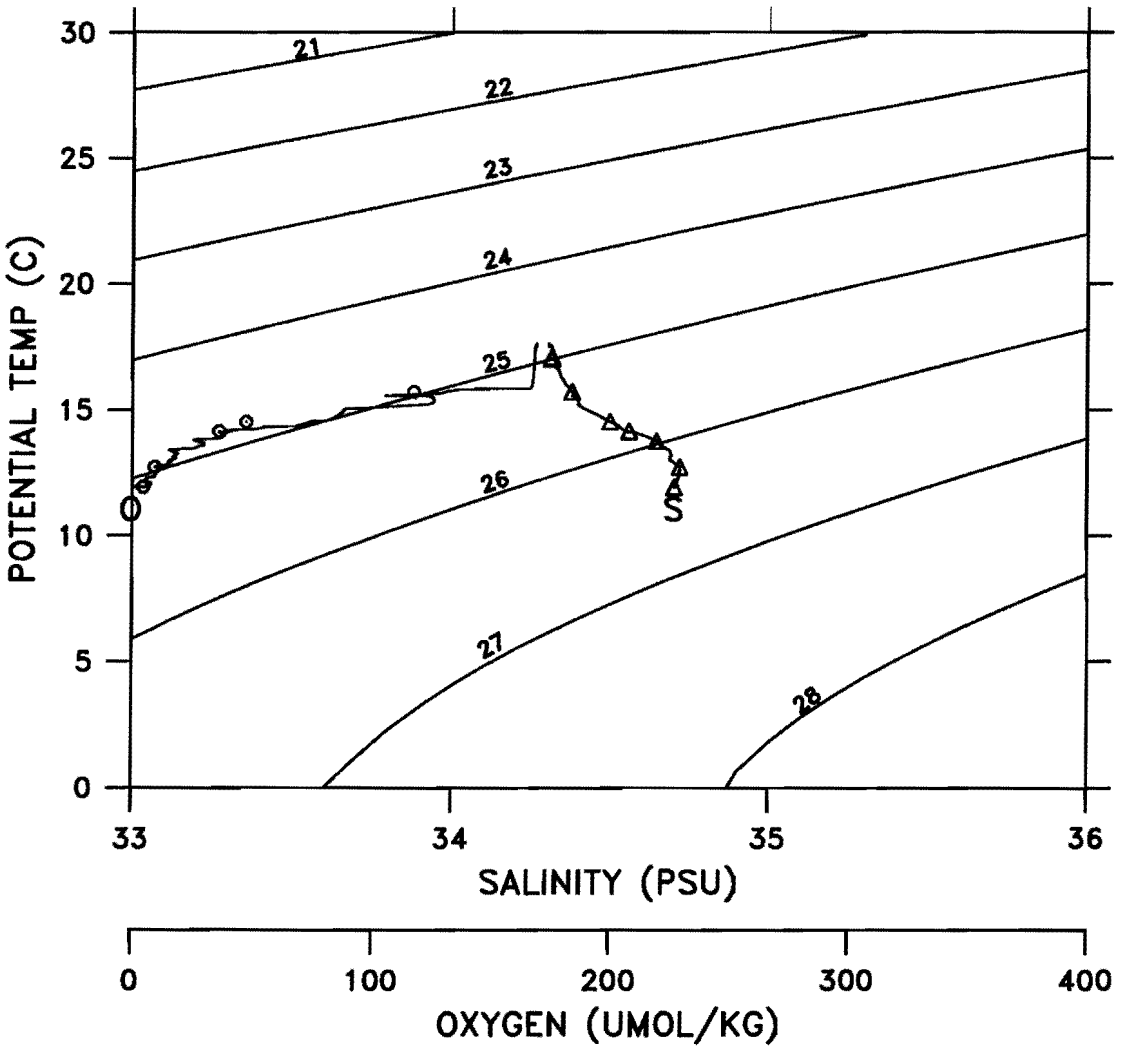


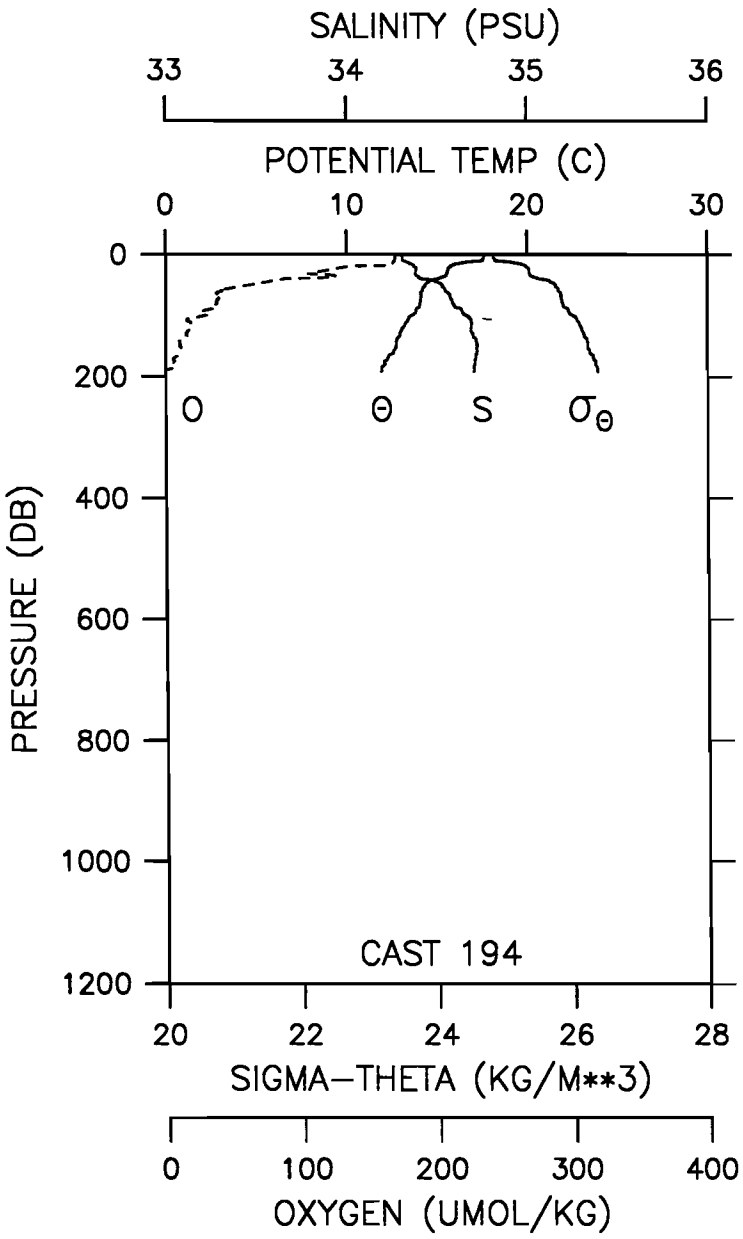
CAST CG3-94-DI -193 DATE 25 APR 94 TIME 1743 GMT
LAT 22 47.8N LONG 110 00.3W WEATHER 1 SEA STATE 4
BAROMETER 14 WIND DIR 300 T SPD 15 KT VISIBILITY 7
CLOUD 6 AMOUNT 1 DRY 18.5 WET 16.5 DEPTH 0967 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	18.440	34.295	156.9	24.625	0.000
10	18.240	34.299	174.2	24.677	0.033
20	16.439	34.329	125.9	25.132	0.064
30	15.111	34.379	86.9	25.469	0.090
40	14.969	34.377	70.6	25.499	0.115
50	14.256	34.472	51.9	25.726	0.139
60	14.071	34.558	35.4	25.831	0.161
70	13.926	34.559	43.4	25.862	0.182
80	13.377	34.627	21.4	26.028	0.203
90	13.216	34.643	26.6	26.074	0.223
100	13.110	34.662	21.5	26.109	0.242
110	13.024	34.678	21.2	26.139	0.261
120	12.856	34.692	18.7	26.183	0.280
130	12.829	34.723	15.6	26.213	0.298
140	12.644	34.715	14.0	26.243	0.316
150	12.386	34.722	12.0	26.299	0.334
160	12.259	34.722	9.3	26.324	0.352
170	12.021	34.720	6.7	26.368	0.369
180	11.836	34.710	6.8	26.396	0.386
190	11.700	34.705	5.1	26.417	0.402
200	11.513	34.702	4.9	26.450	0.418
250	11.172	34.684	3.2	26.499	0.499
300	10.616	34.655	2.4	26.576	0.576
350	9.838	34.608	1.4	26.673	0.651
400	8.957	34.571	0.0	26.790	0.720
450	8.247	34.543	0.7	26.878	0.784
500	7.700	34.528	0.3	26.948	0.845
550	7.073	34.516	0.0	27.027	0.902
600	6.725	34.513	0.0	27.073	0.957
650	6.451	34.508	0.0	27.106	1.010
700	6.009	34.506	0.2	27.162	1.061
750	5.635	34.509	1.7	27.210	1.110
800	5.382	34.512	1.4	27.243	1.157
900	4.651	34.526	5.8	27.339	1.246
952	4.395	34.535	6.6	27.374	1.288

CAST CG3-94-DI -194 DATE 25 APR 94 TIME 1936 GMT

LAT 22 51.1N LONG 110 00.0W





CAST CG3-94-DI -194 DATE 25 APR 94 TIME 1936 GMT
LAT 22 51.1N LONG 110 00.0W WEATHER 1 SEA STATE 4
BAROMETER 14 WIND DIR 305 T SPD 14 KT VISIBILITY 6
CLOUD 8 AMOUNT 1 DRY 20.0 WET 17.0 DEPTH 0190 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	SIG-TH	DELTA-D (DYN-M)
0	17.624	34.308	169.1	24.834	0.000
10	17.560	34.315	168.6	24.856	0.031
20	15.765	34.376	133.7	25.322	0.059
30	15.580	34.382	110.0	25.368	0.085
40	15.056	34.417	88.7	25.511	0.111
50	14.334	34.529	62.5	25.753	0.134
60	14.172	34.548	41.7	25.802	0.156
70	14.108	34.575	37.5	25.836	0.178
80	14.065	34.587	38.0	25.855	0.200
90	13.844	34.635	33.2	25.938	0.221
100	13.573	34.662	30.0	26.015	0.242
110	13.324	34.688	17.0	26.086	0.261
120	13.093	34.687	17.3	26.132	0.280
130	12.944	34.697	15.9	26.170	0.299
140	12.777	34.715	12.3	26.218	0.318
150	12.724	34.721	10.1	26.232	0.336
160	12.589	34.720	10.6	26.258	0.354
170	12.282	34.715	6.2	26.314	0.372
180	12.113	34.710	7.5	26.343	0.389
190	11.951	34.706	0.0	26.371	0.406
192	11.912	34.704	-0.5	26.377	0.410

HYDROGRAPHIC DATA

CAST CG1-94-DI -002 LAT 44 14.1N LONG 129 40.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	11.718	32.528	-9.00	11.717	24.722	221.
400.	5.305	33.947	-9.00	5.272	26.809	221.
801.	3.825	34.277	-9.00	3.767	27.235	241.
1275.	2.922	34.465	-9.00	2.834	27.473	231.
1400.	2.718	34.499	-9.00	2.621	27.519	221.
1524.	2.472	34.505	-9.00	2.369	27.545	241.
1648.	2.259	34.553	-9.00	2.148	27.601	221.
1778.	2.080	34.563	-9.00	1.961	27.625	231.
1894.	1.959	34.584	-9.00	1.832	27.651	231.
2023.	1.885	34.597	-9.00	1.748	27.669	231.
2150.	1.849	34.608	-9.00	1.703	27.680	231.
2276.	1.824	34.611	-9.00	1.666	27.685	231.
2398.	1.819	34.616	-9.00	1.651	27.691	231.
2525.	1.816	34.621	-9.00	1.637	27.696	221.
2651.	1.817	34.622	-9.00	1.626	27.697	231.
2778.	1.826	34.621	-9.00	1.624	27.697	231.
2899.	1.838	34.627	-9.00	1.623	27.702	221.
3026.	1.850	34.623	-9.00	1.623	27.698	231.
3152.	1.860	34.623	-9.00	1.621	27.699	231.
3274.	1.873	34.622	-9.00	1.621	27.698	231.
3400.	1.885	34.623	-9.00	1.620	27.698	231.
3526.	1.899	34.623	-9.00	1.620	27.699	231.
3660.	1.914	34.624	-9.00	1.621	27.699	231.

CAST CG1-94-DI -003 LAT 44 12.0N LONG 129 43.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
1149.	3.185	34.451	-9.00	3.104	27.437	221.
1149.	3.185	34.451	-9.00	3.104	27.437	221.
1151.	3.181	34.450	-9.00	3.100	27.437	221.
1148.	3.182	34.449	-9.00	3.101	27.436	221.
1148.	3.184	34.455	-9.00	3.103	27.440	221.
1149.	3.182	34.444	-9.00	3.101	27.432	231.
1149.	3.181	34.456	-9.00	3.100	27.442	221.
1150.	3.180	34.450	-9.00	3.099	27.437	221.
1149.	3.182	34.453*	-9.00	3.101*	27.439*	251.
1148.	3.184	34.451	-9.00	3.103	27.437	221.
1151.	3.180	34.450	-9.00	3.099	27.437	221.
1150.	3.181	34.453	-9.00	3.100	27.439	221.
1150.	3.182	34.450	-9.00	3.101	27.437	221.
1148.	3.182	34.450	-9.00	3.102	27.437	221.
1150.	3.182	34.452	-9.00	3.101	27.438	221.
1149.	3.183	34.451	-9.00	3.102	27.437	221.
1150.	3.180	34.451	-9.00	3.099	27.438	221.
1150.	3.179	34.450	-9.00	3.098	27.437	221.
1149.	3.176	34.452	-9.00	3.095	27.439	221.
1151.	3.174	34.449	-9.00	3.093	27.437	231.
1250.	2.994	34.469	-9.00	2.907	27.470	231.
1349.	2.778	34.496	-9.00	2.685	27.511	231.
1450.	2.597	34.506	-9.00	2.498	27.535	231.
1554.	2.471	34.526	-9.00	2.365	27.562	221.
1648.	2.271	34.546	-9.00	2.160	27.595	221.
1751.	2.093	34.572	-9.00	1.976	27.631	221.
1850.	2.017	34.578	-9.00	1.893	27.642	231.
1953.	1.929	34.592	-9.00	1.797	27.661	231.
2051.	1.882	34.602	-9.00	1.743	27.673	231.
2153.	1.846	34.611	-9.00	1.699	27.683	221.
2252.	1.829	34.614	-9.00	1.673	27.688	221.
2352.	1.823	34.618	-9.00	1.660	27.692	221.
2449.	1.814	34.620	-9.00	1.642	27.695	221.
2554.	1.812	34.624	-9.00	1.631	27.699	221.
2652.	1.817	34.619	-9.00	1.627	27.695	231.
2747.	1.825	34.633	-9.00	1.625	27.707	231.

* Calculated from CTD values

CAST CG1-94-DI -004 LAT 44 16.6N LONG 129 44.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
26.	11.595	32.524	-9.00	11.592	24.742	221.
52.	11.597	32.521	-9.00	11.590	24.740	221.
74.	11.572	32.523	-9.00	11.562	24.747	221.
97.	9.237	32.739	-9.00	9.227	25.313	221.
123.	8.203	33.031	-9.00	8.190	25.700	221.
148.	7.640	33.403	-9.00	7.625	26.074	221.
198.	7.059	33.758	-9.00	7.041	26.435	221.
247.	6.561	33.876	-9.00	6.539	26.595	221.
299.	6.024	33.913	-9.00	5.998	26.694	221.
400.	5.178	33.961	-9.00	5.146	26.835	221.
499.	4.642	34.051	-9.00	4.604	26.968	221.
600.	4.308	34.125	-9.00	4.263	27.062	221.
699.	4.045	34.209	-9.00	3.994	27.158	221.
801.	3.851	34.276	-9.00	3.793	27.231	221.
903.	3.621	34.338	-9.00	3.556	27.304	221.
1000.	3.364	34.384	-9.00	3.294	27.366	221.
1100.	3.205	34.421	-9.00	3.128	27.411	221.
1200.	3.046	34.452	-9.00	2.962	27.451	221.
1299.	2.835	34.483	-9.00	2.745	27.495	221.
1396.	2.630	34.505	-9.00	2.535	27.531	221.
1499.	2.432	34.529	-9.00	2.331	27.568	221.
1599.	2.284	34.546	-9.00	2.176	27.594	221.
1700.	2.162	34.553	-9.00	2.048	27.610	221.
1800.	2.079	34.575	-9.00	1.958	27.634	221.
1899.	1.977	34.588	-9.00	1.849	27.653	221.
2000.	1.915	34.598	-9.00	1.780	27.667	221.
2097.	1.868	34.607	-9.00	1.726	27.678	221.
2200.	1.828	34.619	-9.00	1.678	27.691	221.
2299.	1.820	34.617	-9.00	1.661	27.691	221.
2397.	1.820	34.629	-9.00	1.652	27.702	231.
2501.	1.817	34.624	-9.00	1.640	27.698	221.
2599.	1.818	34.624	-9.00	1.632	27.698	221.
2700.	1.822	34.625	-9.00	1.627	27.700	221.
2795.	1.828	34.624	-9.00	1.624	27.699	221.
2896.	1.834	34.632	-9.00	1.620	27.706	231.
3017.	1.842	34.643	-9.00	1.617	27.715	241.

CAST CG1-94-DI -005 LAT 44 09.9N LONG 129 45.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	11.754	32.550	-9.00	11.753	24.733	221.
50.	11.748	32.552	-9.00	11.742	24.736	221.
101.	9.137	32.777	-9.00	9.127	25.358	231.
149.	7.519	33.498	-9.00	7.505	26.166	231.
200.	7.060	33.776	-9.00	7.041	26.449	221.
251.	6.475	33.883	-9.00	6.453	26.612	221.
301.	6.045	33.895	-9.00	6.019	26.678	221.
401.	5.184	33.945	-9.00	5.152	26.822	221.
498.	4.720	34.038	-9.00	4.682	26.948	221.
498.	4.719	34.038	-9.00	4.681	26.949	221.
498.	4.720	34.038	-9.00	4.681	26.948	221.
499.	4.718	34.035	-9.00	4.680	26.946	221.
498.	4.719	34.036	-9.00	4.681	26.947	221.
499.	4.717	34.038	-9.00	4.679	26.949	221.
501.	4.718	34.046	-9.00	4.680	26.955	231.
598.	4.415	34.132	-9.00	4.370	27.057	221.
701.	4.103	34.205	-9.00	4.051	27.148	221.
800.	3.853	34.283	-9.00	3.795	27.237	221.
899.	3.610	34.338	-9.00	3.546	27.305	221.
1007.	3.542	34.405	-9.00	3.470	27.366	221.
1099.	3.295	34.436	-9.00	3.217	27.415	221.
1198.	3.100	34.464	-9.00	3.016	27.456	221.
1299.	2.875	34.490	-9.00	2.785	27.498	222.
1401.	2.659	34.511	-9.00	2.563	27.534	221.
1503.	2.516	34.524	-9.00	2.413	27.556	221.
1601.	2.347	34.541	-9.00	2.238	27.585	221.
1701.	2.227	34.557	-9.00	2.113	27.608	221.
1804.	2.091	34.571	-9.00	1.969	27.631	222.
1899.	2.010	34.583	-9.00	1.881	27.647	221.
1997.	1.909	34.600	-9.00	1.774	27.669	221.
2099.	1.878	34.608	-9.00	1.735	27.678	221.
2200.	1.852	34.614	-9.00	1.701	27.685	221.
2273.	1.831	34.620	-9.00	1.674	27.692	221.
2400.	1.825	34.621	-9.00	1.657	27.695	222.
2502.	1.826	34.622	-9.00	1.649	27.696	221.
2570.	1.831	32.670	-9.00	1.656	26.130	241.

CAST CG1-94-DI -006 LAT 44 14.0N LONG 129 40.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	11.464	32.503	-9.00	11.463	24.750	221.
194.	7.143	33.746	-9.00	7.125	26.414	221.
401.	5.272	33.968	-9.00	5.240	26.829	221.
800.	3.884	34.277	-9.00	3.826	27.229	231.
1200.	3.123	34.460	-9.00	3.039	27.451	221.
1398.	2.718	34.502	-9.00	2.622	27.521	231.
1497.	2.501	34.522	-9.00	2.399	27.557	221.
1600.	2.342	34.546	-9.00	2.234	27.589	221.
1699.	2.206	34.560	-9.00	2.092	27.612	221.
1799.	2.088	34.572	-9.00	1.967	27.632	221.
1900.	1.982	34.592	-9.00	1.854	27.656	221.
2002.	1.897	34.601	-9.00	1.762	27.670	221.
2101.	1.851	34.613*	-9.00	1.708*	27.684*	251.
2201.	1.837	34.616	-9.00	1.686	27.688	221.
2303.	1.823	34.617	-9.00	1.664	27.691	221.
2404.	1.820	34.625	-9.00	1.652	27.698	221.
2502.	1.817	34.621	-9.00	1.641	27.695	231.
2502.	1.816	34.625*	-9.00	1.639*	27.699*	251.
2601.	1.818	34.633	-9.00	1.632	27.706	231.
2701.	1.824	34.625	-9.00	1.628	27.700	221.
2800.	1.833	34.626	-9.00	1.628	27.700	221.
2893.	1.839	34.624	-9.00	1.625	27.700	221.
3001.	1.847	34.627	-9.00	1.623	27.702	221.
3095.	1.855	34.625	-9.00	1.622	27.700	231.
3197.	1.865	34.627	-9.00	1.621	27.702	221.
3297.	1.875	34.639	-9.00	1.621	27.711	241.

* Calculated from CTD values

CAST CG1-94-DI -007 LAT 44 18.0N LONG 129 35.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
1202.	3.023	34.462	-9.00	2.940	27.461	221.
1300.	2.794	34.488	-9.00	2.705	27.503	221.
1400.	2.616	34.509	-9.00	2.521	27.536	221.
1500.	2.386	34.522	-9.00	2.285	27.566	221.
1601.	2.260	34.540	-9.00	2.153	27.591	221.
1700.	2.159	34.556	-9.00	2.045	27.613	221.
1798.	2.073	34.574	-9.00	1.953	27.634	221.
1901.	1.967	34.590	-9.00	1.839	27.655	221.
1999.	1.925	34.599	-9.00	1.790	27.667	221.
2099.	1.865	34.623	-9.00	1.722	27.691	241.
2201.	1.839	34.615	-9.00	1.689	27.687	221.
2298.	1.832	34.618	-9.00	1.673	27.691	221.
2398.	1.823	34.624	-9.00	1.655	27.697	221.
2478.	1.808	34.624	-9.00	1.633	27.699	221.

CAST CG2-94-DI -008 LAT 53 22.9S LONG 076 22.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	9.433	34.727	-9.00	9.432	26.835	441.
9.	9.433	34.728	-9.00	9.432	26.835	242.
11.	9.435	34.728	-9.00	9.434	26.835	242.
495.	5.299	34.219	-9.00	5.259	27.026	222.
497.	5.298	34.220	-9.00	5.258	27.027	222.
497.	5.298	34.215	-9.00	5.257	27.023	322.
999.	3.761	34.272	-9.00	3.687	27.239	222.
1001.	3.753	34.275	-9.00	3.679	27.242	222.
1001.	3.750	34.275	-9.00	3.677	27.242	222.
1002.	3.752	34.275	-9.00	3.678	27.242	222.
1002.	3.751	34.275	-9.00	3.677	27.242	222.
1001.	3.749	34.274	-9.00	3.676	27.242	222.
1442.	2.760	34.502	-9.00	2.660	27.518	222.
1440.	2.762	34.502	-9.00	2.662	27.518	222.
1442.	2.763	34.508	-9.00	2.663	27.522	232.
1441.	2.764	34.501	-9.00	2.664	27.517	222.
1441.	2.763	34.502	-9.00	2.663	27.517	221.
1438.	2.766	34.501	-9.00	2.666	27.517	222.
1443.	2.760	34.503	-9.00	2.660	27.519	222.
1639.	2.576	34.566	-9.00	2.462	27.586	222.
1640.	2.576	34.565	-9.00	2.461	27.585	221.
1638.	2.576	34.565	-9.00	2.462	27.585	222.
1641.	2.575	34.565	-9.00	2.460	27.585	222.
1642.	2.574	34.565	-9.00	2.460	27.585	222.
1640.	2.575	34.569	-9.00	2.461	27.589	222.
1642.	2.575	34.566	-9.00	2.460	27.586	222.
1843.	2.390	34.604	-9.00	2.262	27.634	222.
1838.	2.395	34.604	-9.00	2.266	27.633	222.
1838.	2.394	34.604	-9.00	2.266	27.633	222.
1841.	2.393	34.604	-9.00	2.264	27.633	222.
1841.	2.394	34.604	-9.00	2.265	27.633	421.
1841.	2.396	34.123	-9.00	2.269	27.247	242.
1839.	2.395	34.604	-9.00	2.266	27.633	222.

CAST CG2-94-DI -009 LAT 61 13.2S LONG 090 10.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
24.	4.763	34.006	-9.00	4.761	26.914	222.
24.	4.756	34.006	-9.00	4.755	26.915	222.
24.	4.755	34.006	-9.00	4.753	26.915	222.
26.	4.763	34.006	-9.00	4.761	26.914	222.
26.	4.771	34.006	-9.00	4.769	26.914	222.
24.	4.777	34.006	-9.00	4.775	26.913	222.
26.	4.776	34.006	-9.00	4.774	26.912	222.
25.	4.766	34.006	-9.00	4.765	26.914	222.
25.	4.768	34.006	-9.00	4.766	26.914	222.
26.	4.770	34.005	-9.00	4.768	26.913	222.
26.	4.763	34.005	-9.00	4.761	26.913	222.
188.	2.312	34.055	-9.00	2.302	27.190	222.
188.	2.311	34.055	-9.00	2.301	27.190	222.
186.	2.312	34.055	-9.00	2.302	27.190	222.
1382.	2.131	34.672*	-9.00	2.042*	27.705*	251.
1381.	2.131	34.672*	-9.00	2.042*	27.706*	251.
1381.	2.132	34.672*	-9.00	2.043*	27.705*	251.
1381.	2.131	34.672*	-9.00	2.042*	27.706*	251.
1380.	2.131	34.672	-9.00	2.042	27.706	222.
1379.	2.131	34.672	-9.00	2.042	27.706	222.
1382.	2.130	34.672	-9.00	2.041	27.706	222.
1382.	2.131	34.672	-9.00	2.042	27.706	222.
1380.	2.130	34.672	-9.00	2.041	27.706	222.
1806.	1.875	34.721*	-9.00	1.756*	27.767*	251.
1806.	1.875	34.721*	-9.00	1.756*	27.767*	251.
1803.	1.875	34.721*	-9.00	1.757*	27.767*	251.
1807.	1.874	34.721*	-9.00	1.755*	27.767*	251.
1805.	1.875	34.722*	-9.00	1.756*	27.768*	251.
1806.	1.874	34.721	-9.00	1.755	27.767	222.
1804.	1.875	34.722	-9.00	1.757	27.768	222.
1803.	1.875	34.721	-9.00	1.757	27.767	222.
1804.	1.876	34.721	-9.00	1.757	27.767	322.
1806.	1.877	34.721	-9.00	1.758	27.767	222.

* Calculated from CTD values

CAST CG2-94-DI -010 LAT 66 59.8S LONG 103 0.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	2.227	33.475	323.07	2.226	26.733	222.
25.	2.079	33.699	327.82	2.078	26.923	222.
48.	0.490	33.790	344.92	0.488	27.104	222.
78.	-0.407	33.873	344.30	-0.410	27.216	222.
99.	-0.395	33.896	340.40	-0.398	27.234	222.
150.	-0.041	33.974*	-9.00	-0.047*	27.280*	251.
198.	1.089	34.125	268.94	1.080	27.337	222.
249.	2.044	34.284	216.75	2.031	27.396	222.
290.	2.118	34.346	202.83	2.102	27.439	222.
400.	2.136	34.456	184.03	2.113	27.527	222.
498.	2.168	34.532	175.11	2.139	27.585	222.
599.	2.175	34.588	172.30	2.140	27.630	222.
709.	2.143	34.636	172.66	2.101	27.672	222.
705.	2.145	34.634	172.98	2.103	27.670	222.
893.	2.048	34.685	177.76	1.994	27.720	222.
998.	1.981	34.701	-9.00	1.921	27.739	221.
1193.	1.844	34.724	185.30	1.771	27.768	222.
1398.	1.666	34.730	189.81	1.580	27.788	222.
1599.	1.499	34.730	192.46	1.401	27.801	222.
1800.	1.357	34.728	194.61	1.246	27.810	222.
1994.	1.239	34.725	196.48	1.115	27.816	222.
2249.	1.084	34.719	199.19	0.941	27.824	222.
2497.	0.970	34.715*	-9.00	0.809*	27.829*	491.
2748.	0.848	34.710	203.57	0.668	27.834	222.
2997.	0.758	34.707	205.29	0.557	27.838	222.
3289.	0.628	34.704	208.00	0.404	27.845	222.
3597.	0.500	34.703	210.58	0.249	27.853	222.
3892.	0.422	34.702	212.58	0.145	27.858	222.
4199.	0.366	34.702	213.96	0.059	27.863	222.
4497.	0.349	34.701	215.21	0.011	27.865	322.
4497.	0.349	34.703	215.05	0.010	27.866	222.
4810.	0.357	34.702	215.69	-0.017	27.866	322.

CAST CG2-94-DI -011 LAT 66 29.8S LONG 102 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
12.	1.720	33.573	329.06	1.719	26.849	222.
24.	1.720	33.572	328.94	1.719	26.849	222.
47.	1.343	33.591	332.50	1.341	26.890	222.
74.	-1.469	33.771	349.57	-1.471	27.173	222.
99.	-1.263	33.837	345.22	-1.265	27.220	226.
151.	-0.545	33.949	324.64	-0.550	27.284	222.
202.	1.237	34.195	247.48	1.227	27.383	222.
297.	1.945	34.407	195.18	1.929	27.502	222.
402.	2.079	34.500	180.22	2.056	27.567	222.
498.	2.105	34.563	174.35	2.076	27.616	222.
598.	2.088	34.612	173.35	2.054	27.656	222.
698.	2.098	34.654	174.15	2.057	27.690	222.
802.	2.033	34.677	176.48	1.986	27.714	222.
698.	2.098	34.654*	173.80	2.057*	27.690*	252.
902.	2.001	34.693	178.77	1.947	27.730	222.
996.	1.936	34.705	180.69	1.877	27.745	222.
1198.	1.801	34.724	186.14	1.729	27.772	226.
1397.	1.659	34.730	189.34	1.573	27.788	222.
1602.	1.490	34.730	192.19	1.392	27.801	222.
1800.	1.348	34.727	194.46	1.237	27.810	222.
1981.	1.245	34.724	196.14	1.122	27.815	222.
2200.	1.118	34.720	198.58	0.979	27.821	222.
2498.	0.972	34.714	201.07	0.811	27.828	222.
2746.	0.864	34.710	203.07	0.684	27.832	222.
2999.	0.777	34.708	205.38	0.576	27.838	222.
3301.	0.651	34.704	207.08	0.425	27.844	222.
3600.	0.538	34.702	209.67	0.287	27.850	226.
3898.	0.452	34.701	211.87	0.173	27.856	222.
4197.	0.404	34.701	213.42	0.096	27.860	222.
4498.	0.376	34.701	214.38	0.036	27.863	222.
4499.	0.376	34.702	214.21	0.036	27.864	222.
4876.	0.370	34.701	214.52	-0.012	27.865	222.
4876.	0.370	34.701	216.96	-0.012	27.865	222.

* Calculated from CTD values

CAST CG2-94-DI -012 LAT 66 00.0S LONG 102 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	1.656	33.634	329.26	1.656	26.903	222.
25.	1.658	33.635	329.12	1.657	26.904	222.
46.	1.495	33.679	330.41	1.493	26.950	222.
75.	-0.705	33.807	348.12	-0.707	27.176	222.
101.	-0.549	33.861	345.37	-0.552	27.213	222.
144.	-0.172	33.950*	-9.00	-0.177*	27.268*	491.
199.	1.024	34.109*	-9.00	1.015*	27.328*	491.
301.	2.135	34.366	199.47	2.118	27.455	222.
366.	2.237	34.440	184.89	2.216	27.506	222.
496.	2.199	34.526	175.44	2.170	27.578	226.
605.	2.171	34.585	172.53	2.136	27.628	222.
696.	2.160	34.624	172.40	2.119	27.661	222.
800.	2.120	34.653	174.05	2.072	27.688	222.
895.	2.071	34.679	176.42	2.017	27.713	226.
995.	2.017	34.696	179.07	1.957	27.731	222.
1200.	1.881	34.718	184.11	1.808	27.761	222.
1398.	1.733	34.728	187.95	1.647	27.781	222.
1603.	1.575	34.731	190.95	1.475	27.796	222.
1796.	1.438	34.730	193.21	1.325	27.806	222.
2003.	1.299	34.726	195.19	1.173	27.814	222.
2246.	1.159	34.722	197.76	1.015	27.821	222.
2501.	1.019	34.716	200.16	0.857	27.827	222.
2753.	0.902	34.712	202.87	0.720	27.832	222.
2999.	0.808	34.708	204.33	0.607	27.836	222.
3246.	0.711	34.706	206.88	0.489	27.841	222.
3500.	0.604	34.705	208.56	0.360	27.848	222.
3750.	0.519	34.703	210.40	0.253	27.853	222.
3997.	0.460	34.702	211.78	0.170	27.857	222.
4250.	0.416	34.701	213.41	0.101	27.860	222.
4500.	0.384	34.702	214.42	0.044	27.864	222.
4748.	0.376	34.701	215.05	0.008	27.864	222.
4748.	0.376	34.704	215.78	0.008	27.867	222.
4927.	0.377	34.701	215.25	-0.011	27.866	222.

CAST CG2-94-DI -013 LAT 65 29.9S LONG 102 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	2.058	33.709	328.58	2.057	26.933	222.
27.	2.058	33.708	328.11	2.056	26.932	222.
50.	1.999	33.710	328.66	1.997	26.938	222.
73.	-0.786	33.806	350.12	-0.788	27.177	322.
99.	-0.169	33.896	342.28	-0.172	27.223	222.
149.	0.018	33.966*	-9.00	0.013*	27.271*	351.
201.	1.002	34.083	283.89	0.993	27.308	222.
250.	1.992	34.259	225.60	1.979	27.379	222.
296.	2.148	34.332	206.40	2.131	27.426	222.
402.	2.136	34.430	189.10	2.114	27.506	222.
496.	2.150	34.506	179.85	2.122	27.566	222.
599.	2.198	34.573	173.60	2.163	27.617	222.
700.	2.173	34.617	173.04	2.132	27.655	222.
797.	2.140	34.648	174.17	2.093	27.682	222.
836.	2.119	34.659	175.22	2.069	27.693	222.
997.	2.030	34.693	179.25	1.970	27.728	222.
1204.	1.912	34.715	184.35	1.838	27.756	222.
1399.	1.759	34.728	188.89	1.672	27.779	222.
1598.	1.594	34.731	192.00	1.495	27.795	222.
1797.	1.445	34.729	193.97	1.332	27.805	222.
1999.	1.314	34.726	196.22	1.188	27.812	222.
2251.	1.168	34.721	198.89	1.023	27.819	222.
2497.	1.033	34.717	201.41	0.871	27.826	222.
2749.	0.920	34.712	203.59	0.738	27.831	222.
2996.	0.812	34.708	205.71	0.611	27.836	222.
3246.	0.714	34.706	208.12	0.492	27.841	222.
3499.	0.607	34.704	209.85	0.363	27.847	222.
3749.	0.507	34.702	212.00	0.242	27.853	222.
3996.	0.438	34.704*	-9.00	0.149*	27.859*	351.
4250.	0.393	34.701	215.17	0.079	27.861	222.
4500.	0.370	34.701	216.30	0.031	27.863	226.
4749.	0.363	34.701	217.23	-0.004	27.865	226.
4973.	0.370	34.701	216.31	-0.022	27.866	226.

* Calculated from CTD values

CAST CG2-94-DI -014 LAT 64 59.9S LONG 103 0.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	2.636	33.819*	322.40	2.635*	26.974*	252.
25.	2.639	33.820	322.33	2.637	26.975	222.
50.	2.641	33.826	322.27	2.638	26.979	222.
73.	0.840	33.907	339.26	0.836	27.177	222.
98.	0.452	33.951	335.91	0.448	27.236	222.
150.	0.155	33.978	325.31	0.150	27.273	222.
197.	0.385	34.020	311.70	0.377	27.295	222.
299.	2.260	34.317	207.68	2.243	27.405	222.
399.	2.335	34.431	185.85	2.312	27.491	222.
502.	2.282	34.497	178.18	2.252	27.548	222.
603.	2.211	34.551	175.35	2.175	27.598	222.
699.	2.210	34.600	172.96	2.168	27.638	222.
799.	2.147	34.633	173.66	2.100	27.670	222.
898.	2.112	34.661	175.06	2.058	27.695	222.
999.	2.065	34.685	177.86	2.004	27.719	222.
1197.	1.942	34.712	182.64	1.869	27.751	222.
1398.	1.792	34.725	187.39	1.705	27.774	222.
1601.	1.633	34.730	190.71	1.533	27.791	222.
1802.	1.483	34.729	193.17	1.370	27.803	222.
1995.	1.364	34.727	195.19	1.237	27.810	222.
2249.	1.199	34.724	197.87	1.054	27.820	222.
2500.	1.042	34.717*	-9.00	0.879*	27.826*	351.
2752.	0.927	34.712	203.03	0.745	27.831	222.
2998.	0.821	34.708	205.02	0.619	27.836	222.
3223.	0.740	34.706	206.57	0.520	27.839	222.
3496.	0.630	34.704	208.75	0.386	27.846	222.
3749.	0.522	34.703	211.43	0.256	27.852	222.
4001.	0.444	34.702	213.41	0.155	27.858	222.
4237.	0.399	34.701	214.62	0.087	27.860	222.
4500.	0.373	34.701	215.69	0.033	27.863	222.
4752.	0.368	34.703*	-9.00	0.001*	27.867*	351.
4749.	0.368	34.701	216.13	0.001	27.865	222.
5025.	0.375	34.702*	215.93	-0.024*	27.867*	292.

CAST CG2-94-DI -015 LAT 64 29.9S LONG 102 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	2.656	33.858	322.10	2.655	27.004	222.
26.	2.653	33.858	322.08	2.652	27.004	222.
50.	2.647	33.859	322.23	2.644	27.006	222.
75.	1.548	33.983	328.51	1.545	27.191	222.
99.	1.263	34.012	324.27	1.259	27.234	222.
151.	1.145	34.013	322.12	1.139	27.243	222.
201.	0.948	34.014	320.57	0.939	27.257	222.
298.	2.299	34.237	229.91	2.283	27.338	226.
402.	2.483	34.379	193.51	2.459	27.437	222.
486.	2.414	34.436	184.06	2.385	27.489	222.
599.	2.325	34.516	175.82	2.289	27.561	222.
698.	2.240	34.563	173.13	2.198	27.606	222.
799.	2.168	34.607	173.63	2.120	27.647	222.
896.	2.165	34.644	173.99	2.110	27.678	222.
998.	2.106	34.666	175.82	2.045	27.700	226.
1202.	2.007	34.702	181.36	1.932	27.739	222.
1398.	1.864	34.721	186.01	1.776	27.765	222.
1600.	1.709	34.729	189.37	1.609	27.784	222.
1799.	1.537	34.730	192.42	1.423	27.799	222.
1991.	1.406	34.726	195.11	1.279	27.806	222.
2248.	1.254	34.723	197.24	1.109	27.815	222.
2498.	1.094	34.718	200.45	0.931	27.823	222.
2749.	0.966	34.713	202.76	0.783	27.829	222.
3004.	0.857	34.708	204.59	0.654	27.833	222.
3244.	0.755	34.705	206.50	0.532	27.838	222.
3498.	0.633	34.703	208.70	0.389	27.845	222.
3727.	0.556	34.702	210.69	0.291	27.850	222.
4001.	0.467	34.701	212.47	0.178	27.856	222.
4248.	0.402	34.701	214.52	0.088	27.860	222.
4502.	0.375	34.701	215.70	0.034	27.863	222.
4750.	0.374	34.701	216.10	0.006	27.864	222.
4750.	0.374	34.701	216.18	0.007	27.865	222.
5063.	0.382	34.701	216.64	-0.022	27.866	222.

* Calculated from CTD values

CAST CG2-94-DI -016 LAT 63 59.5S LONG 102 59.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	2.794	33.890	321.26	2.794	27.018	222.
26.	2.795	33.890	320.69	2.794	27.017	222.
49.	2.794	33.891	320.43	2.791	27.018	222.
75.	2.066	33.962	326.24	2.062	27.135	222.
98.	1.206	34.005	326.07	1.202	27.232	222.
148.	1.100	34.011	322.80	1.094	27.244	222.
207.	1.003	34.018	315.90	0.994	27.256	222.
297.	2.360	34.250	225.75	2.343	27.344	222.
399.	2.354	34.345	202.52	2.331	27.420	222.
498.	2.324	34.429*	-9.00	2.295*	27.490*	351.
596.	2.299	34.502	178.98	2.264	27.551	222.
701.	2.226	34.561	173.91	2.184	27.605	222.
805.	2.200	34.598	174.73	2.152	27.638	222.
902.	2.155	34.636	174.20	2.101	27.672	222.
1003.	2.105	34.663	176.61	2.043	27.698	222.
1201.	2.005	34.700	180.39	1.931	27.737	222.
1400.	1.855	34.722	185.85	1.768	27.767	222.
1601.	1.718	34.728	189.60	1.617	27.783	222.
1801.	1.545	34.731	192.86	1.430	27.800	222.
2001.	1.406	34.727	194.40	1.278	27.807	222.
2250.	1.257	34.723	197.18	1.112	27.815	222.
2502.	1.097	34.718	200.45	0.933	27.823	222.
2752.	0.995	34.714	202.48	0.811	27.828	222.
2998.	0.874	34.709	204.44	0.671	27.833	222.
3250.	0.778	34.706	-9.00	0.554	27.838	221.
3501.	0.669	34.698	208.76	0.424	27.839	232.
3750.	0.559	34.702	210.96	0.292	27.850	222.
4001.	0.468	34.702	212.42	0.178	27.856	222.
4247.	0.416	34.701	215.71	0.102	27.860	222.
4499.	0.393	34.701	213.11	0.053	27.862	222.
4749.	0.384	34.701	215.52	0.016	27.864	222.
4999.	0.381	34.701	216.79	-0.015	27.866	226.
5093.	0.387	34.701	215.36	-0.020	27.866	222.

* Calculated from CTD values

CAST CG2-94-DI -017 LAT 63 30.0S LONG 102 59.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
4.	2.676	33.838*	322.46	2.676*	26.986*	252.
25.	2.687	33.836	322.68	2.686	26.983	222.
48.	2.777	33.872	322.10	2.775	27.005	222.
76.	2.578	33.885*	322.32	2.574*	27.032*	252.
99.	0.765	33.944*	337.10	0.761*	27.211*	292.
197.	0.769	34.027	306.41	0.761	27.278	222.
303.	2.332	34.301	211.77	2.315	27.386	222.
397.	2.392	34.406*	189.68	2.369*	27.466*	252.
501.	2.335	34.473	180.24	2.306	27.525	222.
598.	2.270	34.534	175.51	2.235	27.579	222.
803.	2.169	34.621	173.79	2.121	27.658	222.
998.	2.091	34.675*	177.39	2.030*	27.709*	292.
1206.	1.984	34.704	181.40	1.909	27.742	222.
1400.	1.853	34.723*	186.08	1.765*	27.768*	252.
1799.	1.533	34.728	193.12	1.419	27.798	222.
2197.	1.271	34.724	197.49	1.130	27.815	222.
2602.	1.043	34.717	202.12	0.872	27.826	222.
3000.	0.866	34.714	204.65	0.663	27.837	222.
3404.	0.701	34.705	207.82	0.464	27.842	222.
3799.	0.523	34.703	211.51	0.252	27.852	222.
4204.	0.411	34.702	215.27	0.102	27.860	222.
4600.	0.379	34.701	215.91	0.028	27.864	222.
4999.	0.383	34.701	216.85	-0.013	27.866	222.
5108.	0.389	34.702*	216.54	-0.020*	27.867*	292.

CAST CG2-94-DI -018 LAT 63 0.1S LONG 102 58.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
7.	3.374	33.937	315.24	3.373	27.002	222.
25.	3.365	33.936	315.34	3.363	27.002	222.
52.	3.385	33.940	315.30	3.382	27.004	222.
96.	1.835	34.025*	313.71	1.831*	27.204*	292.
150.	1.488	34.027	314.11	1.480	27.230	222.
198.	1.216	34.018*	316.29	1.207*	27.242*	292.
303.	2.044	34.178*	-9.00	2.028*	27.311*	291.
400.	2.492	34.324*	205.95	2.469*	27.392*	292.
498.	2.442	34.412*	188.07	2.413*	27.467*	292.
602.	2.413	34.493*	178.12	2.377*	27.535*	292.
703.	2.336	34.544	173.72	2.293	27.583	222.
800.	2.280	34.588*	172.27	2.231*	27.623*	292.
1010.	2.177	34.650*	174.27	2.114*	27.682*	292.
1196.	2.072	34.687	178.82	1.997	27.721	222.
1395.	1.944	34.713	183.57	1.855	27.753	222.
1791.	1.622	34.728	-9.00	1.508	27.791	321.
2197.	1.324	34.726*	196.19	1.181*	27.813*	292.
2596.	1.107	34.720*	200.29	0.935*	27.825*	292.
2987.	0.898	34.711	203.92	0.696	27.833	222.
3405.	0.732	34.706	207.34	0.494	27.841	222.
3800.	0.544	34.704*	211.40	0.273*	27.853*	292.
4203.	0.428	34.702	212.87	0.119	27.860	222.
4601.	0.379	34.703*	217.14	0.028*	27.865*	292.
4910.	0.377	34.702	-9.00	-0.008	27.866	221.

CAST CG2-94-DI -019 LAT 62 29.7S LONG 103 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
13.	3.448	33.941*	315.49	3.447*	26.998*	292.
20.	3.449	33.942	314.72	3.447	26.999	222.
47.	3.442	33.944	315.69	3.439	27.001	222.
99.	1.885	34.040	315.26	1.880	27.211	222.
153.	1.648	34.025	317.81	1.641	27.218	222.
197.	1.559	34.029	316.45	1.549	27.228	222.
298.	1.554	34.061	-9.00	1.540	27.254	221.
397.	2.338	34.227	234.30	2.315	27.327	222.
496.	2.584	34.351	199.53	2.554	27.407	222.
600.	2.495	34.618	186.02	2.458	27.628	242.
801.	2.322	34.553	174.04	2.273	27.591	222.
998.	2.204	34.624	173.71	2.142	27.659	222.
1202.	2.073	34.689*	178.49	1.998*	27.723*	292.
1400.	1.904	34.718	184.74	1.816	27.760	222.
1803.	1.481	34.724	189.98	1.367	27.798	222.
2199.	1.419	34.722	192.00	1.275	27.803	222.
2604.	1.328	34.719	195.55	1.151	27.810	222.
3000.	1.048	34.719	199.52	0.841	27.830	222.
3398.	0.829	34.709	205.83	0.590	27.838	222.
3796.	0.596	34.705	209.95	0.323	27.850	222.
4196.	0.455	34.704*	214.37	0.145*	27.859*	292.
4599.	0.390	34.702	215.27	0.039	27.864	222.
4994.	0.386	34.701	216.51	-0.010	27.866	222.
5158.	0.394	34.702	216.55	-0.021	27.867	222.

* Calculated from CTD values

CAST CG2-94-DI -020 LAT 61 59.8S LONG 102 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	3.478	33.976	314.33	3.477	27.024	222.
9.	3.495	33.976	315.10	3.494	27.022	222.
9.	3.496	33.975*	314.48	3.496*	27.021*	292.
26.	3.485	33.980	314.93	3.483	27.026	222.
49.	3.473	33.981	314.45	3.469	27.028	222.
76.	3.280	33.984	315.43	3.276	27.049	222.
102.	1.927	34.027	319.48	1.922	27.198	222.
152.	1.788	34.028	317.64	1.781	27.210	222.
201.	1.660	34.026*	317.49	1.650*	27.217*	292.
299.	1.467	34.036*	311.64	1.452*	27.240*	252.
300.	1.470	34.039	311.19	1.455	27.242	222.
400.	2.369	34.198*	-9.00	2.346*	27.301*	351.
600.	2.565	34.402	190.69	2.529	27.449	222.
800.	2.365	34.523	175.39	2.316	27.564	222.
972.	2.247	34.610	172.74	2.187	27.644	222.
1199.	2.143	34.665	175.89	2.068	27.698	222.
1403.	2.005	34.705	181.36	1.916	27.742	222.
1601.	1.833	34.724	186.97	1.731	27.772	222.
1801.	1.644	34.729	191.31	1.529	27.791	222.
2001.	1.438	34.728	194.87	1.310	27.805	222.
2252.	1.270	34.724	197.24	1.124	27.815	222.
2501.	1.142	34.721*	-9.00	0.977*	27.822*	391.
2749.	1.058	34.716	200.12	0.873	27.826	222.
3001.	1.019	34.714	201.72	0.813	27.828	222.
3250.	0.957	34.711	203.20	0.728	27.831	222.
3495.	0.858	34.708	205.33	0.609	27.836	222.
3747.	0.719	34.704	208.13	0.448	27.842	222.
4002.	0.586	34.702	211.04	0.292	27.850	222.
4247.	0.482	34.702	213.45	0.166	27.856	222.
4504.	0.424	34.701	215.50	0.082	27.861	222.
4751.	0.400	34.701	216.01	0.031	27.863	226.
5000.	0.396	34.701	216.53	-0.001	27.865	226.
5131.	0.394	34.701	216.96	-0.018	27.866	222.

CAST CG2-94-DI -021 LAT 61 29.2S LONG 102 59.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	4.613	33.926	306.61	4.612	26.867	222.
25.	4.562	33.929	307.39	4.561	26.875	222.
48.	4.558	33.929	307.51	4.554	26.876	222.
74.	4.523	33.931	307.75	4.518	26.881	222.
101.	2.522	33.974	312.04	2.516	27.109	222.
150.	2.252	34.018	304.80	2.243	27.166	222.
200.	2.129	34.043	302.95	2.118	27.196	222.
303.	2.025	34.081	291.23	2.009	27.235	222.
399.	2.920	34.248	225.70	2.895	27.294	222.
500.	2.707	34.312	206.92	2.677	27.365	222.
600.	2.662	34.392	190.09	2.624	27.433	222.
701.	2.576	34.459	180.28	2.533	27.494	222.
810.	2.452	34.510	175.44	2.402	27.546	222.
902.	2.376	34.551	172.80	2.320	27.586	222.
1003.	2.343	34.595	171.54	2.280	27.625	226.
1201.	2.230	34.649	173.13	2.153	27.678	222.
1401.	2.098	34.690	177.78	2.008	27.723	222.
1599.	1.972	34.711	181.99	1.868	27.750	222.
1800.	1.817	34.723	186.43	1.699	27.773	222.
1999.	1.646	34.726	189.34	1.514	27.789	222.
2250.	1.478	34.723	191.88	1.328	27.800	222.
2500.	1.345	34.723	195.34	1.177	27.811	222.
2751.	1.193	34.719	198.96	1.005	27.819	222.
3000.	1.057	34.715	201.18	0.850	27.826	222.
3251.	0.927	34.711	203.53	0.699	27.833	222.
3498.	0.799	34.707	206.06	0.551	27.838	222.
3747.	0.680	34.704	208.65	0.410	27.844	222.
3995.	0.582	34.702	210.65	0.289	27.850	226.
4246.	0.483	34.702	213.32	0.167	27.857	222.
4497.	0.445	34.702	214.10	0.103	27.860	222.
4748.	0.411	34.703*	-9.00	0.043*	27.864*	491.
4997.	0.427	34.702*	-9.00	0.030*	27.864*	491.
5233.	0.449	34.701	218.01	0.023	27.864	222.

