U.S. DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

HYDROGRAPHY OF THE NEW ENGLAND SHELF AND SLOPE: DATA REPORT FOR R/V OCEANUS CRUISE 130, NOVEMBER 1982

by

Bradford Butman[1], John A. Moody[1], and Sandra J. Conley[1]

Open-File Report 86-101

Prepared in cooperation with the
U.S. Minerals Management Service
under Interagency Agreement
14-12-0001-30180

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HYDROGRAPHY OF THE NEW ENGLAND SHELF AND SLOPE:

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INTRODUCTION

This report presents in graphical and tabular form hydrographic data obtained on R/V OCEANUS cruise 130, conducted between November 9-16, 1982. The hydrographic measurements (temperature, salinity, oxygen, and light transmission) were obtained primarily across the continental slope and upper rise (~lat 40°30' N.) south of New England between long 67°30' W. and long 68°30' W. as part of a study of currents and sediment transport in this region. During R/V OCEANUS 130, a total of 75 hydrographic profiles were obtained, 33 by means of a conductivity-temperature-depth (CTD) profiler and 42 by means of expendable bathythermographs (XBT's). Stations are numbered sequentially; station information is tabulated in table 1. The stations were arranged in ten sections spread about 20 km apart running across the shelf break from approximately the 100-m to 2,500-m isobath (fig. 1). The sections are numbered chronologically. Seven sections (3-9) crossed the northern edge of the warm eddy 82-H located southwest of Lydonia Canyon (fig. 1a)

OBJECTIVES

The survey was designed to: 1) map the hydrography across the continental slope and upper rise in and adjacent to four major submarine canyons (Welker, Oceanographer, Gilbert, and Lydonia), and 2) provide hydrographic sections to aid in interpretation of currents measured by U.S.G.S. instrument arrays (see Butman,1984 and fig.1) located at the head of Lydonia Canyon (mooring no. 258, 259, and 264), on the slope adjacent to Atlantis Canyons (mooring no. 270) and across the slope adjacent to Welker Canyon (mooring no. 267, 268 and 271) and to Lydonia Canyon (mooring no. 269). Sections 1, 2, 3, 9, and 10 were XBT sections with temperature only.

STATION PROCEDURES

At each XBT station, surface salinity and nutrient samples were obtained using a bucket sampler, and an XBT was released while the ship was underway. At each CTD, station the ship was stopped and a surface water sample was obtained using a bucket sampler for analysis of salinity and nutrients. All nutrient samples were immediately frozen for analysis on shore. The CTD was lowered and held at the surface while a 5-L Niskin bottle was attached 4 m above the top of the CTD unit and CTD surface readings, latitude, longitude and water depth were recorded in a log. The CTD was then lowered at approximately 30 m/min and stopped approximately 5 m above bottom to record the deepest readings and to send a messenger to close the Niskin bottle. After the Niskin bottle was closed and its depth recorded (approximate accuracy ±2 m), the CTD was raised at approximately 50 m/min and stopped at the surface. The Niskin bottle was removed and 1 water sample was collected for analysis of salinity, 1 sample for nutrients, 1-3 samples for measurement

of oxygen, and 1 sample for determination of suspended-matter concentration. These bottle samples were not obtained at all stations because of bottle malfunctions and bad weather. Deep samples of nutrients were obtained at 21 stations, suspended matter at 17 stations, oxygen at 10 stations, and salinity at 11 stations.

Analysis of nutrients (PO_4, SiO_4, NO_3, NO_2, NH_3) for surface water samples and for the 21 bottle samples were performed later by Z. Mlodzinska-Kijowski at the Woods Hole Oceanographic Institution (WHOI). Suspended-matter concentration was determined by filtering the seawater through paired 0.45 µm Millipore filters, air drying the filters, and weighing. The results are listed in tables 4 and 5. The oxygen and salinity samples were used as calibration checks on the CTD.

Meteorological observations obtained from the OCEANUS Deck Log are listed in tables 6 and 7.

INSTRUMENT DESCRIPTION

The CTD profiler (Neil Brown Instrument Systems, Mark III) was modified to also measure oxygen and light transmission. A scan of data (conductivity, temperature, pressure, oxygen current, oxygen temperature, and light transmission) was obtained 32 times each second. Conductivity was measured with a miniature four-electrode alumina ceramic cell. The temperature sensor was a platinum resistance thermometer (Rosemount Engineering Co., model 171-BJ) mounted in a temperature bridge with a reference resistor. Pressure was measured with a bonded wire strain gauge bridge (Standard Control, Inc., model no. 211-35-440). The dissolved oxygen was computed from an average measurement (1.024 s) of the current and internal temperature of a polargraphic membrane (Beckman model no. 147737). Light transmission was measured using a Sea Tech 25-cm path length transmissometer (Bartz and others, 1978) mounted horizontally inside the CTD cage. The light source was a light emitting diode with a wavelength of 660 nm and a beam diameter of 20 mm. All sensor ranges, accuracies, and resolutions from manufacturers' specifications are listed in table 2. For more detailed technical description of the CTD system see Brown and Morrison (1978), and for more detailed description of field performance see Fofonoff and others (1974).

Expendable bathythermographs or XBT's (Sippican Ocean Systems, models T-4, T-5, T-6, T-7, and T-10) were used to measure vertical temperature profiles. Systematic differences in XBT (models T-4 and T-7) and CTD profiles have been reported by Heinmiller and others (1983) from field data. They found mean temperature difference (XBT-CTD) of 0.19°C and 0.13°C for the T-4 and T-7 compared to the generally accepted accuracy of ~0.1°C (Georgi and others, 1980). They also found that the mean T-7 depth error was within the generally accepted depth accuracy of ±2% of the recorded depth (Stegen and others, 1975) but the T-4 XBT's exceeded this below ~200 m. The XBT data in this report were not corrected for these possible systematic errors.

The salinity of water samples collected during the CTD cast was measured by a salinometer (Guildline Autosal 8400) and oxygen by the Winkler chemical titrations method. The accuracies of both methods are listed in table 2.

Navigation was by a Northstar 6000 Loran-C, and latitude and longitude

were determined by the Northstar 5101 algorithm. The Northstar latitude/longitude grid in this region is offset from true latitude/longitude by about 0.92 km toward 294.5° (Butman and Moody, 1984). Water depth at each station was measured by means of a Gifft echo sounder.

INSTRUMENT CALIBRATION

Temperature time-lag

The platinum resistance thermometer time constant (Tlag = 0.125 s) was selected to minimize density inversions in regions of strong thermal gradients. Since the temperature sensor had the slowest response, an exponential recursive filter (Bendat and Piersol, 1971) was applied to the conductivity and pressure series to lag these variables to match the temperature (Millard, 1982). The digital form of the filter is:

$y(t) = y(t-dt) \cdot W0 + x(t) \cdot W1$
dt = CTD sampling time interval = 0.03125 s
y(t) is the filtered output of conductivity or pressure
y(t-dt) is the previous value
x(t) is the unfiltered input
$W0 = e^{-dt/Tlag}$
W1 = 1 - W0

A laboratory calibration of the CTD temperature was done on January 5, 1982 at the Woods Hole Oceanographic Institution. The temperature offset (calibration bath - CTD) was -0.0091°C.

Salinity

Salinity and sigma-t were calculated from conductivity, temperature, and pressure using algorithms given by Fofonoff and Millard (1983). Salinity values of the 11 deep-water samples collected during CTD casts were determined using a salinometer (see table 2 for accuracy). The 11 bottle salinities and the salinities computed from the CTD observations are listed in table 3. The mean difference (bottle-CTD) was -0.007 psu (practical salinity units; Lewis, 1980; Fofonoff and Millard, 1983) with a standard deviation of ±0.035 psu. The mean difference of the surface salinities for the 28 CTD stations was 0.013 psu with a standard deviation of ±0.032 psu. Some of the difference between the bottle and CTD values of salinity could be due to the choice of CTD reading to compare with the bottle sample. The bottle was located approximately 5 m above the CTD sensors. As described above, the station procedure was to lower the CTD to the maximum depth, close the bottle, and then raise the CTD. The CTD values of salinity and O_2 selected for comparison with the bottle samples were measured on the downcast (5 m above the bottom depth). The downcast readings and sample collection were often separated by several minutes, and thus the water collected in the bottle may differ from the water measured by the CTD. In addition, if there was a vertical gradient in the region of the bottle sample, ship heave, etc., could cause an error in the bottle value of salinity or oxygen. The error in salinity caused by a vertical gradient was estimated as the product of the salinity gradient (determined over 10 m centered at the expected bottle depth) times 2 dbar (a typical CTD or bottle excursion caused by ship motion). In many cases, the estimated error is of the same order as the measured error. No correction was

made to the salinities reported here to account for this small offset between bottle and CTD salinities.

A lab calibration of conductivity done on January 5, 1982 showed an offset (calibration bath - CTD) of 0.0065 mmho.

Oxygen

Oxygen was computed using an algorithm (Owens and Millard, 1984) which has six adjustable parameters (OXB, OCS, τ, tcor, WT, pcor) which are determined by comparison with water sample oxygen values. The oxygen algorithm is:

$$OX = (OXB + OCS\ (OC + \tau \frac{dOC}{dt})) \cdot OXSAT \cdot e^{tcor \cdot (t+WT(ot-t))} + pcor \cdot p$$

where:

OX	=	CTD dissolved oxygen value in ml/L
t	=	CTD water temperature in °C
p	=	CTD pressure in dbar
OC	=	CTD oxygen current in μA
ot	=	CTD oxygen probe internal temperature in °C
OXB	=	oxygen current bias
OCS	=	oxygen current slope in μA^{-1}
τ	=	oxygen diffusion time-lag constant in s
tcor	=	temperature correction factor ($°C^{-1}$) for membrane permeability
WT	=	weighting fraction of oxygen probe internal temperature
pcor	=	pressure correction factor ($dbar^{-1}$) for membrane permeability
OXSAT	=	oxygen saturation value in ml/L after Weiss (1970).

The deep-water samples from 12 CTD casts were measured by chemical titration for dissolved oxygen (Strickland and Parsons, 1972). In order to increase the number of measured oxygen values, it was assumed that the water was saturated at the surface and these 11 surface saturation values were included with the 11 deep oxygen values to give 22 calibration points. Due to the limited calibration values, the correction factors for membrane permeability (tcor and pcor) were fixed at -0.0353 and 1.15×10^{-4}, respectively based on values determined by R. C. Millard (pers. commun.,1985)

The oxygen diffusion time-lag constant τ (see Owens and Millard, 1984) is important only in regions of sharp changes in oxygen. These regions are usually small so that this parameter was initially ignored in the regression and determined later by trial and error.

The three parameters, OXB, OCS, and WT, were determined by a non-linear regression fit (SAS Institute, Inc., 1982) to the 22 calibration points giving values (± standard error) of: OXB = 0.04±0.06, OCS = 3.19±0.16, and WT = 0.68±0.09.

The remaining parameter τ was determined by creating plots of down and upcast with different values of τ. The final value of τ = 16.00 s was chosen to minimize the hysteresis in regions of sharp gradients and still retain detailed structure. Table 3 compares the measured and CTD-computed oxygen for

the 12 samples. The mean residual (measured - computed) is -0.02 ml/l with a standard deviation of ±0.20 ml/L. These residuals are similar to those obtained by Owens and Millard (1984) from stations in the North Atlantic and North Pacific. The estimated error in oxygen due to the uncertainty in the depth of the Niskin bottle was less than 0.07 ml/l (ΔO_2 in table 3) because the deep samples were collected in a region of weak oxygen gradient.

Light transmission

The beam attenuation coefficient, ATN (in m^{-1}) over a 100-cm path length, was computed from the measured transmissometer voltages (TR) using

$$ATN = -\frac{1}{0.25} \ln\left(\frac{TR}{TR_{cw}}\right)$$

where TR_{cw} is the voltage measured in clear water. TR_{cw} can be determined as 0.95 times the measured voltage in air or in a laboratory tank (see Moody and others, for method). The transmission sensor (SN 46) was calibated in the laboratory 8 months prior to the cruise and 10 months following the cruise, and air readings were made immediately before and after the cruise. Both sets of measurements gave TR_{cw} values of 4.44 v.

The computed beam attenuation coefficients when compared to values measured on a later cruise seemed anomalously high, suggesting a malfunction of the sensor. For example, the ATN ranged from 0.06 to 0.07 m^{-1} at 400 m at stations 15 and 27, occupied on R/V OCEANUS cruise 140 (OC 140) (Butman and others, 1985). In contrast at two stations less than a few miles away occupied on OC 130 (stations 43 and 74), the ATN was about 0.70 m^{-1}. It is difficult to accept these large attenuation coefficients because we expect suspended-matter concentrations at these depths on the slope to be relatively low and constant with time. In addition, measured suspended-matter concentrations in the slope water on both OC 130 and OC 140 were less than 0.10 mg/L.

The high beam attenuation coefficients may have been caused by a shift in TR_{cw}, a malfunction of the CTD digitizing unit, or a dirty transmissometer window. The beam attenuation coefficients are reported here with the caution that they may be high by as much as 0.5-0.7 m^{-1}, and that this offset may not be constant for all casts. We suspect that these errors were caused by dirty transmissometer windows.

Accuracy

Based on these calibrations, the CTD temperature and salinity data are accurate to ±0.01°C and 0.01 psu, respectively. The oxygen data are at least accurate to ±0.3 ml/l, and the changes in the attenuation coefficient are accurate to about ±0.04 m^{-1}. Because of the uncertainty in the normalization voltage for the transmissometer however, the attenuation coefficients may be offset (too high) by 0.5-0.7 m^{-1}.

DATA PROCESSING

The CTD data (pressure, temperature, conductivity, oxygen current, oxygen temperature, and light transmission) were recorded on both 9-track (9T)

magnetic tape (see Appendix II) and 1/4" FM tape. The data were processed ashore using the techniques described by Millard (1982). The original 9T data tapes were first checked for proper format and station sequence, and the data were transferred to disc storage. The data obtained on both upcast and downcast were subsampled (usually every 100 to 200 points) and listed and plotted to check instrument performance. Wild points were identified and replaced with the previous good value using range filters for each variable. The ranges were typically 1 variable unit except for transmission which was 0.05-0.10 volts. The conductivity and pressure data were time lagged to correct for the time constant of the temperature sensor (see above), and then filtered to obtain a monotonically increasing series in pressure. The data were bin averaged at 2-dbar intervals to within approximately 10 m of the bottom and then at 1-dbar intervals to the bottom to preserve any detailed structure near the sea floor. This averaged data were used to contour the hydrographic sections presented in this report.

The XBT data were recorded on a strip chart. The traces were digitized approximately every 2 m with a depth accuracy of ±1 m and a temperature accuracy of ±0.2°C. The XBT data were not averaged to 2-dbar intervals due to the small number of data points.

DATA PRODUCTS

Vertical sections

The hydrographic data are presented in several ways. Vertical sections are shown in figures 2-11. The sections are numbered as OC130-N, where N is the section number (see fig. 1 and column 1 of table 1). The station numbers for each section are labeled across the top with the station type (C = CTD or X = XBT) and surface value of the contoured variable printed below. The vertical scale (1 cm = 40 m) and horizontal scale (1 cm = 6.5 km) have a ratio of 1:162.5 and are the same for each section.

The contour interval for each variable is the same for all sections and every fifth contour is thicker. Because of the contouring algorithms used, these sections do not show much detail at vertical scales less than 10 m and are intended to give an overall picture of the hydrography.

The 2-dbar-averaged data were contoured using DISSPLA graphic subroutines (Integrated Software Systems Corp., 1981). These subroutines require data on a regularly spaced grid in both the horizontal and vertical. A regularly spaced vertical grid of 2N-1 grid lines, where N is the number of stations, was constructed for each hydrographic section. The leftmost and rightmost vertical grid lines were set at the first and last stations in the section. The spacing between the remaining vertical grid lines was determined by computing the sum of the great circle distance between successive stations along the trackline and dividing by 2N-2. The position of the equally spaced interior, vertical grid lines does not always correspond to a station location. Horizontal grid lines were spaced every 10 m.

Data values at each regularly spaced grid point were computed as a weighted average of the irregularly spaced data within a region 1 10-m cell vertically and usually 5 cells horizontally (2 on either side) from the grid point. The data were weighted by D^{-3} where D is the distance (in grid units)

between the location of the data values and the grid point. This smoothing removes some of the fine structure from the sections and may spread some of the frontal features.

The contouring algorithm has no provisions for terminating contours at the sea floor and requires data in a rectangle. For the sections in this data report, the left and right boundaries are the left and right vertical grid lines, the top boundary was the sea surface, and the bottom boundary was the deepest cast in the section. To speed contouring and to obtain reasonable contours at the sea floor, data were provided below the measurement depth by repeating the data measured at the greatest depth to a distance H into the bottom below the last measured value. Data below the distance H were taken from values observed at an adjacent deeper station, shifted upward or downward by a constant so that the values matched at the starting depth. In some cases the values from an adjacent station were inserted below the depth H without adjusting by a constant. The constant distance H ranged from 0 to 100 m and was adjusted for each station to make the contours meet the sea floor in as reasonable a way as possible. The shape and slope of the contours near the sea floor should be interpreted with care. Contours below the sea floor were deleted in the sections presented here.

The contouring algorithm used a linear interpolation between the adjacent regularly spaced points. The tension parameter, which controls the smoothness vs. straight line connection of points of equal value, was varied over its entire range between 1 and 10 and little difference was noted in the contours due to the high density of data points to control the contours.

Horizontal sections

Horizontal sections of temperature, salinity, sigma-t, oxygen, attenuation coefficient (figs. 12-21) and nutrients (PO_4, SiO_4, NO_3, and NH_3, figs. 22 and 23) were contoured for the 10, 50, 100, and 200 dbars pressure surfaces. The same DISSPLA contouring subroutines which require regularly spaced data were used.

The contoured area was a rectangle defined by the stations at the extreme southwest and northeast corners and had 5 grid lines running north-south and east-west for the variables of salinity, sigma-t, oxygen, attenuation coefficient, and each nutrient. There were more stations with temperature observations because of the XBT's and thus 6 grid lines were used in both directions for these horizontal sections. The position of the equally spaced interior grid lines does not always correspond to a station location. The XBT stations 4 and 5 were not used in contouring the temperature data because these stations were located away from most of the other stations and distorted the grid.

The sections at 10, 50, and 100 dbars were all drawn using the computer contouring subroutines. The limited data and the complicated 200-m isobath made computer contouring of the 200-dbar data awkward; these sections were contoured by hand.

TS diagrams

Plots of temperature versus salinity (TS plots in figs. 24-31) were

organized by section (see column 1 of table 1). The TS plots for the stations in sections 4 and 5 were plotted on two separate graphs for clarity. The symbol for each station was plotted every 20 dbar and the 100- and 200-dbar points have been annotated.

Station profiles

Plots of temperature, salinity, sigma-t, oxygen, light attenuation coefficient and Brunt-Vaisala frequency

$$N = g/\rho \frac{\partial \rho}{\partial z}$$

where ρ = water density and g is gravity, as a function of pressure at each station are shown in figures 32-109. For the Brunt-Vaisala frequency, density was determined using the 1980 equation of state (Millero and others, 1980), and the gradient of the specific volume anomaly was estimated from a least squares fit of a straight line to nine observations centered (±8 dbar) about the specified depth. The Brunt-Vaisala frequency was not computed for the first and last four depths; the magnitudes of N listed at these depths are the same as the Brunt-Vaisala frequency for the fifth and fifth to last depth, respectively. The different symbols used to distinguish variables are shown on each variable axis. XBT profiles have been limited to 500 m. The units of salt are practical salinity units (psu) and are defined by Lewis (1980).

Data listing

A listing of the 2-dbar-averaged data is contained in Appendix I. For the data listings, time is in Eastern Standard Time, ATN is the beam attenuation coefficient, SIGT is the density anomaly sigma-t, N is the Brunt-Vaisala frequency, DYHT A is the dynamic height anomaly, and S SPD is the speed of sound in seawater computed using a Fortran subroutine given in Fofonoff and Millard (1983). For pressures greater than 500 dbar, the 2-dbar-averaged data are listed at 20-dbar intervals. This data has been submitted to the U.S. National Oceanographic Data Center (NODC).

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Table 1. - Hydrographic stations R/V OCEANUS Cruise 130, November 9-15, 1982.

Section	Station	Date	Time[1]	Latitude[2] (N.)	Longitude (W.)	Water depth (m)	Type
1	1	11/09	1800	40°02.56'	70°11.32'	335	XBT
1	2	11/09	1825	39°57.99'	70°08.90'	293	XBT
1	3	11/09	2245	39°53.18'	70°03.00'	640*	XBT
2	4	11/10	2059	39°55.04'	68°29.82'	2,377**	XBT
2	5	11/10	2125	39°59.70'	68°31.48'	2,194**	XBT
2	6	11/10	2156	40°05.04'	68°33.22'	731**	XBT
2	7	11/10	2225	40°10.08'	68°34.07'	175**	XBT
3	8	11/12	1433	40°36.08'	67°44.74'	90	XBT
3	9	11/12	1458	40°33.45'	67°44.30'	111	XBT
3	10	11/12	1511	40°32.01'	67°43.89'	207	XBT
3	11	11/12	1521	40°31.76'	67°42.90'	260	XBT
3	12	11/12	1548	40°31.54'	67°42.84'	275	XBT
3	13	11/12	1602	40°29.97'	67°42.37'	355	XBT
3	14	11/12	1612	40°28.87'	67°41.45'	355	XBT
3	15	11/12	1630	40°26.41'	67°39.82'	560	XBT
3	16	11/12	1703	40°23.65'	67°40.00'	660†	XBT
3	17	11/12	--	40°20.30'	67°41.20'	1025†	XBT
3	18	11/12	1745	40°19.60'	67°42.39'	380†	XBT
4	19	11/13	1200	40°39.55'	67°34.42'	85	CTD
4	20	11/13	1240	40°36.55'	67°33.80'	100	XBT
4	21	11/13	1257	40°34.89'	67°33.81'	100	CTD
4	22	11/13	1351	40°32.06'	67°32.66'	127	CTD
4	23	11/13	1447	40°28.71'	67°31.77'	138	CTD
4	24	11/13	1537	40°25.72'	67°30.85'	175	CTD
4	25	11/13	1630	40°22.72'	67°29.87'	355	CTD
4	26	11/13	1720	40°19.97'	67°29.19'	1,035	XBT
4	27	11/13	1756	40°17.18'	67°28.25'	1,371**	CTD
5	28	11/13	2020	40°15.03'	67°37.79'	1,215	CTD
5	29	11/13	2202	40°18.09'	67°40.08'	1,200†	XBT
5	30	11/13	2240	40°20.42'	67°41.18'	985	CTD
5	31	11/14	0102	40°23.80'	67°40.09'	630	CTD
5	32	11/14	0232	40°26.83'	67°39.64'	530	CTD
5	33	11/14	0406	40°29.95'	67°42.45'	345	CTD
5	34	11/14	0455	40°31.51'	67°42.88'	305	CTD
5	35	11/14	0548	40°32.41'	67°44.44'	142	CTD
5	36	11/14	0630	40°33.85'	67°44.87'	103	CTD
5	37	11/14	0709	40°36.73'	67°45.62'	85	XBT
5	38	11/14	0736	40°39.04'	67°46.09'	81	CTD

[1] Time is Eastern Standard Time.
[2] Latitudes and longitudes computed using Northstar-6000 5101 algorithm.
* Estimated from NOAA chart 12300.
** Estimated from NOAA chart 13200.
† From Butman and Moody (1984).

Table 1. - Hydrographic stations R/V OCEANUS Cruise 130, November 9-15, 1982--Continued.

Section	Station	Date	Time[1]	Latitude[2] (N.)	Longitude (W.)	Water depth (m)	Type
6	39	11/14	1157	40°32.38'	67°49.85'	100	CTD
6	40	11/14	1252	40°28.29'	67°48.57'	132	CTD
6	41	11/14	1343	40°24.86'	67°47.39'	148	CTD
6	42	11/14	1442	40°21.97'	67°46.49'	170	CTD
6	43	11/14	1527	40°19.35'	67°45.69'	395	CTD
6	44	11/14	1609	40°16.55'	67°44.95'	~800	XBT
7	45	11/14	1642	40°15.67'	67°51.87'	~1,300	XBT
7	46	11/14	1715	40°14.78'	67°59.08'	640	XBT
7	47	11/14	1741	40°17.25'	67°59.27'	305	CTD
7	48	11/14	1835	40°20.94'	67°59.66'	140	CTD
7	49	11/14	1925	40°24.53'	67°59.88'	145	CTD
7	50	11/14	2028	40°28.38'	68°00.40'	132	CTD
7	51	11/14	2108	40°32.58'	68°00.65'	101	CTD
7	52	11/14	2151	40°34.08'	68°07.92'	97	CTD
8	53	11/14	2235	40°30.80'	68°14.71'	101	CTD
8	54	11/14	2252	40°30.17'	68°13.20'	139	XBT
8	55	11/14	2302	40°29.67'	68°12.01'	140	XBT
8	56	11/14	2310	40°29.37'	68°11.01'	226	CTD
8	57	11/14	2338	40°28.44'	68°09.13'	345	XBT
8	58	11/14	2347	40°26.86'	68°08.50'	457**	XBT
8	59	11/15	0005	40°24.90'	68°07.86'	560	CTD
8	60	11/15	0115	40°20.27'	68°08.93'	695	CTD
8	61	11/15	0209	40°16.43'	68°06.80'	1,240	CTD
8	62	11/15	0251	40°13.99'	68°05.71'	1,450	XBT
9	63	11/15	0334	40°12.02'	68°13.94'	~705	XBT
9	64	11/15	0400	40°15.03'	68°15.95'	530	XBT
9	65	11/15	0410	40°17.27'	68°17.56'	182**	XBT
9	66	11/15	0434	40°20.13'	68°19.64'	140	XBT
9	67	11/15	0455	40°23.51'	68°22.21'	106**	XBT
9	68	11/15	0513	40°25.78'	68°24.10'	100	XBT
10	68A	11/15	0527	40°23.29'	68°25.47'	110	XBT
10	69	11/15	0548	40°19.90'	68°26.91'	117	XBT
10	70	11/15	0604	40°17.00'	68°28.11'	145	XBT
10	71	11/15	0630	40°12.58'	68°30.03'	493**	XBT
10	72	11/15	0655	40°08.53'	68°31.73'	307**	XBT
10	73	11/15	0657	40°07.93'	68°31.98'	285	XBT
10	74	11/15	0725	40°04.88'	68°33.35'	478	CTD

[1] Time is Eastern Standard Time.
[2] Latitudes and longitudes computed using Northstar-6000 5101 algorithm.
* Estimated from NOAA chart 12300.
** Estimated from NOAA chart 13200.
† From Butman and Moody (1984).

Table 2. - Manufacturers' specifications for instruments used on R/V OCEANUS Cruise 130. See text for calibration of CTD.

Instrument	Sensor	Range	Accuracy	Resolution
CTD	Conductivity	1 to 65 mmho	±0.005 mmhos	0.001 mmhos
	Temperature	-32 to +32°C	±0.005°C	0.0005°C
	Pressure	0-3200 dbar	±3.2 dbar	0.048 dbar
	Oxygen	0-2 µA	±2 nA	0.5 nA
	Light	0-4.50 v	±0.1 v	0.01 v
XBT*	T-4	0-460 m	±0.1°C, ±2% depth	0.01°C, 0.65 m
	T-5	0-1830 m	±0.1°C, ±2% depth	0.01°C, 0.65 m
	T-6	0-460 m	±0.1°C, ±2% depth	0.01°C, 0.65 m
	T-7	0-760 m	±0.1°C, ±2% depth	0.01°C, 0.65 m
	T-10	0-200 m	±0.1°C, ±2% depth	0.01°C, 0.65 m
Salinometer	--	0-40 ppt	±0.003 ppt	0.0002 ppt
Winkler	--	0-10 ml/l	±0.04 ml/l	0.2%

*See text for discussion of temperature and depth accuracy.

Table 3. - Calibration data for R/V OCEANUS Cruise 130, November 9-16, 1982.

Station	Sample depth[1] (dbar)	Salinity (psu) Bottle	CTD	Residual	$\pm\Delta S$[2]	Oxygen (ml/l) Bottle[3]	CTD	Residual	$\pm\Delta O_2$[2]
19*	75	33.153	33.145	0.008	0.000	5.59*	5.56	0.03	0.00
34	282	35.062	35.128	-0.066	0.005	4.42	4.42	0.00	0.02
35	131	35.390	35.362	0.028	0.016	3.82	4.11	-0.29	0.01
39	90	33.823	33.875	-0.052	0.044	4.93*	4.89	0.04	0.01
41	143	35.372	35.325	0.046	0.018	3.85	3.86	-0.01	0.01
51	93	33.795	33.843	-0.048	0.040	4.88*	5.07	-0.19	0.03
53	93	33.804	33.801	+0.003	0.046	4.89*	4.97	-0.08	0.07
56	219	35.128	35.138	-0.010	0.002	4.19*	4.33	-0.14	0.00
59	524	34.989	34.983	0.006	0.002	5.42	5.27	0.15	0.00
60	197	35.429	35.434	-0.005	0.002	3.65*	3.35	0.30	0.02
61	201	35.520	35.510	0.010	0.006	3.64**	3.35	0.29	0.03
74	391	--	--	--	--	4.37	4.22	0.15	0.00
Mean				-0.007	±.016			-0.02	±.02
Standard deviation				± 0.035				± 0.20	

[1]Accuracy of sample depth is approximately ±2 dbar.

[2]Change in salinity (ΔS) or oxygen (ΔO_2) between 2 dbars above and below the sample depth.

[3]Three replicates with standard deviations between 0.02 - 0.04 ml/L.

* Only 1 oxygen sample.

**High standard deviation of 0.16 ml/L.

Table 4. - Nutrient values for water samples obtained on R/V OCEANUS Cruise 130.

Station	Sample depth (dbar)	PO_4 (µg at/l)	SiO_4 (µg at/l)	NO_3 (µg at/l)	NO_2 (µg at/l)	NH_3 (µg at/l)
19	0	0.72*	3.52	3.33*	0.27	1.94
	75	1.18*	6.54*	7.21*	0.08*	0.30*
21	0	0.74	3.50	3.55	0.18	1.05
	93	1.31	8.47	11.31	0.05	0.34
22	0	0.97	4.92	4.77	0.24	1.11
	116	1.29	8.02	11.84	0.14	0.35
23	0	0.99	4.36	3.23	0.21	0.49
24	0	0.74	2.42	1.32*	0.14	0.95
25	0	0.83	2.60	1.20	0.17	1.31
27	0	0.74	2.16	0.68	0.12	0.40
	191	1.39	10.78	18.83	0.06	1.29*
28	0	0.54	1.05	0.19	0.02	0.96
30	0	0.50	1.38	0.47	0.07	2.31
31	0	0.51	1.85	0.38	0.08	1.74
32	0	0.50	2.78	2.51	0.12	0.37
33	0	0.79	4.91	4.99	0.20	0.71
34	0	0.80	4.27	4.34	0.17	0.28
	282	1.40	11.39	16.18	0.06	1.39*
35	0	0.93	4.94	5.03	0.20	0.43
	131	1.52	10.60	16.76	0.08	0.17
36	0	0.99	4.81	4.87	0.22	2.44
38	0	1.04	4.96	5.77	0.26	1.77
	74	1.30	6.68	6.97	0.12	2.33*
39	0	0.97	4.77	4.77	0.18	0.93
	90	1.28	8.03	9.90	0.06	0.22
40	0	0.63	1.52	0.83	0.06	0.87
	120	1.08	6.26	8.98	0.05	0.38

*1 of the 2 replicates was discarded as erroneous after lab analysis was completed. All others are averages of two samples.

Table 4. - Nutrient values for water samples obtained on R/V OCEANUS Cruise 130--Continued.

Station	Sample depth (dbar)	PO_4 (µg at/l)	SiO_4 (µg at/l)	NO_3 (µg at/l)	NO_2 (µg at/l)	NH_3 (µg at/l)
41	0	0.91	2.79	0.71	0.15	0.49
	143	1.33	10.34	16.27	0.14	2.35*
42	0	0.78	2.29	0.71	0.12	0.49
	149	1.40	10.37	16.27	0.07	0.42
46	0	0.67	2.79	1.71	0.12	0.82
47	0	0.69	2.51	1.46	0.11	0.73
48	0	0.61	2.44	1.32	0.14	1.14
	138	1.17	10.35	11.22	0.10	0.36
49	0	0.46	2.08	1.47	0.08	2.52
50	0	0.49	2.52	2.49	0.08	6.78
	121	1.02	7.18	6.61	0.06	0.53
51	0	0.82	4.51	4.33	0.27	0.54
	93	1.21	4.50	9.63	0.08	0.50
52	0	0.69	3.26	3.51	0.19	0.73
	90	1.09	7.80	8.66	0.08	0.49
53	0	0.67	3.39	3.38	0.17	1.37
	93	0.92	4.87	6.12	0.07	2.08
56	0	0.64	3.09	3.05	0.16	0.90
	219	1.03	8.41	11.84	0.05	0.74
59	0	0.80	3.64	6.38	0.18	0.82
	524	1.05	7.60	10.19	0.03	0.85
60	0	0.75	2.42	1.17	0.18	1.57
	197	1.15	7.47	12.09	0.05	0.82
61	0	0.65	2.69	2.05	0.18	1.90
	201	1.40	8.43	14.58	0.06	1.36
74	0	0.61	2.33	1.93	0.14	1.81
	391	1.39	9.46	13.16	0.03	0.77

*1 of the 2 replicates was discarded as erroneous after lab analysis was completed. All others are averages of two samples.

Table 5. - Suspended-matter concentrations for water samples obtained on R/V OCEANUS Cruise 130.

Station	Water depth (m)	Sample depth (dbar)	Suspended matter (mg/l)	Beam attenuation $\alpha(m^{-1})$
19	85	75	0.70	0.80
21	100	93	.24	.74
22	127	116	.20	.75
34	305	282	.35	.80
35	142	131	.17	.77
38	81	74	.25	.76
39	100	90	.35	.75
40	132	120	.41	.77
41	148	143	.04	.74
48	140	138	.13	.70
50	132	121	.23	.68
52	97	90	.22	.71
53	101	93	.39	.74
56	226	219	.38	.82
59	560	534	.51	.87
61	1,240	201	.05	.66
74	478	474	.09	.75

Table 6. - Meteorological observations for R/V OCEANUS Cruise 130 obtained from ship's Deck Log. (Time is Eastern Standard Time.)

Date	Time	Wind		Sea			Air		Weather
		Dir	Force	Dir	Swell	Height	Pressure (mb)	Temp (°C)	
Nov. 9	1200	NW	4	---	---	3	1029	12.2	bc
	1600	NWxN	5	---	---	3	1029	17.8	bc
	2000	NNW	3	---	---	3	1031	11.1	b
	2400	S	1	---	---	2	1031	10.6	bc
Nov. 10	0400	N	4	NNE	3	3	1031	8.9	bc
	0800	N	5	NxW	3	3-4	1033	7.8	c
	1200	N	5	N	3	3-4	------	9.4	c
	1600	N	5	N	3	4	------	7.8	bc
	2000	N	5-6	N	3	4	------	8.3	bc
	2400	NxW	5	N	3	4	------	7.8	bc
Nov. 11	0400	N	3	N	1	3	1036	7.2	bc
	0800	NNE	3	N	1	2	1036	8.3	bc
	1200	S	2	NNE	1	2	1036	15.6	bc
	1600	S	3	NNE	1	2	1033	10.0	bc
	2000	S	4-5	S	1	2	1033	11.1	bc
	2400	S	4	S	1	3	1033	11.1	c
Nov. 12	0400	S	3-4	S	3	3	1030	12.2	c
	0800	SSW	4	SSW	3	4	1031	14.4	bc
	1200	SxW	4-5	SSW	1	3-4	1029	16.7	o
	1600	SSW	5	SSW	3	5	1027	15.0	bcz
	2000	SSW	7	SSW	3	5	1027	16.7	bc
	2400	SSW	7	SSW	3	4	1025	17.2	o
Nov. 13	0400	S	6-7	S	3	5	1022	16.7	o
	0800	S	6-7	S	3	5	1019	16.1	o
	1200	SxE	6	S	3	4	1014	16.7	o
	1600	SxE	6-7	S	6	5	1011	16.7	o
	2000	NW	7-8	S	3	5	1016	12.2	or
	2400	NW	7-8	NW	3	5	1020	8.9	o
Nov. 14	0400	NNW	6-7	N	6	5	1024	7.8	o
	0800	NxW	6-7	N	3	5	1029	6.7	c
	1200	NxE	6	N	3	4	1030	6.7	bc
	1600	N	4	NNW	3	4	1031	6.1	bc
	2000	ENE	2-3	NNW	2	3	1032	6.1	bc
	2400	SE	2-3	---	---	3	1032	5.6	bc
Nov. 15	0400	SE	3	SE	1	2-3	1028	10.6	bc
	0800	SSE	7	SSE	1	3-4	1023	12.8	o
	1200	SSE	7-8	SSE	3	4	1015	14.4	o
	1600	NW	4-6	CONFU	---	4	1017	8.9	or
	2000	NW	7-8	NW	3	5	1023	7.8	bc
	2400	NW	7	NW	3	5	1027	5.6	bc
Nov. 16	0400	NWxN	6	N	3	5	1030	3.9	bc
	0800	NW	5	NW	3	3-4	1034	4.4	bc
	1200	NNW	3-4	NW	1	3	1036	2.2	b

Table 7. - Key to meteorological observations.

Swell		Sea height	
0	No swell	0	Calm
1	Low, short or average	1	Smooth, less than 1'
2	Low, long	2	Slight 1-3'
3	Moderate, short	3	Moderate 3-5'
4	Moderate, average	4	Rough 5-8'
5	Moderate, long	5	Very rough 8-12'
6	Heavy, short	6	High 12-20'
7	Heavy, average	7	Very high 20-40'
8	Heavy, long	8	Mountainous 40' and higher
9	Confused	9	Confused

Weather		Wind		
			knots	mph
bc	scattered clouds	1	1-3	1-3
d	drizzle	2	4-6	4-7
f	fog	3	7-10	8-12
h	hail	4	11-16	13-18
l	lightening	5	17-21	19-24
o	overcast	6	22-27	25-31
c	mostly cloudy	7	28-33	32-38
p	passing rain showers	8	34-40	39-46
q	squalls	9	41-47	47-54
r	rain	10	48-55	55-63
s	snow	11	36-63	64-72
t	thunder	12	64-71	73-82
z	haze			

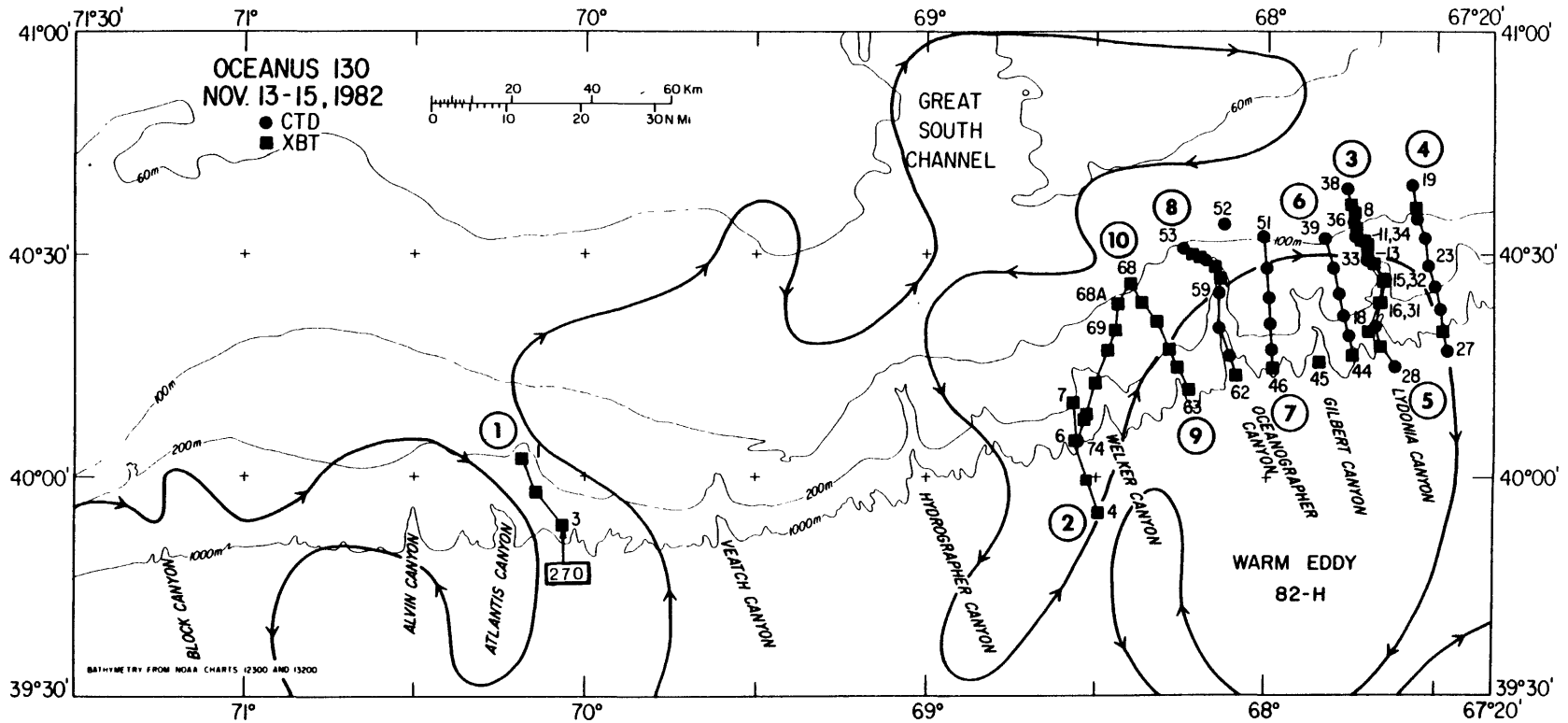


Figure 1a. Location of stations along the Continental Slope and upper rise occupied on R/V OCEANUS cruise 130, November 12-15, 1982. The circled numbers identify the sections shown in figures 2-10. The numbers within rectangles identify U.S.G.S. moorings (see Butman,1984). The approximate position of the shelf-water/slope-water front and of the warm core ring 82-H are based on the Oceanographic Analysis Chart for November 10, 1982, as modified by the Atlantic Environmental Group, National Marine Fisheries Service, Narragansett, R. I.

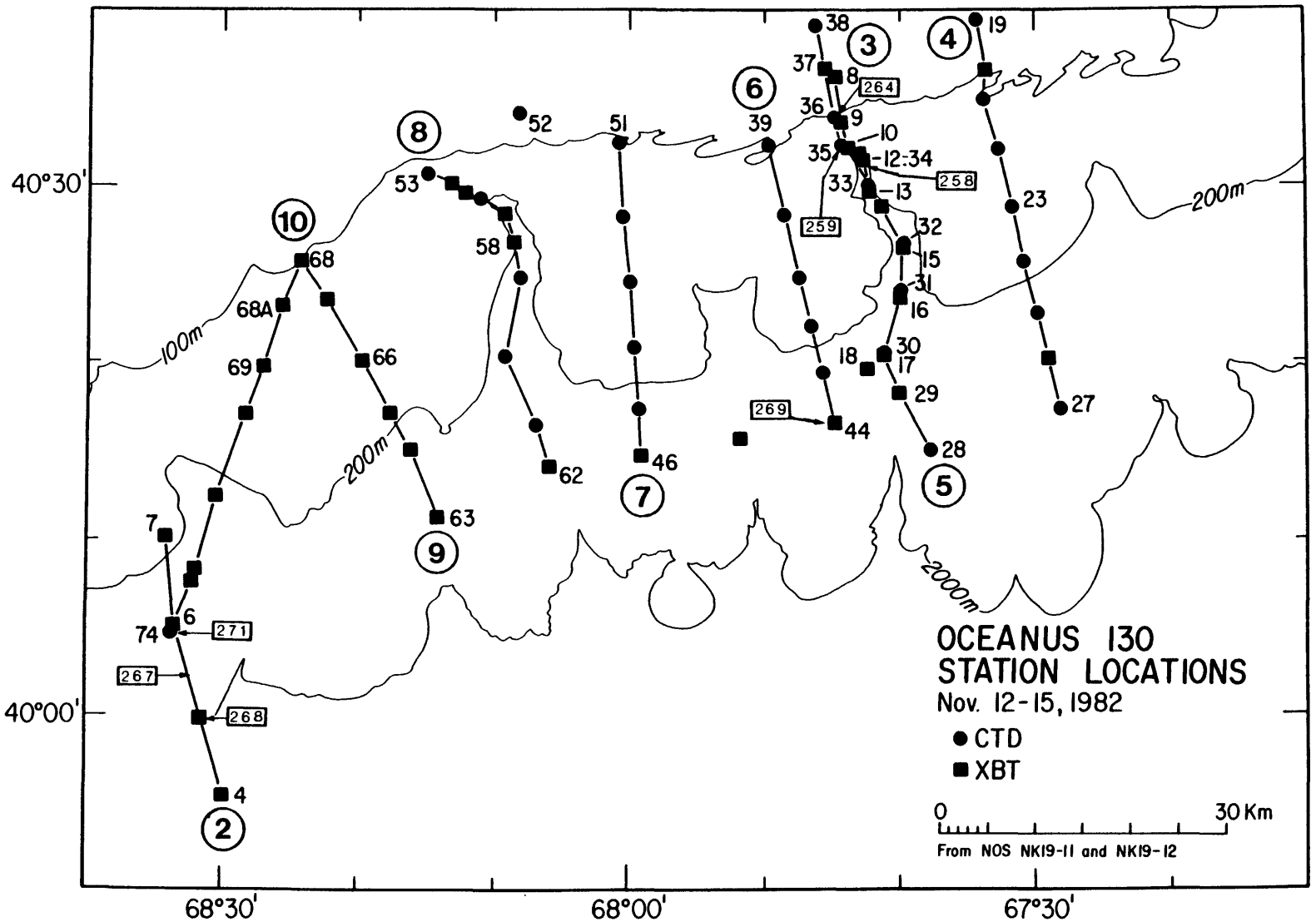
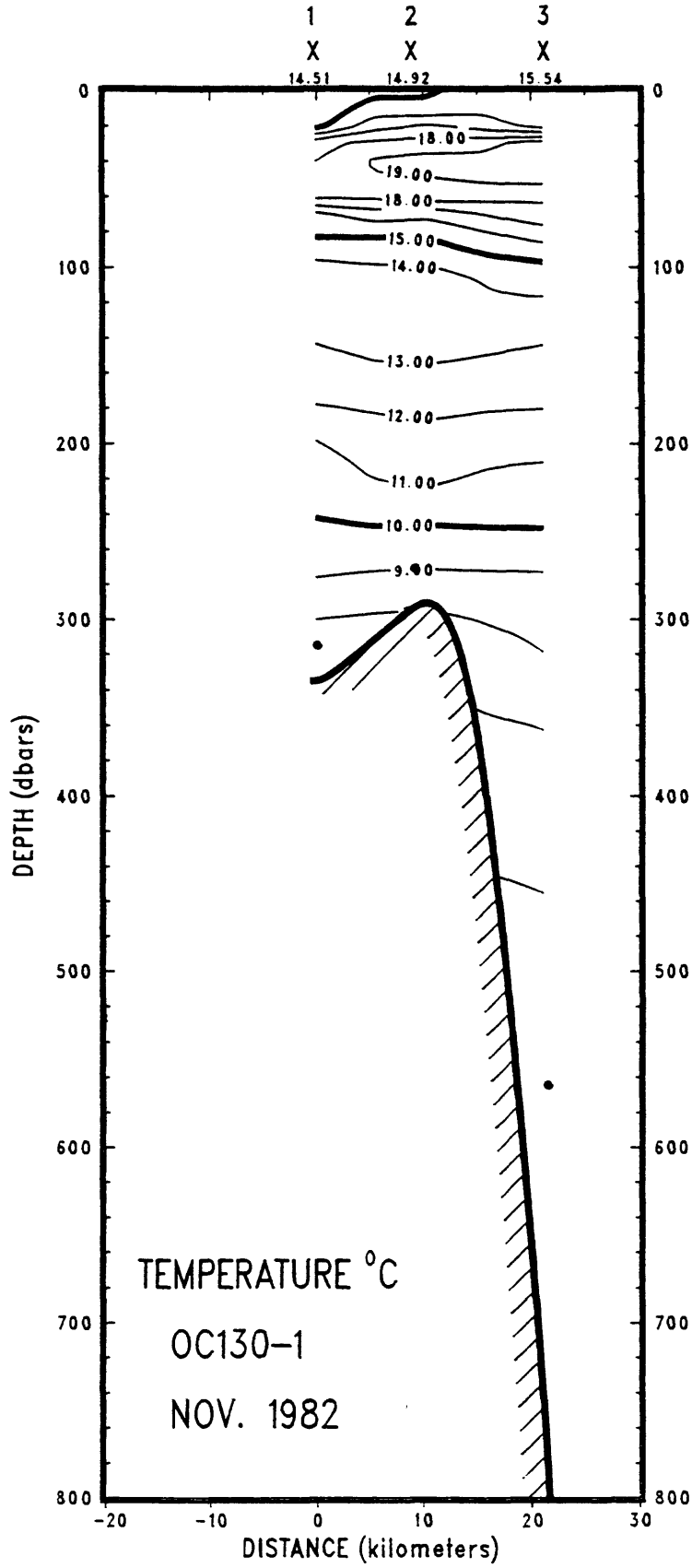


Figure 1b. Detailed chart showing the location of stations between 67°20' and 68°40' W. occupied on R/V OCEANUS cruise 130, November 12-15, 1982.

Vertical sections

The section numbers follow the hyphen after the cruise symbol OC130 (see fig. 1 and table 1). The station numbers are shown across the top of each section with the station type (C = CTD or X = XBT) and surface value of the contoured variable printed below. The location of the deepest sample is shown by a dot below the station number. The vertical exaggeration of the sections is 1:162.5 and is the same for each section. The contour intervals are also the same for each section (1°C for temperature, 0.2 psu for salinity, 0.2 for sigma-t, 0.2 for oxygen, and 0.05 m^{-1} for attenuation coefficient). Because of the computer contouring routine, the shape and slope of the contours near the sea floor should be interpreted with caution (see text).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3
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X
X
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14.92
15.54
18.00
19.00
18.00
15.00
14.00
13.00
12.00
11.00
10.00
9.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
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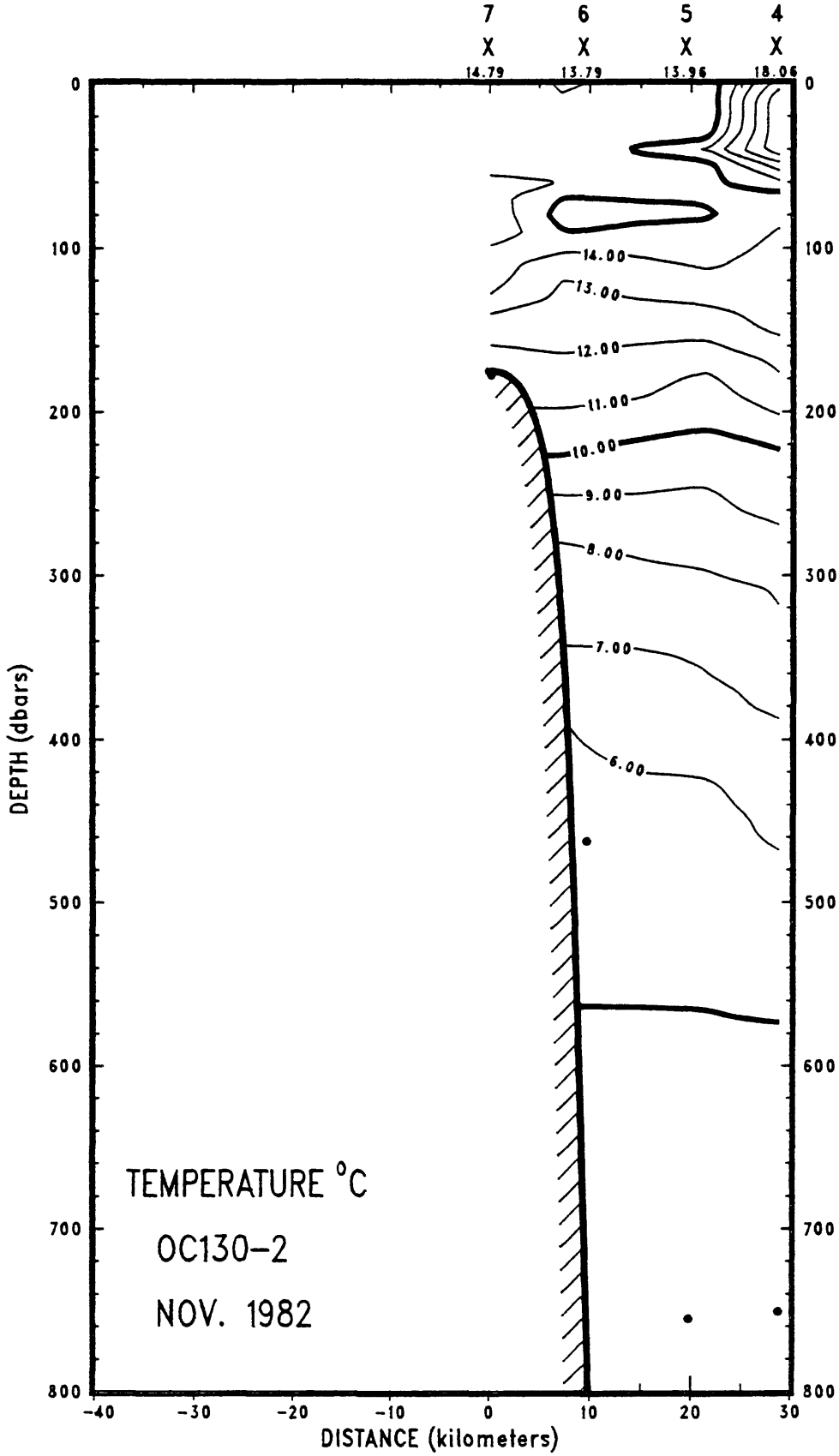
OC130-1
NOV. 1982
-20
-10
0
10
20
30
DISTANCE (kilometers)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6
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13.00
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8.00
7.00
6.00
TEMPERATURE °C
OC130-2
NOV. 1982
DEPTH (dbars)
DISTANCE (kilometers)
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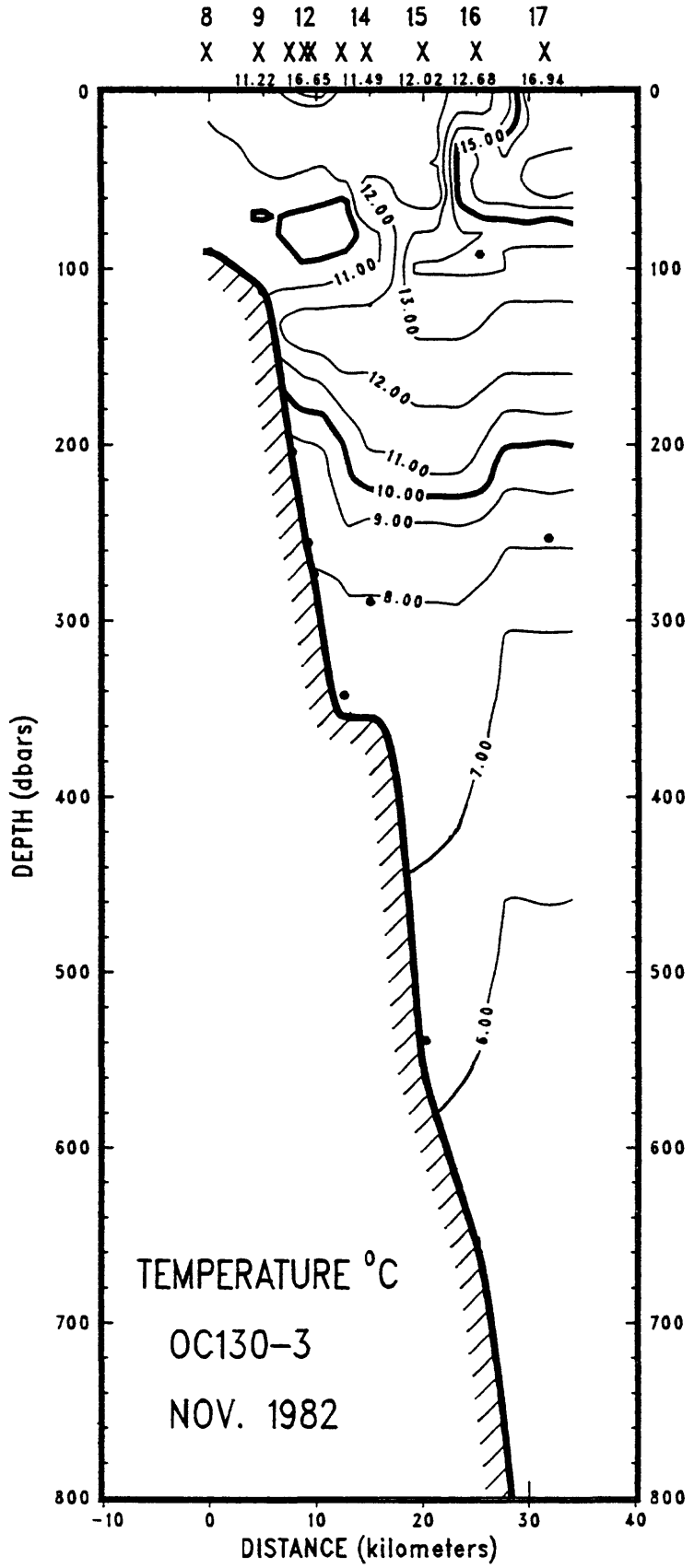
20
30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X X XX X X X X X
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15.00
12.00
11.00
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10.00
9.00
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7.00
6.00
TEMPERATURE °C
OC130-3
NOV. 1982
DEPTH (dbars)
DISTANCE (kilometers)
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500
600
700
800
-10
0
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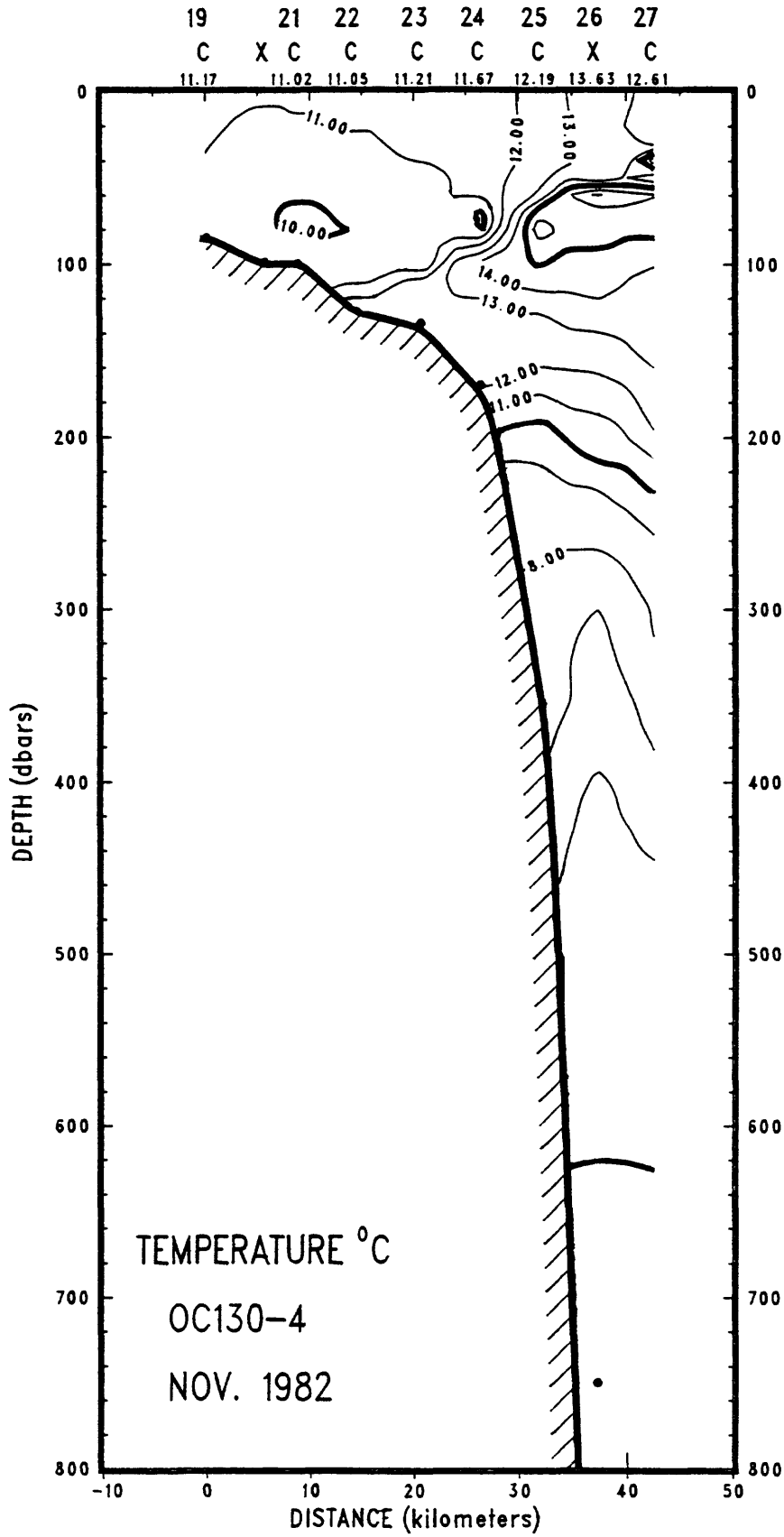
20
30
40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C X C C C C C X C
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11.00
12.00
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14.00
13.00
12.00
11.00
8.00
0 100 200 300 400 500 600 700 800
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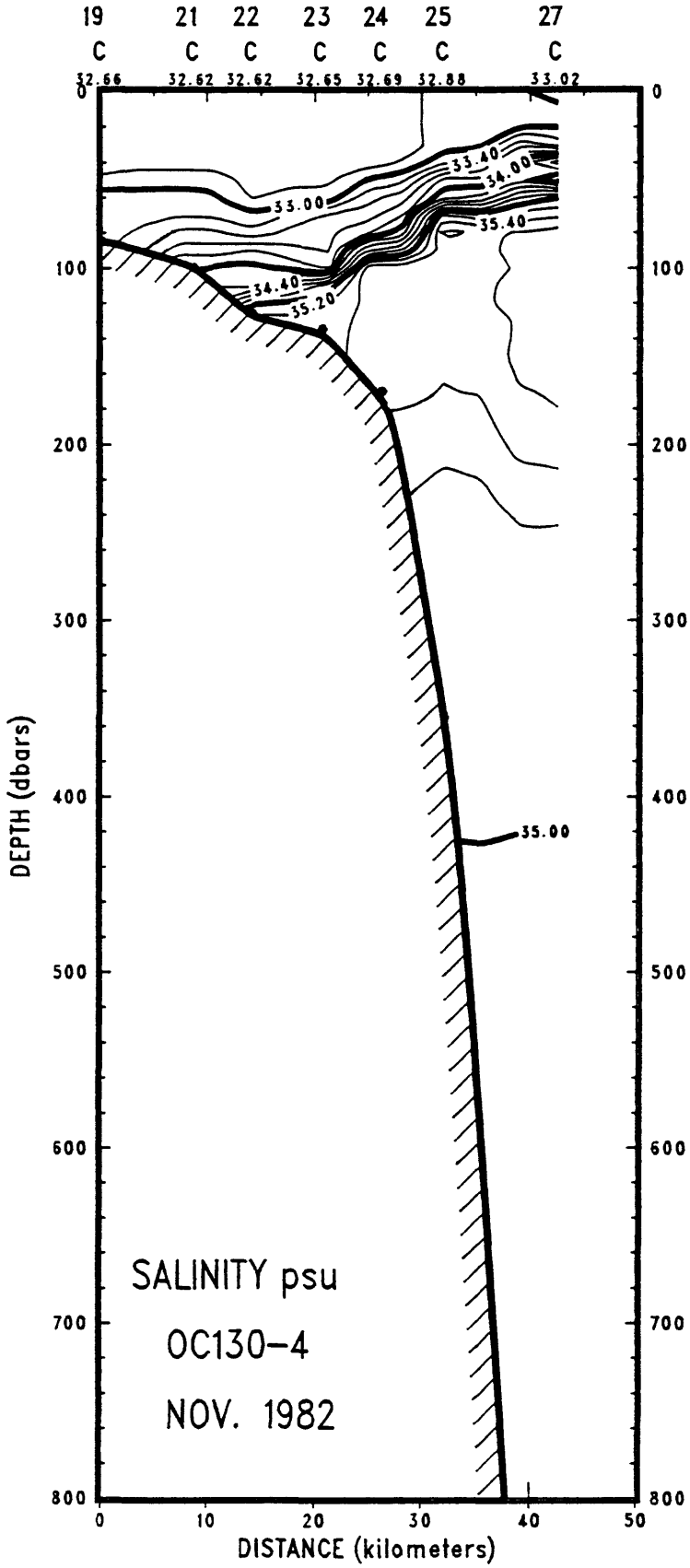
DEPTH (dbars)
DISTANCE (kilometers)
TEMPERATURE °C
OC130-4
NOV. 1982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21 C
22 C
23 C
24 C
25 C
27 C
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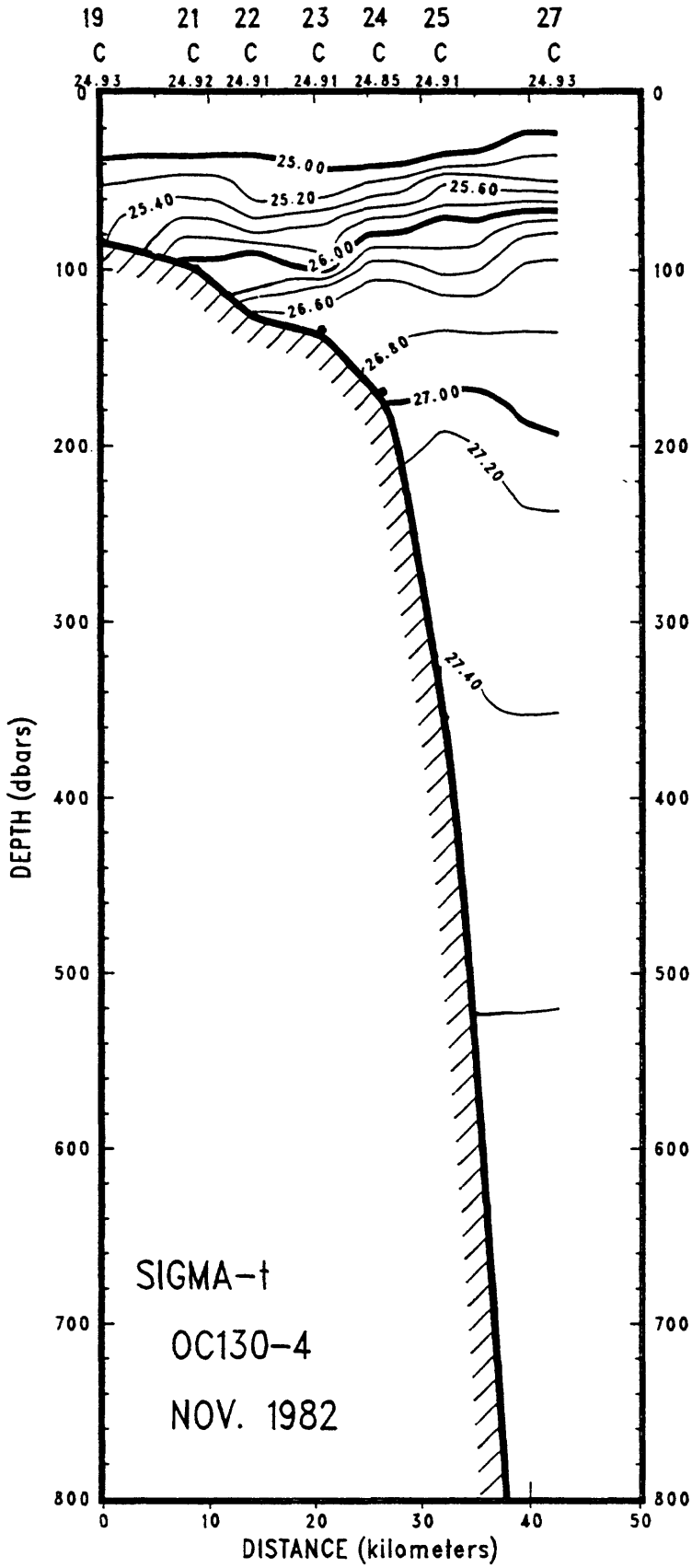
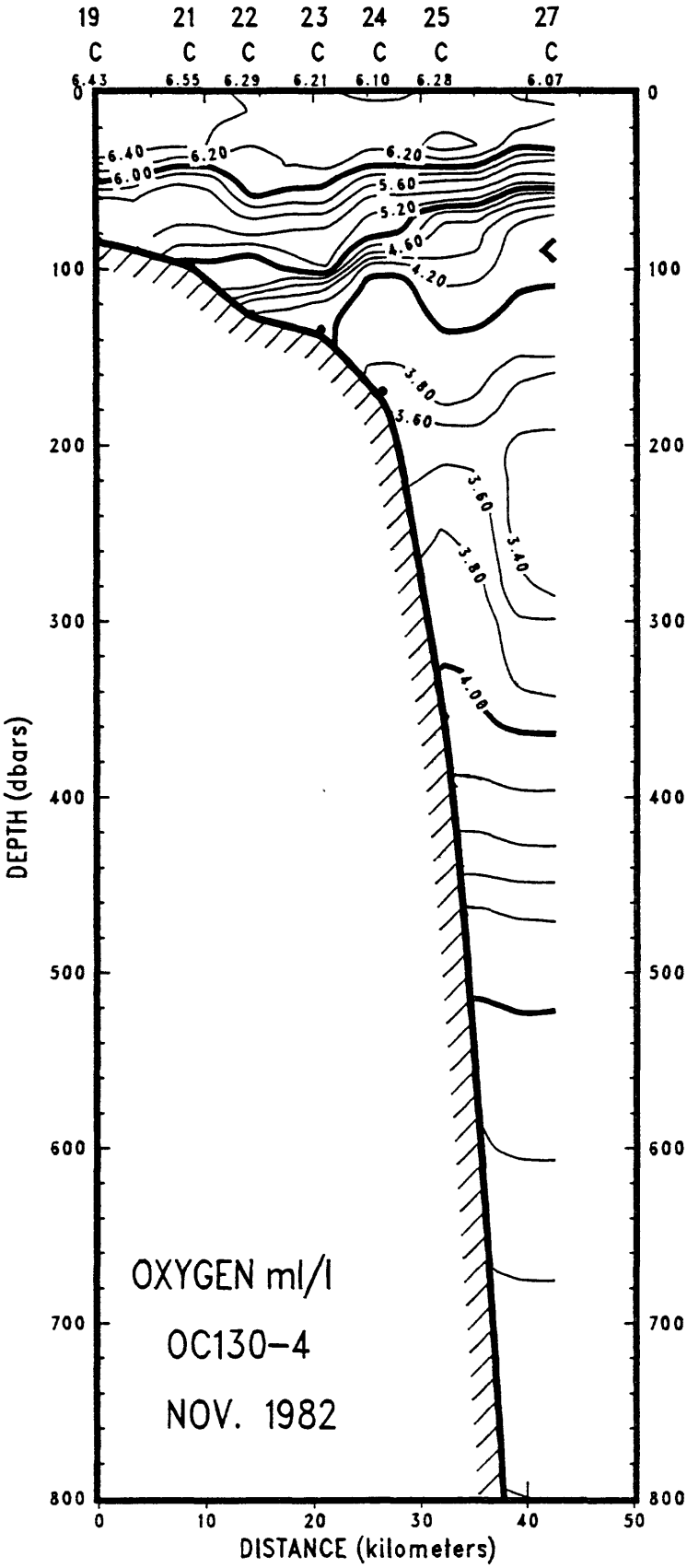
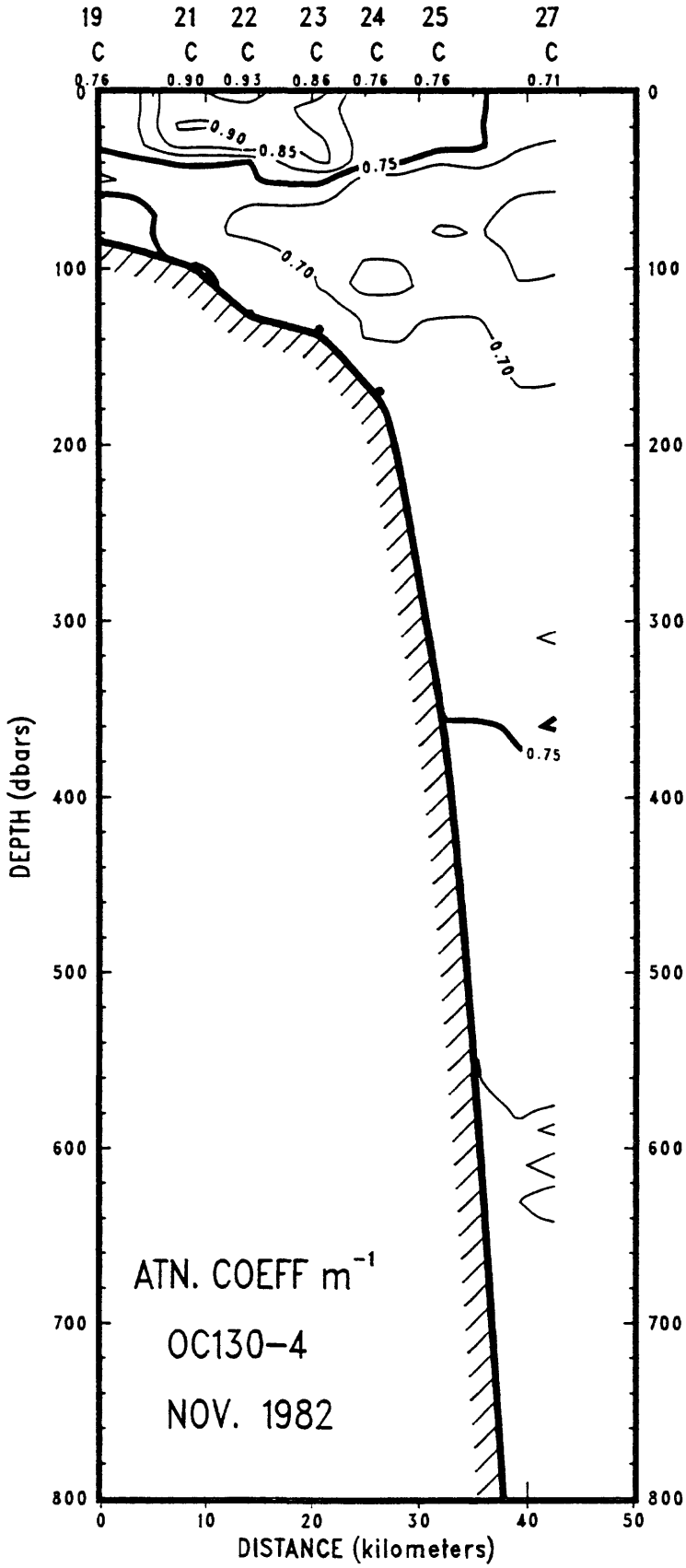
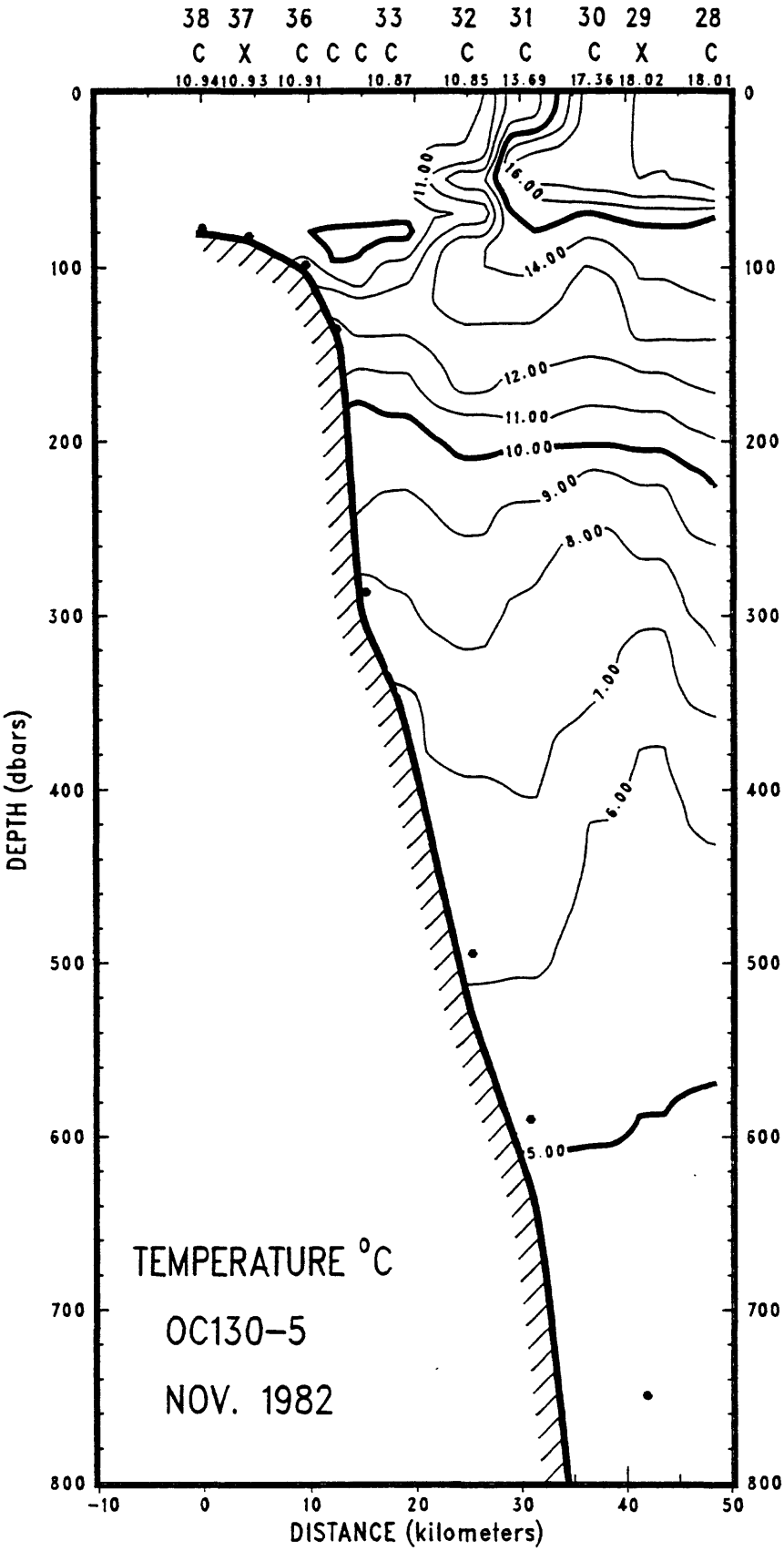
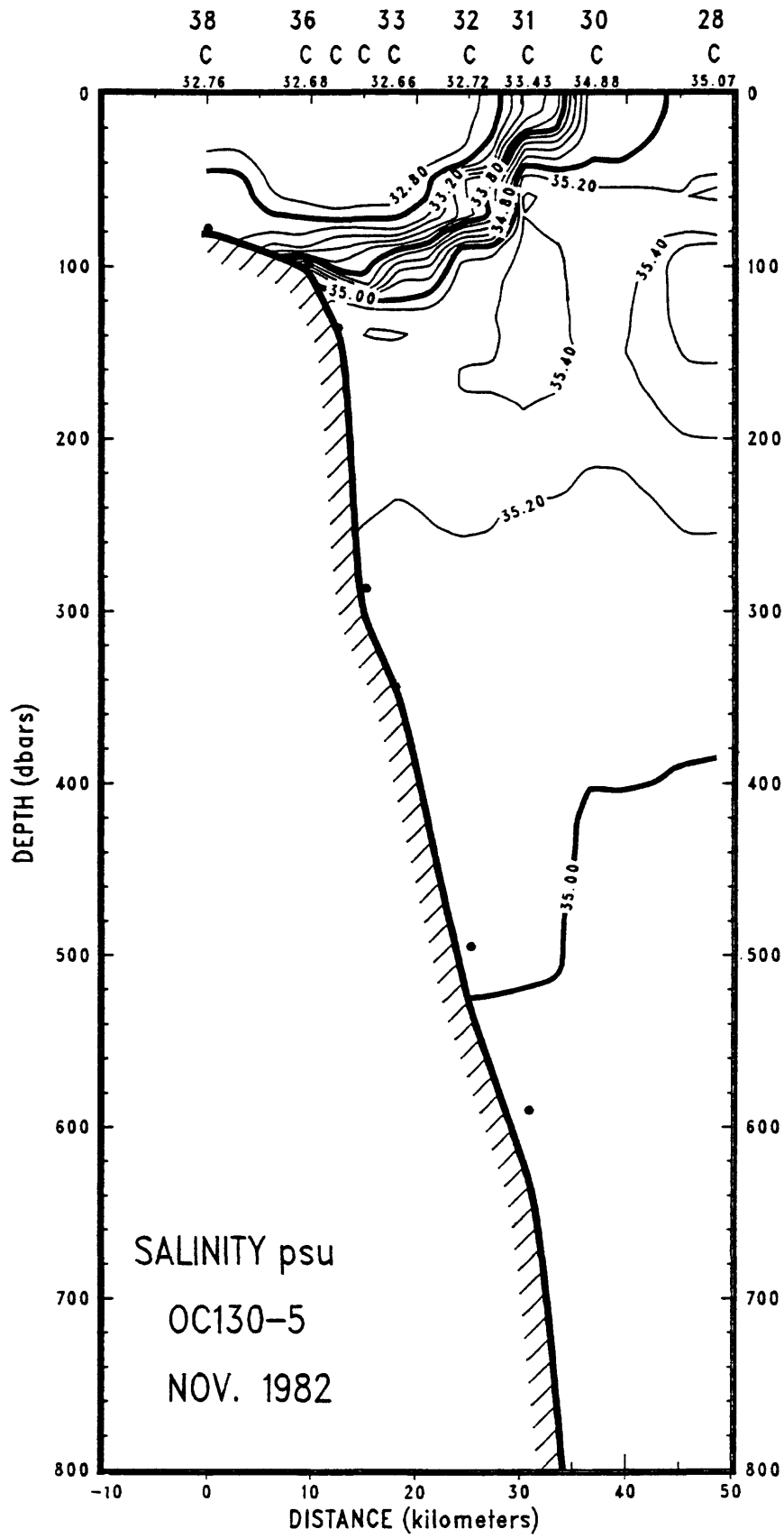
32.62
32.62
32.65
32.69
32.88
33.02
33.00
33.40
34.00
35.40
34.40
35.20
35.00
SALINITY psu
OC130-4
NOV. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
10
20
30
40
50