* Calculated from CTD values

CAST CG2-94-DI -022 LAT 61 00.5S LONG 103 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	4.445	33.923	308.87	4.444	26.883	222.
26.	4.439	33.924	309.61	4.437	26.884	222.
47.	4.429	33.925	309.31	4.426	26.886	222.
74.	4.233	33.935	309.64	4.227	26.916	222.
101.	3.254	34.021	304.04	3.248	27.081	222.
148.	2.957	34.013	304.42	2.948	27.102	222.
199.	2.615	34.008	304.16	2.603	27.128	222.
303.	2.836	34.092	276.87	2.817	27.177	222.
402.	3.032	34.199	240.13	3.007	27.245	222.
498.	2.986	34.265	218.21	2.954	27.303	222.
598.	2.813	34.326	204.08	2.775	27.367	222.
701.	2.684	34.383	191.97	2.640	27.424	222.
802.	2.552	34.446	182.34	2.502	27.487	222.
900.	2.510	34.506	175.68	2.453	27.538	226.
1001.	2.376	34.543	173.58	2.313	27.580	222.
1201.	2.296	34.619	172.61	2.219	27.649	222.
1397.	2.185	34.666	175.29	2.095	27.697	222.
1600.	2.074	34.698	180.29	1.968	27.733	222.
1804.	1.933	34.718	184.17	1.813	27.760	222.
2005.	1.785	34.727	187.98	1.651	27.780	222.
2247.	1.610	34.729	191.70	1.458	27.796	222.
2499.	1.423	34.726	194.34	1.253	27.808	222.
2739.	1.294	34.722	196.95	1.106	27.815	222.
3003.	1.156	34.718	199.45	0.946	27.823	226.
3242.	1.022	34.714	202.02	0.793	27.829	222.
3501.	0.887	34.710	204.39	0.636	27.836	222.
3750.	0.733	34.707	207.60	0.462	27.843	222.
3997.	0.607	34.704	209.59	0.313	27.850	222.
4250.	0.510	34.702	214.20	0.193	27.855	222.
4499.	0.447	34.701	212.57	0.105	27.860	222.
4750.	0.423	34.701	214.35	0.053	27.862	222.
4946.	0.424	34.701	215.17	0.033	27.863	222.
5073.	0.428	34.701	215.35	0.021	27.864	222.

CAST CG2-94-DI -023 LAT 60 30.9S LONG 102 57.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	5.699	34.081	-9.00	5.698	26.864	221.
25.	5.701	34.081	298.95	5.699	26.864	222.
49.	5.699	34.081	299.10	5.695	26.865	222.
76.	5.679	34.093	298.79	5.673	26.877	222.
100.	4.474	34.148	296.88	4.466	27.060	222.
151.	4.384	34.150	298.96	4.373	27.071	222.
199.	4.274	34.151	297.20	4.260	27.083	222.
297.	3.975	34.139	294.73	3.954	27.106	222.
399.	3.411	34.117	281.93	3.384	27.144	222.
499.	3.360	34.168	258.27	3.327	27.190	222.
601.	3.243	34.231	234.59	3.203	27.252	222.
702.	3.204	34.318	206.73	3.157	27.326	222.
802.	2.950	34.374	193.90	2.898	27.394	222.
899.	2.794	34.422	185.35	2.735	27.447	222.
999.	2.645	34.472	178.97	2.580	27.501	222.
1197.	2.439	34.559	172.21	2.361	27.589	222.
1398.	2.302	34.620	172.55	2.210	27.650	222.
1597.	2.195	34.668	175.48	2.089	27.699	222.
1799.	2.088	34.699*	-9.00	1.967*	27.733*	391.
1995.	1.935	34.720	186.90	1.800	27.763	222.
2209.	1.737	34.725	187.87	1.587	27.784	222.
2501.	1.538	34.725	191.11	1.366	27.799	222.
2749.	1.397	34.723	195.09	1.206	27.809	226.
2999.	1.251	34.721	198.05	1.040	27.819	222.
3248.	1.108	34.716	199.77	0.876	27.825	222.
3497.	0.983	34.712	204.01	0.730	27.831	222.
3750.	0.839	34.710	206.03	0.565	27.840	226.
4000.	0.673	34.704	209.08	0.377	27.847	222.
4247.	0.563	34.704	211.46	0.245	27.854	222.
4500.	0.476	34.702	213.62	0.133	27.859	222.
4742.	0.446	34.702	214.47	0.077	27.861	222.
4994.	0.450	34.701	214.80	0.052	27.863	222.
5230.	0.469	34.701	214.70	0.042	27.863	222.

* Calculated from CTD values

CAST CG2-94-DI -024 LAT 60 00.2S LONG 103 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
14.	5.639	34.083	298.72	5.638	26.873	222.
24.	5.643	34.084	298.68	5.641	26.873	222.
52.	5.636	34.086	298.69	5.632	26.876	222.
74.	5.577	34.091	298.77	5.571	26.888	222.
96.	4.478	34.153	296.83	4.471	27.063	222.
154.	4.371	34.153	298.31	4.359	27.075	222.
205.	4.186	34.147	295.04	4.172	27.090	226.
295.	4.013	34.145	295.68	3.993	27.107	222.
391.	3.466	34.115	282.35	3.440	27.138	222.
516.	3.393	34.166	258.89	3.359	27.186	232.
607.	3.197	34.213	240.81	3.157	27.242	222.
700.	3.288	34.305	209.69	3.241	27.308	222.
804.	3.016	34.361	196.56	2.963	27.379	222.
902.	2.811	34.413	186.42	2.752	27.439	222.
1002.	2.682	34.458	180.34	2.616	27.487	222.
1203.	2.461	34.549	172.60	2.383	27.579	222.
1398.	2.329	34.614	171.52	2.237	27.644	226.
1598.	2.216	34.664	174.65	2.109	27.694	222.
1796.	2.096	34.695	178.08	1.975	27.730	222.
1996.	1.962	34.716	183.47	1.827	27.758	222.
2240.	1.764	34.728	188.52	1.610	27.784	222.
2491.	1.558	34.725	191.18	1.386	27.798	222.
2737.	1.415	34.725	194.47	1.224	27.810	222.
3001.	1.286	34.722	197.26	1.073	27.817	222.
3238.	1.126	34.717	200.13	0.895	27.825	222.
3497.	0.981	34.713	202.73	0.728	27.832	222.
3735.	0.837	34.708	205.59	0.564	27.839	222.
3992.	0.677	34.705	208.59	0.382	27.847	222.
4243.	0.571	34.703	211.08	0.253	27.853	222.
4491.	0.476	34.701	213.13	0.134	27.858	222.
4748.	0.441	34.702	213.93	0.072	27.862	222.
4751.	0.440	34.702	214.40	0.071	27.862	222.
5023.	0.447	34.701	214.86	0.046	27.863	222.

CAST CG2-94-DI -025 LAT 59 30.3S LONG 103 01.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	5.613	34.082	298.38	5.612	26.875	222.
23.	5.614	34.077	298.36	5.612	26.872	222.
49.	5.618	34.078	296.57	5.614	26.872	222.
98.	5.109	34.112	296.35	5.102	26.960	322.
155.	4.352	34.136	297.16	4.341	27.063	222.
195.	4.301	34.154	297.19	4.287	27.083	222.
302.	4.077	34.153	295.13	4.056	27.107	222.
398.	3.534	34.117	284.20	3.507	27.133	222.
500.	3.240	34.138	271.23	3.207	27.178	222.
602.	3.275	34.219	238.88	3.235	27.240	222.
719.	3.239	34.320	206.61	3.191	27.324	222.
798.	3.037	34.359	197.29	2.984	27.375	222.
1002.	2.640	34.470	179.15	2.574	27.500	222.
1199.	2.459	34.552	172.67	2.380	27.582	222.
1405.	2.332	34.615	172.03	2.239	27.644	222.
1795.	2.086	34.698	179.81	1.965	27.733	222.
2201.	1.790	34.728	187.92	1.639	27.782	222.
2597.	1.493	34.727	193.33	1.313	27.804	222.
3003.	1.250	34.721	197.87	1.038	27.819	222.
3400.	1.019	34.715	202.30	0.775	27.831	222.
3800.	0.791	34.708	206.41	0.513	27.841	222.
4205.	0.580	34.704	210.95	0.265	27.853	222.
4492.	0.500	34.703	213.09	0.157	27.858	222.
4480.	0.498	34.708	205.72	0.157	27.862	239.

CAST CG2-94-DI -026 LAT 59 00.0S LONG 103 00.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	5.633	34.084*	-9.00	5.633*	26.874*	391.
24.	5.635	34.084	-9.00	5.633	26.875	321.
49.	5.636	34.086	-9.00	5.633	26.876	321.
98.	4.664	34.127	-9.00	4.657	27.022	321.
152.	4.418	34.149	-9.00	4.407	27.066	321.
200.	4.236	34.140	-9.00	4.222	27.079	321.
298.	4.029	34.144	-9.00	4.008	27.105	321.
403.	3.563	34.122	-9.00	3.536	27.134	321.
502.	3.194	34.120	-9.00	3.161	27.168	321.
588.	3.303	34.201	-9.00	3.264	27.223	321.
804.	3.084	34.345	-9.00	3.031	27.359	321.
1007.	2.696	34.450	-9.00	2.630	27.479	321.
1202.	2.468	34.514	-9.00	2.390	27.551	341.
1407.	2.332	34.614	-9.00	2.239	27.644	321.
1598.	2.221	34.662	-9.00	2.114	27.692	321.
1796.	2.090	34.695	-9.00	1.969	27.730	321.
2167.	1.833	34.727	-9.00	1.685	27.777	321.
2598.	1.496	34.728	-9.00	1.316	27.805	321.
3000.	1.246	34.721	-9.00	1.035	27.819	321.
3397.	1.013	34.722	-9.00	0.769	27.837	331.
3797.	0.782	34.707	-9.00	0.505	27.841	321.
4207.	0.557	34.704	-9.00	0.243	27.854	321.
4495.	0.486	34.703	-9.00	0.143	27.859	321.
4684.	0.474	34.702	-9.00	0.111	27.860	321.

* Calculated from CTD values

CAST CG2-94-DI -027 LAT 58 30.3S LONG 102 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	5.340	34.006	299.99	5.339	26.848	222.
28.	5.284	34.002	300.28	5.282	26.851	222.
50.	5.291	33.997	300.36	5.287	26.847	222.
97.	5.158	33.995	301.44	5.151	26.861	222.
152.	4.317	34.114	293.93	4.306	27.049	222.
206.	4.081	34.094	293.45	4.066	27.059	222.
299.	3.704	34.112	289.42	3.684	27.112	222.
400.	3.390	34.121	278.38	3.364	27.150	222.
500.	3.338	34.180	253.53	3.305	27.202	222.
601.	3.491	34.269	222.36	3.450	27.260	222.
704.	3.200	34.313	208.51	3.153	27.323	222.
810.	2.916	34.354	198.46	2.863	27.382	222.
998.	2.656	34.425	186.35	2.591	27.462	242.
1204.	2.389	34.581	177.63	2.311	27.611	242.
1402.	2.317	34.619	171.65	2.225	27.649	222.
1805.	2.072	34.697	178.05	1.950	27.733	222.
2205.	1.745	34.722	186.35	1.595	27.780	222.
2604.	1.501	34.725	192.20	1.320	27.802	222.
3004.	1.246	34.721	197.70	1.034	27.819	222.
3405.	1.005	34.712	202.39	0.761	27.830	222.
3803.	0.762	34.708	207.06	0.484	27.843	222.
4209.	0.553	34.705	211.49	0.239	27.855	222.
4596.	0.489	34.702	-9.00	0.135	27.859	221.
4824.	0.507	34.703	-9.00	0.127	27.860	221.

CAST CG2-94-DI -028 LAT 57 49.6S LONG 102 59.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	5.428	33.963	301.89	5.427	26.804	222.
26.	5.427	33.963	301.56	5.425	26.804	222.
50.	5.413	33.963	301.42	5.409	26.806	222.
77.	5.411	33.966	301.21	5.405	26.809	222.
94.	5.359	34.140	290.71	5.352	26.952	222.
149.	4.999	34.157	288.98	4.988	27.008	222.
203.	5.063	34.192	288.17	5.047	27.029	222.
303.	4.558	34.155	283.56	4.536	27.057	222.
400.	4.270	34.167	259.84	4.241	27.098	222.
496.	3.895	34.194	246.75	3.860	27.159	222.
605.	3.833	34.286	219.49	3.791	27.240	222.
700.	3.490	34.313	209.29	3.442	27.296	222.
792.	3.266	34.359	197.60	3.212	27.354	222.
902.	2.995	34.401	189.05	2.934	27.413	222.
1003.	2.771	34.436	183.90	2.705	27.461	222.
1200.	2.523	34.528	173.99	2.444	27.557	222.
1406.	2.351	34.609	171.46	2.258	27.637	222.
1598.	2.233	34.660	174.26	2.126	27.689	222.
1798.	2.162	34.686	177.25	2.040	27.717	222.
2000.	2.043	34.710	181.90	1.906	27.746	222.
2254.	1.852	34.726	187.73	1.696	27.776	226.
2499.	1.625	34.727	190.90	1.451	27.795	222.
2749.	1.461	34.725	193.98	1.268	27.806	222.
2996.	1.280	34.722	197.12	1.068	27.817	222.
3251.	1.136	34.718	200.09	0.903	27.825	222.
3500.	0.979	34.713	203.20	0.726	27.833	222.
3753.	0.849	34.709	205.58	0.573	27.839	226.
3998.	0.694	34.707	208.58	0.398	27.847	222.
4245.	0.585	34.706	210.85	0.266	27.855	222.
4247.	0.585	34.705	210.51	0.266	27.853	222.
4500.	0.533	34.704	211.69	0.188	27.857	222.
4500.	0.532	34.703	212.12	0.187	27.857	222.
4734.	0.523	34.704	212.37	0.152	27.859	222.

* Calculated from CTD values

CAST CG2-94-DI -029 LAT 57 10.3S LONG 103 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	5.794	34.006	298.70	5.793	26.793	222.
30.	5.797	34.008	299.04	5.795	26.795	222.
50.	5.798	34.007*	298.61	5.794*	26.794*	292.
100.	5.446	34.075	294.11	5.438	26.891	222.
147.	4.801	34.143	291.42	4.790	27.020	222.
201.	4.886	34.180	286.11	4.871	27.040	222.
301.	4.481	34.163	279.77	4.459	27.072	222.
408.	4.283	34.169	260.57	4.253	27.099	222.
499.	3.952	34.185	252.82	3.917	27.146	222.
599.	3.925	34.251*	-9.00	3.882*	27.202*	351.
695.	3.592	34.286	216.42	3.543	27.264	222.
802.	3.276	34.323	206.40	3.221	27.324	222.
893.	3.038	34.367	195.74	2.978	27.382	222.
997.	2.834	34.418	186.61	2.768	27.441	222.
1096.	2.696	34.461	180.29	2.624	27.488	222.
1200.	2.561	34.516	175.74	2.481	27.545	232.
1401.	2.389	34.587*	-9.00	2.296*	27.617*	491.
1804.	2.159	34.684*	-9.00	2.036*	27.715*	351.
2201.	1.876	34.727	184.33	1.724	27.774	232.
2606.	1.559	34.719	187.67	1.377	27.794	222.
2997.	1.360	34.723	195.93	1.146	27.813	222.
3394.	1.104	34.716	201.01	0.858	27.827	222.
3795.	0.847	34.709	206.99	0.568	27.839	222.
4153.	0.660	34.705	210.11	0.348	27.849	222.

CAST CG2-94-DI -030 LAT 56 31.5S LONG 103 04.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
21.	6.428	34.094*	294.51	6.426*	26.782*	292.
46.	6.429	34.096	294.50	6.425	26.784	222.
72.	6.430	34.094*	294.50	6.424*	26.782*	292.
103.	6.080	34.097	294.50	6.071	26.830	222.
151.	4.704	34.160	294.01	4.693	27.044	222.
199.	4.537	34.138*	294.37	4.522*	27.045*	292.
302.	4.173	34.127*	-9.00	4.151*	27.076*	491.
400.	3.984	34.141*	271.25	3.955*	27.107*	292.
504.	3.846	34.191	249.86	3.810	27.162	222.
587.	3.763	34.251	227.71	3.722	27.218	222.
639.	3.686	34.275	-9.00	3.642	27.246	331.
802.	3.196	34.342	204.35	3.142	27.347	222.
1003.	2.793	34.431	-9.00	2.726	27.456	321.
1208.	2.546	34.515	-9.00	2.466	27.545	321.
1400.	2.389	34.592	171.54	2.296	27.621	222.
1800.	2.148	34.687*	176.47	2.025*	27.719*	292.
2199.	1.872	34.718*	-9.00	1.720*	27.768*	391.
2591.	1.560	34.721	-9.00	1.380	27.795	321.
3005.	1.384	34.723	194.65	1.169	27.811	222.
3403.	1.105	34.716*	200.00	0.858*	27.827*	292.
3791.	0.816	34.710*	205.19	0.537*	27.841*	292.
4190.	0.647	34.707*	208.92	0.332*	27.851*	292.

CAST CG2-94-DI -031 LAT 55 50.2S LONG 102 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	6.047	34.052*	297.04	6.046*	26.798*	292.
22.	6.047	34.054	297.39	6.045	26.799	222.
53.	6.050	34.056	297.49	6.046	26.801	222.
99.	6.031	34.086	294.74	6.023	26.828	222.
150.	5.531	34.247	285.75	5.519	27.017	222.
198.	5.400	34.241	284.98	5.384	27.029	222.
301.	4.746	34.173	289.56	4.724	27.051	222.
401.	4.251	34.145	288.54	4.221	27.083	222.
499.	4.051	34.145	288.96	4.015	27.104	249.
599.	4.176	34.271	223.66	4.132	27.193	222.
799.	3.308	34.308	210.37	3.253	27.309	222.
1001.	2.889	34.406	189.01	2.822	27.427	222.
1202.	2.586	34.501*	176.51	2.506*	27.530*	242.
1404.	2.421	34.577	171.95	2.327	27.606	222.
1703.	2.241	34.660	173.53	2.125	27.690	222.
1998.	2.037	34.702*	177.45	1.900*	27.741*	292.
2297.	1.788	34.717*	-9.00	1.629*	27.774*	491.
2600.	1.579	34.716	186.42	1.398	27.790	222.
2998.	1.402	34.722	193.76	1.187	27.809	222.
3402.	1.128	34.717	200.77	0.881	27.826	222.
3801.	0.844	34.710	204.39	0.564	27.840	222.
4202.	0.669	34.707	208.03	0.352	27.850	222.
4601.	0.634	34.705	210.40	0.275	27.853	222.
4753.	0.638	34.706	210.11	0.262	27.854	222.

* Calculated from CTD values

CAST CG2-94-DI -032 LAT 55 09.5S LONG 102 59.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
12.	6.951	34.192	290.72	6.950	26.789	222.
22.	6.952	34.192	290.85	6.950	26.789	222.
47.	6.956	34.191	291.35	6.952	26.788	222.
97.	6.959	34.191	290.53	6.950	26.789	222.
148.	6.166	34.300	283.26	6.153	26.981	222.
196.	5.788	34.272	282.99	5.772	27.006	222.
298.	5.516	34.252	283.81	5.491	27.024	222.
398.	5.028	34.202	286.58	4.997	27.043	222.
497.	4.764	34.180	289.46	4.726	27.057	232.
599.	4.606	34.212	252.92	4.559	27.100	222.
697.	4.484	34.275	224.21	4.430	27.164	222.
800.	4.043	34.290	216.58	3.984	27.223	222.
899.	3.674	34.324	205.99	3.609	27.288	222.
999.	3.316	34.345	201.05	3.246	27.340	222.
1199.	2.822	34.424	185.33	2.740	27.449	222.
1398.	2.568	34.514*	-9.00	2.474*	27.544*	491.
1798.	2.284	34.648*	-9.00	2.160*	27.677*	491.
2198.	2.044	34.708	180.64	1.890	27.747	222.
2603.	1.732	34.723	187.75	1.548	27.784	222.
2997.	1.469	34.723	193.25	1.252	27.806	222.
3398.	1.160	34.717	199.40	0.913	27.824	222.
3801.	0.847	34.710	204.12	0.567	27.840	222.
4200.	0.668	34.707	208.55	0.351	27.850	222.
4606.	0.648	34.705*	212.21	0.287*	27.853*	292.

CAST CG2-94-DI -033 LAT 54 30.0S LONG 103 0.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
14.	7.913	34.255	286.30	7.911	26.702	222.
25.	7.911	34.256	286.39	7.909	26.703	222.
49.	7.910	34.257	286.44	7.905	26.705	222.
70.	7.897	34.256	285.99	7.890	26.706	222.
101.	7.873	34.255*	-9.00	7.863*	26.709*	351.
125.	6.740	34.289	284.51	6.728	26.896	222.
148.	6.355	34.298	281.77	6.342	26.954	226.
198.	6.273	34.315	281.46	6.256	26.979	222.
249.	6.126	34.311	280.11	6.105	26.995	222.
300.	6.004	34.304	280.27	5.978	27.005	222.
351.	5.932	34.302	280.50	5.902	27.013	222.
401.	5.843	34.295	279.34	5.809	27.020	222.
501.	5.533	34.266	277.31	5.491	27.036	222.
601.	5.201	34.239	269.33	5.152	27.055	222.
700.	4.847	34.236	247.23	4.792	27.093	226.
797.	4.554	34.270	226.09	4.492	27.153	222.
904.	4.132	34.290	216.90	4.063	27.215	222.
1003.	3.706	34.315	208.38	3.633	27.278	222.
1201.	3.082	34.380	192.62	2.998	27.390	222.
1401.	2.728	34.461	180.63	2.632	27.488	222.
1598.	2.518	34.542	172.75	2.407	27.572	222.
1799.	2.379	34.610	170.09	2.254	27.638	222.
2002.	2.251	34.658	172.99	2.110	27.689	222.
2250.	2.107	34.690	174.12	1.947	27.727	222.
2499.	1.886	34.706	176.75	1.708	27.759	222.
2748.	1.715	34.710	179.64	1.517	27.777	222.
2999.	1.601	34.715	185.03	1.382	27.790	226.
3247.	1.502	34.720	190.51	1.261	27.803	222.
3497.	1.316	34.716	193.66	1.055	27.813	222.
3750.	1.064	34.711	199.65	0.783	27.828	222.
3999.	0.860	34.708	203.51	0.559	27.839	222.
4150.	0.813	34.707	204.33	0.497	27.842	222.
4150.	0.813	34.707	204.40	0.497	27.842	222.

* Calculated from CTD values

CAST CG2-94-DI -034 LAT 53 49.9S LONG 102 59.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
13.	7.826	34.256	287.46	7.824	26.715	222.
24.	7.814	34.253	286.90	7.812	26.715	222.
51.	7.794	34.253	286.79	7.789	26.718	222.
75.	7.792	34.253	286.88	7.784	26.719	222.
99.	7.109	34.278	285.43	7.100	26.837	222.
126.	6.363	34.300	284.43	6.352	26.954	222.
148.	6.297	34.302	283.45	6.284	26.965	222.
202.	6.161	34.305	282.16	6.144	26.985	222.
249.	6.090	34.308	283.03	6.069	26.997	222.
300.	5.994	34.306	282.21	5.968	27.008	222.
351.	5.927	34.302	281.54	5.897	27.014	222.
399.	5.805	34.292	281.40	5.771	27.022	222.
499.	5.654	34.283	285.46	5.611	27.034	222.
600.	5.255	34.243	282.87	5.206	27.052	222.
699.	4.926	34.217	272.91	4.870	27.070	222.
788.	4.677	34.230	245.36	4.615	27.109	222.
900.	4.317	34.300	219.82	4.248	27.203	242.
994.	3.948	34.330	213.25	3.873	27.266	242.
1099.	3.499	34.329	204.12	3.420	27.310	222.
1200.	3.195	34.360	197.35	3.110	27.364	222.
1399.	2.762	34.453	181.43	2.665	27.478	222.
1601.	2.554	34.534	171.86	2.443	27.562	222.
1800.	2.416	34.599	169.42	2.290	27.627	222.
1998.	2.295	34.645	170.97	2.154	27.675	222.
2247.	2.131	34.687	174.59	1.971	27.723	226.
2496.	1.944	34.707	177.97	1.765	27.755	222.
2749.	1.737	34.710	180.58	1.539	27.775	226.
3002.	1.598	34.715	185.51	1.379	27.791	222.
3246.	1.505	34.717	190.48	1.264	27.800	222.
3499.	1.326	34.716	194.59	1.064	27.813	222.
3748.	1.068	34.712	196.94	0.788	27.828	222.
3997.	0.817	34.708	204.52	0.518	27.841	222.
4276.	0.739	34.710	206.03	0.412	27.850	222.

CAST CG2-94-DI -035 LAT 53 10.0S LONG 103 00.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	8.035	34.244	286.55	8.034	26.675	222.
24.	8.033	34.243	285.91	8.031	26.675	222.
50.	8.030	34.244	286.02	8.025	26.677	222.
74.	8.029	34.243	285.90	8.022	26.677	222.
101.	7.590	34.258	285.85	7.580	26.753	222.
125.	6.494	34.296	281.85	6.483	26.934	222.
151.	6.224	34.287	280.84	6.211	26.963	222.
203.	6.096	34.291	280.04	6.078	26.982	222.
252.	6.025	34.290	278.91	6.003	26.992	222.
299.	5.959	34.292	278.53	5.934	27.002	222.
349.	5.918	34.290	278.63	5.888	27.006	222.
398.	5.829	34.286	277.79	5.795	27.014	222.
500.	5.601	34.270	270.72	5.559	27.031	226.
597.	5.206	34.246	263.19	5.157	27.060	222.
701.	4.885	34.246	246.58	4.829	27.097	222.
802.	4.564	34.268	228.87	4.501	27.151	222.
901.	4.114	34.286	217.56	4.046	27.213	222.
994.	3.745	34.304	211.38	3.672	27.266	222.
1197.	3.031	34.381	192.85	2.948	27.396	226.
1401.	2.725	34.474	175.86	2.628	27.498	222.
1604.	2.516	34.554	169.80	2.405	27.581	222.
1803.	2.368	34.614	168.51	2.242	27.643	232.
2003.	2.237	34.661	170.60	2.096	27.693	222.
2249.	2.067	34.692	173.36	1.908	27.732	222.
2498.	1.891	34.704	175.09	1.713	27.757	222.
2751.	1.712	34.706	177.48	1.513	27.773	222.
3000.	1.613	34.713	183.35	1.393	27.787	222.
3251.	1.463	34.716	189.68	1.222	27.802	226.
3500.	1.292	34.715	194.08	1.030	27.814	222.
3750.	1.015	34.710	199.85	0.735	27.829	222.
3999.	0.790	34.707	204.18	0.491	27.842	222.
3998.	0.791	34.707	204.24	0.492	27.842	222.
4165.	0.728	34.706	205.65	0.413	27.846	222.

CAST CG2-94-DI -036 LAT 52 30.4S LONG 103 00.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
13.	8.051	34.250	286.48	8.050	26.678	222.
25.	8.052	34.250	286.64	8.050	26.678	222.
45.	8.054	34.250	286.00	8.049	26.678	222.
74.	8.035	34.250	286.04	8.027	26.681	222.
99.	7.953	34.258	285.95	7.943	26.700	222.
125.	6.708	34.307	282.45	6.697	26.914	222.
152.	6.509	34.322	279.95	6.496	26.953	222.
201.	6.377	34.321	279.03	6.359	26.970	222.
250.	6.349	34.334	279.23	6.327	26.985	222.
300.	6.174	34.313	277.60	6.148	26.991	222.
347.	5.955	34.290	271.15	5.925	27.001	222.
398.	5.872	34.289	271.61	5.838	27.011	222.
500.	5.674	34.278	277.36	5.632	27.028	322.
599.	5.244	34.245	263.08	5.195	27.054	222.
699.	4.955	34.254	242.16	4.899	27.095	222.
799.	4.617	34.280	223.73	4.554	27.155	222.
900.	4.122	34.294	215.39	4.054	27.219	222.
994.	3.711	34.315	208.15	3.639	27.278	222.
1204.	3.053	34.384	192.60	2.969	27.396	222.
1400.	2.712	34.472	179.01	2.616	27.498	226.
1601.	2.506	34.554	172.23	2.396	27.582	222.
1801.	2.368	34.617	169.65	2.243	27.645	226.
2001.	2.229	34.661	170.28	2.089	27.693	222.
2239.	2.085	34.693	174.47	1.927	27.731	222.
2499.	1.870	34.705*	175.89	1.692*	27.759*	252.
2751.	1.699	34.706	178.38	1.502	27.774	222.
3000.	1.607	34.711	183.27	1.388	27.787	222.
3251.	1.494	34.716	188.91	1.253	27.800	222.
3499.	1.273	34.714	194.58	1.013	27.814	222.
3750.	1.031	34.711	199.45	0.751	27.829	222.
4002.	0.849	34.709*	202.67	0.548*	27.841*	252.
4251.	0.744	34.706	205.59	0.419	27.846	222.
4501.	0.727	34.706	206.64	0.376	27.848	222.

CAST CG2-94-DI -037 LAT 51 50.0S LONG 103 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	8.553	34.255	284.63	8.552	26.605	222.
25.	8.522	34.255	284.32	8.519	26.610	222.
49.	8.518	34.254	284.10	8.513	26.610	222.
74.	8.457	34.254	284.06	8.450	26.620	222.
99.	7.350	34.296	286.93	7.341	26.817	222.
123.	6.655	34.304	280.24	6.643	26.919	222.
148.	6.446	34.303	279.55	6.433	26.946	222.
198.	6.350	34.312	278.07	6.333	26.966	222.
248.	6.300	34.317	276.92	6.278	26.978	322.
299.	6.185	34.310	277.01	6.159	26.987	222.
350.	6.144	34.315	278.33	6.113	26.997	222.
401.	6.042	34.309	278.15	6.007	27.006	222.
499.	5.943	34.306	280.30	5.900	27.017	222.
600.	5.517	34.261	274.03	5.467	27.035	222.
701.	5.082	34.237	255.21	5.025	27.068	222.
798.	4.844	34.271	231.22	4.779	27.122	222.
900.	4.428	34.294	216.59	4.358	27.187	222.
1001.	3.926	34.309	210.98	3.851	27.252	222.
1200.	3.253	34.361	197.68	3.167	27.360	222.
1394.	2.801	34.450	180.40	2.704	27.472	222.
1596.	2.589	34.524	172.44	2.479	27.551	222.
1796.	2.420	34.595	170.17	2.294	27.623	222.
1998.	2.281	34.652	171.50	2.141	27.681	222.
2246.	2.131	34.685	172.80	1.971	27.721	226.
2498.	1.968	34.706	178.12	1.789	27.752	222.
2746.	1.734	34.709	179.84	1.536	27.774	226.
2999.	1.617	34.712	183.72	1.397	27.786	222.
3250.	1.508	34.717	188.89	1.266	27.800	222.
3500.	1.323	34.718	194.17	1.061	27.814	222.
3751.	1.051	34.710	199.09	0.770	27.828	226.
4001.	0.845	34.707	202.90	0.545	27.839	222.
3999.	0.847	34.708	202.92	0.547	27.839	222.
4054.	0.817	34.707	203.41	0.511	27.841	222.

* Calculated from CTD values

CAST CG2-94-DI -038 LAT 51 10.0S LONG 103 0.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	9.243	34.209*	280.54	9.242*	26.460*	252.
26.	9.226	34.211	280.46	9.224	26.464	222.
49.	9.184	34.209*	280.39	9.179*	26.470*	252.
99.	7.261	34.259	287.36	7.252	26.800	222.
148.	6.624	34.283	280.29	6.611	26.907	222.
201.	6.448	34.296*	278.14	6.431*	26.941*	252.
301.	6.228	34.300	268.37	6.202	26.974	222.
401.	6.031	34.297	274.13	5.996	26.998	222.
499.	5.823	34.285*	273.47	5.780*	27.016*	252.
601.	5.500	34.263	266.00	5.450	27.039	222.
701.	5.097	34.247	255.81	5.040	27.074	222.
800.	4.792	34.267*	233.51	4.729*	27.125*	252.
900.	4.311	34.283*	219.76	4.242*	27.191*	252.
1001.	3.854	34.302	212.05	3.780	27.253	222.
1199.	3.211	34.369	193.35	3.126	27.370	222.
1401.	2.807	34.458	177.31	2.710	27.478	222.
1600.	2.545	34.541	170.78	2.434	27.568	222.
1900.	2.317	34.635	169.31	2.184	27.665	222.
2198.	2.138	34.682	172.21	1.982	27.719	222.
2599.	1.847	34.705	175.86	1.660	27.761	222.
2899.	1.662	34.708	180.40	1.451	27.780	222.
3193.	1.535	34.715	186.92	1.299	27.796	222.
3499.	1.273	34.714	193.75	1.012	27.814	222.
3825.	0.827	34.708	206.04	0.545	27.840	222.

CAST CG2-94-DI -039 LAT 50 30.0S LONG 103 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	8.944	34.224*	282.50	8.943*	26.520*	252.
23.	8.942	34.225	282.20	8.940	26.521	222.
49.	8.891	34.224*	282.01	8.886*	26.529*	252.
100.	7.243	34.273*	288.10	7.234*	26.814*	252.
148.	6.497	34.297	278.72	6.484	26.935	222.
202.	6.289	34.295*	278.92	6.272*	26.961*	252.
299.	6.109	34.298	273.17	6.083	26.988	222.
399.	6.011	34.306	279.38	5.976	27.008	222.
499.	5.762	34.286*	277.57	5.720*	27.023*	252.
598.	5.410	34.258	266.69	5.360	27.045	222.
699.	5.053	34.249	250.46	4.997	27.080	222.
798.	4.691	34.266	231.76	4.628	27.136	222.
1001.	3.752	34.303*	210.92	3.679*	27.265*	252.
1200.	3.098	34.380	192.72	3.014	27.389	222.
1400.	2.743	34.460	181.17	2.647	27.486	222.
1600.	2.524	34.548	170.77	2.413	27.576	222.
1882.	2.326	34.635*	-9.00	2.194*	27.663*	491.
2200.	2.105	34.683	171.13	1.950	27.721	226.
2600.	1.794	34.700	174.09	1.608	27.762	222.
2999.	1.618	34.708	181.18	1.398	27.784	222.
3401.	1.390	34.712	189.50	1.137	27.805	222.
3798.	0.979	34.708	199.19	0.696	27.831	222.
4201.	0.780	34.707	204.68	0.460	27.844	222.
4306.	0.783	34.707	204.90	0.452	27.844	222.

* Calculated from CTD values

CAST CG2-94-DI -040 LAT 49 50.0S LONG 103 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	10.091	34.158	275.89	10.090	26.280	222.
9.	10.090	34.171	277.04	10.089	26.290	222.
24.	9.925	34.227	281.40	9.922	26.362	232.
50.	9.012	34.230	280.31	9.006	26.514	222.
74.	8.968	34.235	288.12	8.961	26.526	222.
100.	7.665	34.236	285.77	7.655	26.725	222.
118.	7.018	34.266	278.77	7.007	26.839	232.
159.	6.676	34.312	272.52	6.662	26.923	232.
207.	6.570	34.304	273.13	6.552	26.931	222.
257.	6.372	34.304	271.05	6.349	26.958	222.
311.	6.349	34.298	269.73	6.321	26.957	222.
363.	6.148	34.299	266.66	6.116	26.984	222.
482.	5.925	34.287	265.20	5.883	27.004	222.
577.	5.611	34.270	257.70	5.562	27.030	222.
688.	5.206	34.259	249.36	5.149	27.071	222.
767.	4.875	34.263	234.01	4.813	27.112	222.
865.	4.457	34.279	220.73	4.390	27.171	232.
964.	4.080	34.302	211.50	4.007	27.230	232.
1163.	3.361	34.365	194.99	3.278	27.352	242.
1361.	2.858	34.456	178.92	2.763	27.472	242.
1577.	2.585	34.535	170.87	2.476	27.560	232.
1771.	2.432	34.602	168.96	2.309	27.628	232.
1975.	2.303	34.647	168.82	2.164	27.676	222.
2215.	2.146	34.684	171.81	1.989	27.720	222.
2469.	1.965	34.701	173.90	1.788	27.748	226.
2712.	1.776	34.706	176.85	1.580	27.768	222.
2977.	1.646	34.709	181.19	1.428	27.782	222.
3217.	1.544	34.712	181.49	1.305	27.793	229.
3468.	1.331	34.713	191.41	1.072	27.810	222.
3710.	1.064	34.709	197.84	0.787	27.825	222.
3963.	0.844	34.707	202.72	0.547	27.839	222.
3980.	0.838	34.707	202.86	0.540	27.839	222.
4233.	0.789	34.707	203.57	0.465	27.844	222.

CAST CG2-94-DI -041 LAT 49 09.8S LONG 103 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
12.	10.284	34.156	275.64	10.283	26.245	222.
24.	10.254	34.157	275.80	10.251	26.251	222.
49.	10.009	34.160	276.28	10.003	26.296	222.
74.	9.356	34.210	285.97	9.348	26.444	222.
100.	7.474	34.253	287.28	7.465	26.765	322.
124.	6.992	34.272	274.68	6.981	26.848	222.
149.	6.823	34.291	274.69	6.809	26.887	222.
201.	6.660	34.321	275.30	6.642	26.932	222.
249.	6.589	34.325	283.45	6.567	26.946	222.
301.	6.570	34.325	284.41	6.543	26.949	222.
349.	6.539	34.326	282.33	6.508	26.955	222.
399.	6.449	34.325	279.67	6.413	26.966	222.
499.	6.140	34.301	267.07	6.096	26.989	222.
600.	5.723	34.280	259.76	5.671	27.025	222.
698.	5.321	34.261	253.31	5.263	27.059	222.
801.	4.938	34.261	240.35	4.873	27.104	222.
900.	4.493	34.275	223.80	4.422	27.165	222.
999.	3.997	34.297	212.92	3.922	27.235	222.
1201.	3.306	34.368	189.78	3.220	27.360	222.
1400.	2.879	34.455	173.37	2.781	27.470	222.
1598.	2.617	34.528	168.73	2.505	27.552	222.
1799.	2.447	34.594	164.11	2.322	27.621	222.
1999.	2.291	34.643	167.22	2.150	27.674	222.
2249.	2.128	34.680	170.59	1.968	27.718	222.
2500.	1.938	34.698	172.81	1.759	27.749	226.
2751.	1.758	34.704	175.82	1.559	27.768	226.
2984.	1.655	34.708	179.70	1.436	27.780	222.
3249.	1.530	34.713	185.38	1.288	27.795	222.
3500.	1.326	34.711	190.33	1.064	27.809	222.
3752.	1.062	34.709	196.58	0.781	27.826	222.
3997.	0.839	34.707	202.44	0.539	27.839	222.
3999.	0.839	34.708	202.44	0.539	27.840	222.
4287.	0.767	34.706	207.32	0.439	27.845	222.

CAST CG2-94-DI -042 LAT 48 29.8S LONG 102 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	10.266	34.162	276.42	10.265	26.253	222.
24.	10.227	34.164	276.53	10.225	26.261	222.
50.	9.949	34.173	277.21	9.943	26.316	222.
75.	9.289	34.187	278.38	9.281	26.436	222.
99.	7.558	34.196	289.10	7.549	26.708	222.
125.	7.092	34.226	288.80	7.080	26.798	222.
152.	6.710	34.232	285.47	6.697	26.855	222.
196.	6.548	34.278	-9.00	6.531	26.914	321.
249.	6.507	34.300	271.94	6.485	26.937	222.
301.	6.453	34.313	269.70	6.426	26.955	222.
350.	6.317	34.301	271.34	6.286	26.964	222.
401.	6.262	34.304	267.94	6.226	26.974	222.
499.	5.994	34.293	266.42	5.950	27.000	322.
595.	5.742	34.279	263.65	5.691	27.022	222.
699.	5.326	34.261	255.80	5.268	27.058	222.
798.	4.946	34.262*	240.09	4.882*	27.103*	252.
895.	4.543	34.275	224.05	4.472	27.160	222.
1001.	4.078	34.295	213.25	4.002	27.225	222.
1199.	3.368	34.364	190.37	3.281	27.352	222.
1400.	2.931	34.458	169.13	2.832	27.468	226.
1600.	2.689	34.534	157.36	2.577	27.551	222.
1799.	2.451	34.593	162.14	2.325	27.619	222.
2000.	2.295	34.637*	-9.00	2.154*	27.669*	491.
2249.	2.117	34.674	167.63	1.957	27.714	226.
2500.	1.934	34.693	170.89	1.755	27.745	222.
2751.	1.776	34.699	173.87	1.577	27.763	222.
2991.	1.671	34.705	178.12	1.451	27.777	222.
3252.	1.580	34.710	183.07	1.337	27.789	222.
3496.	1.387	34.710	188.55	1.123	27.804	222.
3750.	1.086	34.708	196.17	0.804	27.824	222.
3749.	1.083	34.709	196.12	0.802	27.824	222.
4000.	0.869	34.707	201.79	0.567	27.838	222.
4269.	0.765	34.707	205.09	0.438	27.845	222.

CAST CG2-94-DI -043 LAT 47 59.8S LONG 103 00.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	10.567	34.125	273.61	10.566	26.171	222.
25.	10.568	34.124	271.83	10.565	26.171	222.
50.	10.511	34.124	271.41	10.505	26.181	222.
75.	8.188	34.192	287.97	8.180	26.613	222.
100.	7.502	34.205	289.76	7.493	26.723	222.
125.	7.006	34.218	286.33	6.995	26.803	222.
150.	6.650	34.253	284.04	6.637	26.880	222.
201.	6.443	34.267	283.78	6.425	26.919	222.
251.	6.459	34.282	283.42	6.437	26.929	222.
301.	6.470	34.293	284.66	6.444	26.937	222.
351.	6.486	34.300	285.08	6.454	26.941	222.
399.	6.478	34.303	282.96	6.443	26.945	222.
499.	6.330	34.300	276.07	6.285	26.963	222.
601.	6.055	34.290	266.08	6.002	26.992	222.
699.	5.674	34.273	261.25	5.614	27.026	222.
796.	5.206	34.261	248.11	5.140	27.073	222.
899.	4.705	34.271	230.69	4.633	27.139	222.
1000.	4.271	34.284	218.14	4.194	27.197	222.
1199.	3.368	34.358	191.03	3.281	27.347	222.
1401.	2.950	34.447	162.81	2.851	27.457	222.
1599.	2.693	34.528	158.38	2.581	27.546	222.
1799.	2.471	34.589	159.57	2.345	27.615	222.
1999.	2.280	34.637	161.78	2.139	27.670	222.
2250.	2.117	34.671	165.66	1.957	27.711	222.
2500.	1.935	34.691	-9.00	1.756	27.743	221.
2750.	1.781	34.700	173.11	1.581	27.763	222.
3000.	1.680	34.703	175.70	1.459	27.775	222.
3249.	1.576	34.708	181.48	1.333	27.788	222.
3501.	1.396	34.711	188.72	1.132	27.804	222.
3747.	1.093	34.708	195.32	0.812	27.823	222.
3746.	1.090	34.708	195.15	0.809	27.823	222.
4001.	0.888	34.707	200.97	0.586	27.836	222.
4169.	0.798	34.707	203.28	0.481	27.842	222.

* Calculated from CTD values

CAST CG2-94-DI -044 LAT 47 30.0S LONG 103 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	10.706	34.127	273.01	10.705	26.149	222.
24.	10.620	34.128	272.98	10.617	26.165	222.
48.	10.540	34.129	272.95	10.534	26.180	222.
75.	10.497	34.131	273.38	10.488	26.190	222.
99.	8.123	34.162	289.81	8.113	26.599	222.
124.	7.223	34.174	288.43	7.211	26.739	222.
150.	6.651	34.206	283.66	6.637	26.843	222.
201.	6.382	34.258	279.15	6.365	26.920	222.
248.	6.208	34.274	273.33	6.187	26.955	322.
299.	6.129	34.283	272.07	6.103	26.973	222.
350.	6.074	34.285	270.21	6.043	26.982	222.
399.	6.030	34.291	266.97	5.996	26.993	322.
449.	5.926	34.286	267.89	5.888	27.003	222.
502.	5.797	34.280	266.70	5.754	27.015	222.
697.	5.177	34.253	253.84	5.120	27.069	222.
799.	4.782	34.257	238.27	4.718	27.119	222.
866.	4.518	34.267	227.89	4.450	27.155	222.
1000.	3.950	34.295	211.76	3.875	27.238	222.
1199.	3.297	34.370	188.24	3.211	27.363	222.
1400.	2.859	34.462	171.55	2.762	27.477	222.
1600.	2.623	34.540	163.70	2.512	27.561	222.
1799.	2.434	34.599	159.01	2.308	27.626	222.
2001.	2.263	34.639	160.48	2.123	27.672	222.
2248.	2.086	34.673	164.25	1.927	27.715	222.
2499.	1.916	34.691	168.81	1.737	27.745	222.
2749.	1.769	34.701	173.48	1.570	27.765	226.
2998.	1.649	34.706	178.54	1.429	27.780	222.
3248.	1.539	34.710	182.61	1.297	27.792	226.
3500.	1.350	34.710	188.84	1.087	27.806	222.
3749.	1.079	34.709	195.74	0.798	27.825	226.
4000.	0.876	34.709	-9.00	0.574	27.838	221.
4000.	0.876	34.708	201.39	0.574	27.838	222.
4319.	0.780	34.707	203.97	0.447	27.844	222.

CAST CG2-94-DI -045 LAT 47 00.0S LONG 102 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	10.814	34.146	274.43	10.812	26.145	222.
25.	10.583	34.144	274.09	10.580	26.184	222.
48.	10.555	34.145	273.62	10.549	26.190	222.
75.	10.491	34.150	274.42	10.482	26.205	222.
98.	8.127	34.199	284.76	8.117	26.627	222.
123.	7.422	34.227	278.76	7.410	26.753	222.
149.	7.033	34.255	273.75	7.020	26.829	222.
199.	6.714	34.290	276.40	6.696	26.901	222.
252.	6.657	34.318	264.21	6.634	26.932	222.
295.	6.540	34.322	262.42	6.514	26.951	222.
297.	6.528	34.321	262.96	6.501	26.951	222.
399.	6.238	34.310	264.45	6.203	26.982	222.
503.	6.001	34.300	264.10	5.957	27.005	222.
600.	5.672	34.280	258.77	5.621	27.031	222.
702.	5.351	34.269	249.56	5.292	27.061	222.
799.	4.930	34.269	234.74	4.865	27.111	222.
900.	4.469	34.284	219.30	4.399	27.174	222.
999.	3.992	34.307	208.11	3.917	27.243	222.
1203.	3.336	34.369	188.92	3.250	27.358	222.
1400.	2.890	34.458	173.30	2.792	27.471	222.
1599.	2.628	34.533	166.18	2.517	27.555	222.
1798.	2.422	34.603	162.89	2.296	27.629	222.
1999.	2.278	34.647	167.89	2.137	27.678	222.
2251.	2.107	34.682	170.46	1.947	27.721	226.
2500.	1.900	34.696	170.96	1.721	27.750	222.
2748.	1.749	34.701	173.78	1.551	27.766	226.
3001.	1.646	34.706	178.19	1.426	27.780	222.
3248.	1.541	34.710	183.05	1.299	27.792	226.
3500.	1.320	34.709	189.00	1.058	27.808	222.
3750.	1.072	34.709	195.54	0.791	27.825	222.
4000.	0.908	34.708	200.10	0.606	27.836	222.
3999.	0.907	34.708	200.37	0.605	27.836	222.
4095.	0.879	34.708	201.31	0.567	27.838	222.

CAST CG2-94-DI -046 LAT 46 30.0S LONG 103 0.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	10.889	34.142	272.21	10.888	26.128	222.
24.	10.720	34.145	272.80	10.717	26.160	222.
49.	10.496	34.148	273.35	10.490	26.203	222.
74.	8.492	34.157	285.26	8.484	26.539	222.
93.	7.919	34.168	284.33	7.910	26.634	222.
124.	7.214	34.198	278.89	7.202	26.759	222.
149.	6.941	34.228	275.55	6.927	26.821	222.
204.	6.760	34.293	268.65	6.741	26.897	222.
247.	6.666	34.317	267.37	6.644	26.930	222.
297.	6.485	34.310	267.29	6.459	26.948	222.
352.	6.362	34.310	266.69	6.331	26.965	222.
397.	6.258	34.307	266.17	6.223	26.976	222.
497.	6.035	34.305	265.77	5.992	27.005	232.
601.	5.728	34.281	263.15	5.677	27.025	222.
699.	5.373	34.266	253.68	5.314	27.057	222.
801.	4.926	34.262	239.25	4.862	27.106	222.
909.	4.470	34.273	223.53	4.399	27.166	222.
999.	4.116	34.298	210.78	4.040	27.223	222.
1093.	3.743	34.323	200.49	3.663	27.282	222.
1196.	3.395	34.365	188.58	3.309	27.349	222.
1401.	2.961	34.458	166.04	2.862	27.465	222.
1603.	2.630	34.531	167.27	2.518	27.554	222.
1792.	2.450	34.594	165.57	2.325	27.620	222.
1993.	2.287	34.641	165.38	2.147	27.673	222.
2249.	2.083	34.675	166.37	1.924	27.717	222.
2500.	1.916	34.691	169.24	1.737	27.745	226.
2743.	1.773	34.700	173.48	1.575	27.764	222.
2995.	1.668	34.705	177.08	1.448	27.777	222.
3250.	1.567	34.709	182.41	1.324	27.790	222.
3500.	1.371	34.710	188.23	1.108	27.805	226.
3750.	1.088	34.709	195.01	0.807	27.824	222.
3751.	1.089	34.707	195.21	0.808	27.822	226.
3912.	0.872	34.707	200.90	0.580	27.837	222.

CAST CG2-94-DI -047 LAT 46 00.0S LONG 103 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
12.	11.249	34.124	270.06	11.248	26.049	222.
24.	11.238	34.124	270.20	11.236	26.051	222.
51.	11.117	34.127	270.27	11.110	26.077	222.
76.	8.870	34.153	282.68	8.862	26.477	222.
101.	7.835	34.162	282.79	7.825	26.642	222.
125.	7.311	34.190	279.94	7.300	26.739	222.
150.	7.037	34.235	277.07	7.023	26.813	222.
202.	6.778	34.295	270.31	6.759	26.897	222.
246.	6.637	34.308	268.02	6.615	26.926	222.
302.	6.457	34.304	267.33	6.430	26.948	222.
351.	6.337	34.305	266.91	6.306	26.964	222.
399.	6.232	34.302	266.66	6.197	26.976	222.
499.	6.004	34.295	266.54	5.961	27.001	322.
603.	5.700	34.278	260.83	5.649	27.026	222.
699.	5.340	34.266	253.99	5.282	27.061	222.
806.	4.902	34.265	236.02	4.837	27.111	222.
900.	4.522	34.279	222.23	4.451	27.165	222.
1002.	4.053	34.300	203.47	3.977	27.232	222.
1099.	3.649	34.326	201.38	3.568	27.293	222.
1198.	3.373	34.363	190.15	3.286	27.350	222.
1399.	2.967	34.455	-9.00	2.869	27.462	221.
1599.	2.703	34.534	156.06	2.591	27.549	222.
1801.	2.461	34.593	160.11	2.335	27.619	222.
2001.	2.293	34.640	164.43	2.152	27.671	222.
2248.	2.107	34.677	168.22	1.947	27.717	222.
2501.	1.913	34.694	170.38	1.735	27.747	226.
2751.	1.747	34.700	173.77	1.548	27.766	222.
2993.	1.651	34.705	177.68	1.431	27.778	222.
3252.	1.555	34.708	182.38	1.313	27.789	226.
3499.	1.342	34.709	186.48	1.079	27.806	222.
3752.	1.145	34.707	192.84	0.862	27.819	226.
3752.	1.145	34.707	192.94	0.862	27.819	222.
3972.	0.951	34.707	198.96	0.650	27.832	222.

CAST CG2-94-DI -048 LAT 45 28.9S LONG 102 58.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	11.942	34.104	267.16	11.941	25.905	222.
23.	11.913	34.105	269.01	11.911	25.911	222.
50.	11.351	34.126*	269.01	11.344*	26.033*	252.
104.	8.118	34.151	281.97	8.107	26.591	222.
154.	7.226	34.212	270.26	7.211	26.769	222.
195.	6.932	34.301	258.40	6.914	26.880	222.
301.	6.442	34.305	265.62	6.415	26.950	222.
400.	6.185	34.302	266.09	6.149	26.982	222.
498.	5.977	34.298	263.13	5.933	27.007	222.
598.	5.714	34.282	259.41	5.663	27.028	222.
700.	5.364	34.267	251.36	5.305	27.059	222.
801.	4.964	34.260	240.83	4.899	27.100	222.
900.	4.535	34.272*	-9.00	4.464*	27.158*	351.
1000.	4.085	34.301	-9.00	4.010	27.229	221.
1100.	3.688	34.332	-9.00	3.607	27.294	221.
1201.	3.361	34.371*	206.13	3.274*	27.358*	399.
1501.	2.844	34.498*	199.88	2.738*	27.508*	399.
1805.	2.467	34.590	161.16	2.341	27.615	222.
2108.	2.207	34.656	165.10	2.058	27.691	222.
2398.	1.979	34.687	168.52	1.809	27.736	222.
2704.	1.796	34.698	172.35	1.601	27.760	222.
3001.	1.648	34.704	177.84	1.428	27.778	222.
3391.	1.411	34.707	184.99	1.158	27.799	222.
3785.	1.179	34.707	191.80	0.892	27.817	222.