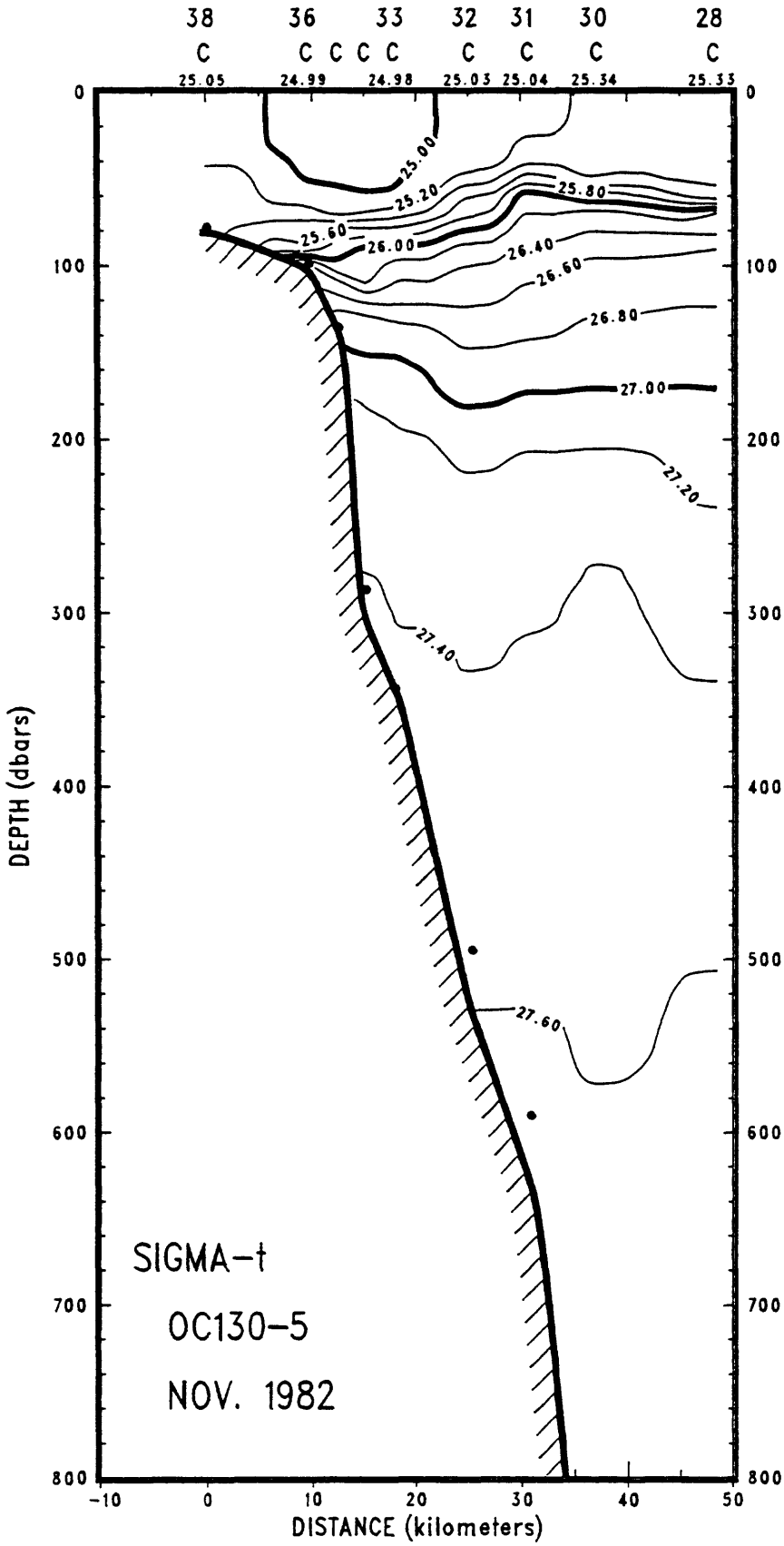

19 C 24.93
21 C 24.92
22 C 24.91
23 C 24.91
24 C 24.85
25 C 24.91
27 C 24.93
25.00
25.20
25.40
25.60
26.00
26.60
26.80
27.00
27.20
27.40
SIGMA-t
OC130-4
NOV. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
10
20
30
40
50

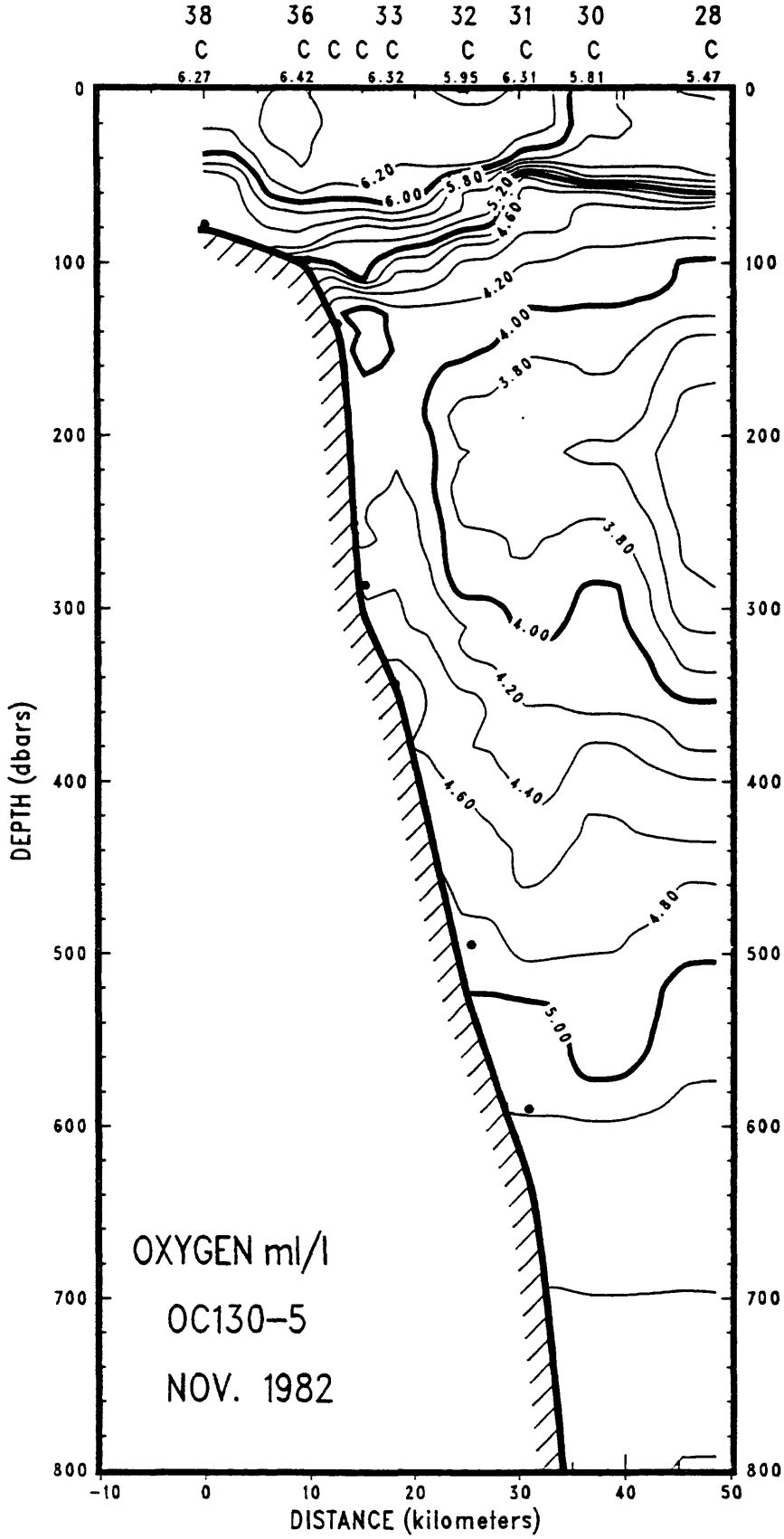

19 C 6.43
21 C 6.55
22 C 6.29
23 C 6.21
24 C 6.10
25 C 6.28
27 C 6.07
6.40
6.20
6.00
6.20
5.60
5.20
4.60
4.20
3.80
3.60
3.60
3.40
3.80
4.00
OXYGEN ml/l
OC130-4
NOV. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
10
20
30
40
50

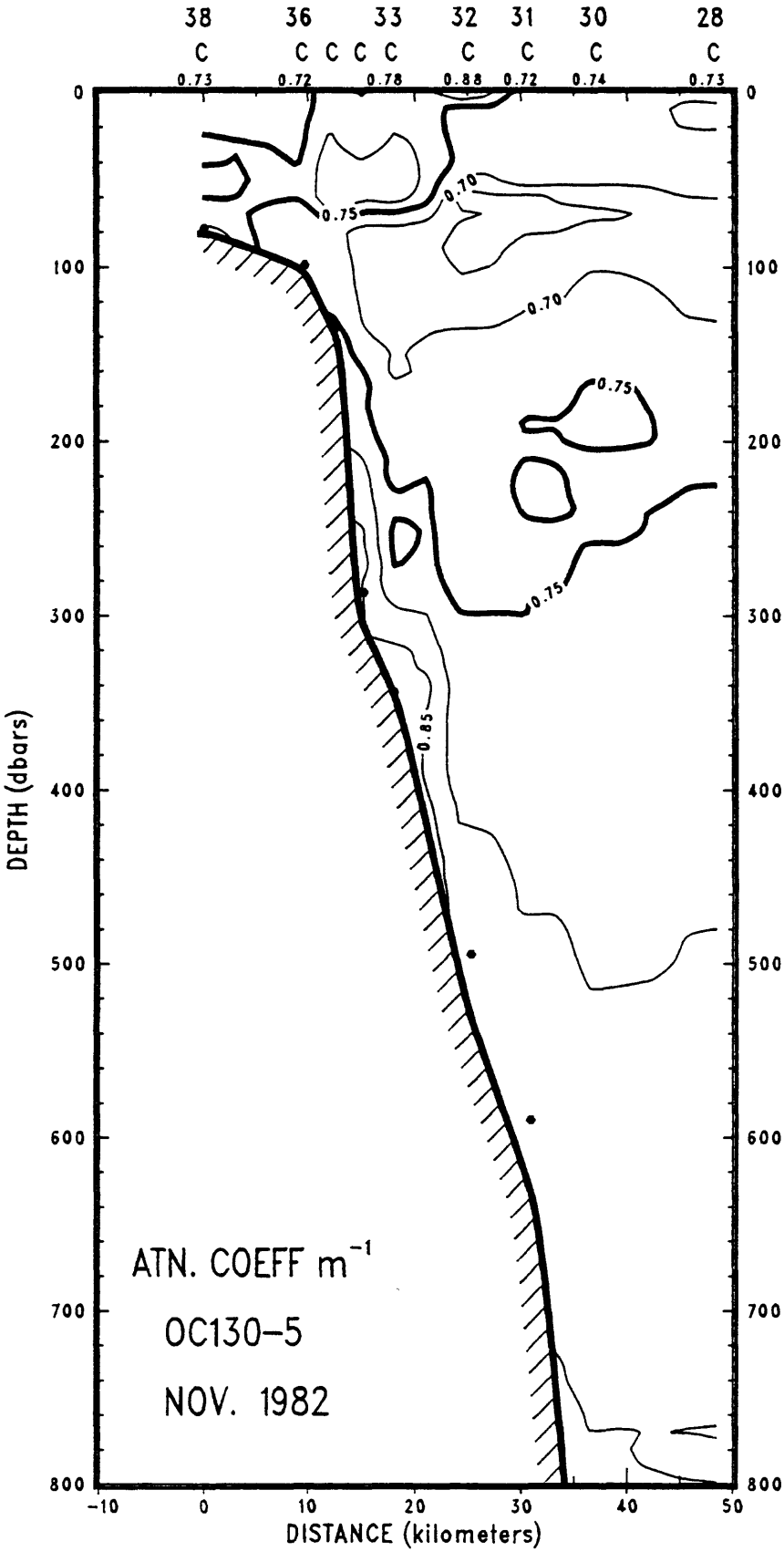

19 C
21 C
22 C
23 C
24 C
25 C
27 C
0.76
0.90
0.93
0.86
0.76
0.76
0.71
0.90
0.85
0.75
0.70
0.70
0.75
DEPTH (dbars)
DISTANCE (kilometers)
ATN. COEFF m^{-1}
OC130-4
NOV. 1982

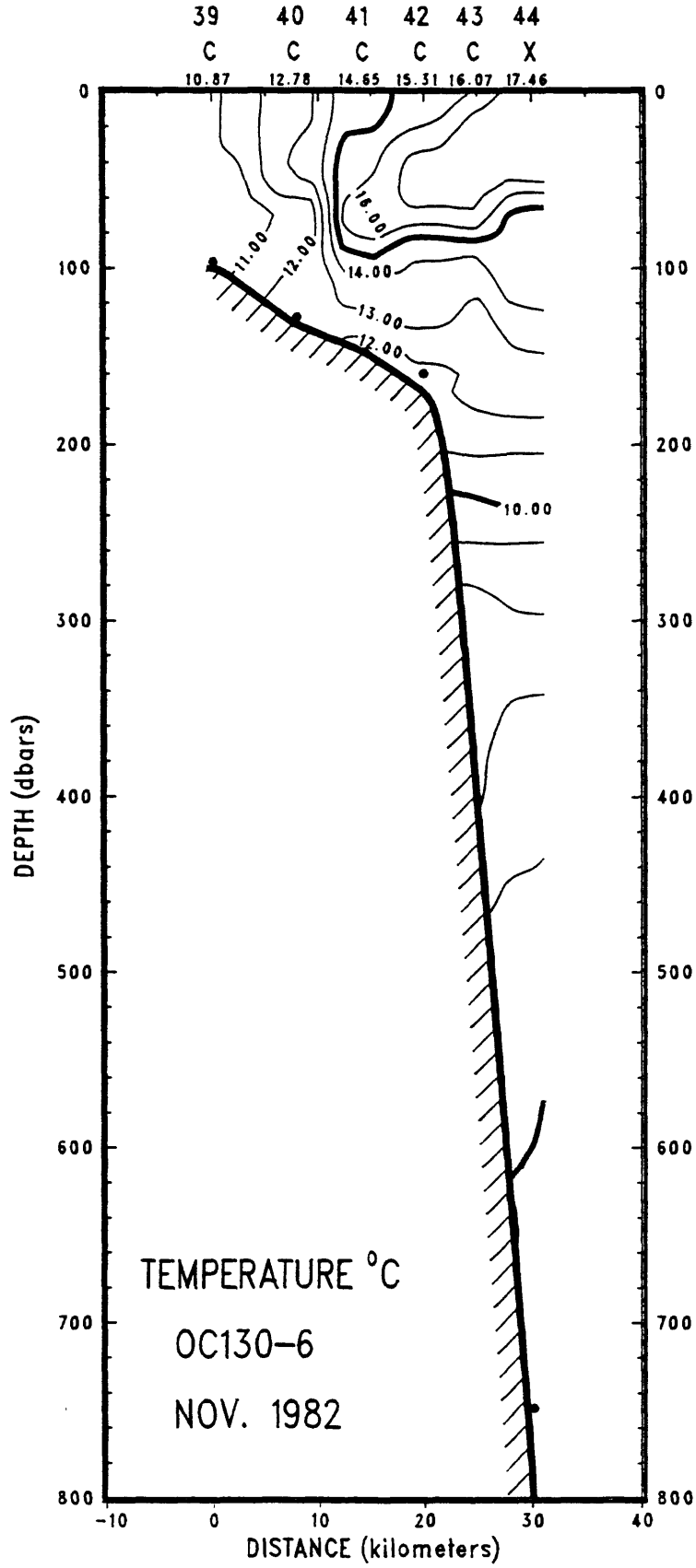

38 37 36 33 32 31 30 29 28
C X C C C C C C C X C
10.94 10.93 10.91 10.87 10.85 13.69 17.36 18.02 18.01
11.00
16.00
14.00
12.00
11.00
10.00
9.00
8.00
7.00
6.00
5.00
DEPTH (dbars)
DISTANCE (kilometers)
TEMPERATURE °C
OC130-5
NOV. 1982

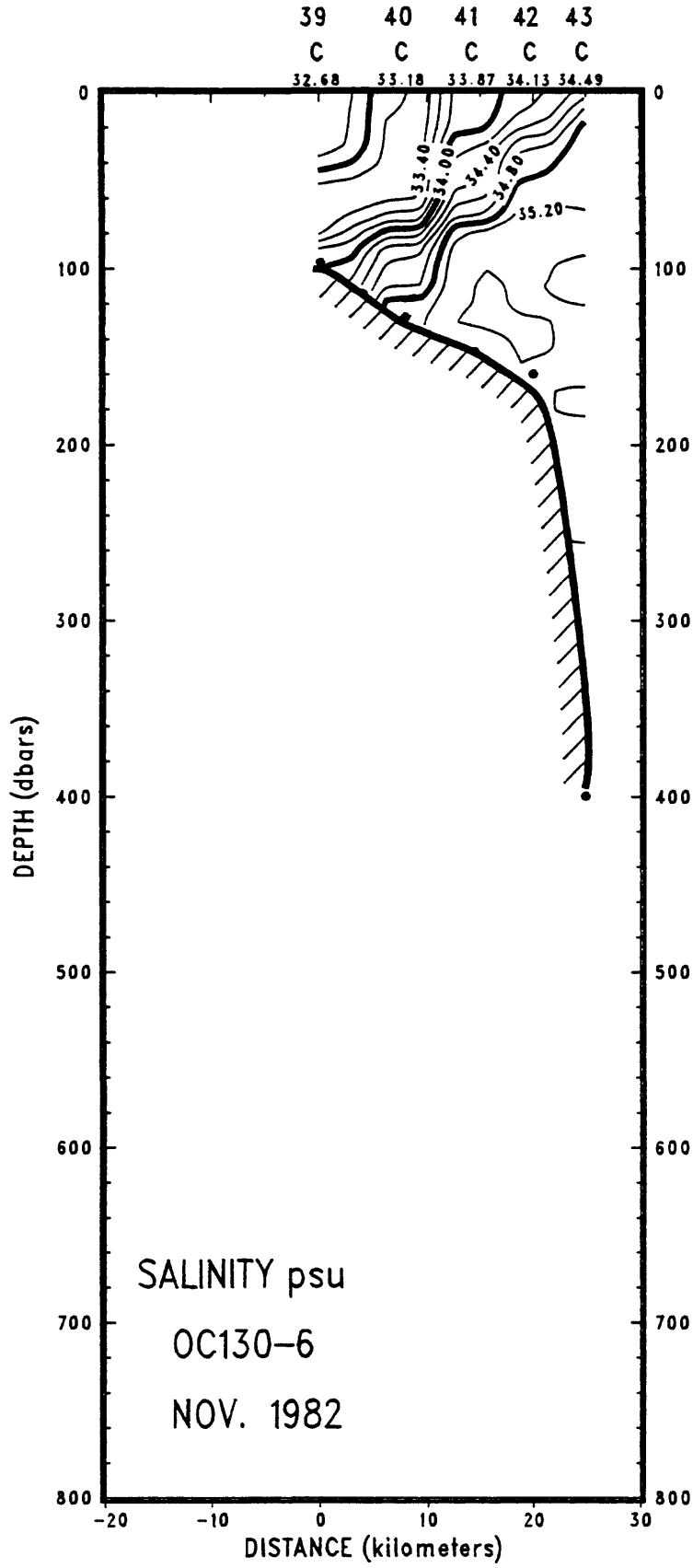

38 C 32.76
36 C 32.68
33 C 32.66
32 C 32.72
31 C 33.43
30 C 34.88
28 C 35.07
32.80
33.20
33.60
34.80
35.00
35.20
35.40
DEPTH (dbars)
DISTANCE (kilometers)
SALINITY psu
OC130-5
NOV. 1982

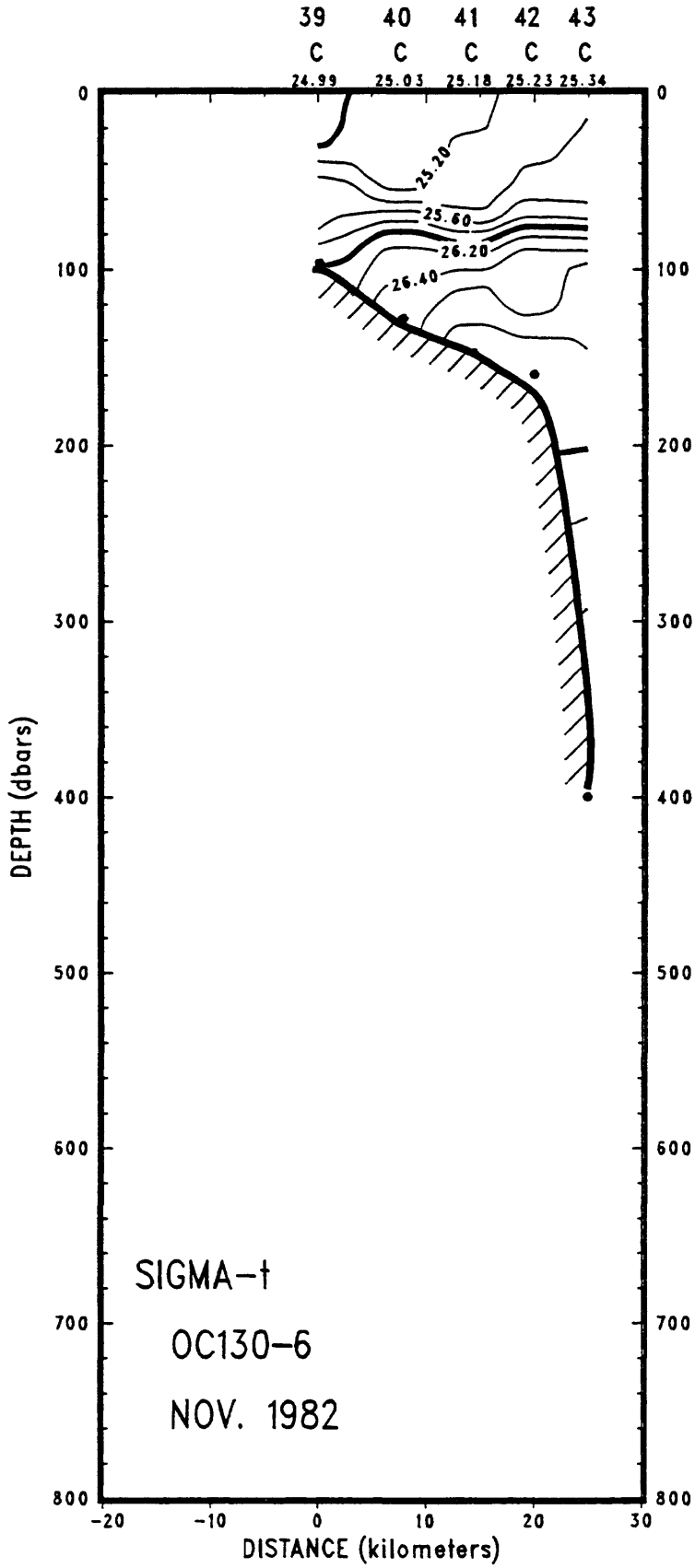

38 36 33 32 31 30 28
C C C C C C C C C
25.05 24.99 24.98 25.03 25.04 25.34 25.33
25.00
25.20
25.80
25.60
26.00
26.40
26.60
26.80
27.00
27.20
27.40
27.60
SIGMA-t
OC130-5
NOV. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-10
0
10
20
30
40
50

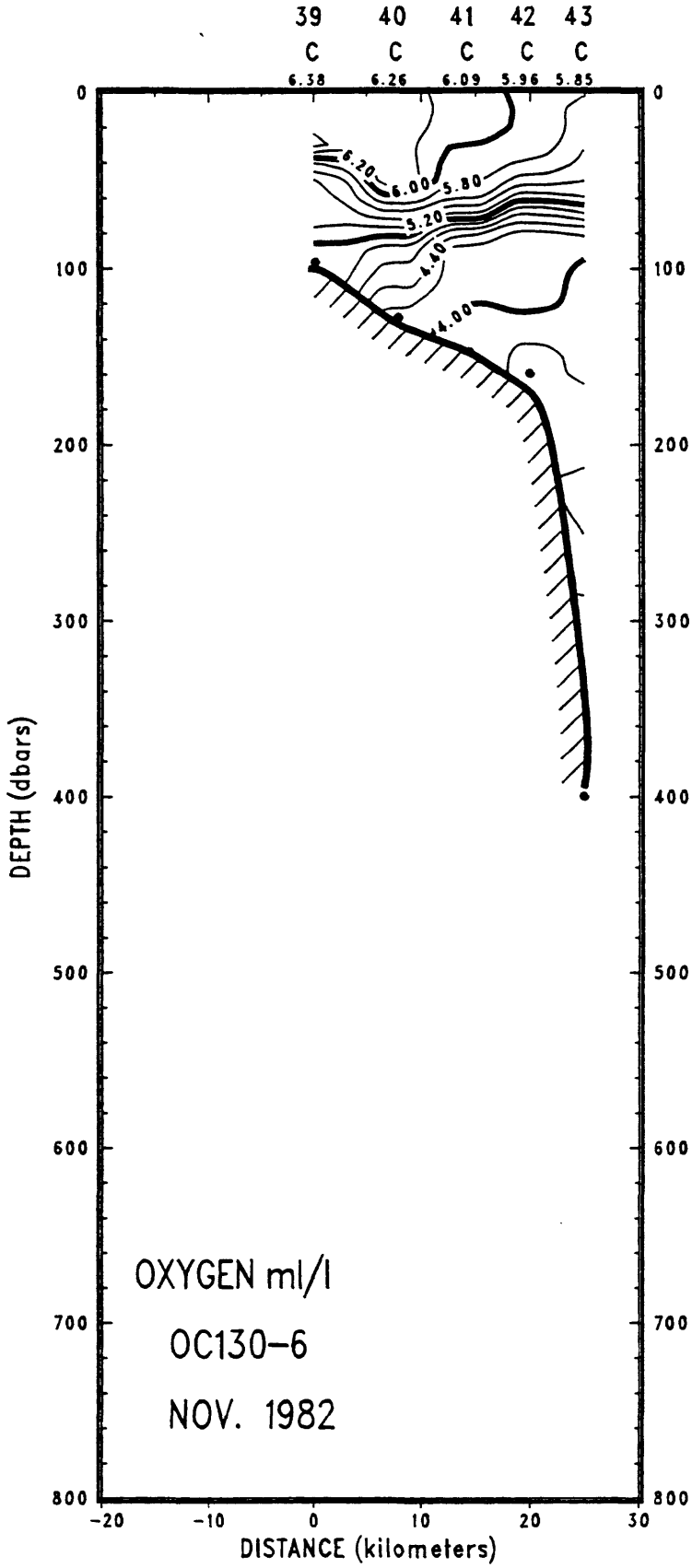

38 36 33 32 31 30 28
C C C C C C C C C
6.27 6.42 6.32 5.95 6.31 5.81 5.47
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
6.20
6.00
5.80
5.20
4.60
4.20
4.00
3.80
3.80
4.00
4.20
4.40
4.60
4.80
5.00
OXYGEN ml/l
OC130-5
NOV. 1982
-10 0 10 20 30 40 50
DISTANCE (kilometers)

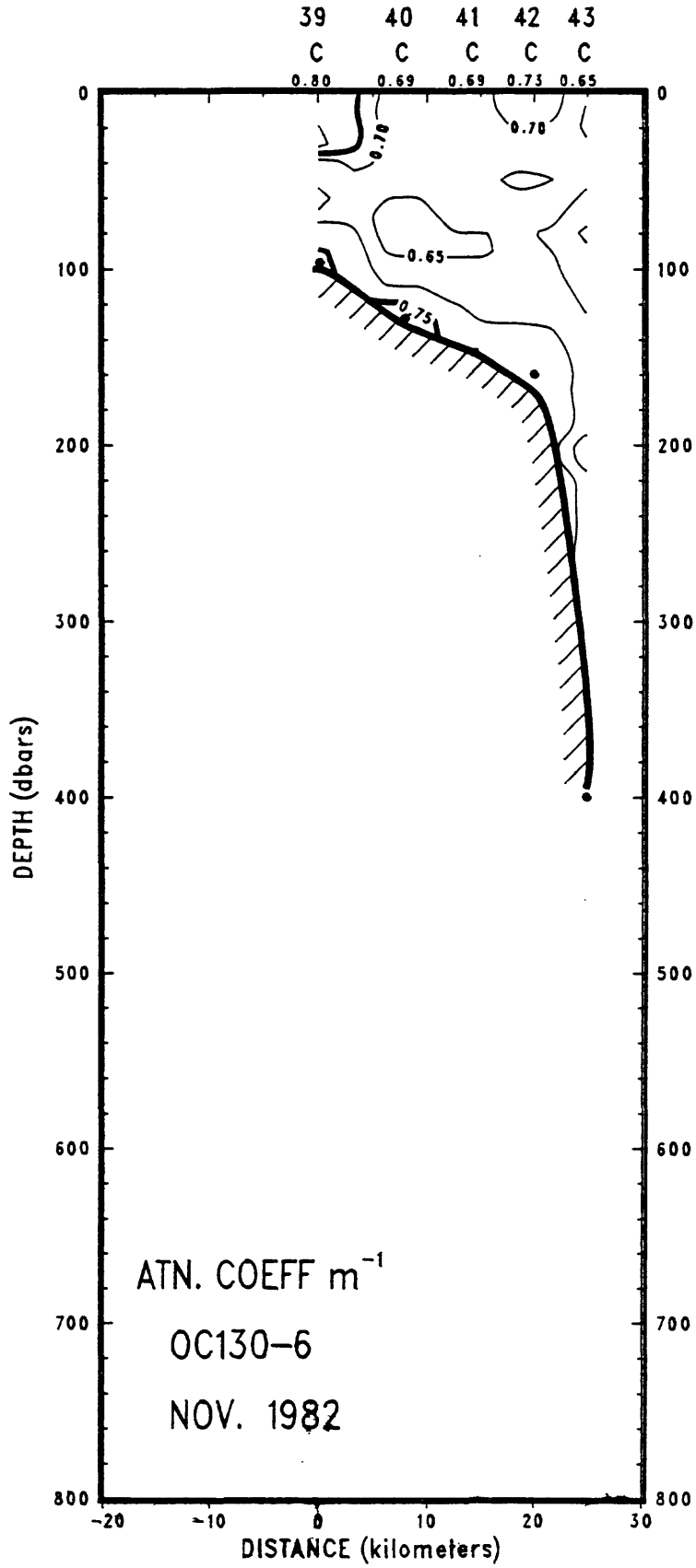

38 36 33 32 31 30 28
C C C C C C C C C
0.73 0.72 0.78 0.88 0.72 0.74 0.73
0.75
0.70
0.70
0.75
0.75
0.85
DEPTH (dbars)
0 100 200 300 400 500 600 700 800
ATN. COEFF m^{-1}
OC130-5
NOV. 1982
-10 0 10 20 30 40 50
DISTANCE (kilometers)

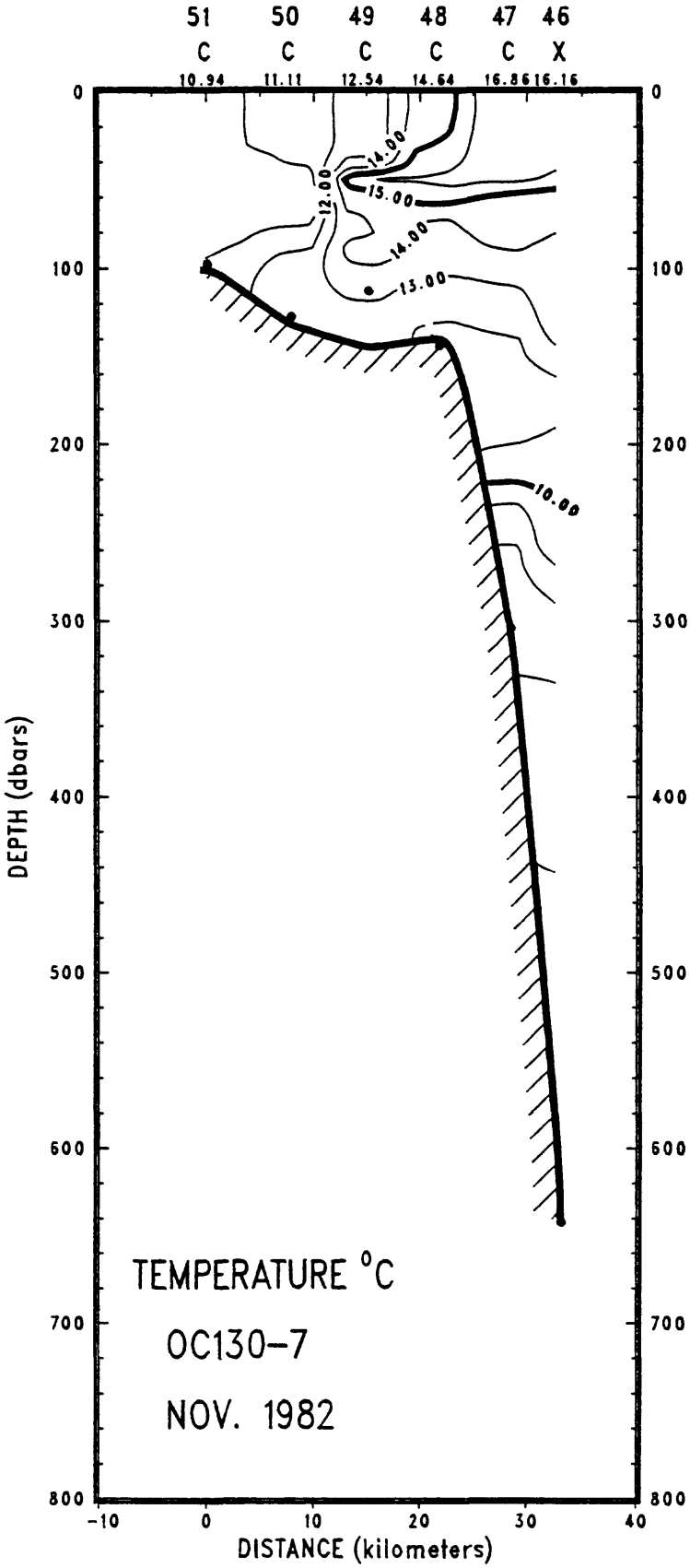

39 40 41 42 43 44
C C C C C X
10.87 12.78 14.65 15.31 16.07 17.46
16.00
14.00
13.00
12.00
11.00
10.00
TEMPERATURE °C
OC130-6
NOV. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0 100 200 300 400 500 600 700 800
-10 0 10 20 30 40

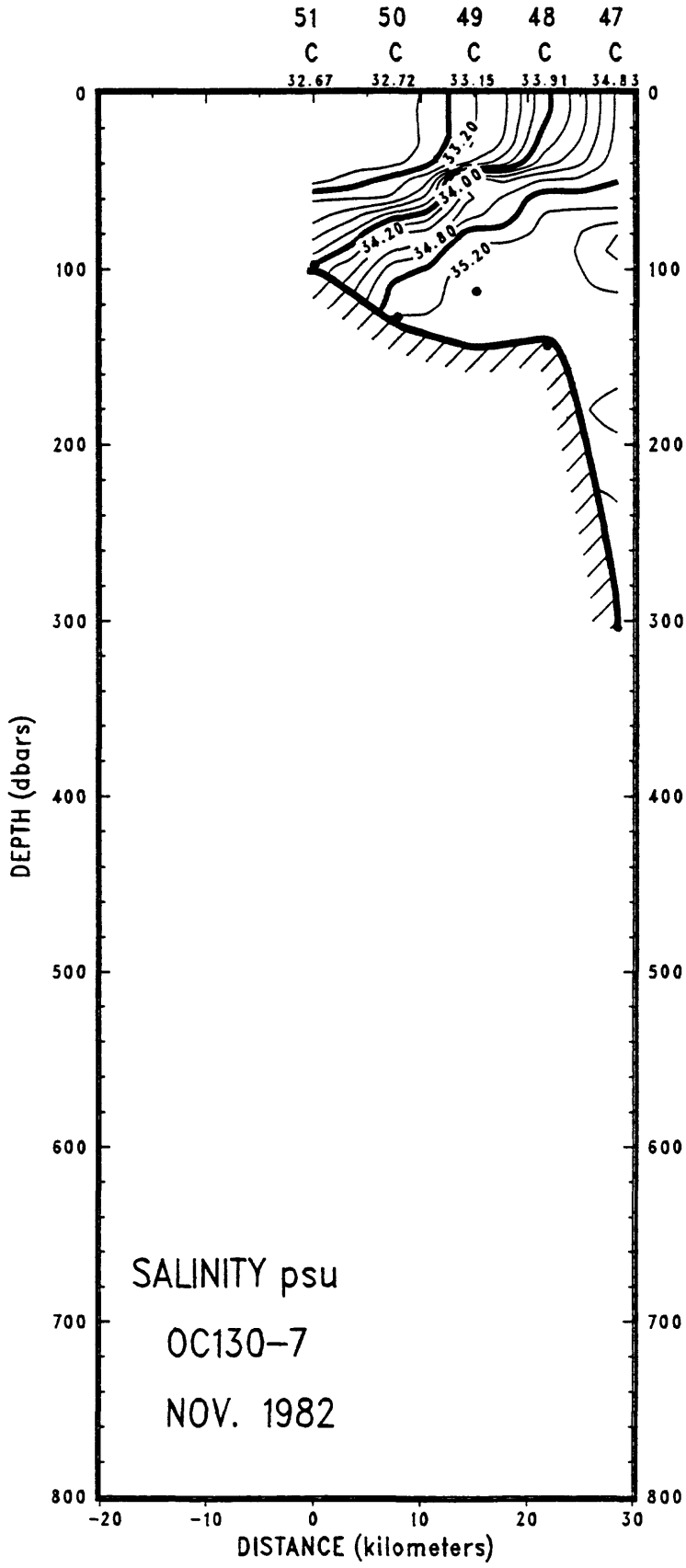

39 C 32.68
40 C 33.18
41 C 33.87
42 C 34.13
43 C 34.49
33.40
34.00
34.40
34.80
35.20
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SALINITY psu
OC130-6
NOV. 1982
-20
-10
0
10
20
30
DISTANCE (kilometers)

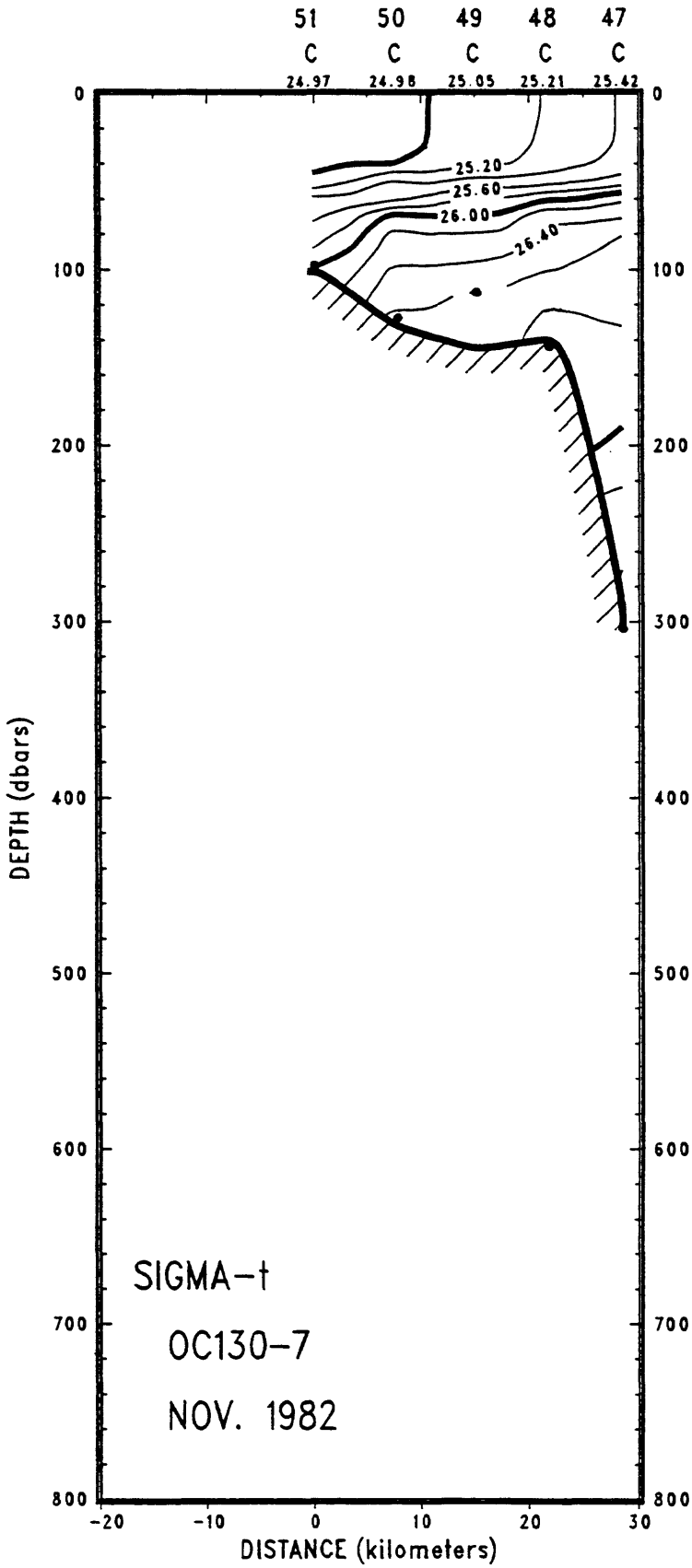

39 C 24.99
40 C 25.03
41 C 25.18
42 C 25.23
43 C 25.34
25.20
25.60
26.20
26.40
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SIGMA-t
OC130-6
NOV. 1982
-20
-10
0
10
20
30
DISTANCE (kilometers)

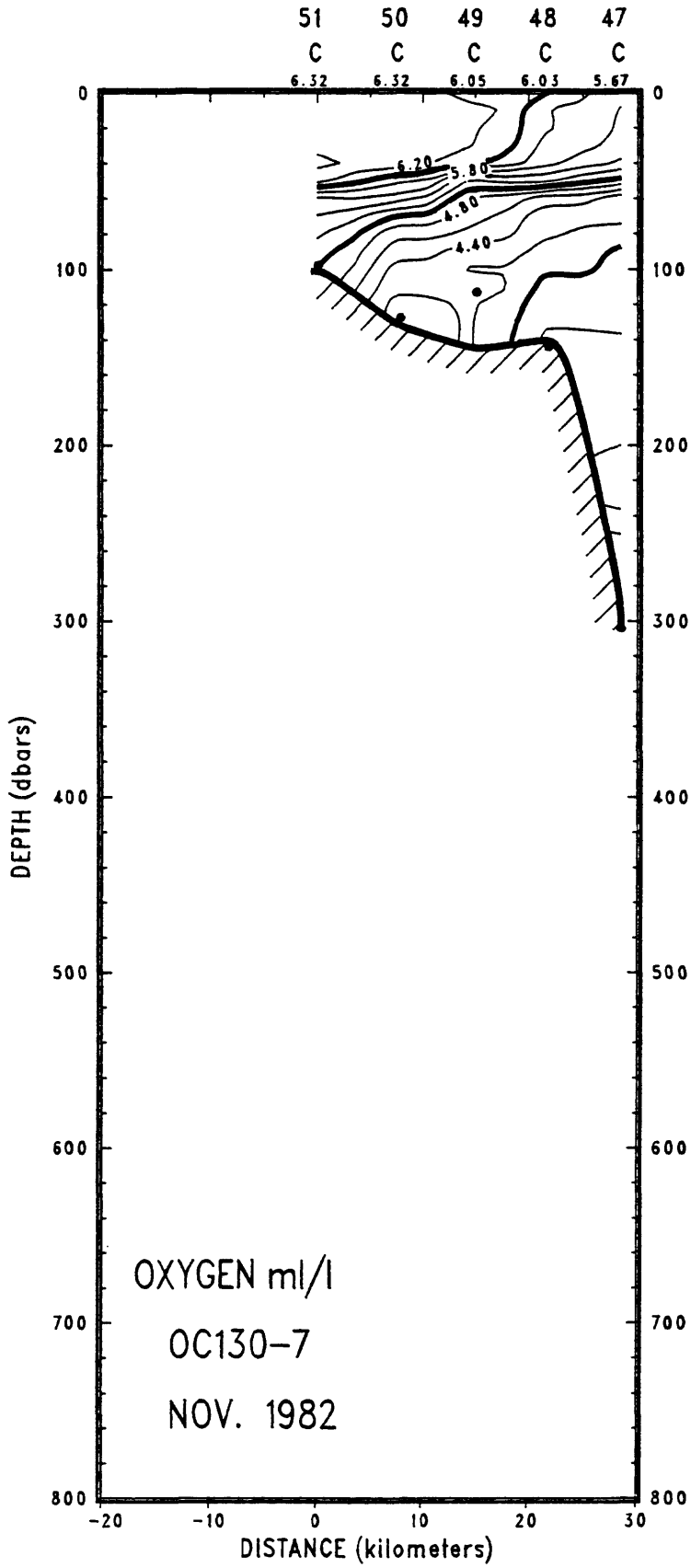

39 C 6.38
40 C 6.26
41 C 6.09
42 C 5.96
43 C 5.85
6.20
6.00
5.80
5.20
4.40
4.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
OXYGEN ml/l
OC130-6
NOV. 1982
-20
-10
0
10
20
30
DISTANCE (kilometers)

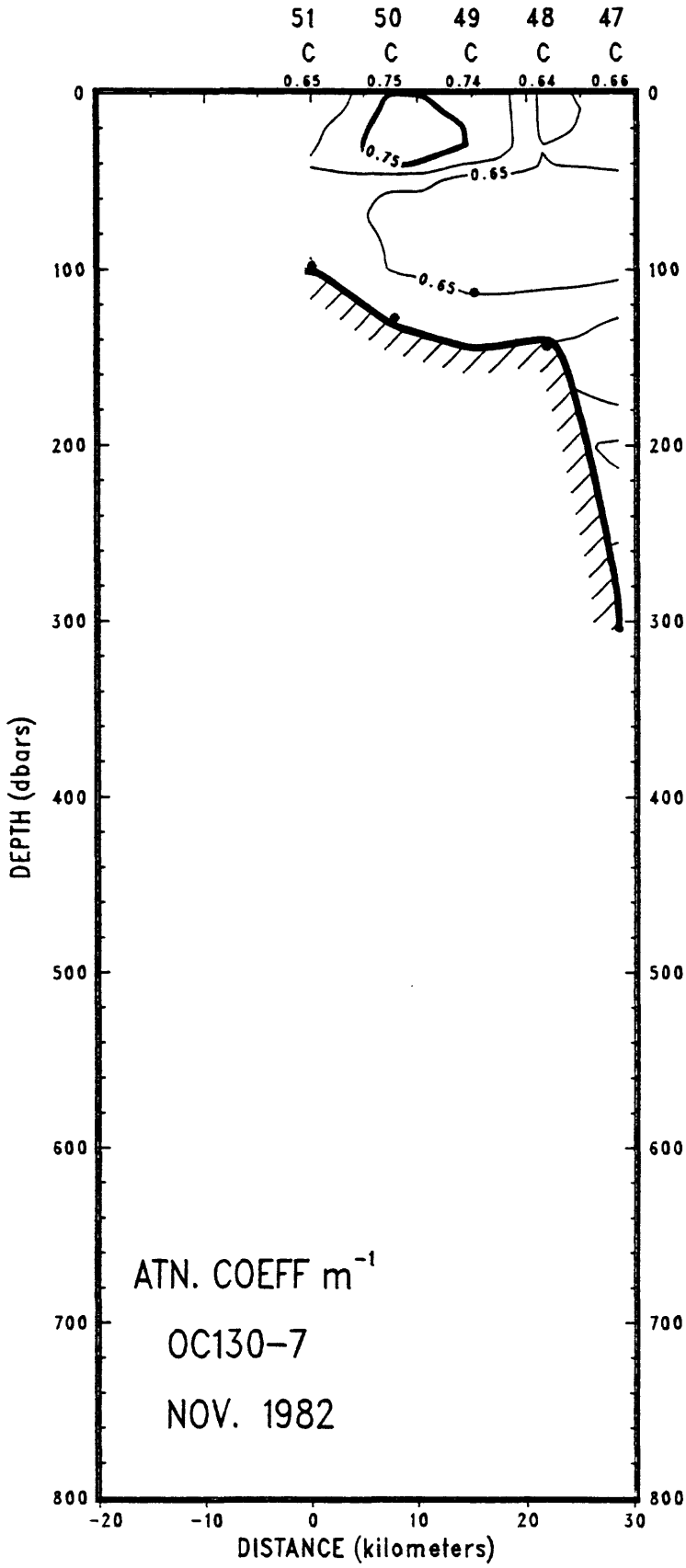

39 C
40 C
41 C
42 C
43 C
0.80
0.69
0.69
0.73
0.65
0.70
0.10
0.65
0.75
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
-20
-10
0
10
20
30
DISTANCE (kilometers)
ATN. COEFF m^{-1}
OC130-6
NOV. 1982

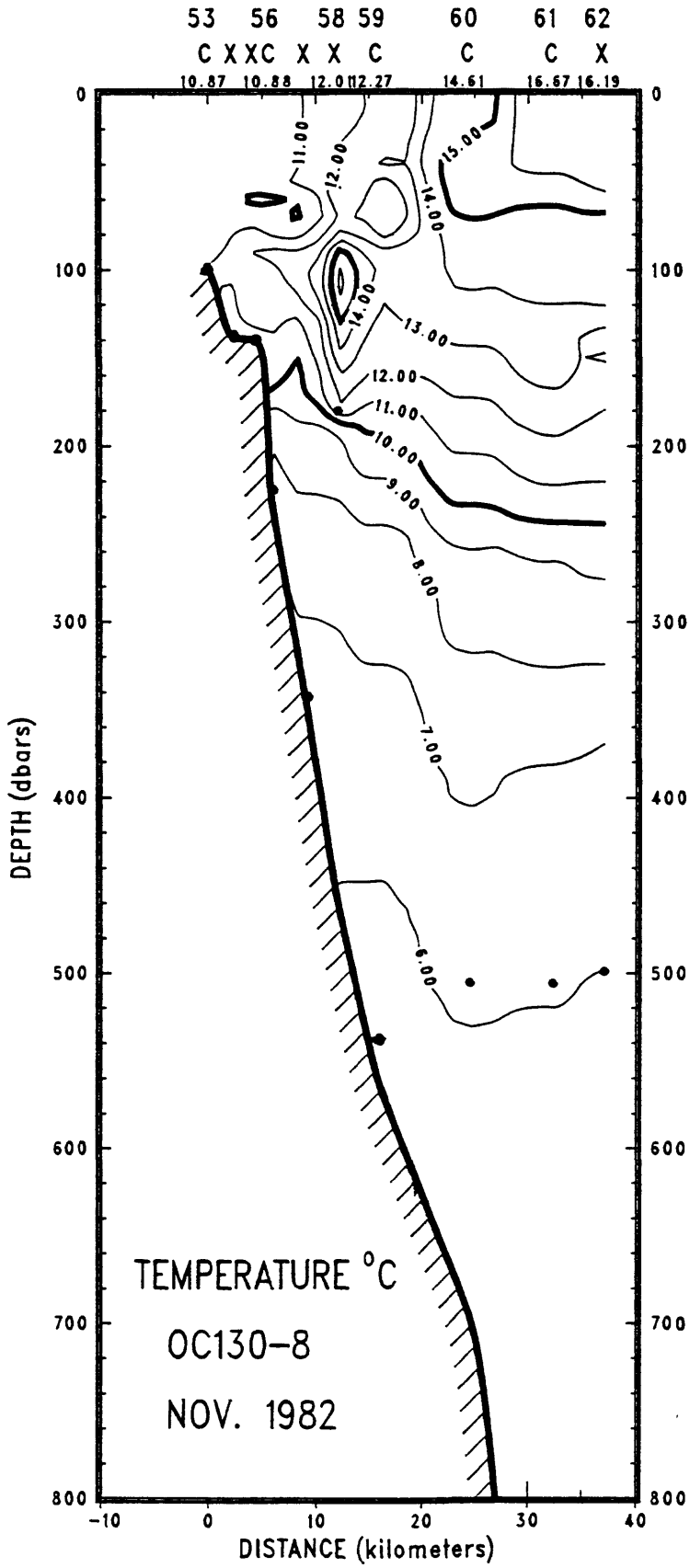

51 C 10.94
50 C 11.11
49 C 12.54
48 C 14.64
47 C 16.86
46 X 16.16
14.00
13.00
12.00
14.00
13.00
10.00
DEPTH (dbars)
DISTANCE (kilometers)
TEMPERATURE °C
OC130-7
NOV. 1982

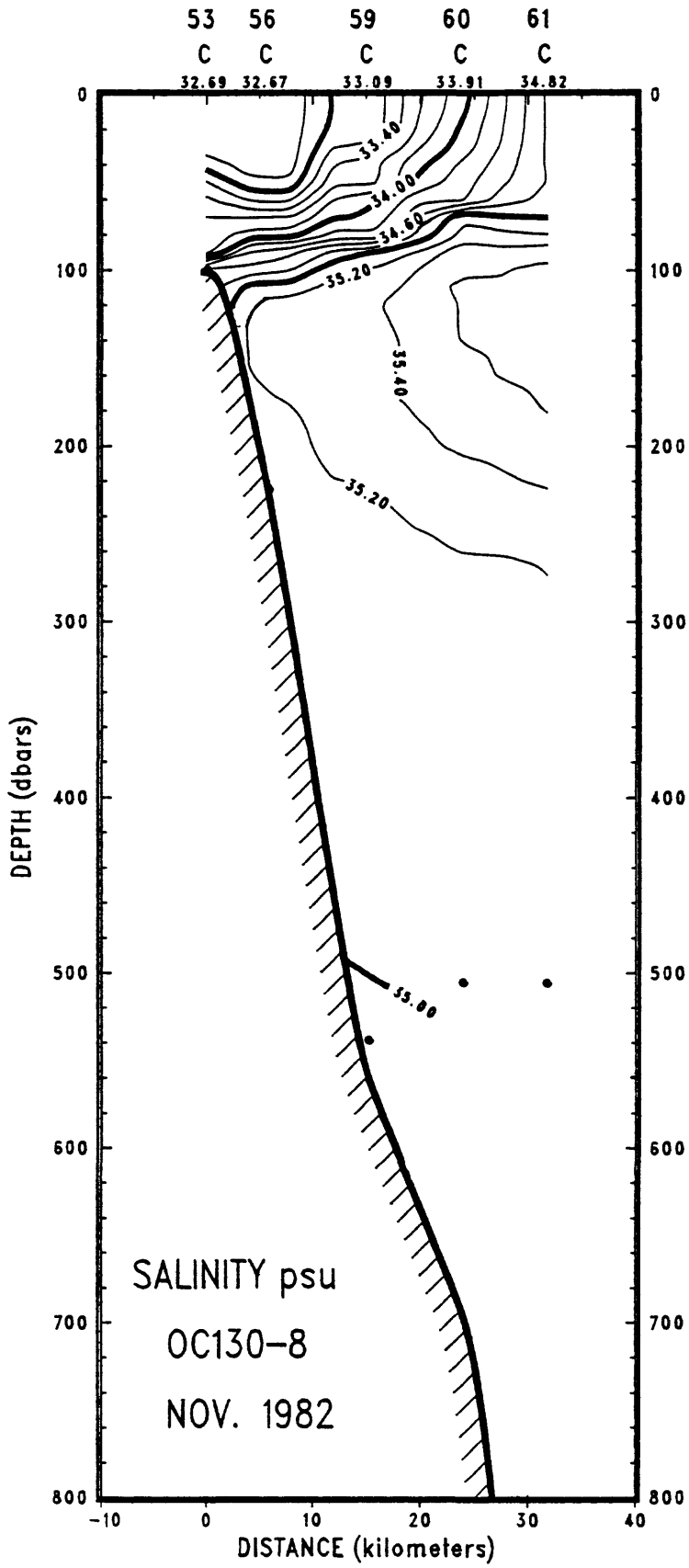

51 C
50 C
49 C
48 C
47 C
32.67
32.72
33.15
33.91
34.83
33.20
34.00
34.20
34.80
35.20
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
-20
-10
0
10
20
30
DISTANCE (kilometers)
SALINITY psu
OC130-7
NOV. 1982

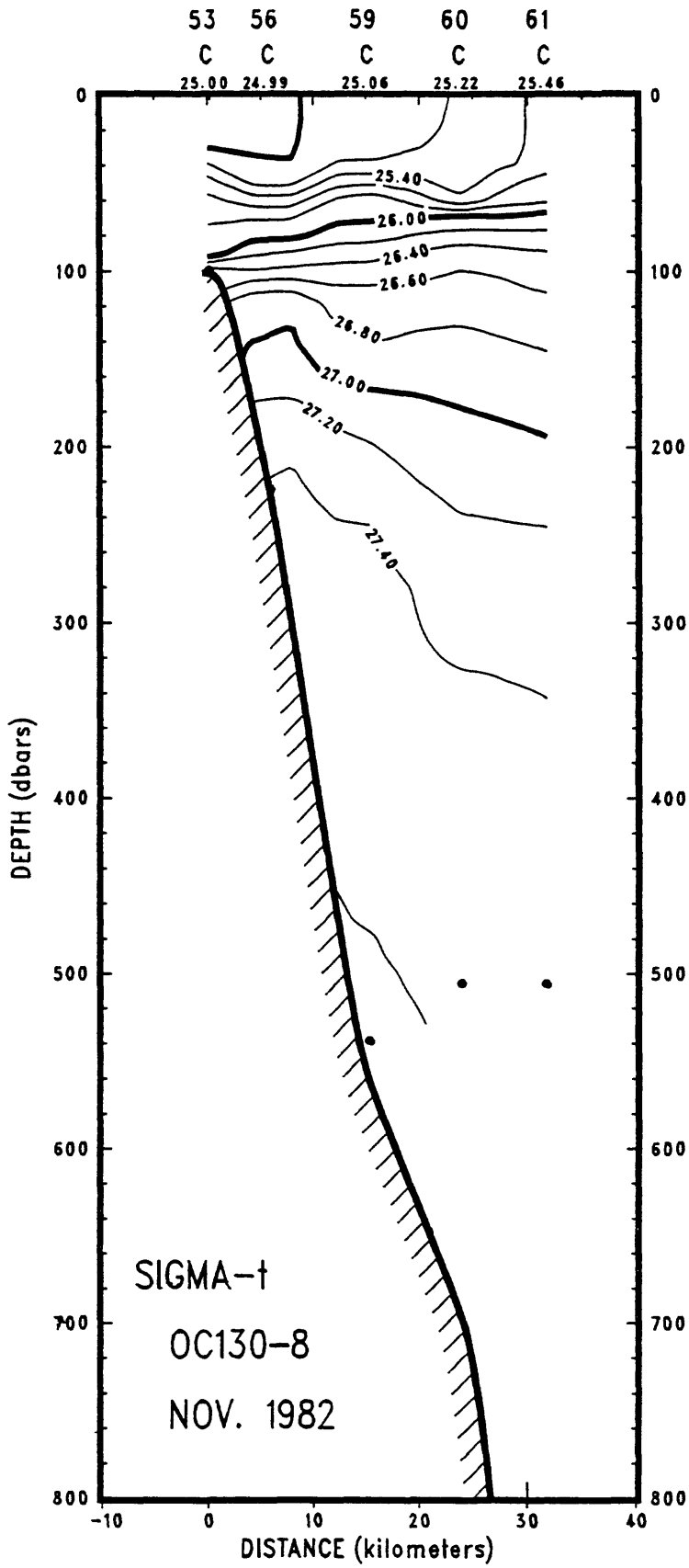

51 C 24.97
50 C 24.98
49 C 25.05
48 C 25.21
47 C 25.42
25.20
25.60
26.00
26.40
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SIGMA-t
OC130-7
NOV. 1982
-20
-10
0
10
20
30
DISTANCE (kilometers)

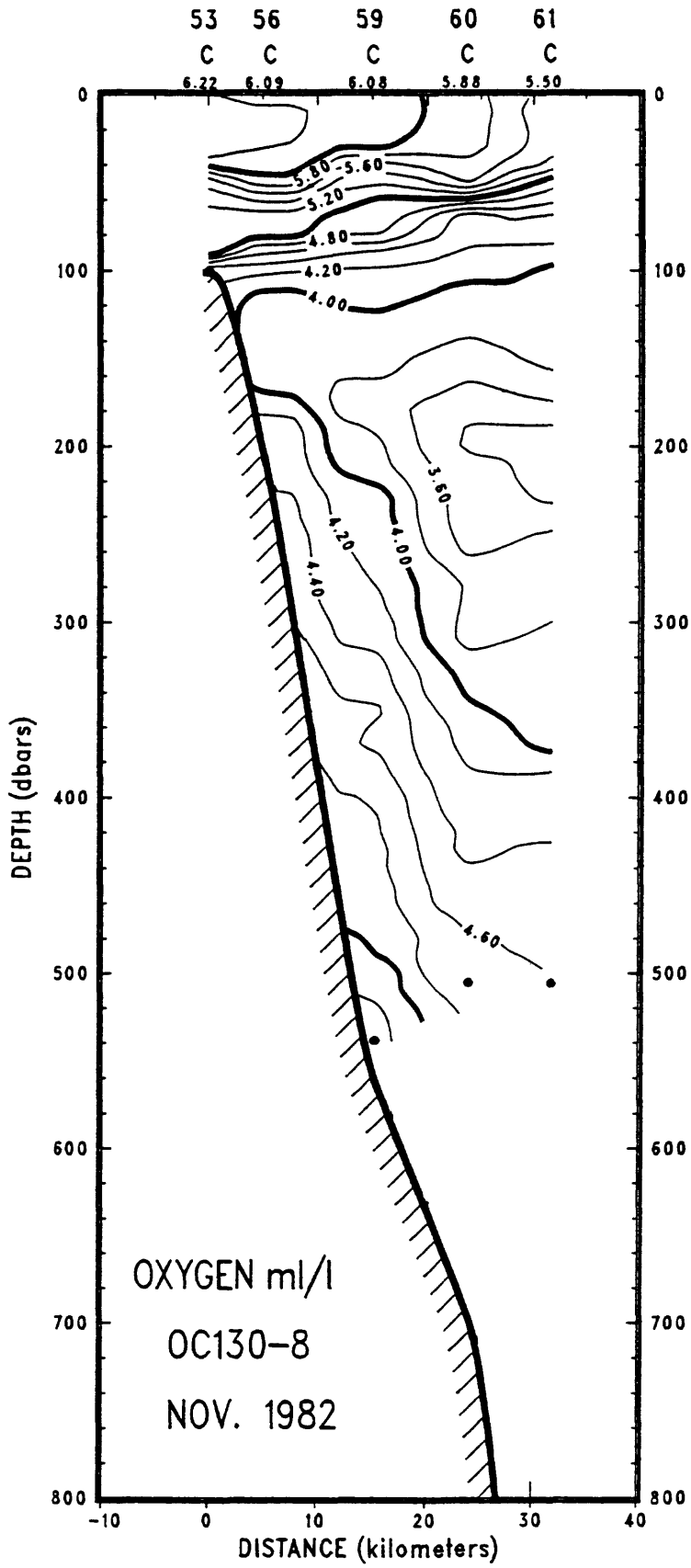

51 C 6.32
50 C 6.32
49 C 6.05
48 C 6.03
47 C 5.67
6.20
5.80
4.80
4.40
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
-20
-10
0
10
20
30
DISTANCE (kilometers)
OXYGEN ml/l
OC130-7
NOV. 1982

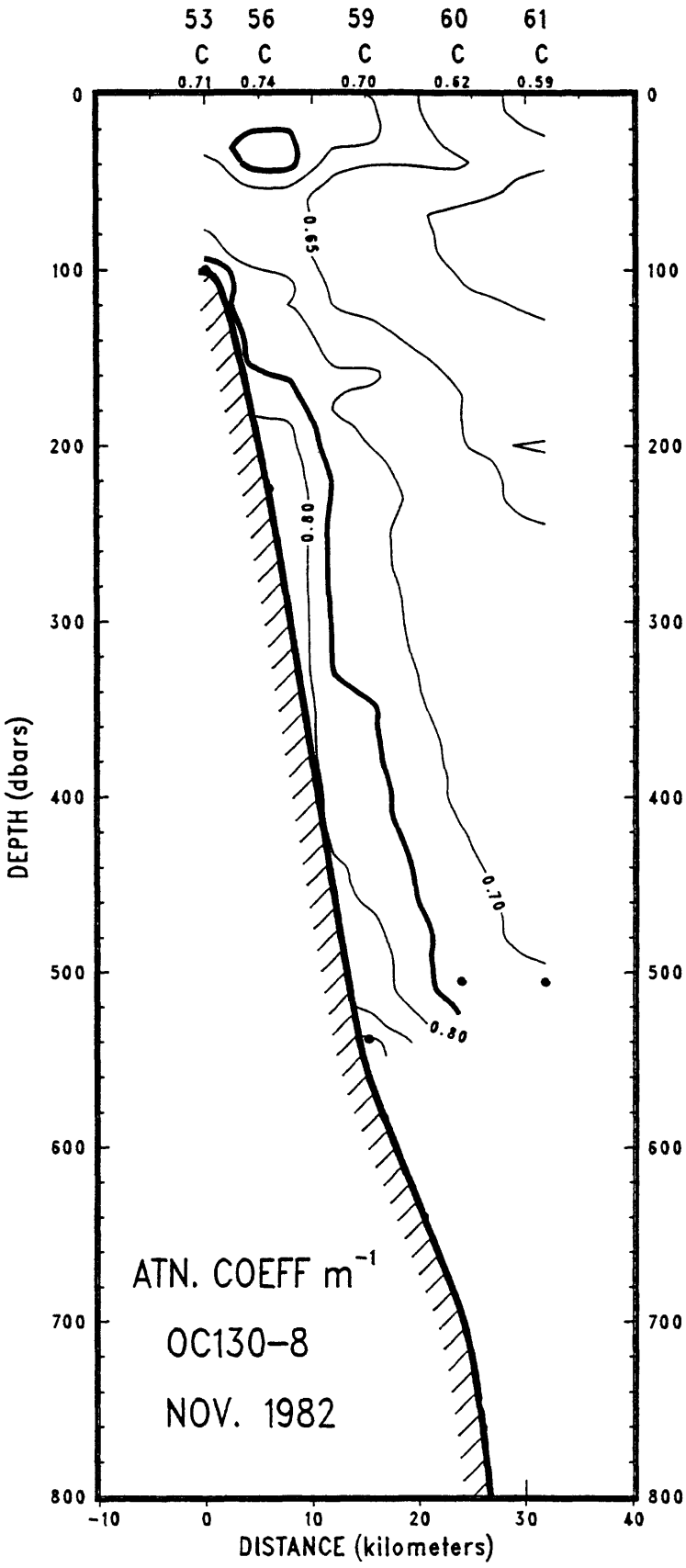

51 C
50 C
49 C
48 C
47 C
0.65
0.75
0.74
0.64
0.66
0.75
0.65
0.65
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
ATN. COEFF m^{-1}
OC130-7
NOV. 1982
-20
-10
0
10
20
30
DISTANCE (kilometers)

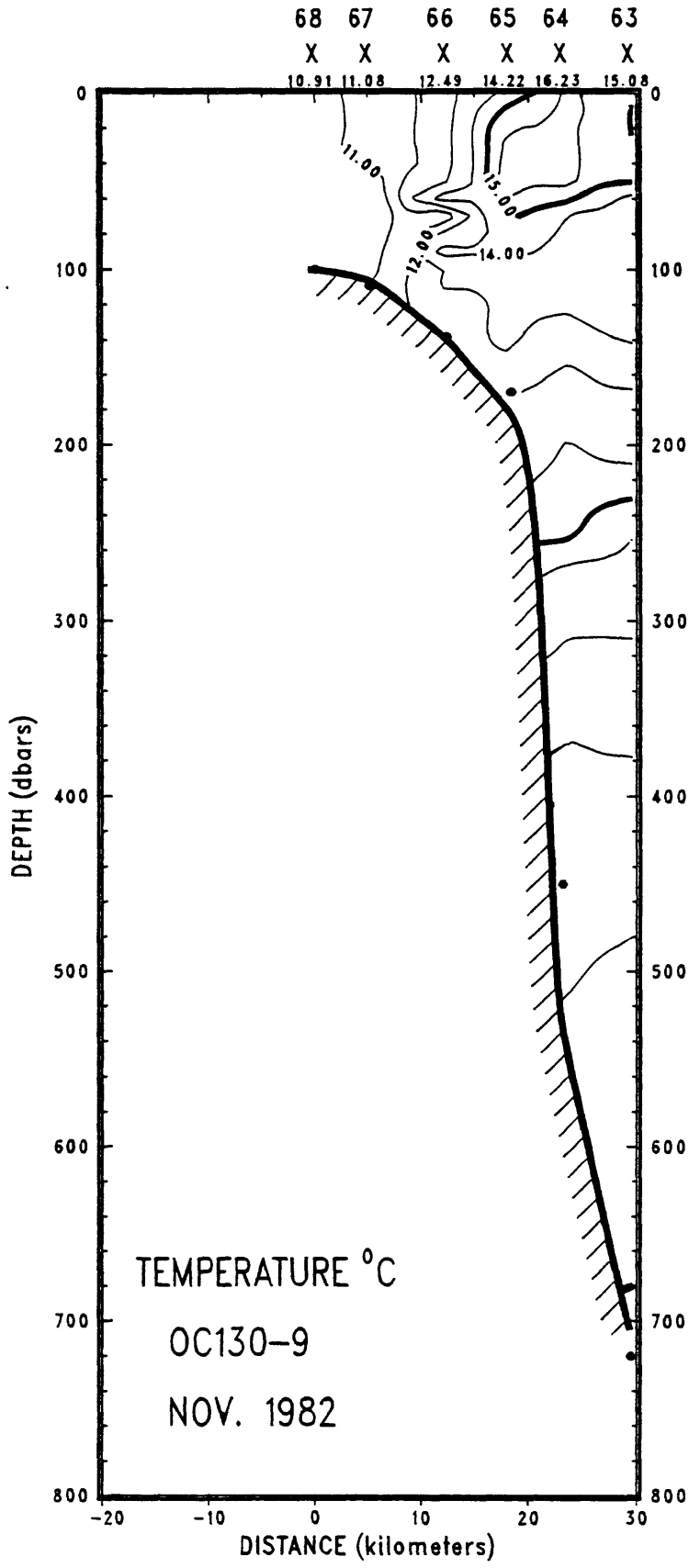

53 56 58 59 60 61 62
C X XC X X C C C X
10.87 10.88 12.0 12.27 14.61 16.67 16.19
11.00
12.00
15.00
14.00
14.00
13.00
12.00
11.00
10.00
9.00
8.00
7.00
6.00
TEMPERATURE °C
OC130-8
NOV. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-10
0
10
20
30
40

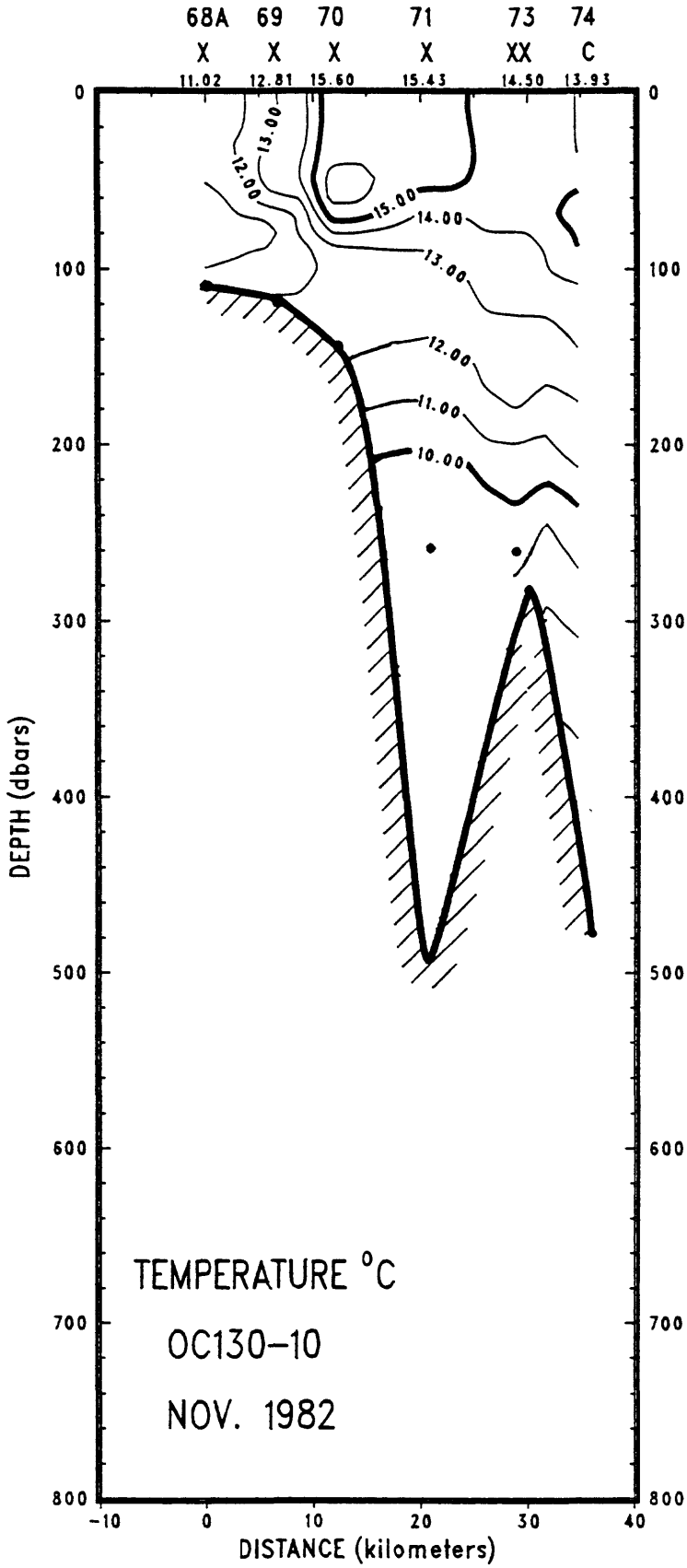

53 C 32.69
56 C 32.67
59 C 33.09
60 C 33.91
61 C 34.82
33.40
34.00
34.50
35.20
35.40
35.20
35.00
SALINITY psu
OC130-8
NOV. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-10
0
10
20
30
40


53 C 25.00
56 C 24.99
59 C 25.06
60 C 25.22
61 C 25.46
25.40
26.00
26.40
26.60
26.80
27.00
27.20
27.40
SIGMA-t
OC130-8
NOV. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-10
0
10
20
30
40


53 C 6.22
56 C 6.09
59 C 6.08
60 C 5.88
61 C 5.50
5.80
5.60
5.20
4.80
4.20
4.00
3.60
4.20
4.00
4.40
4.60
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
-10
0
10
20
30
40
DISTANCE (kilometers)
OXYGEN ml/l
OC130-8
NOV. 1982

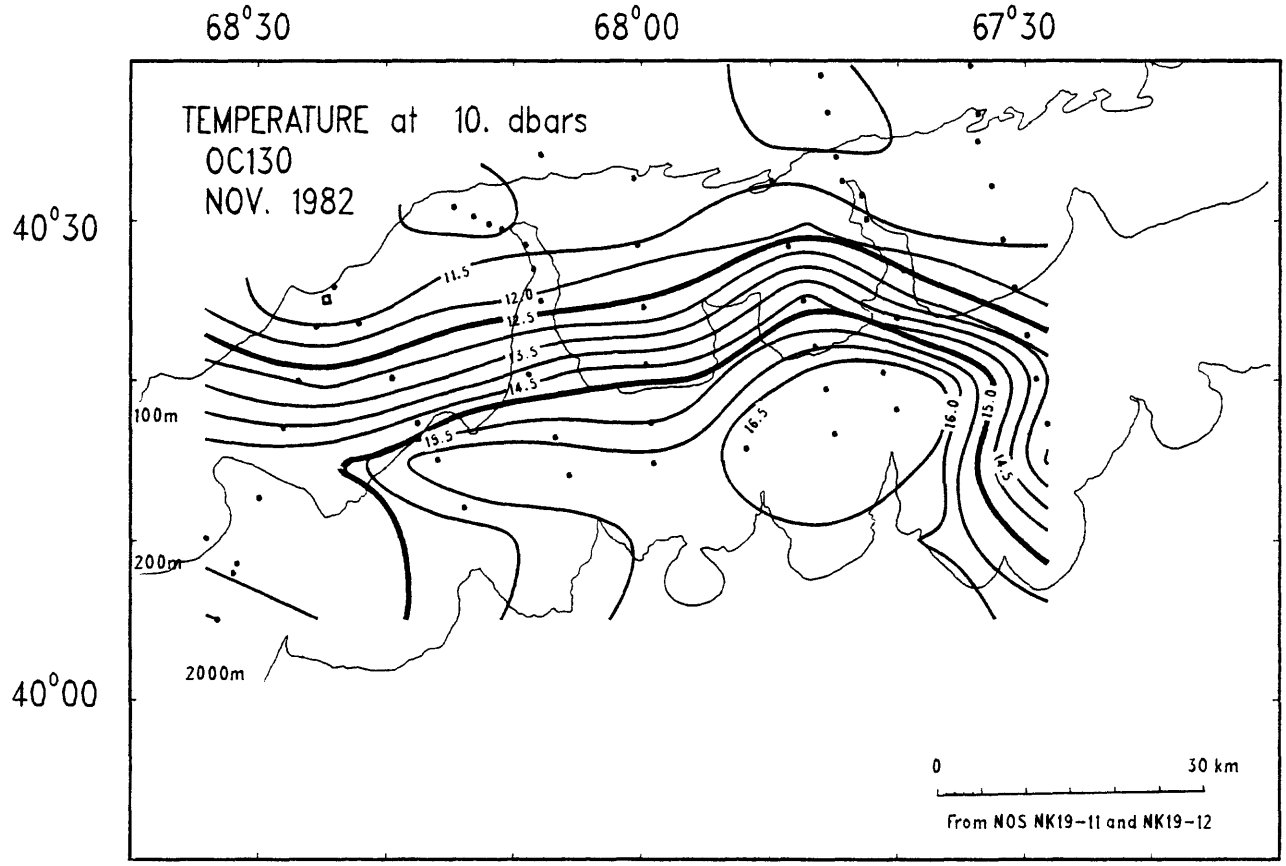

53 C 0.71
56 C 0.74
59 C 0.70
60 C 0.62
61 C 0.59
0.65
0.80
0.70
0.80
ATN. COEFF m⁻¹
OC130-8
NOV. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-10
0
10
20
30
40

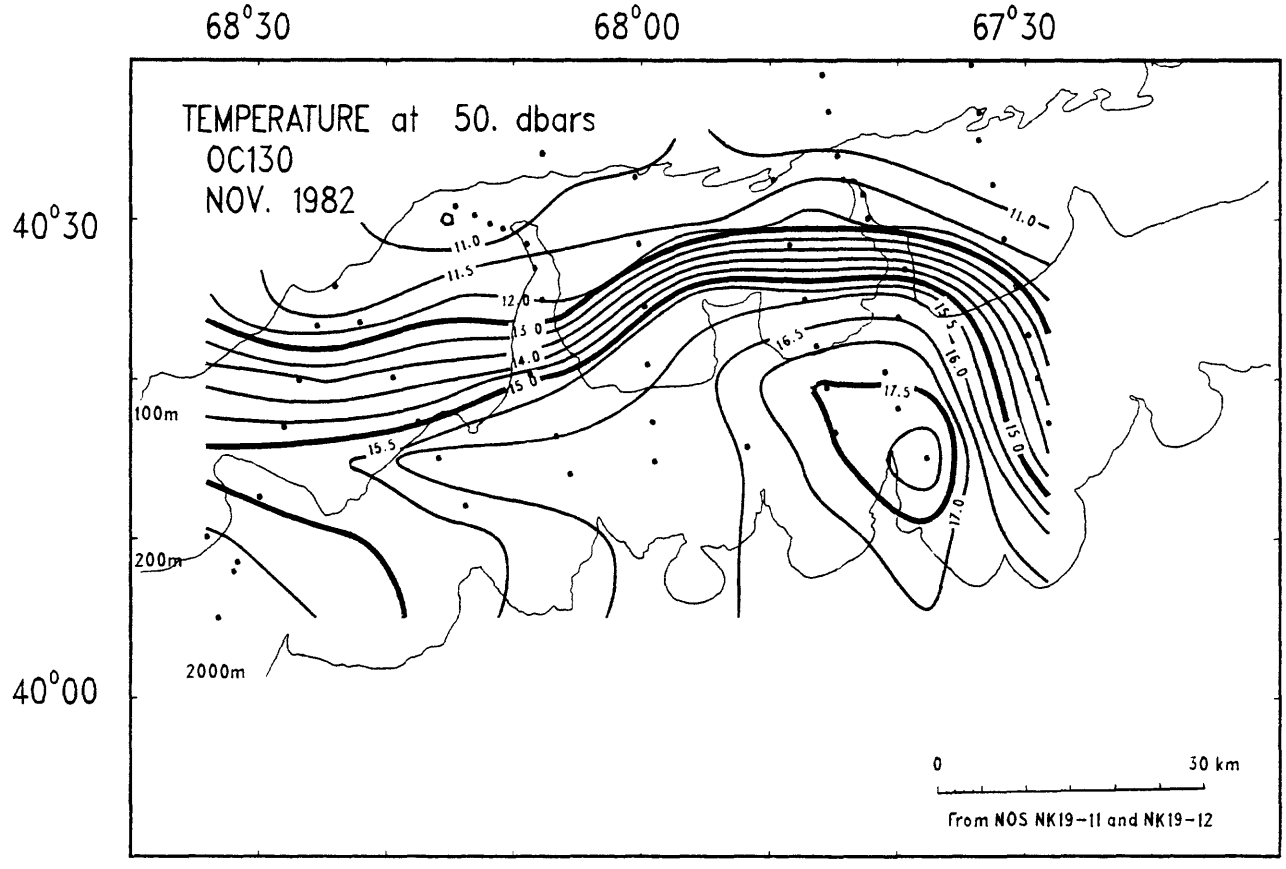

68 67 66 65 64 63
10.91 11.08 12.49 14.22 16.23 15.08
11.00
12.00
14.00
15.00
DEPTH (dbars)
DISTANCE (kilometers)
TEMPERATURE °C
OC130-9
NOV. 1982

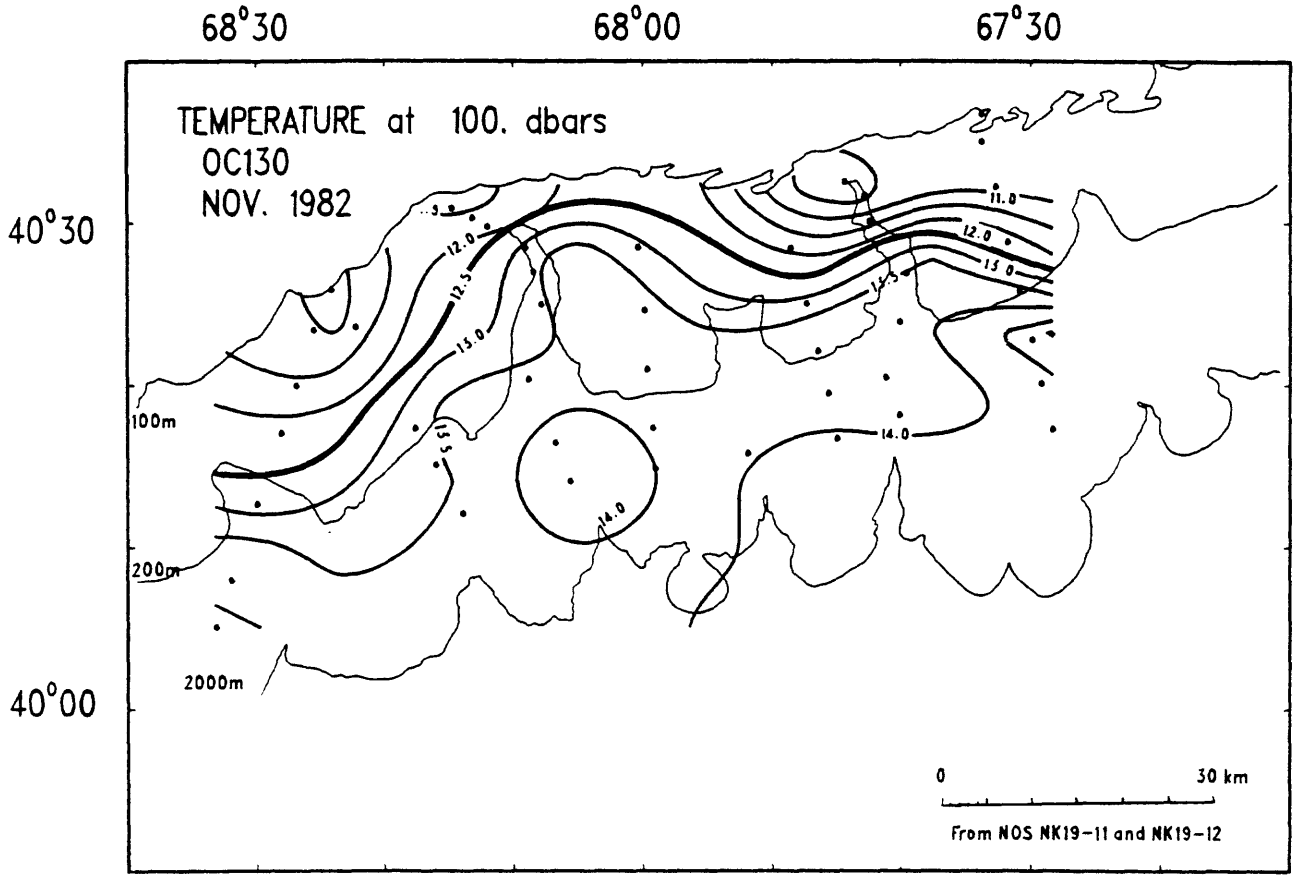

68A 69 70 71 73 74
X X X X XX C
11.02 12.81 15.60 15.43 14.50 13.93
13.00
12.00
15.00
14.00
13.00
12.00
11.00
10.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
TEMPERATURE °C
OC130-10
NOV. 1982
-10
0
10
20
30
40
DISTANCE (kilometers)

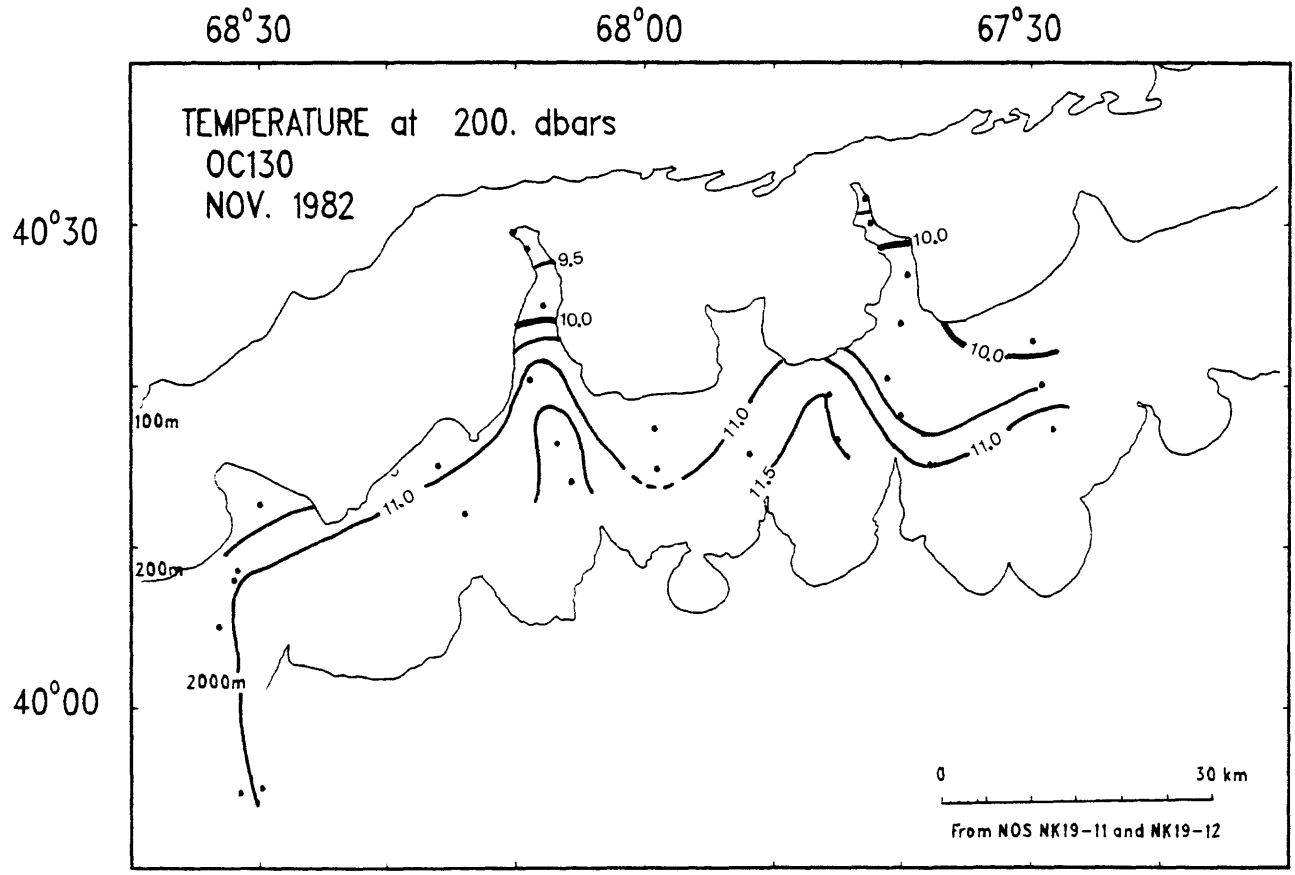
Horizontal sections

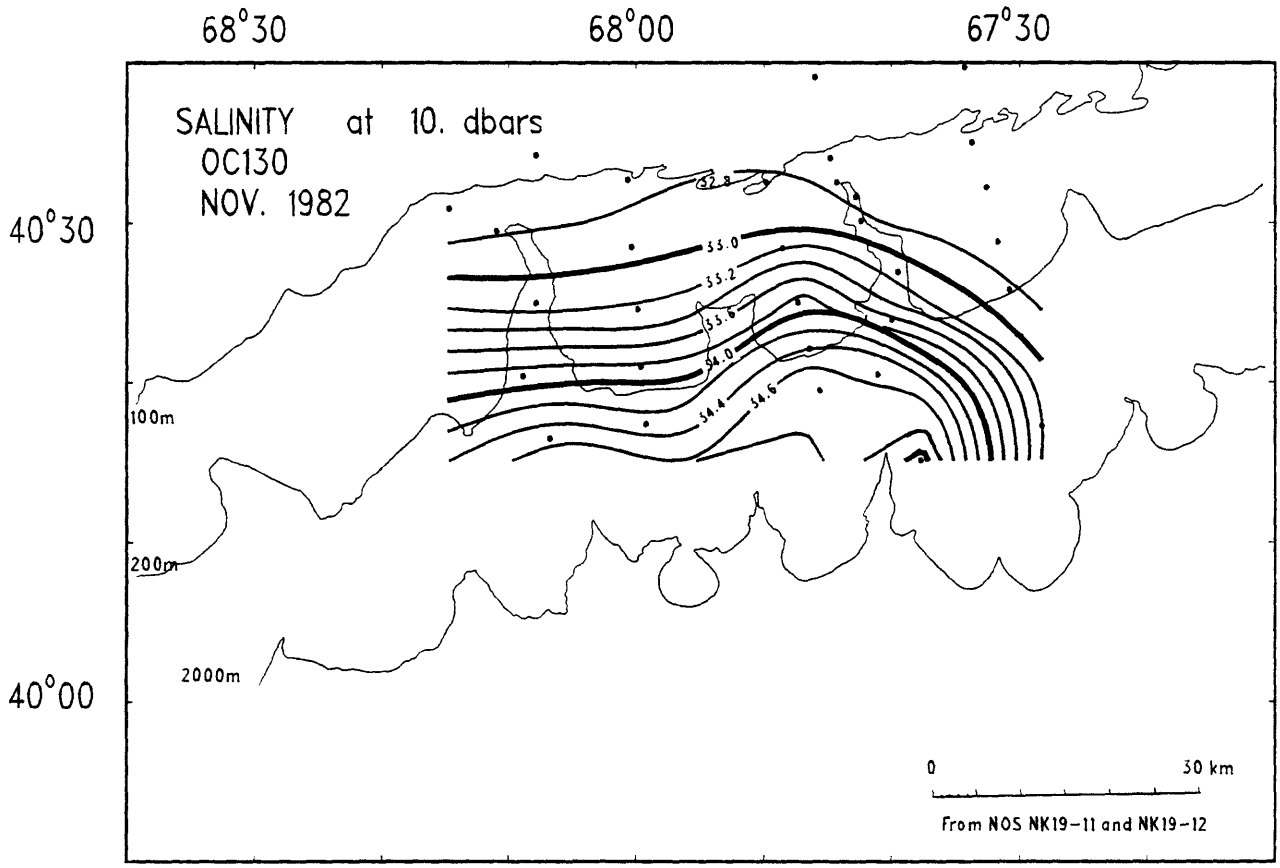
Horizontal sections were constructed on the 10-, 50-, 100-, and 200-dbar pressure surfaces. The contoured area is a rectangle defined by the stations at the extreme southwest and northeast corners. The data were interpreted onto a grid with 5 grid lines running north-south and east-west for each variable except temperature which had 6 grid lines in each direction. Dots indicate the location of stations that were used in contouring the section. The sections at 10, 50, and 100 dbars were contoured using computer subroutines similar to those used for the vertical sections. The 200-dbar section was contoured by hand.

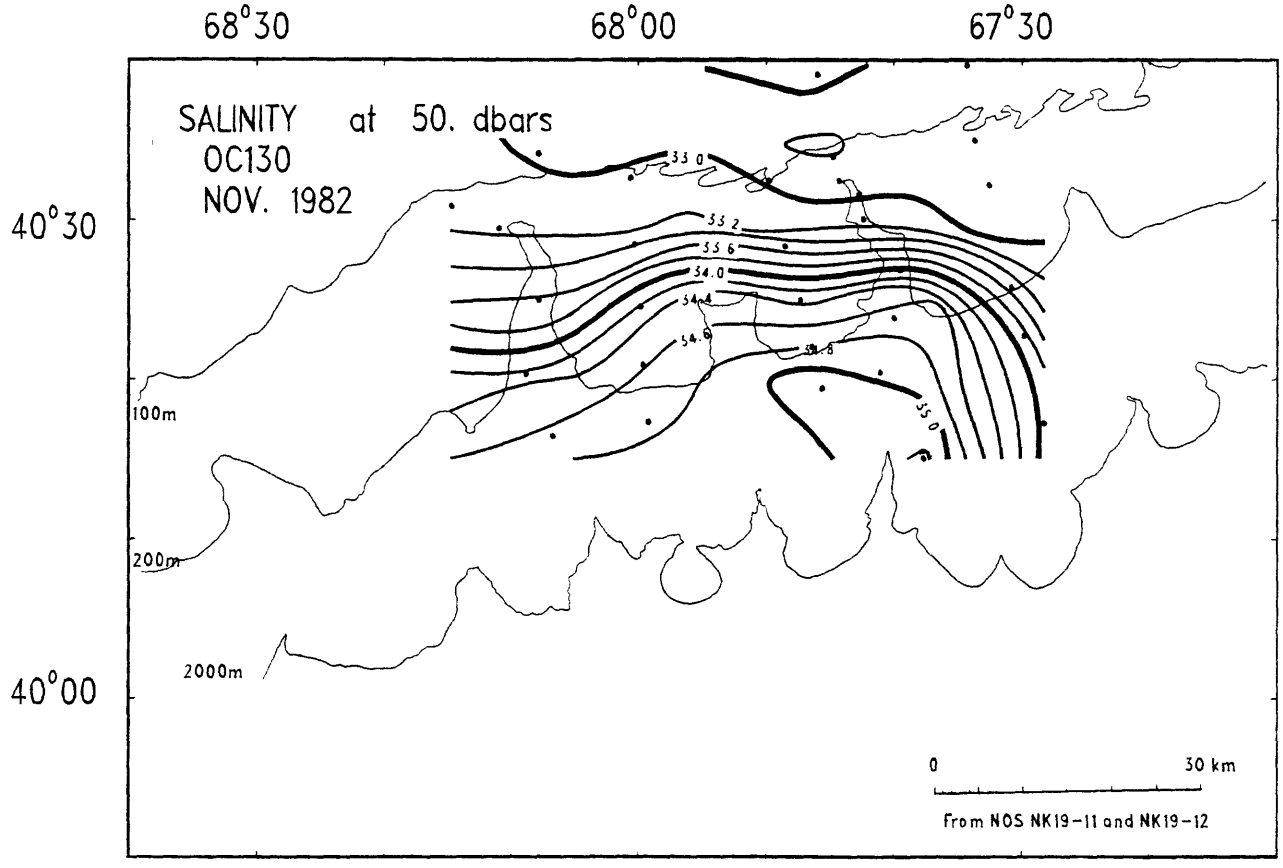

68°30
68°00
67°30
TEMPERATURE at 10. dbars
OC130
NOV. 1982
40°30
40°00
100m
200m
2000m
11.5
12.0
12.5
13.5
14.5
15.5
16.5
16.0
15.0
14.5
0
30 km
From NOS NK19-11 and NK19-12

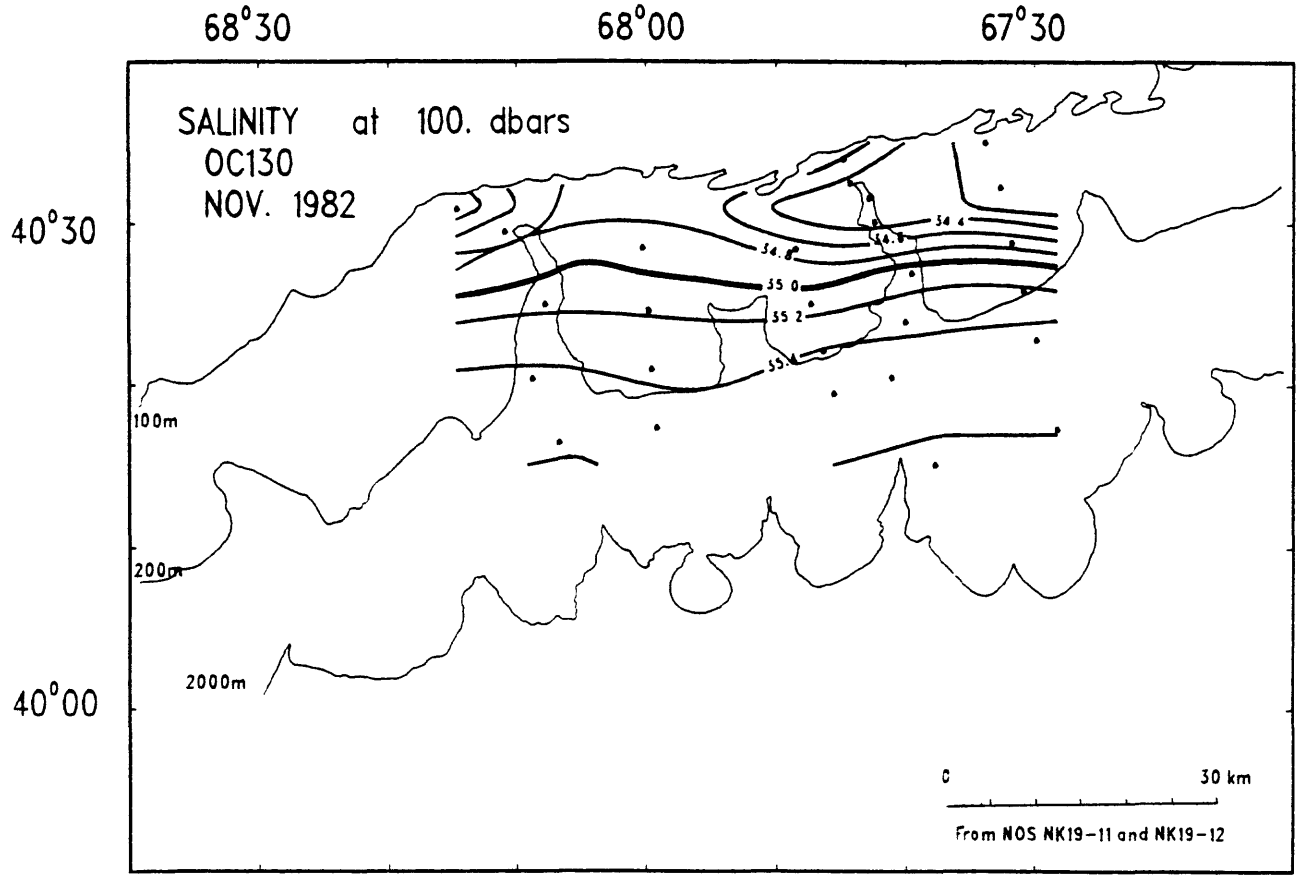

68°30
68°00
67°30
TEMPERATURE at 50. dbars
OC130
NOV. 1982
40°30
40°00
100m
200m
2000m
11.0
11.5
12.0
13.0
14.0
15.0
15.5
16.5
15.5-16.0
17.5
15.0
17.0
0
30 km
From NOS NK19-11 and NK19-12

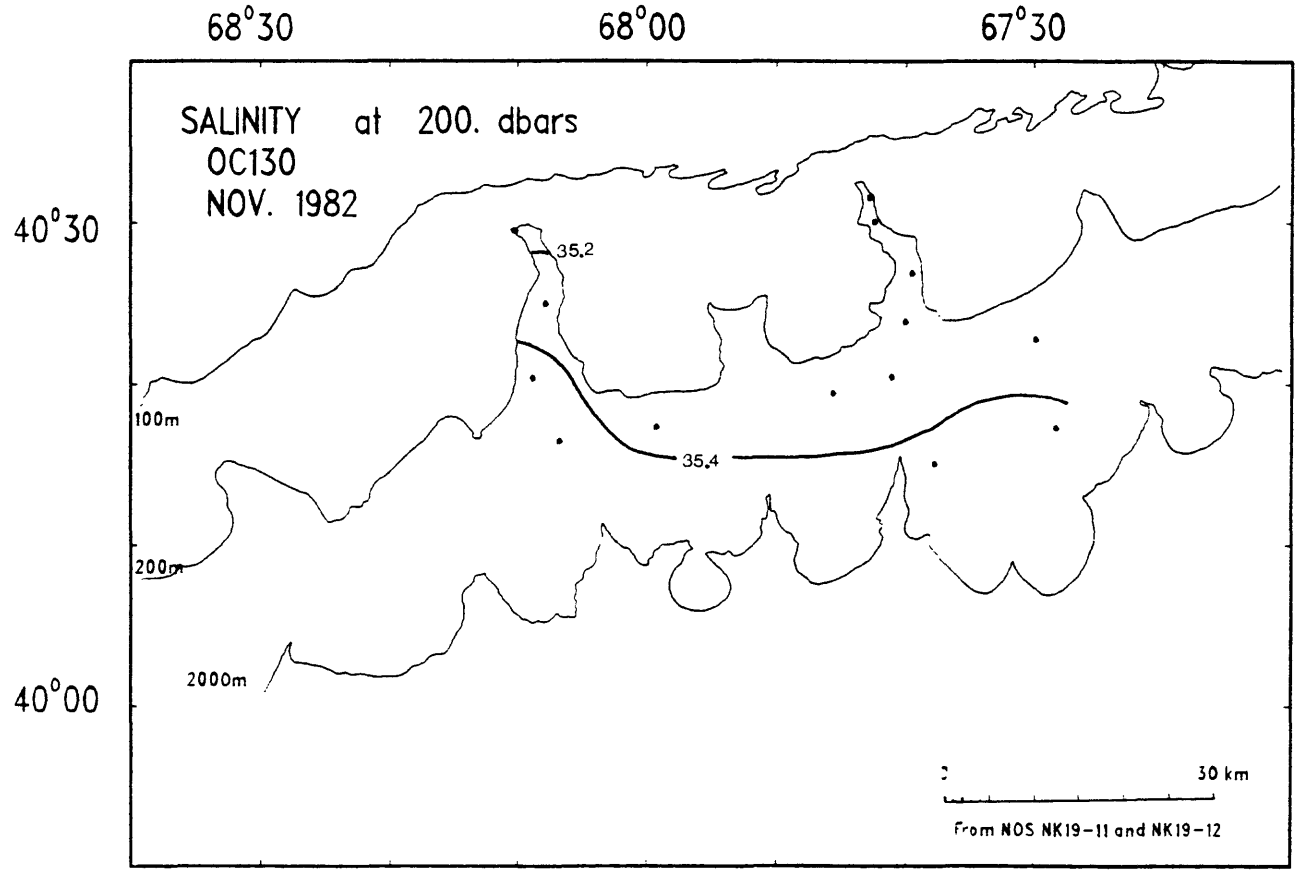

68°30
68°00
67°30
TEMPERATURE at 100. dbars
OC130
NOV. 1982
40°30
40°00
100m
200m
2000m
11.0
12.0
12.5
13.0
13.5
14.0
0
30 km
From NOS NK19-11 and NK19-12

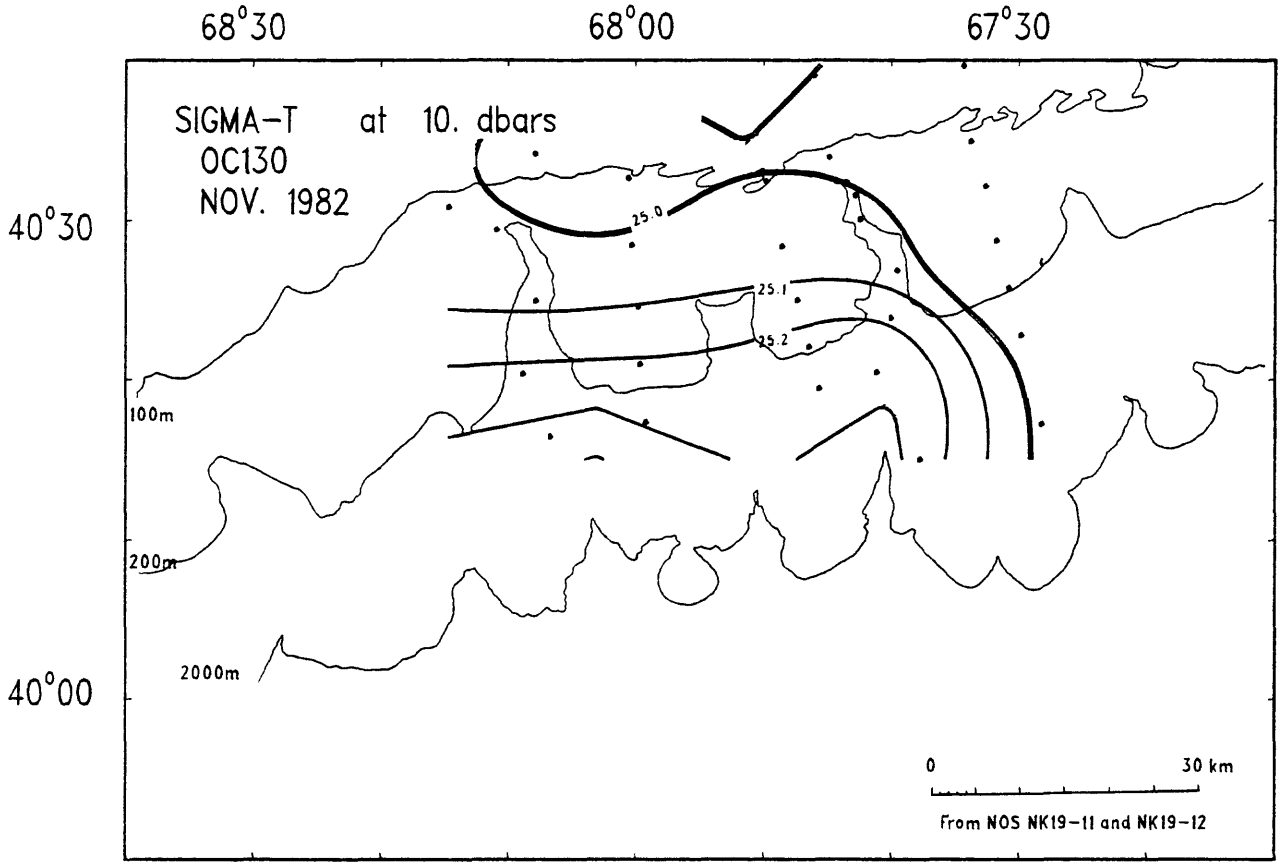

68°30
68°00
67°30
TEMPERATURE at 200. dbars
OC130
NOV. 1982
40°30
40°00
100m
200m
2000m
9.5
10.0
10.0
10.0
11.0
11.0
11.5
0
30 km
From NOS NK19-11 and NK19-12

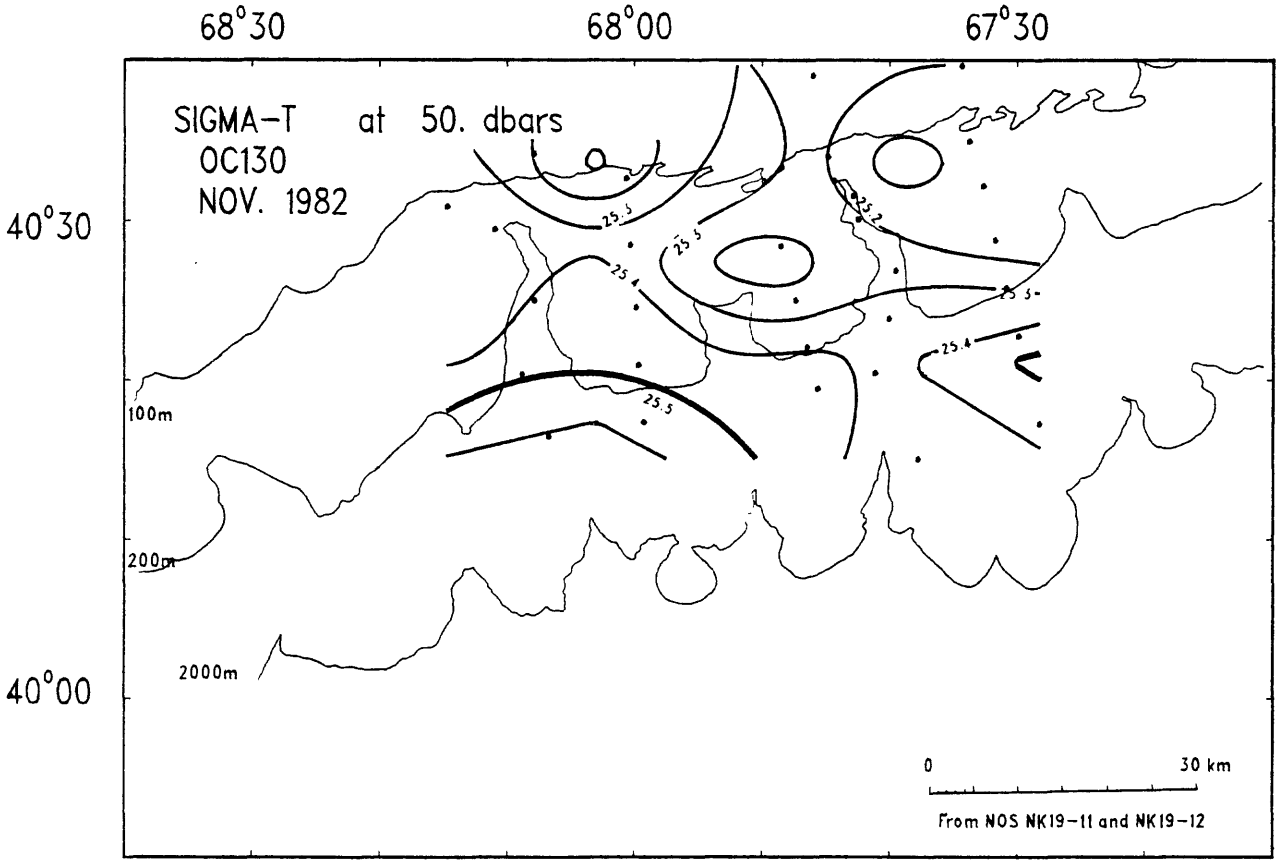

68°30
68°00
67°30
SALINITY at 10. dbars
OC130
NOV. 1982
40°30
40°00
100m
200m
2000m
32.8
35.0
35.2
35.6
54.0
54.4
54.6
0
30 km
From NOS NK19-11 and NK19-12

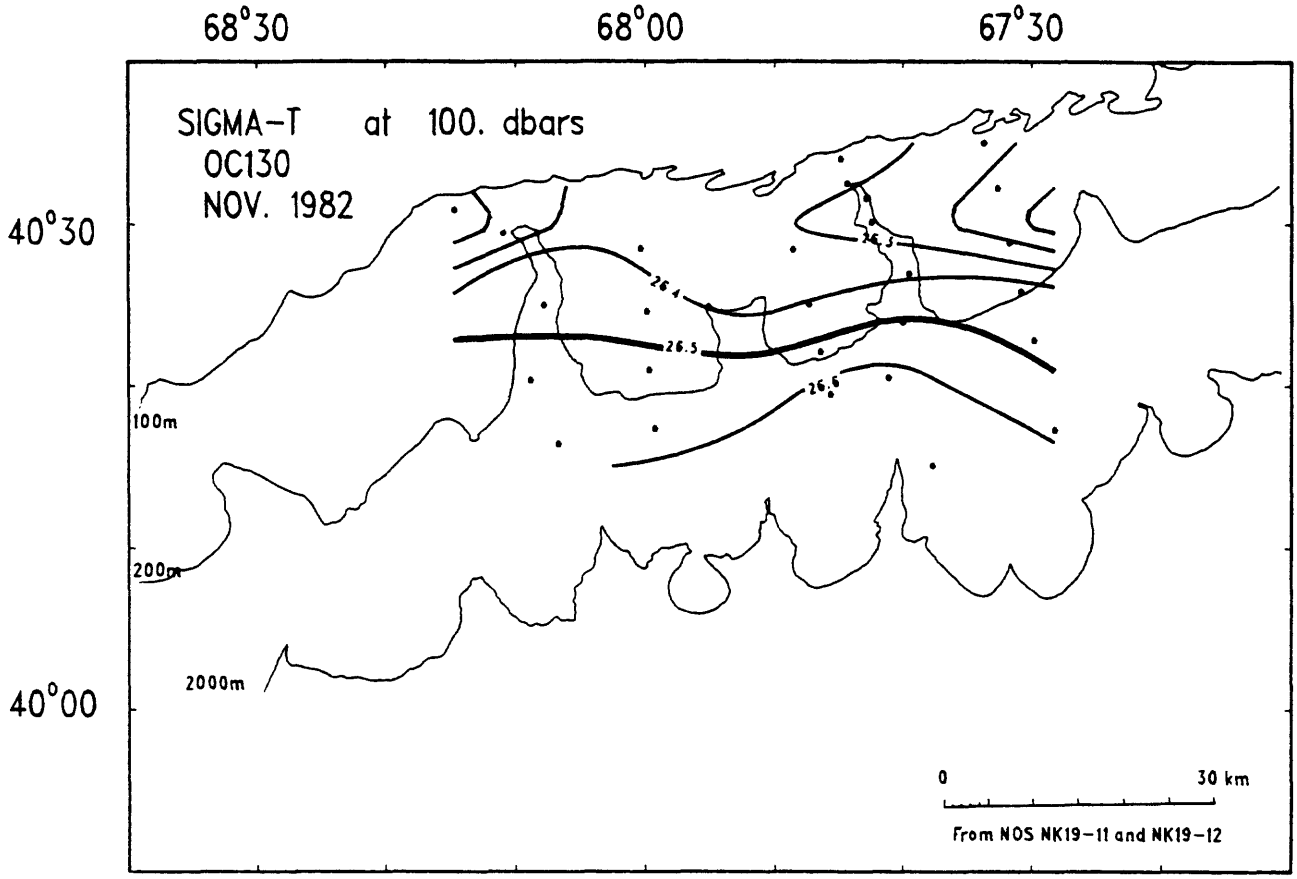

68°30
68°00
67°30
SALINITY at 50. dbars
OC130
NOV. 1982
40°30
40°00
100m
200m
2000m
33.0
35.2
35.6
54.0
54.4
54.6
54.8
55.0
0
30 km
From NOS NK19-11 and NK19-12

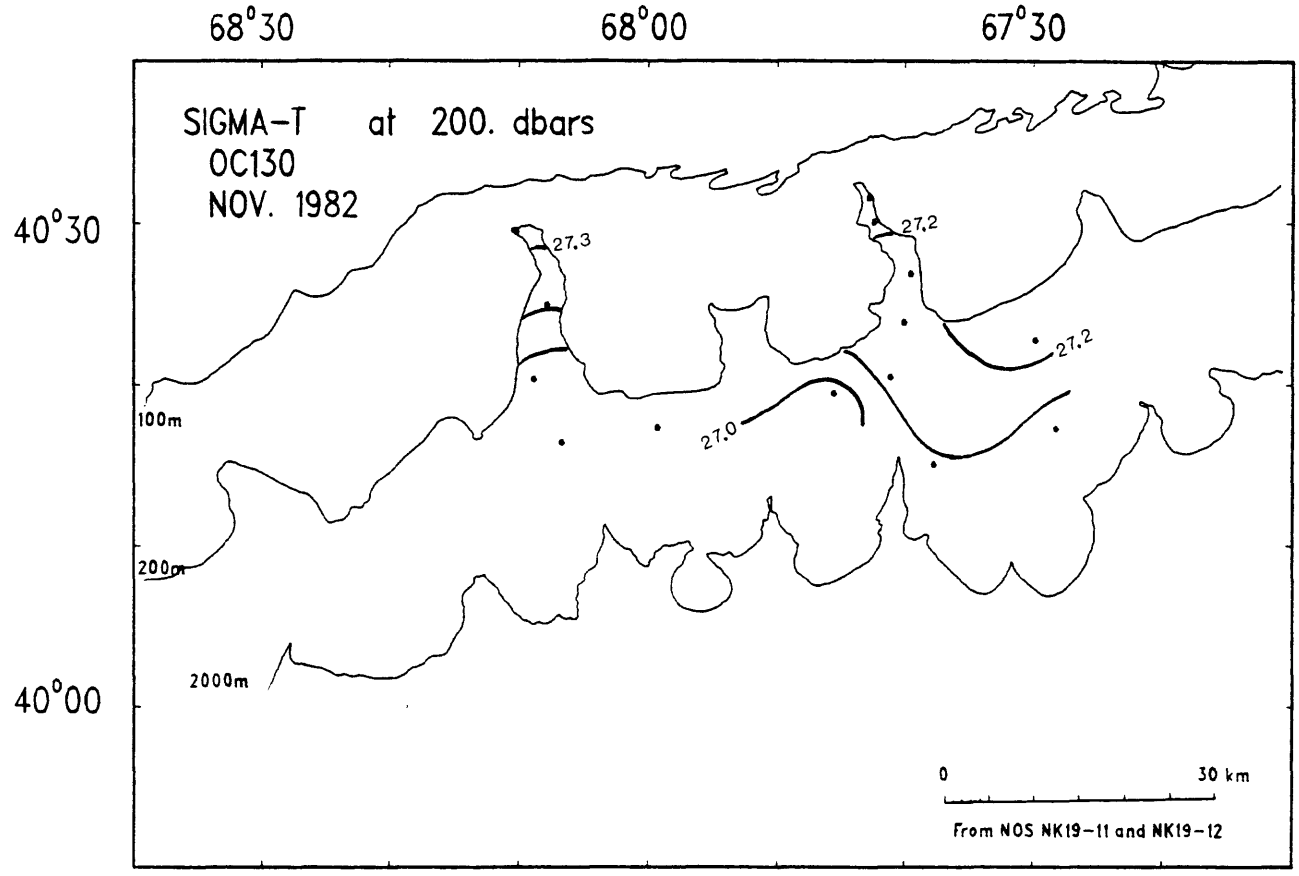

68°30
68°00
67°30
SALINITY at 100. dbars
OC130
NOV. 1982
40°30
40°00
100m
200m
2000m
34.8
35.0
35.2
35.4
0
30 km
From NOS NK19-11 and NK19-12

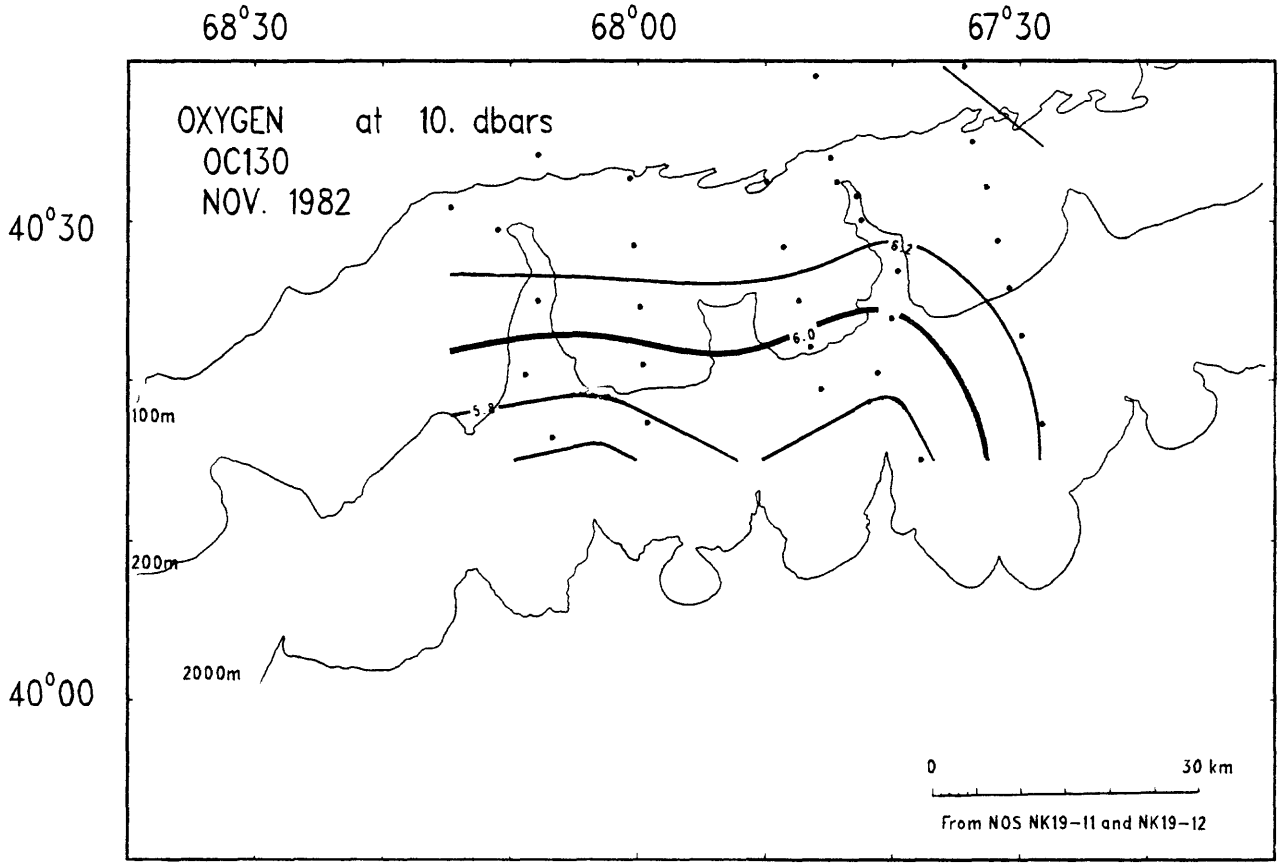

68°30
68°00
67°30
SALINITY at 200. dbars
OC130
NOV. 1982
40°30
40°00
100m
200m
2000m
35.2
35.4
30 km
From NOS NK19-11 and NK19-12