CAST CG2-94-DI -049 LAT 45 00.1S LONG 102 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	12.327	34.119	-9.00	12.325	25.843	221.
25.	12.326	34.119*	262.60	12.323*	25.844*	492.
51.	12.326	34.119	264.40	12.319	25.845	222.
102.	8.418	34.145	283.00	8.407	26.542	222.
203.	6.845	34.275	271.18	6.827	26.871	222.
302.	6.573	34.317	265.97	6.546	26.943	222.
397.	6.317	34.307	265.67	6.282	26.969	222.
501.	6.035	34.296	266.80	5.991	26.998	222.
597.	5.782	34.282	265.20	5.731	27.019	222.
703.	5.466	34.268	256.76	5.407	27.047	222.
804.	5.077	34.265	242.12	5.011	27.091	222.
901.	4.614	34.277	224.10	4.543	27.153	222.
983.	4.258	34.294	210.10	4.182	27.206	222.
1104.	3.704	34.326	199.50	3.622	27.288	222.
1200.	3.454	34.368	185.55	3.367	27.347	222.
1401.	2.987	34.462	162.44	2.888	27.466	222.
1700.	2.574	34.564*	-9.00	2.455*	27.585*	491.
2003.	2.277	34.186	-9.00	2.138	27.308	241.
2302.	2.047	34.682	168.36	1.884	27.726	222.
2602.	1.830	34.697	172.50	1.643	27.757	222.
2899.	1.673	34.704*	-9.00	1.462*	27.775*	491.
3197.	1.558	34.705	181.56	1.320	27.786	222.
3500.	1.305	34.708	187.42	1.043	27.808	222.
3802.	1.169	34.708*	192.26	0.880*	27.818*	252.

* Calculated from CTD values

CAST CG2-94-DI -050 LAT 44 29.5S LONG 102 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	13.068	34.053	260.03	13.066	25.646	222.
25.	13.068	34.053	260.34	13.065	25.647	222.
50.	12.757	34.080	261.85	12.750	25.730	222.
99.	9.652	34.095	284.98	9.641	26.306	222.
149.	7.816	34.152	278.41	7.802	26.637	222.
201.	7.004	34.235	268.99	6.986	26.818	222.
299.	6.497	34.301	266.17	6.470	26.940	222.
400.	6.242	34.306	265.07	6.206	26.978	222.
496.	6.024	34.297	265.65	5.981	27.000	222.
599.	5.733	34.280	263.54	5.681	27.024	222.
701.	5.424	34.263	261.14	5.365	27.048	222.
801.	5.042	34.260	242.77	4.976	27.092	222.
1001.	4.224	34.286	214.71	4.146	27.203	222.
1202.	3.494	34.361	185.67	3.406	27.337	222.
1402.	3.081	34.453	158.86	2.980	27.450	222.
1697.	2.589	34.560	162.54	2.470	27.580	222.
2005.	2.287	34.639	164.04	2.146	27.671	222.
2304.	2.088	34.682	169.31	1.923	27.723	222.
2606.	1.839	34.697	172.10	1.652	27.756	222.
2895.	1.694	34.703	175.43	1.482	27.773	222.
3179.	1.571	34.706	180.68	1.335	27.786	222.
3496.	1.329	34.707	186.68	1.067	27.805	222.
3699.	1.183	34.707	191.39	0.904	27.816	222.
3843.	1.118	34.708	194.64	0.826	27.822	222.

CAST CG2-94-DI -051 LAT 43 59.2S LONG 102 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	13.190	34.049*	259.38	13.189*	25.619*	292.
25.	13.152	34.049	258.90	13.149	25.627	222.
50.	12.986	34.064	261.65	12.979	25.672	222.
98.	9.450	34.102	284.72	9.439	26.344	222.
148.	7.907	34.139	281.81	7.893	26.613	222.
199.	7.136	34.223	271.23	7.117	26.791	222.
304.	6.519	34.302	266.95	6.491	26.937	222.
404.	6.212	34.304	265.08	6.176	26.981	222.
501.	5.990	34.292	266.23	5.946	27.000	222.
603.	5.687	34.274	266.71	5.635	27.024	222.
702.	5.376	34.262	257.88	5.317	27.053	222.
799.	4.939	34.247	250.15	4.875	27.093	222.
1003.	4.187	34.294	209.68	4.110	27.213	222.
1200.	3.476	34.366	183.95	3.388	27.343	222.
1401.	3.047	34.469	153.96	2.947	27.466	222.
1700.	2.591	34.563	156.06	2.471	27.583	222.
2003.	2.308	34.630	160.90	2.166	27.662	222.
2297.	2.080	34.679	169.02	1.916	27.721	222.
2598.	1.847	34.695	171.32	1.660	27.754	222.
2898.	1.706	34.701	175.16	1.494	27.771	222.
3201.	1.597	34.706	179.99	1.359	27.784	222.
3497.	1.386	34.708	186.78	1.123	27.802	222.
3799.	1.159	34.709	193.16	0.871	27.820	222.
4000.	1.098	34.708	195.98	0.790	27.825	222.

* Calculated from CTD values

CAST CG2-94-DI -052 LAT 43 30.1S LONG 103 00.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	13.357	34.049	261.57	13.356	25.586	222.
25.	13.192	34.050	261.35	13.188	25.620	222.
50.	13.171	34.050	261.94	13.164	25.625	222.
75.	11.236	34.090	275.37	11.226	26.027	222.
98.	9.272	34.100	286.05	9.261	26.372	222.
124.	8.006	34.134	284.11	7.994	26.595	222.
148.	7.512	34.166	278.46	7.498	26.692	222.
201.	6.816	34.251	267.82	6.797	26.857	222.
249.	6.548	34.285	268.02	6.526	26.919	322.
300.	6.435	34.301*	-9.00	6.408*	26.948*	351.
350.	6.331	34.305	266.38	6.300	26.965	222.
399.	6.214	34.303	266.49	6.179	26.979	222.
493.	6.000	34.295	266.66	5.957	27.001	222.
600.	5.708	34.279	263.81	5.657	27.026	222.
700.	5.348	34.264	254.65	5.290	27.058	222.
798.	4.969	34.260	240.48	4.904	27.100	222.
900.	4.581	34.276	221.97	4.509	27.156	222.
1001.	4.146	34.300	208.16	4.069	27.222	222.
1097.	3.707	34.331	197.82	3.627	27.291	222.
1197.	3.359	34.374	185.45	3.273	27.360	222.
1304.	3.137	34.419	172.80	3.044	27.417	222.
1402.	2.953	34.465	164.48	2.854	27.471	222.
1583.	2.664	34.534	162.11	2.553	27.553	222.
1800.	2.424	34.601	161.64	2.298	27.628	222.
1999.	2.251	34.641	162.38	2.111	27.675	222.
2246.	2.060	34.673	166.13	1.902	27.718	222.
2497.	1.864	34.688	168.39	1.687	27.746	222.
2742.	1.781	34.696	171.92	1.582	27.761	226.
2998.	1.672	34.703	177.07	1.451	27.775	222.
3250.	1.573	34.706	180.77	1.330	27.786	226.
3496.	1.348	34.706	186.60	1.086	27.803	226.
3498.	1.348	34.706	-9.00	1.085	27.803	221.
3791.	1.246	34.706	190.33	0.956	27.812	222.

CAST CG2-94-DI -053 LAT 43 0.2S LONG 102 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	13.605	34.056	259.87	13.603	25.541	222.
26.	13.432	34.058	260.71	13.428	25.577	222.
50.	13.411	34.056*	-9.00	13.404*	25.581*	491.
75.	10.163	34.053	285.20	10.155	26.186	222.
101.	8.831	34.099	279.40	8.820	26.441	222.
123.	8.240	34.147	276.96	8.228	26.570	222.
149.	7.848	34.178	269.46	7.833	26.653	222.
198.	6.990	34.254	270.19	6.972	26.835	222.
250.	6.694	34.298	260.59	6.671	26.911	222.
300.	6.558	34.313	264.45	6.531	26.941	222.
349.	6.440	34.313	263.95	6.409	26.957	222.
402.	6.340	34.316	263.36	6.304	26.973	222.
500.	6.077	34.305	263.75	6.034	27.000	222.
595.	5.779	34.286	261.02	5.728	27.023	222.
698.	5.392	34.270	252.00	5.334	27.057	222.
799.	4.959	34.267	235.18	4.894	27.107	222.
901.	4.543	34.280	220.13	4.472	27.164	222.
999.	4.134	34.300	208.46	4.058	27.224	222.
1201.	3.425	34.380	179.58	3.338	27.359	226.
1399.	3.035	34.470	156.22	2.935	27.468	222.
1598.	2.692	34.540	155.94	2.580	27.555	222.
1801.	2.452	34.595	160.98	2.326	27.621	226.
2000.	2.274	34.641	164.91	2.134	27.674	222.
2249.	2.078	34.683	169.38	1.918	27.724	222.
2500.	1.882	34.695	171.94	1.704	27.750	226.
2750.	1.741	34.699	173.93	1.543	27.766	222.
2997.	1.655	34.704	177.43	1.435	27.777	222.
3246.	1.527	34.707	185.18	1.286	27.790	222.
3499.	1.299	34.707	188.13	1.038	27.807	222.
3750.	1.174	34.707	-9.00	0.890	27.817	221.
3749.	1.174	34.707	191.84	0.891	27.817	222.
3751.	1.174	34.708	192.05	0.890	27.818	222.
3863.	1.086	34.709	195.27	0.793	27.825	222.

* Calculated from CTD values

CAST CG2-94-DI -054 LAT 42 29.5S LONG 102 59.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	13.666	34.051	259.87	13.665	25.524	222.
11.	13.665	34.051	259.66	13.664	25.524	222.
11.	13.665	34.052	259.65	13.663	25.525	222.
22.	13.517	34.051	260.75	13.513	25.555	222.
24.	13.515	34.050	260.67	13.512	25.555	222.
53.	13.371	34.053	261.42	13.364	25.587	222.
73.	10.727	34.083	281.11	10.719	26.112	226.
93.	9.075	34.117	283.27	9.065	26.416	222.
147.	7.653	34.200	272.21	7.638	26.699	222.
198.	7.041	34.290	259.43	7.022	26.857	222.
243.	6.819	34.308	263.56	6.796	26.902	222.
351.	6.492	34.322	261.39	6.461	26.958	226.
395.	6.363	34.319	261.83	6.327	26.973	222.
500.	6.050	34.301	264.28	6.006	27.000	226.
597.	5.755	34.280	265.33	5.703	27.021	222.
697.	5.399	34.270	251.42	5.341	27.057	222.
801.	4.951	34.268	236.00	4.886	27.108	222.
896.	4.541	34.279	221.65	4.471	27.163	222.
1096.	3.731	34.337	192.32	3.650	27.294	222.
1199.	3.379	34.387	176.56	3.292	27.368	222.
1400.	3.053	34.474	151.54	2.953	27.469	222.
1600.	2.724	34.542	149.19	2.611	27.555	222.
1796.	2.463	34.596	154.94	2.337	27.620	222.
1998.	2.256	34.636	161.15	2.116	27.671	222.
2245.	2.056	34.675	166.66	1.897	27.720	222.
2550.	1.861	34.692	170.28	1.678	27.750	222.
2748.	1.759	34.697	172.99	1.560	27.763	222.
2998.	1.664	34.701	176.52	1.444	27.775	222.
3245.	1.515	34.705	181.72	1.274	27.790	222.
3500.	1.265	34.707	188.40	1.005	27.809	222.
3498.	1.265	34.706	188.06	1.005	27.809	222.
3751.	1.187	34.706	191.54	0.903	27.816	222.
3824.	1.168	34.708	193.04	0.877	27.818	222.

CAST CG2-94-DI -055 LAT 41 59.7S LONG 103 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
13.	13.734	34.034	259.86	13.732	25.497	222.
25.	13.582	34.299	-9.00	13.578	25.733	241.
51.	13.212	34.032	262.45	13.205	25.603	222.
75.	10.001	34.063	283.36	9.993	26.222	222.
100.	9.012	34.100	-9.00	9.001	26.414	221.
122.	8.155	34.155	272.61	8.143	26.589	222.
149.	7.663	34.196	270.23	7.649	26.694	222.
200.	7.179	34.278	260.48	7.160	26.828	222.
248.	6.793	34.307	263.81	6.771	26.904	222.
300.	6.657	34.319	263.83	6.630	26.933	222.
350.	6.496	34.322	262.60	6.464	26.957	222.
404.	6.321	34.318	262.26	6.285	26.977	222.
498.	6.030	34.303	262.03	5.987	27.004	226.
602.	5.723	34.283	261.12	5.672	27.027	226.
700.	5.374	34.265	255.04	5.315	27.056	222.
801.	4.947	34.268	234.36	4.882	27.109	226.
900.	4.475	34.283	215.47	4.405	27.173	222.
999.	4.110	34.306	203.08	4.034	27.230	222.
1100.	3.740	34.338	189.87	3.659	27.294	222.
1183.	3.481	34.377	175.56	3.395	27.351	222.
1394.	3.018	34.481	150.41	2.919	27.479	222.
1599.	2.691	34.549	149.25	2.579	27.563	222.
1799.	2.436	34.598	155.54	2.310	27.624	222.
1999.	2.258	34.637	161.22	2.118	27.671	222.
2250.	2.059	34.674	166.43	1.900	27.718	222.
2502.	1.880	34.690	169.18	1.701	27.747	222.
2748.	1.774	34.695	171.79	1.575	27.760	222.
2999.	1.677	34.701	177.63	1.456	27.773	222.
3246.	1.523	34.703	180.58	1.281	27.787	222.
3498.	1.323	34.706	187.39	1.061	27.805	222.
3498.	1.319	34.706	186.84	1.058	27.805	222.
3741.	1.164	34.706	192.04	0.882	27.817	222.
3741.	1.162	34.707	-9.00	0.879	27.818	221.

CAST CG2-94-DI -056 LAT 41 29.6S LONG 102 59.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
12.	14.905	33.980	253.87	14.903	25.207	222.
25.	14.738	33.981	254.81	14.734	25.245	222.
49.	14.349	33.993	259.86	14.342	25.338	222.
100.	9.516	34.085	271.70	9.505	26.320	222.
144.	8.110	34.186	259.24	8.096	26.621	222.
195.	7.306	34.275	252.88	7.288	26.807	222.
299.	6.588	34.313	258.06	6.561	26.937	222.
400.	6.273	34.312	261.49	6.238	26.979	222.
500.	5.996	34.299	263.12	5.952	27.005	222.
600.	5.684	34.281	259.22	5.633	27.030	222.
701.	5.286	34.272	245.17	5.228	27.072	222.
800.	4.893	34.270	229.03	4.828	27.116	222.
898.	4.539	34.279	219.24	4.469	27.163	222.
1000.	4.051	34.307	202.57	3.975	27.237	222.
1200.	3.422	34.381	173.98	3.335	27.360	232.
1382.	3.062	34.478*	149.64	2.964*	27.471*	292.
1699.	2.584	34.570*	-9.00	2.465*	27.589*	391.
2028.	2.227	34.631	162.34	2.085	27.669	242.
2300.	2.008	34.681	166.96	1.845	27.728	222.
2600.	1.818	34.690	168.21	1.632	27.752	222.
2900.	1.719	34.698	172.95	1.507	27.768	222.
3202.	1.579	34.704	179.16	1.340	27.784	222.
3539.	1.273	34.706*	188.15	1.008*	27.809*	292.
3844.	1.128	34.718	193.99	0.836	27.830	232.

CAST CG2-94-DI -057 LAT 41 00.0S LONG 103 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	15.797	33.997	248.12	15.796	25.023	222.
24.	15.618	34.002	249.59	15.615	25.067	222.
50.	14.617	34.019	258.71	14.609	25.301	222.
97.	9.518	34.101	273.24	9.508	26.333	222.
148.	8.378	34.196	258.41	8.363	26.589	222.
199.	7.673	34.291	242.39	7.654	26.768	222.
246.	7.093	34.302	253.10	7.070	26.859	222.
301.	6.697	34.322	255.97	6.669	26.930	222.
398.	6.409	34.326	257.46	6.373	26.972	222.
498.	6.121	34.312	254.04	6.077	27.000	222.
597.	5.739	34.288	254.26	5.687	27.029	222.
803.	4.989	34.661	232.47	4.923	27.416	242.
996.	4.152	34.304	201.30	4.076	27.225	222.
1199.	3.483	34.384	170.56	3.395	27.357	222.
1399.	3.101	34.487	140.75	3.000	27.476	222.
1705.	2.594	34.566	153.04	2.474	27.585	222.
1996.	2.272	34.637	162.54	2.132	27.670	222.
2301.	2.003	34.680	166.71	1.840	27.728	222.
2599.	1.828	34.691	168.54	1.642	27.751	222.
2903.	1.727	34.698	173.24	1.515	27.767	222.
3203.	1.578	34.703	178.42	1.340	27.783	222.
3500.	1.300	34.706	187.21	1.039	27.806	222.
3798.	1.165	34.709	192.03	0.876	27.819	222.
4081.	1.127	34.708	194.63	0.810	27.823	222.

* Calculated from CTD values

CAST CG2-94-DI -058 LAT 40 30.2S LONG 102 59.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	15.591	34.008	251.38	15.589	25.078	222.
24.	15.545	34.009	251.17	15.542	25.090	222.
49.	15.130	34.012	254.99	15.123	25.184	222.
75.	11.470	34.015	276.89	11.460	25.925	222.
98.	10.574	34.046	271.98	10.563	26.110	222.
126.	9.665	34.093	271.76	9.651	26.303	222.
149.	9.038	34.191	266.60	9.023	26.481	232.
196.	8.202	34.262*	-9.00	8.182*	26.667*	491.
251.	7.236	34.301	243.85	7.213	26.839	222.
301.	6.812	34.317	249.90	6.784	26.911	222.
340.	6.606	34.320	254.64	6.575	26.941	222.
399.	6.395	34.319	254.74	6.359	26.969	222.
449.	6.261	34.317	256.35	6.222	26.985	222.
500.	6.106	34.310	255.70	6.062	26.999	222.
702.	5.450	34.275	245.73	5.391	27.055	222.
799.	5.051	34.267*	-9.00	4.986*	27.096*	491.
899.	4.638	34.280	216.52	4.566	27.153	222.
998.	4.185	34.307	200.34	4.109	27.223	222.
1093.	3.829	34.333	188.10	3.747	27.282	222.
1200.	3.506	34.386	167.25	3.418	27.356	222.
1394.	3.124	34.487	137.57	3.024	27.474	222.
1599.	2.751	34.553	141.31	2.638	27.561	222.
1802.	2.470	34.592	148.45	2.344	27.617	222.
1995.	2.289	34.632	161.99	2.148	27.665	226.
2248.	2.069	34.672	165.24	1.909	27.716	222.
2502.	1.879	34.687	167.11	1.701	27.744	226.
2750.	1.798	34.692	168.45	1.598	27.756	226.
3002.	1.707	34.699	172.86	1.485	27.770	222.
3232.	1.581	34.702	178.07	1.340	27.783	222.
3501.	1.319	34.705	186.66	1.058	27.805	222.
3750.	1.185	34.707	190.75	0.901	27.816	222.
3748.	1.186	34.706	190.98	0.903	27.815	222.
3970.	1.127	34.707	196.01	0.822	27.822	222.

CAST CG2-94-DI -059 LAT 40 00.2S LONG 102 58.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	15.737	33.998	250.05	15.735	25.038	222.
24.	15.607	34.002	250.99	15.603	25.071	222.
48.	13.024	34.001	273.83	13.017	25.616	222.
69.	11.732	33.999	277.56	11.723	25.864	222.
97.	10.970	34.114	254.90	10.958	26.094	232.
123.	10.267	34.166	248.65	10.253	26.258	222.
148.	9.528	34.232	239.75	9.511	26.435	222.
198.	8.109	34.279	239.75	8.089	26.694	222.
242.	7.339	34.290	246.50	7.316	26.816	222.
297.	6.833	34.317	250.92	6.806	26.908	222.
345.	6.639	34.329	254.87	6.608	26.943	322.
398.	6.454	34.330	255.54	6.418	26.970	222.
494.	6.160	34.315	257.78	6.116	26.997	222.
598.	5.826	34.295	253.19	5.775	27.024	222.
698.	5.423	34.274	248.40	5.364	27.058	222.
796.	5.065	34.272	233.30	4.999	27.098	222.
896.	4.622	34.280	217.14	4.551	27.155	222.
997.	4.140	34.308	199.08	4.064	27.229	222.
1099.	3.723	34.348	181.47	3.642	27.303	222.
1201.	3.465	34.404	158.62	3.378	27.374	222.
1398.	3.121	34.492	136.80	3.021	27.478	222.
1499.	2.920	34.525*	-9.00	2.813*	27.523*	391.
1595.	2.765	34.552	138.21	2.652	27.559	222.
1998.	2.263	34.627	153.49	2.122	27.663	222.
2250.	2.052	34.661	159.83	1.893	27.709	226.
2498.	1.894	34.682	164.42	1.716	27.739	222.
2746.	1.815	34.688	166.76	1.615	27.752	226.
3002.	1.749	34.696	171.90	1.526	27.765	222.
3249.	1.648	34.702	176.76	1.404	27.778	226.
3501.	1.417	34.706	183.87	1.153	27.798	222.
3500.	1.416	34.705	183.86	1.152	27.798	222.
3727.	1.198	34.706	190.79	0.916	27.815	222.
4016.	1.165	34.707	193.85	0.854	27.820	222.

* Calculated from CTD values

CAST CG2-94-DI -060 LAT 39 29.9S LONG 102 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
12.	16.166	33.978	247.71	16.164	24.925	222.
25.	15.708	33.998	250.46	15.704	25.045	222.
51.	15.473	34.005	252.09	15.465	25.104	226.
75.	11.742	34.002	278.16	11.732	25.865	222.
99.	10.605	34.041	271.62	10.593	26.102	322.
125.	9.918	34.090	270.22	9.903	26.258	222.
150.	9.206	34.110	269.04	9.190	26.391	222.
198.	8.666	34.287	235.73	8.645	26.616	222.
251.	7.400	34.275	247.36	7.376	26.795	222.
297.	6.944	34.310	251.13	6.916	26.887	222.
351.	6.658	34.326	254.78	6.626	26.939	222.
398.	6.518	34.330	257.74	6.482	26.961	222.
500.	6.169	34.313	257.32	6.124	26.994	222.
599.	5.890	34.297	255.63	5.838	27.017	222.
701.	5.483	34.276	249.54	5.424	27.052	222.
801.	5.051	34.268	236.10	4.985	27.097	222.
903.	4.614	34.279	216.93	4.542	27.155	222.
998.	4.208	34.302	201.84	4.131	27.217	222.
1097.	3.796	34.341	184.42	3.714	27.291	226.
1202.	3.468	34.387	167.98	3.380	27.360	222.
1402.	3.122	34.487	139.11	3.021	27.474	222.
1605.	2.794	34.551	132.63	2.680	27.556	222.
1799.	2.533	34.587	139.99	2.406	27.608	222.
1998.	2.291	34.620	150.61	2.151	27.655	226.
2251.	2.079	34.661	161.43	1.920	27.706	222.
2498.	1.926	34.680	164.66	1.747	27.735	222.
2729.	1.827	34.689	167.55	1.629	27.751	222.
2997.	1.717	34.695	171.59	1.496	27.766	222.
3250.	1.576	34.701	178.03	1.333	27.783	222.
3497.	1.329	34.705	186.05	1.068	27.804	222.
3753.	1.181	34.707	190.99	0.897	27.817	222.
3752.	1.180	34.706	191.09	0.896	27.816	222.
3994.	1.179	34.708	192.05	0.870	27.819	222.

CAST CG2-94-DI -061 LAT 39 00.0S LONG 103 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	17.965	33.892	239.30	17.963	24.433	222.
11.	17.970	33.893	239.35	17.968	24.433	222.
18.	17.789	33.890	240.66	17.786	24.475	222.
51.	14.358	33.973	276.40	14.351	25.321	222.
71.	13.121	33.957	272.68	13.111	25.564	222.
96.	12.326	34.023	260.97	12.314	25.771	222.
147.	11.300	34.255	235.35	11.282	26.144	222.
196.	9.853	34.304	229.97	9.830	26.437	222.
247.	8.650	34.311	232.96	8.624	26.638	222.
299.	7.564	34.328	234.60	7.535	26.815	222.
344.	7.029	34.332	239.20	6.997	26.893	222.
398.	6.688	34.341	245.18	6.652	26.947	222.
495.	6.247	34.322	247.44	6.202	26.991	222.
600.	5.867	34.298	249.77	5.815	27.021	222.
700.	5.508	34.278	244.55	5.449	27.050	222.
797.	5.169	34.269	234.49	5.103	27.084	222.
893.	4.731	34.274	219.38	4.660	27.138	222.
997.	4.248	34.301	199.38	4.171	27.212	222.
1095.	3.885	34.344	177.78	3.802	27.285	222.
1196.	3.588	34.399	157.30	3.500	27.358	222.
1396.	3.204	34.486	136.63	3.103	27.466	222.
1597.	2.843	34.544	137.08	2.730	27.545	222.
1796.	2.559	34.584	140.68	2.432	27.604	222.
2000.	2.308	34.617	145.95	2.167	27.652	222.
2248.	2.096	34.659	161.52	1.937	27.703	222.
2499.	1.924	34.681	164.85	1.745	27.736	226.
2747.	1.824	34.688	167.80	1.624	27.751	222.
2998.	1.755	34.695	171.19	1.532	27.763	226.
3246.	1.643	34.701	176.70	1.398	27.778	222.
3500.	1.428	34.704	183.19	1.163	27.797	222.
3498.	1.428	34.704	182.99	1.164	27.797	222.
3749.	1.171	34.706	191.62	0.888	27.816	226.
3852.	1.157	34.707	192.07	0.863	27.819	222.

CAST CG2-94-DI -062 LAT 38 30.6S LONG 103 00.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	18.832	33.961	234.03	18.830	24.271	222.
26.	18.689	33.962	235.99	18.685	24.309	222.
48.	18.642	33.960	235.32	18.634	24.320	222.
75.	14.642	33.939	271.29	14.631	25.234	222.
100.	12.908	33.970	268.88	12.895	25.616	222.
125.	12.152	34.074	254.68	12.136	25.844	222.
151.	11.334	34.185	241.78	11.315	26.084	222.
204.	9.841	34.315	229.67	9.818	26.448	222.
249.	8.902	34.359	227.71	8.875	26.636	222.
302.	7.756	34.310	236.31	7.726	26.772	222.
348.	7.062	34.315	236.64	7.029	26.875	222.
403.	6.703	34.334	242.23	6.666	26.940	222.
499.	6.238	34.318	245.72	6.194	26.989	322.
601.	5.881	34.295	254.29	5.828	27.017	222.
702.	5.533	34.276	248.76	5.474	27.046	222.
800.	5.112	34.265	233.13	5.046	27.088	222.
901.	4.704	34.276	214.43	4.632	27.143	222.
995.	4.324	34.301	196.35	4.247	27.205	222.
1101.	3.910	34.339	179.97	3.827	27.278	222.
1199.	3.548	34.381	164.35	3.460	27.347	222.
1403.	3.164	34.489	134.57	3.063	27.471	222.
1609.	2.824	34.548	134.95	2.709	27.551	222.
1805.	2.515	34.587	144.66	2.387	27.609	222.
1994.	2.289	34.620	153.03	2.148	27.656	222.
2250.	2.056	34.656	158.67	1.897	27.704	226.
2497.	1.903	34.679	164.68	1.725	27.736	226.
2658.	1.846	34.685	166.44	1.654	27.746	226.
2993.	1.773	34.693	169.40	1.551	27.760	222.
3251.	1.663	34.698	174.68	1.418	27.773	222.
3493.	1.461	34.702	181.35	1.196	27.793	222.
3743.	1.190	34.707	190.65	0.907	27.816	222.
3743.	1.189	34.706	191.09	0.906	27.815	222.
4037.	1.139	34.707	-9.00	0.826	27.821	221.

CAST CG2-94-DI -063 LAT 37 59.9S LONG 102 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	18.816	33.900	236.10	18.814	24.229	222.
25.	18.777	33.901	236.97	18.773	24.240	222.
51.	15.567	33.918	270.71	15.560	25.015	222.
76.	13.842	33.925	271.12	13.831	25.392	222.
99.	12.401	33.932	265.89	12.388	25.686	222.
124.	11.762	34.017	256.38	11.746	25.874	222.
148.	11.105	34.143	245.19	11.087	26.093	222.
198.	9.576	34.255	232.74	9.554	26.445	222.
247.	8.504	34.308	233.13	8.478	26.659	222.
301.	7.634	34.333	235.63	7.604	26.809	222.
349.	7.090	34.344	239.76	7.057	26.894	222.
397.	6.765	34.342	246.62	6.729	26.938	222.
499.	6.332	34.326	250.28	6.288	26.983	222.
598.	5.946	34.302	250.42	5.894	27.015	222.
698.	5.531	34.279	247.24	5.472	27.048	222.
796.	5.095	34.267	234.08	5.029	27.091	222.
898.	4.686	34.277	215.72	4.614	27.146	222.
1000.	4.236	34.303	197.36	4.159	27.216	222.
1200.	3.578	34.389	161.92	3.490	27.351	222.
1395.	3.201	34.488	135.21	3.100	27.468	222.
1596.	2.849	34.547	134.23	2.735	27.547	222.
1798.	2.515	34.585	148.28	2.388	27.607	222.
1995.	2.257	34.624	157.23	2.117	27.661	222.
2248.	2.008	34.663	-9.00	1.850	27.713	221.
2499.	1.866	34.678	165.07	1.689	27.738	322.
2749.	1.808	34.685	166.39	1.608	27.749	222.
2995.	1.763	34.689	169.09	1.540	27.758	226.
3244.	1.667	34.695	173.45	1.423	27.771	222.
3498.	1.443	34.702	182.16	1.179	27.794	226.
3747.	1.226	34.706	189.47	0.941	27.813	222.
3998.	1.148	34.707	192.86	0.839	27.821	226.
3999.	1.148	34.706	-9.00	0.839	27.820	221.
4192.	1.156	34.707	193.37	0.826	27.821	222.

CAST CG2-94-DI -064 LAT 37 29.9S LONG 102 59.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	18.688	33.911	235.96	18.687	24.269	222.
25.	18.705	33.912	235.93	18.700	24.266	222.
50.	16.429	34.098	272.13	16.421	24.958	222.
68.	14.963	34.086	272.30	14.953	25.278	222.
98.	12.953	33.993	263.16	12.940	25.626	222.
126.	12.111	34.049	259.03	12.095	25.833	222.
148.	11.277	34.172	244.45	11.259	26.084	222.
201.	10.181	34.336	227.41	10.158	26.407	222.
247.	8.589	34.280	235.25	8.563	26.624	222.
299.	7.674	34.322	237.54	7.645	26.794	222.
354.	6.918	34.320	241.21	6.886	26.899	222.
399.	6.675	34.330	248.71	6.639	26.940	222.
498.	6.217	34.318	251.62	6.173	26.991	222.
606.	5.839	34.294	252.01	5.787	27.022	222.
701.	5.506	34.276	248.52	5.447	27.049	222.
800.	5.135	34.266	237.28	5.069	27.086	222.
900.	4.650	34.275	217.57	4.578	27.148	222.
999.	4.188	34.304	198.28	4.111	27.221	222.
1099.	3.807	34.343	180.47	3.725	27.291	226.
1196.	3.531	34.390	162.36	3.444	27.357	222.
1298.	3.330	34.445	144.20	3.235	27.421	222.
1396.	3.143	34.497	132.62	3.042	27.480	222.
1502.	2.955	34.533	130.40	2.848	27.526	222.
1599.	2.816	34.553	131.87	2.702	27.555	226.
1801.	2.500	34.592	140.97	2.373	27.614	222.
1996.	2.259	34.625	152.57	2.119	27.662	222.
2247.	2.039	34.659	161.04	1.880	27.708	222.
2498.	1.862	34.679	164.47	1.685	27.739	226.
2747.	1.806	34.683	165.57	1.606	27.748	222.
3000.	1.748	34.690	169.58	1.525	27.760	222.
3245.	1.659	34.697	173.26	1.415	27.773	222.
3246.	1.656	34.695	173.55	1.412	27.772	222.
3529.	1.436	34.702	182.60	1.168	27.794	222.

* Calculated from CTD values

CAST CG2-94-DI -065 LAT 36 59.7S LONG 103 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
12.	19.555	34.062	232.68	19.553	24.164	222.
25.	19.550	34.064	232.95	19.545	24.167	222.
46.	19.365	34.066*	236.54	19.357*	24.218*	292.
96.	13.686	34.012	-9.00	13.672	25.492	321.
147.	12.673	34.258	238.24	12.654	25.887	232.
194.	10.896	34.282	231.26	10.872	26.240	222.
297.	8.059	34.306	236.43	8.028	26.724	222.
396.	6.905	34.334	241.41	6.868	26.913	222.
496.	6.428	34.332	247.99	6.383	26.975	222.
598.	5.979	34.306	247.93	5.926	27.014	222.
698.	5.551	34.283	243.74	5.491	27.049	222.
796.	5.165	34.267	236.85	5.099	27.083	222.
898.	4.680	34.277	217.96	4.608	27.146	222.
999.	4.223	34.302	199.81	4.147	27.216	222.
1206.	3.472	34.408	156.54	3.384	27.377	222.
1391.	3.167	34.498*	-9.00	3.067*	27.478*	491.
1605.	2.759	34.557	138.51	2.645	27.563	222.
1888.	2.377	34.605	153.21	2.245	27.635	222.
2207.	2.039	34.659	161.74	1.884	27.707	222.
2602.	1.831	34.687	165.34	1.644	27.748	222.
3002.	1.760	34.693	169.33	1.537	27.761	222.
3390.	1.552	34.698	176.99	1.296	27.782	222.
3802.	1.210	34.707	190.02	0.920	27.815	222.
4094.	1.219	34.707	190.82	0.898	27.817	222.

CAST CG2-94-DI -066 LAT 36 29.9S LONG 103 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
12.	19.853	34.124	230.68	19.851	24.134	222.
25.	19.853	34.122	231.84	19.849	24.133	222.
49.	17.769	34.052*	251.07	17.761*	24.606*	292.
101.	13.513	34.012	261.12	13.499	25.527	222.
149.	12.075	34.188	241.23	12.056	25.949	222.
199.	10.562	34.291	230.15	10.538	26.306	222.
300.	7.924	34.311	228.95	7.894	26.749	222.
401.	6.659	34.330	249.18	6.622	26.942	222.
501.	6.273	34.320*	253.93	6.228*	26.986*	292.
601.	5.885	34.298	252.48	5.833	27.019	222.
702.	5.479	34.277	247.76	5.420	27.053	222.
804.	5.044	34.266	234.30	4.978	27.096	222.
900.	4.615	34.275*	217.00	4.544*	27.152*	292.
1005.	4.096	34.310	195.37	4.019	27.235	222.
1200.	3.474	34.403	159.00	3.386	27.373	222.
1402.	3.108	34.504	133.12	3.007	27.488	222.
1700.	2.594	34.577	143.25	2.474	27.594	222.
1993.	2.223	34.628	156.07	2.084	27.667	222.
2302.	1.972	34.667	162.92	1.810	27.720	222.
2597.	1.822	34.681	165.20	1.636	27.744	222.
2897.	1.765	34.687	166.67	1.553	27.755	222.
3201.	1.675	34.692	172.15	1.435	27.768	222.
3400.	1.565	34.698	177.10	1.307	27.781	222.
3529.	1.393	34.701	182.73	1.127	27.797	222.

CAST CG2-94-DI -067 LAT 35 59.6S LONG 102 59.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
14.	20.160	34.116*	229.92	20.157*	24.048*	252.
25.	20.161	34.115*	230.02	20.156*	24.047*	252.
50.	16.320	34.023*	270.62	16.312*	24.926*	252.
77.	14.262	34.083*	-9.00	14.251*	25.426*	391.
99.	13.154	34.049	264.39	13.140	25.629	222.
200.	10.119	34.319	228.61	10.096	26.404	222.
300.	7.743	34.320	233.04	7.714	26.782	222.
402.	6.659	34.333	245.21	6.622	26.945	222.
493.	6.233	34.322	249.52	6.189	26.993	232.
599.	5.844	34.295	250.41	5.792	27.022	222.
697.	5.446	34.274	245.50	5.387	27.055	222.
798.	5.077	34.267	234.08	5.011	27.093	222.
887.	4.649	34.272	218.52	4.578	27.145	222.
991.	4.204	34.301	199.73	4.128	27.217	222.
1200.	3.485	34.404	156.50	3.397	27.373	222.
1395.	3.120	34.501	132.47	3.020	27.485	222.
1697.	2.576	34.580	144.42	2.457	27.598	222.
2000.	2.221	34.631	157.36	2.081	27.670	222.
2295.	1.943	34.668	162.59	1.782	27.723	222.
2599.	1.806	34.679	164.27	1.620	27.743	222.
2897.	1.745	34.685	167.79	1.532	27.755	222.
3198.	1.701	34.688	171.08	1.461	27.763	222.
3396.	1.629	34.694	174.69	1.370	27.774	222.
3648.	1.541	34.698	177.83	1.258	27.785	222.

* Calculated from CTD values

CAST CG2-94-DI -068 LAT 35 30.0S LONG 103 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	19.805	34.052	231.96	19.804	24.092	222.
26.	19.781	34.053	232.38	19.776	24.099	222.
52.	15.835	34.143	275.13	15.827	25.128	222.
76.	14.128	34.059	272.10	14.117	25.436	222.
100.	12.658	34.022	262.14	12.645	25.706	322.
120.	12.084	34.119	252.79	12.068	25.893	222.
152.	11.739	34.323	232.79	11.719	26.117	222.
199.	10.055	34.310*	-9.00	10.032*	26.408*	491.
249.	8.736	34.345	226.35	8.710	26.651	222.
298.	7.566	34.300	237.35	7.537	26.792	222.
351.	6.949	34.318	240.28	6.916	26.893	222.
400.	6.637	34.335	246.77	6.600	26.949	222.
496.	6.229	34.319	250.77	6.185	26.991	222.
602.	5.827	34.295	250.94	5.775	27.024	226.
699.	5.443	34.276	245.90	5.384	27.056	222.
798.	4.988	34.266	231.23	4.923	27.103	222.
900.	4.581	34.279	213.52	4.510	27.159	222.
1000.	4.121	34.308	195.73	4.045	27.231	222.
1099.	3.752	34.362	169.60	3.670	27.312	226.
1196.	3.437	34.432	146.11	3.350	27.399	222.
1301.	3.254	34.480	134.09	3.161	27.455	222.
1396.	3.099	34.513	128.93	2.999	27.497	222.
1503.	2.914	34.542	132.29	2.807	27.537	222.
1596.	2.765	34.561	134.88	2.652	27.566	226.
1799.	2.444	34.596	147.03	2.318	27.622	222.
1998.	2.224	34.627	155.20	2.085	27.666	222.
2200.	2.014	34.657	160.04	1.860	27.707	222.
2397.	1.864	34.672	162.73	1.696	27.732	222.
2599.	1.789	34.678	164.43	1.603	27.744	222.
2800.	1.759	34.682	165.75	1.555	27.751	222.
2998.	1.755	34.684	165.90	1.533	27.755	222.
2997.	1.755	34.685	166.82	1.532	27.755	222.
3156.	1.769	34.684	166.80	1.531	27.754	222.

CAST CG2-94-DI -069 LAT 34 59.9S LONG 103 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	20.341	34.077	229.46	20.339	23.970	222.
24.	20.346	34.078	229.57	20.341	23.970	222.
50.	16.307	34.149	273.96	16.299	25.026	222.
78.	14.466	34.138	263.27	14.455	25.426	222.
102.	13.392	34.113	253.85	13.378	25.630	222.
121.	12.973	34.169	247.87	12.957	25.759	222.
150.	12.320	34.357	231.59	12.300	26.033	222.
198.	11.028	34.405	223.40	11.004	26.312	222.
249.	9.330	34.376	219.47	9.302	26.581	222.
299.	7.997	34.327	229.18	7.967	26.750	222.
349.	7.120	34.329	237.39	7.087	26.878	222.
397.	6.767	34.336	243.16	6.730	26.933	322.
497.	6.282	34.323	249.39	6.238	26.987	222.
596.	5.880	34.298	249.20	5.828	27.019	222.
699.	5.492	34.278	244.23	5.433	27.052	222.
798.	5.069	34.267	232.45	5.004	27.094	222.
899.	4.601	34.278	212.59	4.530	27.155	222.
996.	4.154	34.309	192.92	4.078	27.229	222.
1099.	3.741	34.362	169.23	3.660	27.313	222.
1204.	3.495	34.421	147.64	3.407	27.385	222.
1298.	3.323	34.502	131.80	3.228	27.467	242.
1397.	3.162	34.511	127.49	3.061	27.489	222.
1600.	2.789	34.558	134.20	2.675	27.561	222.
1801.	2.466	34.600	144.05	2.339	27.624	236.
1997.	2.214	34.630	154.43	2.074	27.669	222.
2252.	1.981	34.661	160.88	1.823	27.714	222.
2414.	1.872	34.672	163.13	1.702	27.732	222.
2502.	1.825	34.676	163.89	1.648	27.739	222.
2750.	1.755	34.682	166.16	1.557	27.751	222.
2999.	1.745	34.685	167.12	1.523	27.756	222.
3250.	1.757	34.687	167.34	1.510	27.758	222.
3249.	1.757	34.687	168.27	1.510	27.758	222.
3574.	1.778	34.688	171.58	1.497	27.760	222.

* Calculated from CTD values

CAST CG2-94-DI -070 LAT 34 30.8S LONG 103 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	20.625	34.187	227.67	20.623	23.978	222.
26.	20.618	34.188	225.55	20.613	23.981	222.
52.	16.615	34.147	271.45	16.607	24.953	222.
75.	15.363	34.213	268.96	15.351	25.289	222.
100.	14.656	34.327	245.26	14.641	25.531	222.
123.	13.864	34.225	247.40	13.846	25.621	226.
149.	13.574	34.512	221.91	13.553	25.903	222.
200.	11.846	34.509	213.81	11.820	26.243	222.
254.	9.866	34.407	219.68	9.837	26.517	226.
306.	8.282	34.340	227.35	8.250	26.718	222.
355.	7.413	34.314	237.10	7.379	26.825	222.
400.	6.878	34.319	243.94	6.841	26.905	226.
497.	6.397	34.330	243.30	6.352	26.978	222.
592.	5.956	34.301	249.39	5.904	27.013	222.
695.	5.543	34.280	244.96	5.484	27.048	222.
796.	5.115	34.267	234.92	5.049	27.088	222.
900.	4.670	34.274	216.19	4.598	27.145	222.
994.	4.223	34.306	194.04	4.147	27.219	222.
1096.	3.813	34.352	172.02	3.731	27.298	222.
1198.	3.547	34.409	151.57	3.459	27.370	222.
1299.	3.314	34.464	137.03	3.219	27.437	222.
1395.	3.144	34.507	130.00	3.043	27.487	222.
1500.	2.954	34.537	130.15	2.847	27.530	222.
1599.	2.782	34.558	133.66	2.669	27.562	222.
1800.	2.435	34.597	146.20	2.309	27.624	222.
2000.	2.184	34.633	156.35	2.044	27.674	222.
2248.	1.952	34.664	161.98	1.795	27.718	222.
2500.	1.814	34.679	164.52	1.637	27.743	222.
2751.	1.754	34.682	165.98	1.555	27.751	222.
2999.	1.745	34.686	166.98	1.523	27.756	222.
3254.	1.754	34.688	167.38	1.507	27.759	222.
3249.	1.754	34.688	168.30	1.507	27.759	222.
3455.	1.768	34.688	167.69	1.499	27.760	222.

CAST CG2-94-DI -071 LAT 34 00.4S LONG 103 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	20.948	34.303	226.37	20.946	23.979	222.
23.	20.885	34.283	226.56	20.881	23.981	222.
49.	18.443	34.270	256.37	18.434	24.607	222.
73.	15.153	34.178	266.85	15.142	25.308	222.
103.	14.301	34.227	253.96	14.286	25.530	222.
125.	13.690	34.182	251.62	13.672	25.623	222.
147.	12.913	34.162	247.32	12.893	25.765	222.
198.	12.382	34.511	216.65	12.355	26.141	222.
248.	10.788	34.445	216.66	10.758	26.387	222.
298.	9.061	34.364	220.96	9.029	26.616	222.
349.	7.588	34.325	233.37	7.554	26.810	222.
402.	6.958	34.335	237.38	6.921	26.906	222.
502.	6.319	34.326	248.49	6.274	26.985	222.
599.	5.890	34.297	249.85	5.838	27.018	222.
699.	5.523	34.277	247.06	5.464	27.048	222.
800.	5.041	34.265	233.00	4.975	27.095	222.
897.	4.585	34.271	212.75	4.514	27.152	222.
995.	4.116	34.306	192.96	4.040	27.230	222.
1100.	3.728	34.357	172.30	3.646	27.310	222.
1197.	3.487	34.419	147.32	3.399	27.384	222.
1401.	3.125	34.511	128.59	3.024	27.493	226.
1600.	2.743	34.564	136.37	2.630	27.570	222.
1806.	2.404	34.602	146.48	2.278	27.630	226.
1998.	2.172	34.634	155.86	2.033	27.676	222.
2253.	1.952	34.664	160.54	1.794	27.718	226.
2498.	1.814	34.679	164.42	1.638	27.742	222.
2739.	1.757	34.682	166.20	1.559	27.751	222.
2995.	1.744	34.686	167.42	1.522	27.756	222.
3246.	1.754	34.687	168.53	1.508	27.758	222.
3247.	1.755	34.687	166.21	1.508	27.758	222.
3248.	1.755	34.688	167.79	1.508	27.759	222.
3495.	1.774	34.688	168.48	1.502	27.760	222.
3688.	1.792	34.688	168.86	1.498	27.760	222.

CAST CG2-94-DI -072 LAT 33 30.0S LONG 102 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	21.660	34.847	221.71	21.658	24.199	222.
25.	21.663	34.849	221.52	21.658	24.200	222.
49.	21.409	34.837	224.04	21.399	24.262	222.
73.	17.587	34.602	256.19	17.574	25.072	222.
100.	16.407	34.619	254.37	16.391	25.366	232.
124.	16.206	34.676	246.86	16.186	25.457	222.
148.	15.666	34.675	239.08	15.643	25.579	222.
198.	13.943	34.687	214.06	13.914	25.964	222.
250.	12.068	34.576	211.71	12.035	26.254	222.
301.	9.899	34.405	217.95	9.865	26.511	222.
351.	8.361	34.336	221.86	8.325	26.703	222.
399.	7.392	34.323	225.62	7.353	26.837	222.
497.	6.448	34.325	240.45	6.403	26.967	222.
601.	5.955	34.302	247.93	5.902	27.013	222.
699.	5.510	34.277	245.65	5.450	27.049	222.
799.	5.082	34.262	236.27	5.016	27.088	222.
901.	4.639	34.273	216.11	4.567	27.147	222.
1000.	4.165	34.309	192.66	4.088	27.227	222.
1058.	3.891	34.335	180.26	3.812	27.277	222.
1198.	3.499	34.417	149.97	3.411	27.381	222.
1237.	3.418	34.440	141.81	3.328	27.408	222.
1401.	3.129	34.512	125.22	3.029	27.493	222.
1601.	2.760	34.566	131.26	2.646	27.571	222.
1799.	2.448	34.597	143.80	2.322	27.623	222.
2001.	2.208	34.629	151.24	2.068	27.669	222.
2251.	1.954	34.664	160.40	1.797	27.718	222.
2499.	1.827	34.677	163.99	1.650	27.740	222.
2750.	1.762	34.683	166.08	1.563	27.751	222.
3002.	1.751	34.686	167.07	1.528	27.756	226.
3250.	1.764	34.687	167.31	1.517	27.758	226.
3250.	1.764	34.689	166.95	1.517	27.759	226.
3499.	1.783	34.688	168.32	1.510	27.759	222.
3629.	1.793	34.688	167.66	1.506	27.759	222.

CAST CG2-94-DI -073 LAT 32 59.7S LONG 102 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	22.008	35.062	219.48	22.006	24.264	222.
25.	22.008	35.066	219.69	22.003	24.268	222.
51.	21.130	35.042	228.88	21.120	24.494	222.
76.	18.435	34.961	245.70	18.422	25.139	222.
101.	17.345	34.820	247.10	17.328	25.299	222.
123.	16.683	34.729	245.79	16.663	25.387	222.
152.	16.272	34.738	240.28	16.248	25.490	226.
201.	14.594	34.753	213.98	14.564	25.877	222.
251.	12.184	34.555	212.61	12.151	26.215	326.
299.	10.389	34.441	212.11	10.353	26.455	222.
343.	8.609	34.334	219.79	8.573	26.664	226.
397.	7.547	34.321	234.08	7.508	26.813	222.
497.	6.547	34.331	246.53	6.501	26.960	222.
597.	6.050	34.306*	-9.00	5.997*	27.005*	491.
700.	5.598	34.280	248.40	5.539	27.041	222.
797.	5.179	34.265	238.62	5.113	27.080	222.
899.	4.682	34.268	218.01	4.611	27.139	222.
996.	4.215	34.297	197.87	4.138	27.213	222.
1098.	3.837	34.358	168.00	3.755	27.300	222.
1198.	3.582	34.435	138.34	3.493	27.387	222.
1299.	3.301	34.473	132.36	3.207	27.446	222.
1399.	3.135	34.516	126.33	3.034	27.496	222.
1598.	2.761	34.563	136.06	2.648	27.567	222.
1800.	2.408	34.599	149.25	2.282	27.628	226.
1999.	2.174	34.631	-9.00	2.035	27.673	221.
2253.	1.950	34.662	160.31	1.792	27.717	222.
2493.	1.822	34.678	163.91	1.645	27.741	222.
2746.	1.755	34.683	165.79	1.557	27.752	222.
2993.	1.751	34.687	166.64	1.529	27.757	222.
3251.	1.764	34.688	166.93	1.516	27.758	222.
3494.	1.782	34.690	166.85	1.510	27.760	222.
3499.	1.783	34.688	167.53	1.510	27.759	222.
3696.	1.803	34.690	167.26	1.508	27.761	222.

* Calculated from CTD values

CAST CG2-94-DI -074 LAT 32 30.0S LONG 103 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	22.120	34.932	218.62	22.118	24.134	222.
24.	22.122	34.935	218.63	22.118	24.137	222.
48.	19.397	34.708	247.20	19.389	24.699	222.
73.	17.969	34.711	251.32	17.956	25.063	222.
101.	16.725	34.695	248.77	16.708	25.350	232.
125.	15.889	34.577	245.91	15.869	25.453	222.
151.	15.259	34.549	235.11	15.236	25.573	222.
196.	13.955	34.669	-9.00	13.927	25.947	221.
248.	12.317	34.564	213.63	12.284	26.197	322.
300.	10.131	34.410	217.55	10.096	26.475	226.
350.	8.530	34.356	210.76	8.493	26.693	322.
401.	7.490	34.331	196.94	7.451	26.829	222.
500.	6.389	34.321	217.61	6.344	26.972	222.
601.	5.842	34.298	245.97	5.790	27.024	222.
701.	5.402	34.272	241.26	5.343	27.058	222.
800.	5.019	34.263	229.88	4.953	27.096	222.
901.	4.551	34.275	213.50	4.480	27.159	222.
1001.	4.101	34.317	186.92	4.024	27.240	222.
1100.	3.698	34.370	164.50	3.617	27.323	222.
1200.	3.439	34.434	142.38	3.351	27.400	222.
1299.	3.267	34.480	131.53	3.173	27.454	222.
1399.	3.079	34.519	126.78	2.978	27.503	222.
1596.	2.676	34.570	136.66	2.564	27.581	222.
1800.	2.378	34.603	149.35	2.253	27.633	222.
2003.	2.125	34.638	156.57	1.986	27.683	226.
2250.	1.904	34.666	160.47	1.747	27.724	222.
2499.	1.796	34.678	164.34	1.620	27.743	222.
2748.	1.753	34.683	164.04	1.555	27.752	222.
3002.	1.753	34.685	166.58	1.531	27.755	222.
3248.	1.767	34.687	165.61	1.520	27.758	226.
3498.	1.781	34.688	167.05	1.508	27.759	222.
3501.	1.781	34.688	167.37	1.508	27.759	222.
3624.	1.794	34.688	168.04	1.508	27.759	222.