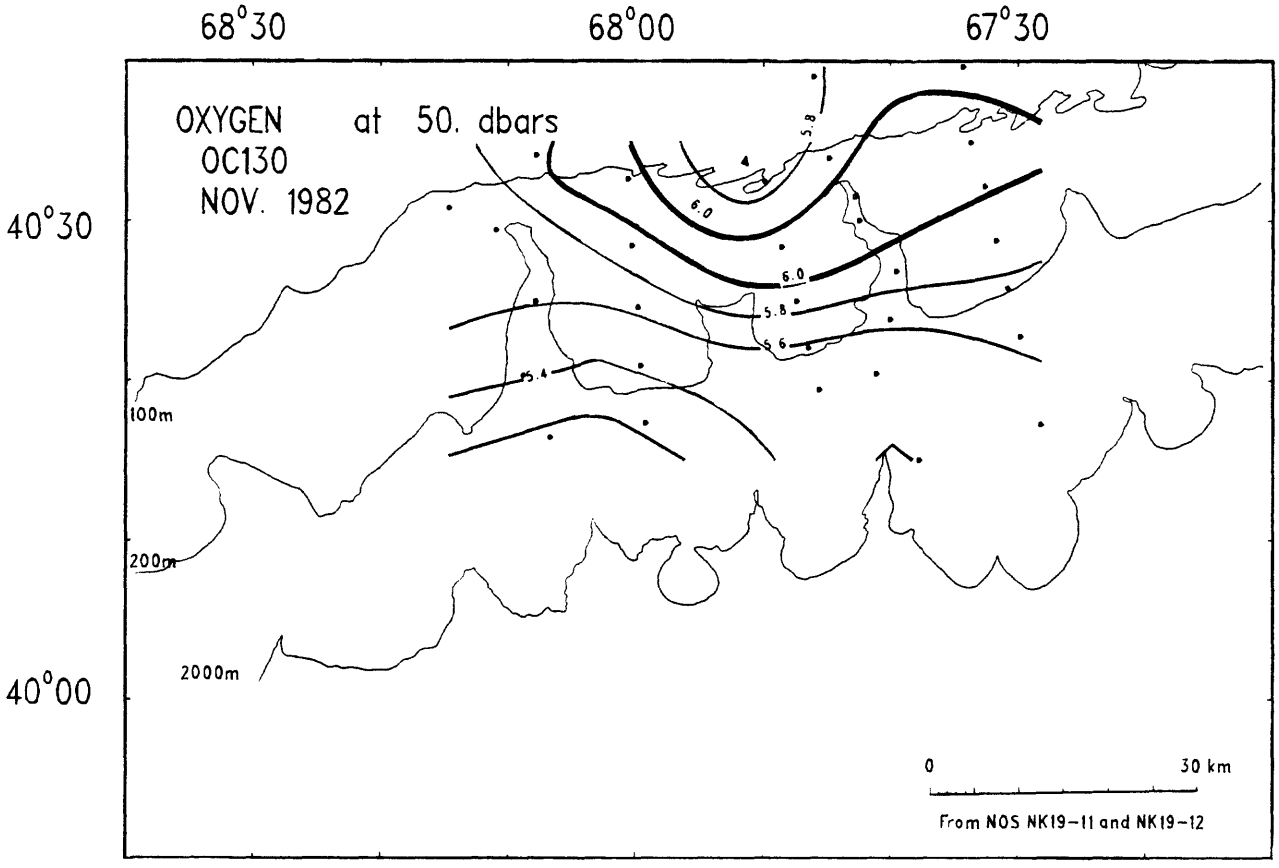

68°30
68°00
67°30
SIGMA-T at 10. dbars
OC130
NOV. 1982
40°30
40°00
25.0
25.1
25.2
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

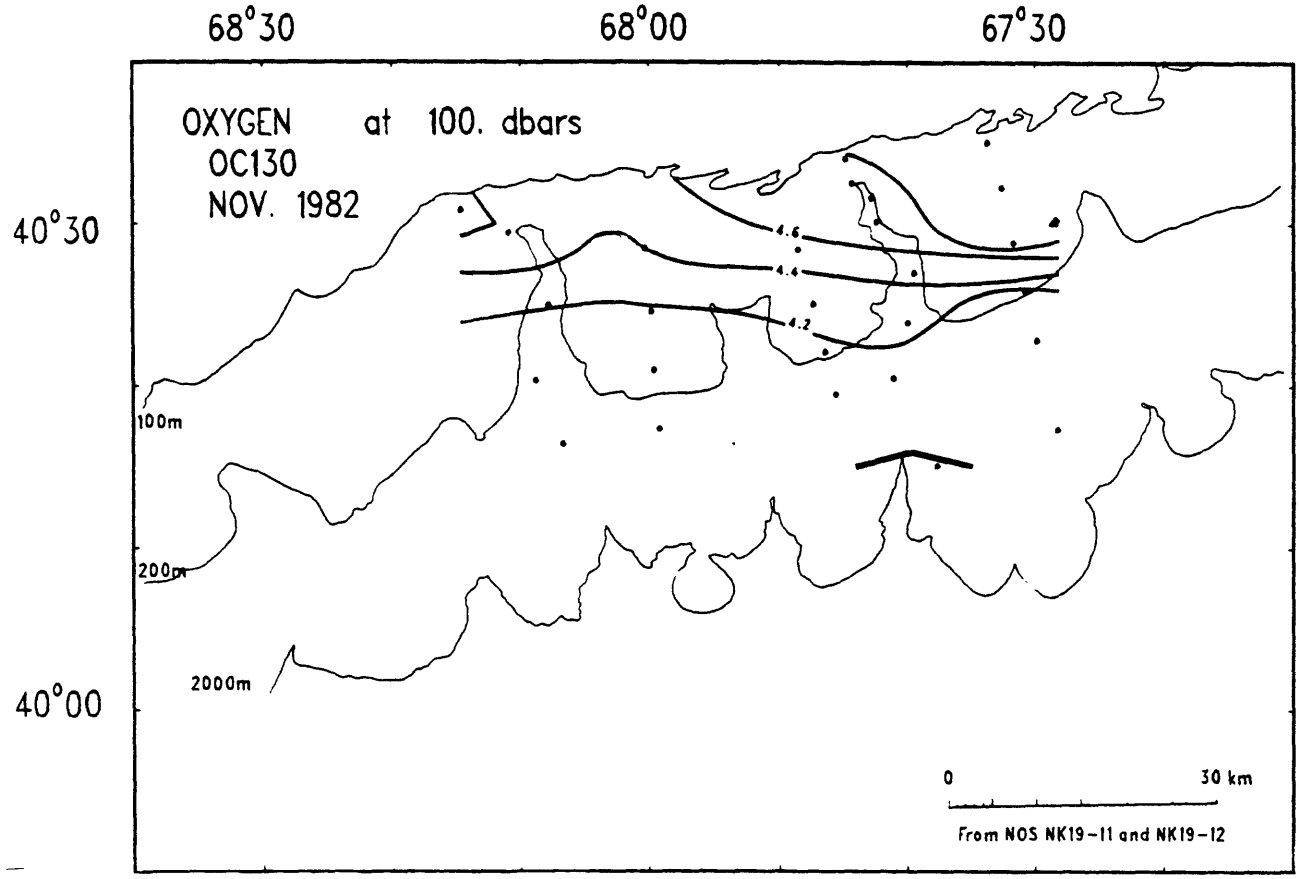

68°30
68°00
67°30
SIGMA-T at 50. dbars
OC130
NOV. 1982
40°30
40°00
25.3
25.5
25.2
25.4
25.5
25.4
25.5
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

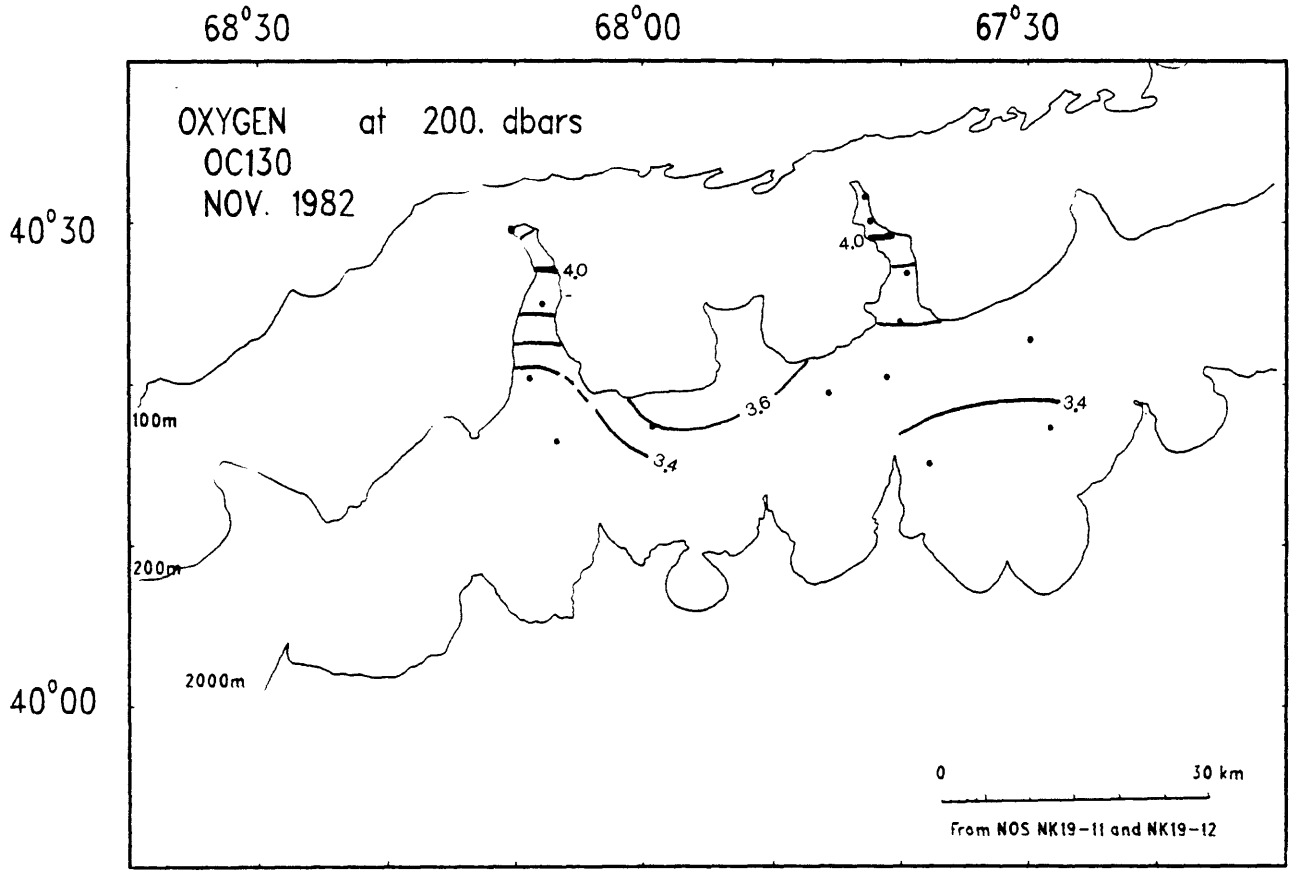

68°30
68°00
67°30
SIGMA-T at 100. dbars
OC130
NOV. 1982
40°30
40°00
26.4
26.5
26.6
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

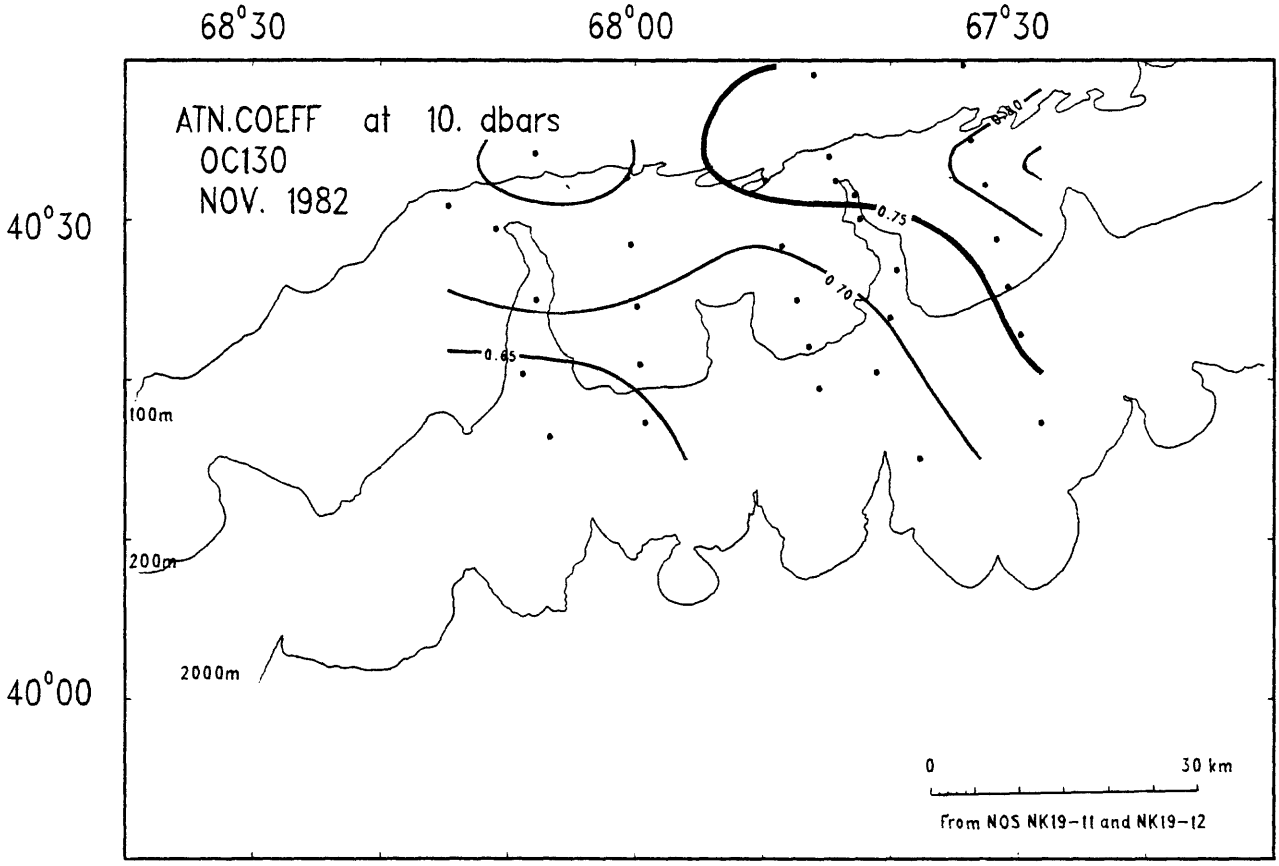

68°30
68°00
67°30
SIGMA-T at 200. dbars
OC130
NOV. 1982
40°30
40°00
27.3
27.2
27.2
27.0
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

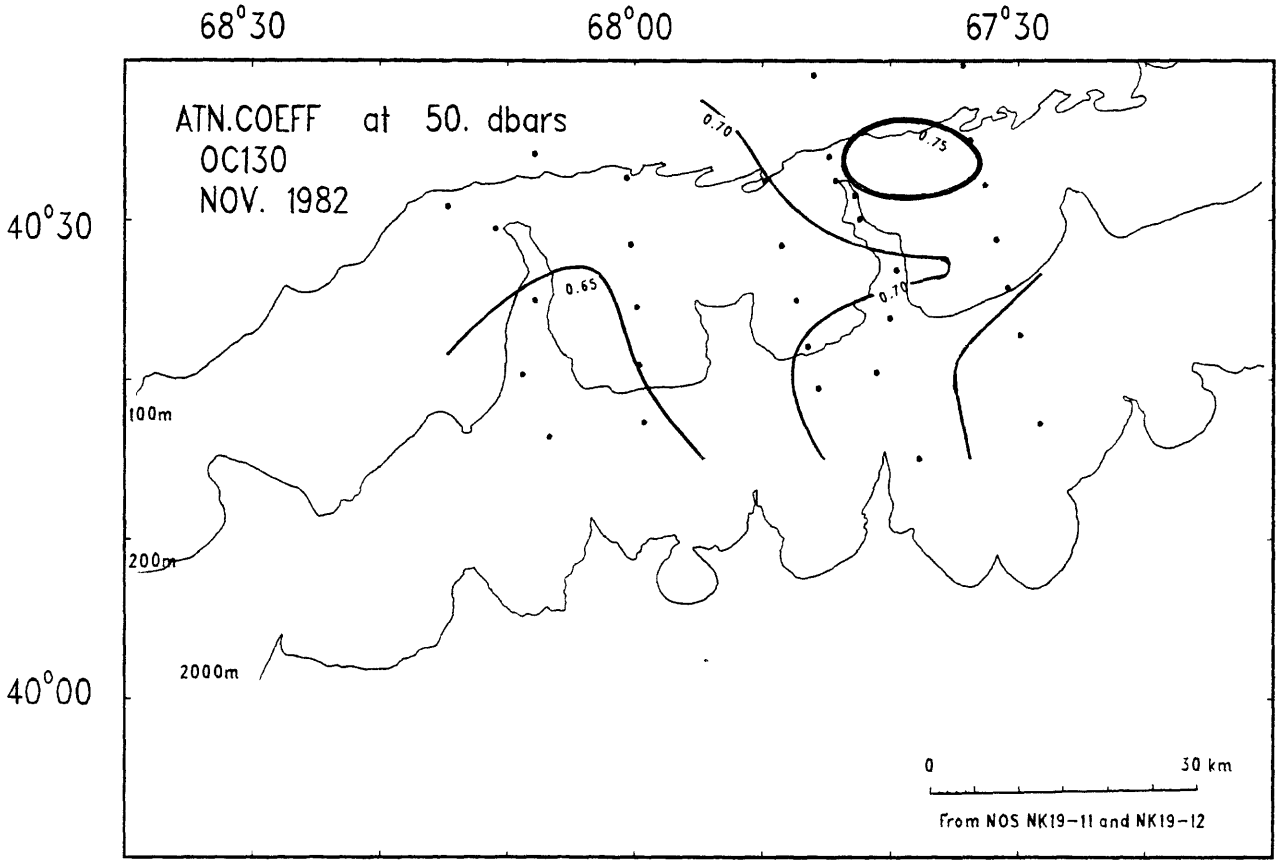

68°30
68°00
67°30
OXYGEN at 10. dbars
OC130
NOV. 1982
40°30
40°00
100m
200m
2000m
6.2
6.0
5.8
0
30 km
From NOS NK19-11 and NK19-12

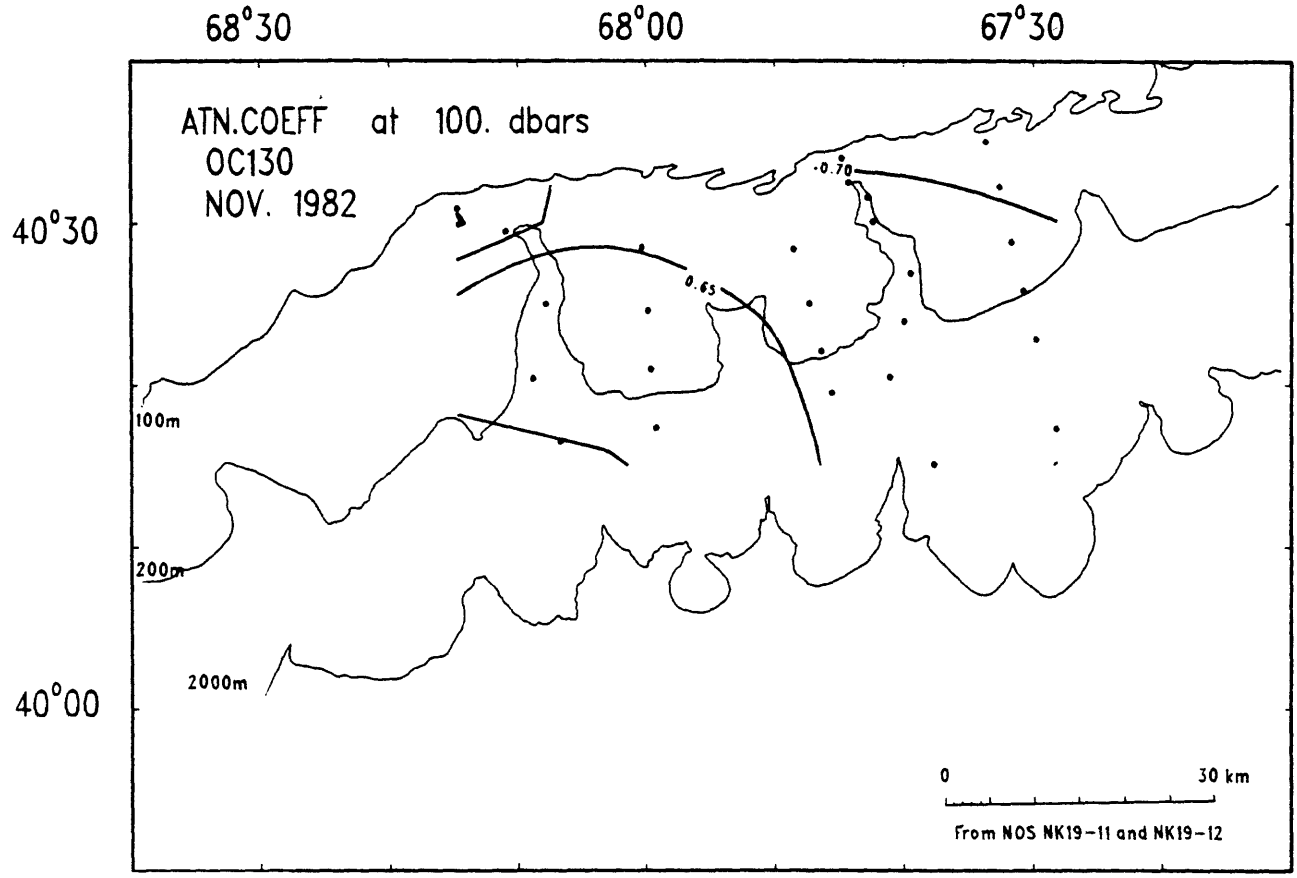

68°30
68°00
67°30
OXYGEN at 50. dbars
OC130
NOV. 1982
40°30
40°00
100m
200m
2000m
6.0
5.8
5.6
5.4
0
30 km
From NOS NK19-11 and NK19-12

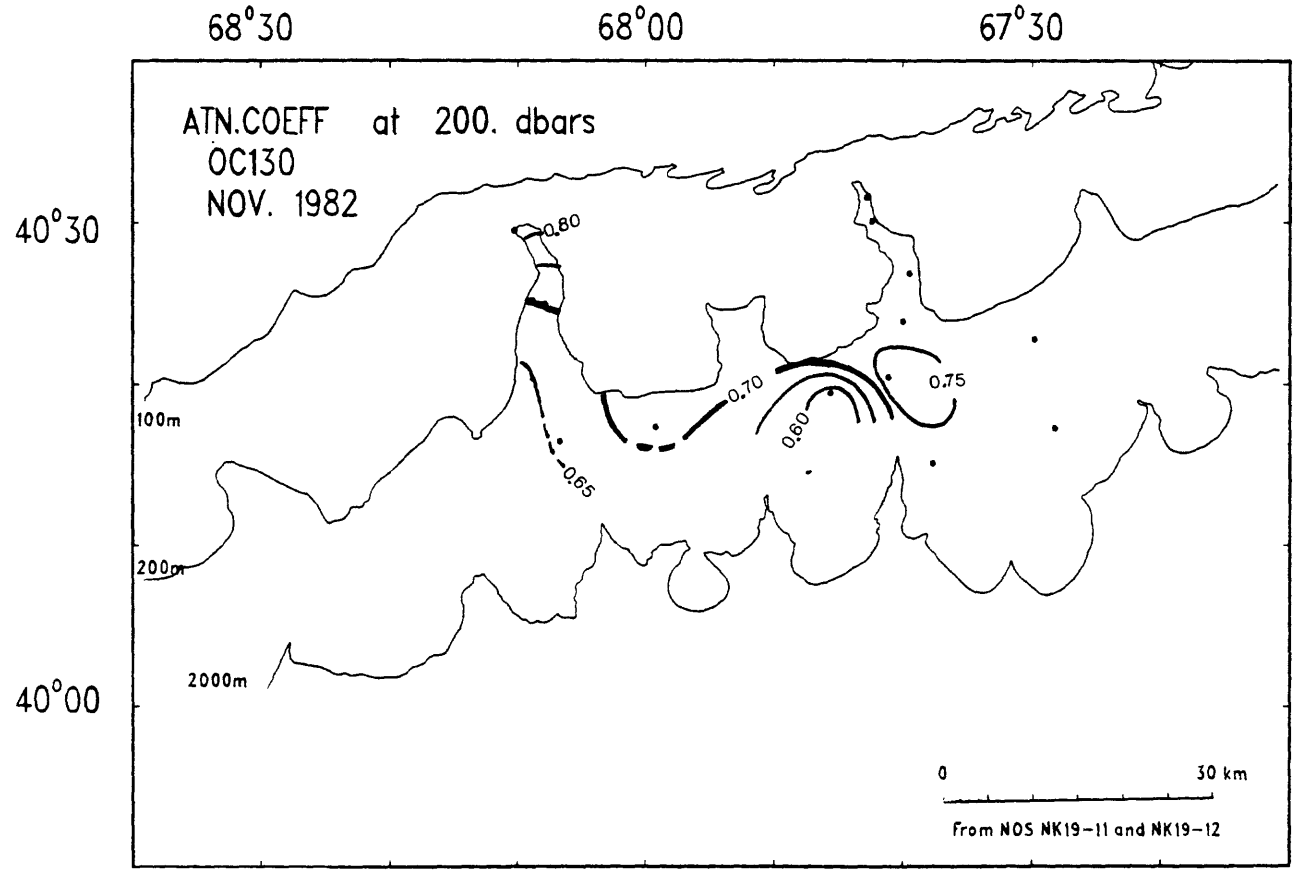

68°30
68°00
67°30
OXYGEN at 100. dbars
OC130
NOV. 1982
40°30
40°00
4.6
4.4
4.2
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

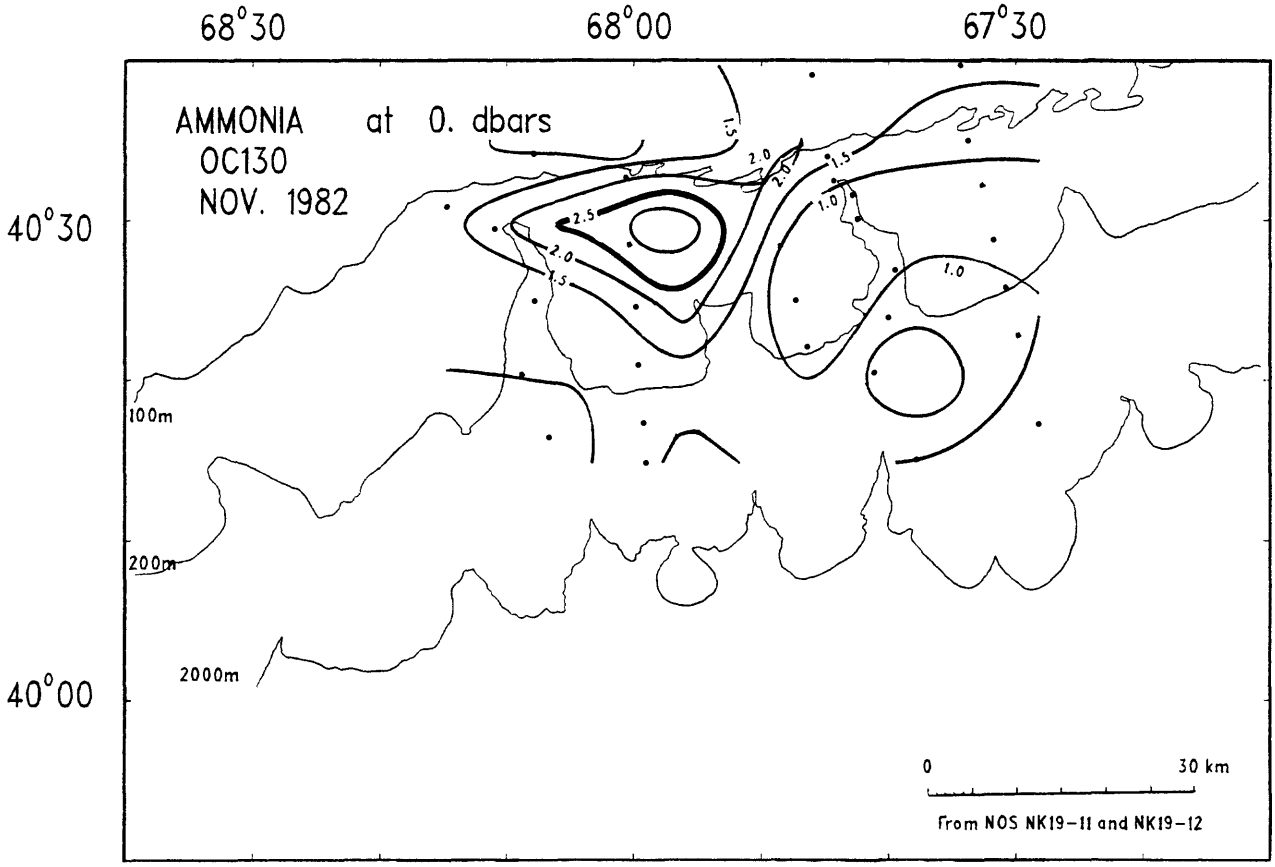

68°30
68°00
67°30
OXYGEN at 200. dbars
OC130
NOV. 1982
40°30
40°00
4.0
4.0
3.6
3.4
3.4
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

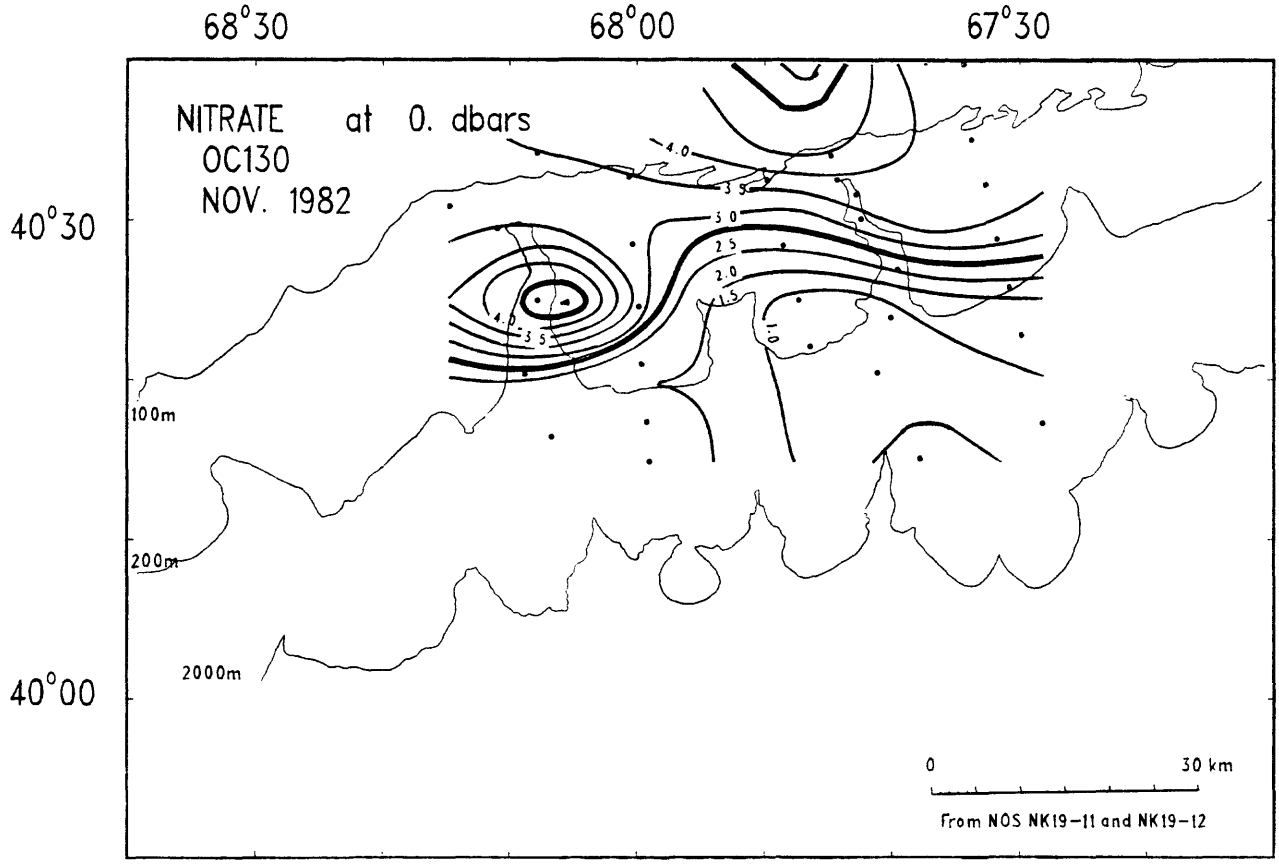

68°30
68°00
67°30
ATN.COEFF at 10. dbars
OC130
NOV. 1982
40°30
40°00
0.75
0.70
0.65
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

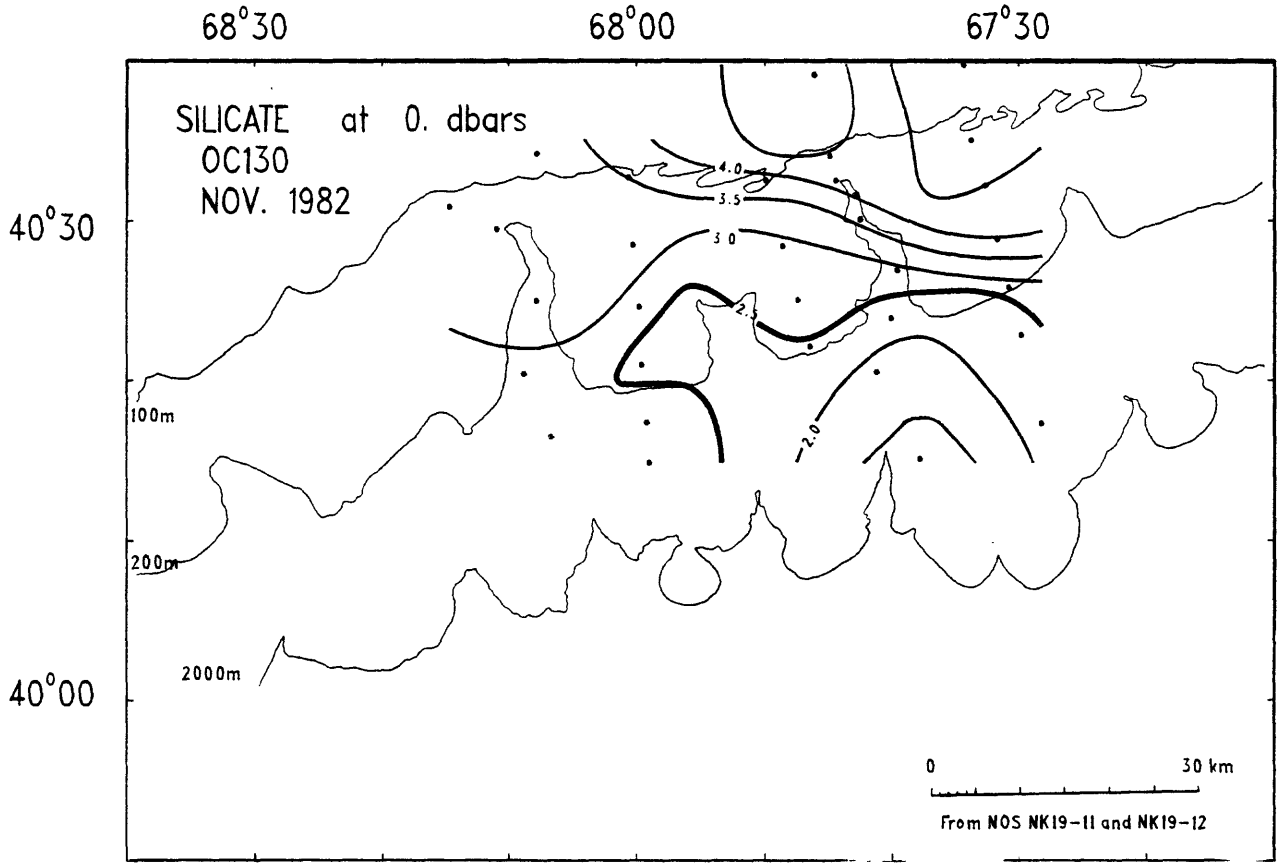

68°30
68°00
67°30
ATN.COEFF at 50. dbars
OC130
NOV. 1982
40°30
40°00
0.70
0.75
0.65
0.70
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

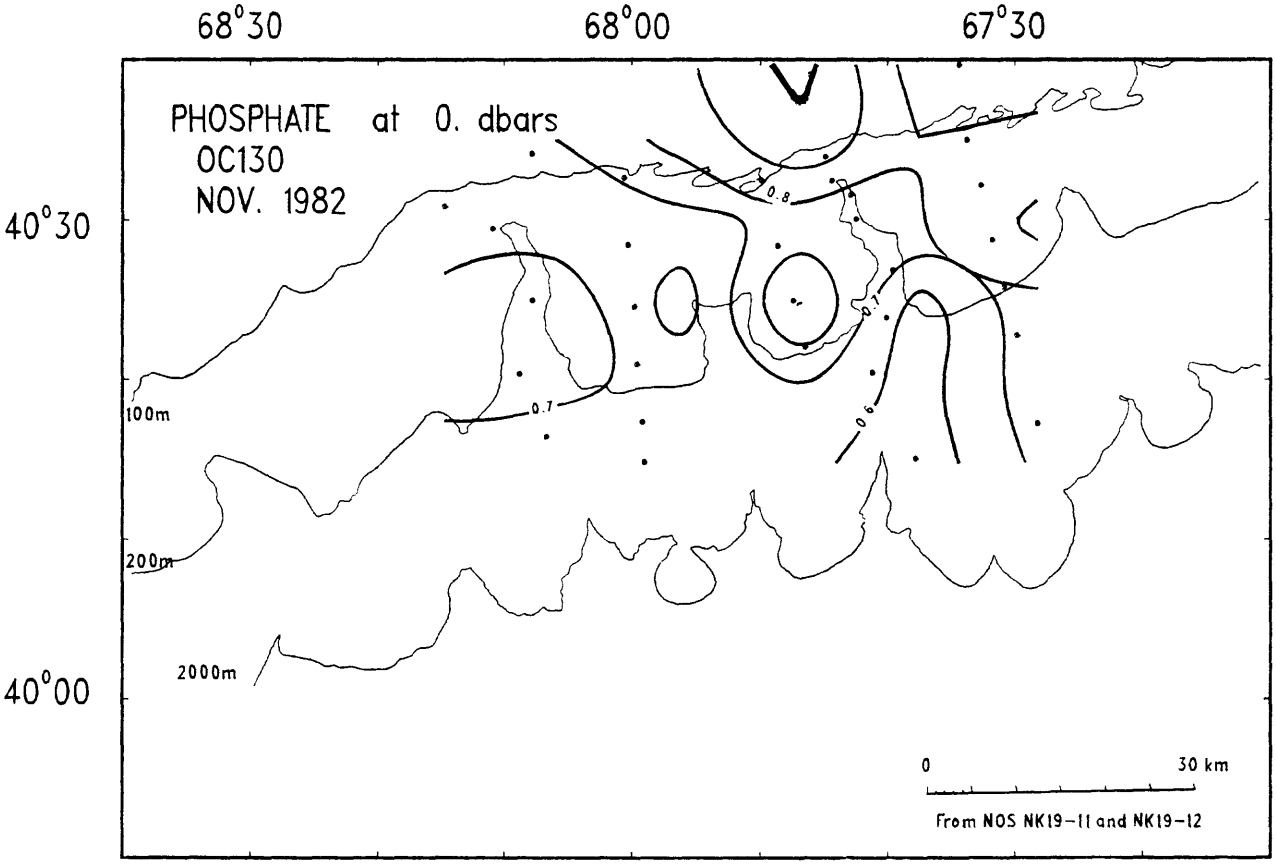

68°30
68°00
67°30
ATN.COEFF at 100. dbars
OC130
NOV. 1982
40°30
40°00
0.70
0.65
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12


68°30
68°00
67°30
ATN.COEFF at 200. dbars
OC130
NOV. 1982
40°30
40°00
0.80
0.70
0.75
0.60
0.65
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12


68°30
68°00
67°30
AMMONIA at 0. dbars
OC130
NOV. 1982
40°30
40°00
100m
200m
2000m
2.5
2.0
1.5
1.0
0
30 km
From NOS NK19-11 and NK19-12


68°30
68°00
67°30
NITRATE at 0. dbars
OC130
NOV. 1982
40°30
40°00
100m
200m
2000m
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0
30 km
From NOS NK19-11 and NK19-12

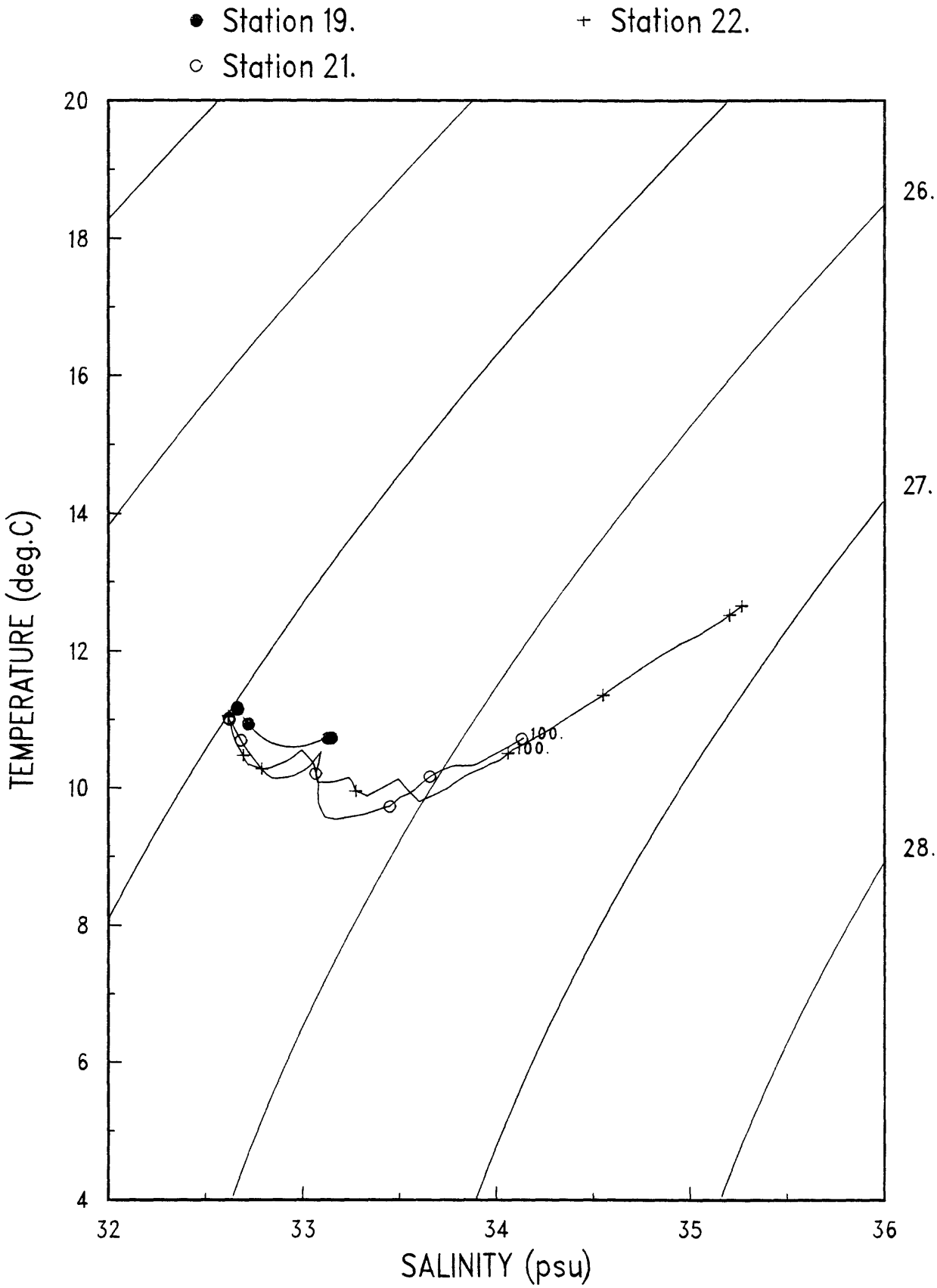

68°30
68°00
67°30
SILICATE at 0. dbars
OC130
NOV. 1982
40°30
40°00
4.0
3.5
3.0
2.5
2.0
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12


68°30
68°00
67°30
PHOSPHATE at 0. dbars
OC130
NOV. 1982
40°30
40°00
0.8
0.7
0.7
0.6
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

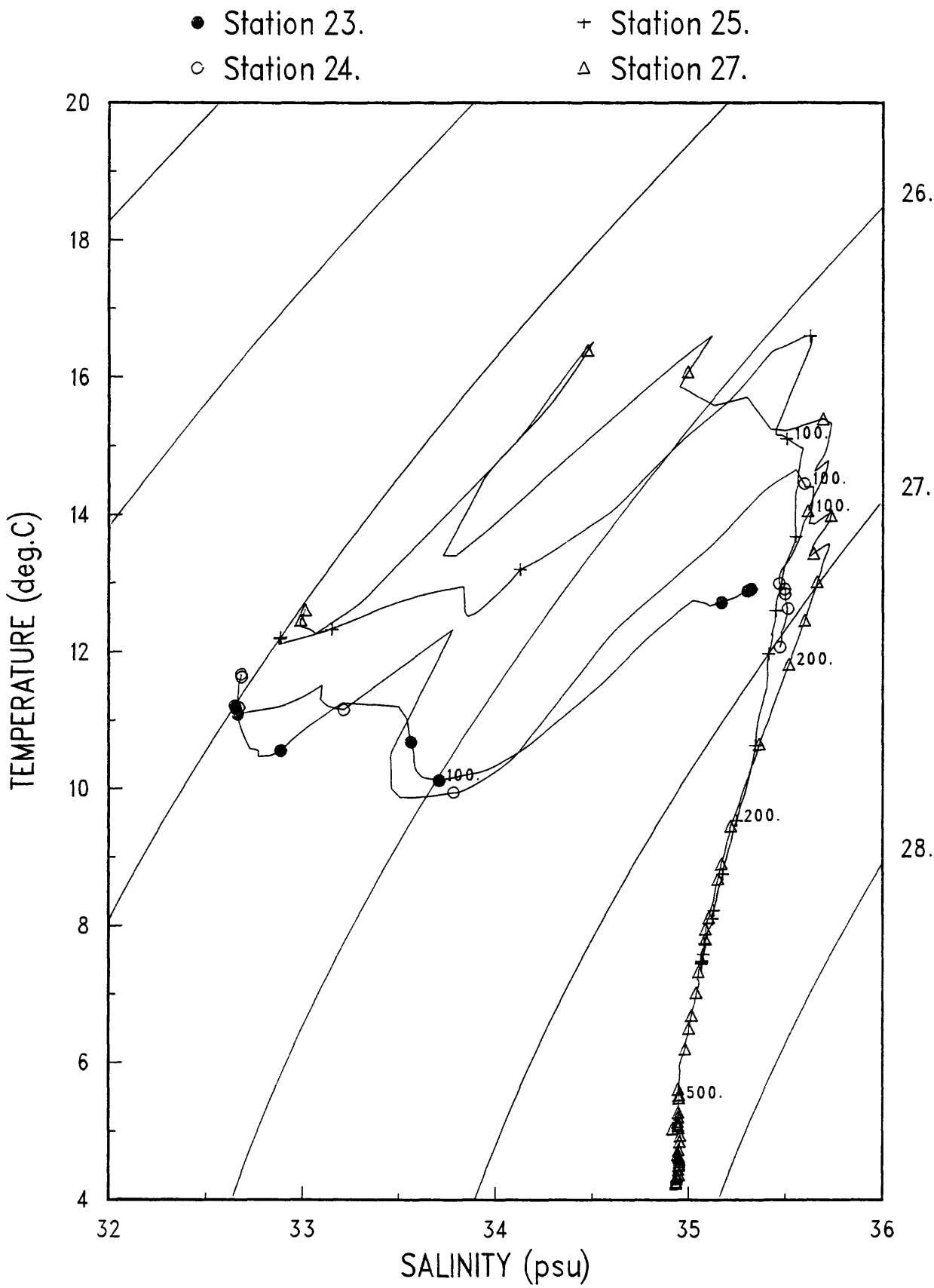
Temperature salinity diagrams

Plots of temperature vs. salinity by section (see fig. 1). Each station is identified with a different symbol. The symbols are plotted every 20 dbars, and the 100-, 200-, and 500-dbar points have been labeled.