CAST CG2-94-DI -075 LAT 31 59.7S LONG 102 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	22.674	35.365	216.41	22.672	24.306	222.
27.	22.651	35.363	216.91	22.645	24.313	222.
51.	19.728	34.974	242.20	19.718	24.817	222.
77.	17.958	34.874	248.33	17.945	25.190	232.
102.	17.794	35.026	239.49	17.777	25.348	222.
148.	16.635	34.846	240.11	16.611	25.489	222.
200.	15.261	34.866	215.05	15.230	25.819	222.
197.	15.312	34.873	214.85	15.282	25.812	222.
247.	13.333	34.749	206.34	13.299	26.138	222.
293.	11.482	34.565	204.86	11.445	26.356	222.
346.	9.335	34.470	207.16	9.296	26.656	232.
396.	7.859	34.345	210.85	7.819	26.786	222.
500.	6.565	34.331	238.30	6.519	26.957	222.
607.	5.942	34.301	245.55	5.889	27.015	222.
708.	5.504	34.277	244.58	5.444	27.050	222.
802.	5.066	34.267	231.50	5.000	27.094	222.
905.	4.531	34.280	209.30	4.460	27.165	222.
1002.	4.085	34.319	188.08	4.008	27.243	226.
1094.	3.794	34.372	161.70	3.713	27.316	222.
1195.	3.448	34.427	146.91	3.362	27.394	222.
1299.	3.295	34.484	130.19	3.201	27.454	222.
1396.	3.105	34.523	127.79	3.005	27.504	222.
1596.	2.698	34.569	131.88	2.586	27.578	222.
1796.	2.366	34.605	149.98	2.242	27.636	226.
1992.	2.124	34.639	156.56	1.987	27.683	222.
2255.	1.909	34.667	161.30	1.752	27.724	222.
2503.	1.804	34.676	164.02	1.627	27.741	222.
2747.	1.768	34.681	165.22	1.570	27.749	222.
2995.	1.767	34.684	165.84	1.545	27.753	222.
3248.	1.778	34.686	166.85	1.531	27.756	226.
3500.	1.793	34.688	166.55	1.519	27.759	222.
3500.	1.793	34.688	167.28	1.519	27.758	322.
3647.	1.805	34.688	166.89	1.515	27.758	222.

CAST CG2-94-DI -076 LAT 31 29.5S LONG 103 0.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	22.813	35.413	215.54	22.810	24.303	222.
24.	22.814	35.413	215.45	22.809	24.304	222.
49.	21.495	35.327*	-9.00	21.485*	24.611*	351.
99.	18.523	35.149	239.71	18.506	25.261	222.
152.	17.222	34.964	238.57	17.197	25.441	222.
202.	16.266	34.886	225.97	16.234	25.607	222.
246.	14.631	34.824	209.99	14.595	25.925	222.
298.	12.182	34.569	206.86	12.142	26.228	222.
351.	9.581	34.388	205.33	9.542	26.552	322.
401.	8.263	34.343	204.29	8.222	26.725	222.
497.	6.661	34.326	224.01	6.615	26.940	222.
602.	6.030	34.307	229.04	5.977	27.009	222.
704.	5.527	34.283	231.46	5.467	27.052	222.
802.	5.046	34.267	225.74	4.981	27.096	222.
896.	4.598	34.276	212.13	4.528	27.155	222.
1002.	4.138	34.329	177.67	4.062	27.246	222.
1102.	3.866	34.329	152.66	3.783	27.274	242.
1202.	3.656	34.445	133.45	3.566	27.388	222.
1201.	3.656	34.443	133.17	3.566	27.387	222.
1299.	3.394	34.484	128.88	3.299	27.445	222.
1402.	3.142	34.514	133.46	3.041	27.494	222.
1500.	2.906	34.539	138.45	2.800	27.535	222.
1604.	2.698	34.560	144.47	2.585	27.571	222.
1697.	2.530	34.581	148.43	2.411	27.602	222.
1801.	2.371	34.601	151.67	2.246	27.632	222.
1971.	2.157	34.634	155.99	2.021	27.677	222.
2201.	1.941	34.660	160.34	1.788	27.716	226.
2498.	1.809	34.676	163.06	1.632	27.740	222.
2749.	1.772	34.680	164.80	1.573	27.748	226.
2999.	1.767	34.684	165.77	1.544	27.754	222.
3002.	1.767	34.685	165.58	1.544	27.755	226.
3246.	1.775	34.687	166.79	1.528	27.757	222.
3564.	1.795	34.688	166.34	1.514	27.759	222.

CAST CG2-94-DI -077 LAT 31 00.1S LONG 103 00.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	23.142	35.479	214.20	23.139	24.258	222.
26.	23.146	35.486	214.63	23.141	24.263	222.
48.	20.753	35.312	-9.00	20.744	24.802	321.
75.	19.761	35.354	237.41	19.747	25.100	222.
96.	19.106	35.300	235.87	19.089	25.229	222.
128.	17.981	35.097	236.76	17.959	25.358	222.
152.	17.250	34.982	235.38	17.225	25.447	222.
202.	16.196	34.932	217.55	16.164	25.659	222.
252.	14.234	34.751	208.81	14.197	25.954	222.
300.	12.200	34.575	207.62	12.160	26.229	222.
350.	10.306	34.446	212.10	10.264	26.474	222.
401.	8.431	34.356	208.50	8.388	26.710	226.
501.	6.686	34.327	221.93	6.640	26.938	222.
600.	5.946	34.299	241.83	5.893	27.012	222.
701.	5.497	34.276	240.17	5.437	27.050	222.
802.	5.000	34.265	225.83	4.935	27.100	222.
904.	4.558	34.285	201.87	4.486	27.166	222.
999.	4.121	34.329	177.61	4.044	27.248	222.
1095.	3.834	34.383	153.46	3.752	27.321	226.
1198.	3.603	34.456	129.47	3.515	27.403	222.
1298.	3.418	34.497	123.90	3.323	27.453	222.
1399.	3.137	34.526	126.54	3.036	27.504	222.
1502.	2.892	34.544	136.18	2.785	27.541	222.
1602.	2.670	34.567	142.56	2.558	27.579	222.
1799.	2.347	34.607	151.53	2.222	27.639	222.
2003.	2.099	34.641	157.08	1.961	27.687	222.
2254.	1.898	34.663	160.32	1.742	27.722	222.
2502.	1.817	34.675	162.24	1.640	27.739	222.
2750.	1.780	34.681	164.06	1.580	27.748	222.
2999.	1.777	34.685*	164.98	1.554*	27.753*	296.
3248.	1.788	34.687*	-9.00	1.540*	27.756*	351.
3246.	1.787	34.687	165.86	1.540	27.756	222.
3478.	1.798	34.688	166.27	1.527	27.758	222.

* Calculated from CTD values

CAST CG2-94-DI -078 LAT 30 30.1S LONG 103 00.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	23.256	35.311	214.69	23.253	24.098	222.
24.	23.254	35.312	214.47	23.249	24.099	222.
51.	19.710	35.039	-9.00	19.700	24.871	221.
74.	18.565	34.972	245.67	18.552	25.114	222.
100.	18.070	35.007	243.38	18.053	25.265	222.
125.	17.678	34.984	241.31	17.657	25.345	222.
154.	16.868	34.868	240.40	16.843	25.451	222.
201.	15.957	34.908	218.76	15.926	25.694	222.
251.	13.902	34.781	207.71	13.866	26.047	222.
299.	11.647	34.545	208.58	11.608	26.310	222.
349.	9.610	34.404	207.88	9.571	26.559	222.
399.	8.090	34.335	200.86	8.049	26.745	222.
506.	6.568	34.326	216.78	6.522	26.953	226.
603.	5.945	34.300	233.54	5.893	27.014	222.
700.	5.443	34.270	241.98	5.384	27.052	222.
801.	4.953	34.263	226.18	4.888	27.104	222.
898.	4.467	34.285	201.46	4.397	27.176	222.
996.	4.043	34.334	174.61	3.967	27.260	222.
1100.	3.720	34.402	147.47	3.639	27.347	222.
1204.	3.474	34.459	131.34	3.386	27.417	222.
1299.	3.293	34.504	125.57	3.199	27.471	222.
1401.	3.078	34.530	128.72	2.978	27.512	222.
1495.	2.852	34.549	137.86	2.747	27.548	222.
1600.	2.603	34.569	146.66	2.492	27.586	222.
1798.	2.319	34.606	154.21	2.194	27.641	222.
1997.	2.090	34.637	157.22	1.952	27.684	222.
2253.	1.887	34.661	159.81	1.731	27.721	222.
2502.	1.820	34.668	160.92	1.643	27.733	222.
2748.	1.801	34.675	163.18	1.602	27.742	226.
3026.	1.796	34.680	164.75	1.570	27.749	222.
3248.	1.803	34.686	165.16	1.555	27.754	222.
3251.	1.803	34.683	165.68	1.555	27.752	222.
3404.	1.812	34.689	167.04	1.548	27.757	226.

CAST CG2-94-DI -079 LAT 30 0.0S LONG 103 0.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	23.255	33.294	215.16	23.253	22.570	242.
25.	23.251	33.295	214.98	23.246	22.572	242.
48.	20.157	33.114	242.07	20.148	23.286	242.
74.	18.885	33.050	246.76	18.872	23.565	246.
98.	17.840	34.922	245.61	17.824	25.257	322.
126.	17.186	34.883	241.91	17.165	25.386	222.
151.	16.643	34.834	237.17	16.619	25.478	222.
202.	15.019	34.781	216.58	14.989	25.806	226.
248.	13.294	34.671	206.68	13.260	26.086	222.
301.	11.330	34.506	213.27	11.293	26.338	222.
351.	9.316	34.392	211.77	9.277	26.597	222.
348.	9.359	34.393	212.19	9.320	26.592	222.
501.	6.457	34.327	238.42	6.412	26.968	222.
597.	5.897	34.297	247.56	5.845	27.017	222.
700.	5.379	34.269	242.85	5.320	27.058	222.
796.	5.004	34.275	216.97	4.939	27.107	222.
903.	4.465	34.291	198.56	4.395	27.181	222.
1005.	4.065	34.337	172.06	3.989	27.260	222.
1098.	3.699	34.393	153.24	3.617	27.342	222.
1201.	3.500	34.463	130.00	3.412	27.418	222.
1303.	3.291	34.505	127.03	3.196	27.472	222.
1403.	3.004	34.532	134.89	2.904	27.521	222.
1602.	2.581	34.574	146.46	2.470	27.592	222.
1797.	2.262	34.614	155.31	2.138	27.651	222.
2000.	2.050	34.645	157.99	1.913	27.694	222.
2202.	1.896	34.656	158.26	1.744	27.716	222.
2499.	1.830	34.666	160.56	1.653	27.731	222.
2749.	1.822	34.672	161.91	1.622	27.738	222.
2854.	1.822	34.674	162.64	1.612	27.740	222.
3247.	1.823	34.681	164.85	1.575	27.749	226.
3499.	1.836	34.684	165.15	1.561	27.752	222.
3501.	1.836	34.684	165.67	1.561	27.752	222.
3648.	1.840	34.685	166.07	1.550	27.754	222.

CAST CG2-94-DI -080 LAT 29 29.5S LONG 103 0.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	23.226	35.238	214.58	23.224	24.051	222.
25.	23.226	35.239	214.92	23.221	24.053	222.
47.	20.665	35.004	236.92	20.656	24.591	232.
73.	18.564	34.848	248.71	18.551	25.020	222.
101.	17.803	34.893	246.94	17.786	25.244	222.
126.	16.865	34.776	245.09	16.845	25.380	226.
150.	16.222	34.758	236.72	16.198	25.517	222.
198.	14.787	34.773	214.27	14.757	25.851	222.
249.	13.225	34.671	208.62	13.190	26.100	222.
304.	10.777	34.480	212.44	10.740	26.418	222.
348.	9.184	34.380	210.51	9.145	26.610	222.
399.	7.584	34.331	203.75	7.545	26.815	222.
497.	6.542	34.330	218.28	6.496	26.959	322.
597.	5.945	34.302	247.26	5.892	27.015	222.
703.	5.375	34.271	243.22	5.317	27.060	222.
799.	4.880	34.265	226.12	4.816	27.114	222.
901.	4.376	34.294	198.76	4.306	27.193	222.
997.	4.007	34.351	-9.00	3.932	27.277	221.
1098.	3.774	34.416	138.25	3.692	27.353	222.
1198.	3.588	34.473	123.91	3.499	27.418	222.
1302.	3.334	34.508	125.83	3.239	27.470	222.
1404.	3.079	34.529	132.05	2.978	27.512	222.
1505.	2.818	34.548	141.17	2.712	27.550	222.
1598.	2.592	34.570	148.42	2.481	27.588	222.
1798.	2.265	34.612	155.60	2.142	27.649	222.
1997.	2.035	34.641	157.31	1.898	27.692	222.
2247.	1.883	34.658	158.63	1.728	27.719	222.
2506.	1.837	34.664	159.46	1.660	27.729	222.
2749.	1.830	34.669	161.33	1.630	27.735	226.
2998.	1.827	34.675	163.05	1.603	27.742	222.
3249.	1.830	34.681	163.83	1.581	27.748	222.
3247.	1.830	34.680	164.48	1.581	27.747	222.
3489.	1.842	34.682	165.18	1.568	27.750	226.

CAST CG2-94-DI -081 LAT 29 00.1S LONG 103 00.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	23.409	35.402	214.67	23.407	24.122	222.
25.	23.417	35.420	214.53	23.412	24.134	222.
52.	22.824	35.509	218.73	22.814	24.375	232.
75.	19.431	35.090	243.28	19.417	24.984	222.
99.	18.731	35.129	242.17	18.713	25.194	222.
122.	17.826	35.023	240.63	17.806	25.338	222.
151.	16.963	34.889	239.03	16.938	25.445	222.
173.	16.625	34.882	231.72	16.597	25.520	222.
201.	15.880	34.892	220.63	15.849	25.700	322.
225.	14.668	34.824	209.30	14.634	25.917	222.
250.	13.568	34.690	207.09	13.532	26.046	222.
298.	11.385	34.509	208.66	11.348	26.330	222.
346.	9.472	34.402	206.97	9.433	26.580	322.
402.	7.823	34.345	208.32	7.783	26.792	222.
501.	6.677	34.336	235.34	6.631	26.946	222.
602.	6.018	34.306	239.49	5.965	27.009	222.
698.	5.459	34.274	239.05	5.400	27.053	222.
799.	4.987	34.265*	-9.00	4.922*	27.102*	491.
900.	4.490	34.303	190.81	4.419	27.188	222.
998.	4.056	34.346	167.96	3.980	27.268	222.
1101.	3.768	34.425	136.60	3.686	27.361	222.
1201.	3.576	34.475	124.17	3.488	27.420	222.
1304.	3.328	34.510	125.85	3.233	27.472	222.
1403.	3.043	34.532	134.46	2.943	27.517	222.
1503.	2.780	34.553	143.40	2.674	27.557	222.
1603.	2.548	34.574	150.95	2.437	27.595	222.
1798.	2.241	34.614	155.61	2.118	27.653	222.
1999.	2.055	34.638	156.35	1.918	27.688	222.
2251.	1.898	34.657	157.83	1.742	27.717	222.
2503.	1.845	34.665	159.29	1.667	27.729	222.
2751.	1.837	34.669	160.68	1.636	27.735	222.
2993.	1.836	34.675	162.67	1.612	27.741	222.
3250.	1.844	34.678	163.74	1.595	27.745	226.
3496.	1.860	34.681	163.90	1.585	27.748	222.
3498.	1.859	34.681	165.20	1.584	27.748	222.
3566.	1.859	34.682	164.62	1.577	27.749	222.

* Calculated from CTD values

CAST CG2-94-DI -082 LAT 28 29.7S LONG 102 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	23.567	35.592	213.77	23.565	24.220	222.
11.	23.560	35.595	-9.00	23.557	24.224	221.
10.	23.581	35.600	212.92	23.579	24.222	222.
10.	23.580	35.602	213.21	23.578	24.224	222.
24.	23.743	35.701	213.31	23.738	24.251	222.
50.	22.223	35.573	230.20	22.213	24.595	222.
76.	20.467	35.444	238.06	20.452	24.982	222.
101.	19.704	35.418	234.96	19.685	25.165	222.
127.	19.235	35.399	231.32	19.212	25.273	322.
150.	18.546	35.262	230.83	18.520	25.344	222.
202.	17.056	35.061	222.81	17.023	25.556	222.
249.	15.464	34.913	208.26	15.426	25.812	222.
296.	13.016	34.661	205.78	12.975	26.135	222.
353.	10.483	34.455	205.93	10.440	26.451	222.
399.	8.852	34.372	206.91	8.809	26.657	222.
500.	6.783	34.334	228.55	6.737	26.931	222.
596.	6.065	34.310	246.20	6.013	27.006	222.
698.	5.488	34.279*	-9.00	5.429*	27.054*	251.
804.	4.959	34.277	214.06	4.893	27.114	222.
901.	4.562	34.326	172.63	4.491	27.198	222.
1005.	4.156	34.390	143.79	4.079	27.293	222.
1100.	3.809	34.432	132.32	3.727	27.362	222.
1202.	3.614	34.479	122.96	3.525	27.419	222.
1297.	3.346	34.512	126.24	3.252	27.472	222.
1397.	3.070	34.535*	-9.00	2.970*	27.517*	391.
1506.	2.771	34.556	143.48	2.665	27.560	222.
1603.	2.567	34.575	149.67	2.456	27.594	222.
1750.	2.347	34.602	154.20	2.226	27.635	222.
1751.	2.346	34.601	153.90	2.225	27.634	226.
2249.	1.900	34.655	157.20	1.743	27.715	222.
2499.	1.858	34.662	158.63	1.680	27.726	222.
2747.	1.849	34.667	159.98	1.649	27.732	222.
2997.	1.842	34.674	162.15	1.618	27.740	226.
3249.	1.845	34.681	163.43	1.596	27.747	222.
3250.	1.844	34.679	163.74	1.595	27.745	222.
3342.	1.852	34.682	163.69	1.593	27.748	222.

CAST CG2-94-DI -083 LAT 28 01.0S LONG 103 00.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	23.719	35.788	213.25	23.717	24.324	222.
25.	23.738	35.788	213.12	23.733	24.319	226.
51.	23.259	35.794	220.13	23.248	24.466	222.
74.	20.574	35.520	236.37	20.560	25.010	226.
100.	20.060	35.526	234.35	20.042	25.154	222.
127.	19.592	35.489	231.76	19.569	25.249	222.
151.	19.252	35.448	229.74	19.225	25.307	222.
175.	18.985	35.399	226.93	18.954	25.339	222.
203.	18.011	35.221	224.09	17.976	25.448	222.
222.	17.361	35.123	217.38	17.323	25.532	222.
249.	15.829	34.865	213.18	15.790	25.692	222.
299.	14.007	34.679*	205.87	13.963*	25.948*	252.
351.	11.332	34.491	198.80	11.288	26.327	222.
398.	9.337	34.382	197.55	9.293	26.588	222.
502.	6.889	34.342	186.36	6.841	26.923	222.
603.	6.055	34.316	207.61	6.002	27.012	222.
703.	5.404	34.278	226.52	5.345	27.062	222.
802.	5.053	34.293	200.58	4.987	27.116	222.
902.	4.638	34.322	174.59	4.567	27.186	222.
996.	4.222	34.380	147.99	4.146	27.278	232.
1100.	3.831	34.432	131.91	3.749	27.360	222.
1201.	3.549	34.488	121.81	3.461	27.433	222.
1302.	3.354	34.517	123.16	3.259	27.475	222.
1402.	2.996	34.540*	-9.00	2.896*	27.527*	251.
1501.	2.745	34.559	143.86	2.640	27.565	222.
1601.	2.511	34.579	151.00	2.401	27.602	222.
1700.	2.352	34.606	153.95	2.235	27.637	232.
1799.	2.224	34.616	154.70	2.101	27.656	222.
2002.	2.039	34.639	155.55	1.901	27.690	222.
2248.	1.913	34.654	156.91	1.756	27.714	222.
2498.	1.860	34.663	158.11	1.682	27.726	222.
2751.	1.849	34.673	159.93	1.649	27.737	232.
3000.	1.847	34.674	161.35	1.622	27.740	226.
3248.	1.846	34.680	162.81	1.597	27.746	222.
3245.	1.845	34.679	163.25	1.596	27.745	222.
3382.	1.855	34.680	163.48	1.592	27.747	222.

* Calculated from CTD values

CAST CG2-94-DI -084 LAT 27 30.7S LONG 103 01.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	23.745	35.797	213.44	23.742	24.323	222.
11.	23.747	35.798	213.33	23.745	24.323	222.
24.	23.742	35.810	213.43	23.737	24.335	222.
51.	22.748	35.713	223.72	22.738	24.552	222.
75.	20.506	35.507	236.24	20.492	25.019	222.
100.	19.998	35.501	233.71	19.979	25.150	222.
125.	19.529	35.466	232.73	19.507	25.248	222.
146.	19.340	35.468	230.17	19.313	25.299	222.
174.	19.150	35.436	228.63	19.118	25.325	222.
215.	17.921	35.212	226.02	17.884	25.464	232.
250.	16.502	35.033	211.13	16.462	25.668	222.
301.	13.785	34.634	205.59	13.742	25.959	222.
350.	12.095	34.582	201.44	12.049	26.256	222.
402.	9.359	34.352	192.22	9.314	26.560	222.
449.	8.084	34.339	187.08	8.038	26.749	222.
502.	7.003	34.337	194.12	6.955	26.903	222.
549.	6.389	34.324	207.32	6.339	26.975	222.
599.	5.970	34.305	221.99	5.918	27.014	222.
701.	5.503	34.284	223.49	5.444	27.055	222.
801.	4.897	34.278	209.45	4.832	27.122	222.
900.	4.311	34.312	183.87	4.242	27.214	222.
1002.	3.904	34.384	150.17	3.829	27.313	222.
1101.	3.791	34.467	122.55	3.709	27.392	222.
1202.	3.535	34.498	124.70	3.446	27.442	222.
1301.	3.234	34.530	130.02	3.140	27.497	232.
1400.	2.960	34.541	139.11	2.860	27.532	222.
1499.	2.704	34.565	145.82	2.599	27.574	232.
1600.	2.479	34.583	151.87	2.369	27.607	222.
1802.	2.215	34.625	154.59	2.092	27.664	232.
2002.	2.016	34.640	155.20	1.879	27.693	222.
2247.	1.912	34.654	156.36	1.755	27.714	222.
2498.	1.877	34.662	157.45	1.699	27.724	222.
2750.	1.874	34.665	158.34	1.673	27.728	226.
2999.	1.865	34.673	159.98	1.641	27.737	222.
2999.	1.865	34.671	160.90	1.641	27.735	226.
3071.	1.863	34.672	160.74	1.631	27.737	222.

CAST CG2-94-DI -085 LAT 26 55.2S LONG 103 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	24.364	35.981	211.80	24.362	24.278	222.
25.	24.275	35.974	211.30	24.270	24.300	222.
52.	24.264	35.981	211.24	24.253	24.310	222.
76.	21.327	35.601	234.88	21.312	24.868	222.
101.	20.607	35.569	236.28	20.588	25.040	322.
124.	20.135	35.557	234.02	20.112	25.158	222.
152.	19.660	35.535	230.66	19.632	25.268	222.
176.	19.213	35.450	227.16	19.181	25.320	222.
202.	18.455	35.337	223.43	18.420	25.427	222.
251.	16.046	34.938	212.22	16.006	25.700	222.
300.	13.689	34.631	204.96	13.646	25.976	222.
351.	10.787	34.428	185.75	10.745	26.376	222.
401.	8.825	34.381	160.42	8.782	26.669	222.
452.	7.629	34.361	161.58	7.584	26.833	222.
502.	6.888	34.349	174.15	6.841	26.928	222.
599.	6.010	34.309*	212.87	5.957*	27.013*	252.
696.	5.290	34.273	229.63	5.233	27.072	222.
796.	4.842	34.284	206.20	4.778	27.133	222.
897.	4.458	34.337	169.34	4.388	27.218	222.
996.	4.070	34.406	140.62	3.994	27.314	222.
1097.	3.740	34.464	128.20	3.658	27.394	222.
1199.	3.518	34.495	127.62	3.430	27.442	222.
1300.	3.274	34.522	131.08	3.180	27.487	226.
1399.	2.968	34.545	138.56	2.869	27.534	322.
1496.	2.744	34.560	144.71	2.639	27.566	222.
1599.	2.526	34.582	150.52	2.416	27.602	322.
1798.	2.234	34.615	154.78	2.111	27.654	222.
2001.	2.043	34.642	155.26	1.906	27.692	222.
2196.	1.960	34.649	156.05	1.808	27.705	222.
2399.	1.885	34.662	157.41	1.716	27.723	222.
2596.	1.873	34.665	158.32	1.686	27.728	226.
2793.	1.857	34.673	159.18	1.652	27.736	222.
2795.	1.857	34.671	158.78	1.652	27.735	222.
3000.	1.870	34.673	159.49	1.645	27.737	222.
3173.	1.885	34.680	162.55	1.643	27.743	232.

* Calculated from CTD values

CAST CG2-94-DI -086 LAT 26 29.7S LONG 103 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	24.470	36.028	211.12	24.468	24.282	222.
23.	24.316	36.027	210.79	24.311	24.328	222.
49.	24.296	36.029	211.17	24.286	24.337	222.
76.	22.456	35.886	226.29	22.441	24.768	232.
100.	21.166	35.739	231.45	21.147	25.018	222.
124.	20.465	35.675	228.54	20.442	25.161	222.
149.	19.937	35.625	224.52	19.910	25.264	222.
174.	19.278	35.514	223.58	19.247	25.351	332.
200.	18.649	35.350	221.79	18.613	25.388	222.
249.	15.542	34.869	210.67	15.504	25.760	222.
297.	13.811	34.719	202.31	13.768	26.019	222.
347.	11.336	34.489	197.17	11.293	26.325	222.
399.	9.110	34.393	163.97	9.066	26.633	222.
451.	7.997	34.381	157.44	7.951	26.795	222.
501.	7.063	34.366	162.90	7.015	26.917	222.
599.	5.896	34.300	231.02	5.844	27.019	222.
699.	5.447	34.293	212.99	5.388	27.069	222.
802.	4.959	34.311	185.42	4.894	27.141	222.
897.	4.561	34.353	157.17	4.490	27.220	222.
1001.	4.112	34.405	138.54	4.036	27.309	222.
1099.	3.856	34.453	127.98	3.773	27.375	226.
1199.	3.556	34.493	126.10	3.467	27.437	222.
1298.	3.272	34.522	131.01	3.178	27.487	222.
1399.	2.946	34.545	139.71	2.847	27.536	222.
1502.	2.676	34.568	145.16	2.572	27.578	222.
1598.	2.477	34.588	148.73	2.367	27.612	222.
1799.	2.205	34.618	152.40	2.082	27.659	222.
1999.	2.039	34.637	154.64	1.902	27.688	222.
2216.	1.941	34.651	156.61	1.787	27.708	226.
2499.	1.892	34.659	156.88	1.714	27.721	222.
2750.	1.879	34.664	157.85	1.678	27.727	222.
3001.	1.881	34.664	157.62	1.656	27.729	236.
3250.	1.893	34.671	157.18	1.642	27.736	222.
3250.	1.893	34.672	157.85	1.643	27.737	222.
3489.	1.915	34.673	158.09	1.640	27.737	222.

CAST CG2-94-DI -087 LAT 25 59.4S LONG 103 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	24.339	35.984	211.13	24.337	24.287	222.
26.	24.209	35.975	211.15	24.203	24.321	222.
49.	24.201	36.068	212.95	24.190	24.395	222.
75.	21.816	35.770	232.40	21.801	24.861	222.
100.	21.030	35.728	231.66	21.010	25.047	222.
123.	20.762	35.766	228.05	20.739	25.150	222.
149.	20.164	35.665	225.19	20.136	25.235	222.
199.	19.235	35.479	223.63	19.199	25.337	222.
249.	16.905	35.107	210.89	16.864	25.630	222.
301.	14.656	34.824	203.42	14.611	25.922	222.
402.	9.729	34.430	167.89	9.683	26.561	222.
451.	8.106	34.362	175.15	8.060	26.764	222.
499.	7.090	34.344	187.27	7.043	26.897	222.
550.	6.526	34.330	200.70	6.476	26.962	222.
600.	6.089	34.314	214.87	6.036	27.006	222.
699.	5.502	34.287	219.52	5.443	27.058	222.
800.	4.946	34.296	197.14	4.881	27.131	226.
900.	4.520	34.345	162.58	4.449	27.217	222.
998.	4.130	34.394	143.80	4.053	27.299	222.
1102.	3.871	34.448	129.39	3.788	27.369	222.
1200.	3.524	34.485	129.47	3.436	27.433	222.
1301.	3.212	34.519	134.44	3.118	27.490	222.
1401.	2.921	34.542	140.26	2.823	27.536	222.
1501.	2.655	34.567	146.28	2.551	27.579	222.
1601.	2.488	34.585	149.03	2.378	27.608	222.
1699.	2.315	34.604	151.56	2.199	27.639	222.
1799.	2.196	34.621	152.29	2.074	27.662	222.
2001.	2.043	34.639	154.14	1.906	27.690	222.
2248.	1.934	34.654	156.01	1.777	27.712	222.
2499.	1.881	34.662	156.68	1.703	27.724	222.
2749.	1.858	34.668	156.46	1.657	27.732	226.
2999.	1.845	34.673	154.76	1.621	27.739	222.
3250.	1.835	34.679	152.72	1.586	27.746	222.
3248.	1.835	34.680	152.83	1.586	27.747	222.
3484.	1.838	34.681	151.53	1.565	27.750	222.

CAST CG3-94-DI -088 LAT 25 29.9S LONG 103 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.372	35.973*	211.11	24.370*	24.269*	256.
25.	24.378	35.972	210.58	24.373	24.268	222.
52.	23.873	35.951	215.39	23.862	24.404	222.
74.	22.191	35.841	230.56	22.176	24.809	232.
98.	20.838	35.692	232.65	20.820	25.072	222.
124.	20.413	35.687	226.89	20.390	25.184	222.
149.	19.797	35.553	228.39	19.770	25.246	222.
200.	18.953	35.400	219.15	18.917	25.350	222.
250.	16.620	34.679	-9.00	16.579	25.368	341.
298.	13.943	34.696*	203.28	13.900*	25.974*	252.
351.	11.109	34.501	-9.00	11.065	26.376	221.
400.	9.279	34.402	181.28	9.235	26.612	226.
500.	7.120	34.342	200.01	7.072	26.891	222.
601.	6.040	34.306	-9.00	5.987	27.006	221.
698.	5.563	34.297	209.74	5.504	27.059	222.
799.	5.016	34.304	191.68	4.950	27.129	222.
898.	4.521	34.346	163.22	4.450	27.218	222.
1001.	4.095	34.409	138.21	4.019	27.314	322.
1099.	3.727	34.462	-9.00	3.645	27.394	221.
1200.	3.443	34.499	131.55	3.356	27.452	222.
1301.	3.175	34.530	136.69	3.082	27.502	222.
1399.	2.866	34.550	141.82	2.768	27.547	222.
1499.	2.672	34.566	146.38	2.568	27.577	222.
1600.	2.463	34.587	149.31	2.354	27.612	222.
1799.	2.188	34.620	153.96	2.065	27.662	226.
1967.	2.058	34.636	154.79	1.923	27.686	222.
2201.	1.946	34.651	155.68	1.793	27.708	222.
2398.	1.897	34.659	156.46	1.728	27.720	222.
2598.	1.863	34.665	156.70	1.677	27.729	222.
2800.	1.852	34.670	156.03	1.646	27.734	222.
2998.	1.834	34.675	157.67	1.610	27.741	222.
3200.	1.829	34.678	155.57	1.585	27.745	222.
3300.	1.833	34.680	155.95	1.579	27.748	222.
3301.	1.834	34.679	155.00	1.580	27.747	222.
3373.	1.836	34.681	154.79	1.574	27.749	222.

CAST CG3-94-DI -089 LAT 24 59.3S LONG 103 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.467	36.018	-9.00	24.465	24.275	221.
24.	24.478	36.018	-9.00	24.473	24.272	221.
50.	24.325	36.006	-9.00	24.315	24.311	221.
75.	21.442	35.671	-9.00	21.428	24.889	221.
101.	20.659	35.671	-9.00	20.639	25.104	221.
125.	20.327	35.675	-9.00	20.304	25.197	221.
150.	19.830	35.589	-9.00	19.802	25.264	221.
201.	18.438	35.301	-9.00	18.403	25.403	221.
251.	16.050	34.942*	-9.00	16.010*	25.701*	391.
299.	13.891	34.746	-9.00	13.848	26.023	221.
350.	11.220	34.481	-9.00	11.176	26.340	221.
398.	9.316	34.385	-9.00	9.271	26.593	221.
502.	6.835	34.346	-9.00	6.788	26.933	221.
600.	5.862	34.304	-9.00	5.810	27.027	221.
698.	5.258	34.292	-9.00	5.200	27.091	221.
799.	4.848	34.336	-9.00	4.784	27.174	221.
901.	4.444	34.385	-9.00	4.374	27.258	221.
1001.	4.069	34.438	-9.00	3.993	27.340	221.
1101.	3.784	34.474	-9.00	3.701	27.398	221.
1202.	3.488	34.512	-9.00	3.400	27.458	221.
1298.	3.247	34.532	-9.00	3.153	27.497	221.
1400.	2.976	34.553	-9.00	2.876	27.539	221.
1500.	2.758	34.569	-9.00	2.653	27.572	221.
1600.	2.591	34.585	-9.00	2.480	27.600	221.
1800.	2.266	34.616	-9.00	2.142	27.652	221.
2001.	2.082	34.636	-9.00	1.944	27.685	221.
2248.	1.936	34.655	-9.00	1.780	27.713	221.
2500.	1.873	34.665	-9.00	1.695	27.727	221.
2746.	1.839	34.671	-9.00	1.639	27.736	221.
2999.	1.814	34.678	-9.00	1.590	27.745	221.
3252.	1.809	34.682	-9.00	1.560	27.751	221.
3498.	1.827	34.683	-9.00	1.553	27.752	221.
3750.	1.849	34.683	-9.00	1.547	27.753	221.
3751.	1.849	34.684	-9.00	1.547	27.753	221.
3860.	1.858	34.685	-9.00	1.545	27.754	221.

* Calculated from CTD values

CAST CG3-94-DI -090 LAT 24 30.0S LONG 103 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.573	36.024	210.84	24.571	24.248	222.
24.	24.553	36.023	214.12	24.548	24.254	222.
50.	24.407	36.003	212.54	24.396	24.284	222.
76.	22.043	35.707	232.54	22.028	24.749	222.
101.	21.053	35.674	230.29	21.033	24.999	322.
119.	20.374	35.581	232.70	20.352	25.113	222.
151.	19.689	35.521	221.96	19.662	25.249	222.
201.	18.607	35.355*	-9.00	18.572*	25.402*	351.
223.	17.517	35.193	214.67	17.479	25.548	222.
249.	16.258	34.970	209.25	16.218	25.675	222.
302.	13.043	34.574	197.87	13.001	26.063	322.
352.	10.696	34.449	191.88	10.653	26.409	222.
399.	9.027	34.398	173.42	8.984	26.650	222.
450.	7.675	34.381	151.05	7.630	26.842	222.
499.	6.797	34.351	176.72	6.750	26.942	222.
550.	6.277	34.325	201.76	6.227	26.990	222.
599.	5.898	34.308	207.76	5.846	27.025	226.
700.	5.366	34.304	196.02	5.307	27.087	226.
800.	4.734	34.335	166.69	4.670	27.186	226.
900.	4.357	34.392	138.45	4.287	27.273	222.
999.	3.969	34.447	126.14	3.894	27.357	222.
1097.	3.719	34.486	126.04	3.637	27.414	222.
1199.	3.428	34.516	131.12	3.341	27.467	222.
1402.	2.957	34.555	137.38	2.858	27.543	222.
1598.	2.593	34.587	138.07	2.482	27.601	222.
1800.	2.316	34.612	145.03	2.192	27.645	222.
1998.	2.099	34.633	150.49	1.962	27.681	222.
2250.	1.959	34.651	152.07	1.801	27.708	222.
2498.	1.875	34.662	155.11	1.698	27.724	222.
2748.	1.846	34.668	153.85	1.645	27.733	222.
2997.	1.819	34.674	155.21	1.595	27.742	222.
3249.	1.806	34.679	147.68	1.558	27.748	222.
3499.	1.815	34.683	150.12	1.541	27.753	222.
3498.	1.814	34.683	-9.00	1.540	27.753	221.
3621.	1.821	34.683	147.87	1.534	27.754	222.

CAST CG3-94-DI -091 LAT 23 59.9S LONG 103 0.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.508	36.059	210.46	24.506	24.293	222.
25.	24.478	36.065	210.33	24.472	24.308	222.
48.	23.834	35.981*	-9.00	23.824*	24.438*	351.
73.	21.972	35.751	231.53	21.958	24.802	222.
97.	20.756	35.632	234.29	20.738	25.048	322.
123.	20.229	35.622	231.12	20.206	25.183	222.
150.	19.881	35.598	228.68	19.853	25.258	222.
198.	19.116	35.461	221.91	19.081	25.354	222.
250.	16.082	34.917	211.17	16.043	25.675	222.
299.	12.948	34.577	193.73	12.907	26.084	222.
348.	10.436	34.459	161.51	10.394	26.462	222.
402.	8.990	34.428	129.08	8.946	26.679	222.
500.	6.803	34.351	178.22	6.757	26.941	222.
597.	5.876	34.311	206.45	5.824	27.031	226.
695.	5.260	34.309	191.54	5.202	27.104	222.
799.	4.827	34.353	153.35	4.763	27.189	222.
898.	4.374	34.407	131.22	4.305	27.283	226.
1000.	4.034	34.456	122.68	3.959	27.358	222.
1098.	3.744	34.494	126.37	3.662	27.418	222.
1200.	3.447	34.520	127.72	3.359	27.468	222.
1298.	3.194	34.543	131.89	3.101	27.511	226.
1400.	2.965	34.560	134.01	2.866	27.546	222.
1499.	2.774	34.574	134.69	2.669	27.575	222.
1797.	2.293	34.615	145.20	2.169	27.650	222.
2001.	2.077	34.639	151.26	1.940	27.687	222.
2200.	1.953	34.652	154.54	1.800	27.709	222.
2400.	1.889	34.661	156.20	1.719	27.722	222.
2599.	1.847	34.667	156.93	1.661	27.731	222.
2800.	1.824	34.672	156.01	1.619	27.738	222.
2996.	1.808	34.676	154.45	1.585	27.744	222.
3199.	1.801	34.680	151.99	1.558	27.749	222.
3400.	1.805	34.682	151.21	1.541	27.752	222.
3600.	1.817	34.684	149.99	1.532	27.754	222.
3600.	1.817	34.684	150.13	1.532	27.754	222.
3857.	1.843	34.684	149.75	1.530	27.755	222.

* Calculated from CTD values

CAST CG3-94-DI -092 LAT 23 29.8S LONG 102 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	24.557	36.044	210.18	24.555	24.268	222.
23.	24.435	36.046	-9.00	24.430	24.306	221.
50.	24.314	36.091*	213.74	24.303*	24.378*	352.
74.	22.061	35.798	229.93	22.046	24.812	222.
96.	21.038	35.730	232.66	21.020	25.046	222.
124.	20.403	35.697	229.19	20.380	25.193	222.
149.	19.930	35.638	226.63	19.902	25.276	226.
199.	18.450	35.334	220.70	18.415	25.426	222.
248.	15.305	34.790	208.12	15.267	25.752	222.
301.	12.729	34.551	191.86	12.689	26.107	222.
350.	10.834	34.469	170.10	10.791	26.400	222.
397.	9.039	34.418	147.64	8.996	26.663	226.
498.	6.722	34.357	167.49	6.676	26.956	222.
601.	5.823	34.322	187.55	5.771	27.046	222.
701.	5.198	34.326	172.62	5.141	27.125	222.
799.	4.752	34.369	-9.00	4.688	27.210	321.
900.	4.310	34.413	129.95	4.241	27.294	222.
999.	3.960	34.462	123.76	3.884	27.370	322.
1100.	3.668	34.507	128.32	3.587	27.436	222.
1199.	3.380	34.530	132.08	3.293	27.482	226.
1300.	3.166	34.547	138.84	3.073	27.517	222.
1402.	2.943	34.563	132.49	2.844	27.551	222.
1499.	2.761	34.578	131.18	2.656	27.579	222.
1601.	2.597	34.592	133.72	2.486	27.605	222.
1800.	2.285	34.616	146.18	2.161	27.651	222.
1999.	2.079	34.637	151.43	1.941	27.686	222.
2247.	1.939	34.654	155.33	1.782	27.711	222.
2499.	1.867	34.664	157.32	1.689	27.727	222.
2721.	1.832	34.671	157.05	1.634	27.736	222.
3000.	1.801	34.678	155.00	1.577	27.746	222.
3251.	1.797	34.681	-9.00	1.549	27.751	221.
3491.	1.804	34.683	150.57	1.531	27.754	222.
3747.	1.824	34.685	-9.00	1.524	27.756	221.
3749.	1.824	34.684	150.45	1.524	27.755	222.
3956.	1.847	34.687	149.60	1.523	27.757	222.

* Calculated from CTD values

CAST CG3-94-DI -093 LAT 23 00.0S LONG 102 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.646	36.288	205.08	24.643	24.426	222.
24.	24.600	36.295	205.89	24.595	24.446	222.
54.	24.275	36.300	213.75	24.264	24.549	222.
75.	21.819	35.880	229.21	21.804	24.943	232.
99.	21.510	35.962	225.55	21.491	25.093	222.
126.	20.956	35.902	222.60	20.931	25.201	222.
145.	20.631	35.814	221.07	20.604	25.223	226.
202.	19.038	35.483	214.16	19.002	25.391	222.
249.	16.726	35.089	207.07	16.685	25.658	222.
300.	13.668	34.702	192.86	13.626	26.035	222.
354.	11.045	34.502	164.92	11.001	26.388	222.
401.	9.091	34.431	130.65	9.047	26.665	222.
499.	6.868	34.370	151.46	6.821	26.947	222.
600.	5.802	34.319	187.97	5.751	27.046	222.
700.	5.241	34.329	169.05	5.183	27.122	222.
800.	4.729	34.370	132.78	4.666	27.214	226.
883.	4.386	34.406	128.06	4.317	27.280	222.
997.	3.975	34.474	113.25	3.900	27.378	222.
1099.	3.752	34.513	102.04	3.670	27.433	222.
1184.	3.537	34.529	126.03	3.450	27.466	222.
1400.	3.025	34.565	122.60	2.925	27.545	222.
1583.	2.683	34.587	131.12	2.572	27.594	222.
1803.	2.340	34.612	142.33	2.215	27.644	222.
2000.	2.112	34.636	149.41	1.974	27.682	222.
2200.	1.979	34.650	153.50	1.826	27.705	222.
2400.	1.893	34.661	156.20	1.724	27.721	226.
2601.	1.845	34.670	156.66	1.659	27.734	222.
2801.	1.819	34.673	155.10	1.614	27.740	222.
2996.	1.798	34.678	143.96	1.575	27.746	229.
3246.	1.789	34.681	146.12	1.542	27.751	229.
3479.	1.798	34.683	150.58	1.526	27.754	222.
3750.	1.820	34.685	150.22	1.519	27.756	222.
4000.	1.846	34.685	149.20	1.518	27.756	222.
4000.	1.846	34.685	150.06	1.517	27.756	222.
4053.	1.853	34.686	149.88	1.518	27.756	222.

CAST CG3-94-DI -094 LAT 22 29.9S LONG 103 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.736	36.323	208.80	24.733	24.425	222.
20.	24.671	36.318	209.00	24.667	24.441	222.
41.	24.618	36.314	208.88	24.609	24.456	222.
66.	23.660	36.219	218.83	23.646	24.671	222.
100.	22.327	36.108	-9.00	22.307	24.975	321.
134.	21.008	35.857	224.99	20.982	25.152	222.
172.	20.278	35.731	219.92	20.246	25.255	222.
194.	19.629	35.615	-9.00	19.594	25.339	321.
221.	18.525	35.391	-9.00	18.487	25.452	321.
248.	16.671	35.066	205.10	16.631	25.653	222.
302.	13.429	34.623	169.18	13.387	26.024	222.
337.	11.701	34.506	155.30	11.658	26.271	222.
401.	9.383	34.445	117.25	9.338	26.629	222.
501.	7.064	34.382	136.71	7.016	26.930	222.
600.	5.956	34.334	173.88	5.903	27.039	222.
701.	5.331	34.336	160.63	5.272	27.118	222.
806.	4.750	34.373	139.26	4.685	27.214	222.
901.	4.345	34.428	120.57	4.275	27.302	222.
999.	4.008	34.477	119.55	3.932	27.377	222.
1201.	3.550	34.536	117.83	3.462	27.471	222.
1402.	3.078	34.560	123.41	2.977	27.536	222.
1598.	2.703	34.584	130.29	2.590	27.590	222.
1802.	2.383	34.610	140.15	2.257	27.638	226.
1999.	2.157	34.630	147.91	2.019	27.674	226.
2200.	2.011	34.646	152.31	1.858	27.700	226.
2401.	1.908	34.659	155.82	1.739	27.718	222.
2603.	1.854	34.666	156.22	1.667	27.730	222.
2793.	1.822	34.672	156.32	1.618	27.738	222.
3001.	1.801	34.677	154.66	1.578	27.745	222.
3249.	1.792	34.680	152.52	1.545	27.750	222.
3500.	1.800	34.683	150.14	1.527	27.754	222.
3750.	1.821	34.685	149.58	1.521	27.756	222.
4004.	1.845	34.686	149.11	1.516	27.757	222.
4003.	1.845	34.684	149.74	1.516	27.756	222.
4066.	1.852	34.685	149.10	1.516	27.756	222.

CAST CG3-94-DI -095 LAT 21 59.6S LONG 102 59.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.808	36.337	208.92	24.805	24.413	226.
11.	24.808	36.338	208.98	24.805	24.414	222.
49.	24.531	36.326	209.94	24.521	24.491	222.
73.	22.862	36.078	225.07	22.847	24.797	222.
101.	22.410	36.116	224.14	22.390	24.957	222.
125.	21.372	35.964	224.43	21.348	25.133	222.
151.	20.907	35.888	220.30	20.878	25.205	222.
200.	19.370	35.564	212.52	19.334	25.368	222.
249.	17.303	35.177	203.58	17.261	25.588	322.
298.	13.722	34.662	176.43	13.679	25.994	222.
346.	11.180	34.483	117.40	11.137	26.349	222.
402.	9.623	34.478	90.27	9.577	26.616	222.
501.	7.311	34.404	116.98	7.262	26.913	222.
600.	5.980	34.342	165.59	5.928	27.042	222.
700.	5.241	34.338	160.55	5.183	27.129	222.
801.	4.763	34.381	134.18	4.699	27.218	222.
903.	4.359	34.429	122.13	4.289	27.302	222.
996.	4.175	34.496	104.32	4.099	27.375	222.
1101.	3.898	34.517	107.15	3.814	27.421	222.
1194.	3.677	34.532	112.54	3.588	27.456	222.
1300.	3.437	34.549	109.54	3.341	27.493	222.
1397.	3.209	34.563	111.77	3.107	27.527	222.
1498.	3.009	34.574	113.67	2.902	27.554	222.
1601.	2.787	34.586	120.29	2.674	27.584	226.
1797.	2.431	34.608	135.64	2.305	27.633	222.
1996.	2.183	34.629	147.22	2.044	27.671	222.
2253.	1.978	34.652	153.30	1.820	27.707	222.
2489.	1.882	34.664	156.01	1.705	27.726	226.
2752.	1.825	34.672	156.32	1.625	27.738	222.
3000.	1.798	34.681	153.88	1.574	27.748	222.
3240.	1.790	34.682	152.00	1.543	27.752	222.
3492.	1.796	34.685	150.22	1.523	27.756	222.
3751.	1.818	34.686	149.91	1.517	27.757	222.
3750.	1.818	34.686	151.88	1.518	27.757	222.
3980.	1.838	34.685	149.69	1.512	27.757	222.

CAST CG3-94-DI -096 LAT 21 30.0S LONG 102 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.563	36.264	210.26	24.561	24.432	222.
24.	24.492	36.241	210.62	24.487	24.437	226.
49.	24.231	36.237	210.96	24.221	24.514	222.
74.	22.761	36.053	225.12	22.746	24.807	222.
98.	22.028	35.986*	227.04	22.009*	24.966*	352.
124.	20.957	35.845	228.25	20.933	25.157	222.
150.	20.602	35.809	223.24	20.573	25.227	222.
200.	19.214	35.532	214.55	19.178	25.383	222.
250.	16.057	34.954	202.29	16.018	25.709	222.
301.	12.865	34.565	167.11	12.824	26.092	222.
350.	10.921	34.502	98.61	10.878	26.410	222.
400.	9.706	34.511	67.42	9.661	26.628	222.
500.	7.444	34.424	105.00	7.395	26.910	222.
601.	6.091	34.363	147.41	6.037	27.045	222.
701.	5.461	34.379	128.62	5.402	27.136	222.
801.	4.909	34.411	113.94	4.844	27.226	222.
901.	4.485	34.460	106.66	4.414	27.313	222.
1000.	4.226	34.495	103.10	4.148	27.369	222.
1101.	3.958	34.521	100.12	3.875	27.418	222.
1200.	3.717	34.536	100.48	3.627	27.455	222.
1300.	3.480	34.547	104.02	3.384	27.488	222.
1398.	3.234	34.560	110.79	3.132	27.521	222.
1500.	2.990	34.573	115.67	2.883	27.555	226.
1599.	2.771	34.585	122.66	2.658	27.585	222.
1801.	2.440	34.608	133.79	2.314	27.633	222.
2000.	2.180	34.630	146.82	2.040	27.672	226.
2251.	1.972	34.652	155.82	1.814	27.707	222.
2499.	1.875	34.665	155.71	1.697	27.727	222.
2748.	1.819	34.672	153.63	1.619	27.738	222.
3000.	1.794	34.678	153.90	1.571	27.747	222.
3250.	1.786	34.683	151.61	1.538	27.753	222.
3501.	1.793	34.685	152.54	1.520	27.756	222.
3750.	1.813	34.686	149.46	1.512	27.757	222.
3748.	1.812	34.685	150.02	1.512	27.757	222.
4003.	1.838	34.686	149.17	1.509	27.757	222.

CAST CG3-94-DI -097 LAT 20 59.9S LONG 103 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.382	36.257	209.96	24.380	24.481	222.
26.	24.388	36.259	209.98	24.383	24.482	222.
51.	24.093	36.211	212.51	24.082	24.536	222.
71.	23.019	36.077	223.83	23.005	24.751	222.
98.	21.589	35.909	228.97	21.570	25.031	222.
127.	20.921	35.856	225.72	20.897	25.175	222.
149.	20.593	35.818	222.50	20.564	25.236	222.
200.	19.163	35.544	214.51	19.127	25.405	222.
251.	15.865	34.935	199.52	15.825	25.738	222.
299.	12.768	34.546	155.15	12.728	26.096	222.
349.	10.813	34.505	89.42	10.770	26.432	222.
402.	9.223	34.493	72.11	9.179	26.693	222.
501.	7.111	34.404	119.08	7.063	26.941	226.
600.	5.948	34.349	159.96	5.895	27.052	226.
699.	5.273	34.362	142.87	5.215	27.144	226.
799.	4.935	34.434	102.64	4.870	27.242	222.
900.	4.459	34.470	105.65	4.388	27.323	222.
999.	4.218	34.505	101.07	4.140	27.378	222.
1101.	3.916	34.524	98.07	3.833	27.425	222.
1200.	3.621	34.540	101.65	3.532	27.468	222.
1400.	3.188	34.566	105.23	3.087	27.531	222.
1601.	2.831	34.590	113.15	2.717	27.583	222.
1799.	2.502	34.607	126.85	2.375	27.626	222.
2000.	2.216	34.627	144.18	2.076	27.667	222.
2202.	2.017	34.646	151.19	1.863	27.699	222.
2400.	1.909	34.659	154.45	1.739	27.719	222.
2604.	1.849	34.669	155.36	1.662	27.733	222.
2802.	1.809	34.673	154.64	1.604	27.740	222.
2999.	1.786	34.679	152.43	1.563	27.748	222.
3247.	1.776	34.683	151.15	1.529	27.754	222.
3500.	1.787	34.684	150.13	1.513	27.756	222.
3728.	1.804	34.685	152.29	1.507	27.757	222.
4000.	1.831	34.686	149.03	1.502	27.758	222.
4002.	1.831	34.686	150.14	1.502	27.758	222.
4124.	1.845	34.686	149.35	1.502	27.758	222.

* Calculated from CTD values

CAST CG3-94-DI -098 LAT 20 30.1S LONG 103 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	24.532	36.403	209.81	24.530	24.547	222.
23.	24.432	36.398	209.95	24.427	24.574	222.
49.	24.137	36.365	212.20	24.126	24.639	222.
75.	23.319	36.225	218.20	23.303	24.777	222.
100.	21.991	35.994	225.81	21.971	24.983	222.
126.	21.289	35.925	225.59	21.264	25.127	232.
150.	20.656	35.830	223.31	20.628	25.229	222.
201.	19.188	35.523	209.30	19.151	25.383	232.
251.	15.411	34.898	197.72	15.372	25.812	222.
298.	12.363	34.521	155.78	12.323	26.155	222.
346.	10.657	34.503	89.44	10.615	26.458	222.
403.	8.965	34.492	69.85	8.921	26.734	222.
500.	7.045	34.401	123.45	6.997	26.947	222.
600.	5.853	34.352	155.88	5.801	27.066	222.
701.	5.411	34.403	113.87	5.352	27.161	226.
800.	4.952	34.447	94.96	4.887	27.250	226.
899.	4.578	34.475	94.29	4.507	27.315	222.
1000.	4.221	34.506*	-9.00	4.143*	27.378*	351.
1099.	3.945	34.525	93.90	3.862	27.423	222.
1200.	3.693	34.538	95.73	3.603	27.459	222.
1299.	3.444	34.552	97.74	3.349	27.495	222.
1400.	3.219	34.567	100.26	3.117	27.528	222.
1595.	2.864	34.591	107.49	2.750	27.581	222.
1799.	2.558	34.611	113.23	2.431	27.625	222.
2000.	2.237	34.624	143.58	2.097	27.663	222.
2251.	2.004	34.649	151.63	1.846	27.703	222.
2499.	1.878	34.665	153.85	1.701	27.727	226.
2749.	1.816	34.675	154.31	1.616	27.740	222.
3001.	1.788	34.679	153.15	1.565	27.748	222.
3249.	1.780	34.682	150.66	1.532	27.753	222.
3501.	1.789	34.684	149.88	1.516	27.756	222.
3751.	1.809	34.686	149.44	1.508	27.757	222.
4000.	1.833	34.686	149.05	1.504	27.758	222.
4000.	1.833	34.685	149.47	1.505	27.757	222.
4092.	1.843	34.686	149.50	1.504	27.758	222.

* Calculated from CTD values

CAST CG3-94-DI -099 LAT 20 00.0S LONG 103 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.491	36.309	210.16	24.489	24.488	222.
10.	24.487	36.311	209.74	24.485	24.491	222.
24.	24.285	36.302	210.61	24.280	24.545	222.
49.	24.141	36.229	213.49	24.130	24.535	232.
76.	22.565	36.062	220.31	22.550	24.870	222.
99.	21.554	35.917	227.73	21.535	25.047	222.
125.	20.967	35.905	223.18	20.943	25.200	222.
150.	20.492	35.824	221.48	20.463	25.268	226.
199.	18.566	35.445	211.10	18.531	25.482	222.
249.	15.845	34.949	198.72	15.806	25.753	222.
301.	12.207	34.504	149.26	12.167	26.173	222.
352.	10.485	34.505	80.15	10.443	26.489	222.
399.	9.208	34.499	68.44	9.164	26.700	222.
500.	7.204	34.438	92.66	7.156	26.954	222.
600.	6.023	34.383	128.61	5.970	27.069	222.
699.	5.458	34.409	107.37	5.399	27.160	222.
799.	4.979	34.452	89.92	4.914	27.251	222.
900.	4.579	34.487	83.07	4.507	27.324	222.
1001.	4.284	34.508	87.60	4.206	27.374	222.
1099.	3.955	34.525	92.57	3.871	27.422	222.
1199.	3.664	34.542	93.03	3.575	27.465	226.
1398.	3.208	34.568	98.32	3.106	27.530	222.
1600.	2.775	34.595	107.94	2.662	27.592	222.
1800.	2.486	34.615	117.03	2.359	27.634	222.
1991.	2.206	34.626	143.58	2.068	27.667	222.
2246.	1.992	34.650	148.97	1.834	27.704	222.
2498.	1.873	34.664	153.89	1.696	27.726	226.
2743.	1.813	34.673	153.89	1.614	27.739	222.
2999.	1.780	34.679	150.56	1.557	27.749	222.
3250.	1.774	34.681	149.92	1.526	27.753	222.
3500.	1.783	34.683	149.99	1.510	27.755	222.
3748.	1.801	34.686	149.29	1.501	27.758	222.
3999.	1.825	34.686	148.89	1.497	27.759	222.
3999.	1.825	34.686	149.68	1.497	27.759	222.
4222.	1.850	34.687	149.84	1.496	27.759	222.

CAST CG3-94-DI -100 LAT 19 30.1S LONG 102 59.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.343	36.271	210.05	24.341	24.504	222.
25.	24.164	36.253	211.25	24.158	24.545	222.
49.	24.083	36.250	211.33	24.072	24.568	222.
76.	22.381	36.014	226.23	22.365	24.887	222.
100.	21.384	35.901	228.55	21.365	25.081	222.
124.	20.948	35.857	226.74	20.924	25.169	222.
149.	20.503	35.805	222.57	20.475	25.251	222.
200.	18.940	35.461	213.79	18.905	25.399	232.
247.	15.221	34.881	197.36	15.184	25.841	232.
298.	12.277	34.507	148.51	12.238	26.161	222.
298.	12.239	34.503	146.85	12.199	26.166	222.
350.	10.314	34.512	78.84	10.273	26.524	222.
501.	6.895	34.415	112.25	6.848	26.979	226.
599.	6.121	34.407	114.49	6.067	27.076	226.
699.	5.600	34.439	91.10	5.540	27.167	226.
800.	5.033	34.462	86.08	4.967	27.253	222.
899.	4.614	34.496	81.24	4.543	27.328	222.
993.	4.267	34.513*	-9.00	4.189*	27.379*	351.
1098.	3.901	34.532	85.22	3.818	27.432	222.
1198.	3.565	34.546	95.38	3.477	27.478	222.
1298.	3.316	34.560	98.99	3.222	27.513	222.
1399.	3.095	34.574	101.38	2.994	27.546	222.
1599.	2.764	34.598	107.86	2.651	27.596	222.
1799.	2.470	34.617	116.42	2.344	27.637	222.
1999.	2.216	34.635	129.87	2.076	27.673	222.
2251.	2.000	34.652	145.67	1.842	27.705	222.
2499.	1.881	34.664	153.04	1.703	27.726	222.
2751.	1.817	34.673	153.47	1.617	27.739	222.
2999.	1.786	34.679	151.55	1.563	27.748	222.
3248.	1.771	34.683	150.46	1.523	27.754	222.
3501.	1.778	34.685	149.86	1.504	27.757	222.
3749.	1.798	34.686	149.82	1.498	27.759	222.
3999.	1.822	34.687	149.34	1.494	27.760	222.
3997.	1.822	34.686	150.01	1.494	27.758	222.
4173.	1.837	34.686	149.60	1.490	27.759	222.

CAST CG3-94-DI -101 LAT 18 59.9S LONG 103 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.367	36.313*	-9.00	24.365*	24.529*	351.
24.	24.258	36.335	210.76	24.253	24.578	222.
50.	24.139	36.393	213.02	24.129	24.660	222.
75.	23.730	36.425	213.21	23.714	24.807	232.
100.	22.414	36.233	218.84	22.394	25.045	222.
124.	21.462	36.042	217.47	21.438	25.168	222.
149.	20.578	35.829	220.94	20.549	25.249	222.
200.	19.322	35.575	210.70	19.286	25.388	222.
246.	16.091	35.020	194.79	16.052	25.752	222.
299.	12.635	34.602	161.86	12.595	26.166	222.
347.	10.497	34.496	110.45	10.456	26.480	222.
348.	10.488	34.497	109.28	10.446	26.483	222.
500.	6.744	34.395	128.61	6.698	26.983	222.
599.	5.975	34.408	113.59	5.922	27.095	222.
698.	5.471	34.443	90.97	5.412	27.185	222.
800.	4.988	34.475	80.30	4.923	27.268	222.
897.	4.624	34.496	78.30	4.552	27.326	226.
998.	4.307	34.516	73.80	4.229	27.377	222.
1099.	3.996	34.533	77.36	3.912	27.424	222.
1201.	3.661	34.545	87.44	3.572	27.467	222.
1300.	3.375	34.558	95.14	3.280	27.506	222.
1400.	3.138	34.559	99.67	3.037	27.530	242.
1600.	2.786	34.596	104.11	2.673	27.592	222.
1800.	2.475	34.617	115.82	2.348	27.637	222.
2001.	2.231	34.635	128.00	2.091	27.672	226.
2248.	2.008	34.652	141.62	1.850	27.704	222.
2498.	1.881	34.665	150.26	1.703	27.726	222.
2742.	1.818	34.674	151.34	1.619	27.740	222.
2999.	1.786	34.678	149.58	1.563	27.747	222.
3244.	1.773	34.682	148.64	1.526	27.753	222.
3500.	1.774	34.684	149.58	1.501	27.757	226.
3747.	1.789	34.686	149.30	1.490	27.759	222.
3999.	1.813	34.686	148.75	1.486	27.759	222.
4000.	1.813	34.687	149.31	1.485	27.760	222.
4142.	1.830	34.686	148.42	1.486	27.759	222.

* Calculated from CTD values

CAST CG3-94-DI -102 LAT 18 30.0S LONG 103 0.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	24.496	36.421	209.50	24.494	24.571	226.
25.	24.311	36.387	210.16	24.306	24.602	222.
44.	24.143	36.376	212.07	24.134	24.646	222.
73.	23.806	36.397	213.59	23.791	24.764	222.
99.	22.620	36.257	220.48	22.600	25.004	222.
124.	21.521	36.062	219.23	21.497	25.168	222.
148.	20.815	35.870	219.46	20.787	25.216	222.
202.	19.889	35.681	215.15	19.851	25.322	222.
250.	15.929	34.980	193.82	15.889	25.759	322.
298.	12.300	34.589	148.63	12.260	26.220	222.
350.	10.256	34.498	102.48	10.215	26.523	222.
400.	8.596	34.484	73.04	8.553	26.785	222.
499.	7.009	34.451	91.19	6.962	26.991	222.
598.	6.059	34.435	95.14	6.006	27.106	222.
698.	5.541	34.458	80.36	5.481	27.189	222.
800.	5.070	34.482	74.01	5.004	27.264	222.
901.	4.628	34.504	71.29	4.556	27.332	222.
999.	4.267	34.520	73.66	4.189	27.385	222.
1098.	3.927	34.534	87.21	3.844	27.431	222.
1199.	3.625	34.547	87.80	3.536	27.472	222.
1293.	3.387	34.561	90.50	3.292	27.507	222.
1399.	3.129	34.575	94.12	3.028	27.543	222.
1600.	2.771	34.599	101.53	2.657	27.596	222.
1801.	2.461	34.619	115.10	2.335	27.639	222.
1985.	2.218	34.635	128.72	2.079	27.673	226.
2249.	1.976	34.653	143.53	1.819	27.708	222.
2501.	1.865	34.668	151.10	1.687	27.730	226.
2749.	1.805	34.674	150.12	1.605	27.741	222.
2982.	1.781	34.679	148.26	1.560	27.748	222.
3249.	1.775	34.681	147.45	1.528	27.752	222.
3498.	1.777	34.685	149.25	1.504	27.757	222.
3747.	1.790	34.686	149.75	1.491	27.759	222.
4000.	1.814	34.686	148.67	1.486	27.759	222.
3999.	1.814	34.686	150.78	1.486	27.760	222.
4104.	1.825	34.685	149.44	1.485	27.759	222.

CAST CG3-94-DI -103 LAT 17 59.9S LONG 103 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	24.347	36.365	209.81	24.345	24.574	222.
9.	24.354	36.366	200.03	24.352	24.572	222.
24.	24.210	36.350	210.72	24.205	24.604	222.
48.	24.119	36.346	210.72	24.108	24.630	222.
73.	22.942	36.226*	220.24	22.927*	24.886*	252.
97.	22.374	36.232	220.21	22.354	25.056	226.
125.	21.743	36.091	218.65	21.718	25.128	222.
149.	20.813	35.899	219.81	20.784	25.238	222.
201.	19.069	35.572	205.90	19.033	25.451	322.
249.	15.793	35.002	189.90	15.754	25.806	222.
300.	12.165	34.546	142.00	12.126	26.213	222.
338.	10.431	34.539	80.12	10.391	26.525	322.
398.	8.637	34.482	74.31	8.595	26.777	222.
498.	7.038	34.454	86.67	6.991	26.990	222.
600.	6.138	34.440	89.90	6.085	27.100	222.
701.	5.512	34.459	77.86	5.452	27.193	226.
800.	5.073	34.484	69.33	5.007	27.265	222.
900.	4.653	34.507	65.42	4.581	27.331	222.
1000.	4.241	34.521	73.68	4.164	27.388	222.
1099.	3.918	34.533	85.67	3.834	27.432	222.
1201.	3.601	34.548	90.76	3.512	27.476	222.
1402.	3.080	34.579	95.28	2.980	27.551	222.
1601.	2.730	34.603	102.34	2.617	27.602	222.
1801.	2.448	34.621	112.10	2.322	27.642	222.
1999.	2.207	34.638	125.07	2.068	27.676	222.
2251.	1.987	34.652	144.04	1.829	27.706	222.
2501.	1.874	34.665	149.23	1.696	27.727	226.
2749.	1.812	34.674	149.89	1.612	27.740	222.
3000.	1.786	34.678	148.98	1.563	27.747	222.
3251.	1.772	34.682	148.52	1.524	27.753	222.
3499.	1.780	34.684	149.12	1.507	27.756	222.
3755.	1.791	34.685	149.80	1.490	27.758	222.
4001.	1.815	34.687	148.94	1.487	27.760	222.
4001.	1.815	34.686	149.30	1.487	27.759	222.
4231.	1.842	34.687	149.35	1.487	27.760	222.

* Calculated from CTD values

CAST CG3-94-DI -104 LAT 17 29.9S LONG 103 00.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
12.	24.458	36.386	210.25	24.456	24.556	222.
25.	24.323	36.381	211.67	24.318	24.594	222.
51.	24.141	36.353	213.23	24.131	24.629	222.
74.	23.541	36.282	217.25	23.525	24.755	222.
102.	22.409	36.234	-9.00	22.389	25.047	321.
123.	21.940	36.129	217.99	21.915	25.101	222.
150.	20.819	35.895	212.49	20.790	25.234	222.
198.	18.720	35.537	-9.00	18.684	25.513	231.
249.	14.998	34.886	-9.00	14.960	25.894	221.
300.	11.901	34.586	167.09	11.862	26.294	222.
350.	9.493	34.480	103.28	9.453	26.638	322.
404.	8.235	34.485	72.19	8.193	26.840	222.
507.	6.901	34.456	88.50	6.854	27.010	222.
601.	6.021	34.451	83.60	5.968	27.123	222.
700.	5.454	34.469	74.76	5.395	27.208	222.
802.	4.989	34.489	71.01	4.923	27.279	222.
902.	4.523	34.505	78.41	4.451	27.345	226.
999.	4.125	34.526	83.34	4.049	27.404	226.
1099.	3.839	34.536	86.09	3.756	27.442	226.
1200.	3.548	34.551	89.10	3.459	27.484	222.
1299.	3.311	34.565	92.77	3.217	27.518	222.
1400.	3.092	34.577	97.89	2.991	27.548	222.
1602.	2.709	34.604	106.09	2.596	27.605	222.
1800.	2.428	34.622	116.45	2.302	27.644	222.
1999.	2.182	34.638	132.21	2.042	27.679	222.
2248.	1.949	34.655	150.38	1.792	27.711	222.
2501.	1.850	34.666	156.02	1.673	27.730	222.
2749.	1.808	34.673	155.28	1.609	27.740	222.
3000.	1.787	34.678	151.14	1.564	27.747	222.
3251.	1.788	34.682	150.88	1.540	27.752	222.
3499.	1.795	34.682	152.04	1.521	27.754	222.
3749.	1.810	34.683	152.43	1.510	27.755	222.
3990.	1.820	34.686	152.36	1.493	27.759	222.
3999.	1.820	34.686	154.05	1.492	27.759	222.
4091.	1.828	34.687	-9.00	1.490	27.760	221.

CAST CG3-94-DI -105 LAT 16 59.9S LONG 102 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.476	36.283	210.16	24.474	24.472	222.
24.	24.232	36.277	210.15	24.227	24.542	226.
51.	24.134	36.303	210.40	24.123	24.593	222.
74.	23.642	36.275	214.70	23.627	24.719	222.
100.	22.430	36.178	218.23	22.410	24.998	222.
122.	22.011	36.157	216.94	21.987	25.102	222.
148.	21.160	35.981	214.25	21.132	25.206	222.
199.	18.498	35.460	206.61	18.463	25.510	232.
247.	14.858	34.857	181.28	14.821	25.901	222.
294.	11.976	34.577*	133.15	11.938*	26.273*	252.
349.	10.038	34.536	69.40	9.997	26.591	222.
400.	8.752	34.512	58.37	8.709	26.782	222.
499.	7.087	34.472	79.85	7.040	26.997	222.
598.	6.171	34.464	78.05	6.117	27.114	222.
699.	5.549	34.476	69.57	5.489	27.202	222.
798.	5.040	34.488	71.68	4.974	27.272	222.
900.	4.627	34.503	72.78	4.555	27.331	222.
1001.	4.216	34.521	79.90	4.139	27.390	222.
1101.	3.900	34.535	81.68	3.817	27.436	222.
1201.	3.602	34.551	85.12	3.512	27.478	222.
1298.	3.357	34.565	87.93	3.262	27.514	222.
1392.	3.111	34.581	92.23	3.011	27.550	222.
1499.	2.879	34.594	97.06	2.772	27.582	222.
1598.	2.721	34.604	101.85	2.609	27.604	222.
1798.	2.425	34.624	113.83	2.300	27.647	222.
1998.	2.154	34.642	130.56	2.015	27.684	222.
2248.	1.931	34.659	146.42	1.775	27.716	226.
2499.	1.837	34.669	149.76	1.660	27.733	222.
2750.	1.799	34.676	147.11	1.600	27.743	222.
3000.	1.793	34.679	-9.00	1.570	27.748	221.
3248.	1.798	34.679	143.82	1.550	27.749	222.
3498.	1.807	34.682	-9.00	1.534	27.753	221.
3750.	1.822	34.685	147.69	1.521	27.756	226.
3750.	1.821	34.684	-9.00	1.521	27.755	221.
3973.	1.838	34.685	148.17	1.513	27.756	222.

* Calculated from CTD values

CAST CG3-94-DI -106 LAT 16 29.9S LONG 103 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	24.582	36.260	208.52	24.580	24.424	222.
10.	24.592	36.262	211.87	24.590	24.422	222.
9.	24.577	36.278	207.27	24.575	24.438	222.
10.	24.596	36.259	208.62	24.594	24.418	222.
25.	24.212	36.276	210.36	24.207	24.548	322.
48.	23.972	36.291	211.78	23.962	24.632	222.
75.	23.369	36.259	216.63	23.354	24.787	222.
101.	22.263	36.186	219.62	22.243	25.052	222.
149.	20.966	35.969	203.72	20.938	25.250	222.
200.	17.872	35.261	203.93	17.838	25.513	232.
250.	13.917	34.758	165.92	13.881	26.026	222.
300.	10.691	34.537	100.70	10.655	26.477	222.
350.	9.335	34.541	50.35	9.296	26.712	226.
399.	8.462	34.537	45.66	8.420	26.847	222.
499.	6.900	34.486	74.54	6.853	27.034	222.
600.	6.043	34.482	70.83	5.990	27.145	222.
698.	5.460	34.495	64.17	5.401	27.228	222.
801.	4.943	34.504	63.79	4.877	27.296	222.
899.	4.524	34.517	64.39	4.453	27.354	226.
1000.	4.187	34.533	66.58	4.110	27.403	222.
1098.	3.877	34.544	72.99	3.794	27.445	226.
1200.	3.600	34.556	78.61	3.511	27.482	222.
1298.	3.342	34.569	84.76	3.247	27.518	222.
1385.	3.122	34.582	90.77	3.022	27.549	222.
1500.	2.886	34.595	97.02	2.780	27.582	222.
1598.	2.712	34.605	102.50	2.599	27.605	222.
1801.	2.395	34.625	116.93	2.269	27.650	222.
1997.	2.110	34.643	133.22	1.972	27.688	222.
2199.	1.945	34.657	144.22	1.792	27.713	222.
2396.	1.863	34.666	146.65	1.695	27.728	222.
2588.	1.823	34.675	146.25	1.638	27.740	232.
2798.	1.802	34.679	145.47	1.597	27.745	222.
2998.	1.805	34.677	143.56	1.582	27.745	222.
2996.	1.804	34.678	144.93	1.581	27.746	222.
3153.	1.801	34.678*	142.55	1.562*	27.747*	252.

* Calculated from CTD values

CAST CG3-94-DI -107 LAT 16 00.0S LONG 103 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.349	36.331	209.10	24.347	24.547	222.
10.	24.344	36.330	209.15	24.342	24.548	222.
25.	24.202	36.301	209.84	24.196	24.570	222.
50.	24.076	36.288	210.41	24.066	24.599	222.
75.	23.372	36.255	216.00	23.357	24.783	222.
104.	22.063	36.165	212.09	22.042	25.093	222.
125.	21.621	36.106	-9.00	21.597	25.173	221.
149.	20.907	35.948	203.57	20.878	25.250	226.
200.	18.295	35.948	185.32	18.260	25.935	242.
249.	14.405	35.374	86.37	14.368	26.399	242.
300.	11.048	34.829	42.69	11.011	26.641	242.
351.	9.519	34.569	41.88	9.479	26.703	222.
402.	8.346	34.560	45.97	8.304	26.882	222.
499.	7.040	34.541	75.38	6.992	27.059	242.
607.	6.230	34.493	65.34	6.176	27.129	242.
700.	5.712	34.504	51.77	5.651	27.204	222.
801.	5.122	34.501	53.10	5.055	27.274	222.
900.	4.668	34.505	58.62	4.596	27.329	246.
1000.	4.136	34.517	68.83	4.059	27.396	242.
1100.	3.839	34.531	76.32	3.756	27.438	242.
1203.	3.523	34.545	81.10	3.435	27.481	242.
1303.	3.314	34.560	86.43	3.219	27.513	232.
1403.	3.102	34.583	89.70	3.001	27.552	222.
1498.	2.913	34.594	95.39	2.806	27.578	222.
1598.	2.691	34.608	102.06	2.578	27.610	222.
1800.	2.414	34.625	114.26	2.289	27.648	222.
2000.	2.126	34.642	131.84	1.988	27.686	222.
2250.	1.933	34.659	144.56	1.776	27.716	222.
2500.	1.833	34.670	145.67	1.656	27.734	226.
2750.	1.802	34.675	143.22	1.602	27.742	222.
2999.	1.799	34.677	143.00	1.576	27.746	222.
3248.	1.804	34.677	140.61	1.556	27.747	222.
3498.	1.805	34.678	137.26	1.531	27.750	222.
3499.	1.805	34.678	138.00	1.531	27.749	222.
3790.	1.824	34.677	136.68	1.519	27.750	222.

CAST CG3-94-DI -108 LAT 15 30.1S LONG 103 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	24.458	36.405	208.34	24.456	24.571	222.
25.	24.310	36.377	209.04	24.305	24.595	222.
49.	24.155	36.375	209.62	24.144	24.641	222.
75.	22.780	36.241	219.89	22.765	24.945	226.
99.	22.282	36.181	219.51	22.262	25.043	222.
125.	21.541	36.052	215.97	21.517	25.154	222.
150.	20.199	35.743	-9.00	20.171	25.285	231.
201.	16.948	35.146	197.57	16.915	25.647	222.
252.	13.420	34.723	152.19	13.385	26.101	222.
303.	11.018	34.627	45.77	10.980	26.489	222.
352.	9.474	34.570	41.01	9.435	26.711	222.
399.	8.594	34.568	37.67	8.552	26.851	222.
496.	7.392	34.540	46.95	7.344	27.009	222.
601.	6.451	34.506	58.74	6.396	27.112	226.
701.	5.777	34.503	46.86	5.716	27.196	222.
802.	5.259	34.505	47.47	5.192	27.261	222.
900.	4.748	34.514	54.54	4.676	27.327	222.
999.	4.344	34.528	62.81	4.266	27.383	222.
1099.	3.930	34.541	72.62	3.846	27.437	226.
1196.	3.649	34.552	78.24	3.560	27.475	222.
1301.	3.307	34.570	84.61	3.212	27.522	222.
1400.	3.045	34.584	91.45	2.945	27.558	222.
1599.	2.685	34.607	101.83	2.573	27.610	222.
1802.	2.365	34.627	116.53	2.240	27.654	222.
2004.	2.107	34.644	131.50	1.969	27.689	222.
2202.	1.916	34.660	143.86	1.763	27.717	222.
2398.	1.844	34.667	145.26	1.676	27.730	222.
2600.	1.809	34.671	145.35	1.623	27.737	222.
2800.	1.799	34.674	143.24	1.595	27.742	222.
3000.	1.799	34.675	142.63	1.576	27.743	222.
3201.	1.806	34.675	141.48	1.562	27.745	222.
3398.	1.806	34.675	138.95	1.543	27.746	222.
3595.	1.811	34.676	137.05	1.527	27.749	222.
3597.	1.811	34.675	138.13	1.527	27.747	222.
3775.	1.819	34.675	135.91	1.515	27.748	222.

CAST CG3-94-DI -109 LAT 15 00.0S LONG 102 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.857	36.406	207.95	24.855	24.450	222.
25.	24.546	36.405	209.40	24.540	24.545	222.
50.	24.267	36.365	211.46	24.256	24.600	222.
73.	23.056	36.282	219.64	23.041	24.896	222.
99.	22.321	36.227	216.62	22.301	25.067	222.
124.	21.505	36.056	215.14	21.481	25.167	222.
147.	20.826	35.909	215.54	20.798	25.242	222.
200.	17.434	35.285	180.00	17.401	25.638	222.
248.	13.327	34.756	81.29	13.292	26.145	222.
298.	11.378	34.701	15.16	11.340	26.481	226.
349.	10.094	34.663	9.07	10.053	26.680	222.
400.	9.184	34.625	12.77	9.139	26.803	226.
500.	7.544	34.553	30.86	7.495	26.997	222.
599.	6.638	34.519	40.90	6.582	27.097	222.
698.	5.842	34.501	47.29	5.781	27.186	222.
800.	5.214	34.505	47.28	5.148	27.266	222.
899.	4.635	34.513	59.28	4.564	27.339	222.
998.	4.252	34.527	67.14	4.174	27.392	222.
1099.	3.878	34.541	74.36	3.795	27.442	222.
1201.	3.561	34.557	79.69	3.472	27.487	222.
1298.	3.287	34.572	85.29	3.192	27.526	222.
1400.	3.041	34.584	93.43	2.941	27.559	222.
1597.	2.660	34.608	104.53	2.548	27.613	222.
1799.	2.334	34.630	117.81	2.209	27.658	222.
1998.	2.085	34.646	132.06	1.948	27.692	226.
2246.	1.892	34.663	144.19	1.736	27.722	222.
2500.	1.816	34.671	144.18	1.639	27.736	222.
2747.	1.789	34.676	141.78	1.590	27.743	222.
3000.	1.784	34.675	140.24	1.561	27.745	226.
3250.	1.787	34.676	138.00	1.539	27.748	222.
3499.	1.794	34.675	136.71	1.521	27.748	222.
3747.	1.807	34.675	135.83	1.507	27.749	222.
4000.	1.827	34.676	135.29	1.499	27.751	222.
4000.	1.827	34.675	136.02	1.499	27.750	222.
4257.	1.854	34.676	135.76	1.496	27.750	222.

CAST CG3-94-DI -110 LAT 14 30.2S LONG 102 59.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	25.427	36.073	206.94	25.424	24.024	222.
10.	25.427	36.076	207.43	25.425	24.026	222.
24.	24.883	36.285	208.28	24.878	24.352	222.
49.	23.883	36.233	214.66	23.873	24.615	226.
74.	22.348	36.185	221.64	22.333	25.026	222.
99.	21.748	36.131	217.56	21.729	25.155	222.
122.	21.183	36.009	212.16	21.160	25.220	222.
149.	19.914	35.731	199.26	19.886	25.351	222.
199.	16.965	35.199	173.17	16.932	25.684	222.
248.	13.168	34.750	76.73	13.134	26.173	222.
299.	11.143	34.686	18.37	11.106	26.512	322.
350.	9.995	34.658	12.16	9.955	26.693	222.
400.	8.954	34.619	19.83	8.910	26.834	222.
500.	7.744	34.571	30.37	7.694	26.982	222.
600.	6.729	34.534	40.11	6.673	27.097	222.
700.	5.907	34.512	40.77	5.846	27.187	222.
800.	5.245	34.510	45.10	5.178	27.267	222.
900.	4.711	34.521	52.59	4.638	27.337	222.
1000.	4.290	34.533	63.99	4.212	27.392	222.
1096.	3.893	34.546	71.23	3.810	27.445	222.
1199.	3.590	34.559	79.75	3.501	27.486	226.
1297.	3.306	34.572	86.80	3.212	27.524	222.
1399.	3.098	34.583	93.22	2.998	27.552	222.
1600.	2.714	34.604	104.02	2.601	27.605	222.
1802.	2.431	34.625	113.71	2.305	27.646	222.
1996.	2.157	34.642	125.43	2.019	27.683	222.
2247.	1.933	34.659	139.47	1.776	27.716	226.
2498.	1.827	34.671	144.57	1.650	27.735	222.
2747.	1.787	34.674	142.31	1.588	27.742	222.
3000.	1.779	34.675	140.50	1.556	27.746	222.
3250.	1.777	34.675	137.98	1.529	27.748	222.
3501.	1.782	34.675	136.38	1.509	27.749	222.
3746.	1.799	34.676	135.86	1.500	27.750	222.
3744.	1.799	34.675	136.42	1.500	27.749	222.
4036.	1.824	34.675	136.47	1.492	27.750	222.

CAST CG3-94-DI -112 LAT 13 29.9S LONG 103 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	25.551	36.062	206.99	25.549	23.977	222.
9.	25.553	36.063	207.33	25.551	23.977	222.
25.	25.501	36.064	207.25	25.495	23.995	222.
50.	25.114	36.149	209.84	25.103	24.180	226.
73.	23.424	36.082	217.79	23.409	24.637	222.
100.	22.411	36.145	212.20	22.391	24.979	222.
150.	19.585	35.670	186.54	19.558	25.390	222.
200.	15.860	35.071	123.10	15.829	25.843	222.
250.	12.633	34.761	37.51	12.599	26.288	222.
300.	10.926	34.710	13.33	10.889	26.570	222.
350.	9.695	34.680	29.76	9.655	26.761	222.
399.	8.967	34.653	40.74	8.924	26.859	222.
501.	7.774	34.601	51.71	7.724	27.001	222.
601.	7.006	34.561	57.23	6.948	27.080	222.
701.	6.267	34.529	50.13	6.203	27.155	222.
800.	5.564	34.516	47.42	5.495	27.233	222.
899.	4.986	34.517	51.98	4.912	27.303	222.
998.	4.500	34.528*	61.23	4.420*	27.367*	252.
1198.	3.765	34.552	76.80	3.675	27.463	222.
1399.	3.165	34.582	92.79	3.064	27.546	222.
1601.	2.791	34.602	102.72	2.677	27.596	222.
1801.	2.455	34.640	114.98	2.329	27.656	242.
1999.	2.215	34.655	122.11	2.075	27.690	242.
2201.	1.995	34.656*	133.57	1.842*	27.708*	252.
2400.	1.874	34.665	140.39	1.705	27.726	226.
2601.	1.809	34.671	141.78	1.624	27.737	222.
2797.	1.784	34.674	141.10	1.580	27.743	222.
3000.	1.776	34.675	138.56	1.553	27.745	222.
3198.	1.774	34.675	137.34	1.532	27.747	222.
3405.	1.778	34.675	135.32	1.514	27.749	222.
3601.	1.787	34.675	136.09	1.503	27.750	222.
3799.	1.798	34.675	135.63	1.492	27.750	222.
3995.	1.813	34.677	136.17	1.486	27.752	222.
3998.	1.813	34.675	136.61	1.486	27.751	222.
4181.	1.832	34.675	136.78	1.484	27.751	226.

* Calculated from CTD values

CAST CG3-94-DI -113 LAT 13 00.6S LONG 103 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	25.596	35.991	-9.00	25.594	23.910	221.
10.	25.597	35.992	207.02	25.595	23.910	222.
25.	25.601	35.997	208.63	25.595	23.914	222.
50.	24.104	36.187	213.31	24.094	24.514	226.
78.	22.697	36.285	214.76	22.681	25.002	322.
98.	22.150	36.182	209.46	22.131	25.081	222.
124.	21.002	35.964	200.18	20.978	25.235	222.
149.	19.333	35.633	185.00	19.306	25.428	322.
199.	15.473	35.043	110.78	15.442	25.908	322.
237.	12.834	34.781	30.10	12.802	26.264	222.
300.	10.605	35.043	15.81	10.569	26.887	242.
351.	9.531	34.675	24.68	9.492	26.784	222.
496.	7.854	34.599	53.60	7.803	26.988	222.
602.	6.991	34.557	59.21	6.933	27.080	222.
703.	6.184	34.525	53.42	6.120	27.162	222.
795.	5.540	34.514	52.41	5.472	27.234	222.
895.	4.929	34.515	52.82	4.855	27.308	226.
1000.	4.408	34.528*	61.63	4.329*	27.376*	252.
1101.	4.056	34.540	73.01	3.971	27.423	222.
1199.	3.709	34.554	78.30	3.619	27.470	222.
1300.	3.404	34.570*	86.01	3.309*	27.513*	252.
1400.	3.146	34.581	93.80	3.045	27.547	222.
1600.	2.766	34.603	104.15	2.653	27.599	222.
1801.	2.447	34.623	114.83	2.321	27.643	226.
1999.	2.233	34.636	124.10	2.093	27.673	222.
2251.	1.991	34.656	132.86	1.834	27.709	222.
2499.	1.851	34.667	141.38	1.673	27.730	222.
2748.	1.792	34.673	140.40	1.593	27.741	222.
2998.	1.775	34.675	138.27	1.552	27.745	222.
3249.	1.764	34.673	134.76	1.517	27.747	222.
3499.	1.771	34.674	135.94	1.498	27.749	222.
3746.	1.786	34.674	135.71	1.487	27.750	222.
3748.	1.786	34.675	135.76	1.487	27.750	222.
4000.	1.809	34.675	136.81	1.481	27.750	222.
4345.	1.846	34.675	136.81	1.478	27.751	222.

CAST CG3-94-DI -114 LAT 12 30.1S LONG 103 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	26.190	35.729	206.41	26.188	23.527	222.
26.	26.178	35.729	206.45	26.172	23.532	222.
50.	24.239	36.053	214.04	24.228	24.372	232.
73.	22.150	36.159	221.34	22.135	25.062	222.
100.	21.031	35.979	204.81	21.012	25.238	222.
125.	19.386	35.652	192.90	19.364	25.427	222.
151.	18.382	35.446	184.01	18.356	25.526	222.
199.	13.236	34.839	16.82	13.208	26.227	222.
248.	11.615	34.764	5.64	11.583	26.485	222.
298.	10.676	34.748	10.57	10.640	26.644	222.
349.	9.830	34.717	20.60	9.789	26.767	322.
397.	9.256	34.689	26.16	9.212	26.841	222.
499.	8.161	34.623	30.74	8.109	26.961	222.
600.	7.159	34.571	35.44	7.101	27.067	222.
701.	6.259	34.534	42.27	6.195	27.159	226.
802.	5.589	34.518	45.08	5.520	27.231	222.
900.	5.012	34.519	49.06	4.938	27.301	222.
1003.	4.471	34.529*	60.49	4.392*	27.370*	252.
1099.	4.066	34.542	73.58	3.981	27.424	222.
1203.	3.717	34.555	80.38	3.626	27.470	222.
1300.	3.441	34.567	85.71	3.346	27.507	222.
1399.	3.200	34.582	90.86	3.099	27.542	222.
1601.	2.805	34.602	103.06	2.691	27.595	222.
1802.	2.520	34.618	110.92	2.393	27.634	222.
2002.	2.270	34.635	120.37	2.129	27.669	222.
2251.	2.019	34.653	128.35	1.861	27.704	222.
2502.	1.857	34.666	137.73	1.679	27.729	222.
2749.	1.796	34.671	138.43	1.597	27.739	222.
3002.	1.774	34.674	138.81	1.551	27.745	226.
3250.	1.771	34.673	137.08	1.524	27.746	222.
3499.	1.776	34.674	136.47	1.503	27.749	222.
3752.	1.787	34.675	136.50	1.487	27.750	222.
3999.	1.808	34.675	136.71	1.480	27.751	222.
4000.	1.808	34.675	137.64	1.480	27.751	222.
4222.	1.833	34.678	137.04	1.480	27.753	226.

* Calculated from CTD values

CAST CG3-94-DI -115 LAT 12 00.1S LONG 103 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	26.179	35.667	209.85	26.177	23.483	222.
9.	26.181	35.667	213.12	26.179	23.482	222.
26.	26.181	35.666	217.81	26.176	23.483	222.
50.	23.685	35.748	217.66	23.675	24.305	222.
74.	21.877	35.772	207.15	21.863	24.845	222.
101.	19.852	35.631	185.30	19.834	25.288	222.
127.	18.762	35.494	174.09	18.739	25.467	222.
150.	16.316	35.142	132.66	16.291	25.790	226.
199.	12.800	34.793	18.39	12.773	26.279	222.
251.	11.481	34.782	4.39	11.449	26.524	222.
298.	10.483	34.747	11.99	10.447	26.678	222.
352.	9.772	34.718	15.65	9.731	26.778	222.
398.	9.254	34.690	18.05	9.210	26.842	222.
498.	8.075	34.621	21.51	8.023	26.973	222.
601.	7.005	34.565	31.01	6.948	27.084	222.
700.	6.209	34.539	38.01	6.145	27.170	232.
800.	5.541	34.528	39.13	5.472	27.245	222.
900.	5.016	34.530	49.74	4.942	27.310	226.
1002.	4.540	34.536	63.79	4.460	27.368	222.
1201.	3.808	34.553	82.12	3.717	27.460	222.
1400.	3.243	34.578	91.25	3.141	27.536	222.
1601.	2.810	34.603	100.75	2.696	27.596	222.
1799.	2.507	34.620	111.00	2.380	27.637	222.
1998.	2.262	34.637	117.05	2.121	27.671	222.
2252.	1.997	34.655	129.90	1.839	27.708	222.
2497.	1.850	34.666	137.89	1.673	27.730	222.
2750.	1.790	34.671	137.63	1.590	27.739	222.
3000.	1.766	34.674	137.80	1.544	27.746	222.
3245.	1.766	34.675	136.45	1.519	27.748	226.
3502.	1.769	34.674	136.16	1.496	27.749	222.
3749.	1.784	34.673	137.20	1.485	27.749	222.
4002.	1.808	34.675	137.09	1.481	27.751	222.
4250.	1.837	34.676	136.52	1.480	27.751	222.
4250.	1.836	34.675	137.12	1.480	27.751	222.
4433.	1.858	34.675	137.00	1.480	27.751	222.

CAST CG3-94-DI -116 LAT 11 30.3S LONG 103 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	26.679	35.528	207.06	26.677	23.221	226.
24.	26.521	35.519	206.59	26.515	23.265	222.
49.	26.045	35.729	207.98	26.034	23.575	222.
75.	22.295	35.835	210.09	22.280	24.775	222.
99.	20.005	35.737	188.51	19.987	25.329	232.
124.	18.135	35.401	165.99	18.114	25.552	222.
148.	15.217	35.000	124.04	15.194	25.930	226.
174.	13.194	34.833	18.88	13.170	26.230	222.
202.	12.148	34.809	6.49	12.122	26.418	322.
226.	11.540	34.802	9.56	11.512	26.528	222.
250.	11.089	34.790	17.46	11.058	26.602	222.
301.	10.288	34.759	22.33	10.252	26.721	222.
351.	9.767	34.722	16.28	9.727	26.782	222.
400.	9.181	34.687	18.64	9.137	26.851	222.
497.	8.000	34.623	18.44	7.949	26.985	222.
598.	6.950	34.567	20.56	6.893	27.092	222.
698.	6.160	34.542	24.52	6.097	27.179	222.
803.	5.479	34.532	35.95	5.410	27.256	222.
899.	4.931	34.533	48.99	4.857	27.322	222.
1000.	4.490	34.538	69.92	4.410	27.375	222.
1197.	3.849	34.556	77.13	3.758	27.458	226.
1398.	3.297	34.578	89.17	3.194	27.530	222.
1600.	2.825	34.601	102.37	2.711	27.593	222.
1803.	2.527	34.620	109.24	2.399	27.635	222.
2001.	2.280	34.637	114.51	2.139	27.670	222.
2249.	2.033	34.655	125.22	1.875	27.705	222.
2500.	1.874	34.666	134.98	1.696	27.728	226.
2750.	1.801	34.672	147.55	1.601	27.740	222.
2999.	1.778	34.672	137.73	1.555	27.743	222.
3250.	1.763	34.674	136.14	1.515	27.747	222.
3499.	1.767	34.675	136.56	1.494	27.750	222.
3750.	1.781	34.675	136.74	1.481	27.751	222.
4000.	1.806	34.678	136.17	1.479	27.754	222.
4000.	1.806	34.677	136.48	1.479	27.752	322.
4138.	1.820	34.676	136.88	1.477	27.752	222.

CAST CG3-94-DI -117 LAT 11 00.0S LONG 103 00.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	26.602	35.512	205.89	26.600	23.233	222.
25.	26.610	35.511	205.77	26.605	23.231	222.
48.	25.929	35.729	212.73	25.918	23.611	222.
74.	22.775	36.028	216.03	22.760	24.785	222.
98.	20.837	35.904	199.51	20.818	25.234	222.
123.	18.935	35.550*	-9.00	18.913*	25.465*	351.
150.	15.812	35.079	129.77	15.789	25.858	222.
198.	12.386	34.834	7.81	12.360	26.392	222.
251.	11.004	34.781	20.87	10.973	26.611	222.
300.	10.287	34.756	20.07	10.252	26.718	222.
350.	9.719	34.724	18.86	9.679	26.791	222.
401.	9.082	34.685	22.43	9.038	26.866	222.
501.	8.116	34.629	21.43	8.064	26.973	222.
601.	7.117	34.575	20.17	7.059	27.076	232.
699.	6.235	34.548	25.80	6.172	27.173	322.
801.	5.571	34.533	37.98	5.502	27.246	222.
902.	4.968	34.531	54.59	4.894	27.316	226.
1000.	4.497	34.539*	67.79	4.417*	27.375*	292.
1100.	4.155	34.546	76.68	4.069	27.418	222.
1199.	3.788	34.558	84.58	3.697	27.465	222.
1262.	3.597	34.565	83.64	3.503	27.491	222.
1400.	3.251	34.582	89.48	3.149	27.537	222.
1601.	2.779	34.604	105.25	2.665	27.599	226.
1800.	2.465	34.624	111.93	2.338	27.643	222.
2000.	2.266	34.638	115.40	2.126	27.672	222.
2251.	2.049	34.653	124.09	1.890	27.703	222.
2500.	1.875	35.341	121.02	1.694	28.269	249.
2747.	1.799	34.672	140.53	1.600	27.740	222.
2999.	1.776	34.674	137.09	1.553	27.745	222.
3250.	1.766	34.674	136.91	1.519	27.747	222.
3496.	1.773	34.675	136.14	1.500	27.750	226.
3751.	1.784	34.675	135.44	1.484	27.751	222.
3751.	1.784	34.676	136.96	1.484	27.751	222.
3997.	1.804	34.674	137.46	1.477	27.751	222.
4294.	1.837	34.676*	137.51	1.475*	27.752*	292.

CAST CG3-94-DI -118 LAT 10 30.4S LONG 103 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	26.607	35.505	205.25	26.605	23.226	222.
26.	26.612	35.506	205.17	26.606	23.226	222.
49.	26.535	35.536	206.36	26.524	23.275	226.
74.	22.981	35.952	206.51	22.966	24.667	222.
101.	21.054	35.915	197.90	21.034	25.183	222.
126.	18.775	35.552	174.15	18.753	25.507	232.
148.	14.893	34.994	112.68	14.871	25.996	222.
200.	12.017	34.809	4.80	11.991	26.443	222.
249.	10.852	34.778	25.82	10.822	26.636	222.
299.	10.158	34.749	24.45	10.123	26.736	222.
348.	9.773	34.727	22.01	9.733	26.784	222.
401.	9.294	34.697	4.53	9.249	26.841	222.
500.	8.106	34.629	12.30	8.054	26.975	222.
596.	7.094	34.575	20.52	7.037	27.079	222.
701.	6.123	34.543	26.81	6.060	27.184	222.
800.	5.424	34.532	41.97	5.356	27.263	222.
901.	4.881	34.534	52.60	4.808	27.328	226.
1001.	4.501	34.539	65.43	4.422	27.375	222.
1149.	3.883	34.554	82.61	3.796	27.452	222.
1302.	3.413	34.572	87.60	3.317	27.514	222.
1599.	2.807	34.606	97.52	2.693	27.598	222.
1795.	2.491	34.625	109.43	2.364	27.642	222.
1994.	2.280	34.637	115.43	2.140	27.670	222.
2247.	2.060	34.653	120.33	1.902	27.702	222.
2500.	1.899	34.664	127.06	1.721	27.724	222.
2751.	1.817	34.669	131.24	1.617	27.736	222.
3000.	1.779	34.673	133.79	1.556	27.743	222.
3200.	1.768	34.674	132.22	1.525	27.747	222.
3498.	1.768	34.675	136.42	1.495	27.750	222.
3748.	1.781	34.676	137.60	1.482	27.752	226.
3997.	1.802	34.678	137.67	1.475	27.754	222.
4251.	1.826	34.676	138.22	1.470	27.752	222.
4502.	1.852	34.679	137.81	1.466	27.755	222.
4501.	1.852	34.676	138.69	1.466	27.753	222.
4754.	1.883	34.675	138.79	1.466	27.752	222.

* Calculated from CTD values

CAST CG3-94-DI -119 LAT 10 00.2S LONG 103 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	27.090	35.237	203.00	27.088	22.871	222.
25.	26.853	35.338	204.44	26.848	23.023	232.
50.	26.287	35.548	207.31	26.276	23.362	222.
76.	22.832	35.951	200.04	22.817	24.710	222.
99.	21.079	35.897	193.18	21.060	25.162	226.
126.	19.077	35.555	171.93	19.055	25.432	222.
144.	17.288	35.276	143.78	17.264	25.664	222.
200.	12.551	34.815	14.79	12.524	26.345	222.
250.	10.905	34.779	22.34	10.874	26.627	222.
301.	10.220	34.752	19.85	10.184	26.727	222.
400.	9.322	34.702	17.81	9.277	26.841	222.
502.	8.198	34.635	21.69	8.145	26.965	222.
598.	7.130	34.577	20.91	7.072	27.076	222.
700.	6.234	34.547	25.27	6.171	27.173	222.
798.	5.593	34.534	39.53	5.524	27.244	222.
901.	4.874	34.534	61.39	4.801	27.329	222.
999.	4.489	34.539	74.19	4.410	27.376	222.
1202.	3.744	34.560	90.47	3.654	27.472	226.
1400.	3.175	34.585	97.08	3.074	27.547	222.
1600.	2.757	34.608	104.04	2.644	27.604	222.
1801.	2.474	34.626	109.54	2.347	27.644	222.
2003.	2.263	34.640	115.59	2.123	27.673	222.
2196.	2.103	34.652	119.21	1.948	27.697	222.
2401.	1.977	34.660	123.66	1.806	27.714	222.
2598.	1.870	34.666	132.71	1.683	27.729	222.
2799.	1.807	34.670	130.95	1.603	27.738	222.
3000.	1.791	34.671	132.54	1.568	27.742	222.
3202.	1.772	34.673	135.05	1.529	27.746	222.
3401.	1.762	34.675	136.94	1.499	27.750	226.
3599.	1.766	34.675	137.69	1.483	27.750	222.
3799.	1.780	34.677	137.61	1.475	27.753	222.
4001.	1.797	34.675	137.80	1.470	27.752	222.
4299.	1.829	34.677	137.70	1.467	27.753	222.
4297.	1.828	34.675	139.08	1.467	27.752	222.
4642.	1.869	34.675	138.37	1.465	27.752	222.

CAST CG3-94-DI -120 LAT 09 38.9S LONG 103 36.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	27.180	35.146	202.41	27.177	22.773	222.
23.	27.184	35.146	200.84	27.179	22.772	222.
51.	26.428	35.592	208.44	26.417	23.351	222.
74.	24.226	35.888	215.69	24.211	24.253	222.
99.	21.980	36.010	195.08	21.960	24.998	322.
126.	19.901	35.738	185.17	19.878	25.359	222.
153.	16.412	35.170	142.12	16.387	25.790	222.
176.	14.749	34.973	90.74	14.723	26.012	222.
201.	13.274	34.847	22.55	13.246	26.225	322.
249.	11.525	34.795	9.87	11.493	26.526	222.
295.	10.738	34.781	18.65	10.703	26.659	222.
350.	9.983	34.734	18.30	9.942	26.755	222.
408.	9.220	34.692	16.66	9.175	26.849	222.
406.	9.231	34.693	16.57	9.186	26.848	222.
408.	9.221	34.694	16.60	9.176	26.850	222.
701.	6.159	34.548	33.54	6.096	27.184	222.
793.	5.431	34.535	49.12	5.364	27.264	222.
902.	4.857	34.536	63.80	4.784	27.332	222.
988.	4.587	34.538	70.87	4.508	27.365	222.
1204.	3.710	34.560	91.53	3.620	27.475	222.
1397.	3.196	34.585	95.04	3.094	27.545	222.
1598.	2.767	34.608	101.47	2.653	27.604	222.
1791.	2.487	34.626	107.24	2.361	27.643	222.
1994.	2.309	34.638	112.21	2.169	27.668	222.
2243.	2.088	34.653	116.43	1.929	27.699	222.
2493.	1.923	34.664	125.11	1.745	27.722	222.
2740.	1.820	34.670	130.14	1.621	27.737	226.
2995.	1.781	34.673	135.45	1.559	27.744	222.
3250.	1.761	34.675	135.77	1.514	27.748	226.
3499.	1.764	34.676	137.95	1.492	27.751	222.
3751.	1.779	34.676	136.64	1.479	27.751	226.
3997.	1.796	34.676	137.73	1.469	27.753	222.
4249.	1.821	34.678	137.68	1.465	27.754	222.
4249.	1.821	34.678	138.06	1.465	27.754	222.
4500.	1.847	34.676	138.32	1.462	27.753	222.

CAST CG3-94-DI -121 LAT 09 14.2S LONG 104 08.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	27.231	35.005	201.76	27.229	22.651	222.
29.	26.930	35.172	203.83	26.924	22.874	242.
51.	26.266	35.467	207.37	26.254	23.308	222.
75.	23.820	35.693	198.24	23.805	24.226	232.
100.	22.576	35.984	198.98	22.556	24.810	222.
124.	20.432	35.788	188.90	20.408	25.255	222.
154.	16.300	35.169	120.14	16.275	25.815	222.
175.	14.312	34.978	64.38	14.286	26.110	222.
195.	13.447	34.910	44.12	13.420	26.238	222.
248.	11.669	34.827	38.15	11.637	26.524	222.
302.	10.667	34.790	60.89	10.630	26.679	229.
350.	9.948	34.736	29.69	9.907	26.762	222.
399.	9.507	34.713	28.85	9.462	26.819	222.
502.	8.296	34.640	19.26	8.243	26.955	222.
595.	7.185	34.586	23.96	7.128	27.075	222.
699.	6.262	34.548	30.42	6.198	27.171	222.
799.	5.383	34.534	50.91	5.315	27.269	222.
900.	4.843	34.537	68.19	4.770	27.334	222.
1001.	4.367	34.543	78.69	4.288	27.392	222.
1196.	3.710	34.565	87.13	3.620	27.479	222.
1401.	3.168	34.589	96.94	3.067	27.551	222.
1699.	2.597	34.620	105.45	2.477	27.628	222.
1798.	2.494	34.626	106.71	2.368	27.642	222.
1999.	2.294	34.639	111.18	2.153	27.670	226.
2203.	2.102	34.651	117.46	1.946	27.696	222.
2399.	1.980	34.660	122.08	1.809	27.714	222.
2593.	1.884	34.667	127.84	1.698	27.728	222.
2801.	1.812	34.671	129.15	1.608	27.738	222.
2999.	1.778	34.673	133.27	1.555	27.744	222.
3200.	1.759	34.675	135.42	1.517	27.748	222.
3402.	1.748	34.676	137.25	1.486	27.751	222.
3602.	1.757	34.677	137.71	1.473	27.753	222.
3790.	1.771	34.678	137.74	1.468	27.754	222.
3789.	1.771	34.677	138.22	1.468	27.754	222.
4077.	1.803	34.677	138.41	1.467	27.754	226.