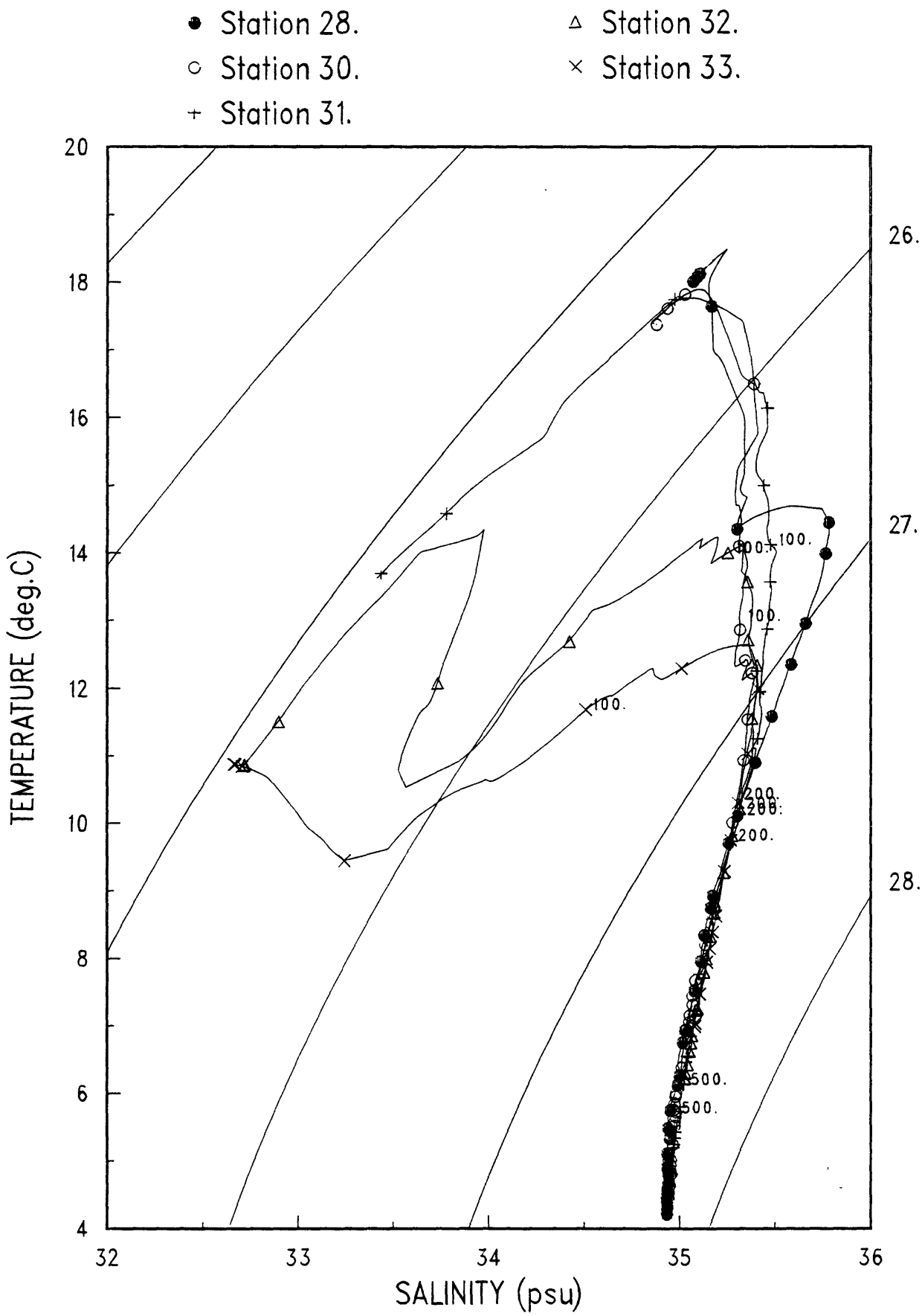
OC130--TS Diagram



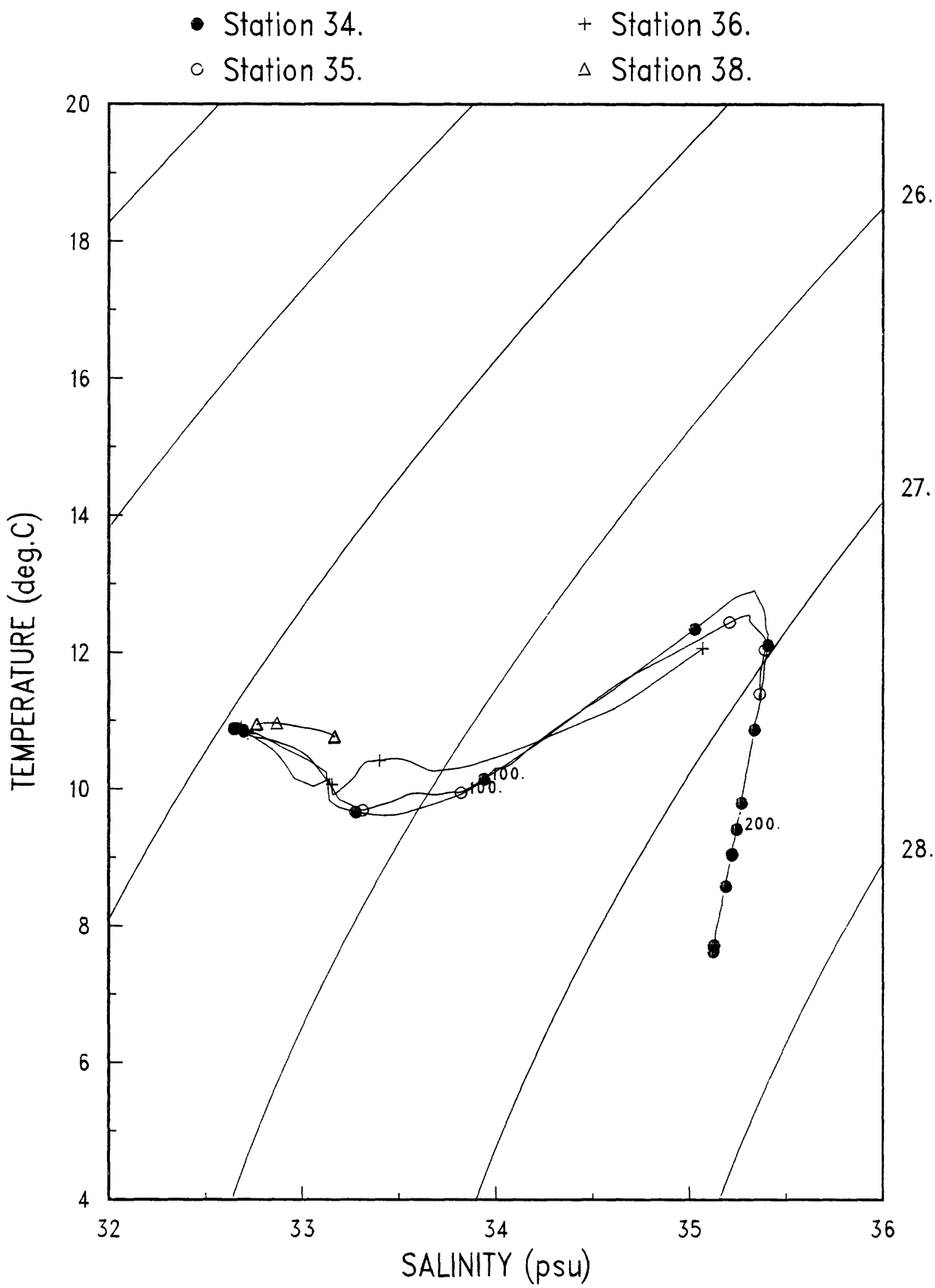
OC130--TS Diagram



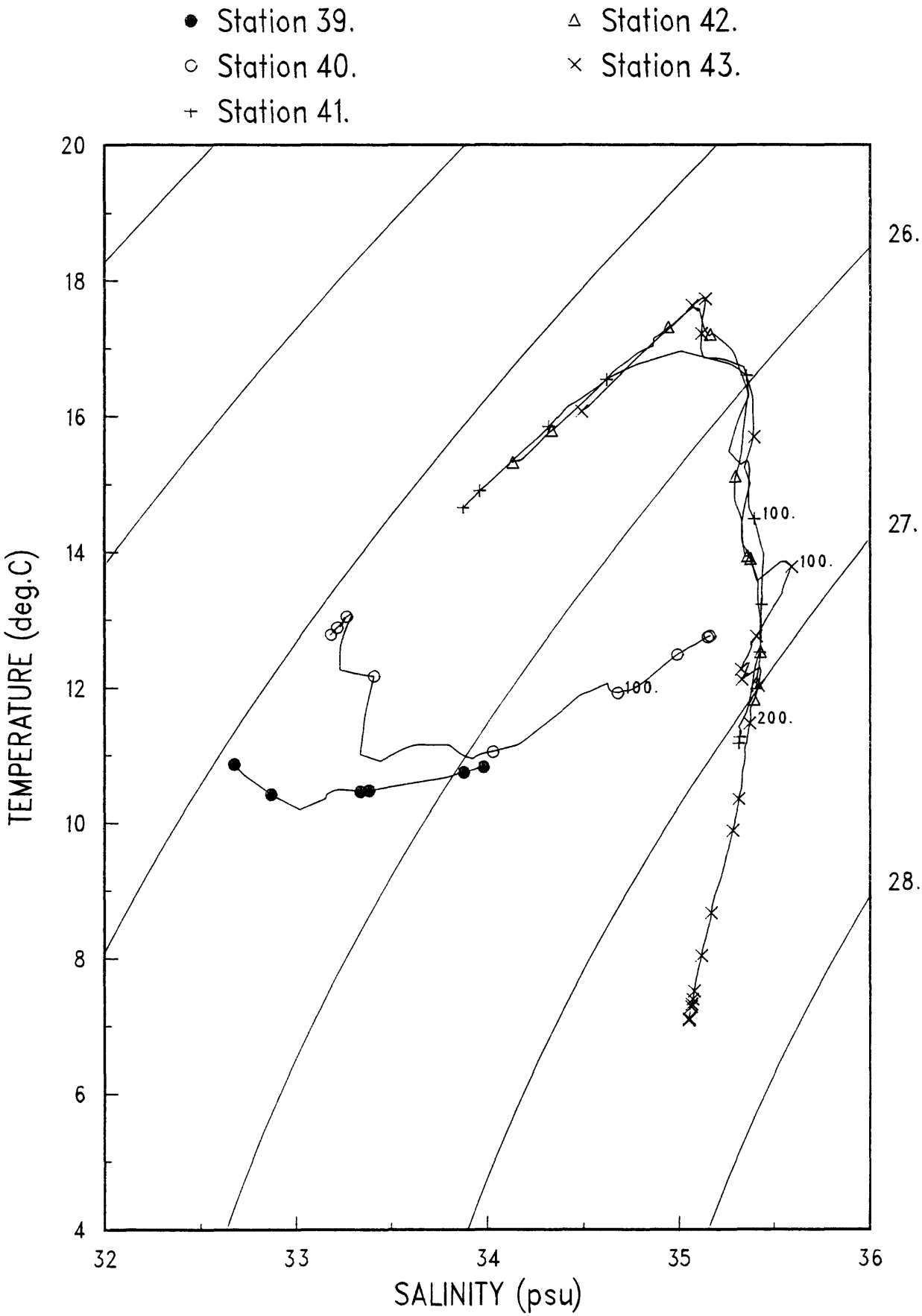
OC130--TS Diagram



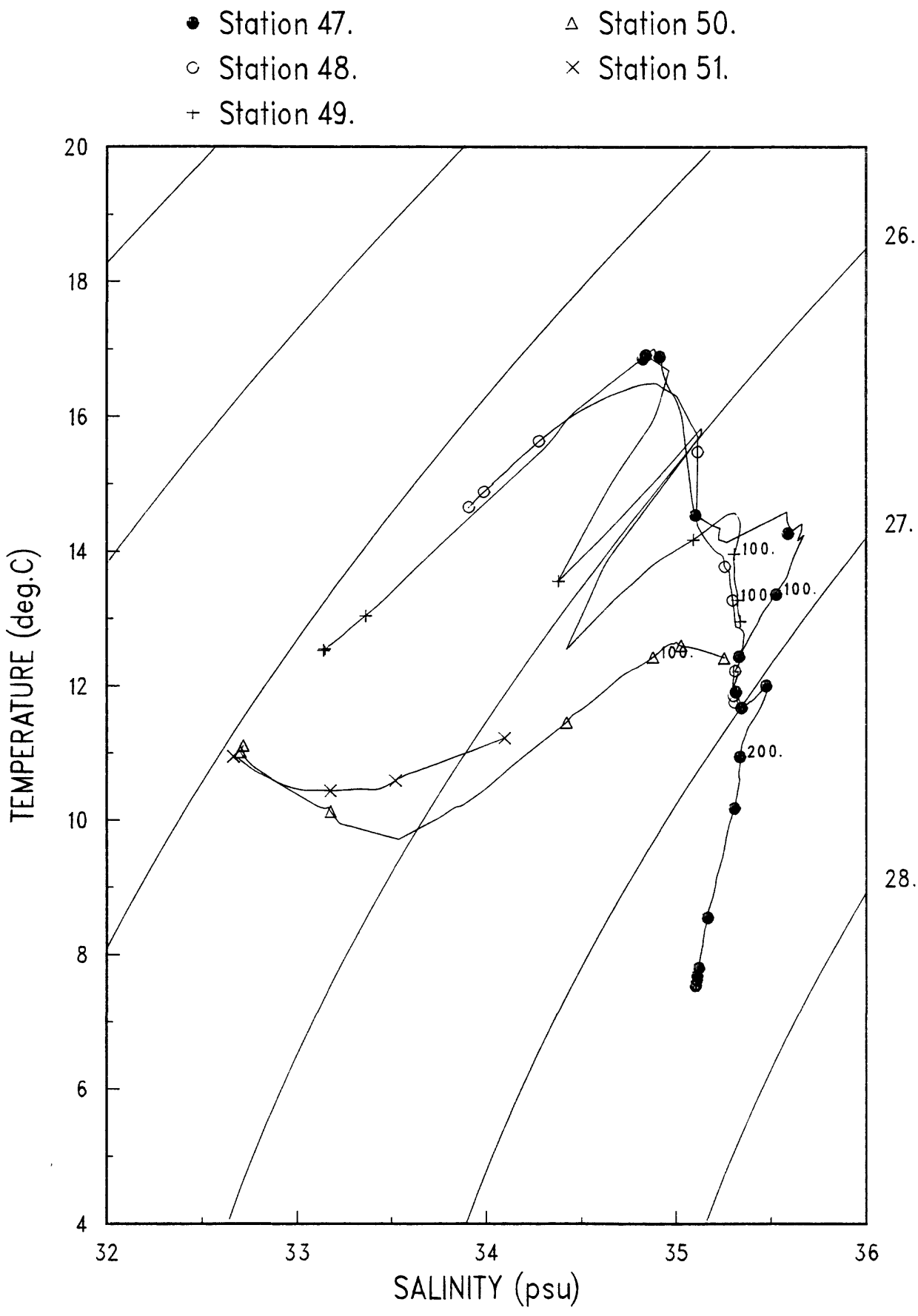
OC130--TS Diagram



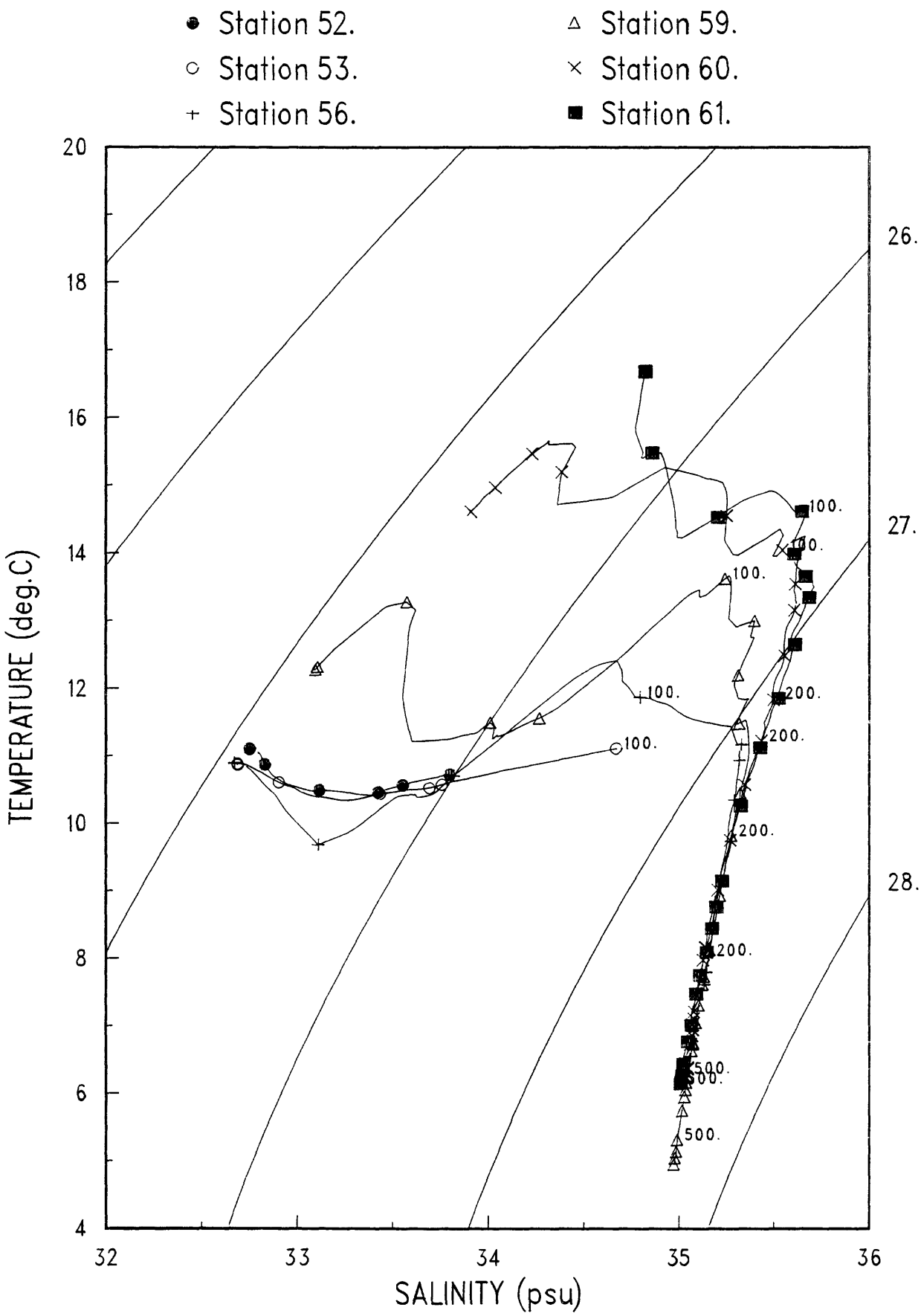
OC130--TS Diagram



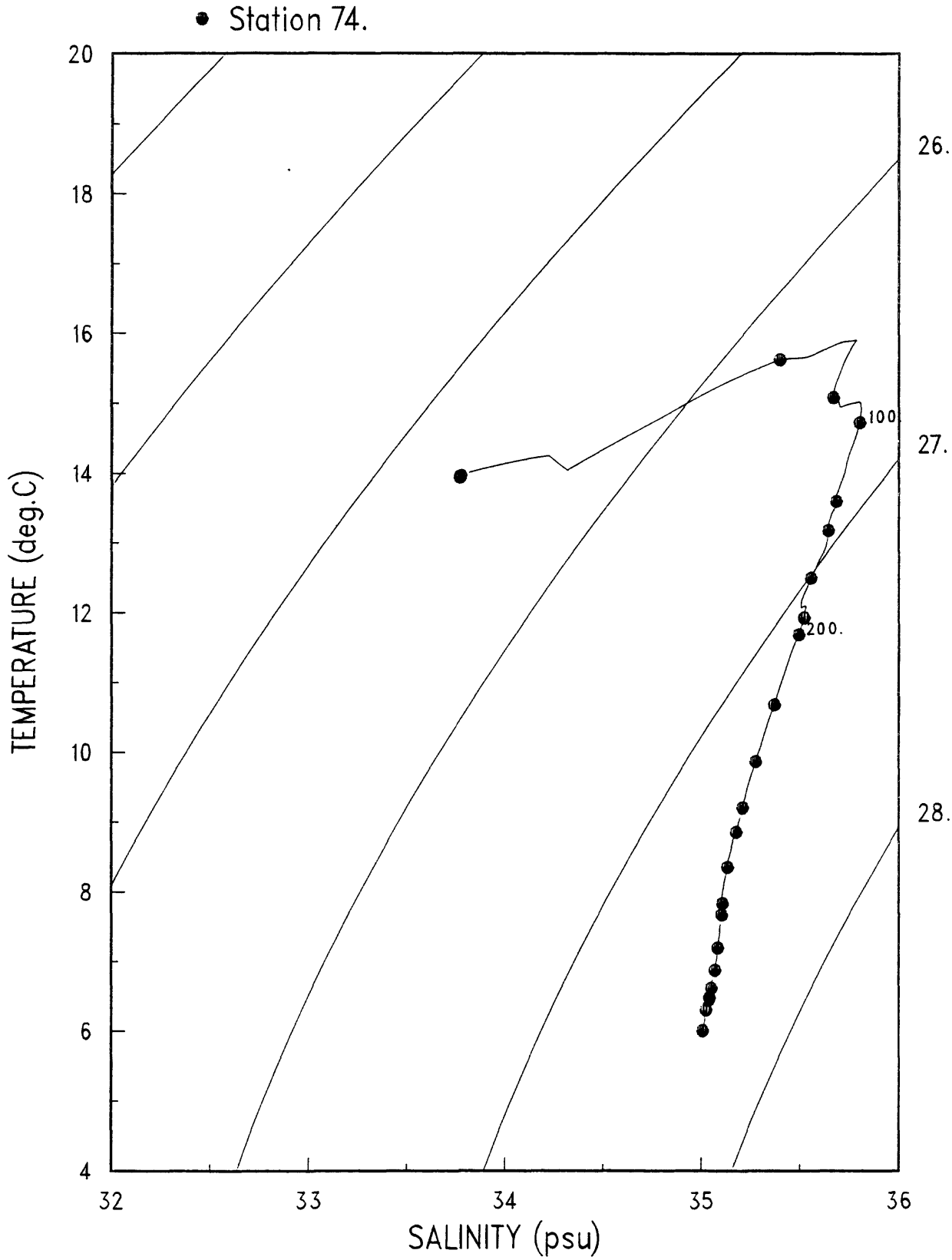
OC130--TS Diagram



OC130--TS Diagram

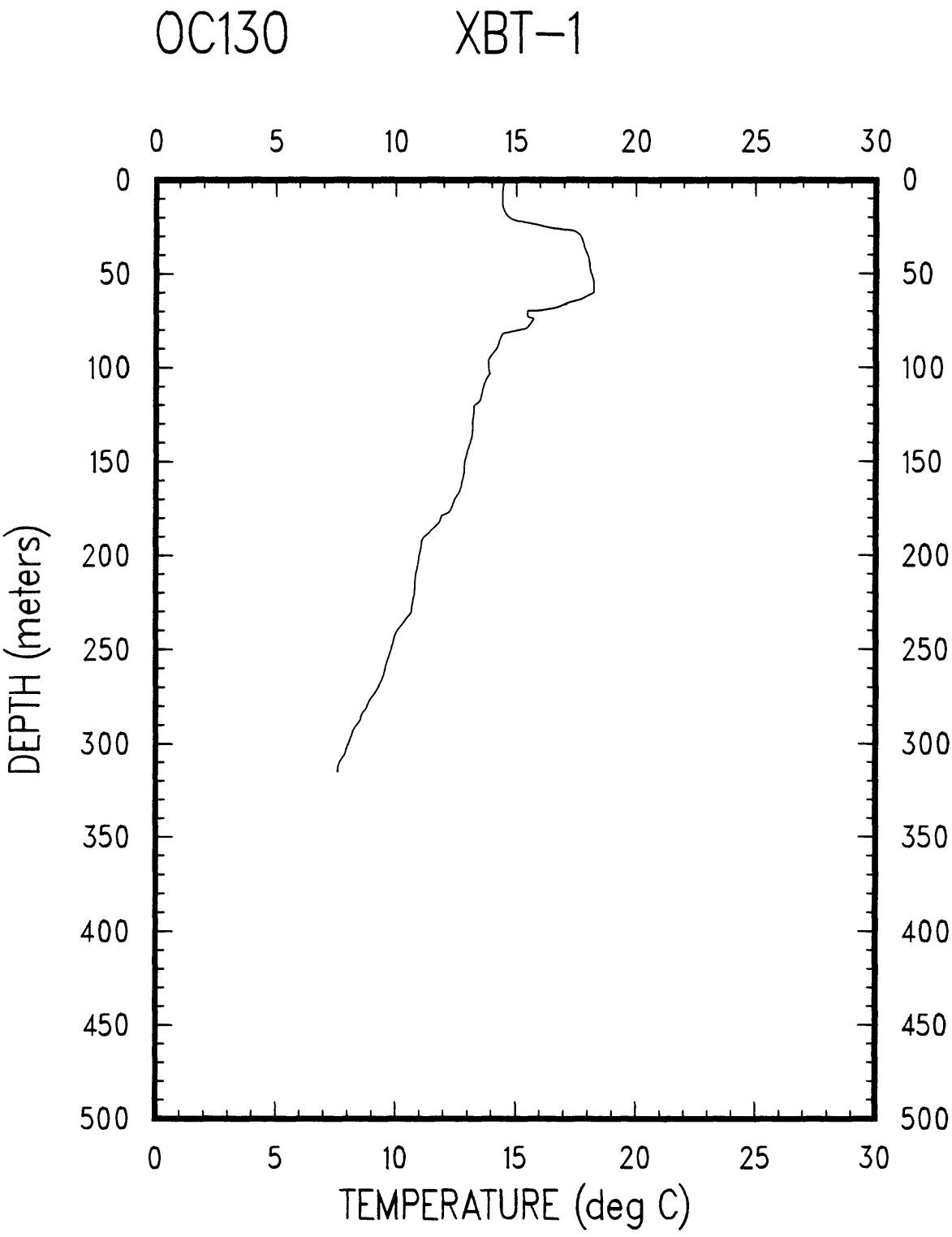


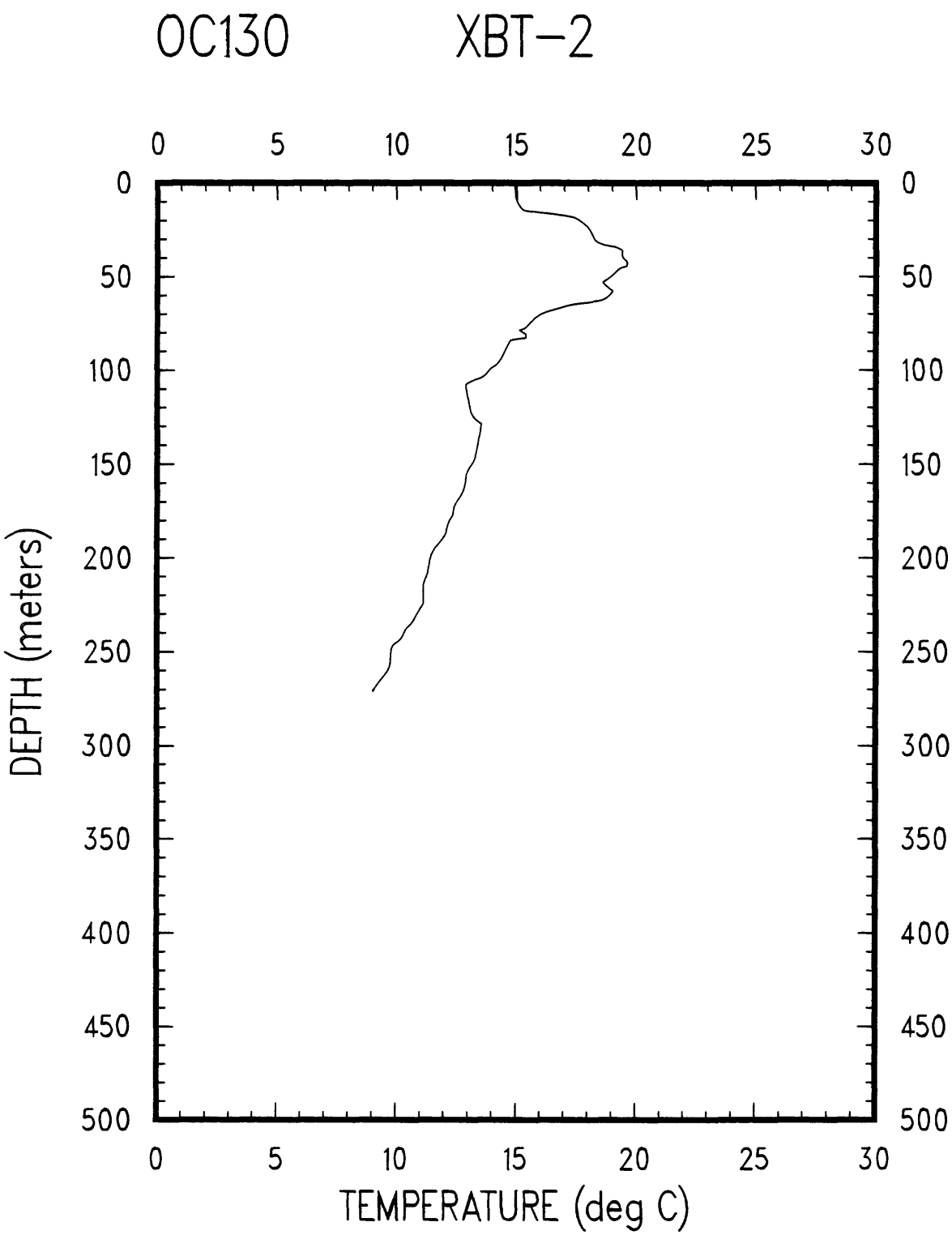
OC130--TS Diagram

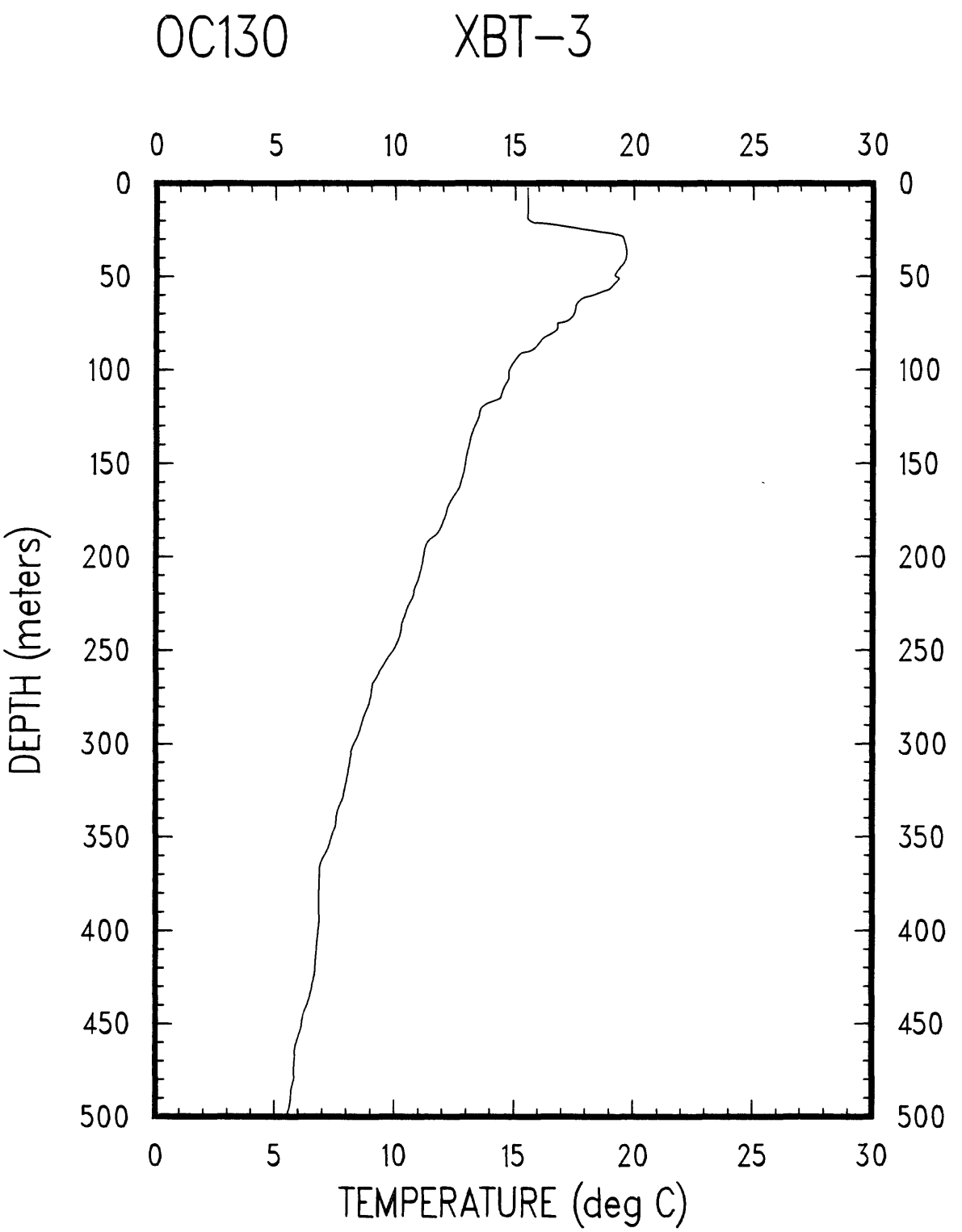


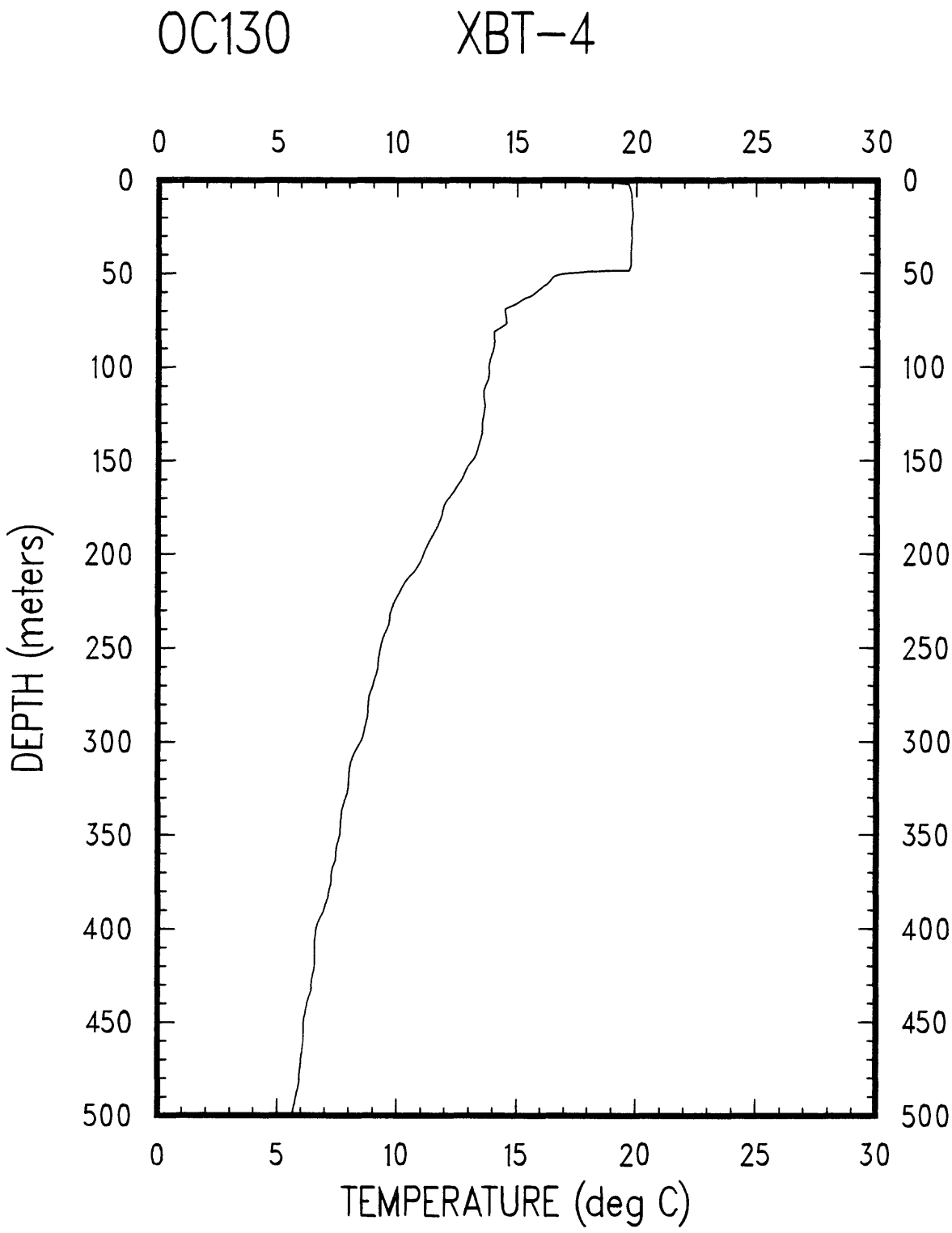
Station profiles

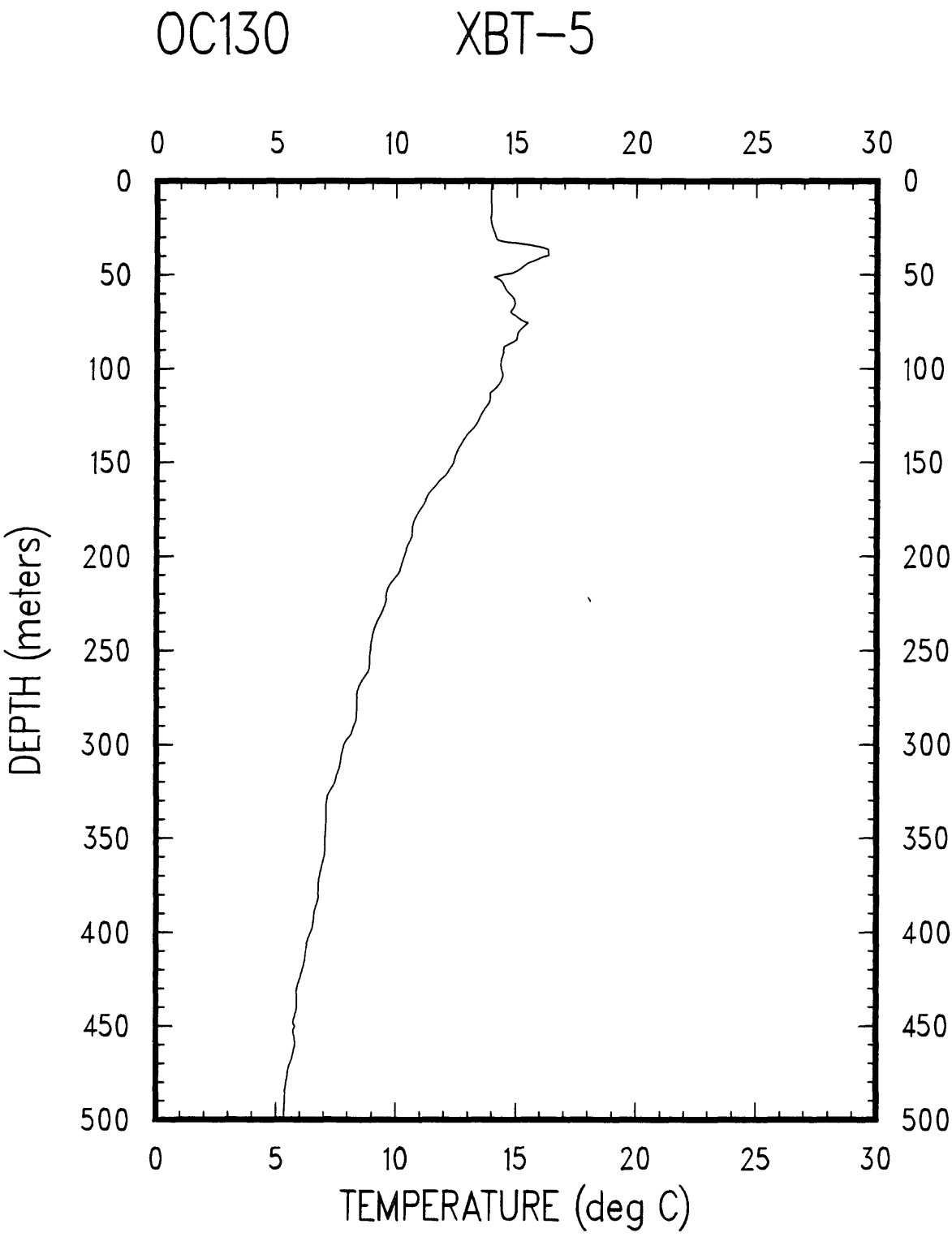
Vertical profiles of temperature, salinity, sigma-t, oxygen, attenuation coefficient, and Brunt-Vaisala frequency at each station are shown in figures 32-109. The profiles are drawn using the 2-dbar-averaged data; at approximately 10 dbars above the bottom, the averaging interval becomes 1 dbar. The data are listed in Appendix I. The different symbols used to distinguish variables are shown on each variable axis. XBT profiles are limited to 500 m. The units of salinity are practical salinity units (psu) and are defined by Lewis (1980).

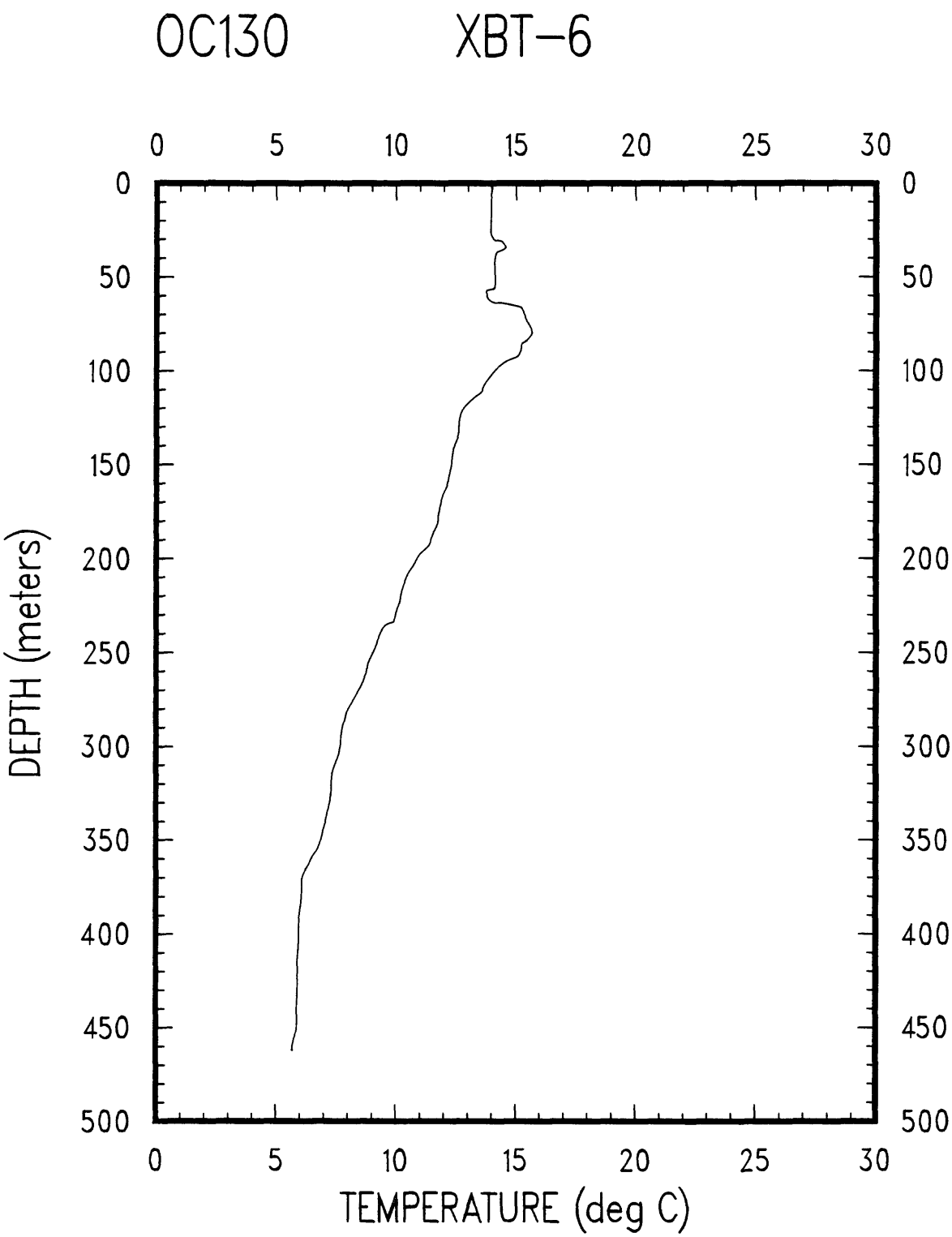

OC130
XBT-1
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

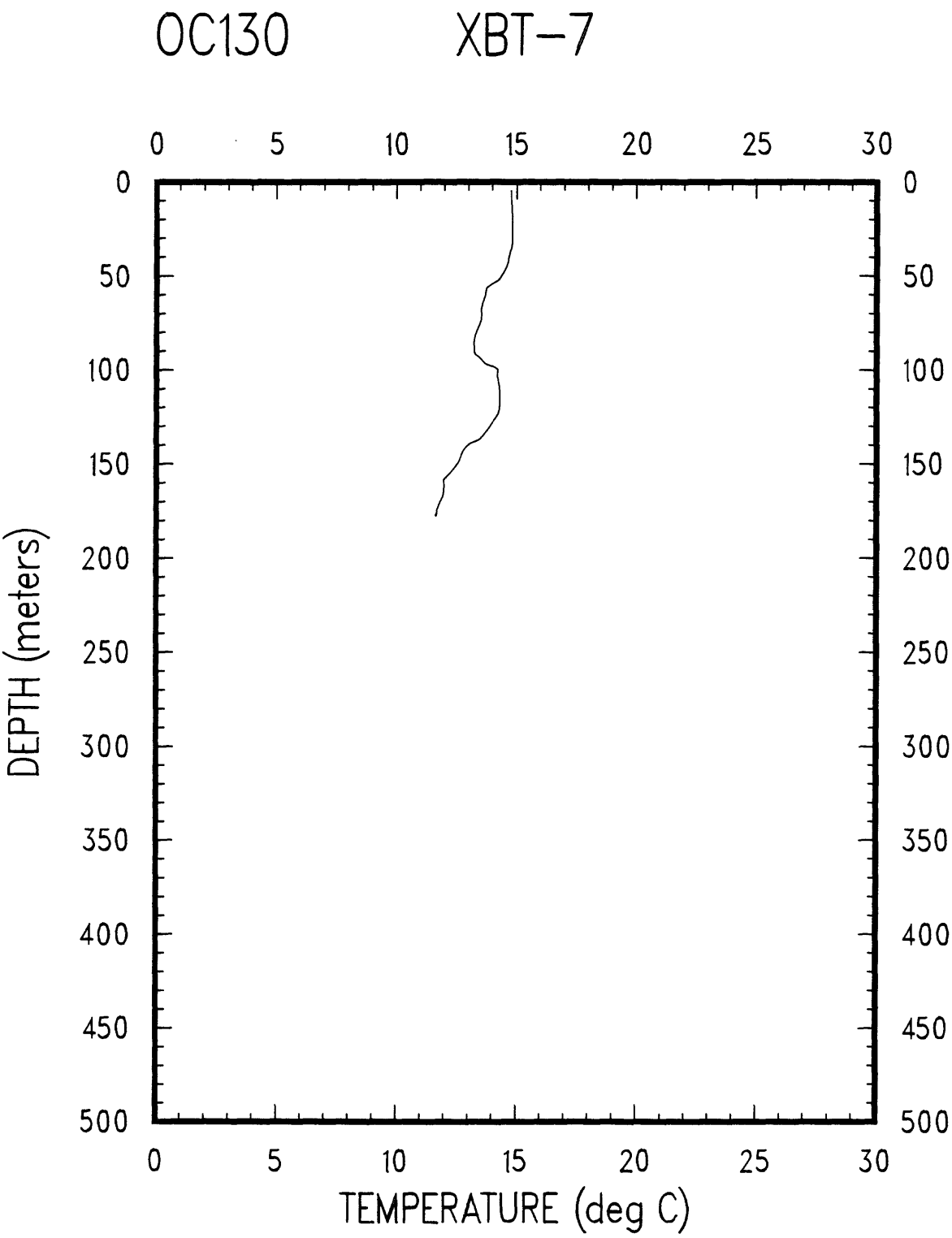

OC130
XBT-2
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

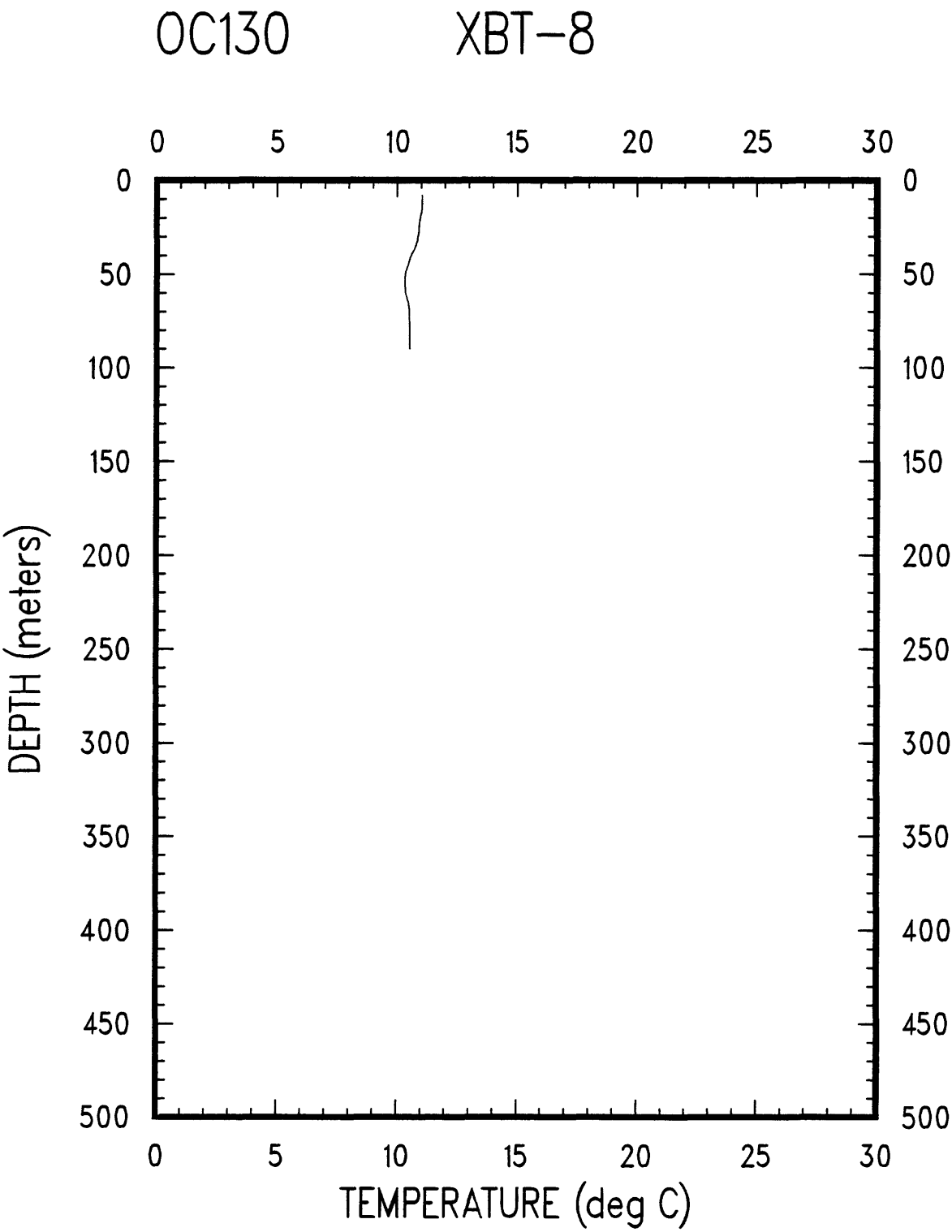

OC130
XBT-3
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

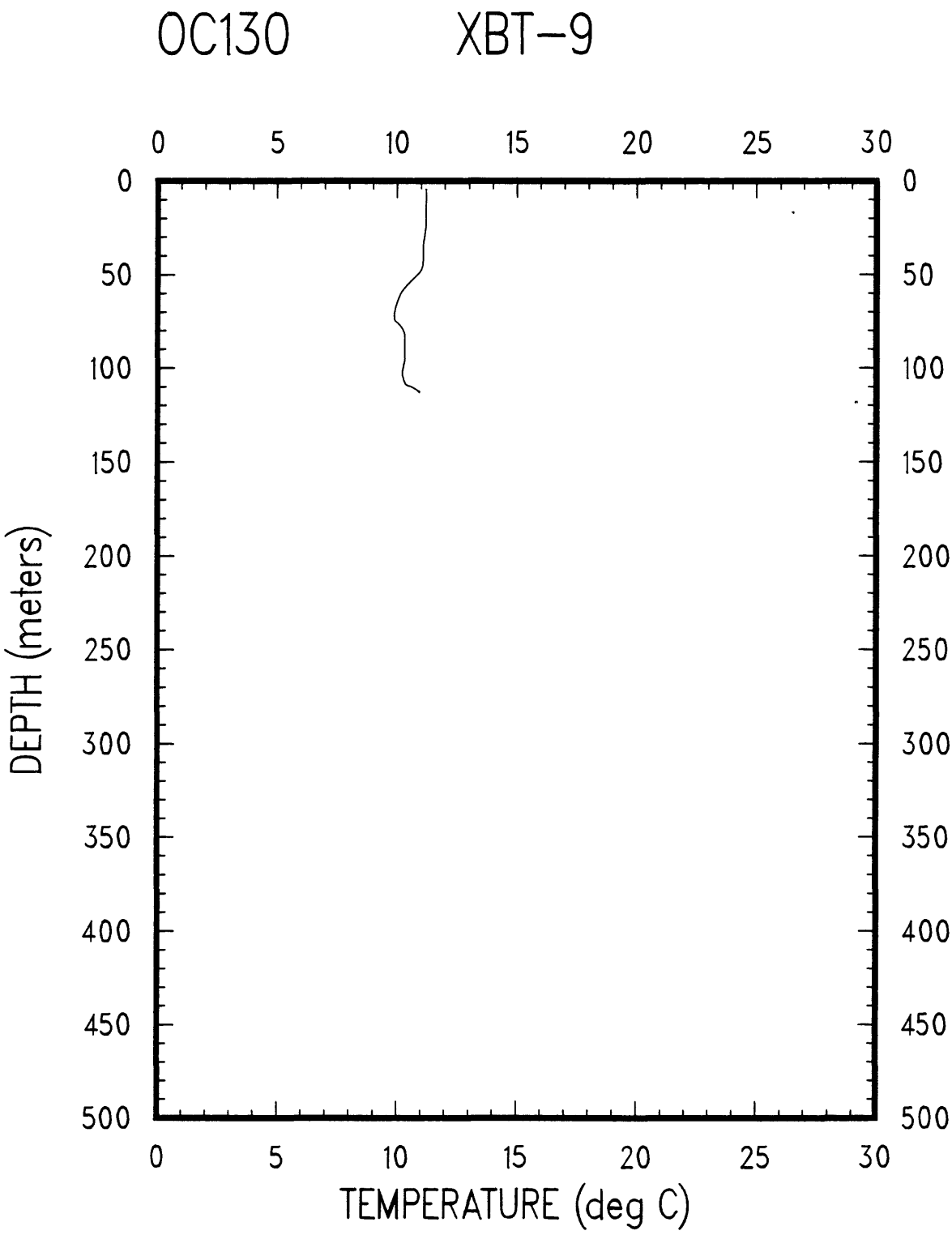

OC130
XBT-4
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

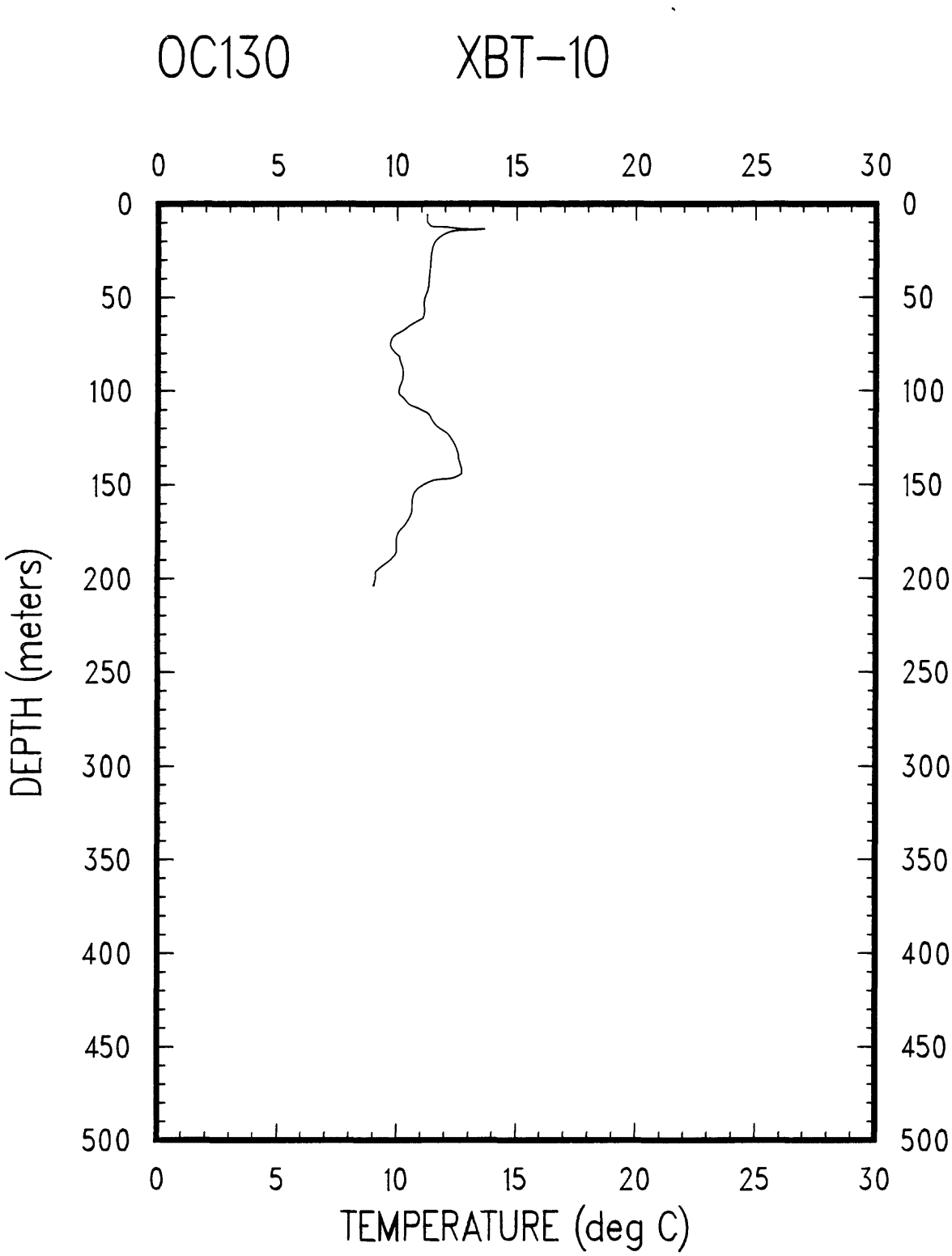

OC130
XBT-5
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

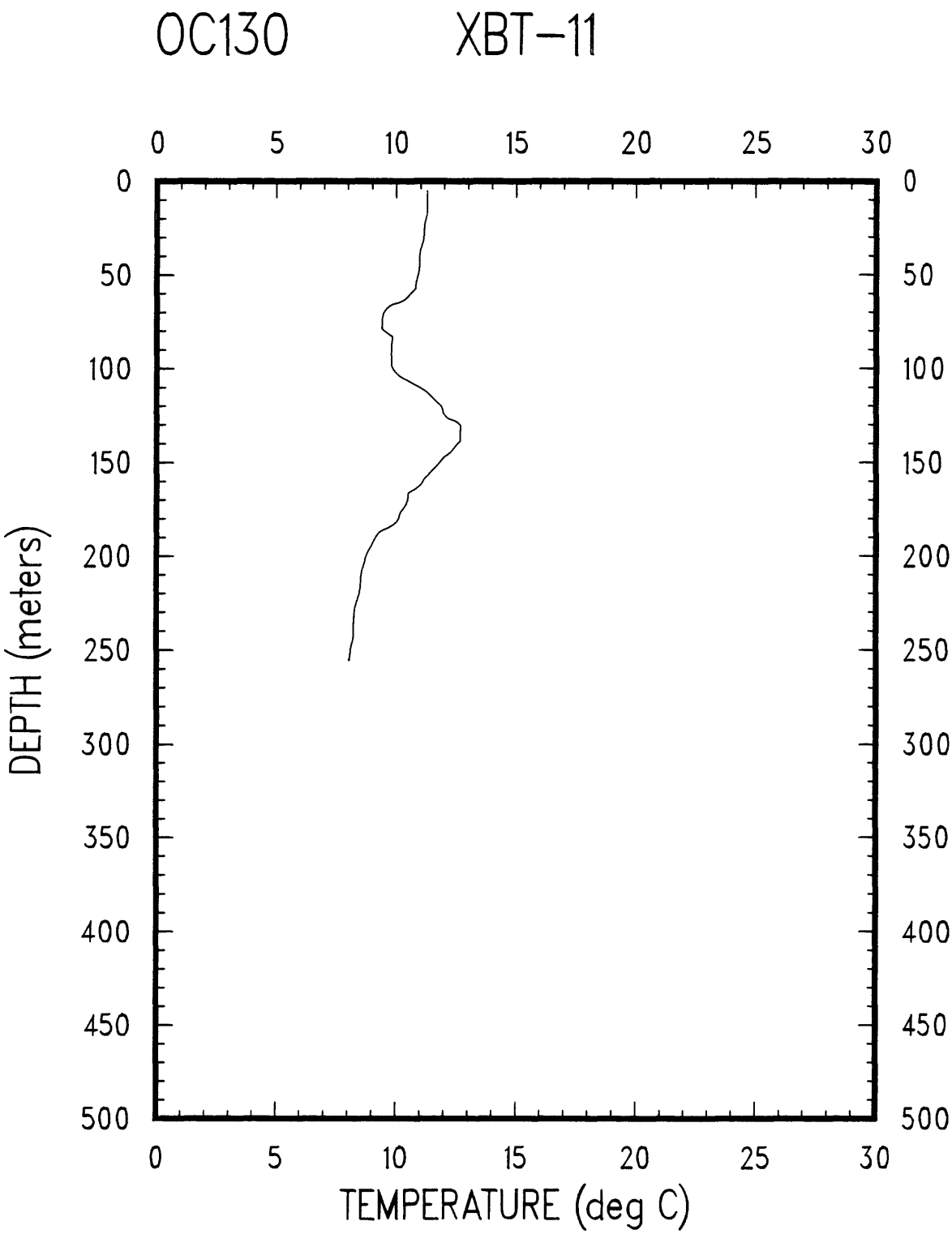

OC130
XBT-6
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

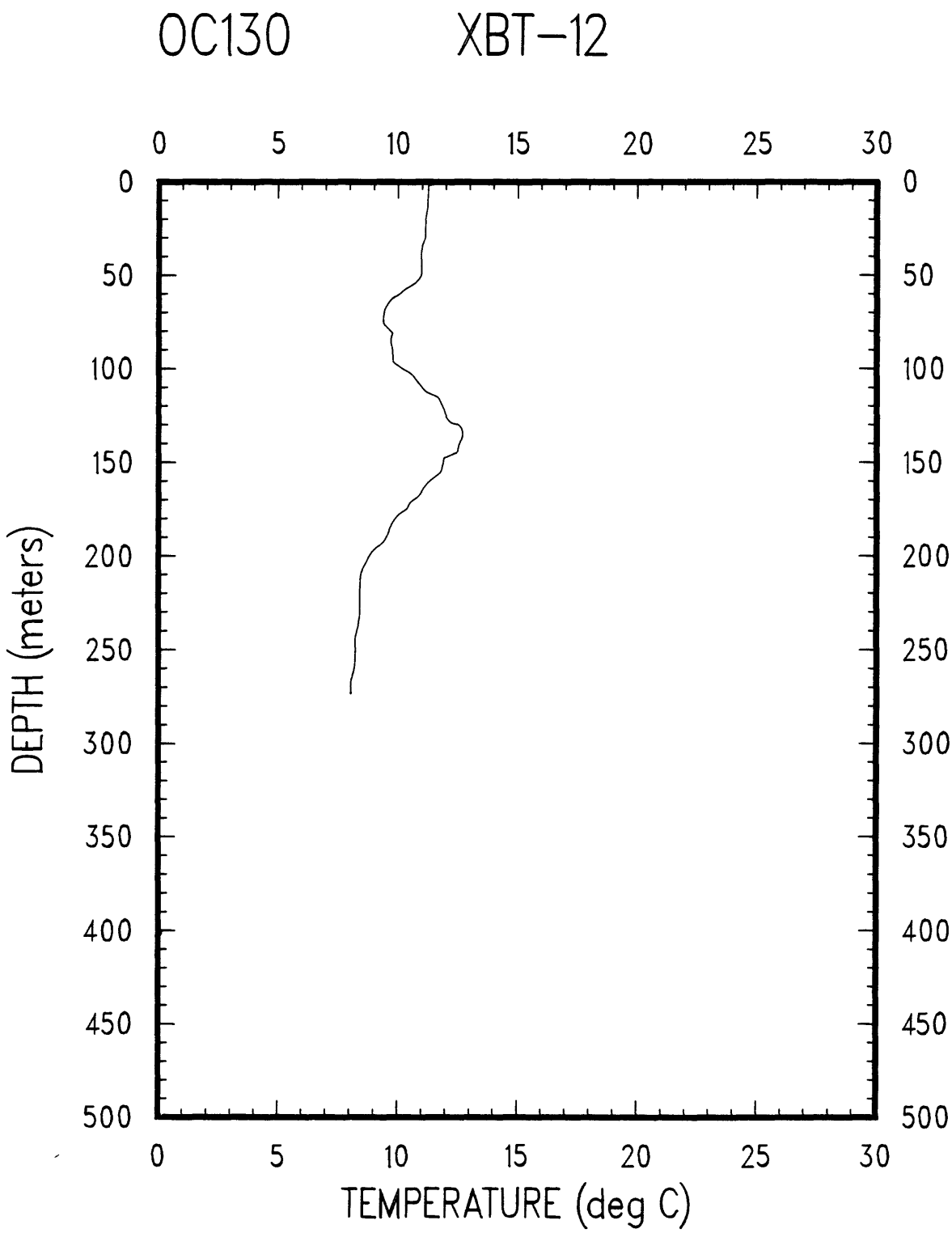

OC130
XBT-7
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

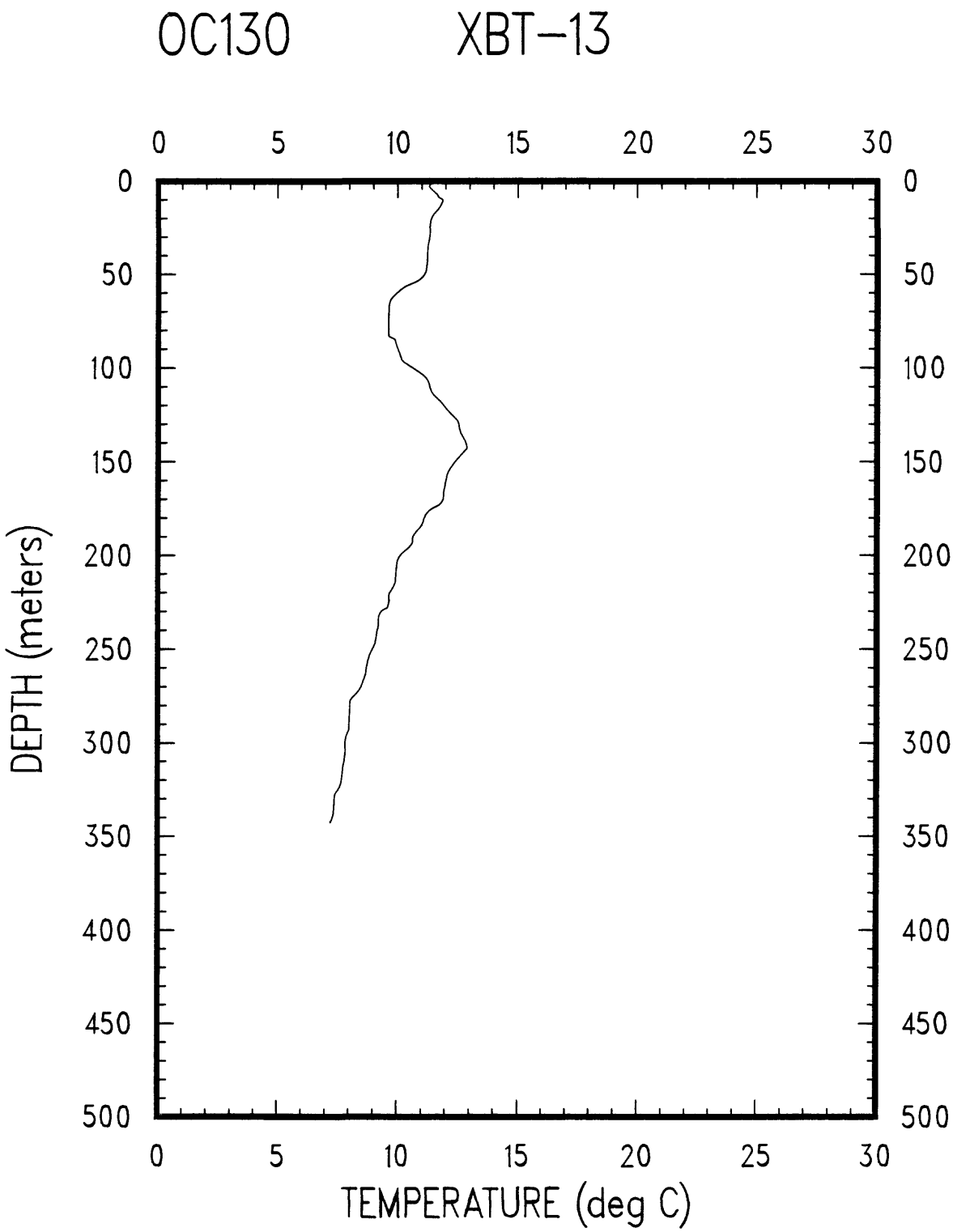

OC130
XBT-8
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

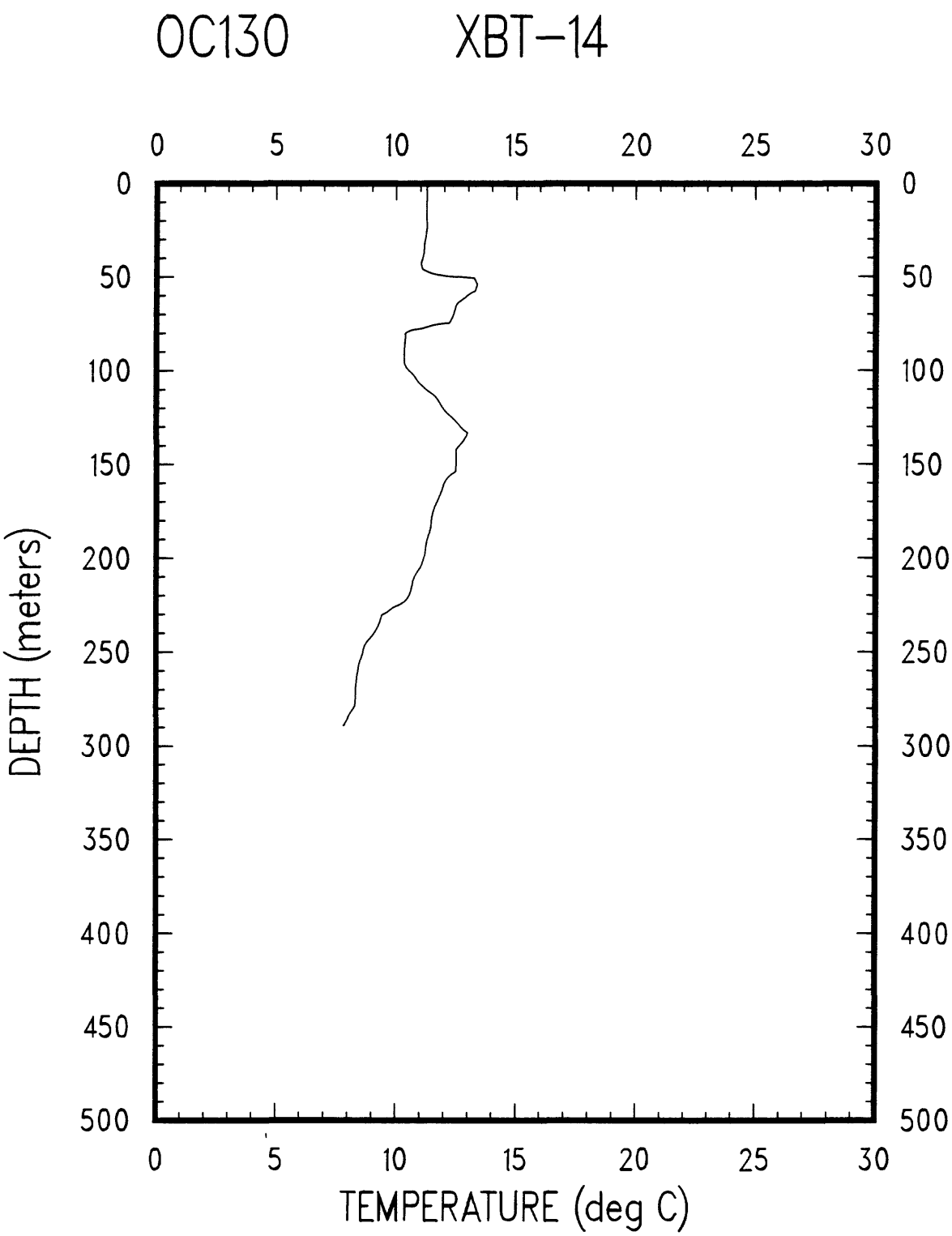

OC130
XBT-9
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-10
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-11
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-12
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130 XBT-13
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-14
0
5
10
15
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25
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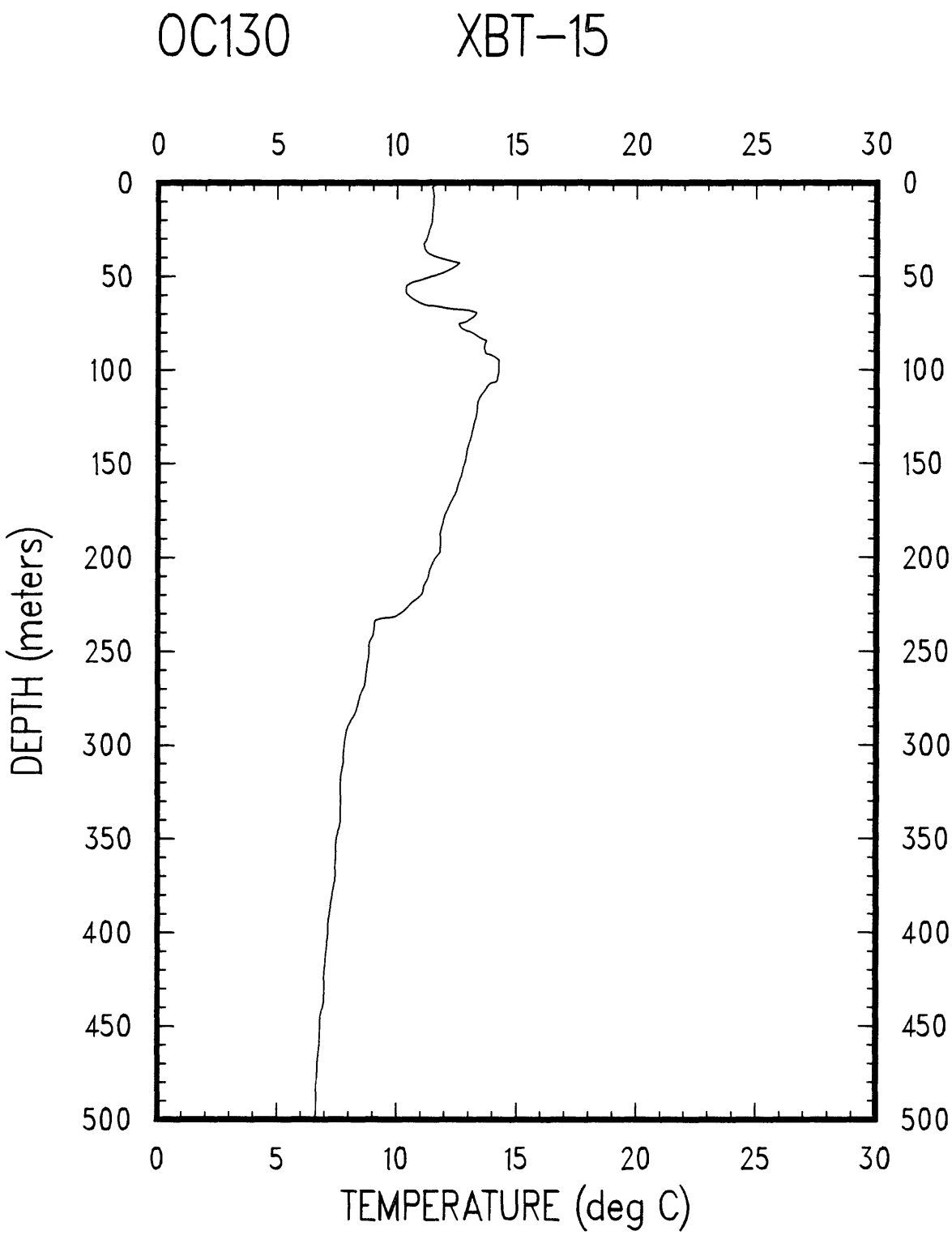
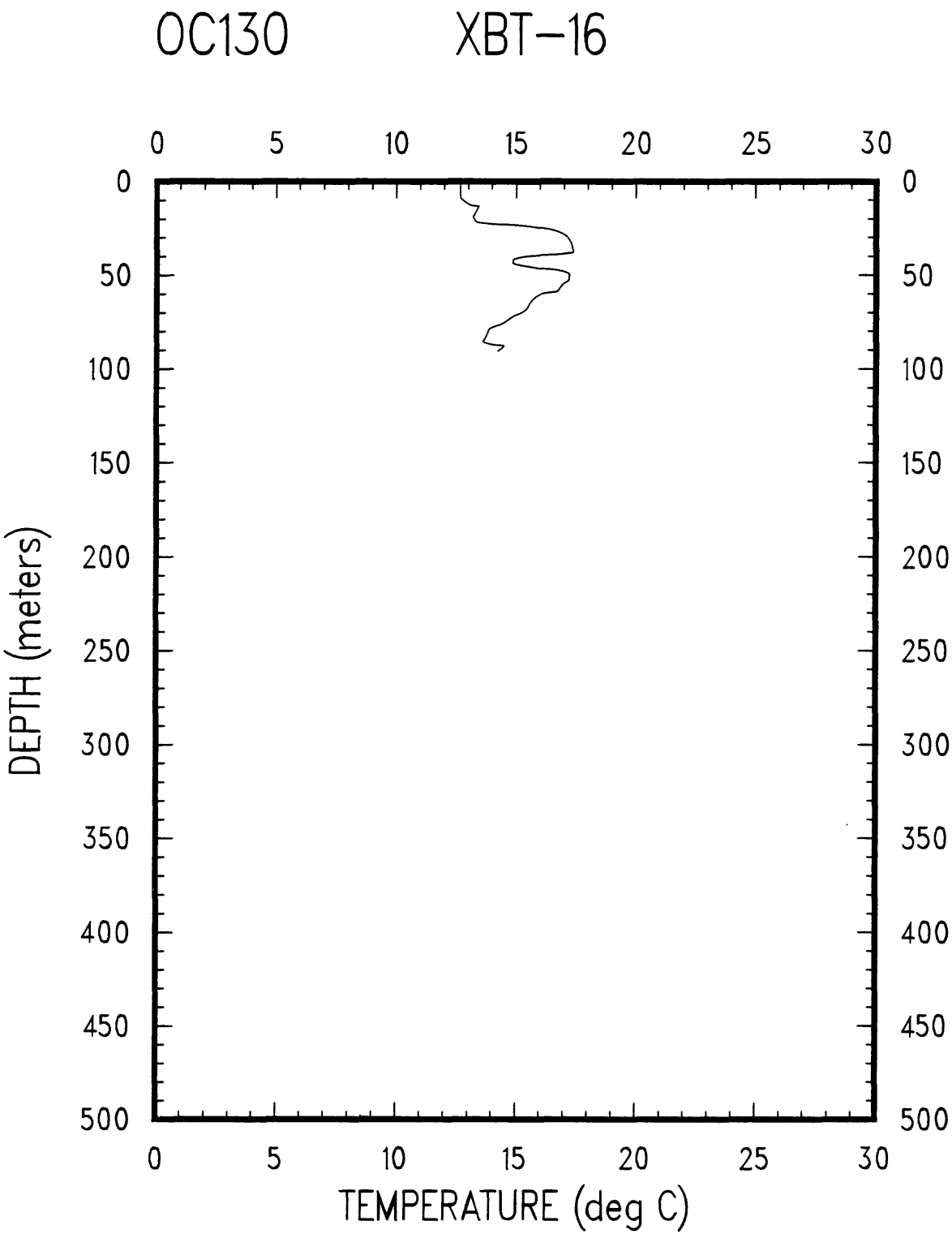
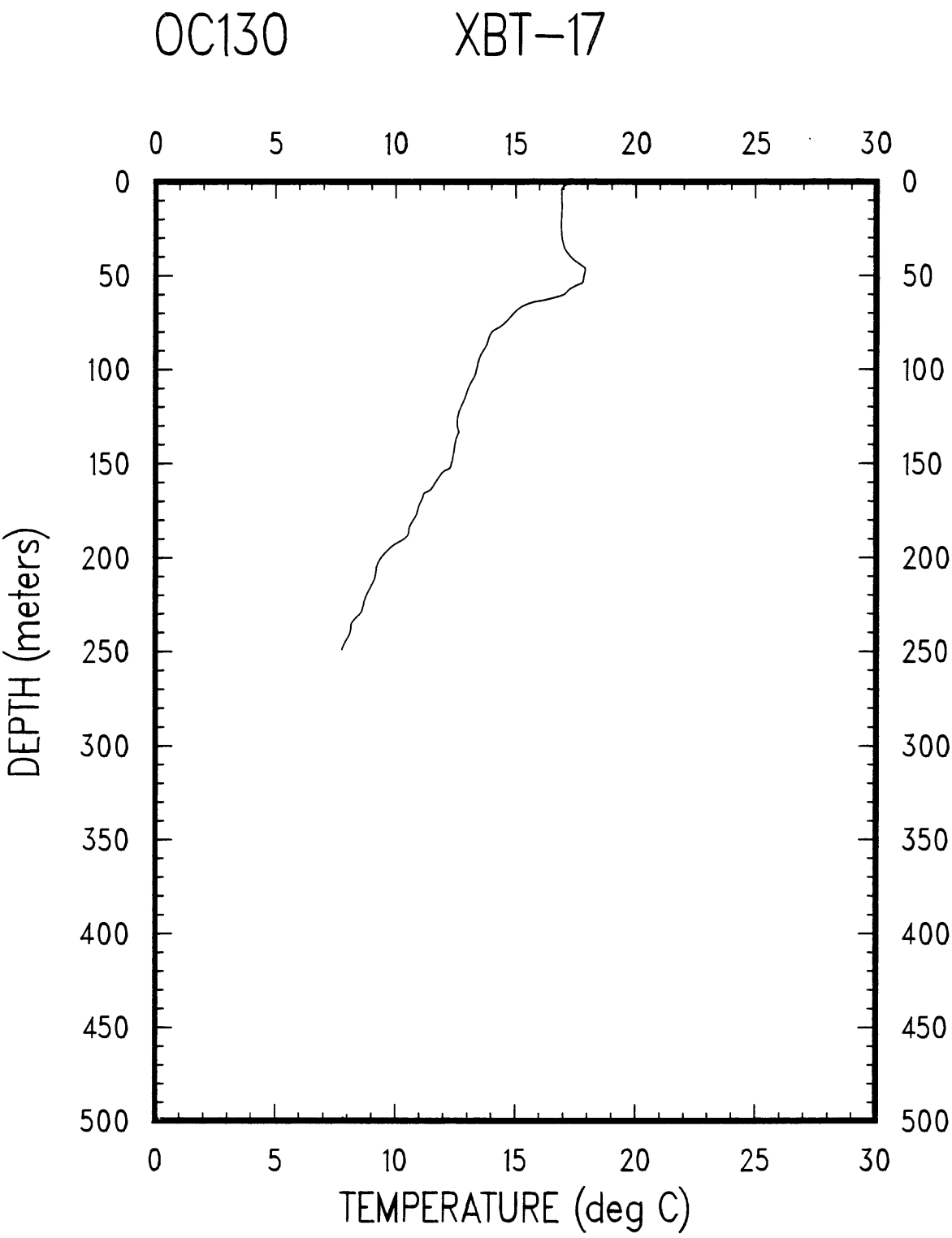
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-15
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-16
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-17
0
5
10
15
20
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0
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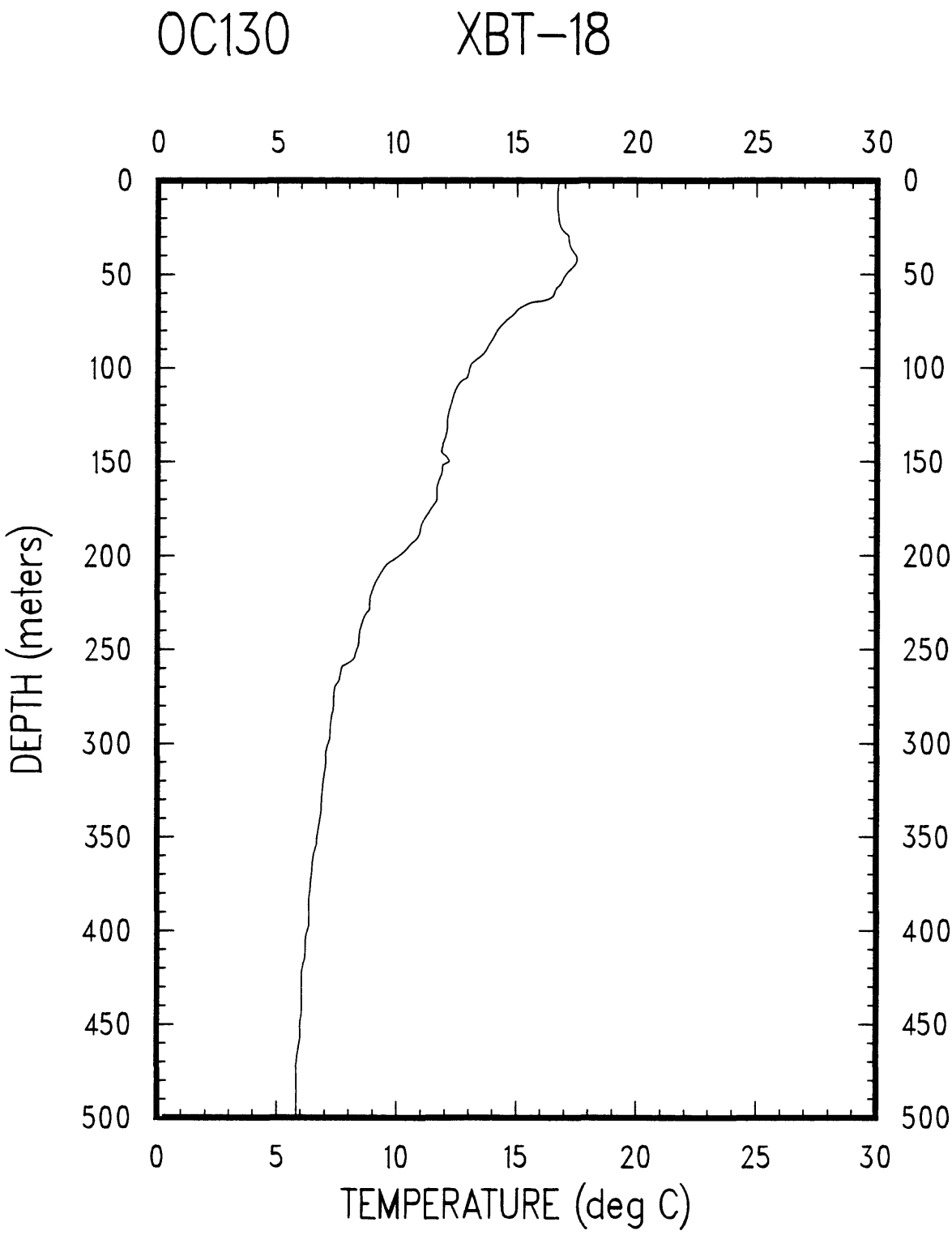
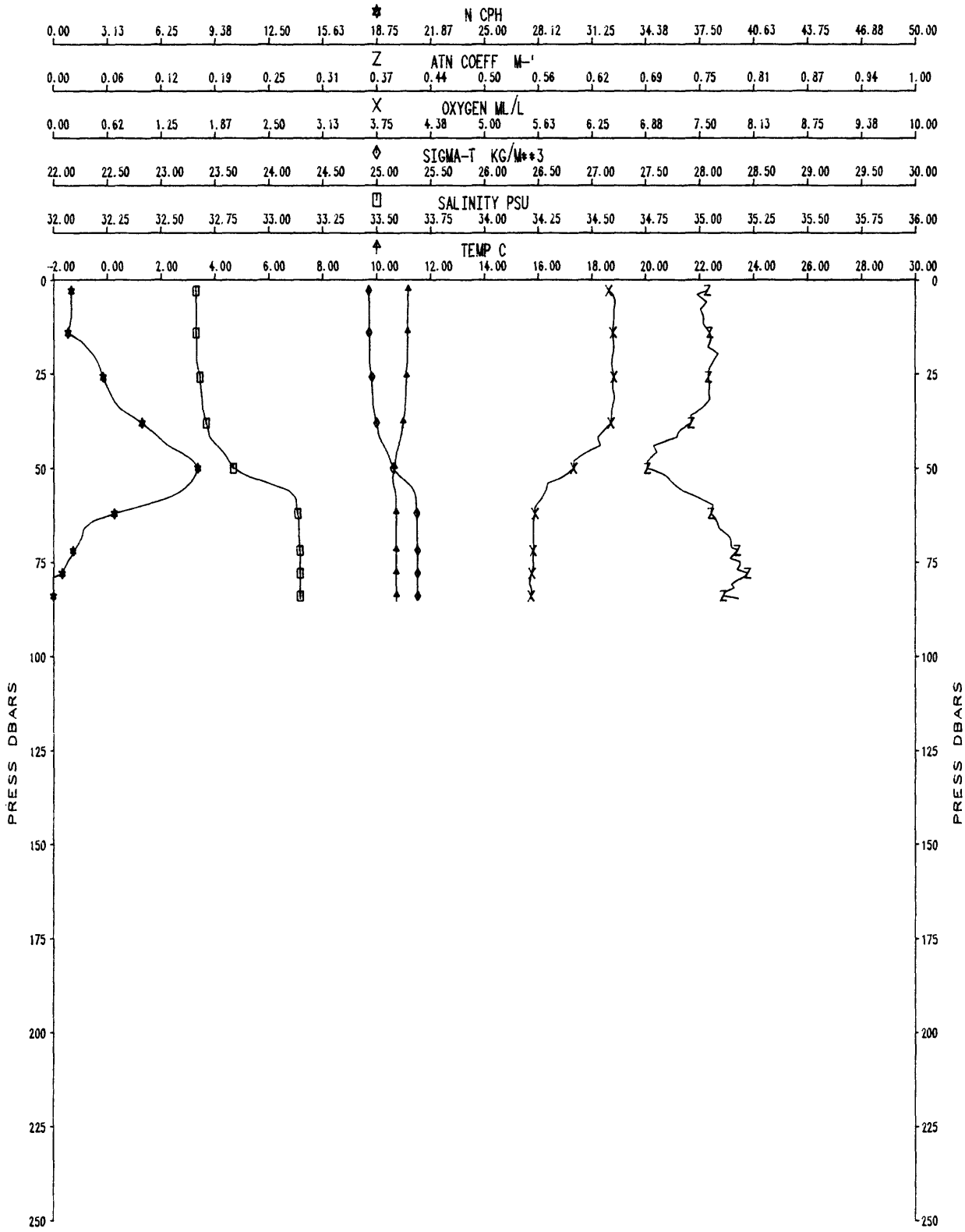
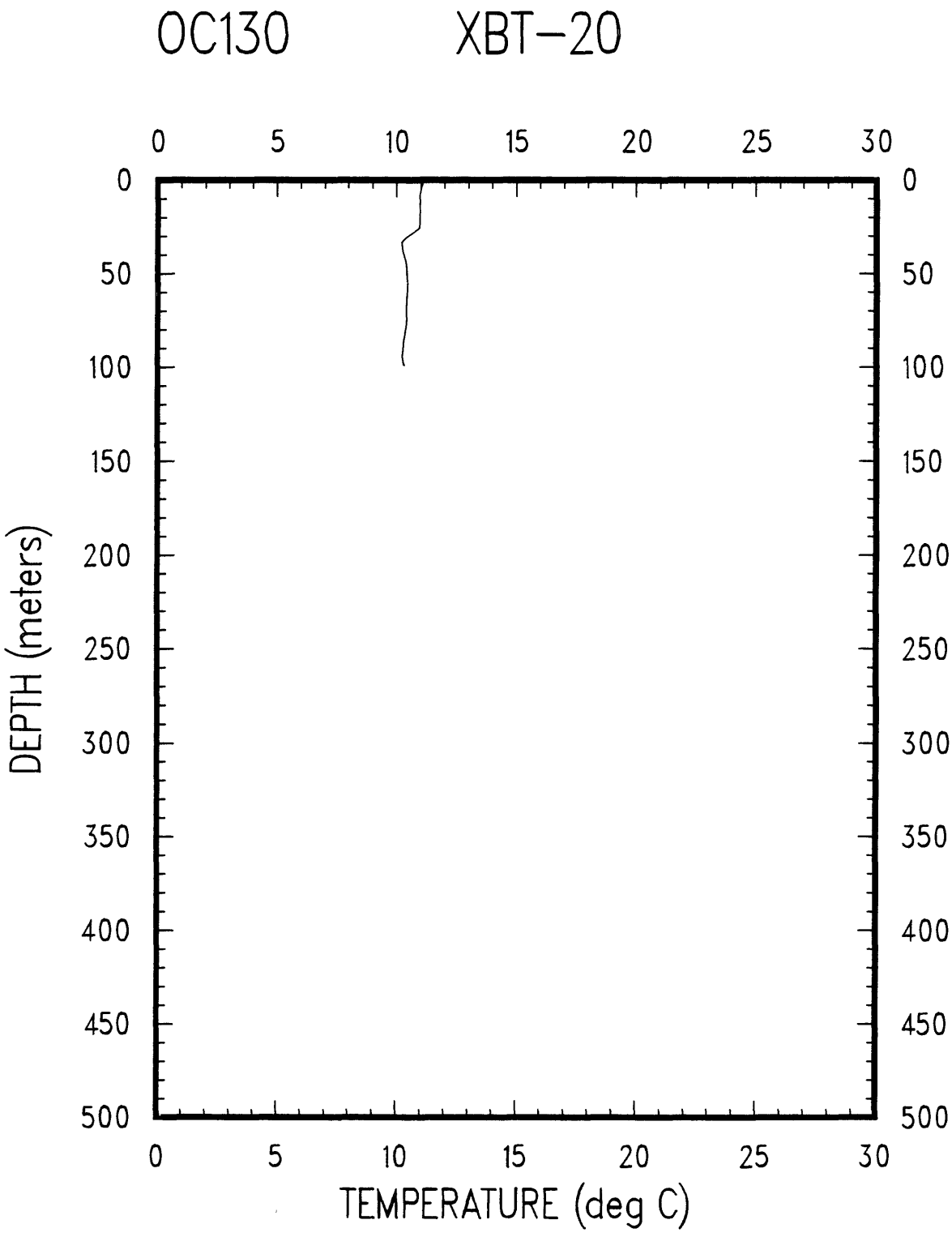
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