CAST CG3-94-DI -122 LAT 08 51.2S LONG 104 41.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	27.499	34.881	202.35	27.497	22.470	222.
26.	27.490	34.880	202.70	27.483	22.474	222.
49.	26.706	35.410	209.53	26.695	23.126	222.
74.	23.882	35.830	204.61	23.867	24.311	222.
101.	21.356	35.925	195.92	21.336	25.107	232.
124.	17.757	35.366	126.90	17.736	25.618	222.
151.	13.965	34.996	23.37	13.943	26.197	222.
176.	12.831	34.927	9.25	12.807	26.376	222.
200.	12.209	34.889	14.89	12.182	26.469	222.
225.	11.960	34.870	-9.00	11.931	26.502	221.
250.	11.745	34.854	9.75	11.713	26.531	222.
302.	11.198	34.820	9.33	11.160	26.607	222.
352.	10.738	34.792	10.41	10.695	26.668	226.
401.	10.116	34.751	9.31	10.068	26.746	222.
500.	8.622	34.658	10.78	8.568	26.919	222.
598.	7.255	34.590	-9.00	7.197	27.069	221.
702.	6.255	34.552	30.49	6.192	27.175	222.
802.	5.506	34.540	51.14	5.437	27.259	222.
900.	4.949	34.536	67.61	4.875	27.322	222.
1000.	4.479	34.543	79.59	4.400	27.380	222.
1099.	4.078	34.550	86.91	3.993	27.429	222.
1201.	3.798	34.558	90.48	3.707	27.465	226.
1304.	3.485	34.570	93.32	3.388	27.505	222.
1397.	3.179	34.586	95.73	3.077	27.547	222.
1600.	2.743	34.610	103.05	2.630	27.607	222.
1801.	2.454	34.628	106.46	2.327	27.647	222.
1997.	2.236	34.643	111.28	2.096	27.678	222.
2249.	2.053	34.655	116.77	1.895	27.703	222.
2501.	1.895	34.663	125.29	1.717	27.724	226.
2752.	1.814	34.669	129.26	1.613	27.736	222.
3000.	1.775	34.672	134.88	1.552	27.743	222.
3249.	1.754	34.676	135.63	1.507	27.750	222.
3501.	1.754	34.678	136.89	1.481	27.753	222.
3503.	1.753	34.675	137.43	1.481	27.751	222.
3754.	1.761	34.678	138.48	1.461	27.754	222.

CAST CG3-94-DI -123 LAT 08 27.8S LONG 105 15.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
7.	27.694	34.959*	203.08	27.692*	22.466*	296.
24.	27.662	34.957	202.66	27.657	22.476	222.
51.	26.022	35.516	208.10	26.010	23.422	222.
101.	19.226	35.553	152.51	19.207	25.392	222.
149.	14.189	35.007	24.02	14.167	26.158	222.
202.	12.314	34.893	17.05	12.287	26.451	222.
300.	11.206	34.823	15.77	11.169	26.607	222.
399.	10.233	34.759	9.76	10.186	26.733	222.
502.	8.758	34.664	8.92	8.703	26.902	226.
599.	7.591	34.603	13.72	7.531	27.031	222.
702.	6.529	34.559	23.47	6.464	27.144	222.
800.	5.669	34.538	43.01	5.599	27.238	222.
899.	5.137	34.534	55.79	5.062	27.299	222.
999.	4.538	34.540	73.13	4.458	27.371	222.
1202.	3.771	34.562	89.44	3.680	27.470	222.
1397.	3.120	34.589*	95.67	3.020*	27.555*	296.
1597.	2.735	34.610	104.10	2.622	27.608	222.
1898.	2.338	34.638	113.06	2.205	27.665	232.
2194.	2.094	34.651	119.80	1.939	27.697	222.
2498.	1.912	34.664	125.34	1.733	27.723	222.
2795.	1.796	34.671	131.07	1.592	27.739	222.
3096.	1.752	34.674	134.84	1.520	27.748	222.
3401.	1.748	34.677	136.47	1.486	27.752	222.
3685.	1.762	34.676*	138.68	1.470*	27.753*	292.

CAST CG3-94-DI -124 LAT 08 04.7S LONG 105 49.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	27.623	34.931	203.10	27.621	22.468	222.
25.	27.624	34.932	203.20	27.618	22.470	222.
49.	25.328	35.539	210.91	25.318	23.654	222.
101.	18.206	35.423	140.64	18.188	25.551	222.
150.	13.762	34.980	7.86	13.740	26.227	222.
198.	12.686	34.916	16.67	12.659	26.396	222.
301.	11.253	34.825	15.14	11.215	26.601	222.
401.	10.017	34.745	5.13	9.971	26.758	222.
500.	8.710	34.664	9.12	8.656	26.910	222.
598.	7.183	34.585	16.42	7.124	27.075	222.
699.	6.284	34.556	29.13	6.221	27.173	222.
801.	5.523	34.542	47.91	5.454	27.259	222.
901.	4.950	34.534	68.17	4.876	27.320	222.
1001.	4.479	34.541	78.53	4.399	27.379	222.
1201.	3.728	34.562	92.22	3.638	27.475	222.
1401.	3.131	34.587*	98.43	3.030*	27.553*	252.
1602.	2.761	34.607	105.99	2.647	27.603	222.
1901.	2.372	34.629	110.50	2.238	27.655	232.
2200.	2.091	34.650	119.62	1.936	27.697	222.
2502.	1.916	34.663	125.81	1.737	27.722	226.
2799.	1.797	34.671	132.61	1.593	27.739	222.
3101.	1.750	34.675	135.48	1.518	27.748	222.
3400.	1.761	34.675*	136.32	1.499*	27.750*	252.
3496.	1.772	34.675	136.47	1.499	27.750	222.

* Calculated from CTD values

CAST CG3-94-DI -125 LAT 07 42.0S LONG 106 23.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	27.462	34.945	202.44	27.460	22.531	222.
24.	27.470	34.949	202.52	27.464	22.532	222.
50.	25.920	35.431*	211.11	25.909*	23.389*	252.
102.	17.414	35.293	-9.00	17.397	25.645	221.
151.	13.316	34.957	9.00	13.294	26.300	222.
197.	12.292	34.895	15.33	12.266	26.457	222.
298.	11.038	34.809	7.19	11.001	26.627	222.
402.	9.784	34.729	5.01	9.738	26.785	222.
500.	8.475	34.655	7.67	8.422	26.939	222.
598.	7.168	34.589	17.77	7.110	27.080	222.
697.	6.254	34.554	30.75	6.191	27.176	222.
801.	5.478	34.540	53.52	5.409	27.262	222.
900.	4.887	34.540*	66.89	4.813*	27.332*	252.
1002.	4.464	34.545	74.87	4.384	27.384	222.
1103.	4.079	34.553	83.25	3.994	27.432	222.
1200.	3.769	34.565	85.19	3.678	27.473	222.
1403.	3.220	34.587*	-9.00	3.118*	27.544*	391.
1602.	2.820	34.737	86.69	2.706	27.702	249.
1802.	2.507	34.625	106.54	2.379	27.641	222.
2000.	2.268	34.640	112.72	2.128	27.673	222.
2308.	2.044	34.655	117.34	1.880	27.705	222.
2608.	1.857	34.667	127.59	1.669	27.730	222.
2896.	1.786	34.673	133.31	1.573	27.742	222.
3142.	1.764	34.676	135.24	1.527	27.748	222.

CAST CG3-94-DI -126 LAT 07 18.7S LONG 106 56.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
7.	27.664	36.818	202.25	27.662	23.875	242.
23.	27.672	36.822	202.15	27.667	23.877	242.
50.	25.631	35.449	206.75	25.620	23.492	232.
74.	21.007	35.405	156.89	20.993	24.805	222.
99.	17.933	35.334	105.07	17.916	25.550	222.
124.	14.558	35.051	17.69	14.540	26.112	222.
150.	13.645	34.980	9.86	13.624	26.251	222.
175.	12.909	34.936	9.45	12.885	26.367	222.
203.	12.359	34.900	18.90	12.332	26.448	222.
214.	12.188	34.889	23.16	12.160	26.473	222.
250.	11.772	34.861	32.83	11.739	26.532	229.
300.	11.172	34.819	15.04	11.134	26.611	222.
351.	10.562	34.778	4.22	10.520	26.689	226.
403.	9.696	34.722	5.80	9.650	26.795	222.
500.	8.078	34.628	11.48	8.026	26.978	222.
600.	6.786	34.570	19.73	6.729	27.117	222.
698.	5.800	34.542	51.55	5.739	27.224	222.
803.	5.253	34.538*	-9.00	5.185*	27.287*	391.
899.	4.906	34.538	72.83	4.832	27.328	222.
1001.	4.463	34.543	82.86	4.384	27.382	222.
1098.	4.171	34.550	85.51	4.085	27.419	222.
1197.	3.793	34.563	84.68	3.703	27.469	222.
1302.	3.518	34.573	89.31	3.422	27.504	222.
1402.	3.233	34.584	95.18	3.131	27.541	222.
1500.	2.971	34.597	99.03	2.863	27.576	222.
1588.	2.789	34.608	102.76	2.676	27.601	226.
1800.	2.465	34.626	108.75	2.339	27.644	222.
2006.	2.260	34.639	113.04	2.120	27.673	226.
2200.	2.111	34.650*	-9.00	1.955*	27.695*	351.
2400.	1.936	34.661	-9.00	1.766	27.719	221.
2606.	1.863	34.666*	124.87	1.676*	27.729*	352.
2800.	1.798	34.672	135.52	1.594	27.740	222.
3000.	1.761	34.675	134.60	1.538	27.747	222.
3000.	1.761	34.674	135.45	1.538	27.745	222.
3190.	1.773	34.674	-9.00	1.531	27.746	221.

* Calculated from CTD values

CAST CG3-94-DI -127 LAT 06 56.4S LONG 107 30.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
11.	27.649	34.880	205.03	27.647	22.422	222.
10.	27.648	34.880	204.67	27.645	22.422	222.
11.	27.648	34.880	204.99	27.645	22.422	222.
25.	27.600	34.923	204.53	27.594	22.471	222.
49.	25.079	35.442	210.11	25.068	23.656	222.
75.	21.204	35.288	158.81	21.190	24.663	222.
102.	17.240	35.279	104.10	17.224	25.676	222.
123.	14.228	35.019	13.61	14.210	26.158	222.
151.	12.996	34.937	7.06	12.976	26.349	226.
167.	12.681	34.915	9.75	12.658	26.395	222.
200.	12.329	34.891	13.81	12.302	26.447	222.
218.	12.096	34.875	13.72	12.068	26.480	222.
298.	11.194	34.818	13.57	11.157	26.606	222.
350.	10.599	34.779	4.68	10.557	26.683	222.
404.	9.620	34.717	2.69	9.573	26.804	222.
498.	8.040	34.626	6.92	7.989	26.982	222.
600.	6.834	34.572	24.04	6.778	27.112	222.
700.	5.936	34.545	47.33	5.874	27.209	222.
803.	5.349	34.538	63.34	5.281	27.276	222.
900.	4.857	34.539	68.31	4.783	27.335	222.
1002.	4.290	34.546	86.39	4.212	27.403	226.
1103.	3.983	34.553	90.26	3.898	27.441	222.
1202.	3.668	34.566	91.20	3.578	27.484	222.
1295.	3.379	34.579	94.54	3.284	27.523	222.
1397.	3.119	34.591	99.34	3.019	27.557	222.
1604.	2.741	34.610	107.94	2.628	27.607	222.
1797.	2.506	34.624	108.29	2.379	27.640	222.
1996.	2.282	34.640	108.07	2.141	27.672	222.
2183.	2.133	34.648	114.00	1.979	27.691	222.
2399.	1.977	34.659	120.04	1.807	27.713	222.
2503.	1.889	34.664	126.80	1.710	27.725	226.
2795.	1.780	34.675	134.62	1.576	27.744	222.
3000.	1.783	34.676	135.01	1.560	27.746	222.
2999.	1.784	34.674	134.97	1.561	27.744	222.
3144.	1.796	34.675	135.30	1.558	27.745	222.

CAST CG3-94-DI -128 LAT 06 33.6S LONG 108 04.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	27.822	34.703	200.88	27.820	22.232	222.
9.	27.827	34.706	200.75	27.825	22.233	222.
23.	27.826	34.731	-9.00	27.820	22.253	221.
48.	27.122	35.004	201.90	27.111	22.687	222.
76.	21.285	35.334	157.90	21.270	24.676	222.
100.	17.880	35.302	81.47	17.863	25.538	222.
125.	14.600	35.036	14.64	14.581	26.092	222.
148.	13.141	34.938	10.15	13.121	26.321	222.
174.	12.591	34.911	12.90	12.568	26.411	322.
202.	12.178	34.882	17.70	12.152	26.469	222.
224.	11.930	34.867	26.20	11.901	26.505	222.
252.	11.620	34.848	23.20	11.588	26.549	222.
300.	11.087	34.813	7.89	11.049	26.621	222.
401.	9.551	34.712	4.88	9.505	26.811	222.
500.	7.878	34.618	11.14	7.827	27.000	222.
600.	6.602	34.564	33.77	6.546	27.137	222.
702.	5.759	34.547	54.79	5.698	27.233	222.
799.	5.109	34.537	76.93	5.043	27.303	322.
903.	4.612	34.540	84.22	4.540	27.363	222.
1002.	4.235	34.552	91.42	4.158	27.414	222.
1102.	3.912	34.562	89.43	3.828	27.456	226.
1202.	3.626	34.574	89.93	3.537	27.494	222.
1272.	3.464	34.580	90.13	3.370	27.515	222.
1403.	3.208	34.591	92.71	3.106	27.549	222.
1598.	2.802	34.611	95.18	2.688	27.603	226.
1801.	2.544	34.626	100.20	2.417	27.638	222.
2003.	2.304	34.641	105.77	2.163	27.671	222.
2200.	2.114	34.651	111.71	1.958	27.695	222.
2399.	1.965	34.660	122.63	1.795	27.715	222.
2600.	1.836	34.668	128.54	1.649	27.732	222.
2803.	1.782	34.674	135.76	1.578	27.743	226.
2995.	1.742	34.676	137.37	1.521	27.749	222.
3204.	1.741	34.678	138.47	1.499	27.752	222.
3204.	1.741	34.676	138.78	1.498	27.751	222.
3275.	1.748	34.677	139.06	1.498	27.751	222.

CAST CG3-94-DI -129 LAT 06 09.3S LONG 108 38.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	27.761	34.683	202.49	27.759	22.237	222.
25.	27.692	34.794	203.77	27.686	22.344	232.
51.	24.272	35.308	207.14	24.261	23.798	222.
76.	21.039	35.419	148.96	21.024	24.808	232.
101.	16.813	35.232	90.52	16.796	25.742	222.
125.	14.170	35.006	10.86	14.152	26.160	222.
149.	12.926	34.935	10.93	12.905	26.362	222.
176.	12.299	34.893	19.90	12.276	26.454	222.
200.	11.968	34.871	24.27	11.942	26.501	222.
224.	11.603	34.847	22.66	11.574	26.551	222.
249.	11.203	34.820	9.89	11.172	26.605	222.
301.	10.579	34.780	6.92	10.542	26.686	222.
349.	9.931	34.738	7.07	9.890	26.767	222.
401.	9.195	34.694	8.78	9.151	26.854	222.
502.	7.931	34.628	8.57	7.879	27.000	222.
601.	6.721	34.572	35.31	6.665	27.128	226.
701.	5.949	34.552	49.16	5.887	27.213	222.
801.	5.376	34.542	62.41	5.308	27.276	222.
902.	4.870	34.541	77.52	4.796	27.335	226.
1004.	4.371	34.546	89.11	4.292	27.394	222.
1101.	4.020	34.559	90.70	3.935	27.442	222.
1200.	3.764	34.569	89.99	3.673	27.476	222.
1302.	3.568	34.576	90.06	3.471	27.502	222.
1401.	3.292	34.588	90.18	3.189	27.539	222.
1602.	2.816	34.610	97.33	2.701	27.601	222.
1797.	2.553	34.625	99.13	2.425	27.637	222.
2000.	2.271	34.641	105.27	2.131	27.674	226.
2178.	2.098	34.652	113.10	1.944	27.697	222.
2399.	1.948	34.659	122.52	1.777	27.716	222.
2599.	1.806	34.670	131.02	1.621	27.737	222.
2800.	1.777	34.673	134.96	1.573	27.743	222.
3000.	1.757	34.678	135.10	1.534	27.750	222.
3201.	1.686	34.681	141.38	1.445	27.758	222.
3200.	1.684	34.678	141.76	1.443	27.756	222.
3308.	1.682	34.678	143.34	1.431	27.757	222.

* Calculated from CTD values

CAST CG3-94-DI -130 LAT 05 46.4S LONG 109 12.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
7.	27.861	34.581	203.45	27.859	22.128	222.
26.	27.710	34.595	203.84	27.704	22.188	222.
50.	25.637	35.338*	202.79	25.626*	23.407*	292.
100.	18.821	35.479	138.80	18.803	25.439	222.
151.	13.715	34.977	11.48	13.694	26.234	222.
202.	12.190	34.889	-9.00	12.164	26.472	221.
250.	11.463	34.839	18.97	11.431	26.572	222.
299.	10.827	34.798	10.33	10.790	26.656	222.
400.	9.280	34.703	5.79	9.235	26.848	222.
502.	7.701	34.619	9.78	7.651	27.027	222.
599.	6.695	34.574	30.95	6.639	27.133	222.
701.	6.024	34.552	48.60	5.962	27.204	222.
801.	5.450	34.542	64.57	5.382	27.268	222.
898.	4.820	34.541	79.30	4.747	27.340	222.
1002.	4.367	34.550	90.87	4.288	27.398	222.
1203.	3.819	34.566	91.74	3.728	27.469	222.
1400.	3.319	34.586	89.89	3.216	27.534	222.
1702.	2.645	34.617	103.61	2.524	27.622	222.
2002.	2.266	34.640	112.58	2.126	27.673	222.
2299.	1.988	34.657	119.97	1.826	27.710	222.
2601.	1.789	34.671	132.21	1.603	27.738	222.
2902.	1.743	34.676	137.27	1.531	27.748	222.
3201.	1.660	34.681	145.55	1.420	27.760	222.
3504.	1.623	34.681	146.31	1.353	27.765	222.

CAST CG3-94-DI -131 LAT 05 23.6S LONG 109 46.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	27.798	34.529	203.53	27.796	22.109	232.
10.	27.798	34.527	203.58	27.796	22.108	232.
24.	27.701	34.647	204.29	27.695	22.230	222.
49.	25.474	35.293	204.45	25.463	23.423	222.
99.	17.360	35.258	92.89	17.343	25.631	232.
147.	13.156	34.956	13.74	13.136	26.332	222.
201.	12.251	34.883	-9.00	12.224	26.456	221.
299.	11.144	34.805	15.12	11.107	26.605	222.
400.	9.681	34.709	6.51	9.635	26.787	222.
500.	8.353	34.638	6.60	8.301	26.944	242.
602.	7.009	34.585	23.72	6.952	27.099	222.
699.	6.151	34.555	46.11	6.088	27.190	222.
798.	5.455	34.542*	65.40	5.387*	27.267*	292.
999.	4.436	34.546	95.29	4.357	27.387	222.
1198.	3.709	34.570	96.56	3.619	27.483	222.
1403.	3.247	34.592	90.27	3.145	27.546	222.
1598.	2.826	34.609	96.21	2.712	27.599	222.
1797.	2.501	34.623	109.74	2.374	27.639	222.
2097.	2.167	34.645	111.84	2.020	27.686	222.
2398.	1.907	34.661	124.83	1.737	27.720	222.
2700.	1.780	34.671	133.83	1.586	27.740	222.
2999.	1.683	34.677	140.54	1.462	27.754	222.
3303.	1.572	34.683	149.96	1.324	27.769	222.
3655.	1.591	34.685	151.45	1.306	27.771	222.

CAST CG3-94-DI -132 LAT 5 0.1S LONG 110 20.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	27.897	34.697*	201.10	27.894*	22.204*	252.
24.	27.814	34.738	200.58	27.809	22.262	222.
49.	21.300	35.072*	148.35	21.290*	24.471*	252.
99.	14.636	35.090	53.48	14.621	26.125	222.
149.	12.829	34.915	25.39	12.808	26.366	222.
199.	12.356	34.881	16.00	12.330	26.433	222.
299.	11.351	34.824	8.18	11.313	26.582	222.
397.	9.745	34.727	4.45	9.699	26.790	222.
500.	8.450	34.675	13.49	8.397	26.958	242.
600.	7.341	34.600	23.46	7.282	27.065	222.
650.	6.814	34.576	38.60	6.753	27.119	222.
801.	5.624	34.541	77.79	5.554	27.245	222.
898.	4.937	34.539	-9.00	4.864	27.326	221.
1000.	4.469	34.547	85.47	4.389	27.384	222.
1193.	3.766	34.570	92.00	3.676	27.477	222.
1399.	3.259	34.591	90.29	3.156	27.544	222.
1598.	2.876	34.607	98.66	2.761	27.593	222.
1797.	2.521	34.625	106.09	2.394	27.639	222.
2099.	2.193	34.645	114.78	2.045	27.683	222.
2400.	1.932	34.661	124.39	1.762	27.719	222.
2701.	1.775	34.671	133.70	1.580	27.740	222.
3001.	1.643	34.678	142.68	1.423	27.758	222.
3301.	1.553	34.685	150.09	1.306	27.771	222.
3474.	1.553	34.685	151.42	1.288	27.773	222.

* Calculated from CTD values

CAST CG3-94-DI -133 LAT 04 29.7S LONG 110 19.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
6.	27.837	34.708	201.40	27.835	22.231	222.
25.	27.762	34.778	199.50	27.756	22.309	222.
51.	19.453	35.153	127.82	19.443	25.025	222.
76.	15.557	35.140	59.55	15.545	25.960	222.
102.	13.860	35.002	31.73	13.845	26.222	222.
127.	13.329	34.944	47.79	13.311	26.287	226.
151.	13.181	34.937	26.61	13.160	26.312	222.
180.	12.999	34.919	24.48	12.974	26.336	222.
200.	12.846	34.910	18.22	12.819	26.360	222.
221.	12.653	34.897	16.33	12.623	26.389	222.
250.	12.389	34.882	9.49	12.355	26.430	222.
299.	11.898	34.856	10.14	11.859	26.504	222.
352.	11.154	34.816	7.43	11.110	26.613	222.
400.	9.842	34.734	5.43	9.795	26.779	222.
502.	8.368	34.649	19.05	8.315	26.951	222.
598.	7.279	34.594	39.79	7.220	27.068	222.
701.	6.287	34.559	50.97	6.223	27.176	222.
800.	5.638	34.544	73.06	5.568	27.247	222.
901.	5.103	34.538	84.72	5.028	27.306	222.
999.	4.477	34.542	96.05	4.398	27.380	222.
1200.	3.746	34.569	94.27	3.655	27.479	222.
1399.	3.310	34.590	90.28	3.207	27.538	222.
1598.	2.933	34.607	94.89	2.818	27.588	222.
1798.	2.517	34.626	104.82	2.390	27.640	222.
1991.	2.272	34.641	108.53	2.133	27.673	222.
2187.	2.089	34.653	115.75	1.935	27.699	226.
2403.	1.925	34.659	126.06	1.755	27.718	222.
2604.	1.828	34.667	130.97	1.642	27.733	222.
2799.	1.737	34.673	136.93	1.534	27.745	222.
3001.	1.642	34.678	143.39	1.422	27.758	222.
3200.	1.577	34.682	148.54	1.339	27.767	222.
3401.	1.546	34.685	151.78	1.289	27.772	222.
3603.	1.526	34.688	153.81	1.249	27.778	222.
3603.	1.526	34.685	154.55	1.249	27.776	226.
3870.	1.544	34.687	154.33	1.238	27.778	222.

CAST CG3-94-DI -134 LAT 4 0.2S LONG 110 19.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	27.930	34.744	201.78	27.928	22.228	222.
26.	27.718	34.774	200.75	27.712	22.321	222.
49.	17.659	35.081	108.73	17.651	25.420	222.
76.	14.383	34.996	69.18	14.372	26.106	222.
98.	13.995	34.977*	61.31	13.981*	26.174*	296.
124.	13.528	34.950	56.47	13.510	26.251	222.
152.	13.321	34.940	58.04	13.300	26.287	222.
176.	12.959	34.914	54.53	12.935	26.340	222.
198.	12.850	34.906	54.35	12.823	26.356	222.
225.	12.749	34.900	39.74	12.719	26.372	222.
247.	12.689	34.898	27.02	12.656	26.383	222.
299.	12.323	34.881	9.81	12.284	26.443	222.
349.	11.366	34.826	7.15	11.322	26.582	222.
404.	9.895	34.737	4.38	9.848	26.773	222.
501.	8.350	34.649	12.99	8.297	26.954	222.
548.	7.715	34.617	26.66	7.660	27.024	226.
600.	7.268	34.600	25.56	7.209	27.075	222.
699.	6.500	34.572	38.64	6.436	27.158	222.
799.	5.712	34.546	69.83	5.642	27.239	222.
898.	4.963	34.538	88.48	4.889	27.322	222.
998.	4.340	34.547	96.58	4.262	27.399	222.
1197.	3.662	34.573	91.78	3.572	27.490	222.
1399.	3.215	34.593	89.73	3.113	27.550	222.
1601.	2.809	34.612	98.10	2.695	27.603	222.
1798.	2.491	34.628	104.90	2.364	27.644	222.
1995.	2.244	34.644	107.49	2.104	27.678	222.
2250.	2.066	34.652	115.47	1.907	27.700	222.
2493.	1.883	34.662*	-9.00	1.706*	27.724*	351.
2748.	1.781	34.671	134.07	1.582	27.740	322.
2999.	1.662	34.676	141.39	1.441	27.755	222.
3248.	1.574	34.682	148.39	1.331	27.768	222.
3503.	1.503	34.687	154.26	1.236	27.778	222.
3749.	1.498	34.690	156.07	1.206	27.782	222.
3750.	1.498	34.688	156.92	1.206	27.781	222.
3908.	1.511	34.689	156.60	1.202	27.781	226.

* Calculated from CTD values

CAST CG3-94-DI -135 LAT 03 30.0S LONG 110 20.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	27.783	34.765*	-9.00	27.781*	22.291*	351.
8.	27.739	34.771	204.79	27.737	22.310	222.
24.	27.351	34.811	202.03	27.346	22.467	222.
47.	15.525	35.039	89.39	15.517	25.888	222.
75.	14.149	34.983	66.85	14.139	26.145	222.
100.	13.699	34.962	56.09	13.684	26.224	222.
125.	13.530	34.951	56.07	13.512	26.252	222.
150.	13.255	34.933	57.29	13.234	26.294	222.
174.	13.028	34.913	47.42	13.004	26.326	322.
202.	12.765	34.901	57.79	12.738	26.369	222.
225.	12.671	34.892	55.30	12.641	26.382	222.
251.	12.579	34.885	49.65	12.545	26.395	222.
351.	11.669	34.845	6.34	11.623	26.541	222.
395.	10.519	34.770	2.61	10.471	26.691	222.
450.	9.210	34.696	5.38	9.160	26.855	322.
499.	8.387	34.651	16.02	8.334	26.949	222.
597.	7.291	34.596	39.07	7.232	27.068	222.
698.	6.355	34.567	49.27	6.291	27.173	222.
801.	5.744	34.556	57.63	5.674	27.243	222.
899.	5.061	34.540	84.52	4.986	27.313	222.
997.	4.554	34.545	92.18	4.474	27.374	222.
1202.	3.805	34.568	91.00	3.714	27.472	222.
1398.	3.180	34.596	89.32	3.078	27.555	222.
1595.	2.767	34.616	92.98	2.654	27.610	222.
1798.	2.468	34.634	95.23	2.342	27.650	222.
2002.	2.232	34.647	103.28	2.092	27.682	222.
2249.	2.013	34.655	117.66	1.854	27.707	222.
2501.	1.845	34.663	125.67	1.668	27.728	222.
2748.	1.745	34.670	134.20	1.546	27.742	222.
3000.	1.639	34.675	140.24	1.419	27.755	226.
3248.	1.562	34.681	148.16	1.319	27.767	226.
3498.	1.500	34.688	154.09	1.234	27.778	226.
3748.	1.478	34.691	157.20	1.187	27.784	226.
3747.	1.479	34.689	157.09	1.187	27.783	226.
3961.	1.500	34.688	155.87	1.185	27.782	226.

* Calculated from CTD values

CAST CG3-94-DI -136 LAT 03 00.0S LONG 110 20.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	26.984	34.976	202.37	26.982	22.708	226.
8.	26.979	34.976	201.91	26.977	22.709	222.
25.	26.945	35.033	200.33	26.939	22.764	222.
49.	19.267	35.116	136.29	19.258	25.045	232.
73.	14.194	35.003	71.35	14.183	26.151	322.
95.	13.355	34.947	75.51	13.342	26.283	222.
125.	13.212	34.922	72.18	13.195	26.294	222.
153.	12.991	34.908	69.53	12.970	26.328	222.
199.	12.882	34.911	35.57	12.855	26.353	222.
249.	12.630	34.900	14.57	12.597	26.396	222.
302.	12.354	34.884	13.66	12.314	26.440	222.
351.	11.829	34.854	17.60	11.783	26.518	222.
400.	10.586	34.775*	-9.00	10.537*	26.684*	351.
500.	8.233	34.643	15.19	8.181	26.967	222.
600.	7.205	34.597	33.92	7.147	27.081	226.
703.	6.392	34.569	50.33	6.328	27.170	226.
798.	5.697	34.554	61.10	5.627	27.247	222.
890.	5.225	34.552	66.21	5.150	27.303	222.
998.	4.659	34.544	90.31	4.578	27.362	222.
1099.	4.247	34.556	89.36	4.161	27.416	222.
1200.	3.813	34.567	93.49	3.722	27.471	222.
1249.	3.645	34.576	89.92	3.552	27.494	222.
1398.	3.221	34.594	90.20	3.120	27.550	222.
1600.	2.782	34.615	94.54	2.668	27.607	222.
1786.	2.505	34.631	97.37	2.379	27.645	226.
2002.	2.290	34.644	102.04	2.149	27.675	222.
2250.	2.072	34.654	110.19	1.913	27.701	226.
2498.	1.912	34.661	120.74	1.733	27.721	222.
2749.	1.755	34.670	133.07	1.557	27.741	226.
3000.	1.670	34.674	139.46	1.449	27.752	222.
3247.	1.592	34.679	144.59	1.349	27.763	222.
3499.	1.492	34.686	153.77	1.226	27.778	222.
3699.	1.467	34.693	157.57	1.181	27.787	222.
3701.	1.467	34.689	157.83	1.181	27.784	222.
3952.	1.486	34.690	158.99	1.172	27.785	222.

CAST CG3-94-DI -137 LAT 02 40.0S LONG 110 20.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	26.858	35.102	201.79	26.856	22.842	222.
24.	26.745	35.081*	198.79	26.740*	22.863*	252.
49.	16.958	35.091	104.29	16.950	25.597	222.
74.	14.183	35.000	78.13	14.172	26.151	222.
100.	13.401	34.939	77.39	13.387	26.268	222.
122.	13.249	34.925	69.29	13.232	26.289	222.
148.	13.155	34.920	58.57	13.135	26.304	222.
176.	12.989	34.912	55.51	12.965	26.332	222.
201.	12.842	34.902	43.70	12.815	26.354	222.
252.	12.555	34.888	23.53	12.521	26.402	222.
301.	11.891	34.859	17.55	11.852	26.508	222.
350.	10.919	34.798*	9.00	10.875*	26.641*	351.
401.	9.862	34.735	4.71	9.816	26.777	222.
499.	8.092	34.637	14.41	8.040	26.983	222.
599.	7.114	34.594	28.97	7.056	27.092	222.
700.	6.191	34.559	56.50	6.128	27.188	222.
800.	5.534	34.549	67.49	5.465	27.263	222.
898.	5.041	34.553	67.67	4.967	27.325	222.
1000.	4.525	34.553	79.44	4.446	27.383	222.
1202.	3.678	34.576	87.87	3.588	27.491	222.
1400.	3.139	34.597	92.21	3.038	27.560	222.
1601.	2.735	34.617	98.58	2.622	27.613	222.
1800.	2.444	34.634	97.80	2.318	27.653	222.
2001.	2.277	34.644	103.59	2.137	27.676	222.
2201.	2.100	34.653	109.02	1.944	27.698	222.
2403.	1.933	34.660	119.14	1.762	27.718	222.
2599.	1.825	34.666	125.80	1.639	27.732	226.
2801.	1.736	34.671	134.37	1.533	27.744	222.
3001.	1.657	34.676	140.44	1.437	27.754	222.
3201.	1.595	34.679	144.01	1.357	27.763	222.
3401.	1.546	34.683	148.59	1.288	27.771	226.
3601.	1.473	34.688	155.62	1.197	27.781	222.
3799.	1.465	34.691	157.44	1.169	27.786	222.
3800.	1.465	34.689	158.81	1.168	27.784	222.
3938.	1.477	34.690	157.86	1.165	27.785	326.

* Calculated from CTD values

CAST CG3-94-DI -138 LAT 02 20.0S LONG 110 20.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	26.680	35.074	201.63	26.678	22.878	222.
25.	23.158	35.091	169.30	23.153	23.960	222.
50.	15.466	35.054	79.41	15.458	25.913	222.
75.	13.654	34.962	80.58	13.643	26.233	222.
100.	13.258	34.924	76.23	13.244	26.285	222.
125.	13.133	34.919	67.40	13.116	26.308	222.
149.	13.026	34.914	53.93	13.005	26.326	222.
173.	12.919	34.909	48.51	12.895	26.344	222.
200.	12.821	34.902	46.44	12.793	26.359	322.
252.	12.647	34.891	31.50	12.613	26.386	222.
303.	12.359	34.882	11.47	12.319	26.437	222.
352.	11.543	34.837	9.04	11.498	26.557	222.
402.	10.742	34.786	5.95	10.693	26.665	222.
499.	8.694	34.667	13.82	8.640	26.915	222.
601.	7.459	34.610	22.09	7.400	27.055	222.
700.	6.441	34.569	47.51	6.376	27.164	222.
798.	5.761	34.558	59.86	5.691	27.242	222.
901.	4.917	34.554	68.84	4.843	27.340	222.
1002.	4.499	34.560	73.69	4.419	27.392	222.
1201.	3.755	34.575	-9.00	3.664	27.482	221.
1401.	3.202	34.594	90.77	3.100	27.552	226.
1601.	2.822	34.610	98.94	2.708	27.600	222.
1799.	2.440	34.634	98.16	2.314	27.653	226.
2000.	2.227	34.646	104.27	2.087	27.681	222.
2198.	2.069	34.654	110.69	1.914	27.701	222.
2400.	1.931	34.659	119.06	1.761	27.717	222.
2600.	1.829	34.664	125.12	1.643	27.730	222.
2798.	1.722	34.671	133.94	1.519	27.745	222.
2999.	1.666	34.673	137.91	1.446	27.752	222.
3197.	1.593	34.680	143.42	1.355	27.764	222.
3399.	1.538	34.684	149.79	1.281	27.772	222.
3599.	1.459	34.690	156.58	1.184	27.784	222.
3798.	1.452	34.692	157.26	1.156	27.787	222.
3798.	1.453	34.690	157.78	1.157	27.786	226.
4023.	1.477	34.691	157.54	1.156	27.787	222.

CAST CG3-94-DI -139 LAT 02 00.8S LONG 110 20.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	26.275	34.691	201.29	26.273	22.717	246.
9.	26.165	35.081	199.86	26.163	23.045	222.
24.	22.085	35.070	145.61	22.080	24.250	232.
50.	15.772	35.105	81.73	15.764	25.883	222.
75.	14.190	35.010	76.71	14.179	26.158	322.
100.	13.337	34.931	83.33	13.323	26.274	222.
125.	13.108	34.915	65.72	13.091	26.310	222.
148.	13.011	34.908	72.40	12.990	26.324	222.
172.	12.965	34.911	50.94	12.941	26.336	322.
199.	12.864	34.909	32.93	12.836	26.355	222.
249.	12.651	34.895	35.79	12.617	26.388	222.
282.	12.352	34.879	14.06	12.314	26.435	222.
350.	11.012	34.803	6.84	10.969	26.628	222.
400.	9.852	34.730	3.49	9.806	26.775	222.
498.	8.028	34.629	26.06	7.977	26.986	222.
601.	6.921	34.577	56.08	6.864	27.105	222.
700.	6.041	34.555	62.59	5.978	27.204	226.
798.	5.555	34.549	69.47	5.486	27.260	222.
900.	5.003	34.554	69.87	4.929	27.330	222.
999.	4.567	34.560	72.94	4.487	27.384	222.
1100.	4.105	34.564	82.20	4.020	27.438	222.
1199.	3.765	34.576	86.14	3.674	27.483	222.
1400.	3.277	34.594	86.59	3.174	27.545	226.
1599.	2.911	34.608	95.51	2.796	27.591	222.
1800.	2.547	34.628	98.97	2.420	27.639	222.
1998.	2.269	34.644	104.03	2.128	27.676	222.
2250.	2.042	34.656	111.72	1.883	27.705	226.
2446.	1.883	34.661	124.58	1.709	27.723	222.
2749.	1.740	34.670	134.11	1.542	27.742	222.
3003.	1.652	34.673	139.66	1.432	27.753	222.
3249.	1.589	34.679	144.00	1.346	27.764	226.
3488.	1.524	34.685	151.32	1.258	27.775	222.
3751.	1.453	34.690*	-9.00	1.162*	27.785*	251.
3752.	1.453	34.690	158.62	1.162	27.785	222.
4019.	1.474	34.690	158.81	1.153	27.786	226.

CAST CG3-94-DI -140 LAT 01 40.0S LONG 110 19.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	26.805	35.092	200.55	26.803	22.852	222.
8.	26.809	35.078	200.99	26.807	22.840	222.
23.	26.525	35.051	190.87	26.519	22.911	222.
50.	18.761	35.103	120.92	18.752	25.164	226.
76.	15.240	35.076	76.93	15.229	25.981	222.
100.	14.190	35.019	69.60	14.175	26.166	222.
125.	13.764	34.980	69.92	13.747	26.225	222.
150.	13.318	34.936	74.08	13.297	26.284	222.
175.	13.077	34.914	70.07	13.053	26.317	222.
201.	12.996	34.909	64.83	12.968	26.329	222.
250.	12.841	34.903	49.83	12.807	26.357	222.
300.	12.565	34.887	23.82	12.524	26.400	222.
352.	11.997	34.858	10.16	11.951	26.489	222.
400.	10.837	34.790	9.72	10.788	26.651	222.
501.	8.460	34.653	23.69	8.407	26.940	222.
602.	6.937	34.578	56.21	6.880	27.103	222.
700.	6.194	34.577	59.67	6.131	27.202	242.
802.	5.597	34.557	64.45	5.528	27.262	232.
898.	5.006	34.551	68.61	4.932	27.327	222.
999.	4.535	34.553	70.36	4.455	27.382	232.
1099.	4.107	34.561	83.43	4.022	27.435	222.
1199.	3.748	34.564	85.00	3.658	27.474	232.
1402.	3.184	34.574	89.18	3.082	27.538	242.
1562.	2.945	34.596	93.33	2.832	27.578	232.
1801.	2.510	34.606	92.55	2.383	27.625	242.
1998.	2.233	34.633	97.85	2.093	27.670	242.
2247.	1.999	34.647	115.10	1.841	27.701	236.
2492.	1.839	34.655	125.04	1.662	27.722	232.
2753.	1.721	34.663	131.26	1.523	27.738	236.
3001.	1.657	34.669	137.63	1.437	27.749	222.
3248.	1.590	34.673	141.92	1.347	27.758	232.
3501.	1.511	34.678	148.70	1.244	27.770	232.
3748.	1.449	34.685	156.86	1.159	27.782	232.
3747.	1.449	34.692	153.73	1.159	27.787	222.
3951.	1.467	34.690	157.88	1.154	27.786	222.

* Calculated from CTD values

CAST CG3-94-DI -141 LAT 01 20.0S LONG 110 20.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	26.637	35.033	200.72	26.635	22.860	226.
9.	26.648	35.032	200.56	26.646	22.857	222.
25.	26.573	35.032	198.23	26.567	22.881	222.
50.	16.351	35.090	83.42	16.343	25.739	222.
71.	14.303	35.007	58.87	14.292	26.132	322.
88.	13.484	34.975	57.33	13.472	26.278	222.
107.	13.232	34.945	62.95	13.217	26.307	222.
149.	12.960	34.914	61.03	12.939	26.339	222.
200.	12.899	34.911	34.60	12.871	26.350	222.
251.	12.693	34.897	21.16	12.659	26.381	222.
301.	12.374	34.881	16.40	12.334	26.433	222.
350.	11.484	34.826	10.09	11.440	26.560	222.
400.	10.498	34.767	18.05	10.450	26.692	222.
500.	8.497	34.644	40.18	8.443	26.927	232.
600.	7.082	34.578	60.63	7.024	27.083	222.
696.	6.225	34.552	70.92	6.162	27.178	222.
801.	5.637	34.544	76.66	5.567	27.246	222.
899.	5.037	34.550	69.93	4.962	27.323	222.
1001.	4.568	34.547	83.54	4.488	27.374	222.
1097.	4.189	34.558	88.39	4.104	27.424	222.
1198.	3.873	34.568	88.64	3.782	27.465	222.
1401.	3.282	34.596	83.66	3.180	27.546	222.
1600.	2.884	34.609	96.35	2.769	27.594	222.
1801.	2.514	34.631	95.85	2.387	27.644	222.
1999.	2.293	34.644	101.03	2.152	27.674	222.
2206.	2.016	34.654	113.89	1.862	27.705	222.
2404.	1.933	34.657	119.49	1.762	27.716	226.
2595.	1.795	34.665	127.47	1.610	27.733	222.
2799.	1.735	34.669	130.52	1.532	27.743	222.
2999.	1.712	34.672	132.59	1.490	27.748	222.
3197.	1.620	34.674	139.64	1.381	27.757	222.
3399.	1.577	34.679	142.79	1.320	27.766	222.
3597.	1.512	34.687	148.77	1.236	27.778	226.
3597.	1.500	34.684	149.35	1.224	27.776	222.
3865.	1.458	34.691	157.46	1.155	27.787	222.

CAST CG3-94-DI -142 LAT 01 00.1S LONG 110 19.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	25.694	35.156	203.50	25.692	23.249	226.
25.	25.345	35.150	195.33	25.339	23.353	226.
49.	17.448	35.305	85.26	17.440	25.643	226.
75.	15.390	35.141	59.42	15.378	25.998	226.
99.	13.191	34.921	100.44	13.177	26.296	326.
124.	13.082	34.910	97.46	13.065	26.310	226.
150.	13.026	34.906	91.69	13.005	26.320	226.
176.	12.914	34.898	81.65	12.890	26.337	226.
198.	12.871	34.897	75.28	12.844	26.345	222.
222.	12.773	34.897	66.65	12.743	26.365	222.
250.	12.668	34.890	53.52	12.634	26.381	222.
299.	12.369	34.874	26.19	12.329	26.428	222.
400.	9.868	34.730	35.82	9.822	26.772	222.
498.	8.372	34.636	53.38	8.319	26.940	222.
599.	7.122	34.581	59.86	7.064	27.080	222.
702.	6.241	34.555	68.67	6.178	27.179	222.
799.	5.571	34.909	-9.00	5.502	27.543	341.
898.	5.050	34.545	81.93	4.975	27.318	222.
1003.	4.575	34.554	78.23	4.495	27.379	222.
1060.	4.328	34.559	80.86	4.245	27.410	222.
1198.	3.878	34.569	86.20	3.787	27.465	222.
1399.	3.216	34.599	89.43	3.114	27.554	232.
1598.	2.916	34.607	94.46	2.801	27.590	322.
1801.	2.475	34.631	98.24	2.349	27.647	222.
1995.	2.260	34.645	101.93	2.119	27.678	222.
2252.	2.007	34.655	112.22	1.849	27.707	222.
2499.	1.862	34.662	122.07	1.685	27.726	222.
2749.	1.766	34.669	125.75	1.567	27.739	222.
2999.	1.703	34.672	132.95	1.482	27.748	222.
3249.	1.608	34.678	139.90	1.364	27.761	222.
3500.	1.534	34.684	146.67	1.267	27.773	222.
3749.	1.453	34.690	151.49	1.163	27.785	222.
4000.	1.472	34.693	155.08	1.154	27.788	222.
4002.	1.472	34.690	156.40	1.153	27.786	222.
4118.	1.485	34.690	157.51	1.154	27.786	222.

CAST CG3-94-DI -143 LAT 00 40.3S LONG 110 19.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	25.101	35.174	194.56	25.098	23.445	226.
24.	23.478	35.253	174.56	23.472	23.990	226.
48.	18.009	35.409	109.43	18.001	25.586	222.
74.	15.059	35.131	109.18	15.048	26.063	222.
101.	14.144	35.037	97.44	14.130	26.189	222.
124.	13.370	34.932	104.41	13.352	26.270	222.
149.	13.087	34.892	100.50	13.066	26.296	222.
169.	13.003	34.893	91.32	12.980	26.315	222.
198.	12.931	34.893	83.36	12.903	26.330	222.
248.	12.776	34.890	66.82	12.743	26.360	222.
297.	12.361	34.870	28.74	12.321	26.427	222.
348.	11.466	34.821	18.08	11.422	26.560	222.
402.	10.043	34.739	47.00	9.996	26.749	222.
501.	8.399	34.641	29.38	8.346	26.939	222.
599.	7.284	34.589	50.08	7.225	27.064	222.
700.	6.404	34.561	61.96	6.339	27.163	222.
799.	5.451	34.548	72.26	5.383	27.272	222.
898.	5.108	34.545	79.08	5.033	27.311	222.
1000.	4.605	34.553	78.59	4.525	27.374	222.
1100.	4.167	34.562	81.86	4.082	27.430	222.
1199.	3.962	34.568	83.45	3.869	27.456	222.
1501.	3.108	34.598	91.65	2.999	27.565	222.
1599.	2.930	34.606	95.10	2.814	27.588	222.
1785.	2.513	34.629	97.21	2.387	27.643	222.
2001.	2.257	34.643	103.31	2.117	27.676	222.
2243.	2.052	34.652*	-9.00	1.894*	27.701*	351.
2492.	1.939	34.658	117.43	1.760	27.716	222.
2746.	1.766	34.669	127.82	1.568	27.740	222.
3000.	1.722	34.674	132.33	1.500	27.748	222.
3248.	1.618	34.678	139.39	1.375	27.761	222.
3499.	1.551	34.683	145.13	1.283	27.771	226.
3630.	1.483	34.688	151.68	1.204	27.781	222.
3630.	1.483	34.689	151.39	1.203	27.781	222.
3747.	1.464	34.689	154.56	1.173	27.784	222.
3861.	1.464	34.690	156.68	1.161	27.785	222.

CAST CG3-94-DI -144 LAT 00 20.2S LONG 110 19.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	24.424	35.173	188.09	24.422	23.648	226.
27.	22.466	35.230	163.18	22.460	24.264	226.
49.	18.345	35.292	127.86	18.337	25.413	222.
75.	16.574	35.232	117.60	16.562	25.797	222.
102.	14.343	34.998	124.81	14.328	26.117	222.
122.	14.072	34.988	118.67	14.054	26.167	222.
149.	13.543	34.937	110.32	13.522	26.239	222.
174.	13.201	34.894	104.84	13.177	26.276	222.
201.	13.043	34.883	90.03	13.015	26.300	222.
226.	12.904	34.889	77.29	12.873	26.333	222.
250.	12.812	34.891	67.96	12.778	26.353	222.
300.	12.272	34.863	21.02	12.232	26.439	222.
350.	10.954	34.789	27.70	10.911	26.628	222.
398.	9.470	34.697	35.59	9.425	26.812	222.
498.	8.145	34.630	34.09	8.093	26.970	222.
601.	7.259	34.586	51.21	7.200	27.065	222.
697.	6.460	34.568	52.35	6.396	27.160	222.
799.	5.578	34.549	69.59	5.509	27.257	222.
901.	5.141	34.547	75.32	5.065	27.308	222.
1000.	4.685	34.551	77.95	4.604	27.364	222.
1200.	4.006	34.568	79.96	3.913	27.451	222.
1398.	3.445	34.589	82.14	3.340	27.525	222.
1599.	2.929	34.606	93.88	2.814	27.587	222.
1794.	2.546	34.629	96.79	2.419	27.640	222.
1997.	2.315	34.638	102.75	2.174	27.668	222.
2200.	2.099	34.649	109.88	1.944	27.695	222.
2403.	1.945	34.657	117.05	1.774	27.714	222.
2603.	1.854	34.662	122.03	1.667	27.727	222.
2800.	1.778	34.668	127.79	1.575	27.738	222.
2983.	1.706	34.672	133.64	1.486	27.748	222.
3249.	1.629	34.675	139.27	1.385	27.758	222.
3501.	1.553	34.682	145.18	1.285	27.770	222.
3751.	1.465	34.690	154.84	1.174	27.785	226.
3751.	1.466	34.689	155.56	1.174	27.783	222.
3840.	1.465	34.690	155.93	1.165	27.785	222.

* Calculated from CTD values

CAST CG3-94-DI -145 LAT 0 0.0N LONG 110 20.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	24.729	35.134	190.99	24.727	23.527	222.
26.	23.991	35.128	183.21	23.985	23.744	222.
52.	17.483	34.859	128.67	17.474	25.293	222.
76.	15.860	34.911	126.04	15.848	25.715	222.
102.	14.711	34.952	128.31	14.696	26.002	222.
124.	14.007	34.924	123.00	13.990	26.132	222.
149.	13.730	34.938	113.75	13.708	26.201	222.
172.	13.405	34.903	107.15	13.381	26.241	222.
195.	13.138	34.883	92.08	13.111	26.280	322.
225.	12.846	34.888	72.37	12.816	26.343	222.
249.	12.731	34.887	52.66	12.698	26.366	322.
300.	12.160	34.853	18.03	12.121	26.452	222.
349.	10.777	34.777	24.45	10.734	26.650	222.
398.	9.477	34.699	27.39	9.432	26.812	222.
499.	8.059	34.626	34.09	8.008	26.979	222.
599.	7.274	34.592	45.77	7.216	27.067	222.
700.	6.504	34.568	52.07	6.439	27.154	222.
800.	5.671	34.558	66.52	5.601	27.254	232.
898.	5.080	34.547	75.38	5.005	27.316	222.
998.	4.787	34.551	77.28	4.706	27.353	222.
1201.	3.959	34.569	80.86	3.867	27.457	222.
1401.	3.315	34.594	84.45	3.212	27.541	222.
1600.	2.882	34.609	92.42	2.767	27.594	222.
1802.	2.538	34.627	96.56	2.410	27.639	222.
2000.	2.252	34.641	104.92	2.112	27.675	222.
2201.	2.118	34.649	108.92	1.962	27.693	222.
2400.	1.976	34.655	115.74	1.805	27.711	222.
2600.	1.864	34.663	121.32	1.677	27.726	222.
2799.	1.779	34.667	127.81	1.575	27.738	222.
3000.	1.698	34.673	133.34	1.477	27.749	222.
3198.	1.619	34.676	139.18	1.380	27.759	222.
3399.	1.551	34.682	144.57	1.294	27.770	222.
3600.	1.506	34.688	147.41	1.229	27.779	222.
3599.	1.505	34.686	148.49	1.228	27.777	222.
3836.	1.464	34.690	156.01	1.164	27.785	222.

CAST CG3-94-DI -146 LAT 00 20.1N LONG 110 20.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.640	35.067	184.97	24.638	23.503	226.
25.	24.204	35.059	180.08	24.199	23.629	226.
49.	20.045	34.770	134.44	20.036	24.578	226.
74.	14.645	34.758	112.44	14.634	25.866	226.
98.	13.994	34.810	107.10	13.980	26.045	226.
124.	13.691	34.895	113.07	13.673	26.175	222.
152.	13.416	34.885	103.51	13.395	26.224	226.
172.	13.204	34.882	88.56	13.180	26.265	222.
198.	12.965	34.884	70.91	12.938	26.316	226.
249.	12.624	34.882	36.13	12.590	26.384	222.
300.	12.128	34.854	18.98	12.089	26.459	226.
351.	11.035	34.796	22.38	10.992	26.619	222.
400.	9.692	34.713	34.71	9.646	26.788	222.
499.	8.054	34.625	32.24	8.002	26.979	222.
599.	7.204	34.592	40.15	7.146	27.078	222.
697.	6.189	34.560	56.15	6.126	27.189	222.
797.	5.338	34.550	67.71	5.270	27.287	222.
901.	4.984	34.551	73.77	4.910	27.330	222.
1000.	4.593	34.554	78.88	4.512	27.377	222.
1098.	4.244	34.563	78.00	4.158	27.422	222.
1200.	3.947	34.571*	79.56	3.854*	27.460*	292.
1290.	3.624	34.583*	78.42	3.527*	27.502*	292.
1399.	3.297	34.594*	83.24	3.195*	27.543*	292.
1600.	2.866	34.610	92.01	2.751	27.596	222.
1795.	2.556	34.627	96.51	2.429	27.637	222.
2000.	2.259	34.640	105.14	2.118	27.674	222.
2248.	2.079	34.651	110.50	1.920	27.698	222.
2499.	1.912	34.660	118.58	1.733	27.720	222.
2748.	1.796	34.667	124.12	1.596	27.736	222.
3000.	1.695	34.672	131.59	1.474	27.749	222.
3249.	1.614	34.677	138.38	1.370	27.760	222.
3499.	1.542	34.683	142.26	1.274	27.772	222.
3749.	1.460	34.691	153.54	1.169	27.786	222.
3749.	1.460	34.689	154.84	1.169	27.784	222.
3887.	1.471	34.690	155.19	1.165	27.785	222.

* Calculated from CTD values

CAST CG3-94-DI -147 LAT 00 39.9N LONG 110 20.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.731	35.035	191.99	24.729	23.452	226.
10.	24.734	35.033	192.20	24.732	23.449	222.
24.	24.358	35.017	187.23	24.353	23.551	226.
48.	16.829	34.769	102.69	16.821	25.381	222.
75.	14.941	34.831	80.74	14.930	25.858	222.
99.	14.220	34.840	80.76	14.205	26.021	222.
124.	13.561	34.836	83.51	13.543	26.156	222.
148.	13.292	34.857	81.05	13.271	26.228	222.
201.	12.786	34.887	65.99	12.759	26.354	322.
252.	12.602	34.884	43.09	12.569	26.389	222.
299.	12.035	34.843	17.70	11.996	26.469	222.
348.	11.149	34.798	16.04	11.106	26.600	222.
399.	9.766	34.714	24.22	9.720	26.776	226.
499.	8.113	34.627	33.35	8.062	26.972	222.
598.	7.324	34.595	40.22	7.265	27.063	222.
699.	6.226	34.563	49.14	6.163	27.187	222.
797.	5.424	34.551	68.27	5.356	27.277	222.
898.	4.980	34.549	74.29	4.906	27.329	222.
1001.	4.562	34.554	79.49	4.482	27.380	222.
1100.	4.218	34.564	77.77	4.132	27.426	222.
1199.	3.932	34.571	81.51	3.840	27.462	222.
1300.	3.641	34.582	79.97	3.543	27.500	222.
1401.	3.368	34.593	82.19	3.264	27.536	222.
1600.	2.905	34.609	93.10	2.789	27.592	222.
1801.	2.515	34.628	97.44	2.388	27.642	222.
2003.	2.199	34.644	106.15	2.060	27.682	222.
2246.	2.014	34.654	113.06	1.856	27.706	222.
2499.	1.870	34.662	120.37	1.693	27.725	222.
2749.	1.775	34.670	126.91	1.576	27.740	222.
3000.	1.697	34.672	131.89	1.476	27.748	222.
3251.	1.614	34.678	138.73	1.370	27.761	222.
3500.	1.514	34.686	145.15	1.247	27.776	222.
3752.	1.471	34.690	150.64	1.179	27.785	222.
3751.	1.471	34.689	151.49	1.179	27.783	222.
3886.	1.472	34.689	154.16	1.167	27.784	222.

CAST CG3-94-DI -148 LAT 01 00.0N LONG 110 20.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	25.262	34.904	194.12	25.261	23.191	226.
25.	24.492	34.968	187.27	24.487	23.474	226.
49.	17.739	34.859	103.40	17.731	25.231	226.
74.	15.305	34.951	74.14	15.293	25.870	222.
101.	14.044	34.928*	64.65	14.029*	26.126*	296.
124.	13.773	34.915	69.96	13.755	26.173	222.
151.	13.449	34.913	62.78	13.427	26.240	226.
174.	12.980	34.896	62.25	12.956	26.322	222.
201.	12.746	34.888	53.43	12.719	26.363	226.
250.	12.549	34.877	39.98	12.515	26.394	222.
301.	11.607	34.714	26.72	11.568	26.449	246.
351.	11.327	34.807	13.65	11.283	26.574	222.
400.	9.856	34.713	20.36	9.810	26.760	222.
499.	8.358	34.635	32.11	8.306	26.942	222.
601.	7.344	34.587	46.13	7.284	27.054	222.
700.	6.096	34.561	47.96	6.033	27.202	222.
801.	5.515	34.550	65.85	5.446	27.266	222.
899.	5.033	34.548	73.54	4.958	27.322	222.
1000.	4.598	34.554	78.10	4.518	27.376	222.
1098.	4.227	34.564	77.29	4.141	27.425	222.
1202.	3.983	34.570	79.63	3.890	27.455	222.
1401.	3.464	34.589	80.55	3.360	27.523	222.
1602.	2.960	34.607	91.21	2.844	27.585	222.
1802.	2.580	34.624	96.52	2.452	27.633	222.
2000.	2.249	34.640	104.86	2.109	27.675	222.
2202.	2.099	34.649	109.70	1.944	27.695	222.
2400.	1.936	34.658	117.19	1.766	27.716	222.
2601.	1.820	34.664	122.86	1.634	27.731	222.
2799.	1.763	34.668	126.88	1.559	27.739	222.
2999.	1.702	34.672	131.43	1.481	27.749	222.
3202.	1.629	34.676	137.26	1.390	27.758	222.
3401.	1.546	34.682	143.16	1.289	27.770	222.
3600.	1.480	34.688	147.47	1.204	27.781	222.
3601.	1.480	34.686	-9.00	1.204	27.779	221.
3703.	1.481	34.687	149.11	1.194	27.781	222.

* Calculated from CTD values

CAST CG3-94-DI -149 LAT 01 20.0N LONG 110 20.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	25.949	34.794	200.25	25.947	22.896	226.
25.	25.083	35.013	195.97	25.077	23.329	222.
50.	18.730	34.841	118.35	18.722	24.971	222.
75.	15.765	34.937	84.69	15.754	25.756	222.
101.	14.588	34.950	64.02	14.573	26.027	222.
127.	13.870	34.920	70.01	13.852	26.157	222.
149.	13.447	34.906	67.62	13.426	26.234	222.
167.	13.030	34.898	62.02	13.007	26.313	222.
200.	12.792	34.889	46.52	12.765	26.355	222.
251.	12.351	34.854	27.31	12.318	26.415	222.
302.	11.554	34.808	18.75	11.515	26.532	222.
349.	10.952	34.765	23.86	10.909	26.609	222.
399.	9.539	34.686	28.01	9.494	26.793	222.
500.	8.236	34.628	35.44	8.184	26.954	222.
600.	7.241	34.585	47.99	7.182	27.067	226.
700.	6.177	34.562	50.30	6.114	27.192	222.
798.	5.505	34.554	54.31	5.437	27.270	222.
900.	4.994	34.550*	-9.00	4.920*	27.328*	351.
1000.	4.429	34.558	72.10	4.350	27.397	222.
1101.	4.099	34.563	78.58	4.014	27.438	222.
1200.	3.913	34.570	88.46	3.821	27.463	222.
1400.	3.349	34.592	81.31	3.246	27.536	222.
1597.	2.858	34.611	92.20	2.743	27.597	222.
1801.	2.466	34.629	98.60	2.340	27.647	222.
2001.	2.221	34.640	107.76	2.081	27.677	222.
2201.	2.070	34.650	110.39	1.915	27.698	222.
2399.	1.957	34.656	116.29	1.787	27.713	226.
2599.	1.813	34.666	123.40	1.627	27.733	222.
2799.	1.776	34.667	127.08	1.573	27.738	222.
3001.	1.733	34.671	130.46	1.511	27.745	222.
3198.	1.658	34.673	135.86	1.419	27.754	222.
3402.	1.568	34.681	141.65	1.310	27.768	222.
3600.	1.502	34.687	146.09	1.226	27.778	222.
3599.	1.500	34.686	146.19	1.224	27.778	222.
3807.	1.488	34.687	148.02	1.190	27.781	222.

CAST CG3-94-DI -150 LAT 01 40.6N LONG 110 20.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	26.139	34.731	202.01	26.137	22.789	226.
23.	24.507	34.904	189.58	24.502	23.420	222.
51.	21.332	34.744	169.13	21.323	24.212	222.
73.	16.021	34.952	86.84	16.009	25.709	222.
97.	14.851	34.948	75.99	14.837	25.968	222.
125.	14.323	34.956	58.10	14.305	26.089	222.
149.	13.651	34.924	71.01	13.630	26.206	222.
173.	13.235	34.910	63.84	13.211	26.281	222.
197.	12.981	34.898	56.36	12.954	26.324	222.
199.	12.967	34.897	57.35	12.940	26.326	222.
251.	12.370	34.855	28.72	12.337	26.412	222.
300.	11.578	34.808	20.22	11.540	26.528	222.
398.	9.584	34.681	24.22	9.539	26.781	222.
498.	8.180	34.628	36.25	8.128	26.963	222.
600.	7.290	34.587	50.11	7.231	27.061	222.
698.	6.579	34.573	44.13	6.514	27.148	222.
798.	5.779	34.557	46.98	5.709	27.240	226.
899.	5.028	34.556	55.40	4.953	27.328	222.
1000.	4.441	34.561	69.52	4.362	27.399	222.
1101.	4.105	34.565	79.71	4.020	27.438	222.
1198.	3.896	34.571	82.10	3.805	27.465	222.
1300.	3.566	34.588	76.34	3.469	27.512	222.
1399.	3.380	34.593	80.08	3.277	27.534	222.
1500.	3.171	34.602	81.29	3.061	27.561	222.
1601.	2.945	34.610	86.91	2.829	27.589	222.
1800.	2.564	34.630	94.22	2.436	27.639	222.
2001.	2.265	34.640	107.12	2.125	27.673	222.
2251.	2.035	34.652	113.00	1.876	27.703	222.
2502.	1.874	34.661	119.76	1.696	27.724	222.
2750.	1.773	34.677	126.79	1.574	27.745	232.
2998.	1.737	34.672	129.91	1.516	27.746	222.
3250.	1.633	34.677	136.45	1.389	27.759	222.
3502.	1.552	34.685	142.79	1.285	27.772	222.
3502.	1.552	34.683	143.50	1.285	27.771	222.
3796.	1.485	34.688	147.88	1.188	27.782	226.

* Calculated from CTD values

CAST CG3-94-DI -151 LAT 02 00.2N LONG 110 20.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	26.592	34.609	203.53	26.590	22.556	226.
24.	26.024	34.694	199.71	26.019	22.799	222.
48.	17.705	34.847	117.16	17.697	25.230	222.
74.	15.315	34.931	71.96	15.303	25.853	222.
99.	14.403	34.950	64.17	14.389	26.067	222.
124.	13.976	34.938	60.01	13.958	26.149	222.
149.	13.682	34.930	53.60	13.661	26.205	222.
174.	13.167	34.902	39.02	13.142	26.289	222.
199.	12.775	34.879	33.05	12.748	26.350	222.
200.	12.775	34.878	32.54	12.748	26.350	222.
251.	12.188	34.844	23.26	12.155	26.439	222.
297.	11.712	34.812	20.94	11.674	26.505	222.
395.	9.801	34.693	25.01	9.756	26.754	222.
499.	8.167	34.619	30.85	8.115	26.958	222.
600.	7.319	34.587	50.25	7.260	27.057	322.
700.	6.555	34.566	49.47	6.489	27.146	222.
800.	5.722	34.558	48.72	5.652	27.247	222.
901.	5.083	34.558	52.30	5.008	27.324	222.
1001.	4.463	34.565	62.53	4.384	27.400	222.
1100.	4.139	34.570	69.84	4.053	27.439	222.
1200.	3.871	34.578	71.72	3.779	27.473	222.
1301.	3.550	34.588	77.01	3.453	27.514	222.
1400.	3.317	34.595	81.17	3.214	27.542	222.
1600.	2.960	34.610	86.51	2.844	27.588	222.
1800.	2.612	34.627	93.20	2.484	27.633	222.
2002.	2.337	34.638	101.46	2.196	27.666	222.
2248.	2.069	34.652	109.87	1.910	27.700	222.
2501.	1.841	34.665	119.38	1.663	27.729	222.
2743.	1.774	34.668	123.98	1.575	27.738	222.
2998.	1.710	34.672	130.29	1.489	27.748	222.
3248.	1.602	34.678	139.07	1.359	27.762	222.
3499.	1.507	34.685	145.34	1.241	27.776	222.
3748.	1.478	34.689	148.12	1.186	27.783	222.
3748.	1.478	34.688	148.24	1.186	27.782	222.
3839.	1.487	34.688	147.91	1.186	27.782	222.

CAST CG3-94-DI -152 LAT 02 20.0N LONG 110 20.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	27.043	34.392	201.80	27.041	22.249	222.
25.	27.064	34.501	201.73	27.058	22.325	222.
50.	18.840	34.814	126.31	18.831	24.923	222.
75.	15.573	34.945	45.13	15.561	25.806	222.
101.	14.959	34.956	74.20	14.943	25.951	222.
126.	14.181	34.948	64.00	14.163	26.113	222.
153.	13.637	34.932	53.25	13.615	26.215	222.
175.	13.308	34.913	47.72	13.284	26.269	226.
200.	12.908	34.885	35.36	12.880	26.329	222.
227.	12.550	34.859	30.89	12.519	26.380	222.
248.	12.168	34.831	30.52	12.135	26.433	222.
302.	11.269	34.774	29.27	11.231	26.558	222.
349.	10.311	34.719	23.94	10.269	26.687	222.
401.	9.278	34.671	21.11	9.233	26.823	222.
501.	8.081	34.615	36.15	8.029	26.968	222.
602.	7.093	34.578	49.26	7.035	27.082	222.
701.	6.434	34.562	52.44	6.369	27.159	226.
800.	5.748	34.560	41.87	5.678	27.245	222.
902.	5.064	34.559	52.88	4.989	27.327	226.
1001.	4.500	34.563	61.13	4.421	27.394	222.
1201.	3.774	34.581	69.71	3.683	27.485	222.
1399.	3.328	34.593	80.64	3.224	27.540	222.
1600.	2.930	34.611	92.91	2.814	27.591	222.
1800.	2.593	34.626	93.42	2.465	27.634	222.
2003.	2.374	34.636	99.73	2.231	27.662	222.
2202.	2.183	34.646	115.12	2.026	27.686	222.
2394.	1.915	34.660	115.10	1.745	27.719	222.
2600.	1.822	34.666	119.82	1.636	27.732	222.
2799.	1.770	34.669	124.45	1.567	27.740	222.
2999.	1.699	34.671	131.39	1.478	27.748	222.
3201.	1.612	34.678	136.50	1.374	27.761	222.
3401.	1.549	34.682	140.71	1.292	27.770	222.
3524.	1.498	34.687	145.19	1.229	27.778	222.
3600.	1.471	34.688	147.80	1.195	27.781	222.
3731.	1.472	34.691	147.71	1.183	27.785	222.

CAST CG3-94-DI -153 LAT 02 40.0N LONG 110 19.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	27.419	34.425	202.78	27.416	22.154	226.
25.	27.376	34.449	202.42	27.371	22.187	222.
50.	18.367	34.854	127.65	18.358	25.073	222.
73.	15.621	34.945	80.44	15.610	25.794	222.
99.	14.753	34.959	62.85	14.738	25.998	222.
123.	14.111	34.945	67.19	14.093	26.126	222.
149.	13.795	34.940	50.63	13.773	26.189	222.
174.	13.447	34.920	48.71	13.423	26.246	222.
200.	13.080	34.912	44.44	13.053	26.315	222.
221.	12.745	34.874	32.05	12.715	26.353	222.
249.	12.303	34.838	30.24	12.270	26.412	222.
301.	11.431	34.779	34.18	11.392	26.532	222.
349.	10.665	34.734	23.98	10.622	26.637	222.
400.	9.488	34.681	14.48	9.443	26.797	222.
498.	8.119	34.618	33.86	8.067	26.964	222.
602.	7.043	34.582	42.60	6.985	27.092	222.
701.	6.499	34.572	36.74	6.434	27.158	222.
797.	5.822	34.562	39.85	5.752	27.238	222.
903.	5.189	34.557	49.36	5.113	27.311	222.
1002.	4.522	34.561	61.22	4.442	27.390	222.
1098.	4.121	34.571	65.04	4.036	27.441	222.
1198.	3.785	34.581	69.24	3.694	27.484	222.
1300.	3.486	34.590	77.66	3.390	27.521	222.
1401.	3.276	34.595	81.79	3.173	27.546	222.
1602.	2.929	34.612	85.23	2.813	27.592	226.
1799.	2.631	34.625	92.37	2.502	27.630	222.
2000.	2.409	34.635	99.22	2.266	27.658	226.
2247.	2.108	34.650	108.02	1.949	27.696	222.
2500.	1.873	34.665	117.08	1.695	27.727	222.
2749.	1.793	34.668	122.12	1.593	27.737	222.
2999.	1.729	34.672	125.15	1.507	27.746	222.
3250.	1.611	34.677	137.27	1.367	27.761	222.
3502.	1.501	34.686	144.17	1.235	27.777	222.
3501.	1.500	34.685	145.09	1.234	27.776	222.
3742.	1.467	34.689	147.84	1.176	27.784	222.

CAST CG3-94-DI -154 LAT 03 00.0N LONG 110 20.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	27.709	34.639	203.26	27.706	22.221	226.
24.	27.479	34.685	202.22	27.473	22.331	222.
49.	16.664	34.922	98.86	16.656	25.536	222.
74.	15.211	34.948	76.91	15.200	25.888	222.
99.	14.356	34.949	69.32	14.341	26.076	222.
126.	13.892	34.941	61.18	13.874	26.169	222.
149.	13.639	34.932	54.94	13.618	26.215	222.
174.	13.273	34.909	44.86	13.248	26.273	222.
198.	13.061	34.891	36.87	13.034	26.303	222.
248.	12.267	34.838	27.30	12.234	26.419	222.
301.	11.380	34.774	36.85	11.342	26.538	222.
350.	10.445	34.721	30.96	10.403	26.665	222.
398.	9.616	34.687	9.60	9.571	26.780	222.
499.	7.813	34.617	21.09	7.762	27.008	222.
602.	7.001	34.590	28.27	6.943	27.104	222.
698.	6.379	34.565	38.91	6.316	27.168	222.
797.	5.670	34.557	43.60	5.600	27.253	222.
898.	5.123	34.558	50.82	5.048	27.319	222.
999.	4.577	34.558	62.92	4.497	27.382	226.
1099.	4.243	34.566	66.15	4.157	27.425	222.
1200.	3.838	34.581	67.74	3.747	27.479	222.
1300.	3.486	34.590	76.07	3.389	27.521	222.
1399.	3.300	34.596	79.71	3.197	27.544	222.
1500.	3.142	34.601	83.10	3.032	27.563	222.
1601.	2.951	34.610	85.83	2.835	27.589	222.
1799.	2.647	34.625	92.36	2.518	27.628	222.
2000.	2.395	34.635	98.53	2.253	27.659	222.
2235.	2.137	34.649	106.97	1.978	27.692	222.
2500.	1.887	34.662	117.02	1.709	27.724	222.
2751.	1.815	34.668	119.43	1.615	27.735	222.
3000.	1.715	34.673	126.81	1.494	27.748	222.
3253.	1.599	34.680	133.70	1.356	27.764	222.
3499.	1.498	34.686	142.91	1.232	27.778	222.
3500.	1.498	34.686	144.23	1.232	27.777	222.
3817.	1.467	34.689	148.89	1.169	27.784	226.

CAST CG3-94-DI -155 LAT 03 30.0N LONG 110 20.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	27.697	34.845	202.17	27.695	22.380	226.
24.	27.669	34.868	202.10	27.664	22.407	222.
49.	18.961	34.818	121.51	18.952	24.896	222.
73.	15.286	34.937	74.64	15.275	25.864	222.
99.	14.580	34.950	70.17	14.565	26.029	222.
125.	14.284	34.948	69.92	14.266	26.092	222.
149.	13.888	34.933	60.26	13.866	26.164	222.
174.	13.591	34.927	55.03	13.566	26.222	222.
199.	13.303	34.913	51.77	13.276	26.270	222.
249.	12.666	34.868	30.24	12.632	26.364	222.
300.	11.641	34.785	35.06	11.602	26.498	222.
351.	10.724	34.730	48.35	10.681	26.623	222.
400.	9.962	34.697	29.02	9.915	26.731	226.
500.	8.043	34.623	15.52	7.991	26.979	222.
601.	7.343	34.603	21.31	7.283	27.067	222.
700.	6.412	34.566	42.91	6.347	27.165	222.
801.	5.835	34.561	40.74	5.764	27.235	222.
902.	5.208	34.551	54.67	5.132	27.304	222.
1001.	4.711	34.558	61.64	4.630	27.367	222.
1099.	4.301	34.568	65.53	4.215	27.420	222.
1203.	3.843	34.577	70.35	3.752	27.475	222.
1300.	3.565	34.587	71.65	3.468	27.511	322.
1399.	3.329	34.597	74.41	3.225	27.543	222.
1600.	2.868	34.615	82.27	2.753	27.600	222.
1801.	2.545	34.629	92.69	2.417	27.640	226.
1999.	2.342	34.637	100.46	2.201	27.665	222.
2246.	2.118	34.649	108.89	1.958	27.694	222.
2498.	1.878	34.663	116.26	1.700	27.725	222.
2749.	1.822	34.668	117.60	1.622	27.735	222.
2998.	1.752	34.672	-9.00	1.530	27.744	221.
3248.	1.601	34.678	134.66	1.358	27.762	222.
3498.	1.477	34.686	144.99	1.212	27.779	222.
3749.	1.463	34.690	148.36	1.172	27.784	222.
3748.	1.463	34.688	148.77	1.172	27.783	322.
3973.	1.487	34.689	144.94	1.172	27.784	222.

CAST CG3-94-DI -156 LAT 04 00.1N LONG 110 20.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	27.970	34.452	205.51	27.968	21.995	226.
25.	25.985	34.424	199.49	25.980	22.607	222.
51.	19.721	34.723	115.85	19.712	24.627	222.
76.	15.964	34.924	72.60	15.952	25.701	222.
100.	14.498	34.947	61.92	14.483	26.044	222.
125.	13.964	34.937	55.55	13.946	26.150	222.
149.	13.690	34.930	52.16	13.669	26.203	222.
168.	13.466	34.919	46.94	13.442	26.241	222.
198.	13.136	34.901	41.82	13.108	26.295	222.
250.	12.452	34.853	25.52	12.419	26.395	222.
303.	11.795	34.808	22.75	11.756	26.487	222.
350.	10.955	34.750	54.19	10.912	26.597	222.
400.	10.255	34.713	34.88	10.208	26.692	222.
499.	8.430	34.643	8.02	8.377	26.937	222.
602.	7.324	34.590	39.95	7.265	27.059	222.
699.	6.568	34.563	49.78	6.503	27.142	222.
802.	6.012	34.557	49.20	5.940	27.210	222.
902.	5.373	34.551	50.79	5.296	27.285	222.
1002.	4.848	34.555	53.18	4.765	27.349	222.
1101.	4.474	34.563	53.84	4.386	27.398	222.
1200.	4.016	34.575	59.02	3.923	27.456	222.
1301.	3.693	34.583	67.25	3.594	27.496	222.
1400.	3.427	34.593	71.20	3.323	27.530	222.
1601.	2.942	34.614	80.19	2.826	27.593	222.
1802.	2.562	34.630	90.56	2.434	27.639	226.
1999.	2.321	34.640	98.45	2.179	27.669	222.
2240.	2.076	34.653	108.75	1.918	27.700	222.
2501.	1.876	34.664	115.23	1.698	27.726	222.
2751.	1.818	34.668	115.40	1.618	27.735	222.
2999.	1.763	34.672	120.74	1.541	27.744	222.
3252.	1.617	34.678	133.20	1.373	27.761	222.
3500.	1.495	34.686	143.23	1.229	27.778	222.
3750.	1.465	34.689	148.21	1.174	27.784	226.
3751.	1.465	34.688	148.35	1.174	27.783	222.
3902.	1.477	34.689	149.27	1.169	27.784	222.

CAST CG3-94-DI -157 LAT 04 30.0N LONG 110 20.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	28.673	33.892	201.27	28.670	21.344	222.
26.	28.422	33.963	204.22	28.416	21.481	222.
50.	21.755	34.694	145.34	21.745	24.058	222.
75.	15.356	34.911	72.52	15.345	25.828	222.
100.	14.449	34.949	67.84	14.434	26.056	222.
126.	13.823	34.938	60.76	13.805	26.181	226.
150.	13.420	34.922	52.96	13.399	26.252	222.
176.	13.105	34.902	43.42	13.080	26.301	222.
202.	12.747	34.878	40.20	12.719	26.355	222.
251.	11.969	34.819	32.89	11.936	26.462	222.
300.	10.992	34.731	74.16	10.955	26.575	222.
351.	10.410	34.719	43.32	10.368	26.670	222.
400.	9.717	34.686	31.23	9.671	26.763	222.
500.	8.416	34.636	5.95	8.363	26.933	222.
601.	7.273	34.591	18.38	7.214	27.067	222.
698.	6.399	34.565	32.39	6.335	27.166	222.
801.	5.770	34.553	45.50	5.699	27.237	222.
899.	5.300	34.552	47.37	5.224	27.294	222.
1001.	4.874	34.561	39.05	4.792	27.351	222.
1100.	4.398	34.567	51.03	4.311	27.409	222.
1200.	3.904	34.577	59.50	3.812	27.469	222.
1298.	3.604	34.587	65.20	3.507	27.507	222.
1401.	3.360	34.596	69.44	3.257	27.538	222.
1598.	2.907	34.614	78.90	2.792	27.596	222.
1801.	2.573	34.628	90.81	2.445	27.637	222.
2001.	2.347	34.639	98.09	2.205	27.666	222.
2251.	2.010	34.655	109.71	1.852	27.707	222.
2500.	1.877	34.664	113.25	1.699	27.725	222.
2748.	1.824	34.667	115.14	1.625	27.734	222.
2999.	1.742	34.672	119.57	1.520	27.746	222.
3249.	1.593	34.681	133.26	1.350	27.765	226.
3500.	1.505	34.686	142.05	1.238	27.777	222.
3750.	1.461	34.690	152.87	1.170	27.785	222.
3750.	1.461	34.689	148.65	1.170	27.784	222.
3990.	1.484	34.689	149.32	1.166	27.784	226.

CAST CG3-94-DI -158 LAT 04 59.7N LONG 110 20.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	28.995	33.697	198.82	28.992	21.091	226.
23.	28.879	33.707	198.99	28.874	21.138	222.
49.	24.942	34.256	158.28	24.931	22.802	222.
75.	17.245	34.690	73.25	17.233	25.222	222.
101.	13.778	34.677	41.92	13.763	25.987	322.
124.	12.717	34.680	54.74	12.701	26.205	222.
147.	12.012	34.637	96.38	11.993	26.309	222.
200.	11.605	34.734	30.00	11.579	26.462	222.
250.	10.649	34.675	85.76	10.618	26.591	322.
300.	10.375	34.704	51.73	10.339	26.662	222.
349.	9.956	34.696	37.86	9.916	26.730	222.
399.	9.505	34.676	26.47	9.460	26.790	222.
500.	8.300	34.628	4.63	8.248	26.945	222.
602.	7.194	34.588	6.86	7.135	27.075	222.
702.	6.405	34.566	20.86	6.340	27.166	222.
802.	5.784	34.560	25.12	5.713	27.241	222.
900.	5.182	34.557	33.62	5.107	27.312	222.
1000.	4.717	34.564	43.39	4.635	27.371	222.
1201.	3.911	34.577	58.46	3.819	27.468	222.
1399.	3.385	34.595	67.90	3.282	27.536	222.
1601.	2.927	34.612	76.10	2.811	27.592	222.
1798.	2.598	34.625	85.79	2.470	27.633	222.
1999.	2.325	34.639	94.84	2.183	27.668	222.
2198.	2.084	34.652	105.43	1.929	27.699	222.
2399.	1.938	34.660	110.46	1.768	27.717	222.
2602.	1.855	34.666	111.05	1.668	27.730	222.
2799.	1.818	34.669	112.57	1.613	27.736	226.
2999.	1.756	34.672	120.36	1.534	27.745	222.
3200.	1.628	34.678	130.87	1.388	27.760	222.
3399.	1.556	34.683	136.64	1.299	27.770	222.
3599.	1.523	34.688	141.46	1.246	27.778	222.
3701.	1.512	34.686	143.38	1.225	27.777	222.
3997.	1.496	34.689	147.44	1.177	27.784	222.
3998.	1.496	34.687	148.64	1.177	27.782	222.
4266.	1.522	34.688	148.52	1.173	27.783	226.

CAST CG3-94-DI -159 LAT 05 30.0N LONG 110 20.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
23.	28.972	33.769	199.68	28.967	21.154	222.
49.	28.425	34.117	202.08	28.414	21.597	222.
75.	17.778	34.673	38.78	17.765	25.080	222.
97.	14.340	34.777	11.15	14.326	25.946	222.
125.	12.639	34.773	20.70	12.622	26.293	222.
150.	12.080	34.771	22.78	12.060	26.401	222.
174.	11.592	34.751	27.88	11.569	26.478	222.
200.	11.125	34.743	33.54	11.100	26.558	222.
249.	10.545	34.722	34.29	10.515	26.646	222.
300.	10.084	34.701	34.83	10.049	26.711	226.
349.	9.626	34.681	25.65	9.586	26.773	322.
400.	9.234	34.666	11.88	9.190	26.827	222.
502.	8.046	34.614	2.89	7.994	26.972	326.
599.	6.905	34.579	16.24	6.849	27.108	222.
700.	6.151	34.562	19.53	6.088	27.195	222.
801.	5.484	34.559	28.71	5.416	27.276	222.
900.	5.055	34.558	35.29	4.980	27.327	222.
1002.	4.497	34.564	44.75	4.417	27.396	222.
1099.	4.185	34.574	52.57	4.100	27.437	222.
1200.	3.873	34.583	57.28	3.781	27.477	222.
1301.	3.585	34.588	63.75	3.488	27.510	226.
1400.	3.332	34.597	68.54	3.229	27.542	222.
1600.	2.892	34.615	77.35	2.777	27.598	222.
1801.	2.591	34.627	84.84	2.463	27.635	222.
2000.	2.303	34.641	95.12	2.162	27.671	222.
2249.	2.023	34.655	106.27	1.864	27.706	222.
2499.	1.864	34.666	111.25	1.687	27.728	222.
2750.	1.822	34.668	113.38	1.622	27.735	222.
2999.	1.744	34.672	119.30	1.522	27.746	222.
3252.	1.590	34.681	132.09	1.346	27.765	222.
3501.	1.551	34.684	138.26	1.284	27.772	222.
3747.	1.506	34.687	144.05	1.214	27.780	222.
3748.	1.504	34.690	144.10	1.212	27.782	222.
3966.	1.507	34.687	147.22	1.192	27.781	222.

CAST CG3-94-DI -161 LAT 06 30.0N LONG 110 20.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	29.106	33.813	197.08	29.104	21.141	222.
24.	29.043	33.822	197.56	29.037	21.170	226.
50.	27.596	34.166	202.10	27.585	21.904	222.
75.	19.748	34.644	92.94	19.734	24.561	222.
99.	13.919	34.726	34.73	13.905	25.996	322.
124.	12.628	34.708	47.41	12.612	26.244	222.
149.	12.277	34.770	37.99	12.257	26.361	222.
174.	11.771	34.754	37.28	11.749	26.446	222.
199.	11.396	34.755	37.03	11.371	26.518	222.
223.	11.041	34.738	42.93	11.013	26.569	222.
249.	10.757	34.736	24.25	10.727	26.619	222.
299.	10.261	34.711	18.44	10.226	26.688	222.
345.	9.818	34.691	10.88	9.778	26.749	222.
397.	9.218	34.661	6.87	9.174	26.825	222.
497.	8.275	34.623	1.45	8.223	26.944	226.
600.	7.048	34.581	2.39	6.990	27.090	222.
700.	6.072	34.564	10.51	6.009	27.208	222.
802.	5.395	34.561	20.65	5.327	27.289	222.
898.	5.038	34.560	31.03	4.964	27.331	222.
999.	4.551	34.568	35.26	4.471	27.392	222.
1100.	4.108	34.571	54.82	4.022	27.443	222.
1201.	3.828	34.579	59.80	3.736	27.478	222.
1298.	3.561	34.586	65.62	3.464	27.511	222.
1401.	3.364	34.594	68.26	3.261	27.537	222.
1598.	2.887	34.612	73.39	2.773	27.596	222.
1798.	2.576	34.627	84.55	2.448	27.636	222.
1999.	2.302	34.640	93.33	2.161	27.671	222.
2199.	2.116	34.652	98.83	1.961	27.696	222.
2391.	1.956	34.658	102.92	1.786	27.714	222.
2601.	1.860	34.665	108.79	1.673	27.729	222.
2801.	1.810	34.670	113.06	1.606	27.738	222.
3000.	1.698	34.674	122.19	1.477	27.751	222.
3200.	1.569	34.683	133.81	1.331	27.768	222.
3199.	1.567	34.680	134.24	1.330	27.766	222.
3265.	1.538	34.682	137.12	1.295	27.770	226.

CAST CG3-94-DI -162 LAT 07 00.0N LONG 110 20.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	29.041	33.994	197.28	29.039	21.298	222.
24.	29.046	33.991	196.74	29.041	21.296	222.
51.	25.079	34.420	206.38	25.068	22.884	222.
75.	18.118	34.664	50.05	18.106	24.990	222.
97.	14.330	34.813*	13.83	14.315*	25.977*	352.
125.	12.849	34.822	17.09	12.832	26.289	222.
152.	12.326	34.805	10.82	12.306	26.379	226.
175.	11.846	34.775	27.87	11.824	26.449	222.
199.	11.444	34.765	28.94	11.419	26.516	222.
224.	11.115	34.750	34.55	11.087	26.565	222.
250.	10.910	34.741	31.16	10.880	26.596	222.
300.	10.411	34.721	19.05	10.375	26.670	222.
348.	9.767	34.690	5.07	9.727	26.756	222.
398.	9.197	34.664	3.00	9.153	26.831	222.
500.	7.966	34.605	1.44	7.915	26.976	222.
599.	6.899	34.579	3.34	6.842	27.109	222.
699.	6.098	34.566	8.17	6.035	27.205	226.
797.	5.542	34.560	25.23	5.473	27.270	222.
899.	5.080	34.560	32.61	5.005	27.326	222.
1002.	4.683	34.564	34.98	4.602	27.375	222.
1099.	4.278	34.568	46.29	4.192	27.422	222.
1204.	3.933	34.575	57.09	3.841	27.465	222.
1397.	3.427	34.592	65.74	3.323	27.529	222.
1601.	2.907	34.612	73.70	2.792	27.594	222.
1744.	2.697	34.619	80.67	2.572	27.619	222.
1997.	2.328	34.637	92.10	2.187	27.665	222.
2252.	2.033	34.653	100.72	1.874	27.704	222.
2500.	1.867	34.664	107.84	1.689	27.727	222.
2748.	1.838	34.666	110.09	1.638	27.732	222.
2998.	1.742	34.673	117.46	1.520	27.746	222.
3247.	1.630	34.679	130.14	1.386	27.761	226.
3499.	1.573	34.683	136.53	1.306	27.770	222.
3747.	1.529	34.687	142.20	1.236	27.778	222.
3747.	1.529	34.683	142.20	1.236	27.775	322.
3878.	1.542	34.685	-9.00	1.235	27.776	221.

* Calculated from CTD values

CAST CG3-94-DI -163 LAT 07 30.0N LONG 110 20.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	28.935	33.936	197.06	28.933	21.290	222.
25.	28.942	33.937	196.97	28.936	21.290	222.
50.	27.238	34.021	197.48	27.226	21.911	222.
75.	14.947	34.736	32.57	14.936	25.783	222.
100.	13.166	34.818	35.79	13.152	26.222	232.
125.	12.853	34.842	28.83	12.836	26.304	222.
151.	11.980	34.784	29.15	11.960	26.430	222.
175.	11.614	34.765	30.66	11.592	26.484	226.
200.	11.289	34.750	38.43	11.264	26.534	222.
249.	10.872	34.738	31.49	10.842	26.601	222.
301.	10.429	34.719	31.79	10.393	26.665	222.
351.	10.108	34.704	5.42	10.067	26.710	222.
401.	9.591	34.671	4.85	9.546	26.772	222.
499.	8.226	34.619	1.31	8.174	26.948	222.
600.	7.184	34.586	2.75	7.126	27.075	222.
701.	6.385	34.570	5.72	6.321	27.172	222.
801.	5.734	34.562	14.74	5.664	27.249	222.
899.	5.185	34.560	24.07	5.109	27.314	222.
1001.	4.742	34.562	38.08	4.661	27.366	222.
1200.	4.029	34.574	52.84	3.936	27.454	222.
1398.	3.431	34.593	58.11	3.327	27.530	222.
1599.	3.005	34.610	70.39	2.888	27.584	222.
1798.	2.638	34.623	81.49	2.509	27.628	226.
2000.	2.340	34.635	89.39	2.198	27.663	222.
2198.	2.078	34.651	96.56	1.924	27.698	222.
2401.	1.905	34.663	105.16	1.735	27.722	222.
2602.	1.853	34.667	108.46	1.666	27.731	222.
2800.	1.790	34.670	113.25	1.586	27.739	222.
2999.	1.690	34.675	125.00	1.469	27.752	222.
3201.	1.632	34.678	128.76	1.392	27.760	222.
3401.	1.567	34.682	135.69	1.309	27.768	222.
3598.	1.549	34.685	138.83	1.272	27.773	222.
3796.	1.548	34.686	140.70	1.250	27.776	226.
3797.	1.548	34.685	141.09	1.250	27.775	222.
3984.	1.547	34.686	142.76	1.229	27.777	222.

CAST CG3-94-DI -164 LAT 07 59.9N LONG 110 20.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	28.914	33.896	197.24	28.912	21.267	222.
24.	28.870	33.900	196.79	28.864	21.285	222.
50.	22.317	34.348	130.45	22.307	23.638	222.
75.	14.789	34.725	33.11	14.778	25.809	222.
99.	13.613	34.768	32.31	13.599	26.092	222.
124.	13.122	34.801	30.97	13.105	26.219	222.
150.	12.523	34.802	32.94	12.503	26.339	222.
174.	11.974	34.778	33.71	11.951	26.426	222.
198.	11.646	34.767	31.70	11.621	26.481	222.
250.	11.052	34.747	27.49	11.021	26.575	226.
301.	10.756	34.734	25.42	10.719	26.619	222.
350.	10.221	34.710	16.13	10.179	26.695	222.
400.	9.647	34.683	6.07	9.601	26.772	222.
500.	8.286	34.624	1.03	8.233	26.943	222.
600.	7.379	34.591	2.17	7.320	27.052	222.
701.	6.155	34.566	7.37	6.092	27.198	222.
802.	5.558	34.561	18.77	5.489	27.269	222.
903.	5.188	34.560	25.53	5.112	27.313	222.
1001.	4.775	34.560	34.35	4.694	27.362	222.
1098.	4.345	34.566	42.67	4.258	27.414	222.
1202.	3.994	34.576	40.55	3.901	27.459	222.
1299.	3.667	34.585	48.62	3.569	27.499	222.
1402.	3.438	34.593	55.49	3.334	27.529	226.
1600.	2.959	34.610	69.43	2.843	27.588	222.
1800.	2.629	34.623	81.39	2.500	27.628	229.
2000.	2.342	34.637	85.71	2.200	27.665	222.
2241.	1.968	34.659	100.86	1.812	27.714	222.
2498.	1.849	34.667	108.79	1.672	27.730	222.
2751.	1.809	34.669	111.69	1.609	27.736	222.
3000.	1.703	34.674	121.01	1.482	27.750	222.
3249.	1.606	34.679	130.53	1.363	27.763	226.
3501.	1.589	34.681	133.85	1.321	27.767	222.
3749.	1.593	34.684	135.74	1.299	27.771	222.
3750.	1.593	34.683	135.98	1.298	27.770	222.
3990.	1.601	34.684	137.31	1.280	27.772	222.

CAST CG3-94-DI -165 LAT 08 30.0N LONG 110 15.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	28.970	34.045	197.44	28.968	21.360	222.
25.	28.892	34.045	197.44	28.886	21.387	222.
50.	24.924	34.134	152.79	24.913	22.715	222.
74.	18.640	34.624	41.69	18.627	24.829	226.
97.	14.511	34.726	39.76	14.497	25.871	222.
123.	13.115	34.746	44.48	13.098	26.177	222.
152.	12.496	34.782	24.53	12.476	26.328	222.
175.	12.069	34.775	30.04	12.047	26.406	222.
200.	11.603	34.755	31.75	11.577	26.479	222.
225.	11.393	34.755	29.00	11.365	26.519	222.
250.	11.181	34.751	30.59	11.150	26.555	222.
298.	10.729	34.732	31.07	10.693	26.622	222.
400.	9.748	34.688	6.83	9.702	26.760	222.
499.	8.744	34.643	1.73	8.690	26.888	222.
600.	7.342	34.581*	1.65	7.283*	27.049*	252.
700.	6.357	34.566	3.01	6.293	27.172	222.
799.	5.600	34.555	11.89	5.531	27.259	222.
900.	5.161	34.561	20.51	5.085	27.318	222.
999.	4.688	34.563	31.96	4.607	27.373	222.
1201.	3.974	34.576	42.01	3.882	27.461	222.
1399.	3.360	34.596	58.61	3.257	27.538	222.
1599.	2.975	34.610	69.82	2.859	27.587	222.
1765.	2.656	34.622	80.08	2.530	27.625	222.
1998.	2.299	34.638	87.68	2.159	27.669	222.
2199.	2.045	34.654	97.59	1.891	27.703	226.
2398.	1.916	34.662	104.01	1.747	27.720	222.
2599.	1.848	34.666	108.25	1.662	27.731	222.
2802.	1.827	34.669	110.92	1.622	27.736	222.
2999.	1.767	34.671	117.18	1.544	27.743	226.
3199.	1.684	34.676	123.92	1.444	27.754	222.
3400.	1.631	34.680	130.19	1.372	27.762	222.
3600.	1.602	34.682	134.40	1.323	27.767	222.
3599.	1.600	34.683	134.08	1.321	27.769	222.
3801.	1.595	34.683	136.39	1.295	27.770	222.
3918.	1.602	34.684	138.94	1.289	27.772	222.

* Calculated from CTD values

CAST CG3-94-DI -166 LAT 09 00.0N LONG 110 09.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	28.737	34.015	198.18	28.735	21.415	226.
24.	28.714	34.010	197.81	28.708	21.420	222.
49.	28.640	33.993	197.27	28.628	21.434	222.
74.	22.742	34.291	110.01	22.727	23.476	222.
100.	14.772	34.764	15.06	14.757	25.844	222.
124.	13.323	34.777	30.94	13.306	26.159	222.
151.	12.408	34.780	30.58	12.388	26.344	222.
176.	12.013	34.780	25.39	11.990	26.421	222.
201.	11.639	34.764	32.08	11.614	26.479	222.
253.	11.156	34.749	31.65	11.124	26.558	222.
300.	10.698	34.731	25.85	10.662	26.627	222.
349.	10.262	34.711	17.66	10.221	26.689	222.
399.	9.719	34.683	5.62	9.674	26.760	222.
501.	8.445	34.609	1.79	8.392	26.907	222.
601.	7.349	34.573	2.07	7.290	27.042	222.
700.	6.339	34.555	8.36	6.275	27.166	222.
799.	5.682	34.554	11.76	5.612	27.249	222.
900.	5.144	34.554	17.77	5.069	27.314	222.
1000.	4.787	34.557	24.00	4.705	27.358	222.
1097.	4.363	34.565	32.82	4.276	27.411	222.
1197.	4.018	34.573	39.96	3.925	27.454	222.
1298.	3.635	34.585	48.69	3.538	27.503	222.
1399.	3.373	34.592	55.20	3.270	27.535	222.
1498.	3.169	34.599	62.65	3.060	27.559	222.
1600.	2.968	34.608	68.51	2.852	27.586	226.
1799.	2.617	34.623	79.43	2.489	27.629	222.
2000.	2.290	34.640	87.97	2.149	27.671	222.
2246.	2.012	34.656	99.69	1.854	27.707	222.
2497.	1.869	34.665	108.03	1.691	27.727	226.
2730.	1.834	34.666	110.74	1.636	27.732	222.
2998.	1.741	34.673	118.72	1.519	27.746	222.
3250.	1.672	34.678	125.57	1.427	27.757	222.
3498.	1.621	34.681	131.20	1.352	27.765	222.
3500.	1.621	34.681	131.20	1.351	27.764	222.
3714.	1.627	34.681	132.45	1.335	27.766	222.

CAST CG3-94-DI -167 LAT 09 30.7N LONG 110 05.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	28.763	33.976	197.13	28.761	21.377	222.
8.	28.755	33.966	196.97	28.753	21.373	222.
24.	28.768	33.971	197.14	28.763	21.373	222.
50.	28.618	33.980	197.56	28.606	21.432	222.
75.	22.891	34.294	101.05	22.876	23.436	222.
101.	15.884	34.742	14.55	15.868	25.580	226.
124.	13.599	34.796	8.55	13.581	26.117	222.
146.	12.894	34.805	10.58	12.874	26.267	222.
173.	12.263	34.790	10.34	12.240	26.380	222.
199.	11.954	34.780*	-9.00	11.928*	26.432*	351.
253.	11.185	34.745	18.36	11.154	26.549	222.
295.	10.607	34.721	20.21	10.571	26.635	222.
348.	10.230	34.704	15.03	10.189	26.689	222.
374.	10.021	34.695	11.17	9.978	26.718	222.
400.	9.692	34.680	6.17	9.646	26.762	226.
506.	8.560	34.613	1.89	8.506	26.893	222.
597.	7.303	34.561	1.96	7.244	27.039	222.
695.	6.326	34.554	4.11	6.262	27.166	222.
801.	5.727	34.552	7.73	5.657	27.242	222.
897.	5.168	34.549	16.20	5.093	27.307	222.
998.	4.711	34.556	26.63	4.630	27.365	222.
1203.	4.017	34.575	40.23	3.924	27.456	222.
1400.	3.426	34.593	57.58	3.322	27.530	222.
1600.	2.979	34.607	69.47	2.863	27.584	222.
1805.	2.607	34.624	75.74	2.479	27.631	222.
1997.	2.282	34.640	86.52	2.142	27.672	222.
2199.	1.995	34.657	99.19	1.842	27.710	222.
2399.	1.899	34.660	105.14	1.730	27.721	222.
2600.	1.843	34.667	108.99	1.656	27.731	222.
2799.	1.809	34.668	112.30	1.605	27.736	322.
2999.	1.752	34.672	117.86	1.530	27.745	222.
3199.	1.698	34.676	123.00	1.457	27.753	222.
3399.	1.622	34.679	130.15	1.363	27.763	226.
3398.	1.622	34.679	130.26	1.363	27.763	222.
3511.	1.607	34.680	132.11	1.337	27.765	222.

* Calculated from CTD values

CAST CG3-94-DI -168 LAT 10 00.0N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	28.828	33.995	197.79	28.826	21.370	222.
24.	28.751	34.003	198.06	28.745	21.403	222.
50.	28.243	34.095	201.99	28.231	21.641	222.
74.	23.677	34.235	104.45	23.661	23.164	232.
101.	16.751	34.708	13.24	16.735	25.354	222.
125.	14.268	34.783	5.35	14.250	25.967	226.
150.	12.761	34.793	13.84	12.740	26.285	222.
174.	12.184	34.785	8.37	12.161	26.392	222.
194.	11.887	34.774	10.71	11.862	26.441	222.
249.	11.286	34.749	13.01	11.255	26.534	222.
300.	10.770	34.725	25.77	10.733	26.610	222.
349.	10.311	34.700	10.67	10.269	26.672	222.
399.	9.818	34.674	2.87	9.772	26.737	222.
500.	8.546	34.603	2.19	8.492	26.887	222.
600.	7.229	34.569	1.01	7.171	27.055	222.
699.	6.404	34.559	1.73	6.340	27.160	222.
799.	5.711	34.550	7.19	5.641	27.242	222.
898.	5.235	34.551	14.57	5.160	27.301	222.
999.	4.780	34.556	-9.00	4.699	27.358	321.
1099.	4.342	34.564	29.44	4.255	27.413	222.
1199.	3.999	34.574	36.08	3.906	27.457	226.
1299.	3.671	34.583	44.03	3.573	27.498	222.
1398.	3.484	34.589*	49.59	3.379*	27.522*	252.
1498.	3.240	34.598	54.61	3.129	27.552	222.
1599.	2.997	34.606	62.58	2.881	27.582	222.
1798.	2.637	34.625	73.73	2.509	27.630	222.
1997.	2.298	34.640	85.57	2.158	27.671	222.
2193.	2.043	34.653	96.80	1.889	27.703	222.
2399.	1.924	34.661	103.74	1.754	27.719	222.
2601.	1.837	34.666	109.59	1.651	27.731	222.
2801.	1.766	34.670	115.46	1.563	27.741	226.
2999.	1.718	34.674	120.23	1.497	27.749	222.
3199.	1.684	34.679	123.84	1.443	27.757	222.
3196.	1.683	34.676	123.85	1.443	27.754	222.
3342.	1.651	34.679	127.53	1.397	27.760	222.

* Calculated from CTD values

CAST CG3-94-DI -169 LAT 10 40.0N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	29.081	33.921	198.28	29.079	21.230	222.
23.	28.955	33.914	198.39	28.949	21.268	222.
48.	28.728	33.904	198.88	28.716	21.338	222.
74.	25.853	34.083	168.22	25.836	22.395	222.
99.	17.432	34.660	22.74	17.415	25.155	322.
125.	15.042	34.776	5.88	15.024	25.795	222.
150.	13.655	34.804	3.66	13.633	26.113	222.
174.	12.980	34.819	5.42	12.956	26.262	222.
198.	12.336	34.796	5.21	12.310	26.371	222.
225.	11.985	34.775	10.85	11.956	26.424	222.
249.	11.755	34.769	9.43	11.723	26.463	222.
299.	11.206	34.744	3.67	11.169	26.546	222.
400.	10.077	34.683	1.08	10.030	26.700	322.
499.	8.663	34.614	0.87	8.609	26.878	222.
599.	7.110	34.568	1.60	7.053	27.071	222.
699.	6.286	34.557	2.17	6.223	27.174	222.
802.	5.694	34.553	5.31	5.624	27.247	222.
898.	5.166	34.553	11.67	5.090	27.310	222.
998.	4.703	34.557	18.98	4.622	27.367	222.
1100.	4.184	34.568	31.30	4.098	27.432	222.
1200.	3.944	34.574	38.84	3.852	27.462	222.
1297.	3.648	34.583	45.15	3.550	27.500	222.
1381.	3.420	34.591	51.20	3.318	27.529	226.
1500.	3.163	34.601	58.96	3.053	27.562	222.
1598.	2.951	34.609	64.40	2.836	27.588	222.
1800.	2.646	34.623	72.89	2.517	27.627	222.
1998.	2.285	34.640	85.41	2.144	27.672	226.
2248.	2.007	34.656	85.62	1.849	27.708	222.
2489.	1.899	34.662	98.58	1.722	27.723	222.
2748.	1.819	34.668	105.35	1.619	27.735	222.
3001.	1.725	34.672	110.17	1.503	27.747	222.
3250.	1.630	34.677	128.32	1.386	27.759	222.
3248.	1.628	34.679	128.09	1.384	27.761	226.
3502.	1.556	34.680	136.18	1.288	27.769	222.
3844.	1.569	34.682	138.18	1.265	27.771	222.