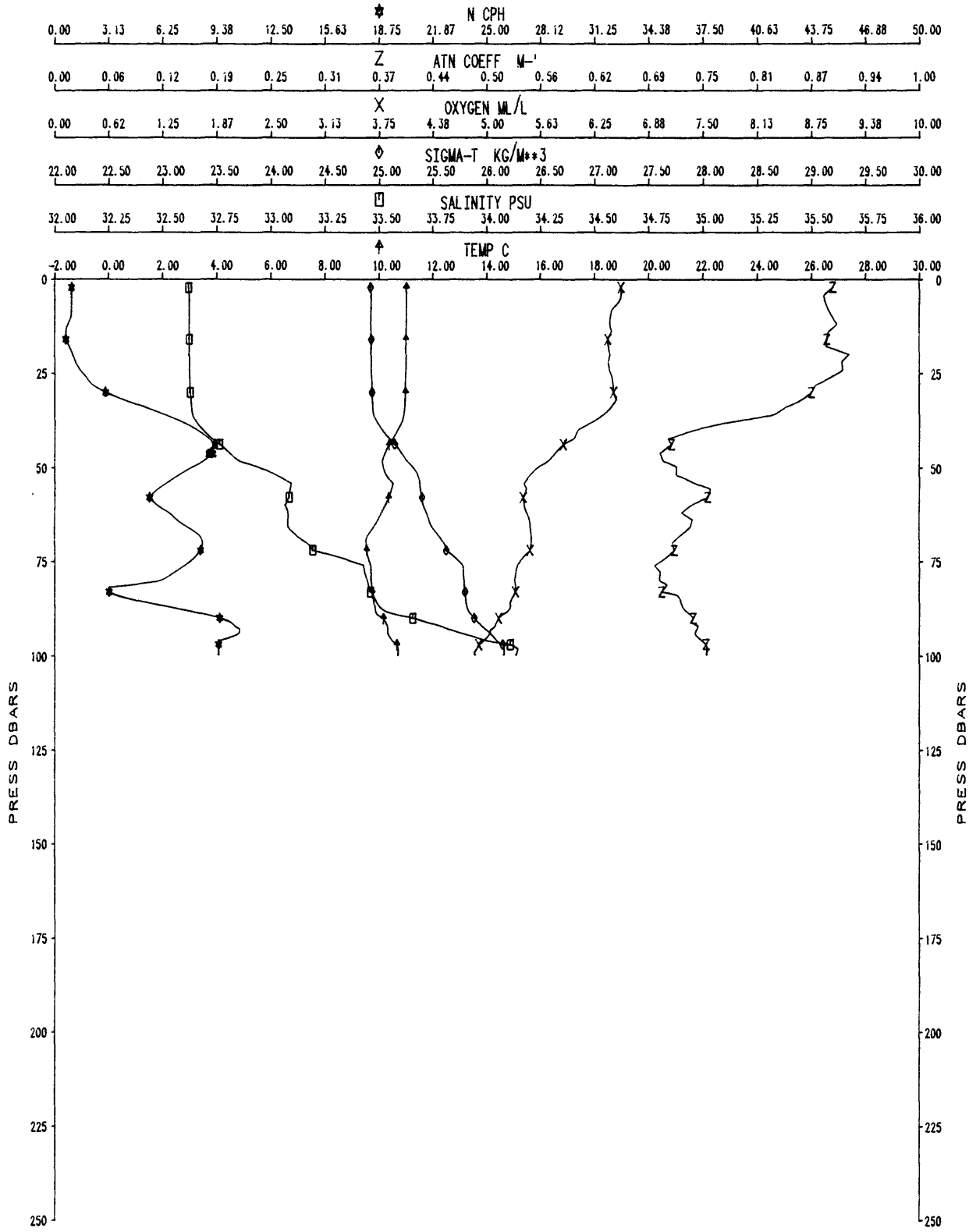

OC130 XBT-18
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

OC130A CAST #19

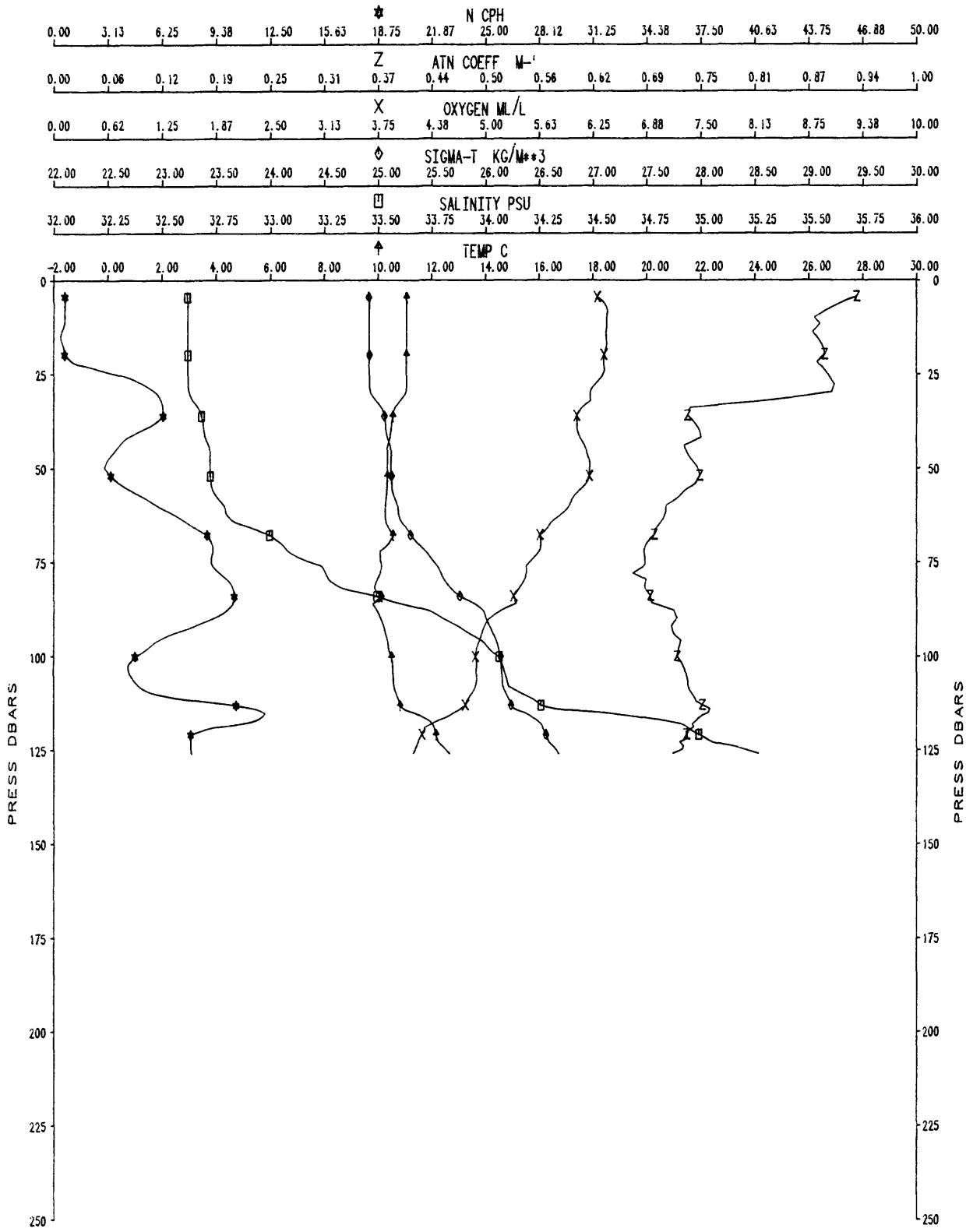



OC130
XBT-20
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

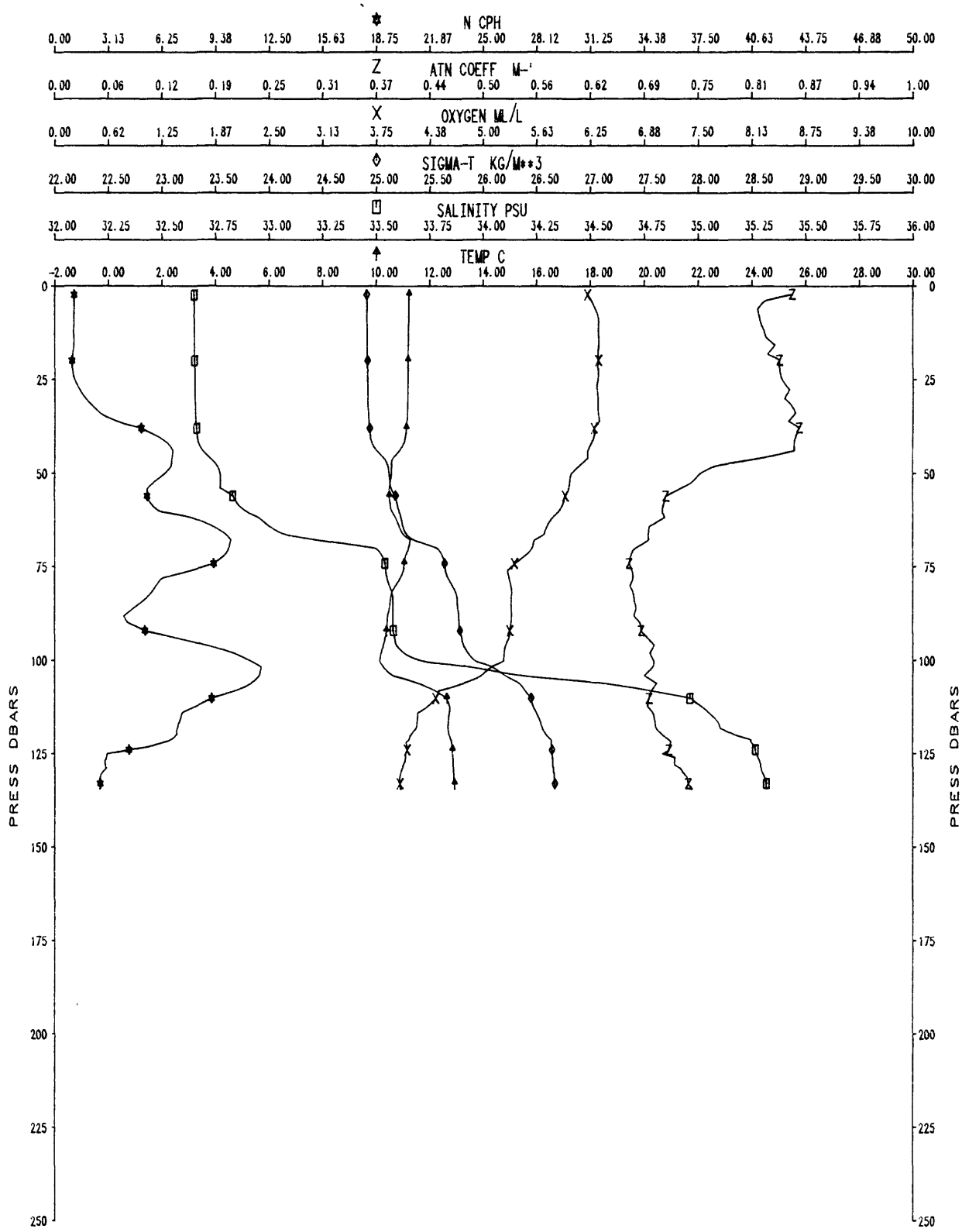
OC130A CAST #21



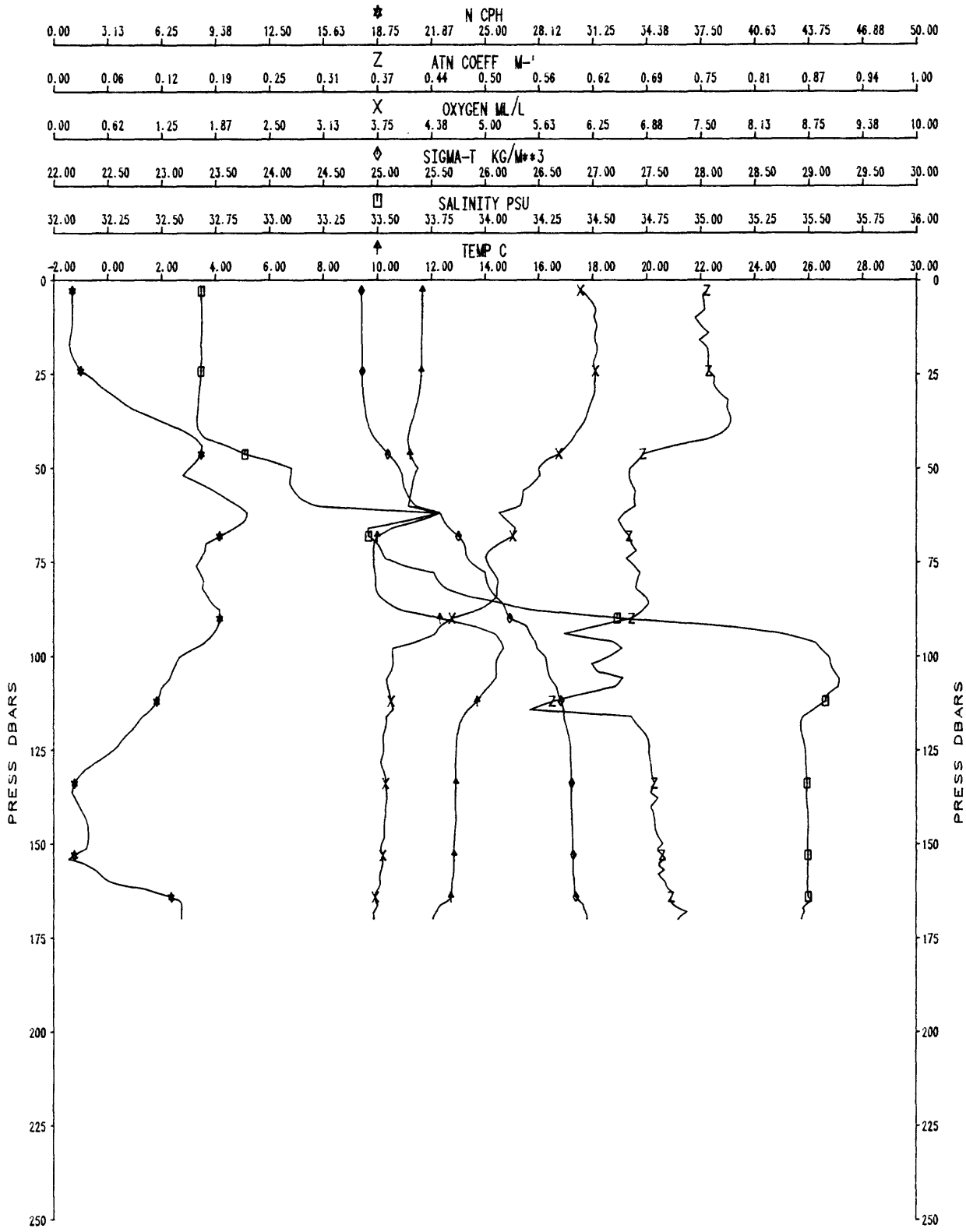
OC130A CAST #22



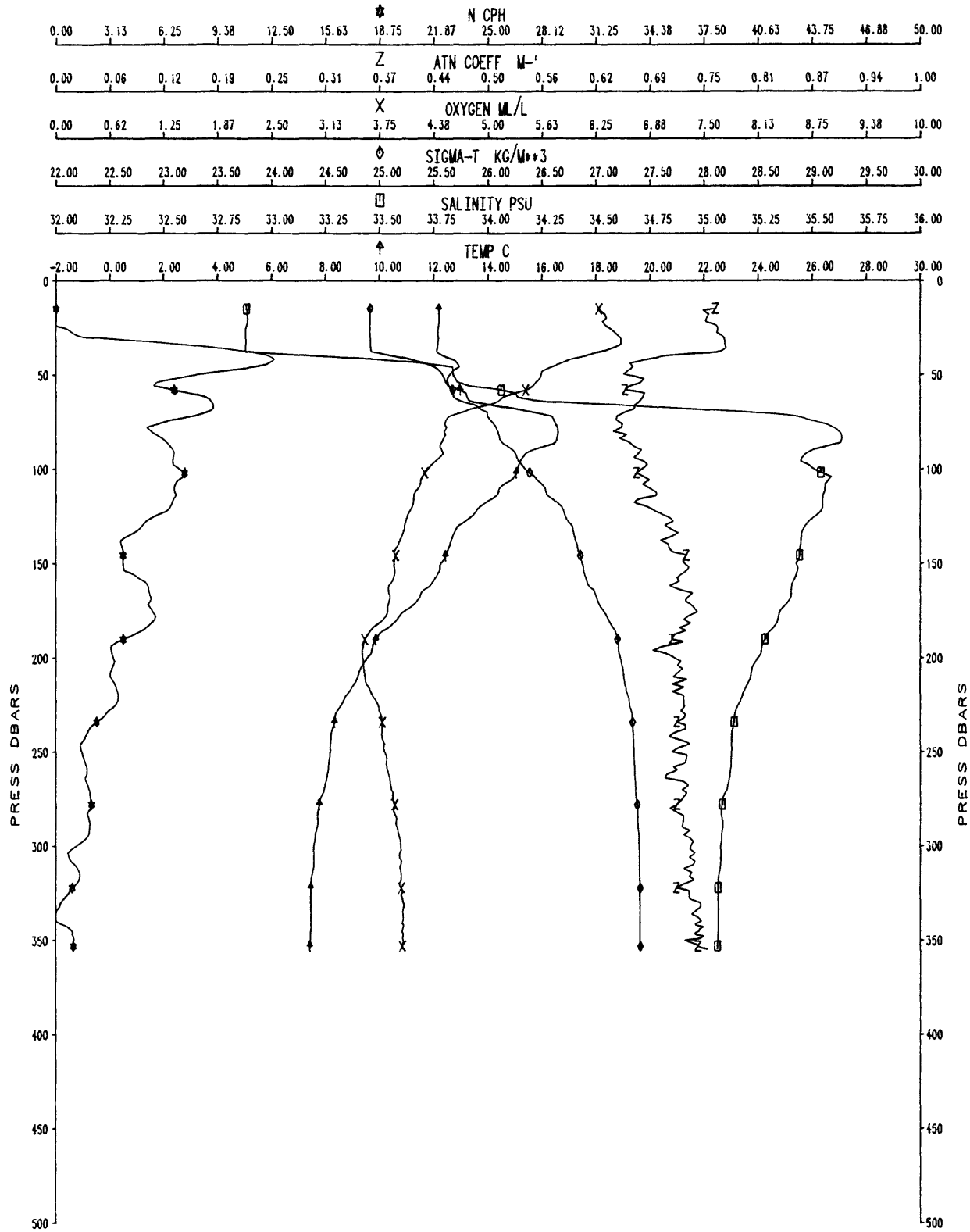
OC130A CAST #23

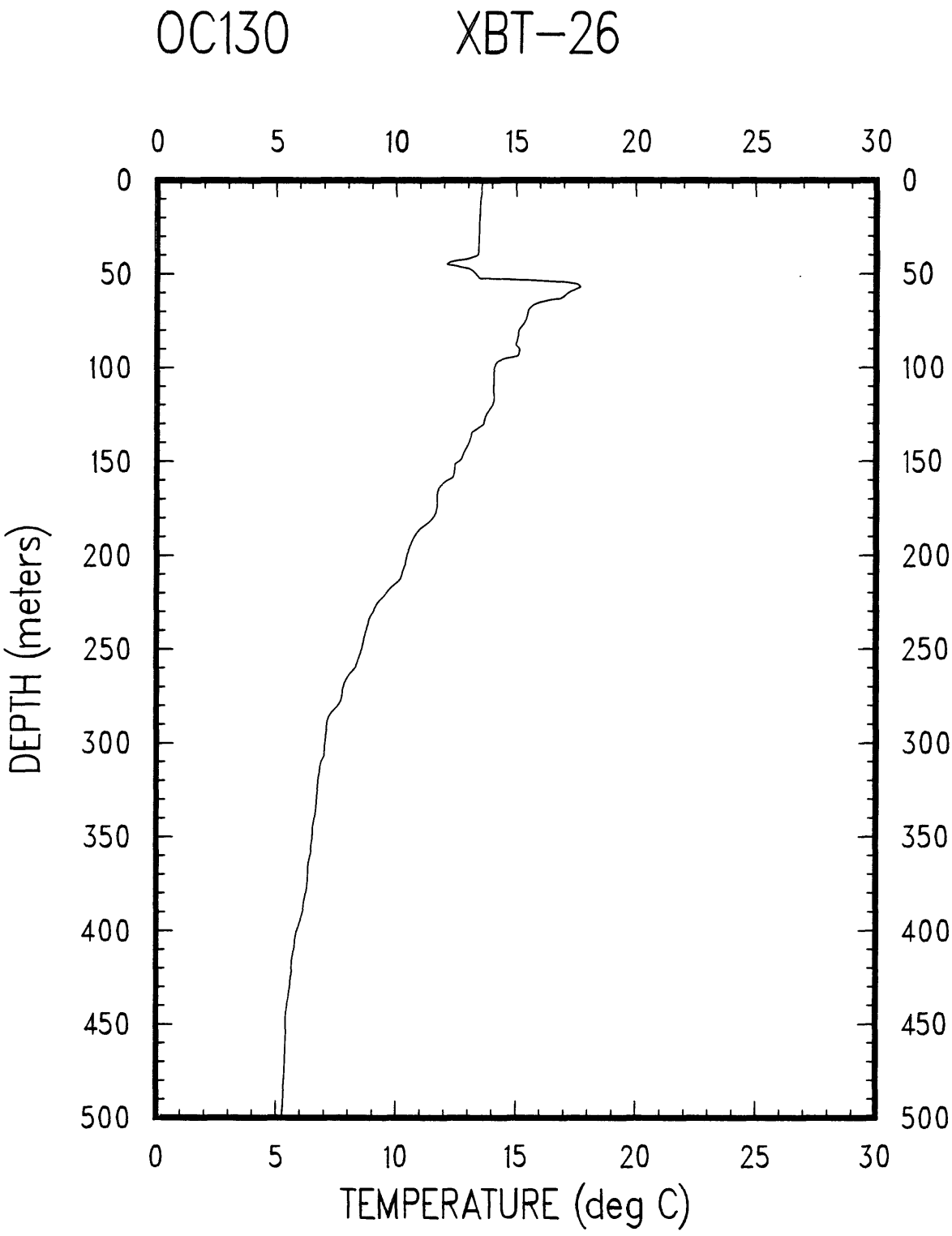


OC130A CAST #24

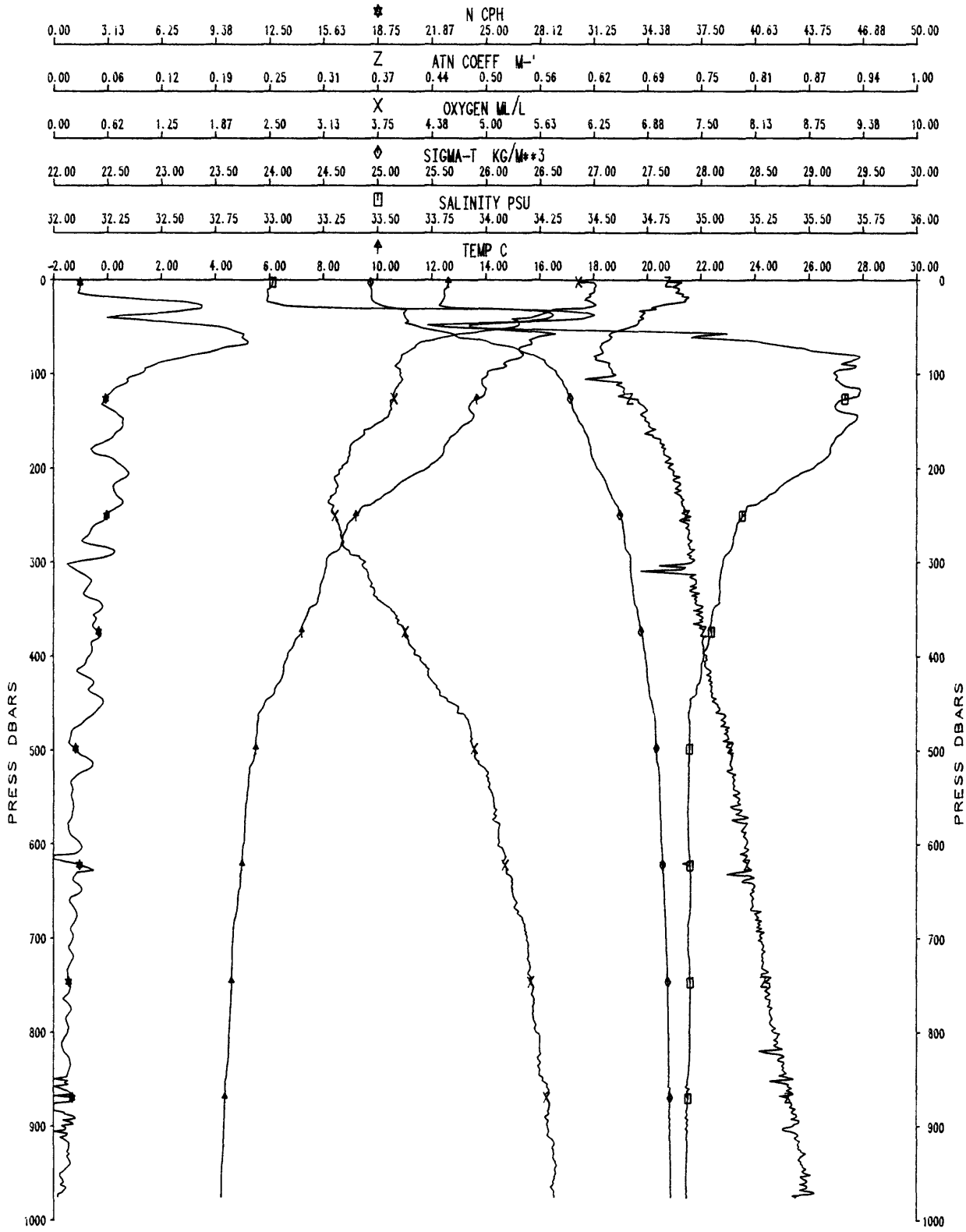


OC130A CAST #25

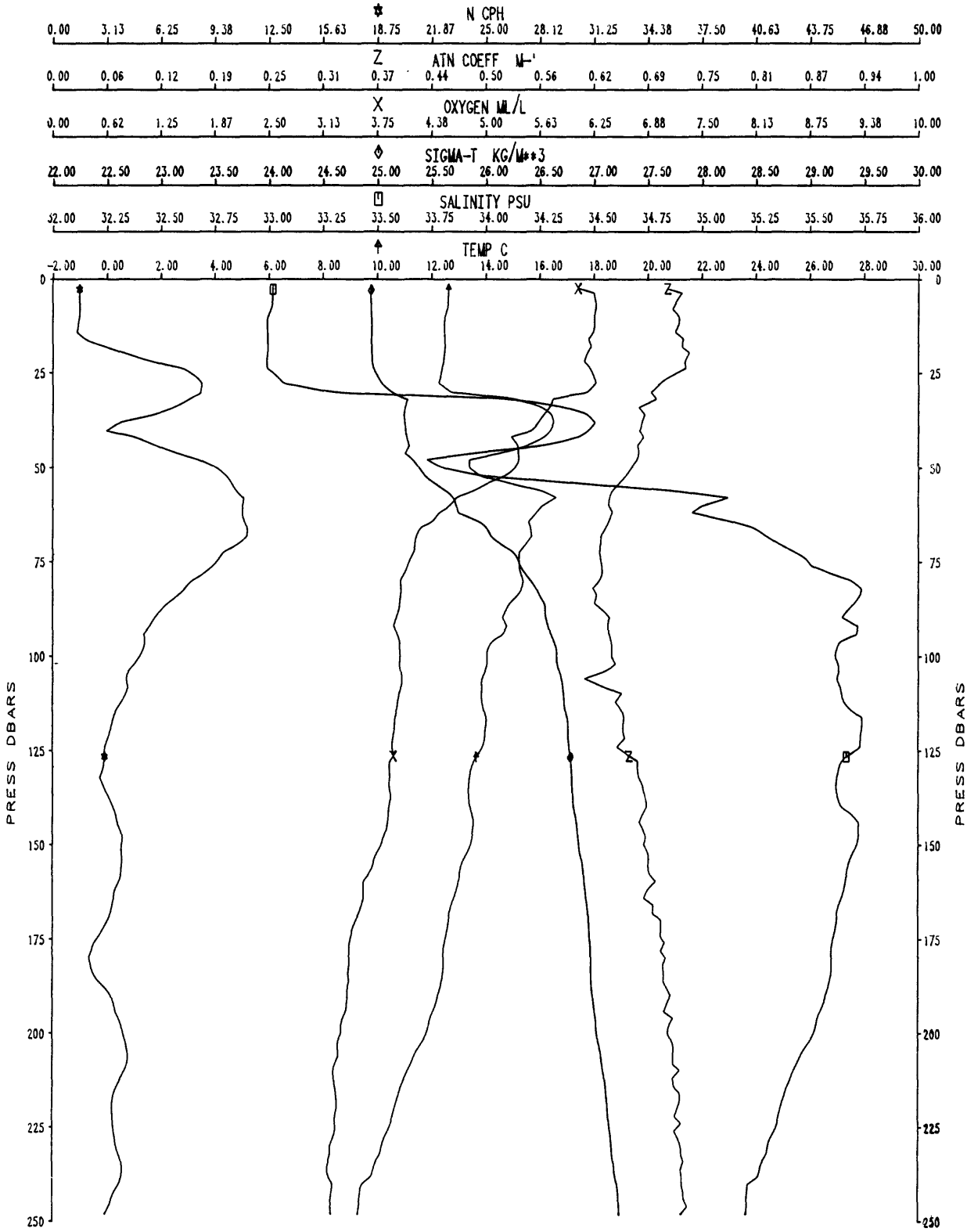



OC130
XBT-26
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

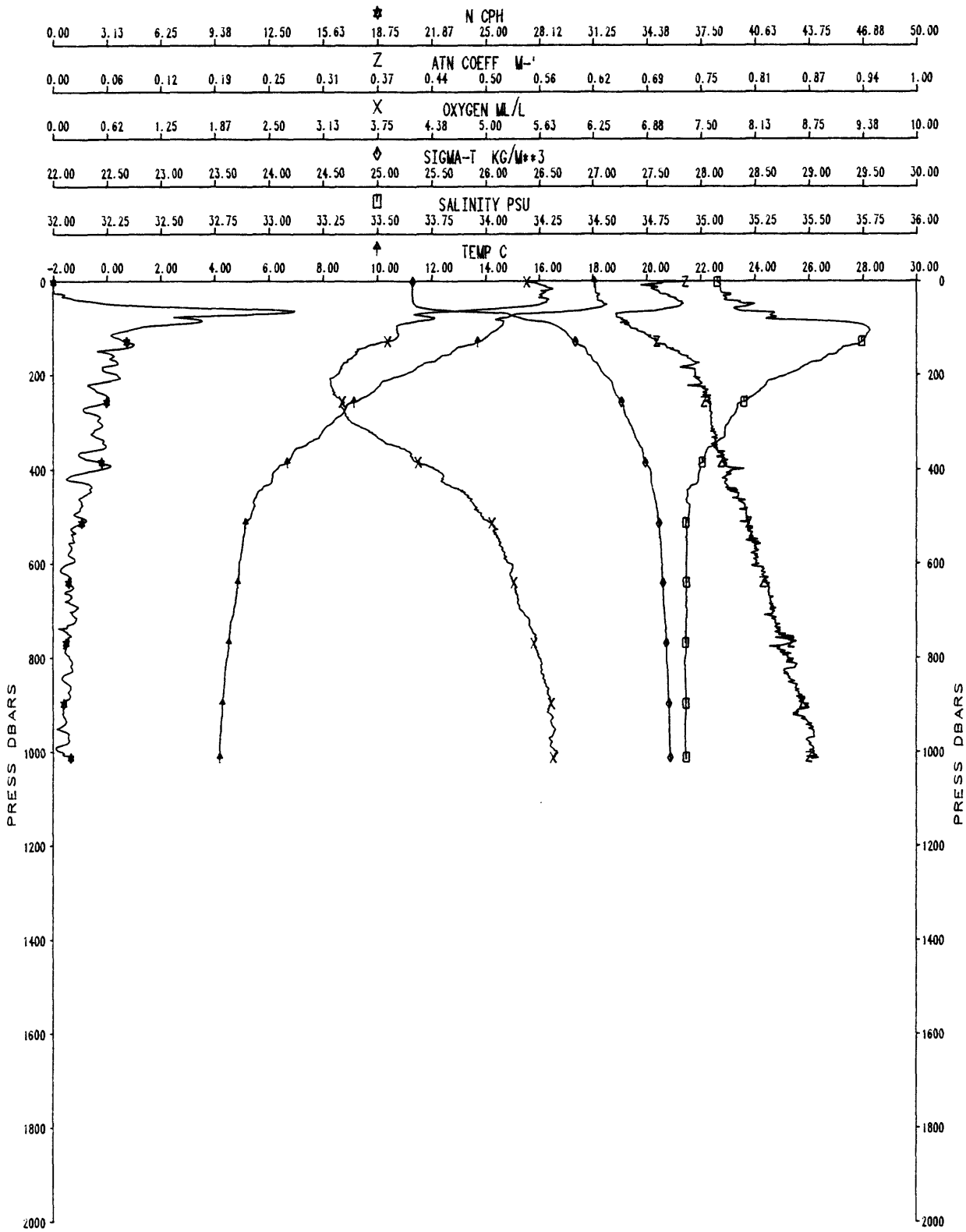
OC130A CAST #27

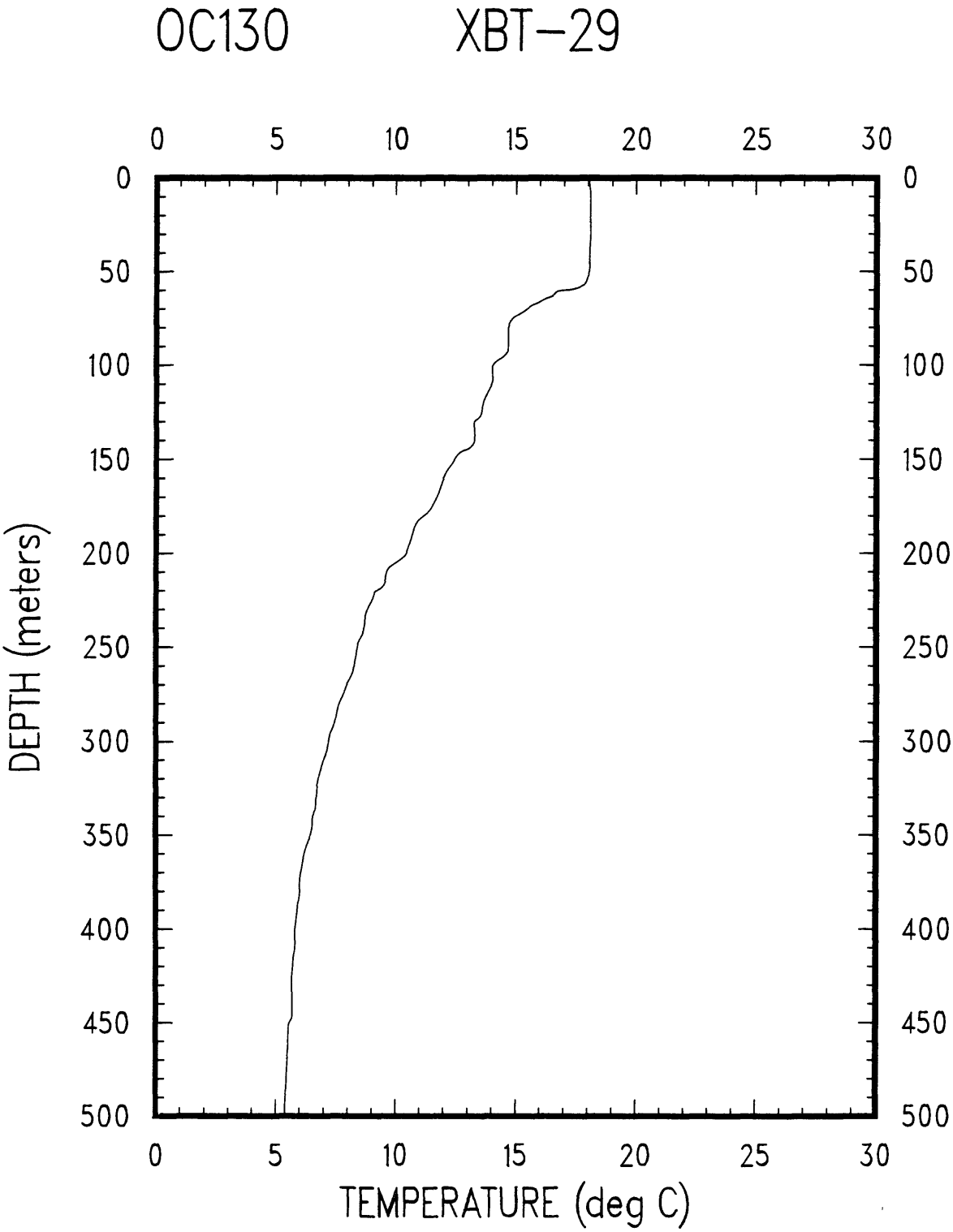


OC130A CAST #27

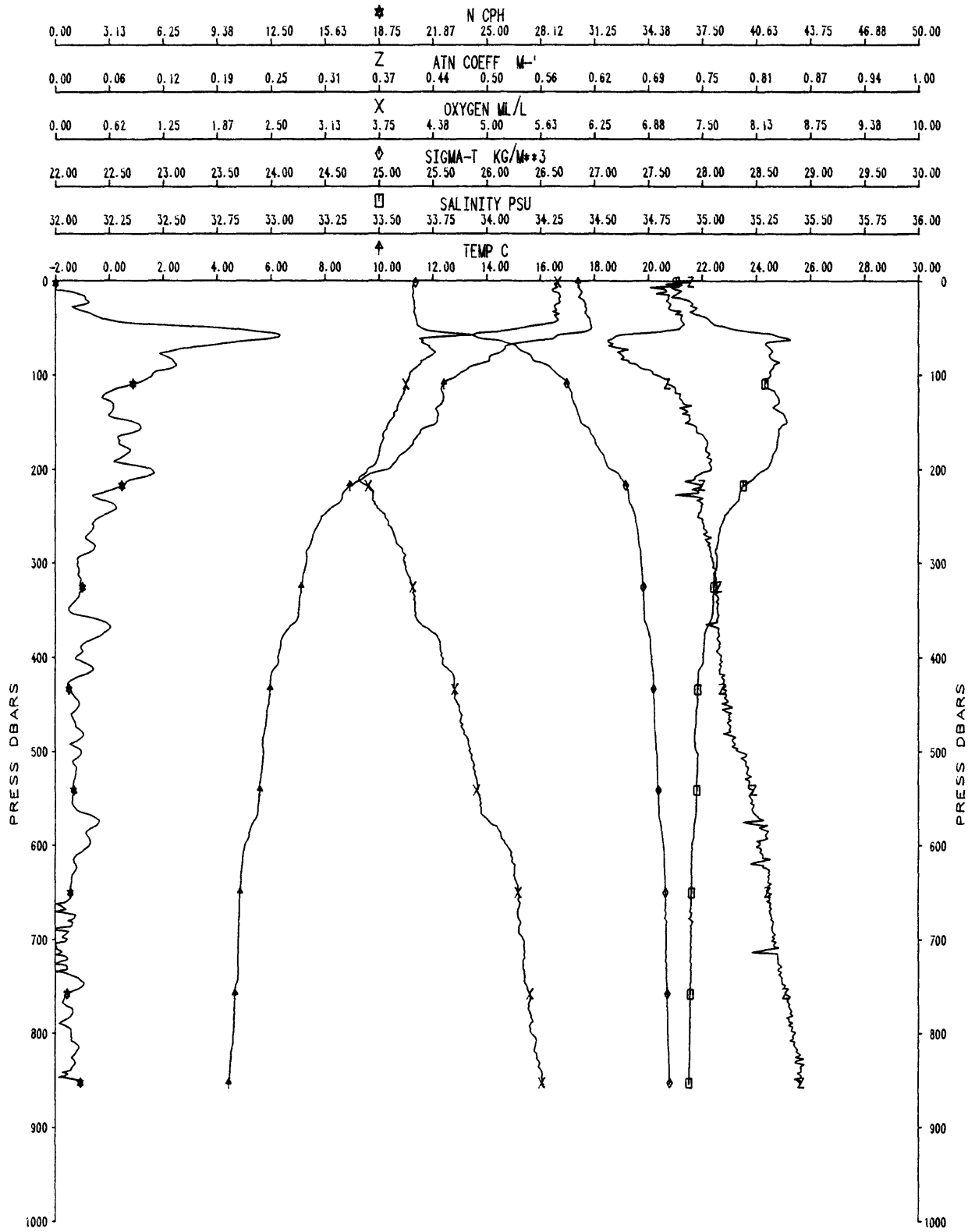


OC130A CAST #28

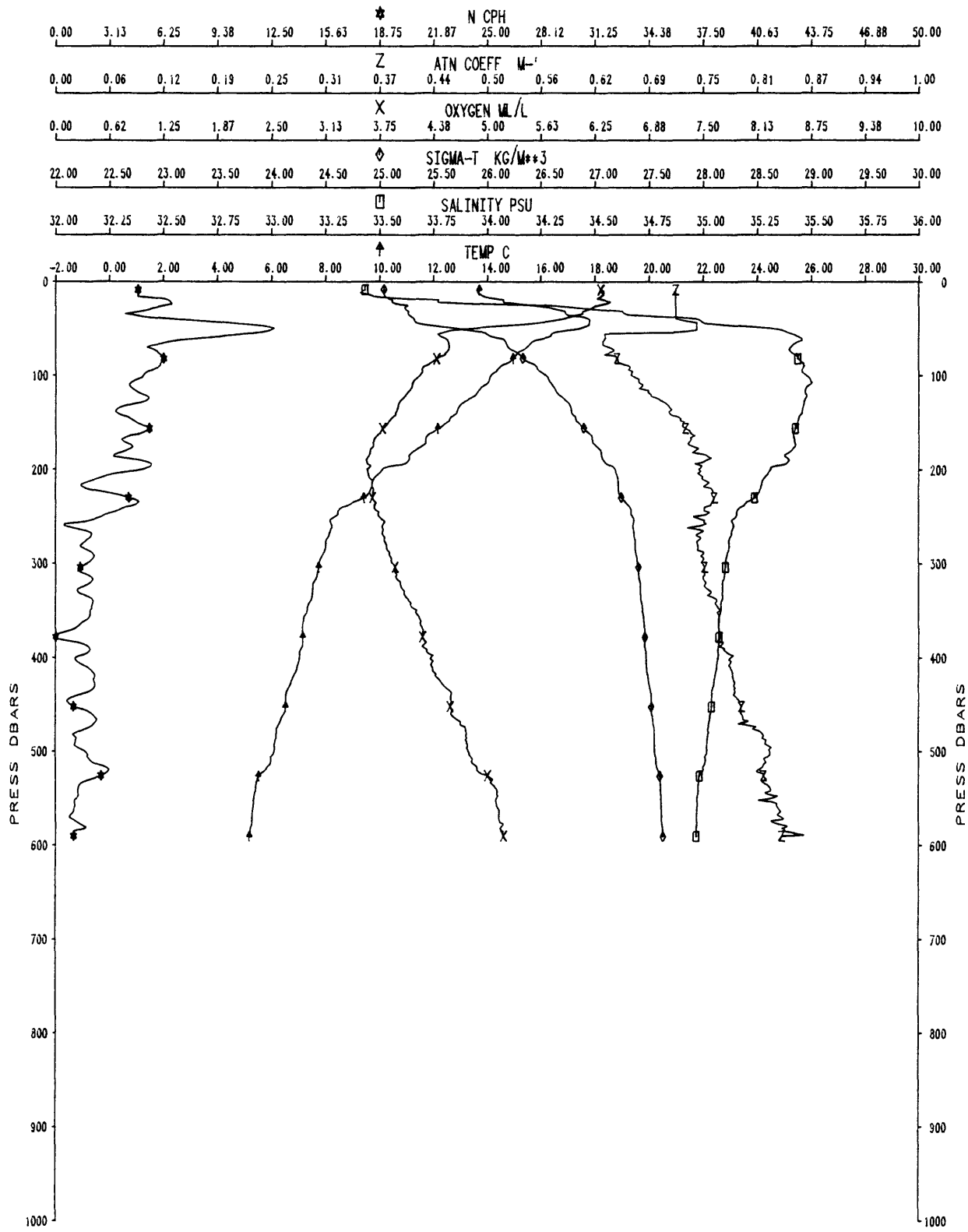



OC130
XBT-29
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

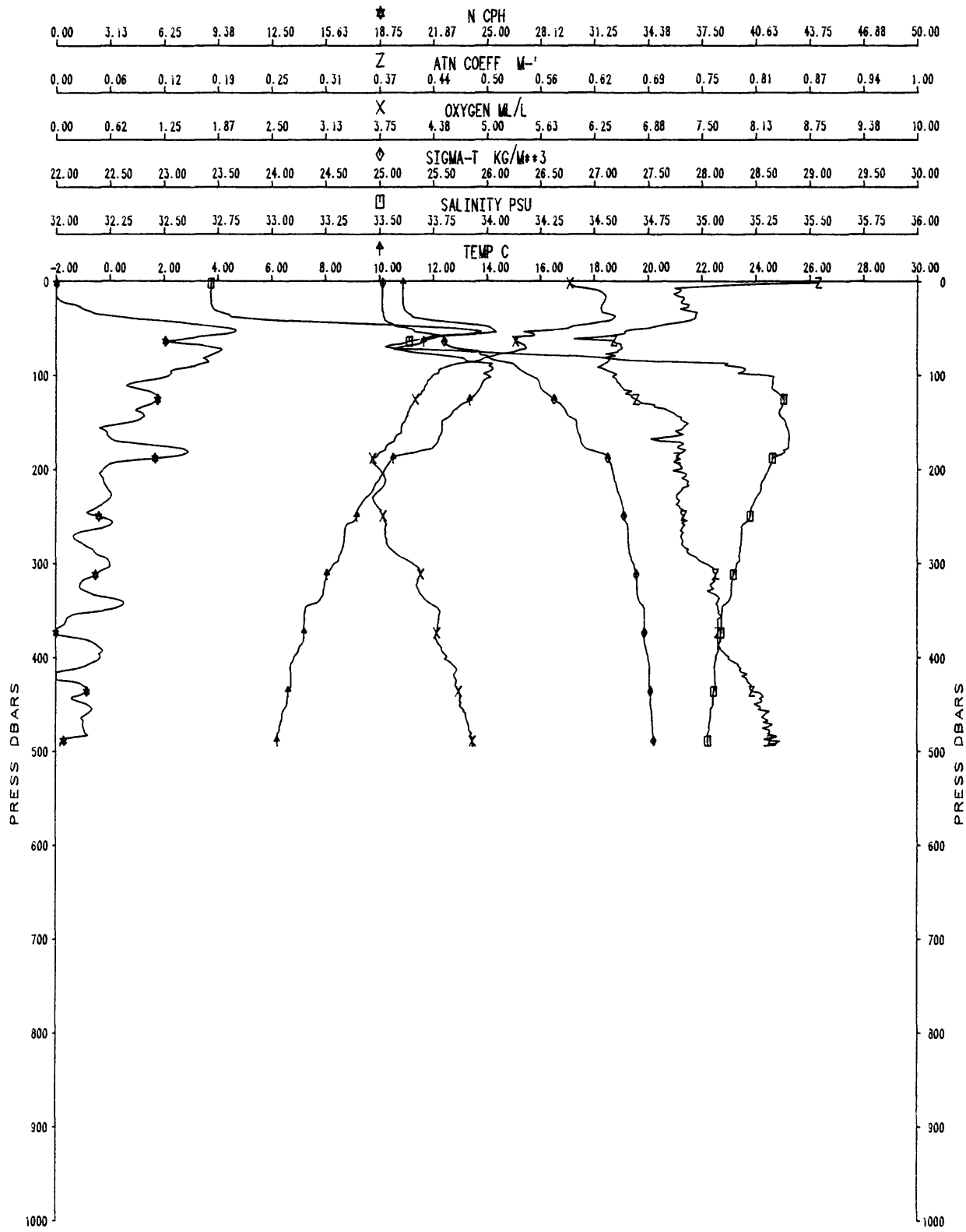
OC130A CAST #30



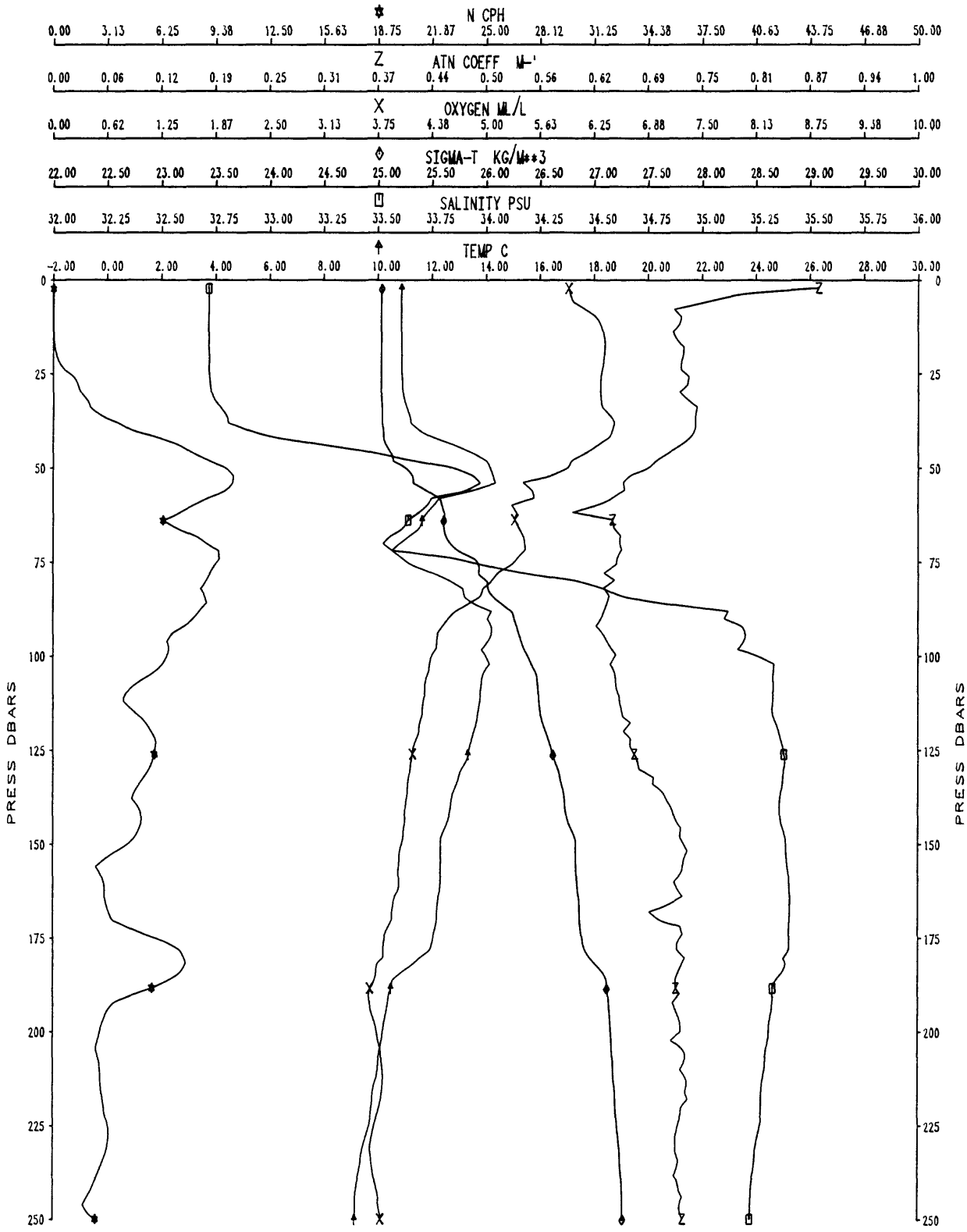
OC130A CAST #31



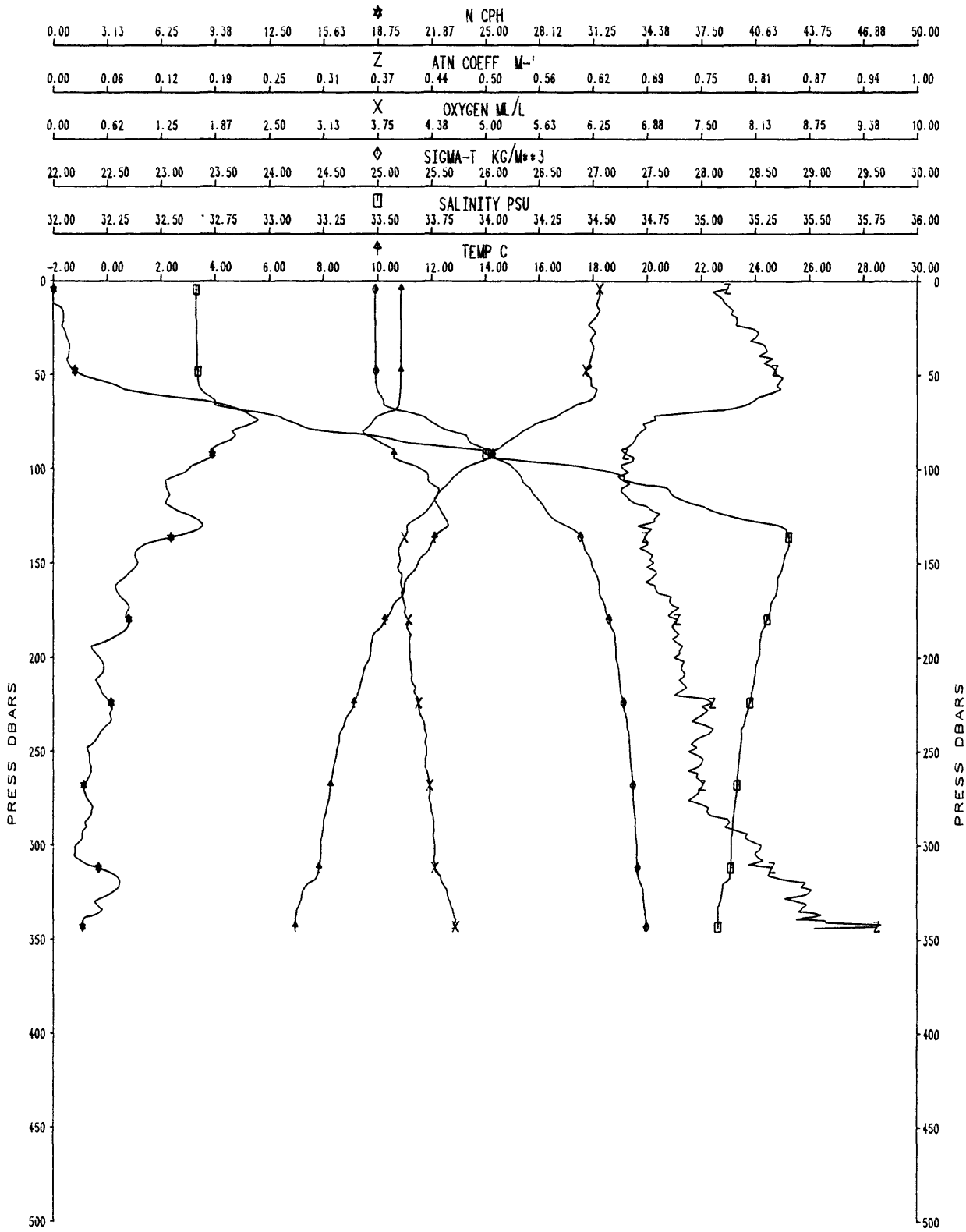