CAST CG3-94-DI -170 LAT 11 20.0N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	28.848	33.804	197.77	28.845	21.220	222.
10.	28.847	33.800	197.79	28.845	21.217	226.
24.	28.857	33.803	198.29	28.851	21.217	222.
50.	28.860	33.805	197.48	28.848	21.220	222.
74.	27.243	33.816	182.55	27.225	21.757	222.
99.	22.438	34.260	88.78	22.418	23.540	222.
125.	16.773	34.717	9.16	16.753	25.356	222.
149.	14.222	34.792	3.60	14.201	25.985	222.
174.	13.172	34.807	4.36	13.147	26.214	322.
200.	12.636	34.803	3.55	12.609	26.319	222.
250.	11.901	34.774	5.79	11.868	26.439	222.
300.	11.208	34.744	5.18	11.170	26.546	222.
347.	10.747	34.721	4.55	10.705	26.612	222.
400.	9.999	34.679	0.60	9.952	26.710	222.
498.	8.606	34.611	1.01	8.553	26.884	222.
599.	7.291	34.568	1.47	7.232	27.046	222.
699.	6.290	34.553	1.59	6.226	27.171	222.
798.	5.712	34.550	3.19	5.642	27.242	222.
902.	4.988	34.554	14.36	4.914	27.332	222.
998.	4.570	34.558	26.24	4.490	27.382	222.
1099.	4.282	34.563	33.24	4.195	27.419	222.
1198.	3.924	34.575	39.78	3.832	27.465	222.
1297.	3.644	34.585	43.92	3.546	27.502	222.
1400.	3.403	34.591	50.51	3.299	27.530	222.
1500.	3.174	34.601	57.51	3.064	27.561	222.
1590.	2.979	34.609	63.44	2.864	27.585	222.
1799.	2.608	34.623	74.26	2.480	27.630	222.
2002.	2.276	34.639	85.39	2.136	27.671	222.
2248.	2.015	34.653	98.85	1.857	27.705	226.
2498.	1.890	34.661	105.91	1.712	27.723	222.
2747.	1.773	34.667	114.24	1.574	27.738	226.
3001.	1.701	34.671	120.02	1.479	27.748	222.
3249.	1.635	34.678	126.94	1.391	27.760	222.
3248.	1.635	34.676	127.84	1.391	27.758	222.
3542.	1.523	34.683	140.65	1.252	27.773	222.

CAST CG3-94-DI -171 LAT 12 00.1N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	28.953	33.848	196.71	28.951	21.218	222.
8.	28.950	33.848	196.78	28.948	21.219	222.
24.	28.951	33.848	196.81	28.946	21.220	222.
48.	28.958	33.847	196.67	28.947	21.219	222.
74.	28.915	33.848	196.02	28.898	21.236	222.
100.	26.358	33.819	154.06	26.336	22.040	226.
125.	22.447	34.234	91.73	22.422	23.519	232.
149.	16.383	34.718	91.57	16.359	25.449	229.
176.	13.932	34.801*	9.37	13.907*	26.053*	352.
200.	13.181	34.824*	0.94	13.153*	26.226*	252.
251.	12.218	34.795*	-9.00	12.185*	26.395*	351.
302.	11.423	34.753	0.61	11.385	26.513	222.
350.	10.614	34.707	0.91	10.572	26.625	222.
405.	9.777	34.654	2.72	9.731	26.728	226.
499.	8.559	34.586	1.85	8.506	26.872	222.
601.	7.316	34.550	1.53	7.257	27.029	222.
701.	6.396	34.545	1.56	6.331	27.150	222.
799.	5.750	34.537	3.56	5.680	27.227	222.
902.	5.170	34.540	6.50	5.094	27.300	222.
984.	4.736	34.549	13.76	4.656	27.357	222.
1099.	4.248	34.561	22.93	4.162	27.420	222.
1199.	3.938	34.572	29.76	3.846	27.462	222.
1298.	3.630	34.578	35.73	3.532	27.498	222.
1402.	3.361	34.592	45.17	3.257	27.535	222.
1500.	3.127	34.601	52.49	3.017	27.565	222.
1600.	2.907	34.610	-9.00	2.791	27.593	221.
1799.	2.483	34.630	77.77	2.357	27.646	222.
2001.	2.224	34.643	89.91	2.084	27.679	222.
2199.	2.057	34.652	96.57	1.902	27.701	226.
2399.	1.957	34.658	102.24	1.787	27.714	222.
2600.	1.855	34.663	108.38	1.669	27.727	222.
2798.	1.756	34.670	115.70	1.553	27.741	222.
3001.	1.728	34.672	118.91	1.506	27.747	222.
3001.	1.728	34.672	119.23	1.506	27.747	222.
3246.	1.589	34.679	130.78	1.347	27.764	222.

* Calculated from CTD values

CAST CG3-94-DI -172 LAT 12 40.0N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	28.982	33.770	198.20	28.980	21.150	222.
10.	28.956	33.770	198.28	28.954	21.159	226.
24.	28.860	33.765	198.65	28.855	21.187	222.
50.	28.669	33.745	198.61	28.657	21.238	222.
75.	28.549	33.861	199.30	28.531	21.367	322.
98.	27.302	33.976	183.89	27.279	21.860	222.
149.	16.465	34.718	5.41	16.441	25.430	222.
198.	13.338	34.822	0.31	13.310	26.193	222.
249.	12.226	34.791	0.19	12.193	26.390	222.
302.	11.370	34.738	0.18	11.332	26.511	222.
330.	11.118	34.739	1.84	11.077	26.559	222.
399.	10.198	34.684	1.48	10.151	26.680	222.
499.	8.767	34.616	1.62	8.713	26.863	222.
599.	7.491	34.573	0.24	7.431	27.022	222.
701.	6.573	34.551	0.93	6.508	27.132	222.
799.	5.850	34.548	1.69	5.780	27.224	222.
902.	5.213	34.545	5.00	5.137	27.298	222.
1001.	4.777	34.550	8.75	4.695	27.353	222.
1198.	3.941	34.569	26.27	3.848	27.459	222.
1400.	3.328	34.592	42.54	3.225	27.539	222.
1600.	2.944	34.607	57.83	2.829	27.587	222.
1802.	2.560	34.624	72.67	2.432	27.635	222.
1998.	2.263	34.640	85.96	2.123	27.673	222.
2199.	2.075	34.650	94.93	1.920	27.698	222.
2400.	1.959	34.657	102.15	1.788	27.713	222.
2600.	1.866	34.663	108.11	1.679	27.727	222.
2800.	1.790	34.667	113.58	1.586	27.737	226.
3001.	1.737	34.672	118.11	1.515	27.746	222.
3199.	1.669	34.675	124.72	1.429	27.755	222.
3401.	1.593	34.679	131.85	1.334	27.764	222.
3598.	1.567	34.681	135.86	1.289	27.769	222.
3797.	1.569	34.681	134.62	1.270	27.771	222.
4003.	1.587	34.683	137.35	1.265	27.772	226.
4001.	1.586	34.682	137.67	1.265	27.772	222.
4227.	1.610	34.681	137.53	1.262	27.771	222.

CAST CG3-94-DI -173 LAT 13 20.0N LONG 109 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	28.884	33.791	205.37	28.882	21.198	222.
25.	28.763	33.794	198.77	28.757	21.242	226.
50.	28.674	33.837	199.09	28.663	21.305	222.
74.	28.396	34.080	200.28	28.378	21.582	222.
98.	25.604	34.112	167.16	25.583	22.494	322.
125.	17.339	34.714	6.63	17.318	25.220	232.
149.	14.454	34.777	1.27	14.432	25.924	222.
175.	13.388	34.763	0.66	13.363	26.137	222.
199.	12.606	34.772	0.65	12.579	26.301	222.
251.	11.813	34.766	2.78	11.780	26.450	222.
300.	11.295	34.748	3.01	11.257	26.533	222.
348.	10.766	34.716	1.57	10.723	26.605	222.
401.	10.108	34.687	0.43	10.061	26.697	222.
498.	8.760	34.595	4.69	8.706	26.848	222.
597.	7.718	34.555	4.74	7.658	26.975	222.
700.	6.813	34.551	1.88	6.747	27.100	222.
798.	6.007	34.540	2.72	5.935	27.197	222.
899.	5.434	34.539	4.60	5.356	27.268	222.
1000.	4.931	34.541	11.41	4.848	27.329	222.
1101.	4.490	34.550	18.90	4.402	27.386	222.
1202.	4.116	34.563	25.12	4.023	27.436	222.
1301.	3.782	34.573	29.68	3.682	27.479	222.
1402.	3.407	34.587	41.08	3.303	27.527	222.
1600.	2.944	34.606	56.04	2.829	27.587	222.
1800.	2.576	34.623	72.05	2.448	27.633	222.
2001.	2.286	34.637	83.69	2.145	27.669	222.
2249.	2.064	34.650	94.94	1.905	27.699	222.
2500.	1.885	34.660	105.33	1.707	27.722	222.
2748.	1.788	34.667	112.67	1.589	27.736	222.
2998.	1.731	34.670	118.72	1.510	27.745	222.
3249.	1.668	34.676	125.30	1.423	27.756	226.
3500.	1.631	34.677	129.59	1.362	27.761	222.
3751.	1.617	34.681	132.63	1.322	27.767	226.
3751.	1.617	34.680	131.87	1.322	27.766	222.
4145.	1.647	34.680	133.83	1.308	27.768	222.

CAST CG3-94-DI -174 LAT 14 00.1N LONG 109 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	28.510	33.893	198.60	28.508	21.398	222.
9.	28.509	33.894	198.87	28.507	21.399	222.
25.	28.416	33.905	199.02	28.410	21.440	222.
49.	28.165	33.886	200.45	28.153	21.509	222.
74.	27.197	33.939	205.34	27.180	21.863	222.
99.	22.057	34.388	112.26	22.037	23.744	222.
124.	16.100	34.731	4.45	16.080	25.523	222.
148.	14.041	34.776	1.02	14.020	26.011	222.
173.	12.848	34.769	0.61	12.825	26.250	222.
200.	12.322	34.759	0.84	12.295	26.346	222.
250.	11.534	34.716	2.34	11.502	26.462	222.
301.	10.690	34.688	2.97	10.653	26.595	222.
348.	10.200	34.660	1.30	10.159	26.660	226.
400.	9.599	34.630	0.87	9.554	26.739	222.
500.	8.437	34.576	5.16	8.384	26.883	226.
601.	7.465	34.545	5.78	7.405	27.003	222.
701.	6.655	34.528	6.26	6.589	27.103	222.
800.	5.943	34.539*	1.93	5.872*	27.205*	252.
898.	5.382	34.541	3.45	5.306	27.276	222.
1000.	4.820	34.545	9.57	4.738	27.345	222.
1101.	4.431	34.554	14.94	4.343	27.396	222.
1201.	4.063	34.565	22.16	3.969	27.444	222.
1301.	3.801	34.572	29.35	3.702	27.476	222.
1400.	3.518	34.584	37.60	3.413	27.515	222.
1599.	2.926	34.608	58.02	2.811	27.590	222.
1802.	2.543	34.624	71.57	2.416	27.637	226.
1999.	2.257	34.640	84.84	2.116	27.674	222.
2197.	2.079	34.649	94.27	1.924	27.697	222.
2399.	1.960	34.658	101.89	1.789	27.714	222.
2600.	1.849	34.665	108.52	1.662	27.729	222.
2799.	1.789	34.669	113.82	1.585	27.738	222.
3002.	1.727	34.674	118.31	1.505	27.748	222.
3200.	1.671	34.676	123.37	1.431	27.755	222.
3200.	1.671	34.676	123.68	1.431	27.755	222.
3316.	1.672	34.675	124.29	1.420	27.756	222.

* Calculated from CTD values

CAST CG3-94-DI -175 LAT 14 29.8N LONG 109 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	28.303	33.881	199.63	28.301	21.457	222.
25.	27.003	34.050	205.40	26.997	22.005	222.
49.	26.367	34.069	208.37	26.356	22.222	222.
73.	25.605	34.283	210.79	25.589	22.621	222.
99.	20.931	34.243	156.90	20.912	23.943	222.
124.	16.246	34.640	8.54	16.226	25.420	226.
148.	14.059	34.738	0.34	14.037	25.978	222.
176.	12.762	34.756	2.80	12.738	26.257	222.
200.	12.094	34.753	0.97	12.068	26.385	222.
251.	11.356	34.731	0.17	11.324	26.508	222.
300.	10.914	34.706	0.95	10.877	26.569	222.
350.	10.317	34.676	0.55	10.275	26.652	222.
399.	9.630	34.637	0.93	9.584	26.739	226.
499.	8.257	34.571	2.05	8.205	26.906	222.
601.	7.390	34.540	3.61	7.331	27.010	222.
702.	6.642	34.541	1.47	6.576	27.115	222.
799.	5.958	34.536	1.57	5.887	27.201	222.
900.	5.310	34.536	3.44	5.233	27.280	222.
1002.	4.785	34.543	9.49	4.703	27.347	222.
1100.	4.375	34.554	16.69	4.288	27.401	222.
1179.	4.092	34.560	21.43	4.000	27.436	222.
1300.	3.731	34.573	29.83	3.632	27.484	222.
1400.	3.438	34.585	38.42	3.334	27.523	222.
1600.	3.064	34.601	51.04	2.947	27.571	222.
1800.	2.633	34.621	68.89	2.505	27.626	222.
1999.	2.324	34.634	81.64	2.183	27.664	222.
2197.	2.101	34.647	92.22	1.946	27.693	222.
2399.	1.931	34.657	101.32	1.761	27.715	222.
2600.	1.771	34.666	112.16	1.586	27.736	222.
2799.	1.710	34.671	117.08	1.508	27.745	226.
3003.	1.676	34.673	122.21	1.455	27.751	222.
3200.	1.662	34.674	124.15	1.422	27.754	222.
3399.	1.641	34.678	127.49	1.381	27.760	222.
3399.	1.641	34.676	127.70	1.382	27.759	222.
3525.	1.641	34.677	129.17	1.368	27.760	222.

CAST CG3-94-DI -176 LAT 15 00.0N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	28.024	33.885	201.41	28.022	21.551	222.
25.	27.585	33.923	203.14	27.579	21.724	226.
50.	26.954	34.083	210.32	26.942	22.048	222.
73.	25.595	34.256	208.90	25.579	22.604	222.
99.	20.497	34.284	151.83	20.479	24.090	322.
125.	15.718	34.389	60.91	15.698	25.347	232.
148.	14.012	34.688	1.73	13.991	25.948	222.
173.	12.823	34.769	1.65	12.799	26.255	222.
198.	12.513	34.780	0.64	12.487	26.325	222.
199.	12.515	34.780	0.60	12.488	26.325	222.
250.	11.576	34.738	1.20	11.545	26.472	222.
299.	10.991	34.714	1.23	10.954	26.562	222.
399.	9.641	34.633	0.98	9.595	26.734	222.
499.	8.204	34.569	1.48	8.152	26.912	222.
599.	7.265	34.547	1.36	7.206	27.033	222.
700.	6.316	34.533	1.44	6.252	27.151	222.
800.	5.670	34.532	1.90	5.600	27.233	222.
901.	5.136	34.537	4.67	5.061	27.301	222.
1000.	4.698	34.543	9.11	4.617	27.357	222.
1101.	4.277	34.555	17.88	4.190	27.412	222.
1199.	3.941	34.564	25.07	3.849	27.455	222.
1397.	3.341	34.587	40.34	3.238	27.534	222.
1598.	2.958	34.604	53.57	2.842	27.583	222.
1799.	2.608	34.620	68.84	2.480	27.628	222.
1998.	2.297	34.636	82.87	2.156	27.668	222.
2195.	2.104	34.649	91.78	1.949	27.694	222.
2399.	1.955	34.656	100.47	1.785	27.713	226.
2600.	1.822	34.664	108.80	1.636	27.730	222.
2798.	1.735	34.670	116.36	1.532	27.743	222.
2997.	1.686	34.675	121.35	1.465	27.752	222.
3200.	1.648	34.677	125.69	1.408	27.757	226.
3399.	1.645	34.678	127.43	1.386	27.760	222.
3600.	1.646	34.678*	-9.00	1.366*	27.762*	351.
3599.	1.645	34.679	129.25	1.365	27.762	222.
3811.	1.624	34.680	132.74	1.322	27.766	222.

CAST CG3-94-DI -177 LAT 15 29.8N LONG 109 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	27.606	33.953	202.67	27.604	21.738	222.
25.	27.423	33.921	203.08	27.417	21.774	222.
49.	26.625	34.043	208.18	26.614	22.121	222.
74.	24.040	34.311	189.81	24.024	23.115	222.
100.	17.627	34.324	96.24	17.610	24.850	322.
126.	15.478	34.443	49.43	15.459	25.442	222.
148.	13.744	34.667	7.48	13.723	25.988	222.
174.	12.908	34.765	1.39	12.885	26.234	222.
200.	12.067	34.754	0.71	12.041	26.391	222.
249.	11.292	34.726	0.77	11.261	26.515	222.
299.	10.710	34.696	0.93	10.674	26.598	222.
349.	10.098	34.658	0.83	10.057	26.676	222.
400.	9.557	34.628	1.38	9.511	26.744	222.
499.	8.147	34.570	0.47	8.095	26.922	222.
599.	7.114	34.542	1.10	7.056	27.050	222.
700.	6.345	34.537	0.99	6.281	27.151	222.
800.	5.587	34.535	2.01	5.518	27.245	222.
898.	4.965	34.540	5.63	4.891	27.323	222.
1000.	4.542	34.548	11.28	4.462	27.378	322.
1100.	4.211	34.558	16.46	4.125	27.422	222.
1198.	3.864	34.570	23.51	3.772	27.467	226.
1299.	3.531	34.579	34.69	3.434	27.508	222.
1397.	3.312	34.589	40.80	3.209	27.537	222.
1498.	3.138	34.597	46.66	3.028	27.561	222.
1598.	2.888	34.609	55.84	2.774	27.594	222.
1799.	2.547	34.624	70.18	2.419	27.636	222.
1999.	2.235	34.641	84.89	2.095	27.677	222.
2248.	2.003	34.653	96.16	1.845	27.706	222.
2499.	1.866	34.661	106.07	1.689	27.724	222.
2751.	1.751	34.668	114.42	1.552	27.740	222.
2999.	1.693	34.673	121.02	1.472	27.750	226.
3239.	1.667	34.675	124.37	1.423	27.755	222.
3501.	1.647	34.679	127.93	1.377	27.761	226.
3500.	1.646	34.677	128.26	1.377	27.760	222.
3788.	1.669	34.678	130.80	1.368	27.761	222.

* Calculated from CTD values

CAST CG3-94-DI -178 LAT 16 00.1N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	27.006	34.189	209.50	27.005	22.108	222.
8.	26.810	34.206	209.29	26.808	22.183	222.
25.	25.176	34.498	215.30	25.170	22.912	222.
48.	24.161	34.503	216.98	24.151	23.222	222.
73.	21.474	34.338	207.46	21.460	23.866	232.
101.	16.778	34.254	108.38	16.762	24.999	222.
125.	14.833	34.482	34.80	14.814	25.614	222.
149.	13.401	34.678	6.43	13.380	26.067	222.
175.	12.466	34.745	0.69	12.443	26.306	222.
200.	12.126	34.739*	-9.00	12.100*	26.368*	251.
251.	11.262	34.706	0.63	11.230	26.505	222.
301.	10.797	34.693	0.78	10.760	26.580	222.
349.	9.981	34.649	0.62	9.940	26.688	222.
400.	9.168	34.616	0.59	9.124	26.798	222.
449.	8.526	34.579	0.55	8.478	26.871	226.
499.	7.875	34.553	1.82	7.824	26.949	222.
600.	6.785	34.537	0.55	6.728	27.092	222.
683.	6.104	34.531	0.95	6.043	27.177	222.
800.	5.378	34.533	2.94	5.310	27.268	222.
903.	4.947	34.538	5.61	4.873	27.324	222.
998.	4.473	34.547	12.16	4.394	27.384	222.
1100.	4.092	34.556	19.83	4.007	27.433	222.
1300.	3.616	34.576	30.44	3.518	27.498	222.
1500.	3.074	34.599	48.62	2.965	27.569	222.
1699.	2.721	34.616	62.90	2.600	27.615	226.
1901.	2.348	34.633	79.17	2.215	27.661	222.
2099.	2.096	34.647	90.38	1.950	27.693	222.
2298.	1.933	34.657	100.74	1.772	27.715	222.
2499.	1.803	34.665	109.54	1.626	27.732	222.
2699.	1.743	34.671	114.33	1.549	27.742	222.
2897.	1.697	34.672	119.07	1.486	27.748	222.
3099.	1.682	34.674	121.62	1.452	27.752	222.
3099.	1.682	34.674	-9.00	1.452	27.752	221.
3307.	1.678	34.676	123.38	1.427	27.755	222.
3307.	1.679	34.675	123.63	1.428	27.755	222.

* Calculated from CTD values

CAST CG3-94-DI -179 LAT 16 29.9N LONG 110 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	27.012	34.215	203.50	27.010	22.125	222.
24.	25.367	34.474	213.92	25.362	22.835	232.
49.	23.241	34.417	214.21	23.231	23.426	222.
76.	19.196	34.378	118.91	19.182	24.500	222.
100.	16.440	34.295	82.03	16.424	25.109	222.
124.	14.544	34.608	15.08	14.526	25.773	222.
150.	13.368	34.731	0.46	13.347	26.115	222.
174.	12.613	34.763	0.93	12.590	26.291	222.
199.	12.164	34.763	0.66	12.138	26.379	222.
248.	11.365	34.728	0.57	11.334	26.503	222.
299.	10.571	34.680	0.50	10.535	26.610	226.
350.	9.802	34.635	0.65	9.762	26.707	222.
400.	9.071	34.596	0.48	9.027	26.798	222.
451.	8.533	34.583	0.21	8.485	26.873	222.
501.	7.921	34.557	0.53	7.870	26.946	322.
599.	6.887	34.533	0.52	6.830	27.074	222.
702.	5.937	34.525	1.02	5.875	27.193	222.
801.	5.229	34.532	2.71	5.163	27.285	222.
901.	4.804	34.537	6.96	4.731	27.339	222.
1001.	4.354	34.546	12.49	4.275	27.396	222.
1101.	3.990	34.557	21.12	3.906	27.444	222.
1202.	3.720	34.568	28.73	3.630	27.480	222.
1400.	3.234	34.589	43.10	3.132	27.545	222.
1599.	2.798	34.609	58.47	2.684	27.602	222.
1800.	2.488	34.627	71.59	2.362	27.643	222.
1999.	2.203	34.641	86.89	2.063	27.679	222.
2199.	1.973	34.653	97.15	1.820	27.708	222.
2399.	1.844	34.661	105.43	1.676	27.725	222.
2602.	1.765	34.666	111.53	1.579	27.736	226.
2799.	1.718	34.669	114.83	1.515	27.743	222.
3000.	1.703	34.671	117.74	1.482	27.747	222.
3197.	1.699	34.673	120.30	1.459	27.751	222.
3399.	1.709	34.675	121.34	1.447	27.753	222.
3399.	1.708	34.674	121.45	1.447	27.752	226.
3481.	1.715	34.674	121.68	1.446	27.753	222.

CAST CG3-94-DI -180 LAT 17 00.0N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	27.326	34.082	203.88	27.324	21.925	222.
25.	26.905	34.067	205.29	26.899	22.049	222.
49.	24.965	34.517	213.31	24.955	22.992	222.
75.	23.869	34.492	213.80	23.853	23.302	222.
99.	18.390	34.438	69.23	18.373	24.751	222.
124.	15.402	34.453	42.70	15.383	25.466	236.
149.	13.492	34.745	0.60	13.471	26.100	222.
174.	12.797	34.759	0.68	12.774	26.252	222.
199.	12.199	34.757	0.73	12.172	26.368	222.
249.	11.524	34.738	0.62	11.492	26.481	222.
299.	10.777	34.696	1.61	10.741	26.586	222.
349.	9.835	34.638	0.40	9.795	26.705	222.
399.	9.129	34.601	0.84	9.085	26.792	222.
501.	7.601	34.541	0.60	7.551	26.980	222.
600.	6.653	34.530	0.74	6.597	27.103	226.
699.	5.946	34.530	1.04	5.884	27.196	222.
801.	5.253	34.531	2.54	5.186	27.282	222.
899.	4.833	34.536	5.79	4.760	27.335	222.
999.	4.406	34.546	11.49	4.327	27.390	222.
1099.	4.005	34.557	20.59	3.921	27.442	222.
1199.	3.683	34.569	28.96	3.594	27.485	222.
1301.	3.441	34.585	34.82	3.345	27.521	222.
1400.	3.215	34.595	42.95	3.113	27.552	222.
1599.	2.805	34.611	57.83	2.691	27.602	222.
1800.	2.473	34.627	72.04	2.347	27.645	222.
1999.	2.193	34.642	85.69	2.054	27.681	222.
2200.	2.007	34.653	95.86	1.853	27.705	222.
2401.	1.862	34.661	104.58	1.693	27.724	322.
2600.	1.774	34.665	110.50	1.589	27.735	222.
2799.	1.718	34.669	115.10	1.516	27.744	222.
2998.	1.699	34.672	117.96	1.479	27.749	222.
3199.	1.692	34.674	120.53	1.451	27.752	222.
3401.	1.701	34.676	121.59	1.440	27.754	222.
3400.	1.701	34.675	121.97	1.440	27.753	222.
3551.	1.711	34.674	122.62	1.434	27.754	226.

CAST CG3-94-DI -181 LAT 17 30.1N LONG 109 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	26.786	34.175	206.28	26.784	22.167	222.
23.	25.959	34.416	209.29	25.954	22.609	222.
49.	24.929	34.512	213.02	24.918	22.999	222.
74.	23.204	34.438	215.42	23.189	23.455	222.
99.	18.768	34.242	126.95	18.750	24.506	232.
123.	15.266	34.529	31.50	15.247	25.555	222.
149.	14.020	34.713	0.48	13.998	25.966	222.
174.	13.321	34.760	0.61	13.297	26.148	226.
200.	12.660	34.765	1.07	12.633	26.284	222.
250.	11.662	34.741	0.69	11.630	26.458	222.
295.	10.972	34.707	4.67	10.936	26.559	222.
330.	10.531	34.680	1.32	10.492	26.618	222.
399.	9.611	34.629	0.44	9.566	26.736	222.
501.	8.020	34.554	2.08	7.968	26.928	222.
599.	6.925	34.530	1.18	6.868	27.067	222.
699.	6.002	34.525	1.42	5.940	27.185	222.
798.	5.367	34.529	2.80	5.299	27.267	222.
898.	4.935	34.538	4.09	4.861	27.325	222.
1000.	4.453	34.545	10.57	4.374	27.385	222.
1099.	4.115	34.554	17.08	4.030	27.428	222.
1198.	3.751	34.567	24.91	3.661	27.476	226.
1301.	3.462	34.581	33.17	3.366	27.516	222.
1401.	3.220	34.592	40.91	3.118	27.549	222.
1600.	2.742	34.613	59.34	2.629	27.610	222.
1801.	2.422	34.629	75.05	2.296	27.650	226.
1999.	2.198	34.642	85.20	2.059	27.680	222.
2200.	1.984	34.654	96.88	1.831	27.708	222.
2402.	1.864	34.660	104.29	1.695	27.723	222.
2600.	1.776	34.665	-9.00	1.591	27.735	221.
2801.	1.721	34.669	116.17	1.518	27.743	222.
3001.	1.694	34.673	118.32	1.472	27.750	222.
3199.	1.688	34.674	120.72	1.448	27.753	222.
3400.	1.700	34.676	121.33	1.439	27.755	222.
3400.	1.700	34.675	121.69	1.439	27.754	222.
3514.	1.710	34.675	121.75	1.437	27.754	222.

CAST CG3-94-DI -182 LAT 18 00.0N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	25.519	34.574	209.89	25.517	22.863	222.
9.	25.515	34.573	210.00	25.513	22.863	222.
24.	25.340	34.556	210.98	25.334	22.905	222.
48.	24.782	34.527	213.74	24.772	23.054	222.
74.	23.163	34.367	214.37	23.147	23.412	226.
98.	18.560	34.168	156.58	18.543	24.501	222.
124.	14.821	34.241	83.39	14.803	25.430	222.
150.	13.608	34.480	36.70	13.586	25.872	232.
201.	12.374	34.719*	1.29	12.348*	26.304*	252.
252.	11.472	34.705*	0.18	11.440*	26.466*	252.
300.	10.669	34.665	0.55	10.633	26.581	222.
351.	9.745	34.625	0.59	9.705	26.709	222.
399.	9.057	34.592	1.38	9.013	26.797	222.
500.	7.709	34.530	0.83	7.658	26.956	222.
599.	6.629	34.519	1.47	6.574	27.098	322.
694.	5.943	34.521	1.47	5.882	27.189	222.
802.	5.364	34.525	2.62	5.296	27.264	222.
902.	4.858	34.529	6.34	4.785	27.327	222.
1001.	4.471	34.540	10.60	4.391	27.378	322.
1100.	4.089	34.555	16.19	4.005	27.432	222.
1200.	3.781	34.569	23.31	3.690	27.475	222.
1298.	3.480	34.580	32.66	3.384	27.514	226.
1401.	3.253	34.588	39.51	3.150	27.542	222.
1487.	3.042	34.597	47.65	2.935	27.570	222.
1600.	2.802	34.610	56.31	2.688	27.602	222.
1801.	2.470	34.628	71.57	2.343	27.646	222.
1999.	2.205	34.642	84.16	2.065	27.680	222.
2200.	1.995	34.653	95.74	1.841	27.706	222.
2400.	1.873	34.661	103.84	1.704	27.723	222.
2598.	1.803	34.666	108.51	1.617	27.733	226.
2799.	1.739	34.668	113.57	1.536	27.741	222.
3000.	1.703	34.671*	117.07	1.482*	27.748*	252.
3202.	1.703	34.674	118.93	1.462	27.751	222.
3200.	1.703	34.674	119.27	1.462	27.751	222.
3298.	1.705	34.675	119.56	1.454	27.752	222.

CAST CG3-94-DI -183 LAT 18 30.0N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	25.401	34.368	209.39	25.399	22.744	222.
25.	25.206	34.551	211.73	25.200	22.943	222.
50.	24.029	34.502	215.99	24.019	23.261	222.
75.	22.209	34.397	217.11	22.194	23.707	222.
102.	17.123	34.126	137.89	17.106	24.819	222.
123.	14.336	34.448	41.11	14.318	25.694	232.
151.	13.221	34.676	4.61	13.200	26.103	222.
170.	12.854	34.697	3.31	12.831	26.193	222.
195.	12.263	34.711	1.28	12.238	26.320	222.
249.	11.234	34.695	0.20	11.203	26.502	222.
299.	10.613	34.670	0.45	10.577	26.595	222.
349.	9.752	34.625	0.43	9.712	26.708	222.
401.	9.023	34.595	1.34	8.979	26.805	226.
498.	7.701	34.537	1.59	7.651	26.962	222.
599.	6.791	34.527	0.62	6.734	27.083	222.
702.	6.073	34.530	1.34	6.011	27.180	222.
800.	5.301	34.530	2.46	5.234	27.275	222.
901.	4.740	34.534	6.50	4.667	27.344	222.
1000.	4.255	34.545	-9.00	4.177	27.406	221.
1100.	3.978	34.556	17.71	3.894	27.444	222.
1198.	3.763	34.564	22.01	3.673	27.473	222.
1300.	3.624	34.571	25.66	3.526	27.493	222.
1400.	3.464	34.579	30.46	3.359	27.515	222.
1600.	2.926	34.603	51.72	2.810	27.585	222.
1800.	2.561	34.620	66.49	2.434	27.632	222.
1997.	2.204	34.640	84.20	2.065	27.678	222.
2199.	2.011	34.651	95.04	1.858	27.703	222.
2398.	1.872	34.659	105.51	1.703	27.721	222.
2598.	1.798	34.663	108.97	1.612	27.731	226.
2799.	1.751	34.666	112.41	1.548	27.739	222.
3002.	1.720	34.670	116.18	1.498	27.745	222.
3199.	1.706	34.673	117.77	1.465	27.751	222.
3398.	1.711	34.675	120.40	1.450	27.753	222.
3399.	1.711	34.675	120.64	1.450	27.753	222.
3471.	1.718	34.675	120.53	1.450	27.753	222.

* Calculated from CTD values

CAST CG3-94-DI -184 LAT 19 00.0N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	24.173	34.610	215.02	24.171	23.298	222.
23.	23.600	34.600	218.50	23.595	23.459	222.
49.	22.120	34.381	222.53	22.110	23.718	226.
75.	19.190	34.127	194.70	19.176	24.310	232.
100.	15.306	34.417	52.90	15.291	25.459	222.
124.	13.890	34.556	21.94	13.872	25.871	222.
149.	13.038	34.650	12.69	13.018	26.119	222.
175.	12.703	34.727	1.87	12.679	26.245	222.
200.	12.177	34.730	0.60	12.151	26.351	222.
226.	11.946	34.744	0.59	11.917	26.407	222.
250.	11.582	34.723	0.78	11.550	26.459	222.
299.	10.728	34.667	0.51	10.692	26.572	222.
351.	9.908	34.635	2.44	9.867	26.690	222.
401.	9.279	34.592	0.86	9.234	26.761	226.
500.	7.959	34.549	0.88	7.908	26.934	222.
599.	6.738	34.515	1.06	6.682	27.081	222.
700.	5.896	34.514	1.51	5.835	27.190	222.
801.	5.300	34.521	3.19	5.233	27.269	222.
899.	4.817	34.528	6.83	4.744	27.330	222.
1001.	4.384	34.538	11.77	4.305	27.387	222.
1101.	4.034	34.554	17.96	3.949	27.437	222.
1200.	3.724	34.567	25.92	3.634	27.479	222.
1299.	3.424	34.578	34.86	3.328	27.517	222.
1400.	3.214	34.587	40.36	3.112	27.545	222.
1600.	2.805	34.607	54.36	2.691	27.599	222.
1800.	2.449	34.624	69.61	2.323	27.644	222.
1999.	2.102	34.642	87.33	1.964	27.688	222.
2198.	1.929	34.653	98.36	1.776	27.711	222.
2395.	1.831	34.660	105.96	1.663	27.725	222.
2600.	1.760	34.664	111.53	1.575	27.735	222.
2799.	1.721	34.669	114.40	1.519	27.743	222.
3000.	1.704	34.671	116.93	1.483	27.748	222.
3200.	1.702	34.675	118.82	1.461	27.752	222.
3199.	1.702	34.673	119.24	1.461	27.750	226.
3413.	1.717	34.674	119.91	1.454	27.752	222.

CAST CG3-94-DI -185 LAT 19 30.0N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	23.939	34.601	215.31	23.937	23.360	222.
9.	24.080	34.613	214.99	24.079	23.327	226.
23.	23.409	34.554	219.12	23.404	23.480	222.
49.	22.082	34.460	222.01	22.073	23.789	222.
73.	17.266	34.044	155.41	17.254	24.721	222.
99.	14.866	34.399	58.47	14.851	25.542	222.
123.	13.592	34.618	21.11	13.575	25.981	222.
147.	13.098	34.739	4.71	13.078	26.176	222.
174.	12.503	34.761	0.61	12.480	26.311	222.
199.	12.090	34.750	0.85	12.064	26.383	222.
250.	11.227	34.708	1.07	11.196	26.513	222.
299.	10.345	34.650	0.62	10.309	26.626	222.
346.	9.529	34.611	1.43	9.490	26.734	222.
399.	8.597	34.549	1.53	8.554	26.835	222.
501.	7.541	34.526	2.19	7.491	26.977	222.
601.	6.631	34.516	1.56	6.575	27.096	222.
698.	5.886	34.513	1.57	5.824	27.190	222.
801.	5.208	34.522	3.47	5.141	27.280	222.
900.	4.703	34.531	7.66	4.631	27.346	222.
1000.	4.315	34.542	12.49	4.237	27.397	222.
1098.	4.021	34.554	17.86	3.936	27.438	226.
1201.	3.724	34.567	24.29	3.634	27.479	222.
1299.	3.471	34.575	30.23	3.375	27.511	222.
1400.	3.190	34.589	39.67	3.089	27.549	222.
1600.	2.778	34.610	55.96	2.665	27.603	222.
1799.	2.425	34.626	71.22	2.300	27.648	222.
2000.	2.149	34.641	83.98	2.010	27.683	222.
2198.	1.929	34.653	97.72	1.776	27.711	222.
2401.	1.817	34.661	105.74	1.649	27.727	222.
2601.	1.766	34.664	109.58	1.581	27.735	222.
2799.	1.700	34.672	115.62	1.498	27.747	226.
2997.	1.669	34.671	117.04	1.448	27.750	222.
3200.	1.676	34.671*	-9.00	1.436*	27.751*	351.
3200.	1.676	34.672	117.73	1.436	27.751	222.
3281.	1.683	34.671	117.82	1.434	27.751	222.

* Calculated from CTD values

CAST CG3-94-DI -186 LAT 20 00.1N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	23.310	34.667	217.33	23.308	23.593	222.
25.	22.293	34.476	223.33	22.288	23.740	226.
49.	21.462	34.467	213.78	21.452	23.966	222.
73.	16.505	34.133	121.13	16.494	24.969	232.
99.	14.019	34.313	66.42	14.005	25.656	222.
126.	13.646	34.652	22.03	13.628	25.996	222.
151.	13.084	34.758	0.80	13.064	26.193	222.
177.	12.469	34.762	0.31	12.446	26.319	222.
199.	11.991	34.746	0.26	11.965	26.399	222.
249.	11.241	34.706*	0.12	11.210*	26.509*	252.
298.	10.293	34.645	1.12	10.258	26.631	222.
347.	9.662	34.613	0.85	9.622	26.714	222.
400.	8.798	34.561	2.20	8.755	26.814	222.
500.	7.414	34.518	2.31	7.365	26.988	222.
600.	6.501	34.511	1.74	6.446	27.109	232.
701.	5.909	34.521	1.59	5.847	27.194	222.
800.	5.309	34.521	2.98	5.242	27.268	222.
901.	4.766	34.531	6.53	4.693	27.339	222.
997.	4.445	34.540	10.81	4.366	27.382	322.
1100.	3.981	34.556	18.70	3.897	27.444	222.
1200.	3.689	34.568	25.56	3.599	27.483	222.
1300.	3.453	34.577	32.15	3.357	27.514	222.
1402.	3.194	34.590	40.63	3.092	27.549	222.
1499.	2.953	34.599	48.93	2.846	27.579	222.
1600.	2.736	34.610	57.22	2.623	27.608	222.
1693.	2.568	34.620	64.02	2.449	27.630	222.
1800.	2.403	34.626	71.19	2.278	27.649	226.
1901.	2.270	34.633	77.92	2.138	27.667	222.
2001.	2.102	34.641	87.22	1.964	27.687	222.
2099.	2.011	34.648	92.37	1.866	27.701	222.
2201.	1.910	34.654	99.75	1.758	27.714	222.
2299.	1.824	34.661	104.48	1.665	27.726	222.
2400.	1.782	34.664	107.51	1.615	27.732	222.
2399.	1.781	34.662	107.82	1.614	27.731	222.
2589.	1.728	34.667	111.54	1.545	27.740	222.

CAST CG3-94-DI -187 LAT 20 30.0N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	24.076	34.792	214.28	24.074	23.464	222.
25.	24.067	34.784	214.77	24.062	23.461	222.
48.	21.364	34.621	214.31	21.354	24.110	222.
75.	18.295	34.591	82.11	18.283	24.890	222.
100.	14.463	34.581	29.87	14.448	25.769	222.
124.	13.813	34.658	19.09	13.795	25.966	222.
148.	13.092	34.725	4.50	13.072	26.166	222.
173.	12.579	34.728	3.54	12.556	26.271	226.
198.	12.249	34.741	1.02	12.223	26.345	222.
248.	11.445	34.717	0.35	11.413	26.480	222.
300.	10.529	34.667	0.85	10.493	26.607	222.
351.	9.624	34.607	0.62	9.584	26.716	222.
401.	8.849	34.568	1.97	8.805	26.811	222.
448.	8.142	34.533	1.41	8.096	26.893	222.
501.	7.578	34.524	0.99	7.528	26.970	222.
600.	6.490	34.499	1.65	6.435	27.101	222.
699.	5.769	34.501	2.89	5.709	27.195	222.
801.	5.172	34.513	4.38	5.105	27.277	222.
902.	4.696	34.527	7.72	4.624	27.343	222.
1001.	4.289	34.544	12.12	4.211	27.401	222.
1100.	3.993	34.555	17.60	3.909	27.442	226.
1199.	3.744	34.565	23.43	3.653	27.476	222.
1300.	3.440	34.578	32.36	3.344	27.516	222.
1401.	3.187	34.589	41.25	3.085	27.550	222.
1502.	3.013	34.597	46.97	2.905	27.572	222.
1602.	2.864	34.604	-9.00	2.749	27.592	221.
1800.	2.480	34.623	67.58	2.354	27.641	222.
1999.	2.139	34.639	84.34	2.001	27.683	222.
2198.	1.938	34.651	97.08	1.786	27.709	222.
2399.	1.823	34.660*	-9.00	1.655*	27.726*	351.
2600.	1.767	34.663	109.92	1.582	27.734	222.
2801.	1.730	34.667	112.81	1.527	27.741	222.
2996.	1.728	34.668	113.24	1.506	27.744	222.
2998.	1.728	34.667	113.69	1.506	27.743	222.
3134.	1.723	34.668	114.10	1.488	27.745	222.

* Calculated from CTD values

CAST CG3-94-DI -188 LAT 21 00.0N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	22.254	34.464	220.88	22.253	23.741	222.
24.	22.117	34.443	221.25	22.112	23.765	222.
50.	21.492	34.388	225.53	21.482	23.897	222.
75.	19.196	34.378	183.96	19.183	24.501	222.
100.	15.961	34.364	88.32	15.945	25.271	222.
123.	13.972	34.608	27.36	13.954	25.894	226.
150.	13.138	34.702	9.77	13.117	26.139	222.
174.	12.590	34.714	4.23	12.566	26.258	222.
198.	12.169	34.725	2.02	12.143	26.348	222.
251.	11.440	34.724	0.19	11.408	26.487	222.
300.	10.707	34.670	0.04	10.670	26.578	222.
350.	9.832	34.620	0.15	9.792	26.691	222.
401.	8.956	34.572	0.94	8.913	26.797	222.
500.	7.538	34.516	1.09	7.489	26.969	222.
600.	6.797	34.505	1.19	6.740	27.064	222.
698.	6.011	34.499	1.84	5.949	27.164	222.
800.	5.370	34.503	3.91	5.302	27.246	222.
902.	4.867	34.517	6.42	4.794	27.316	222.
1001.	4.434	34.529	10.89	4.355	27.374	226.
1102.	4.115	34.548	15.07	4.030	27.423	222.
1202.	3.740	34.563	22.64	3.649	27.474	222.
1300.	3.468	34.574	29.65	3.372	27.510	222.
1399.	3.260	34.587	36.14	3.158	27.541	222.
1500.	3.061	34.596	41.41	2.952	27.567	222.
1600.	2.869	34.605	50.66	2.755	27.592	222.
1800.	2.447	34.625	69.44	2.320	27.646	222.
1998.	2.175	34.639	82.56	2.036	27.680	226.
2201.	1.970	34.650	94.17	1.817	27.706	222.
2398.	1.843	34.659	102.33	1.674	27.723	222.
2601.	1.754	34.663	109.79	1.569	27.735	222.
2797.	1.690	34.668	114.52	1.489	27.745	222.
3000.	1.673	34.669	115.45	1.452	27.748	222.
3149.	1.676	34.672	115.77	1.440	27.751	222.
3149.	1.675	34.670	115.99	1.440	27.750	222.
3239.	1.681	34.671	116.23	1.437	27.750	222.

CAST CG3-94-DI -189 LAT 21 29.9N LONG 110 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	21.406	34.386	224.28	21.404	23.917	222.
23.	21.346	34.373	224.79	21.341	23.925	222.
48.	19.751	34.201	234.10	19.742	24.221	222.
75.	18.568	34.154	229.15	18.555	24.488	222.
98.	15.385	34.219	87.05	15.370	25.289	222.
124.	13.858	34.458	39.99	13.841	25.802	222.
149.	13.313	34.658	14.67	13.292	26.070	222.
174.	12.610	34.688	10.40	12.586	26.234	222.
198.	11.818	34.662	10.75	11.793	26.367	222.
251.	10.802	34.630	6.52	10.772	26.529	222.
300.	10.226	34.638	1.71	10.190	26.637	222.
350.	9.616	34.603	1.38	9.576	26.714	226.
398.	8.867	34.560	2.21	8.824	26.802	322.
499.	7.810	34.493	3.07	7.760	26.912	222.
601.	6.765	34.484	2.67	6.709	27.052	222.
701.	6.023	34.490	2.81	5.960	27.155	222.
798.	5.394	34.495	5.13	5.326	27.237	222.
900.	4.908	34.510	7.10	4.834	27.306	222.
1000.	4.532	34.531	9.79	4.453	27.365	222.
1100.	4.140	34.546	15.25	4.055	27.420	222.
1199.	3.780	34.560	22.57	3.690	27.468	226.
1296.	3.477	34.572	29.98	3.382	27.508	222.
1400.	3.201	34.586	37.87	3.099	27.545	222.
1500.	3.009	34.597	45.09	2.901	27.573	222.
1600.	2.842	34.605	51.57	2.728	27.594	222.
1800.	2.480	34.621	67.39	2.354	27.639	222.
2000.	2.183	34.639	82.34	2.044	27.679	222.
2198.	1.975	34.650	93.71	1.822	27.706	222.
2400.	1.850	34.658	101.65	1.681	27.722	222.
2600.	1.769	34.663	107.82	1.584	27.734	222.
2797.	1.705	34.668	112.91	1.503	27.743	226.
3001.	1.669	34.670	114.98	1.449	27.749	222.
3097.	1.668	34.672	114.88	1.438	27.751	222.
3099.	1.668	34.671	115.19	1.438	27.751	222.
3220.	1.662	34.671	115.60	1.420	27.752	222.

CAST CG3-94-DI -190 LAT 21 59.9N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
10.	20.719	34.316	227.12	20.718	24.051	222.
23.	20.690	34.318	226.65	20.685	24.061	222.
50.	18.846	34.098	239.85	18.837	24.374	222.
75.	18.267	34.123	233.75	18.254	24.539	222.
99.	15.281	34.623	75.77	15.266	25.624	242.
125.	13.611	34.564	29.57	13.593	25.935	222.
149.	12.457	34.531	32.71	12.437	26.141	222.
173.	12.019	34.676	8.56	11.996	26.339	222.
199.	11.648	34.686	4.72	11.623	26.417	222.
250.	10.846	34.651	3.50	10.816	26.537	222.
301.	10.022	34.586	-9.00	9.987	26.631	221.
350.	9.400	34.553	5.13	9.360	26.710	222.
399.	8.531	34.519	5.44	8.489	26.822	222.
500.	7.357	34.490	-9.00	7.308	26.974	221.
598.	6.541	34.487	4.19	6.486	27.085	226.
700.	5.843	34.487	3.45	5.782	27.175	222.
805.	5.223	34.501	5.82	5.156	27.262	222.
896.	4.825	34.517	7.37	4.752	27.321	222.
997.	4.426	34.535	11.94	4.347	27.379	222.
1103.	4.085	34.550	16.55	4.000	27.428	222.
1198.	3.819	34.557	22.17	3.728	27.462	222.
1400.	3.169	34.592	39.50	3.067	27.553	222.
1499.	3.074	34.597*	43.15	2.966*	27.567*	252.
1574.	2.931	34.603	42.38	2.818	27.585	222.
1616.	2.801	34.608*	-9.00	2.686*	27.601*	251.
1800.	2.483	34.314	67.97	2.357	27.393	242.
2001.	2.184	34.640	82.22	2.045	27.680	222.
2200.	1.932	34.654	95.52	1.779	27.712	322.
2401.	1.890	34.657	99.01	1.721	27.719	222.
2600.	1.856	34.660	101.01	1.670	27.725	222.
2799.	1.756	34.665	109.81	1.553	27.738	222.
2999.	1.686	34.670	114.16	1.465	27.748	222.
2999.	1.686	34.670	114.14	1.465	27.748	222.
3099.	1.668	34.672	115.33	1.438	27.751	222.
3174.	1.668	34.672*	115.69	1.431*	27.752*	256.

* Calculated from CTD values

CAST CG3-94-DI -191 LAT 22 29.7N LONG 109 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
7.	18.178	34.165	215.48	18.177	24.590	222.
25.	17.206	34.193	185.37	17.202	24.848	222.
50.	16.383	34.290	141.71	16.375	25.116	222.
74.	14.457	34.456	47.16	14.446	25.673	222.
100.	13.384	34.596	26.28	13.370	26.005	222.
149.	12.037	34.653	12.49	12.017	26.317	222.
199.	11.385	34.644	8.90	11.360	26.433	222.
251.	10.662	34.624	5.90	10.631	26.549	222.
303.	9.925	34.605	1.97	9.890	26.662	222.
400.	8.612	34.563	1.56	8.569	26.844	222.
503.	7.442	34.520	1.05	7.392	26.985	222.
601.	6.439	34.508	1.43	6.384	27.114	226.
699.	5.696	34.429	2.39	5.635	27.147	242.
799.	5.182	34.514	3.96	5.115	27.277	222.
899.	4.703	34.527	7.47	4.631	27.342	222.
1000.	4.434	34.535	10.74	4.355	27.379	222.
1200.	4.023	34.550	16.89	3.930	27.435	222.
1400.	3.363	34.583	32.81	3.260	27.528	222.
1601.	2.947	34.602	47.33	2.831	27.582	222.
1797.	2.526	34.622	64.78	2.399	27.636	226.
2001.	2.209	34.638	80.02	2.069	27.676	222.
2249.	2.001	34.651	90.60	1.843	27.704	222.
2502.	1.890	34.658	97.45	1.712	27.720	222.
2749.	1.823	34.664	103.04	1.623	27.731	222.
2749.	1.823	34.663	102.80	1.623	27.731	222.
3080.	1.730	34.668	110.21	1.501	27.744	222.

CAST CG3-94-DI -192 LAT 22 44.0N LONG 110 00.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
7.	16.903	34.318	143.36	16.902	25.015	222.
25.	15.929	34.349	112.88	15.925	25.265	222.
49.	14.067	34.463	44.77	14.060	25.760	222.
75.	13.314	34.634	21.75	13.303	26.048	226.
99.	13.056	34.664	17.18	13.042	26.125	222.
151.	12.305	34.717	6.43	12.285	26.315	222.
199.	11.813	34.713	4.08	11.787	26.407	222.
250.	10.923	34.668	1.83	10.892	26.537	222.
300.	10.160	34.629	0.98	10.125	26.642	222.
401.	8.538	34.555	2.31	8.496	26.849	222.
499.	7.466	34.516	1.37	7.417	26.979	222.
600.	6.503	34.502	1.52	6.448	27.102	222.
700.	6.037	34.509	1.85	5.975	27.168	222.
802.	5.409	34.510	3.59	5.341	27.247	222.
900.	4.857	34.523	6.35	4.783	27.322	222.
1004.	4.416	34.536	10.17	4.336	27.382	226.
1001.	4.428	34.536	10.14	4.349	27.380	222.
1002.	4.426	34.536	10.00	4.346	27.380	222.
1001.	4.421	34.536	10.11	4.342	27.381	222.
1001.	4.426	34.536	21.03	4.347	27.380	229.
1200.	3.810	34.561	34.07	3.719	27.465	229.
1401.	3.344	34.583	42.03	3.241	27.530	222.
1601.	3.084	34.596	-9.00	2.966	27.566	221.
1800.	2.634	34.617	61.19	2.506	27.623	226.
1799.	2.634	34.617	60.35	2.506	27.623	222.
2086.	2.149	34.642	83.59	2.003	27.685	222.

* Calculated from CTD values

CAST CG3-94-DI -193 LAT 22 47.8N LONG 110 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
9.	18.559	34.307	187.98	18.557	24.605	222.
24.	16.390	34.338	110.82	16.386	25.150	222.
46.	14.656	34.461	51.30	14.649	25.633	226.
75.	13.434	34.625	23.70	13.424	26.017	222.
98.	13.166	34.659	19.21	13.152	26.099	222.
151.	12.516	34.722	8.21	12.496	26.278	222.
199.	11.784	34.706	3.66	11.759	26.407	222.
251.	11.197	34.684	1.74	11.165	26.500	222.
298.	10.647	34.657	1.21	10.611	26.579	226.
403.	8.920	34.573	1.09	8.877	26.803	222.
501.	7.536	34.524	-9.00	7.486	26.976	221.
500.	7.516	34.524	1.14	7.466	26.978	222.
598.	6.838	34.515	1.11	6.781	27.067	222.
700.	6.283	34.508	1.86	6.219	27.136	222.
805.	5.515	34.513	3.49	5.446	27.236	222.
803.	5.504	34.511	3.50	5.435	27.236	222.
952.	4.472	34.535*	11.38	4.396*	27.375*	256.

CAST CG3-94-DI -194 LAT 22 51.1N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (UMOL/KG)	POT TEMP (C)	SIG-TH (KG/M3)	QUAL
8.	17.088	34.317	-9.00	17.087	24.970	221.
8.	17.025	34.316	153.84	17.024	24.984	226.
25.	15.719	34.380	117.29	15.716	25.336	222.
50.	14.541	34.499	47.54	14.534	25.688	222.
73.	14.166	34.559	36.24	14.155	25.815	222.
100.	13.770	34.646	25.13	13.756	25.965	226.
150.	12.747	34.720	9.48	12.727	26.231	222.
149.	12.746	34.719	9.47	12.726	26.231	222.
192.	11.948	34.702	4.55	11.923	26.373	222.
192.	11.940	34.702	4.71	11.915	26.375	222.

*U.S. GOVERNMENT PRINTING OFFICE 1996-0-774-018/40017