OC130A CAST #32



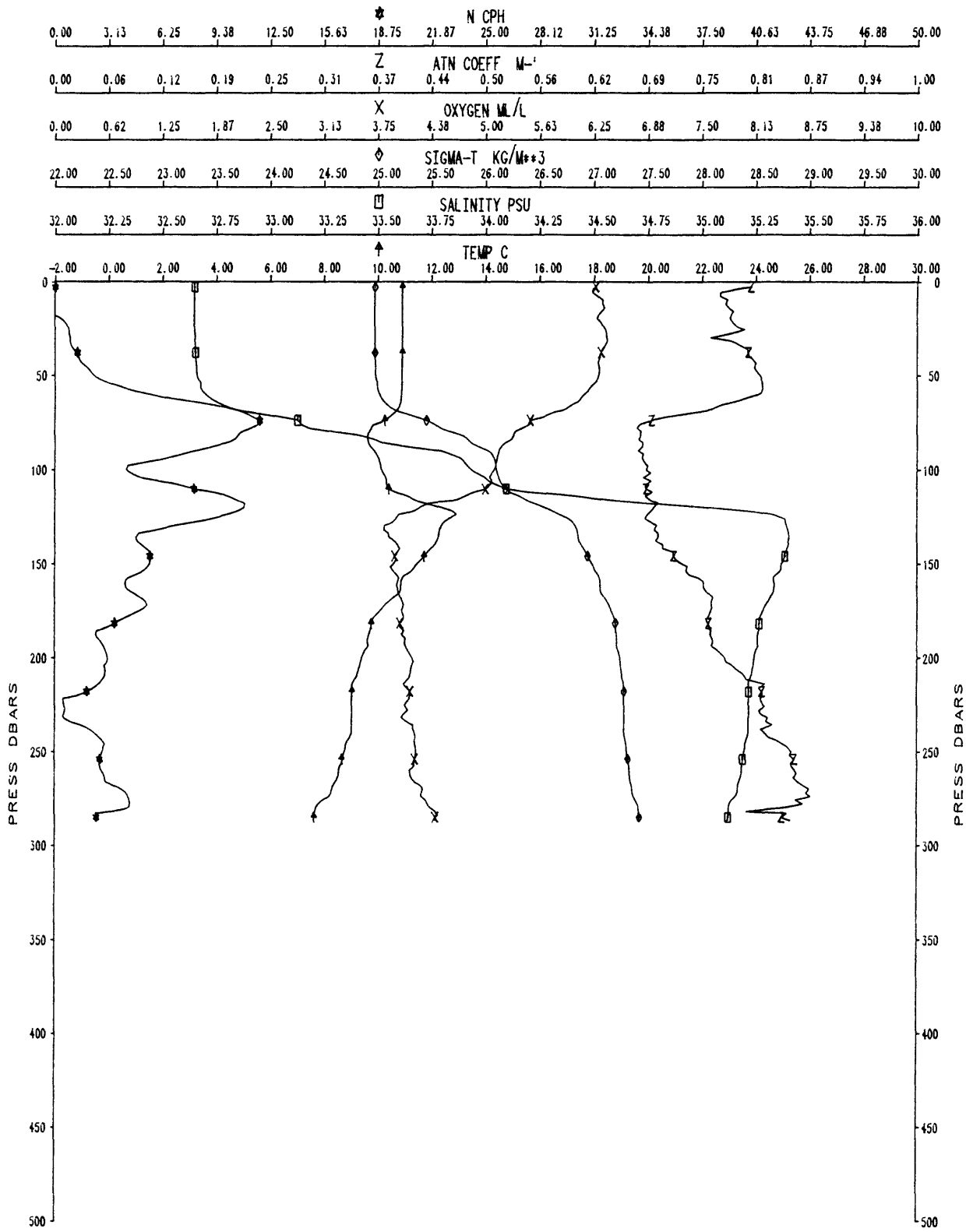
OC130A CAST #32



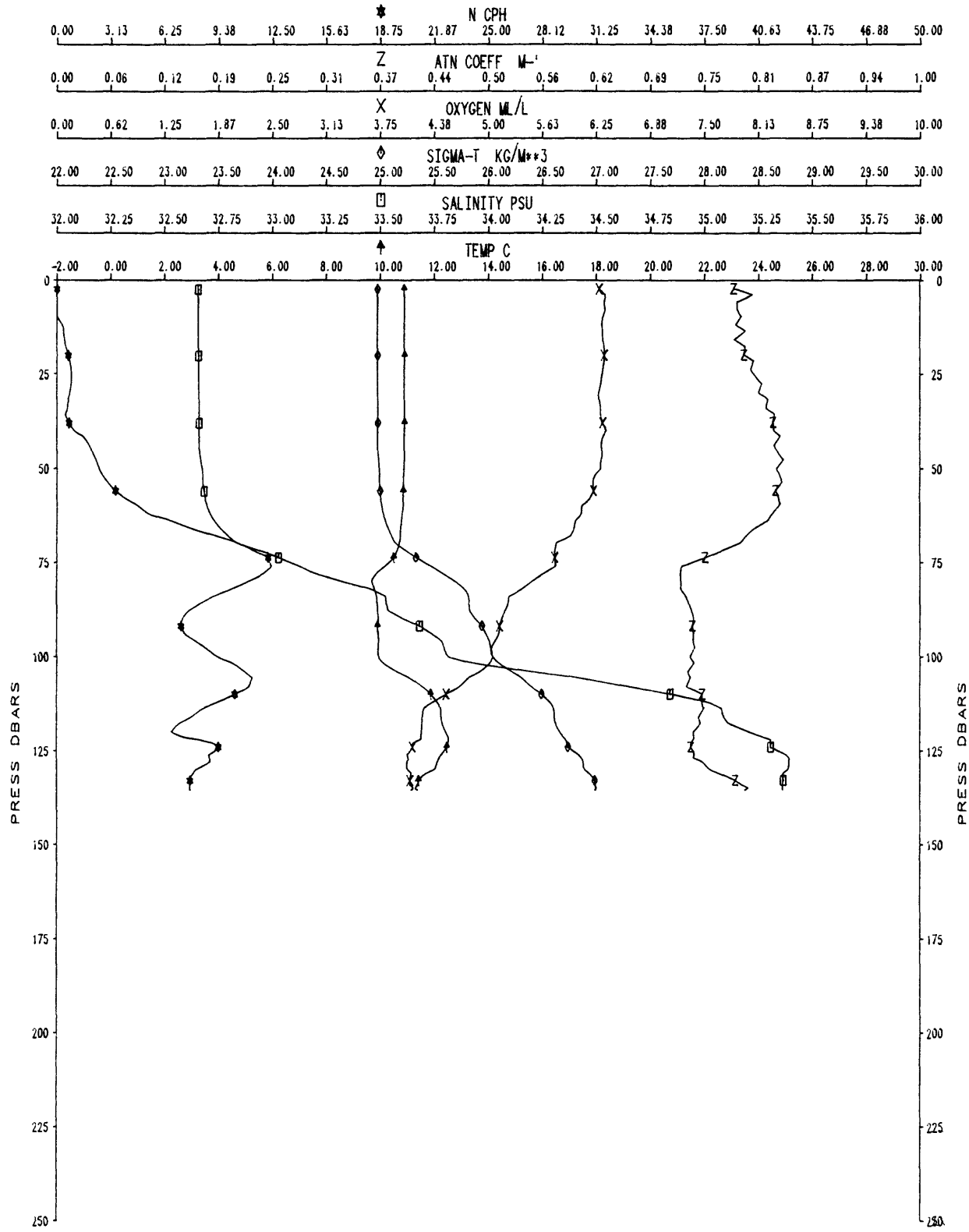
OC130A CAST #33



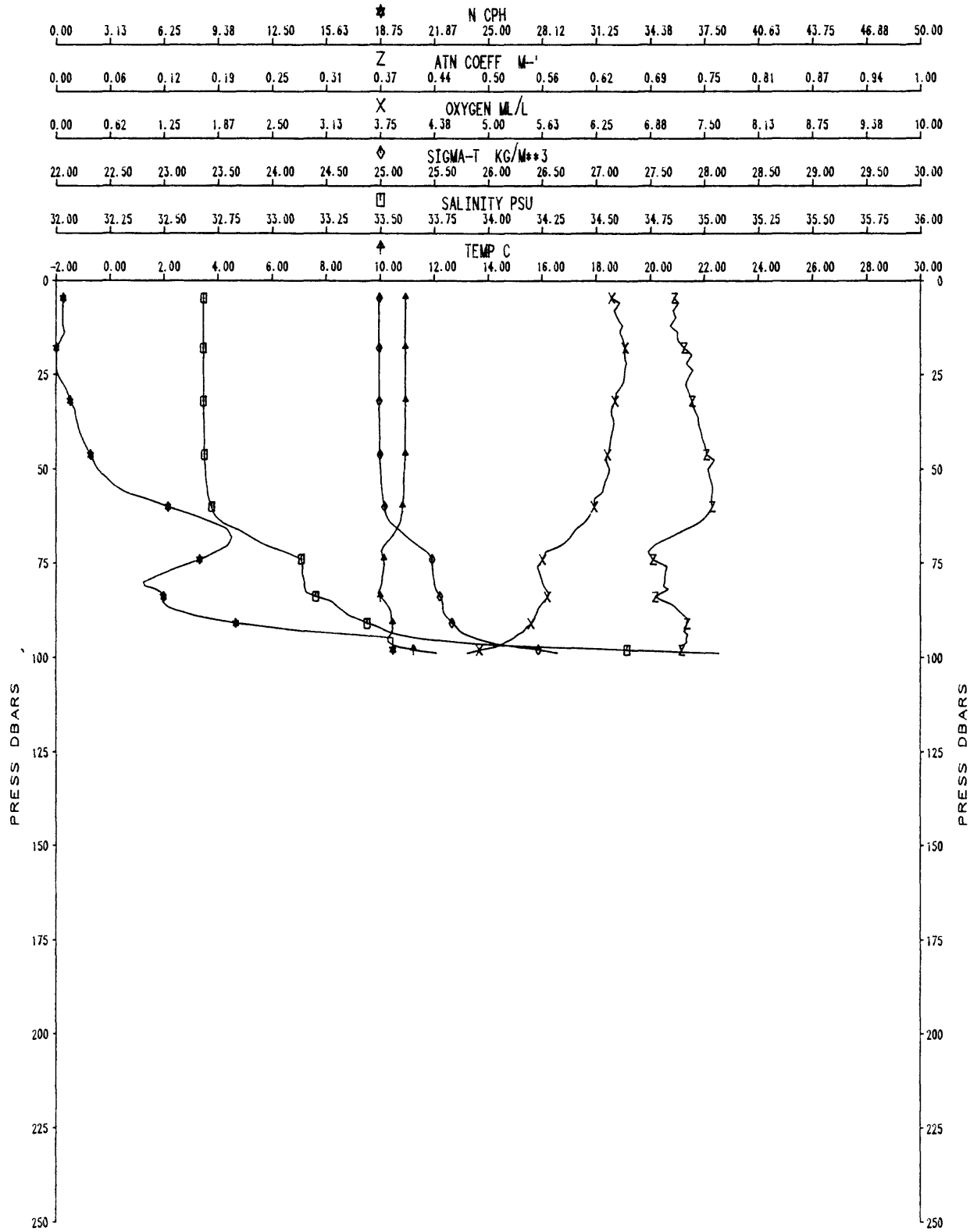
OC130A CAST #34

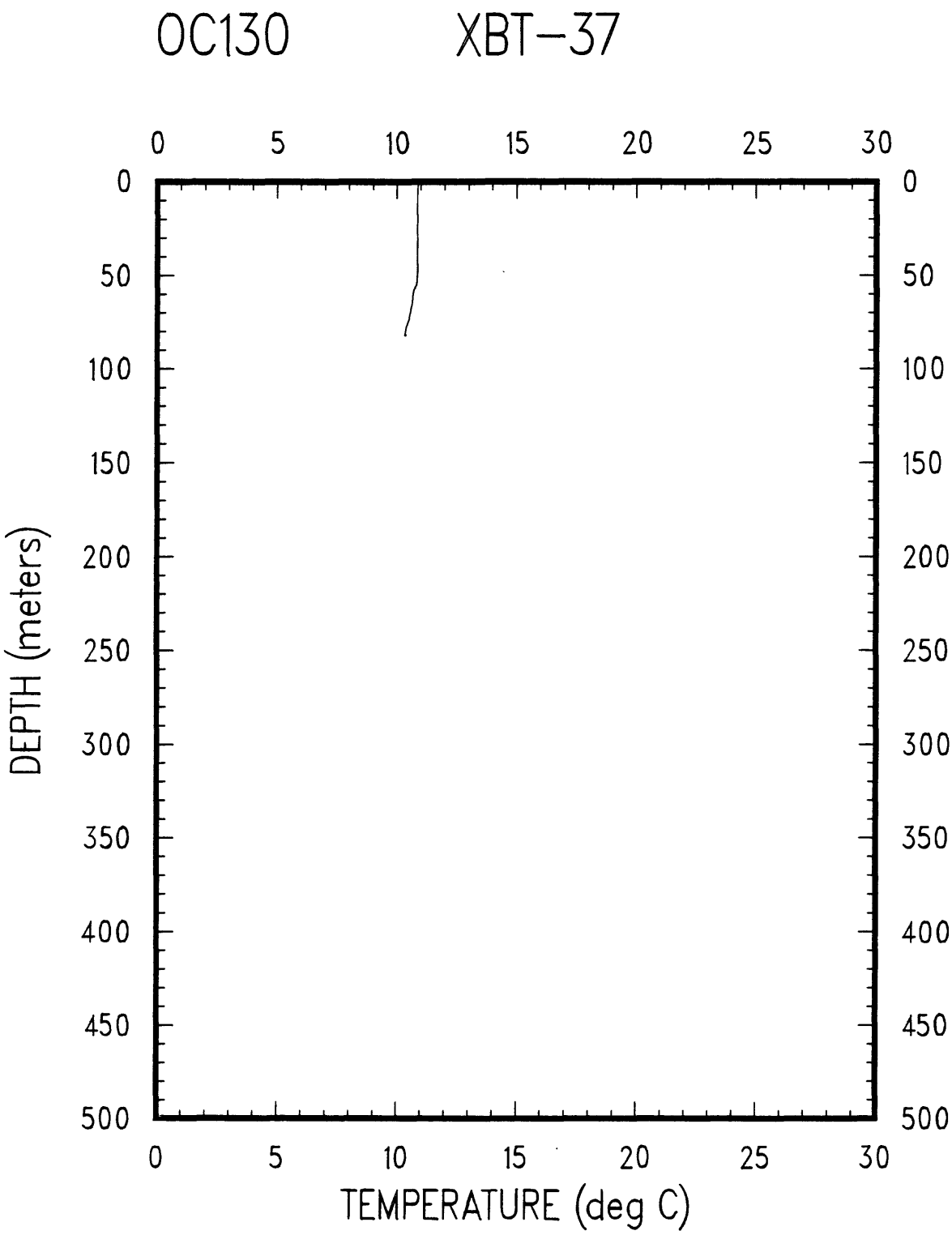


OC130A CAST #35

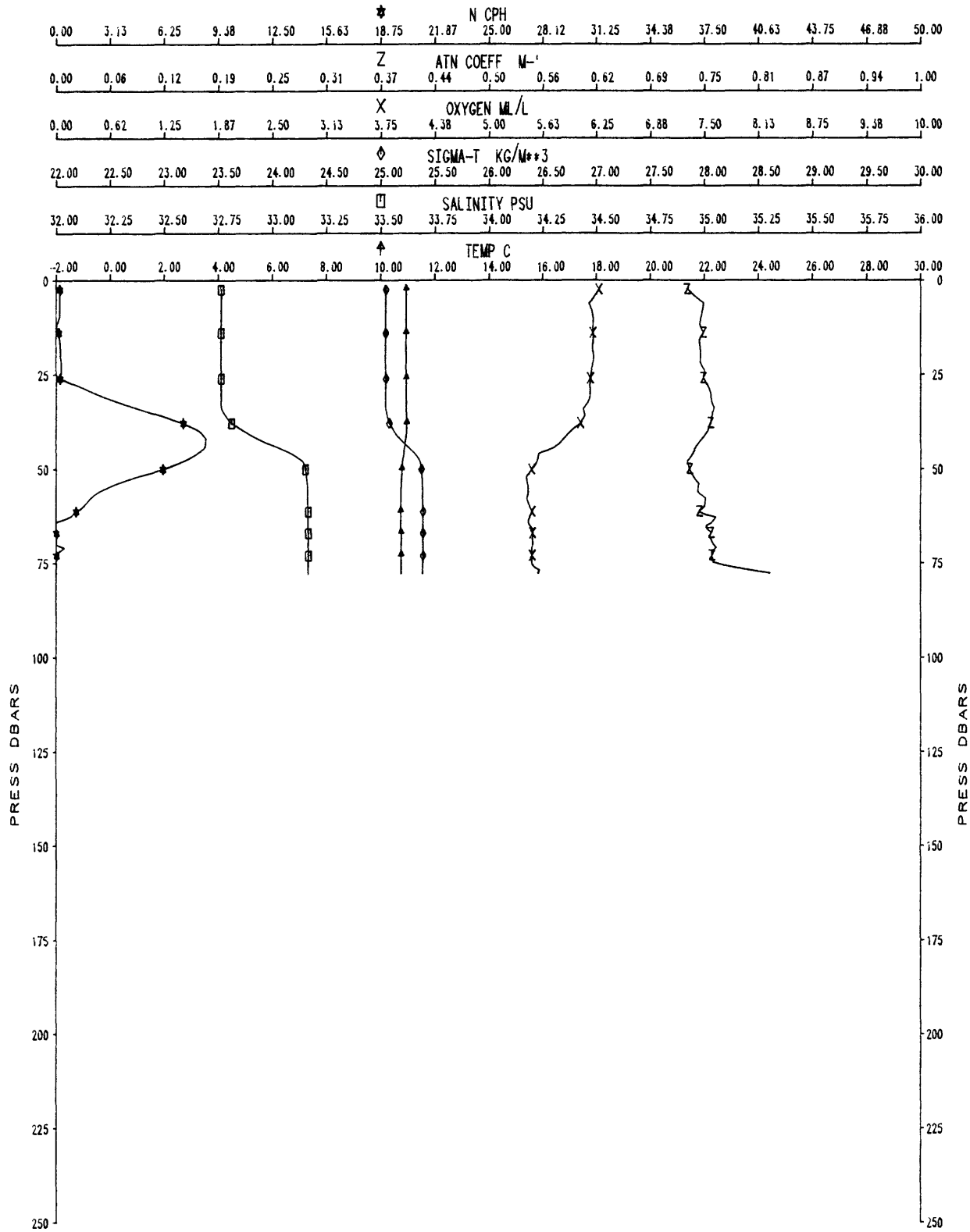


OC130A CAST #36

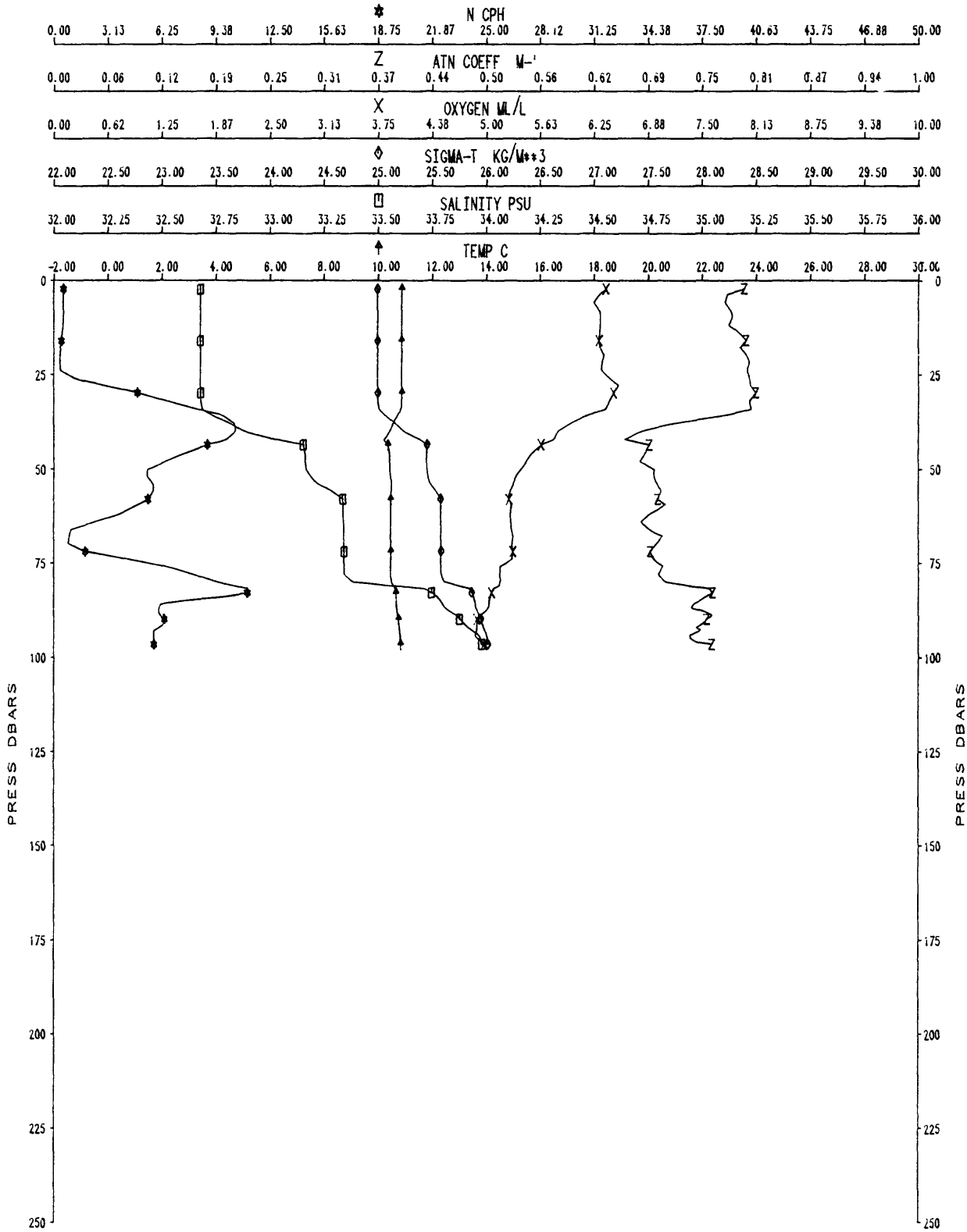



OC130 XBT-37
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

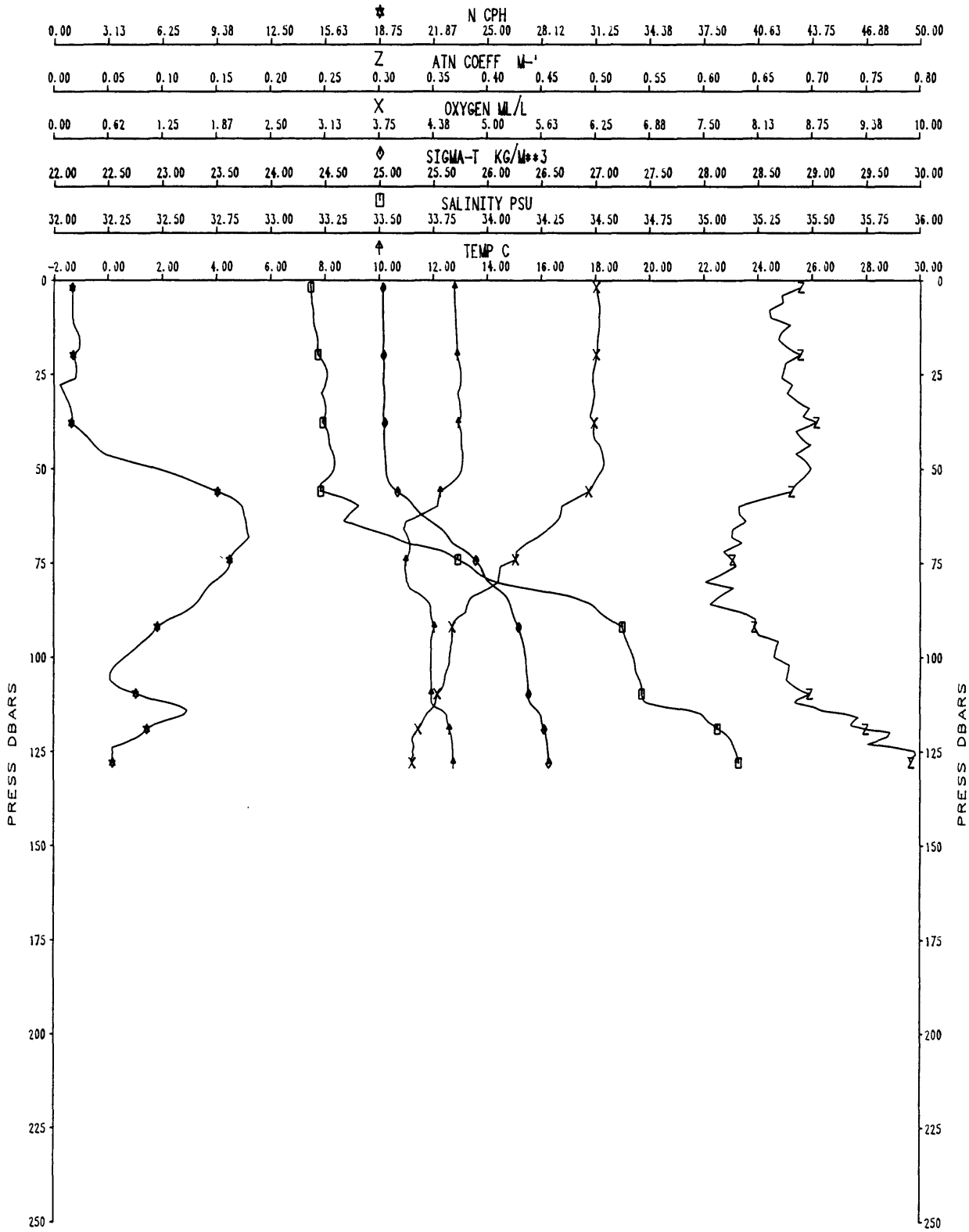
OC130A CAST #38



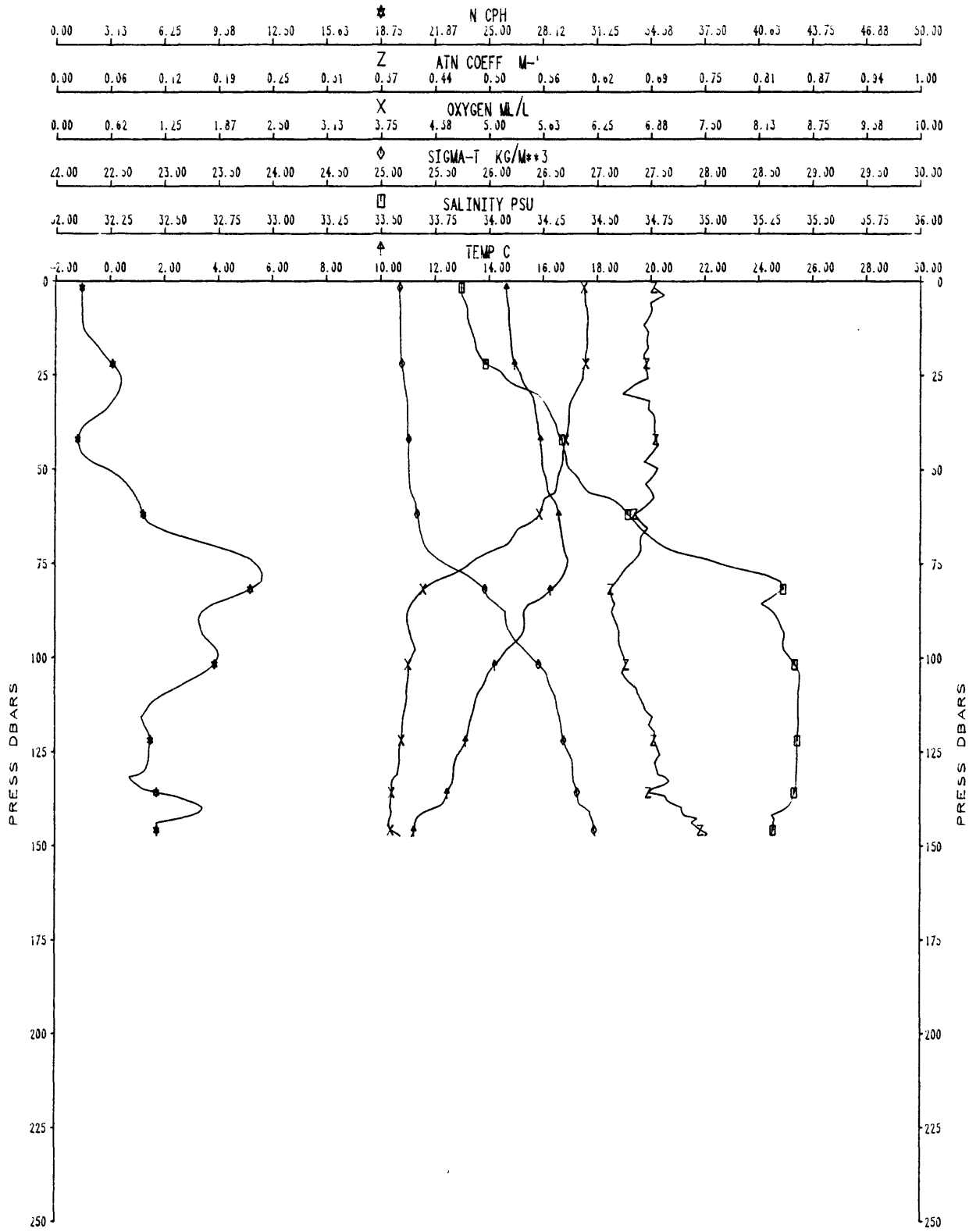
OC130A CAST #39



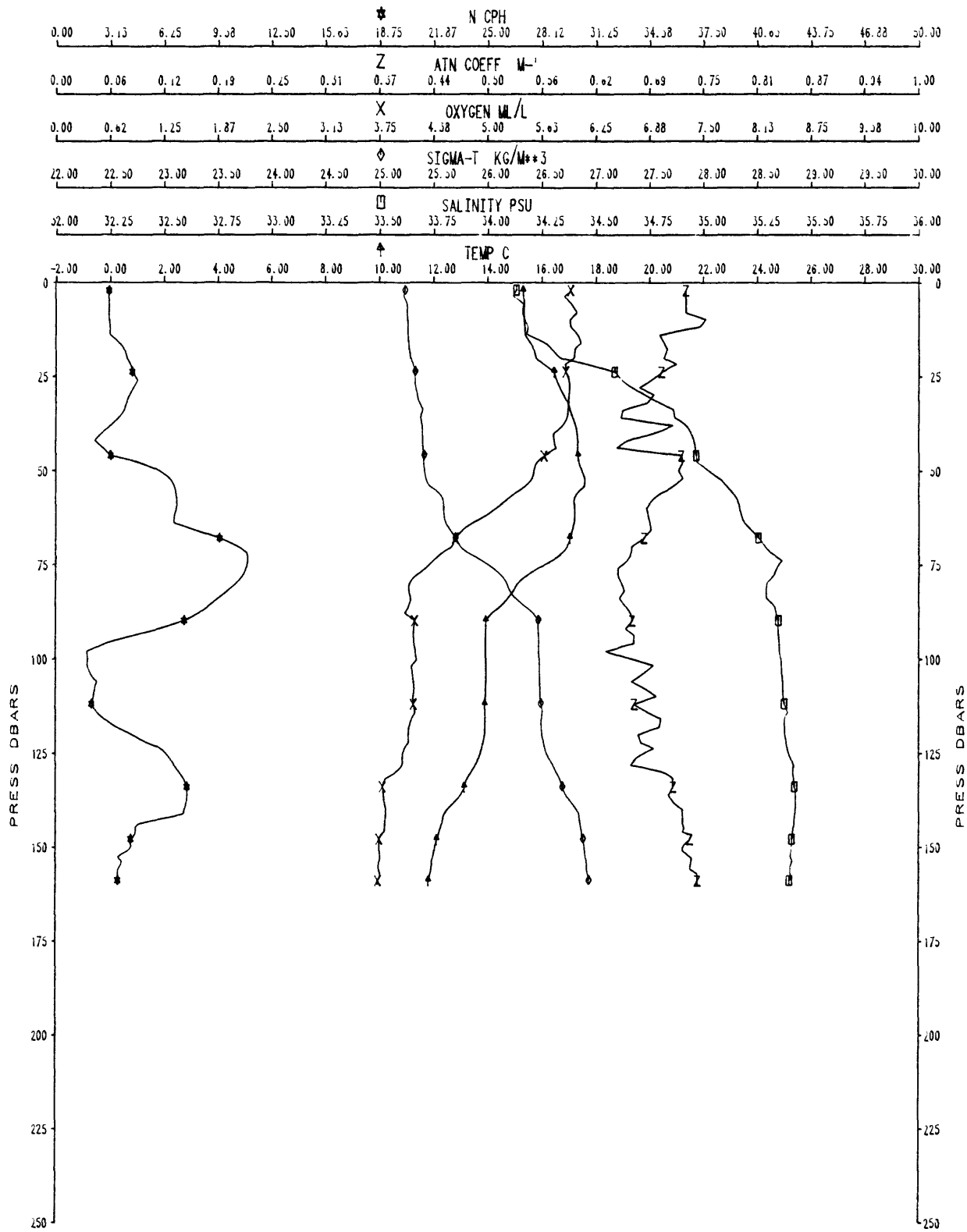
OC130U CAST #40



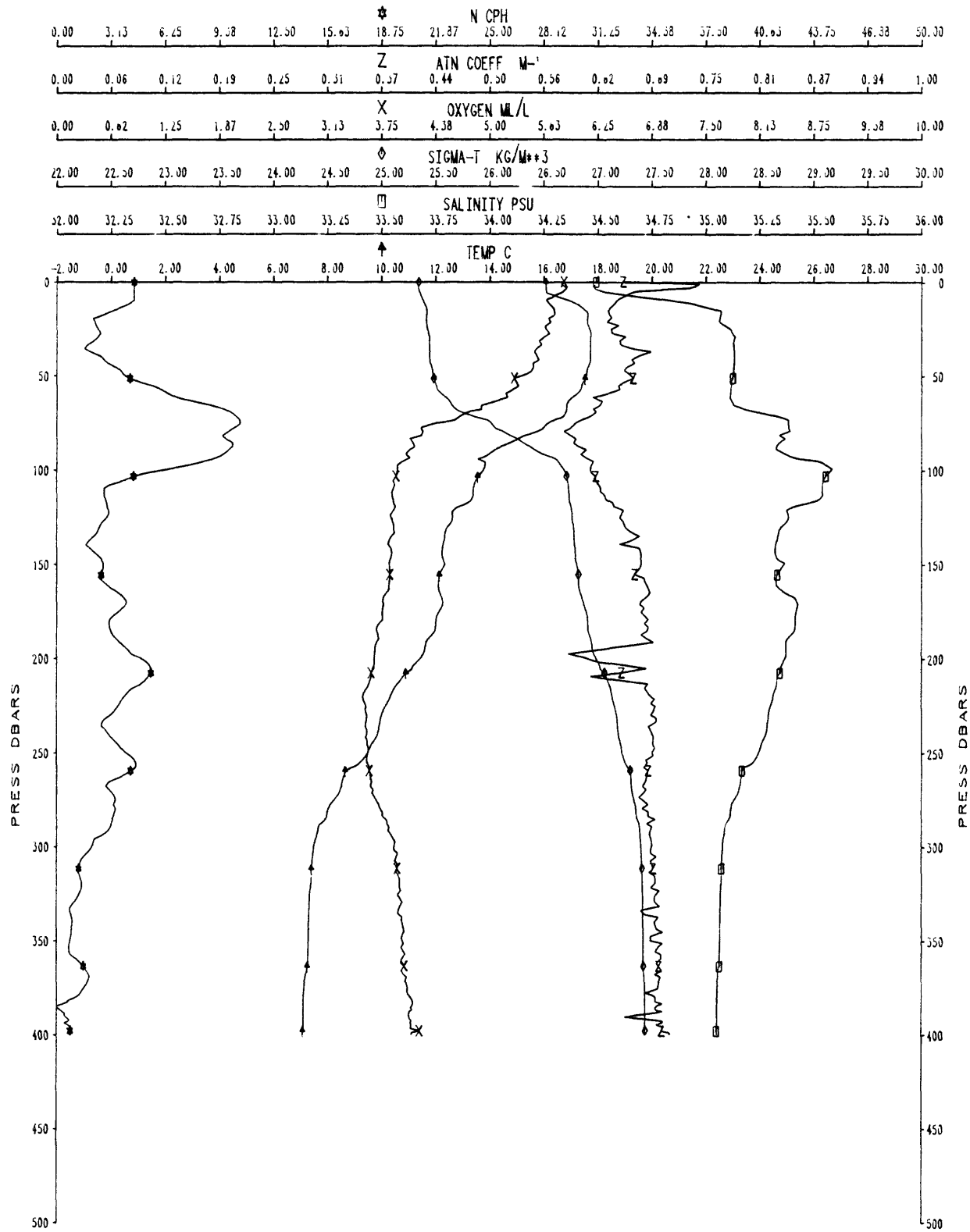
OC130A CAST #41

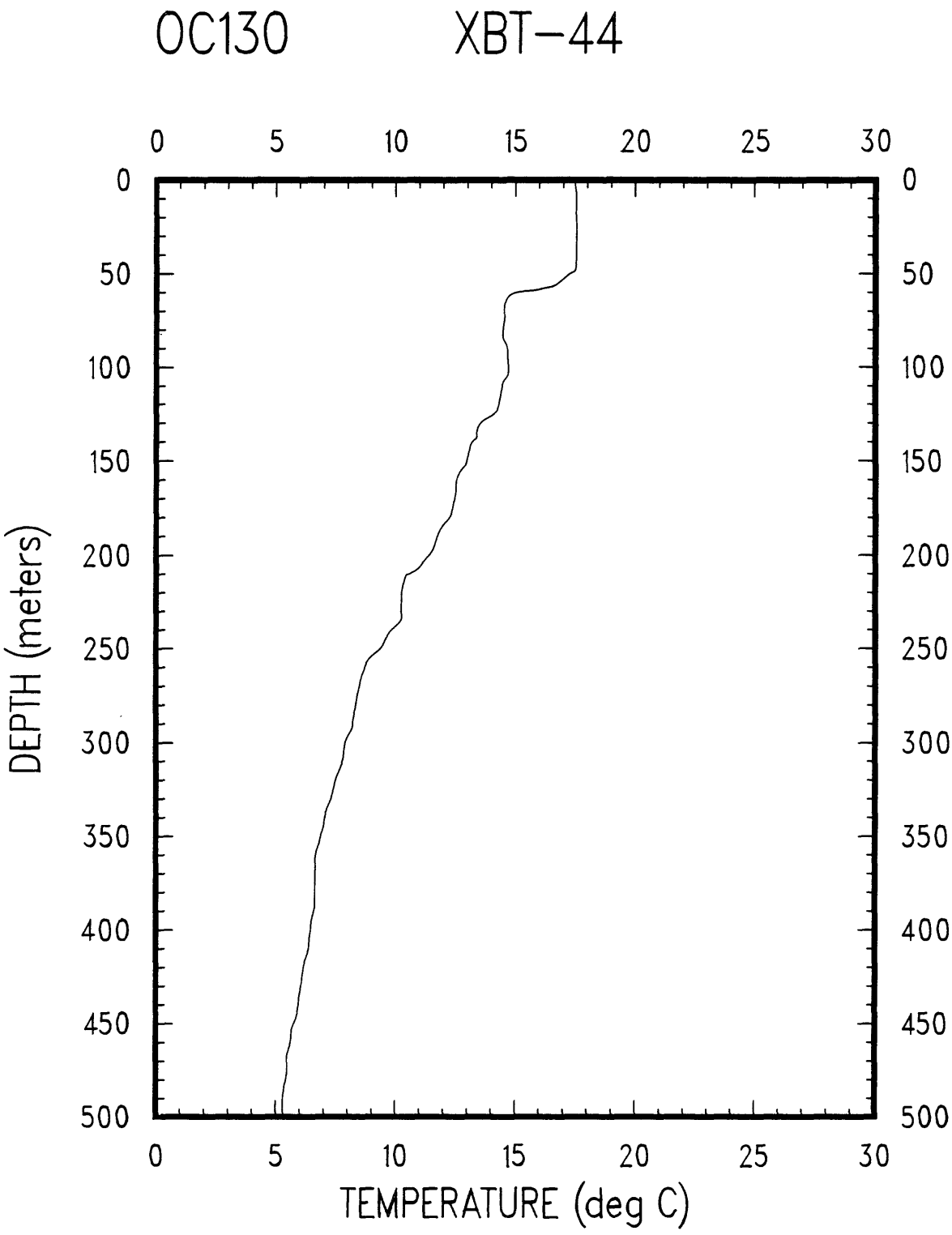


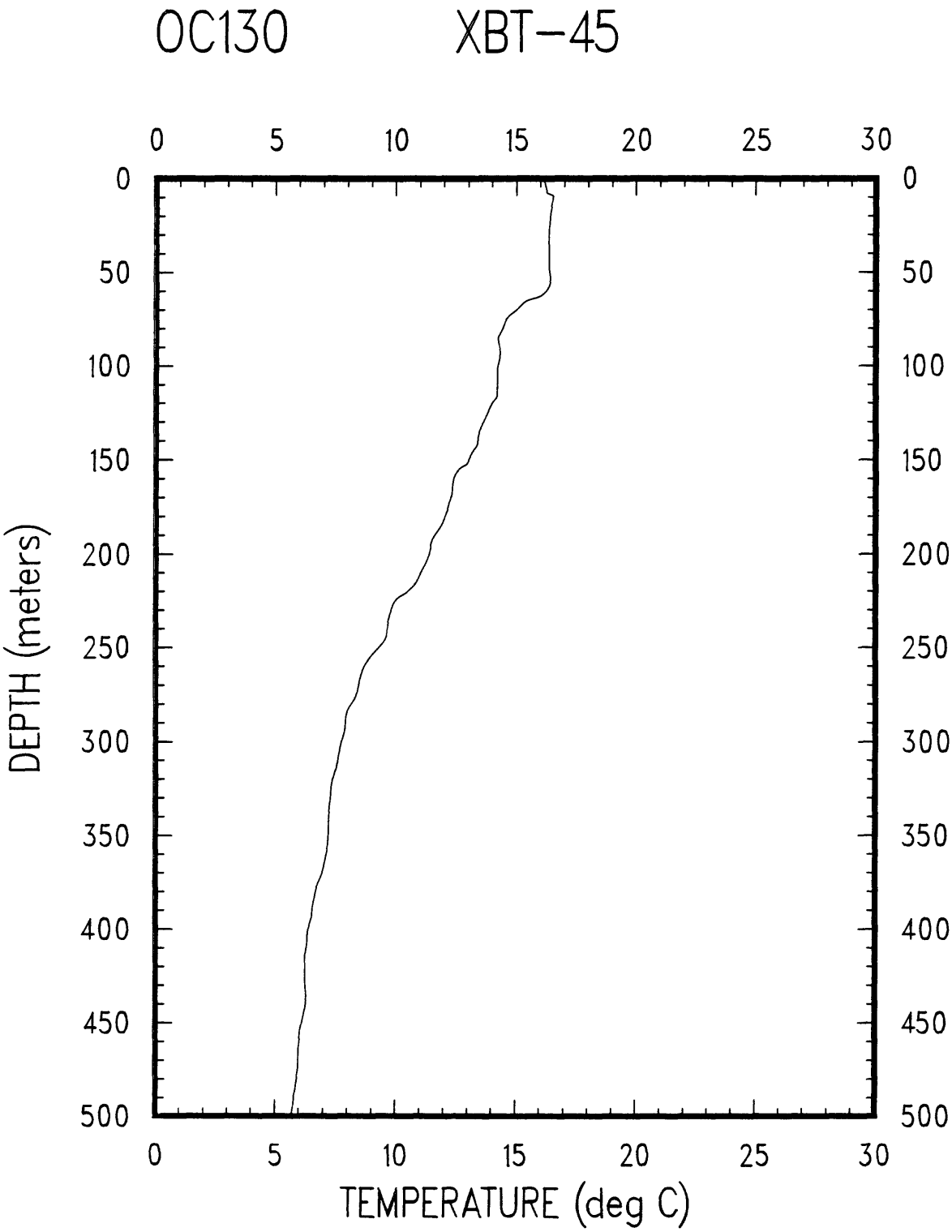
OC130A CAST #42

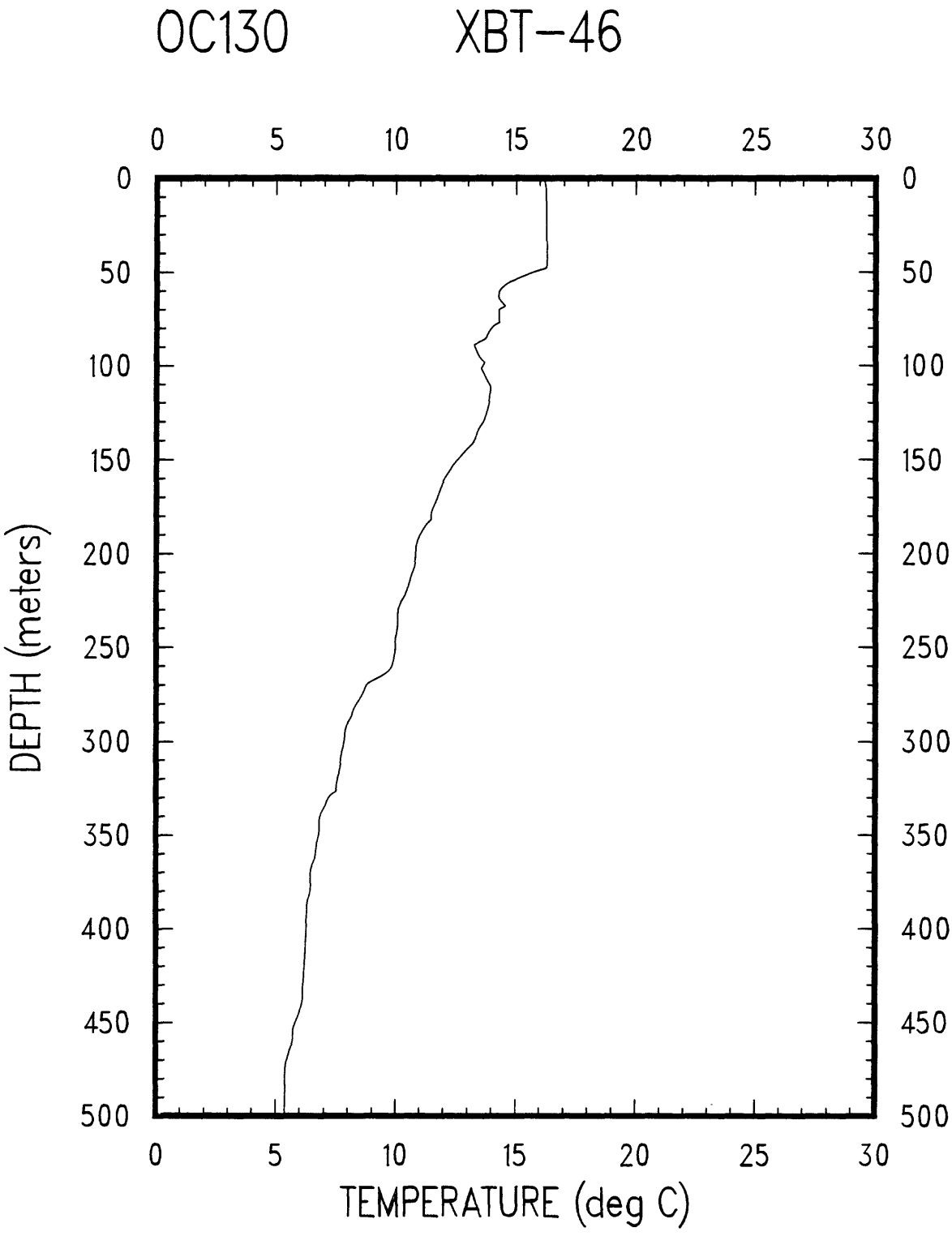


OC130A CAST #43

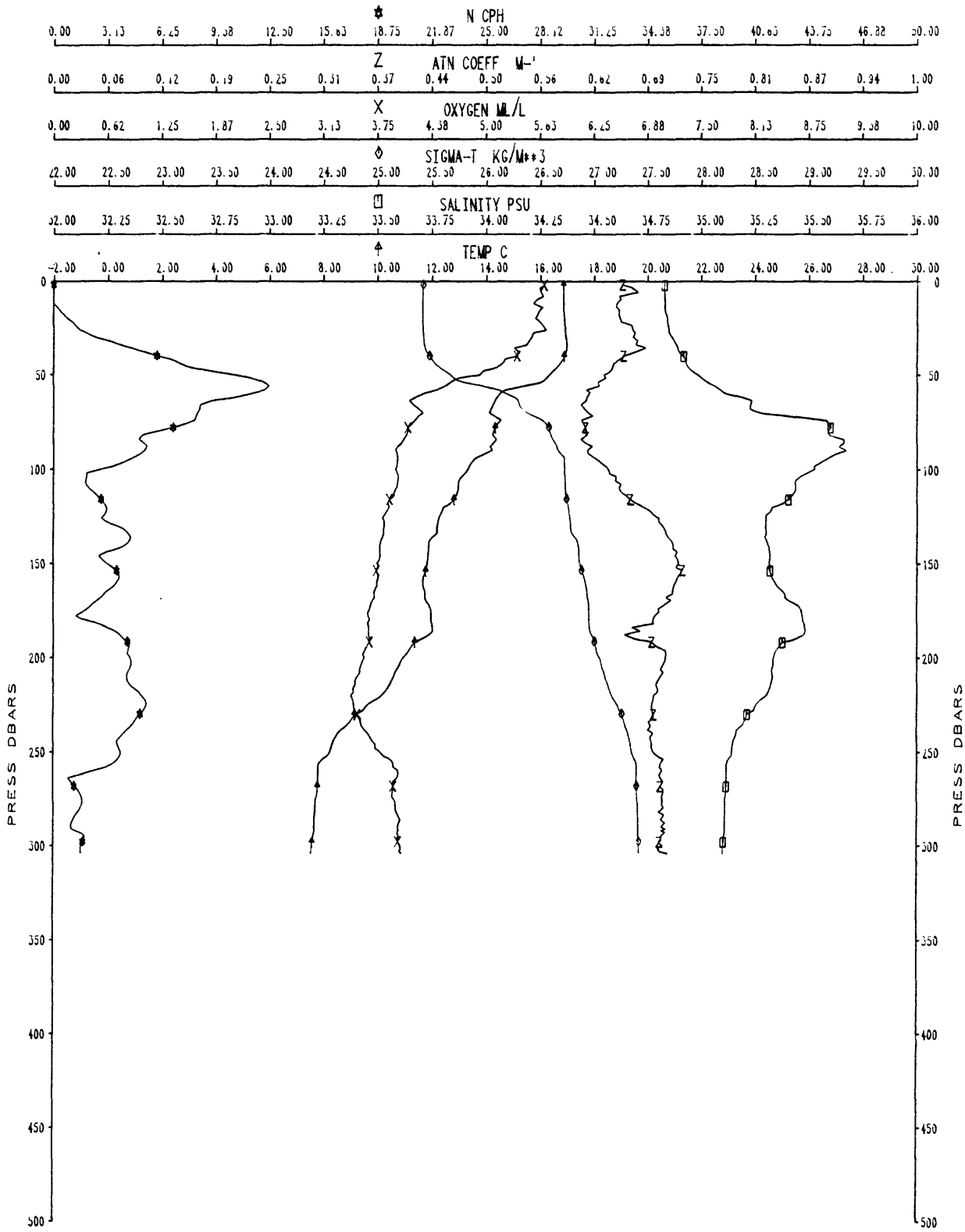



OC130
XBT-44
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

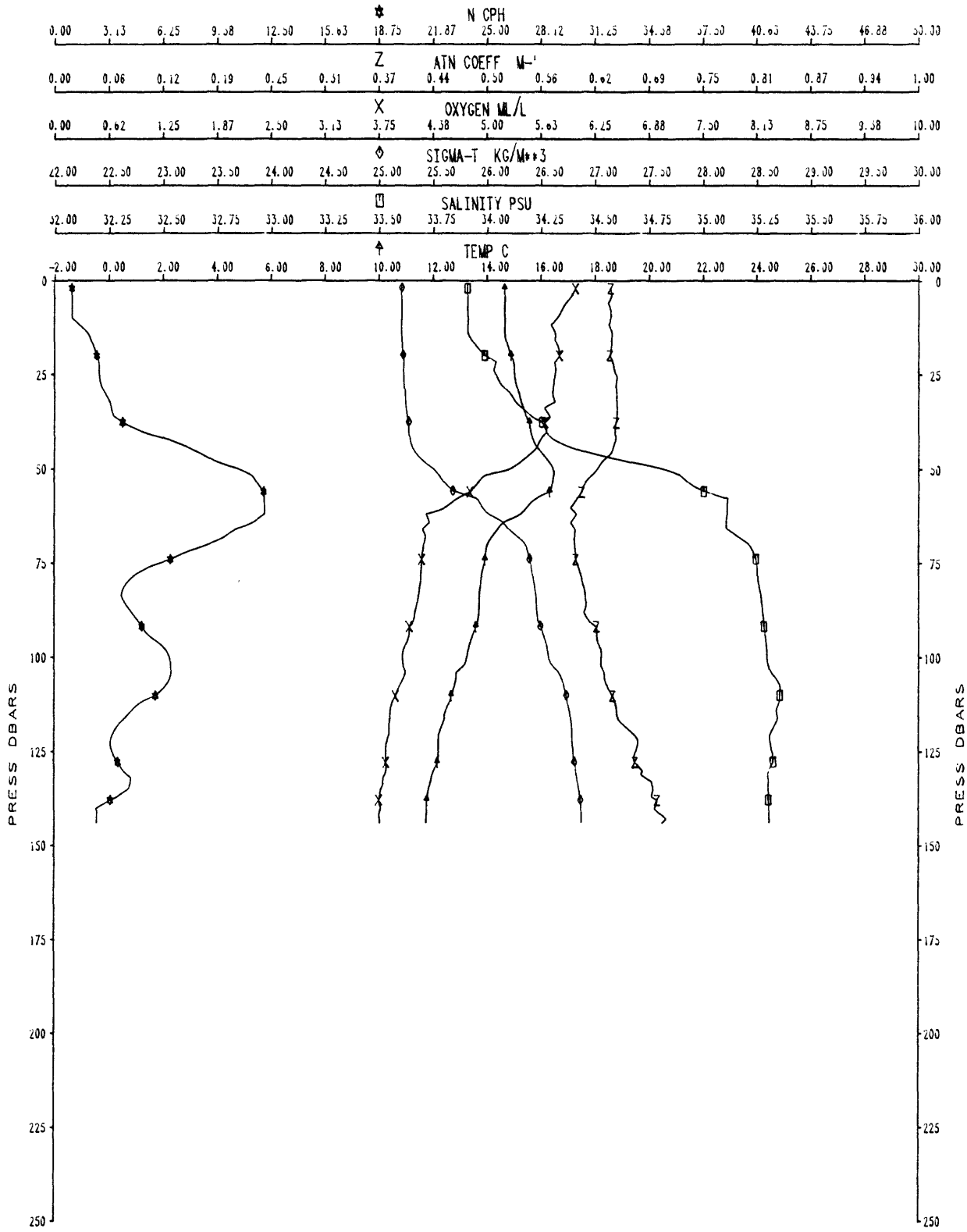

OC130
XBT-45
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-46
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

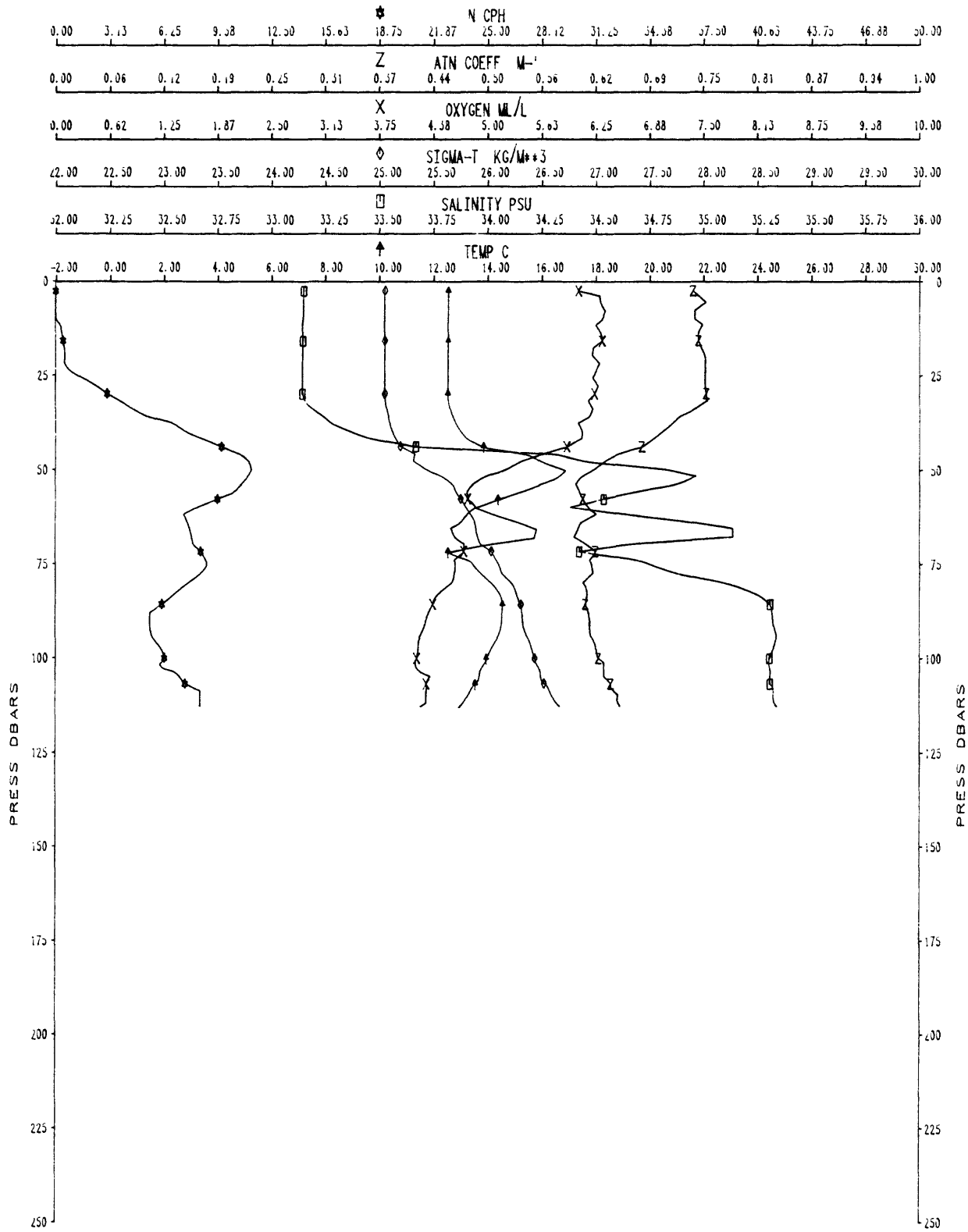
OC130A CAST #47



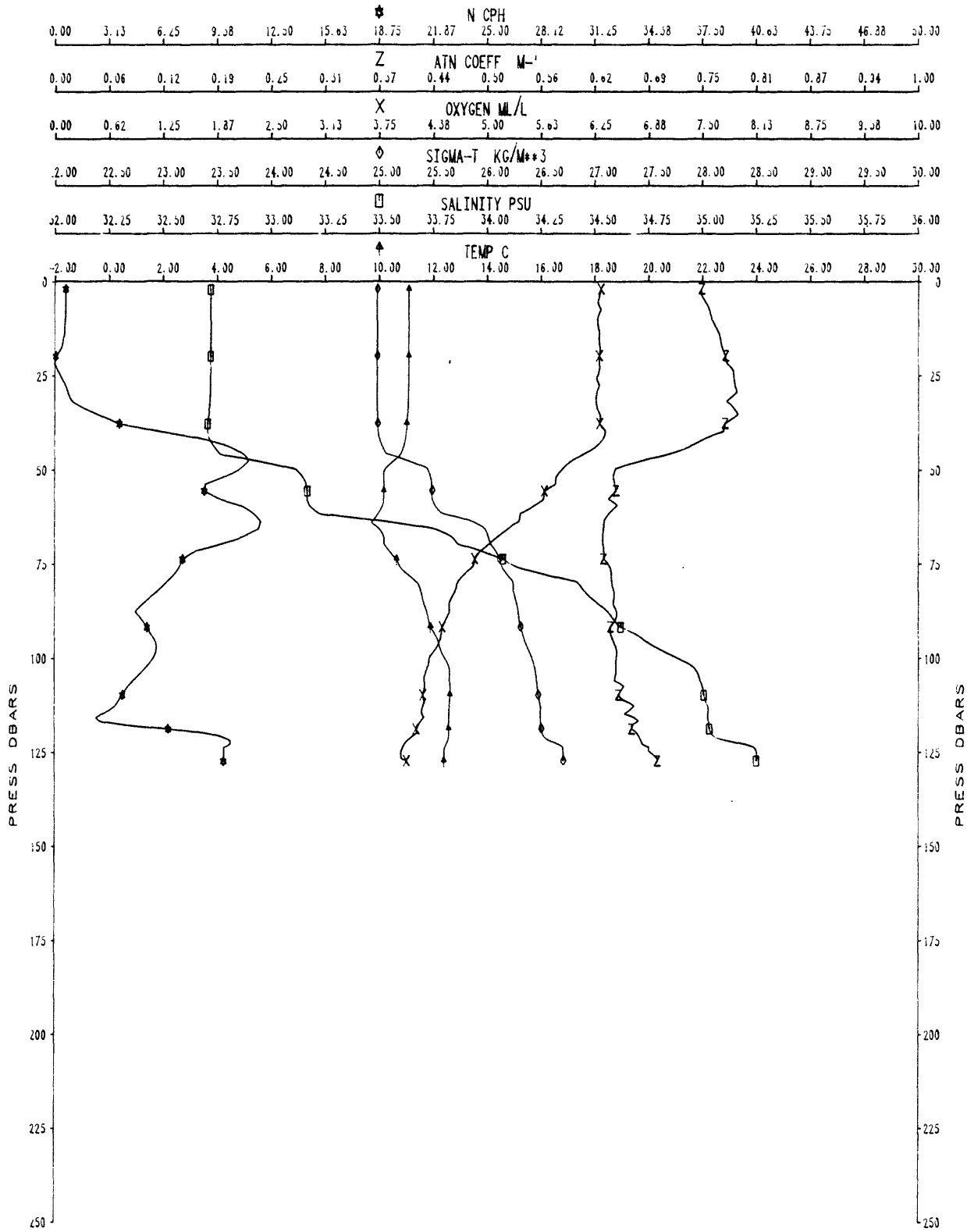
OC130A CAST #48



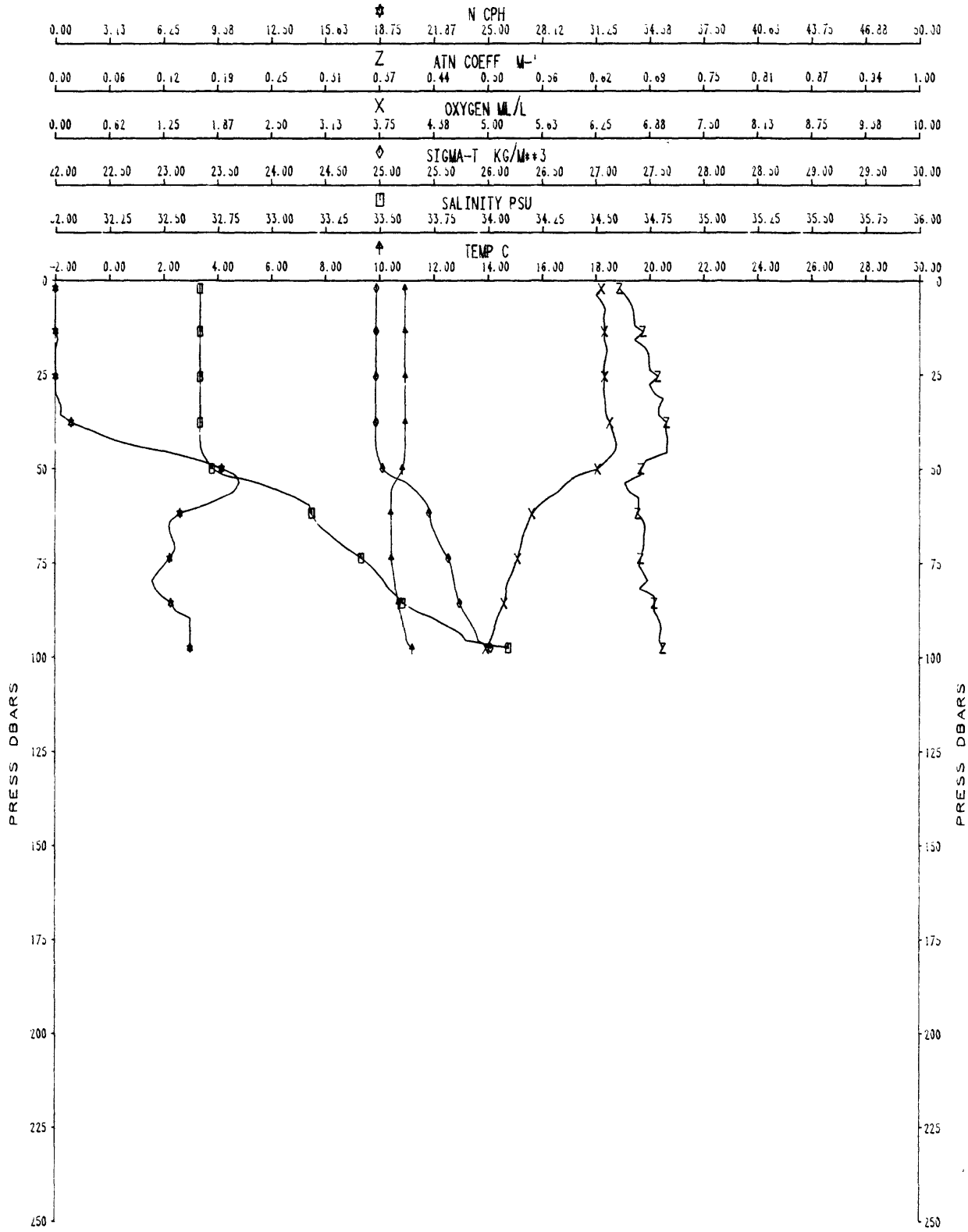
OC130A CAST #49



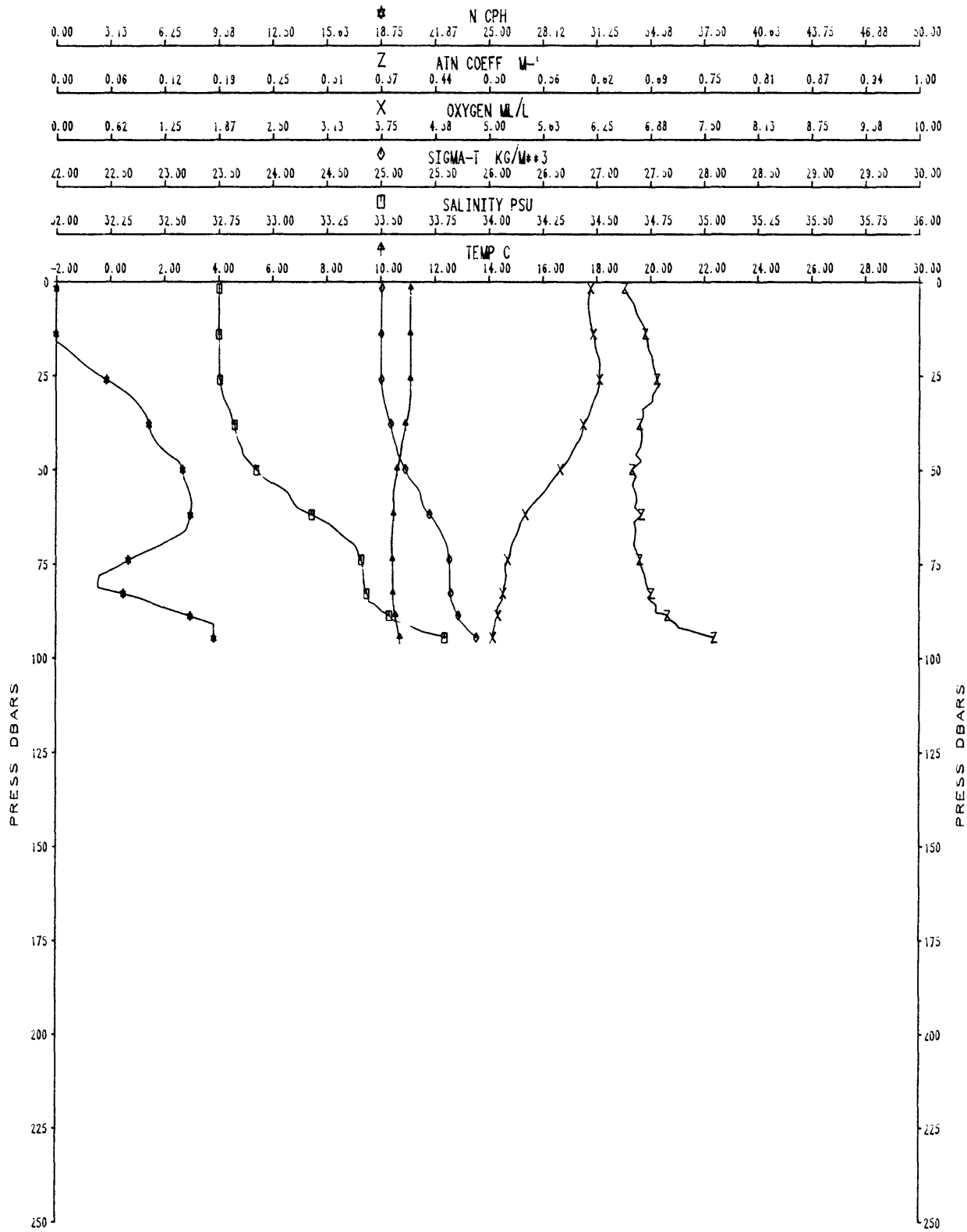
OC130U CAST #50



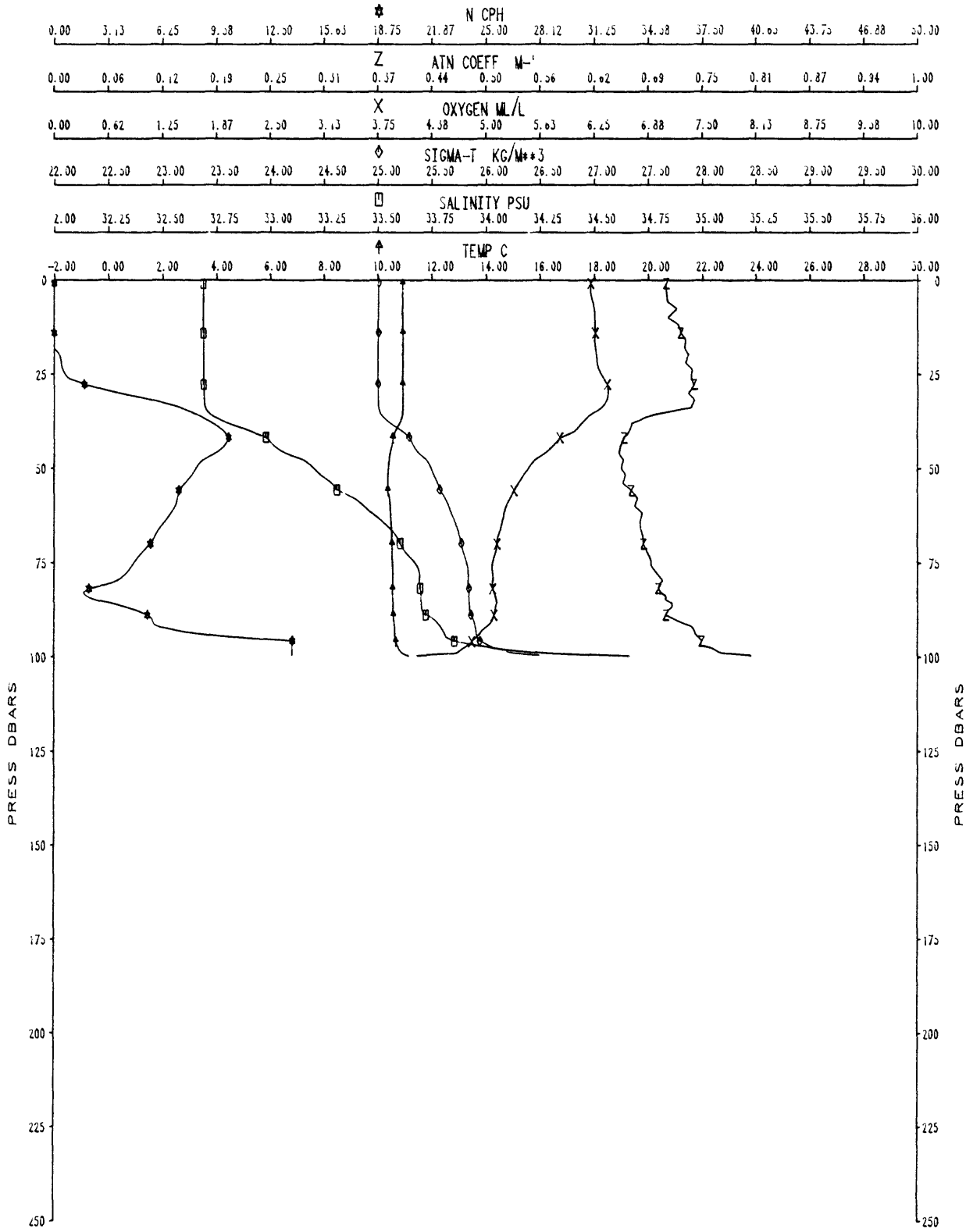
OC130U CAST #51

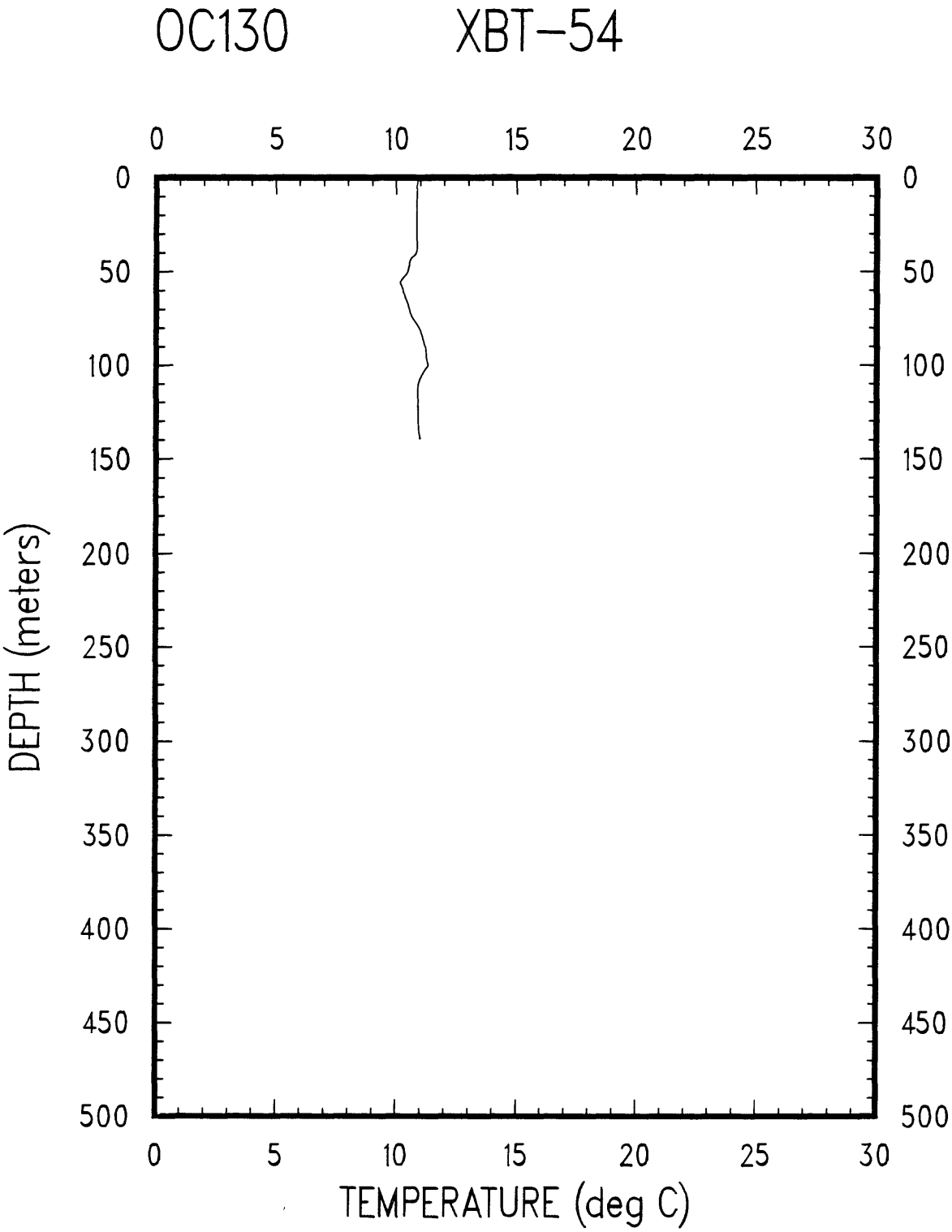


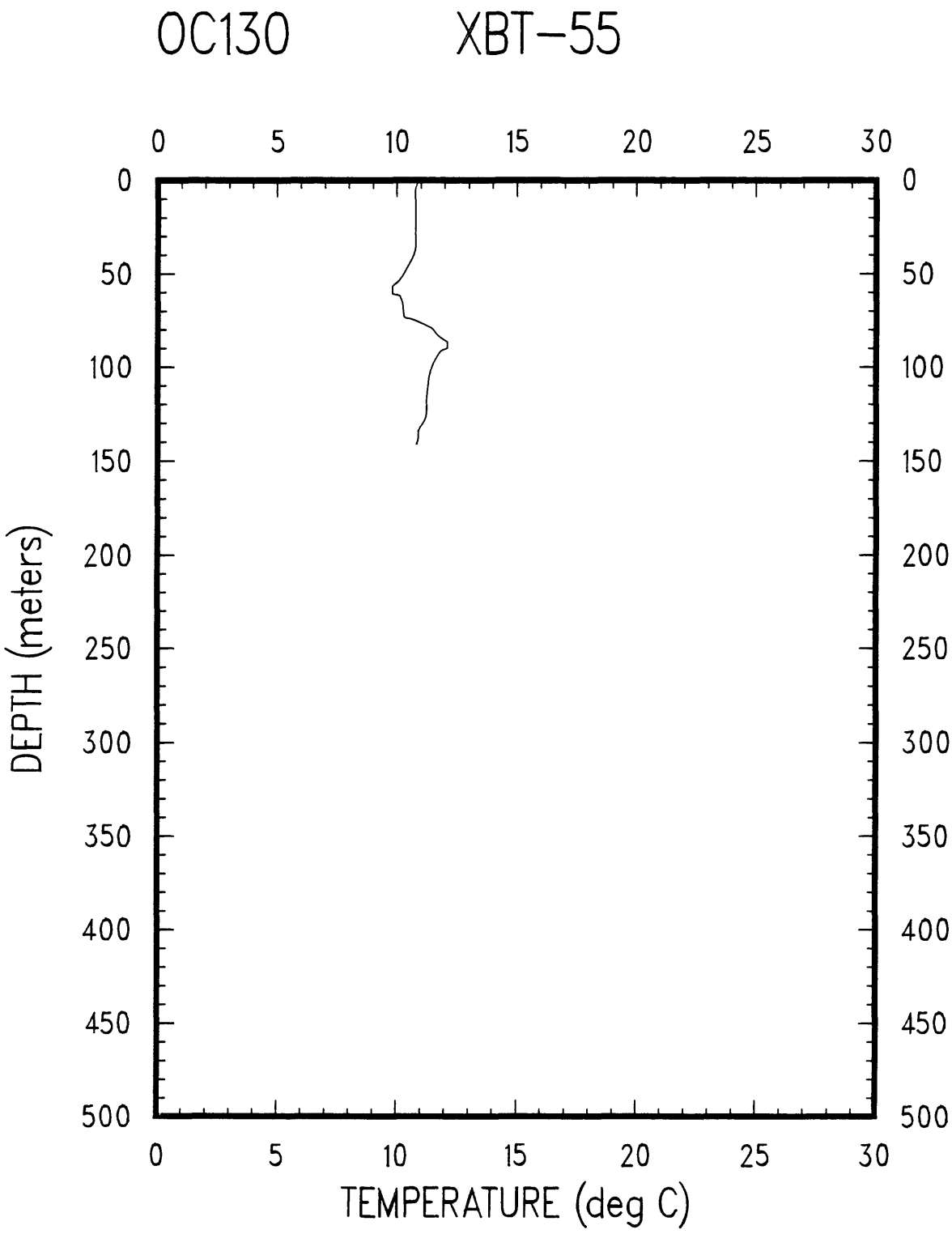
OC130U CAST #52



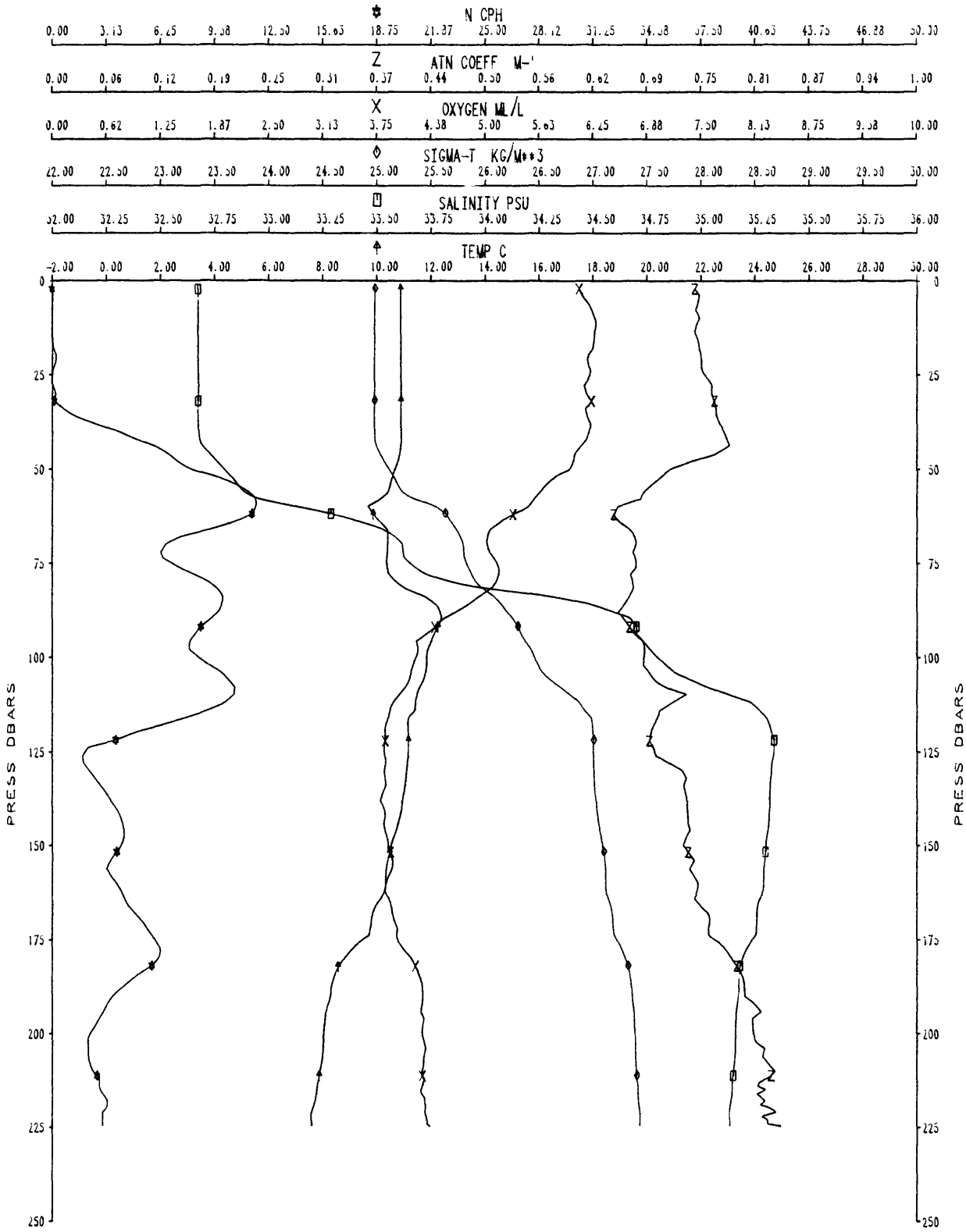
OC130U CAST #53

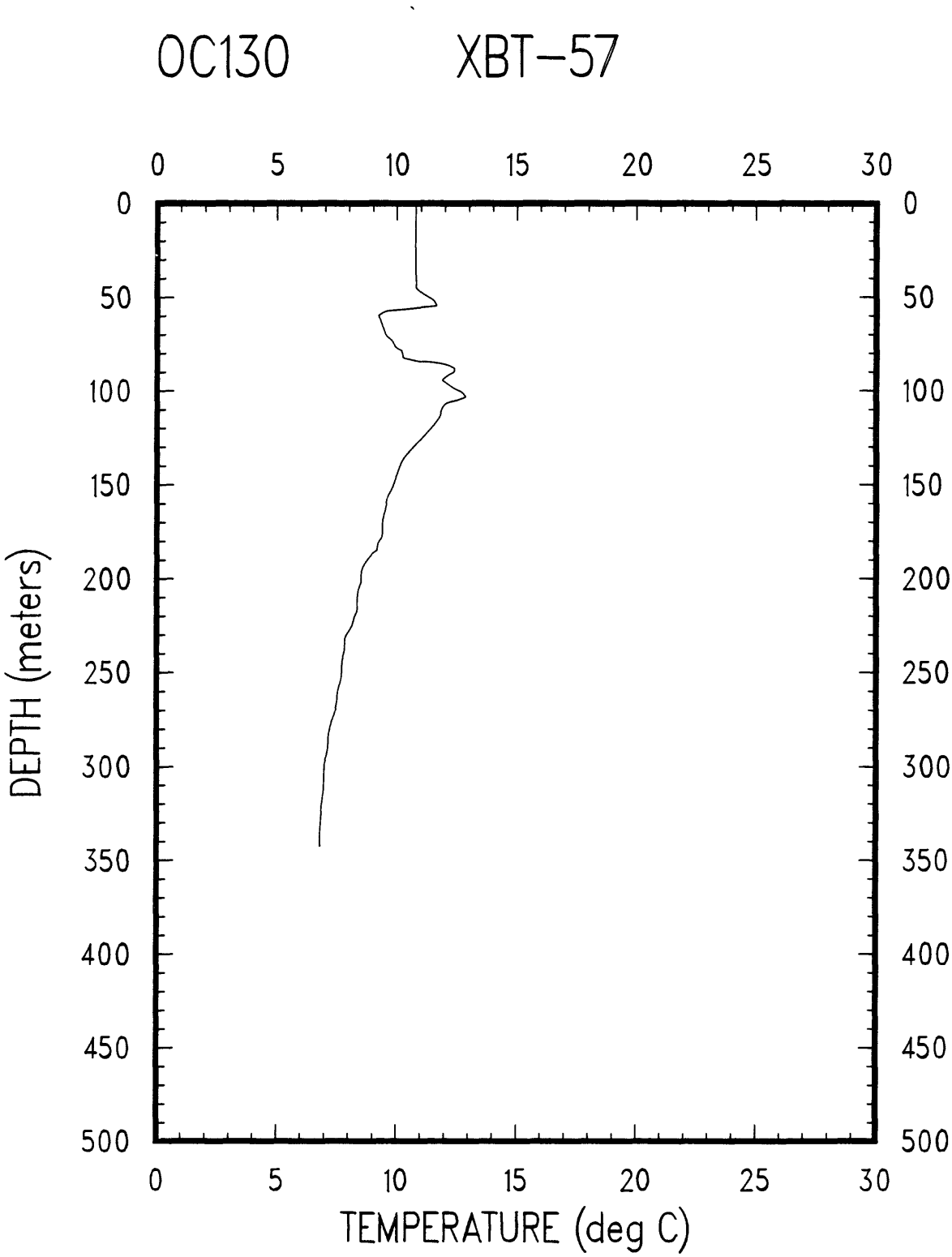


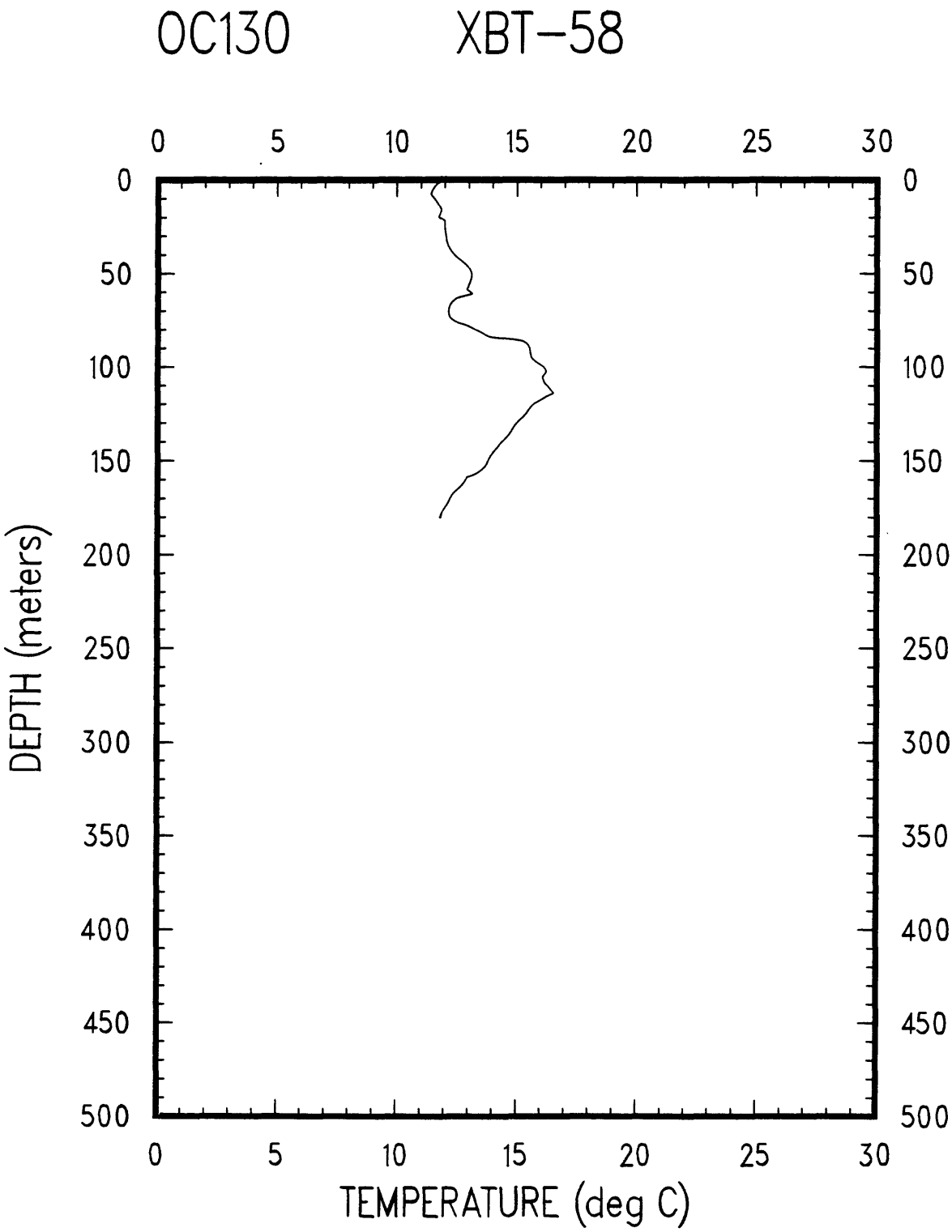

OC130
XBT-54
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-55
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

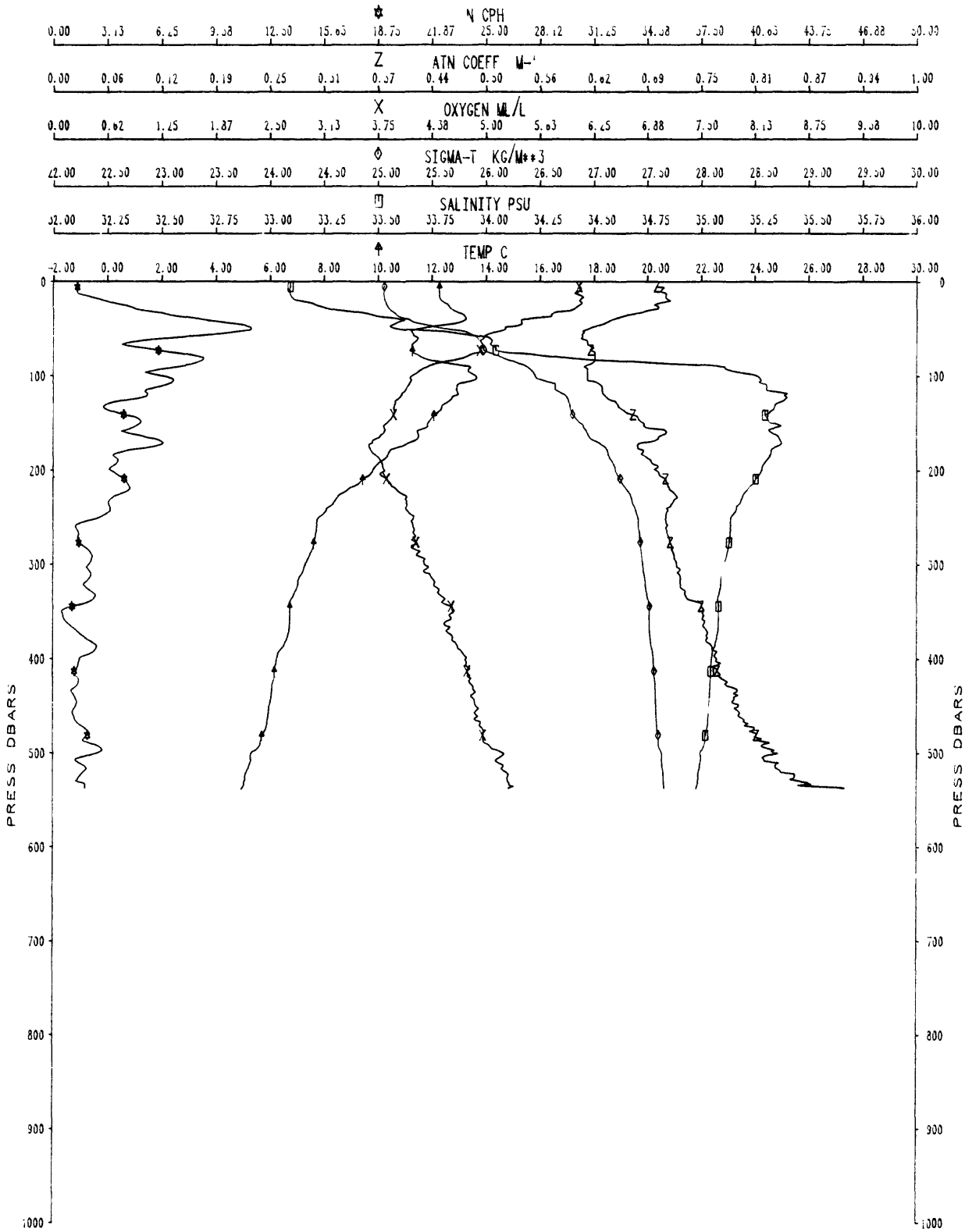
OC130A CAST #56



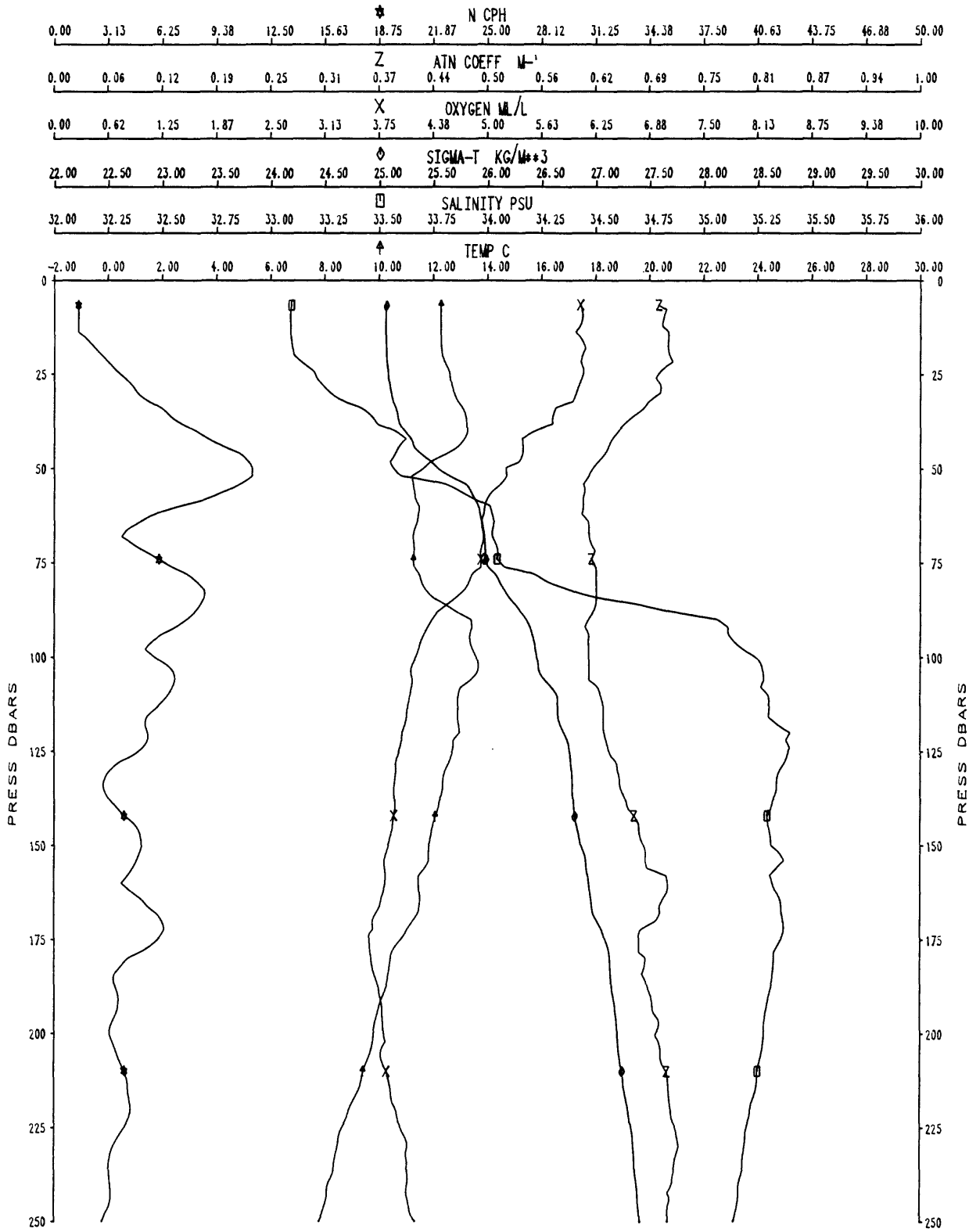

OC130
XBT-57
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-58
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

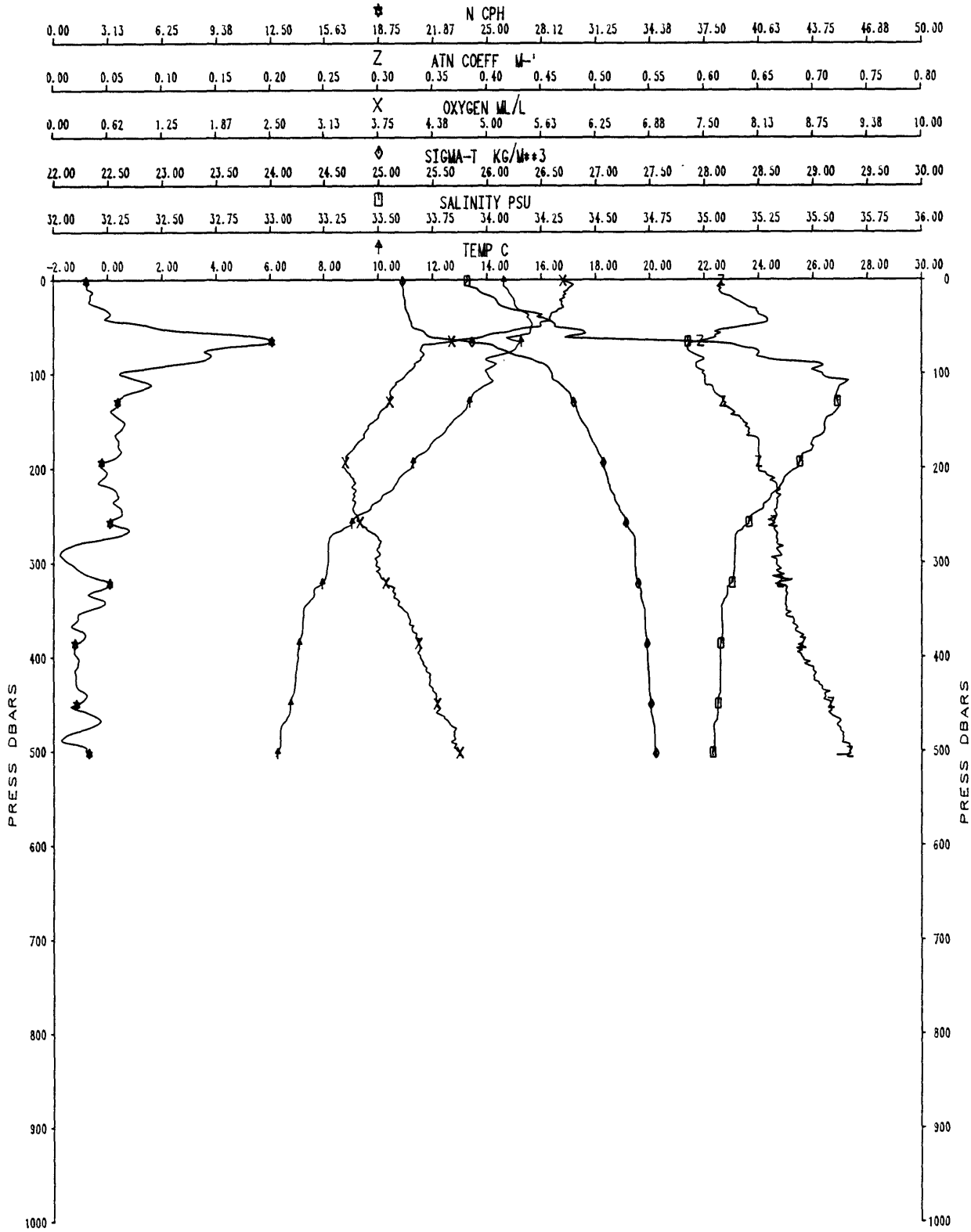
OC130A CAST #59



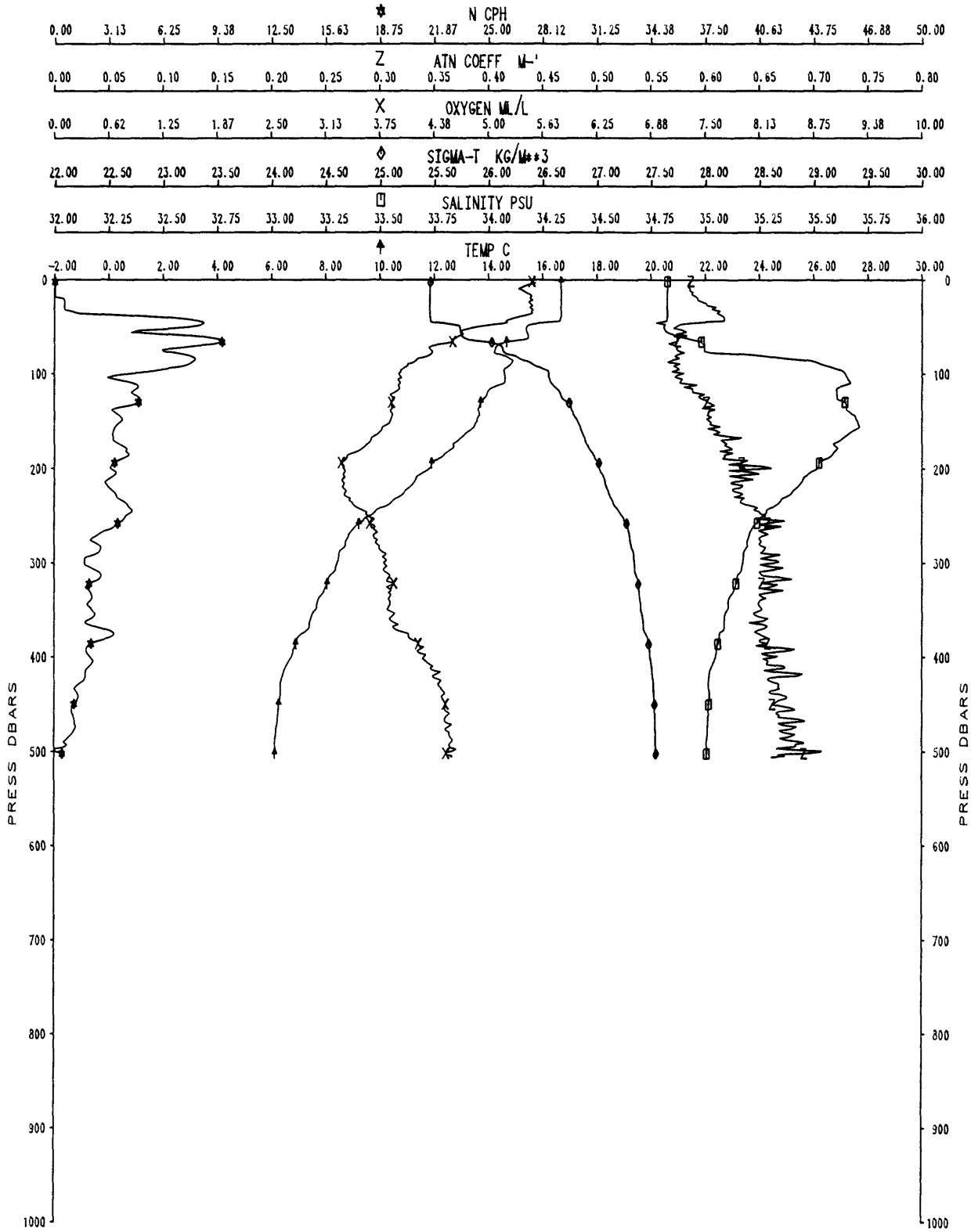
OC130A CAST #59

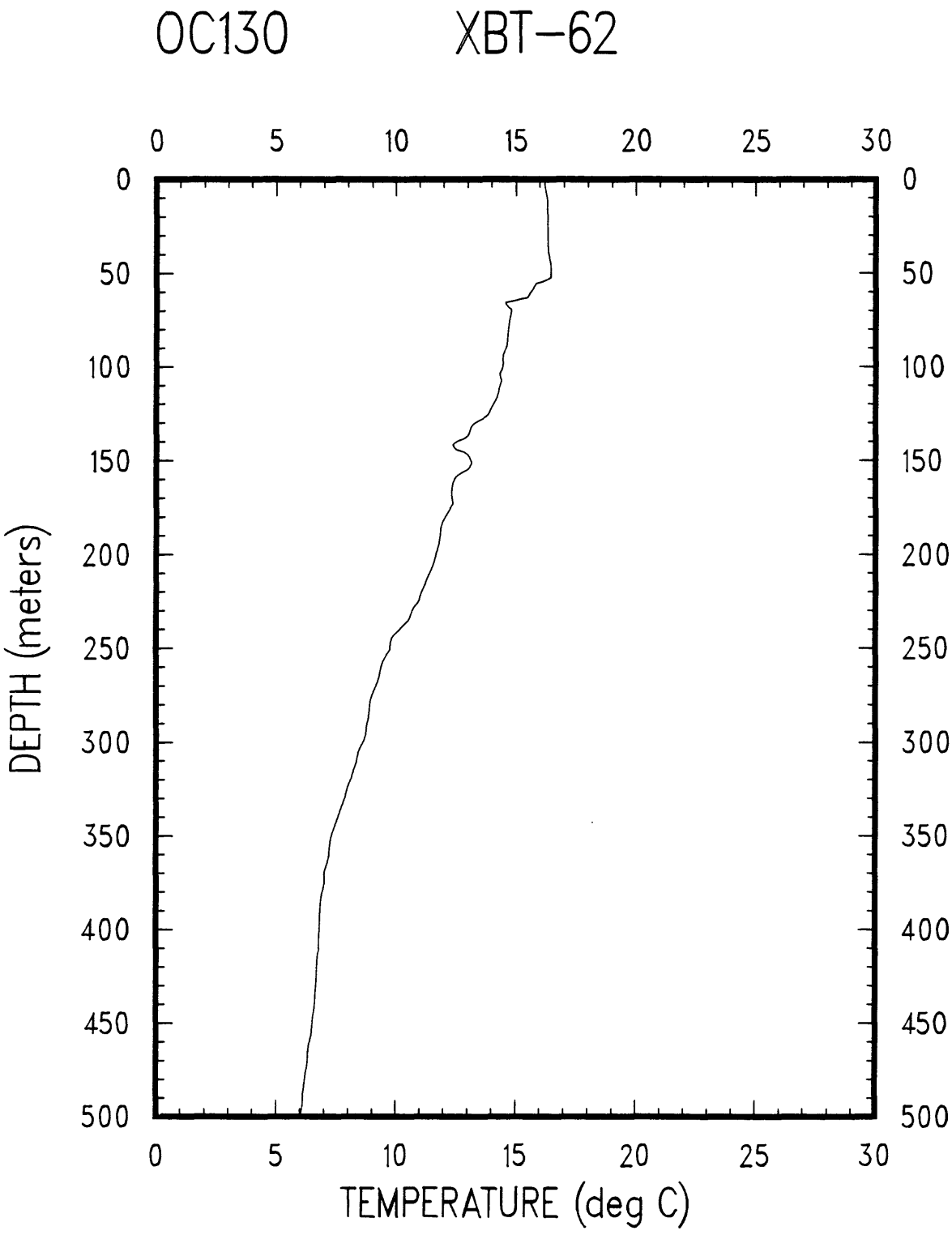


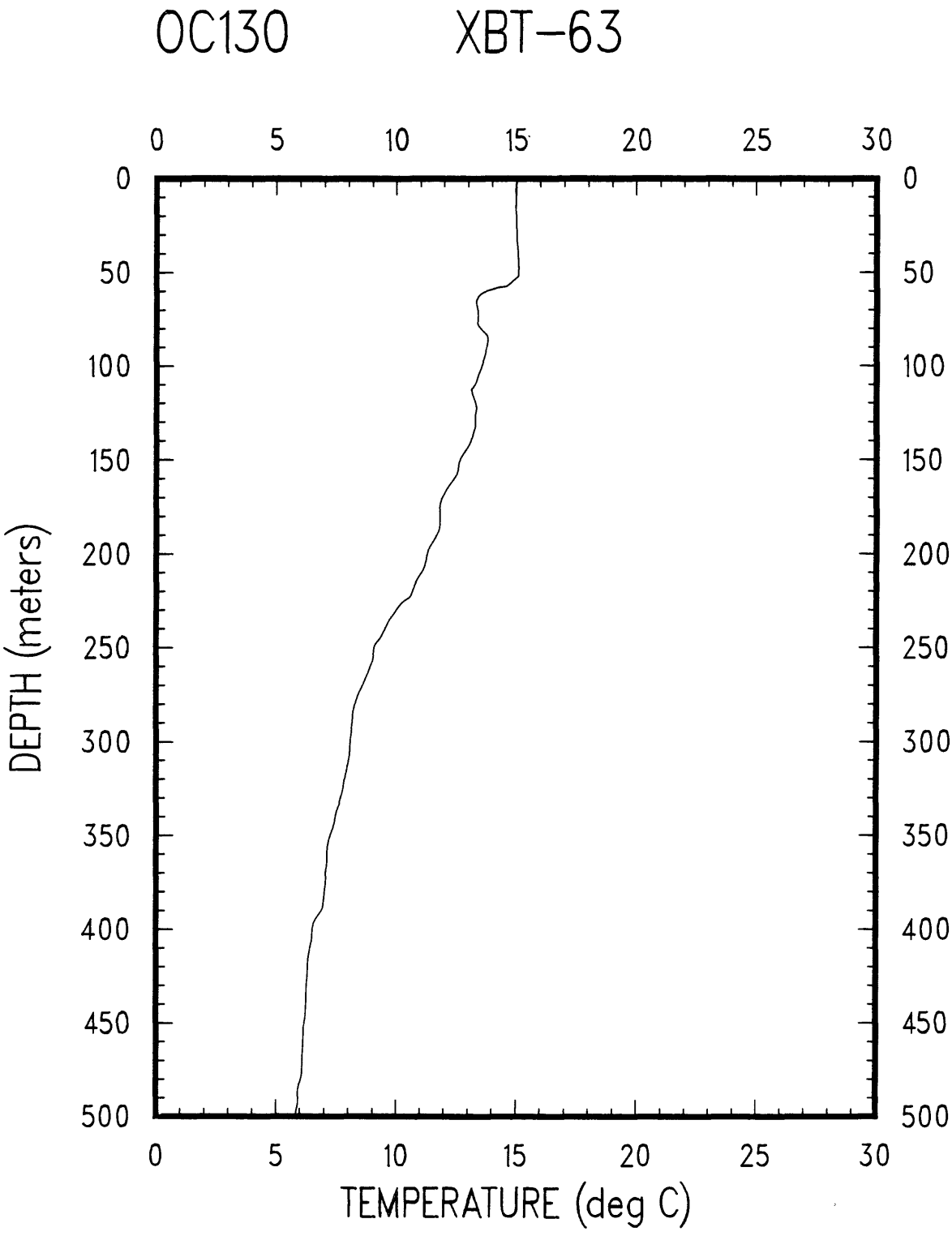
OC130A CAST #60



OC130A CAST #61




OC130
XBT-62
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-63
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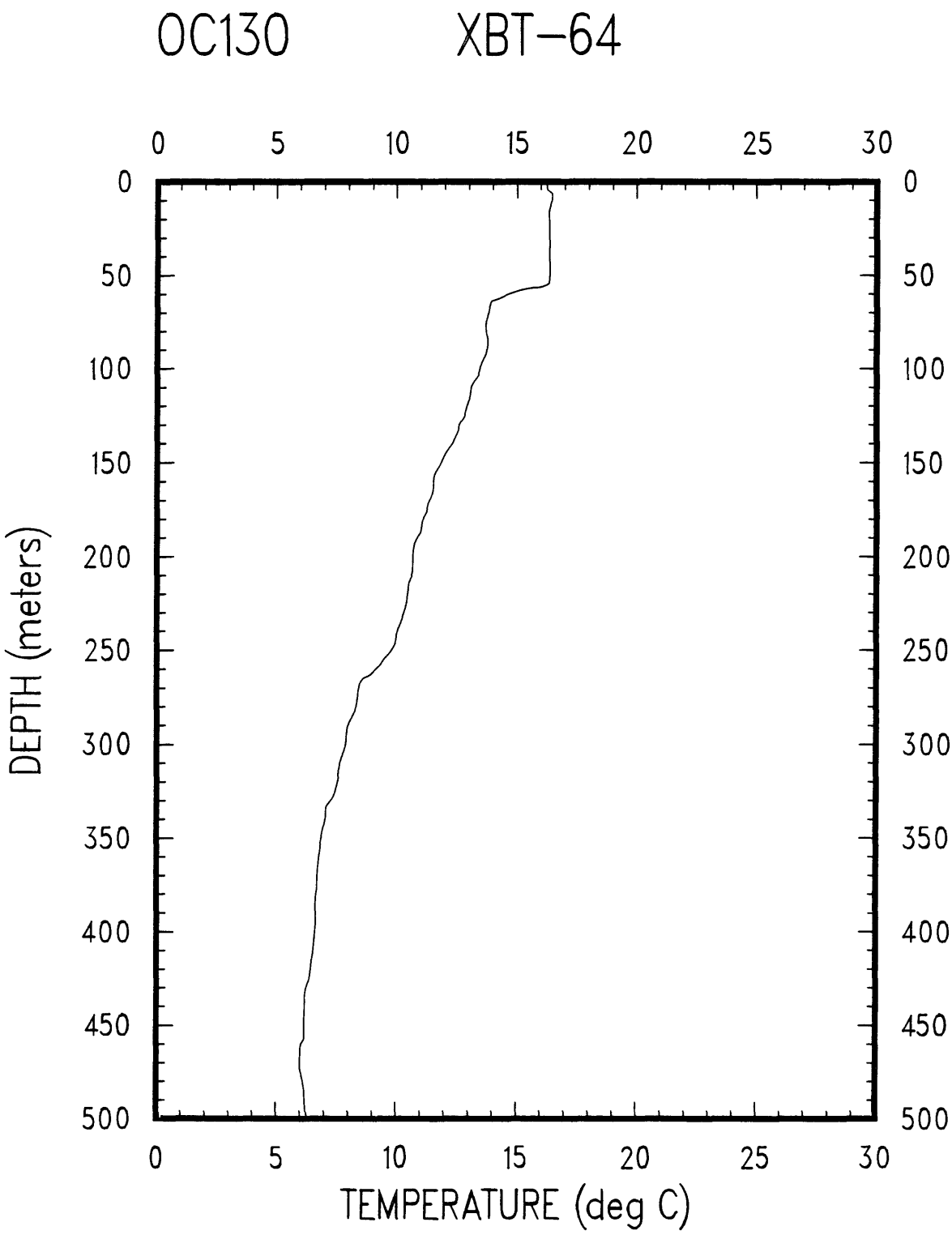
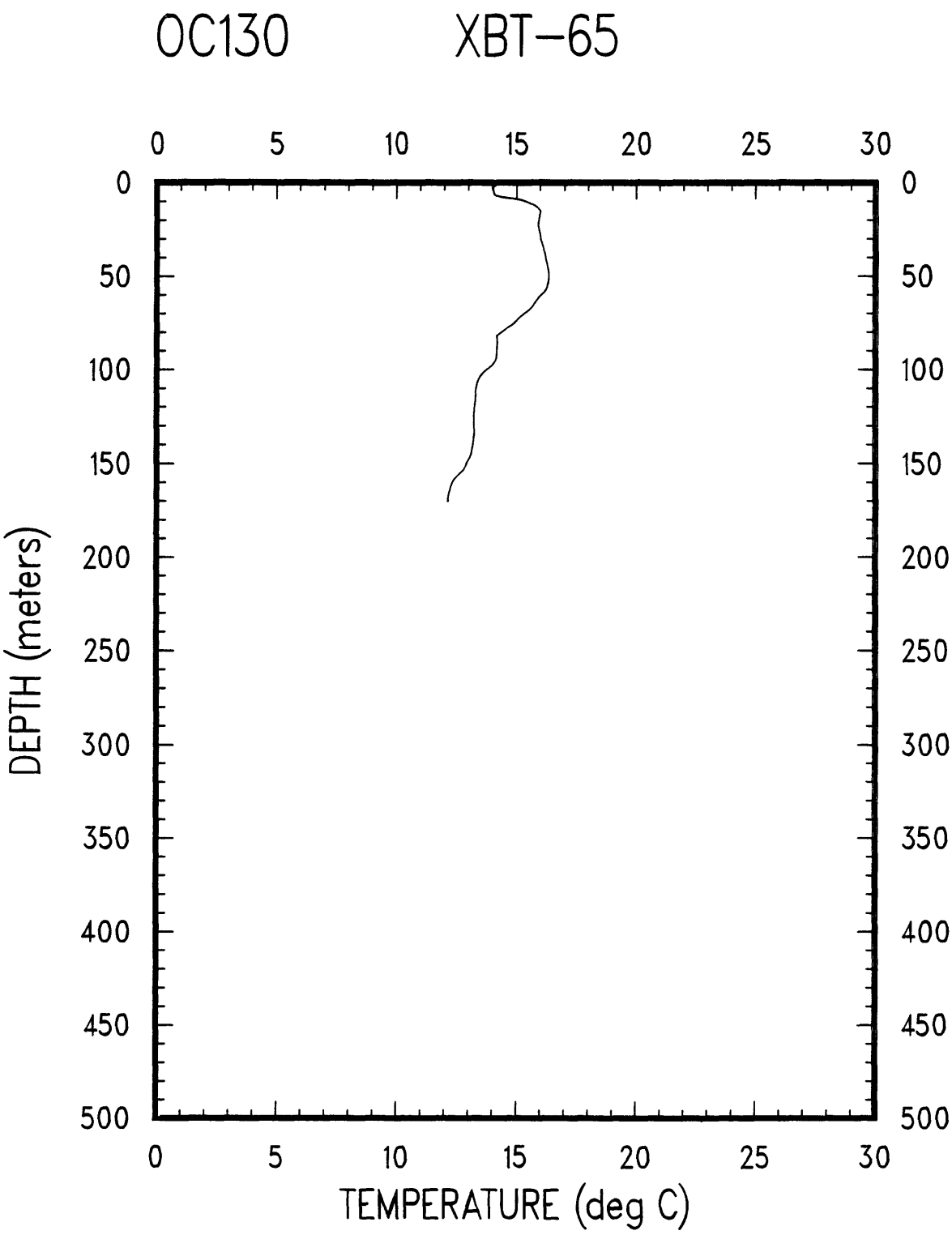
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130 XBT-64
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)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XBT-65
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100
150
200
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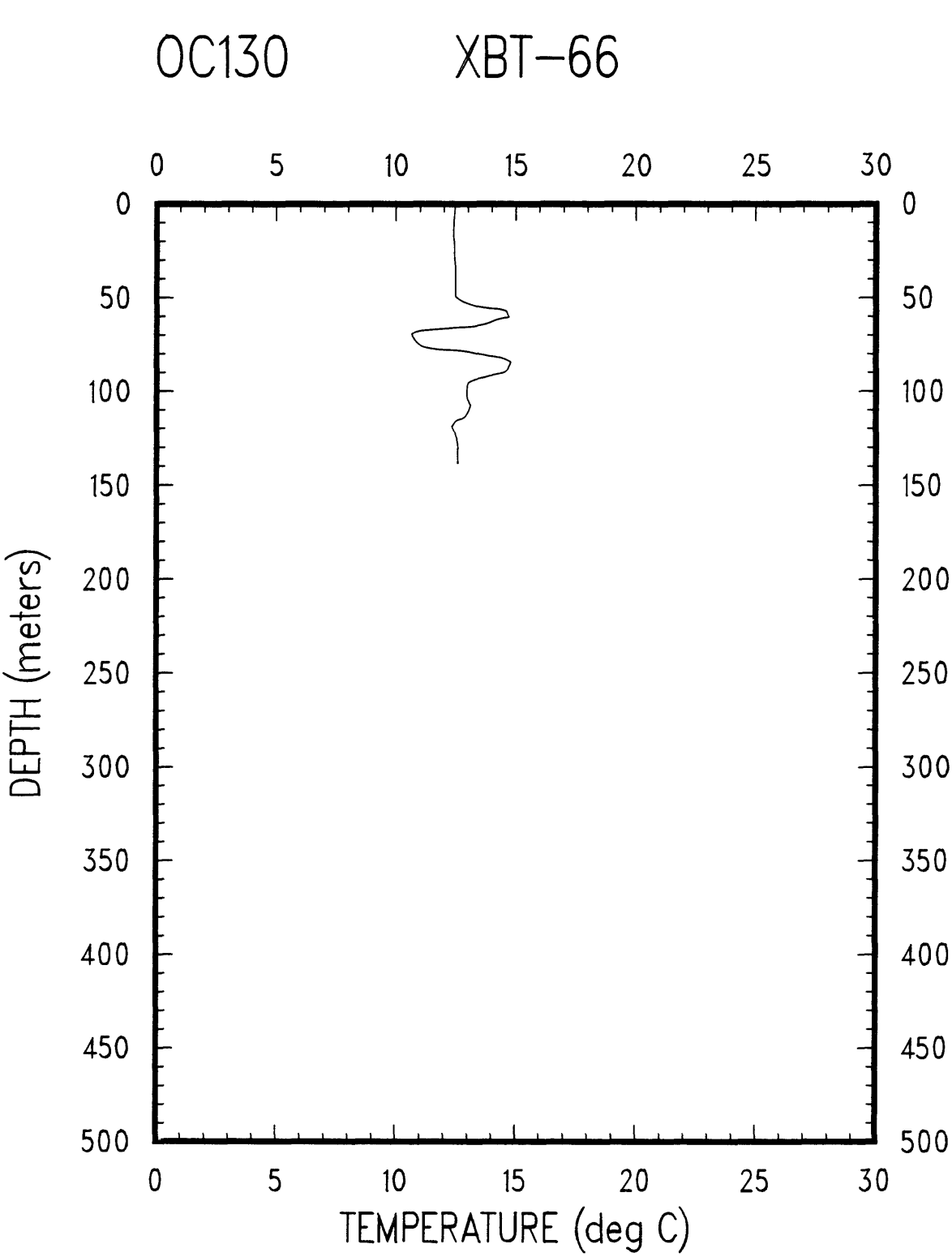
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
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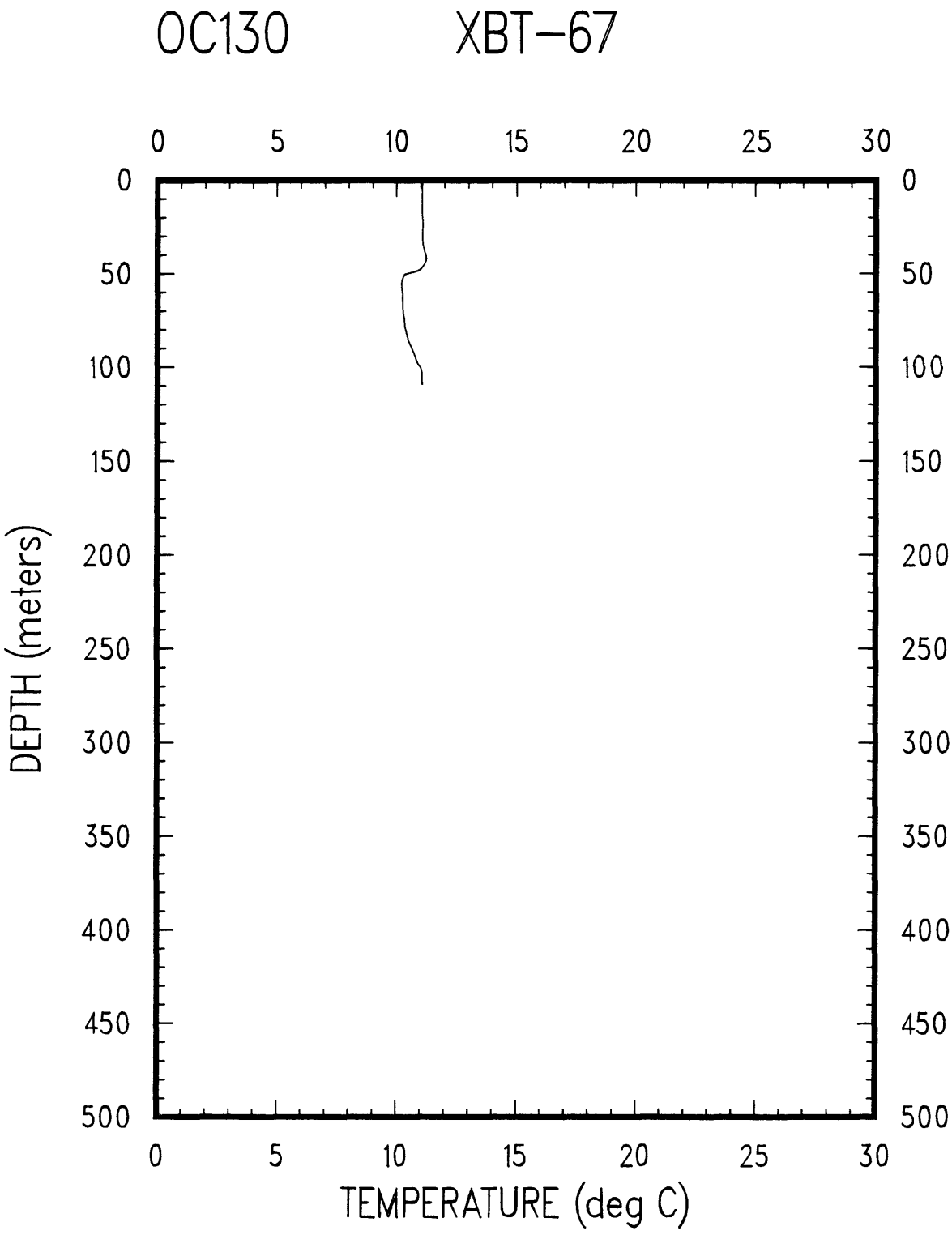
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-67
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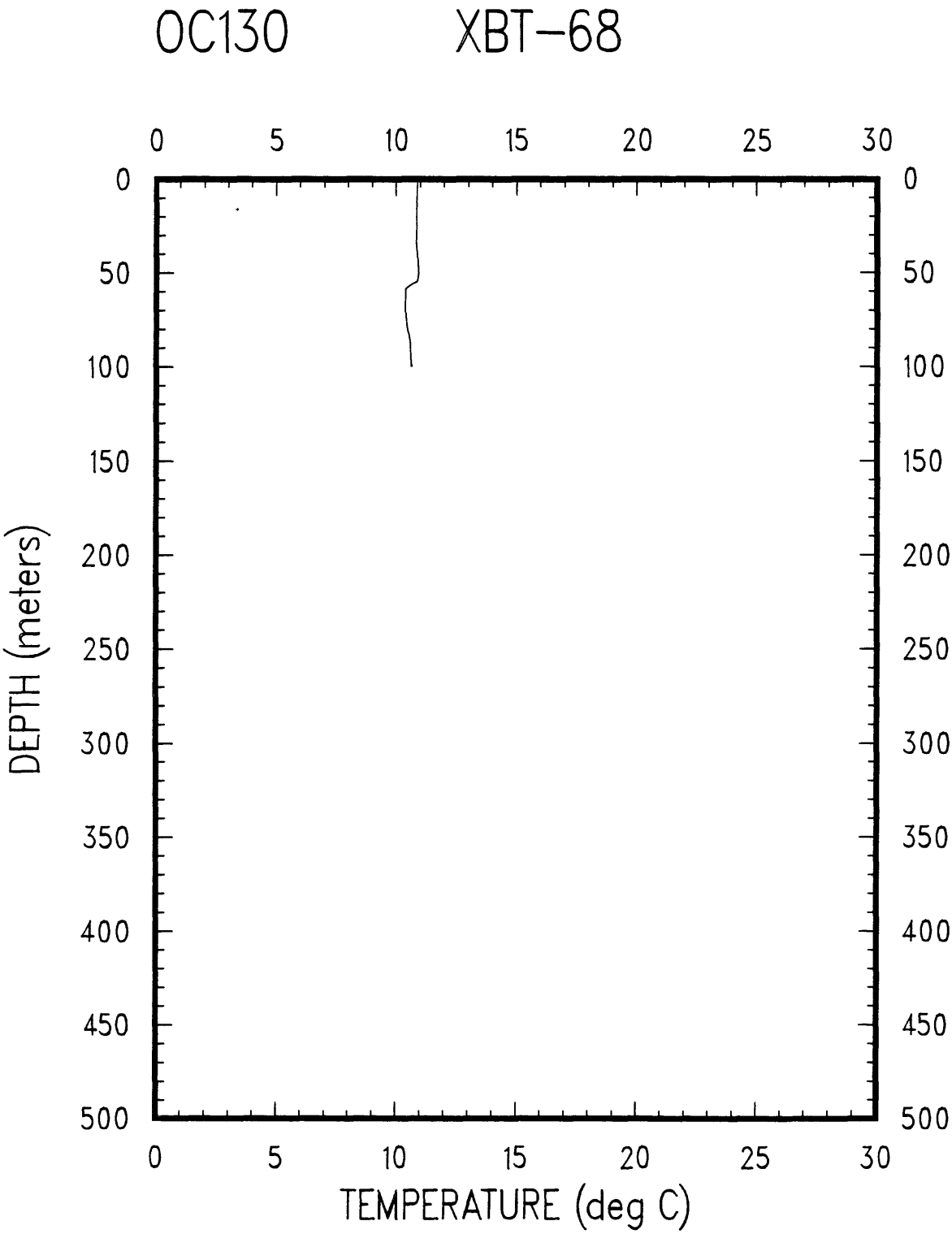
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-68
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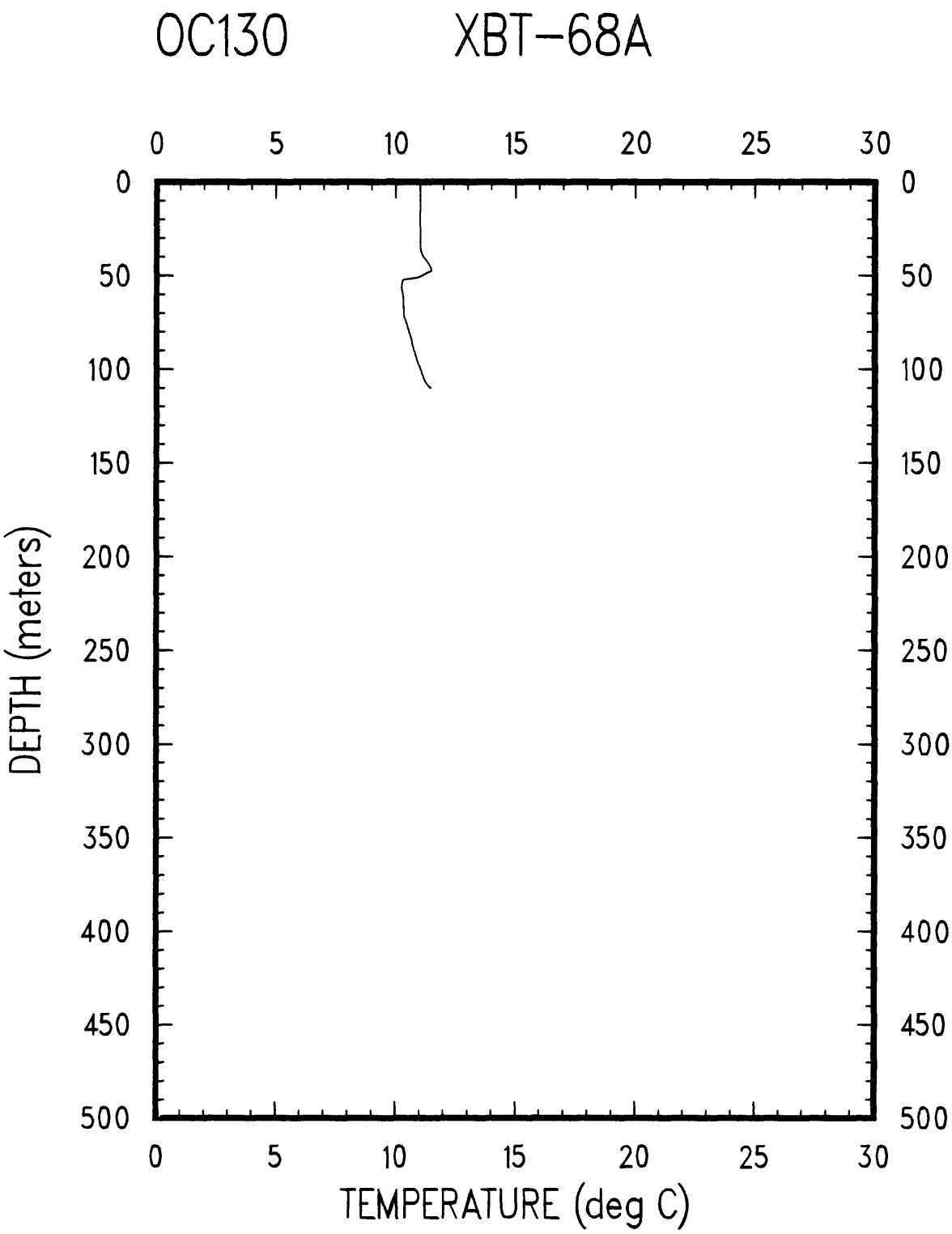
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-68A
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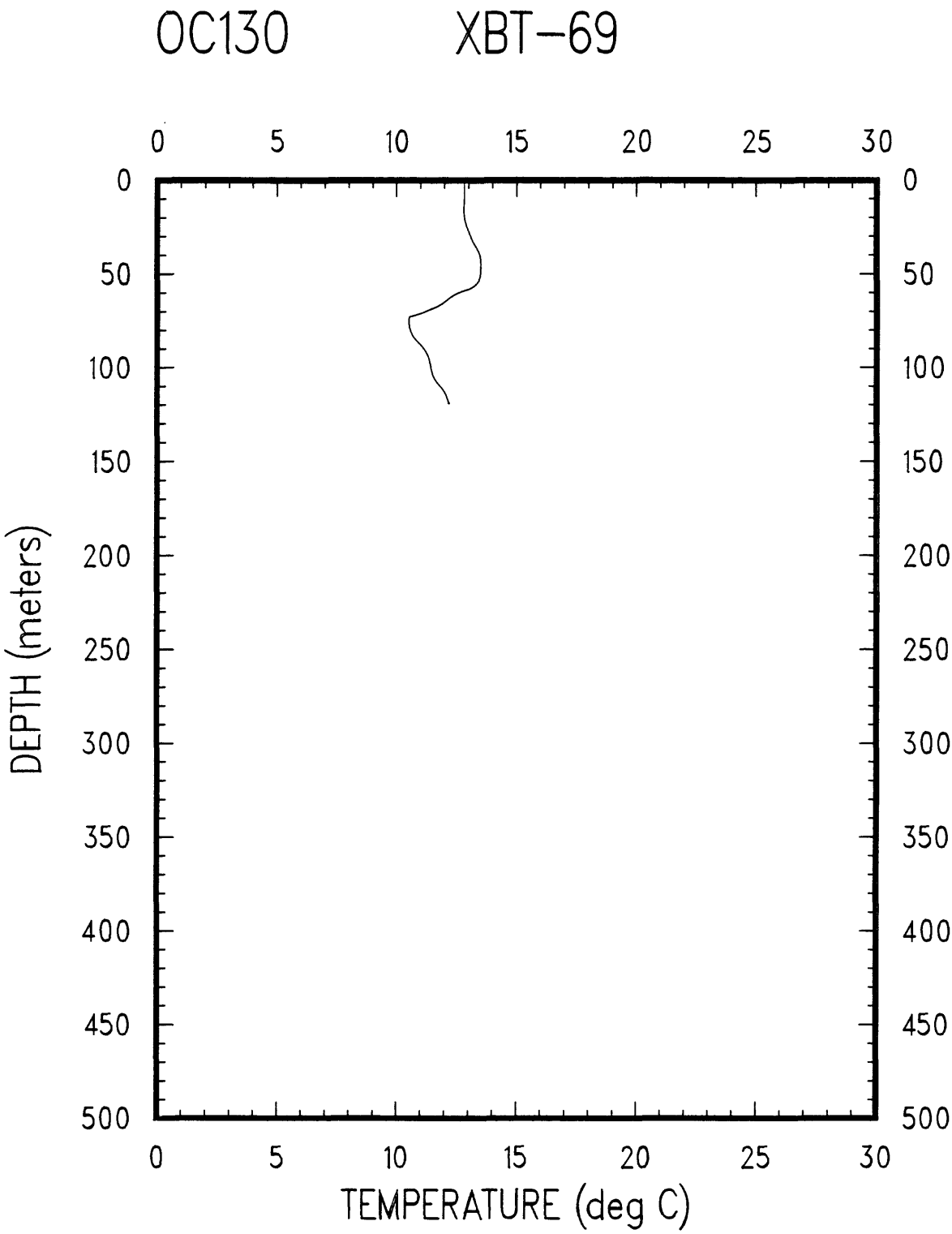
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-69
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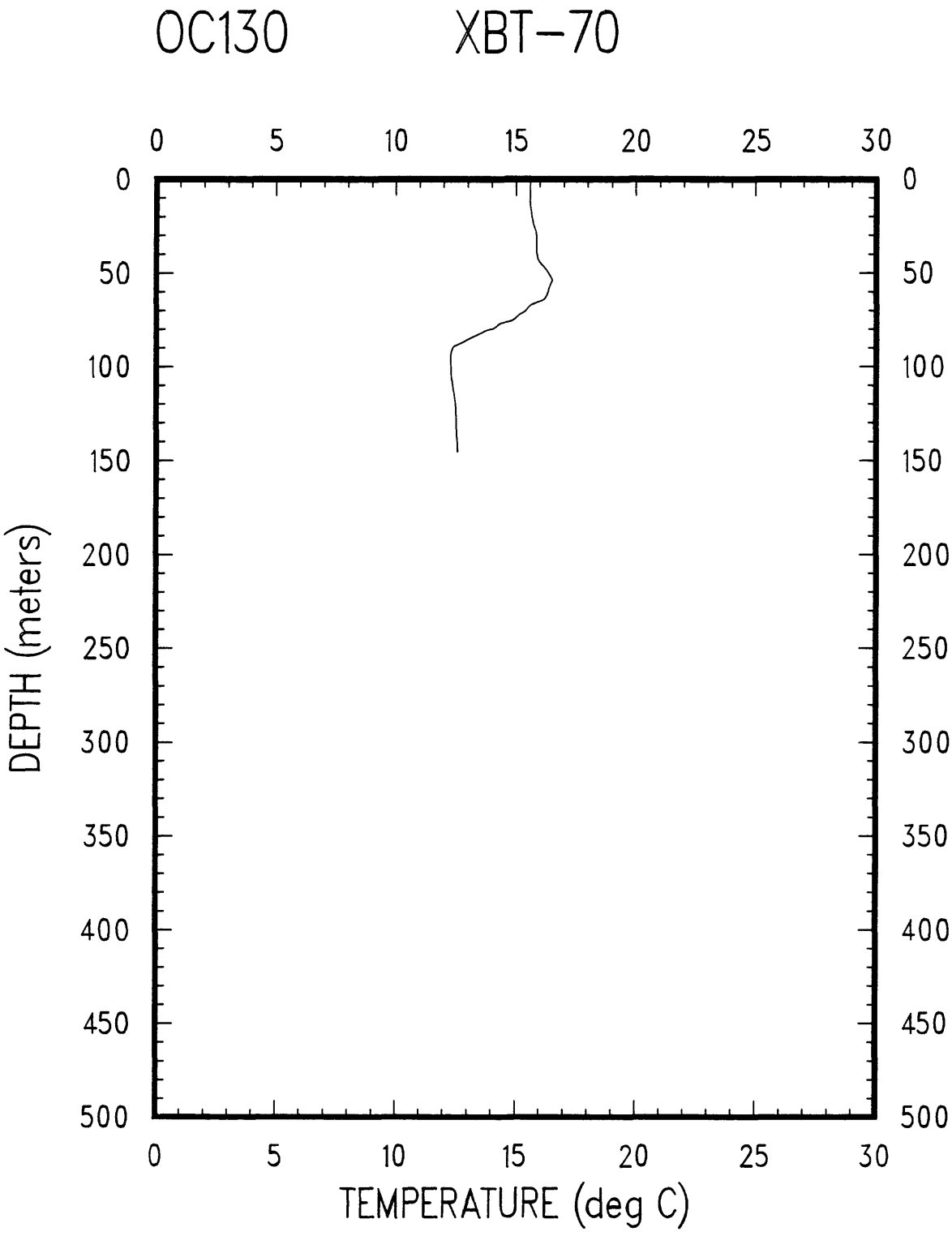
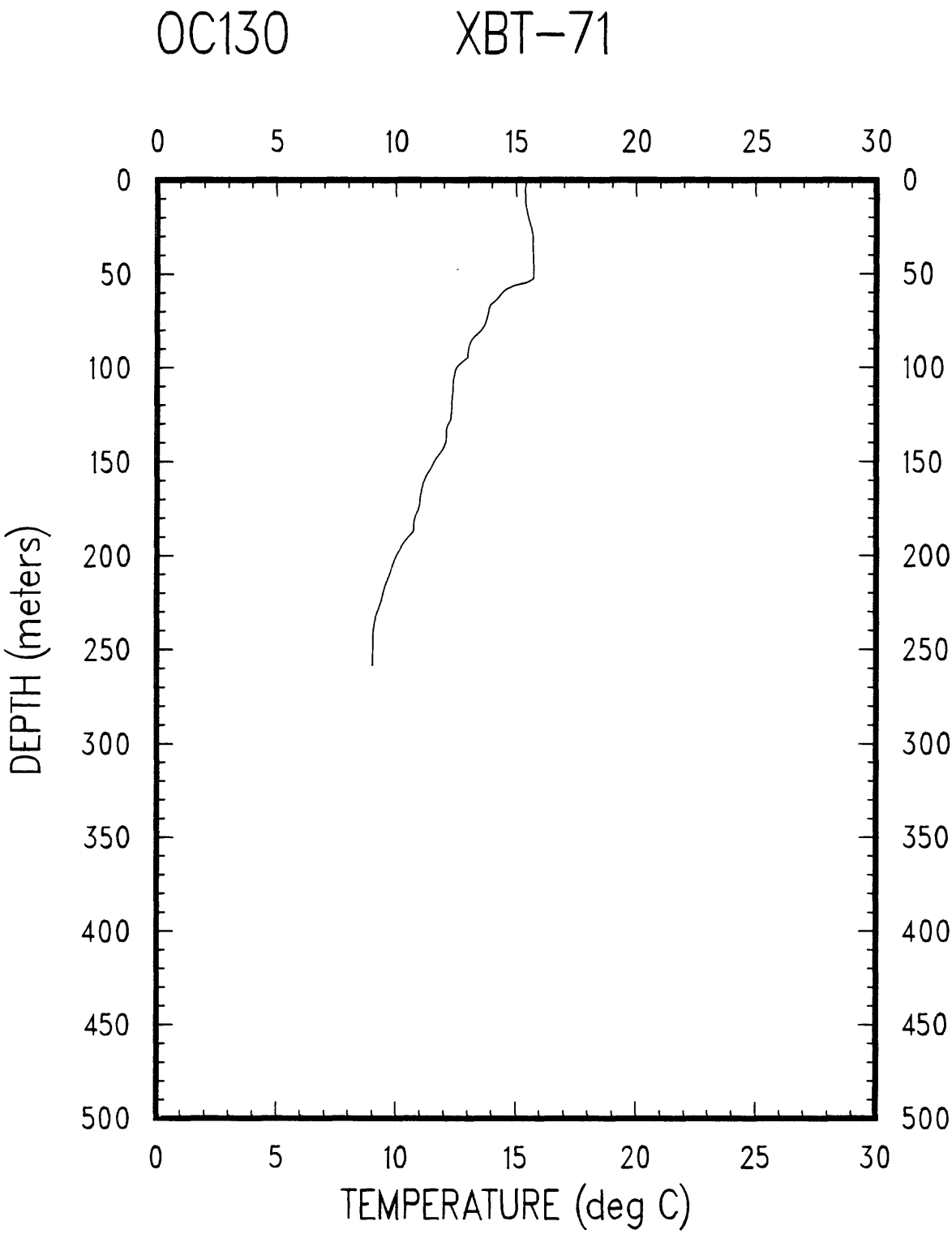
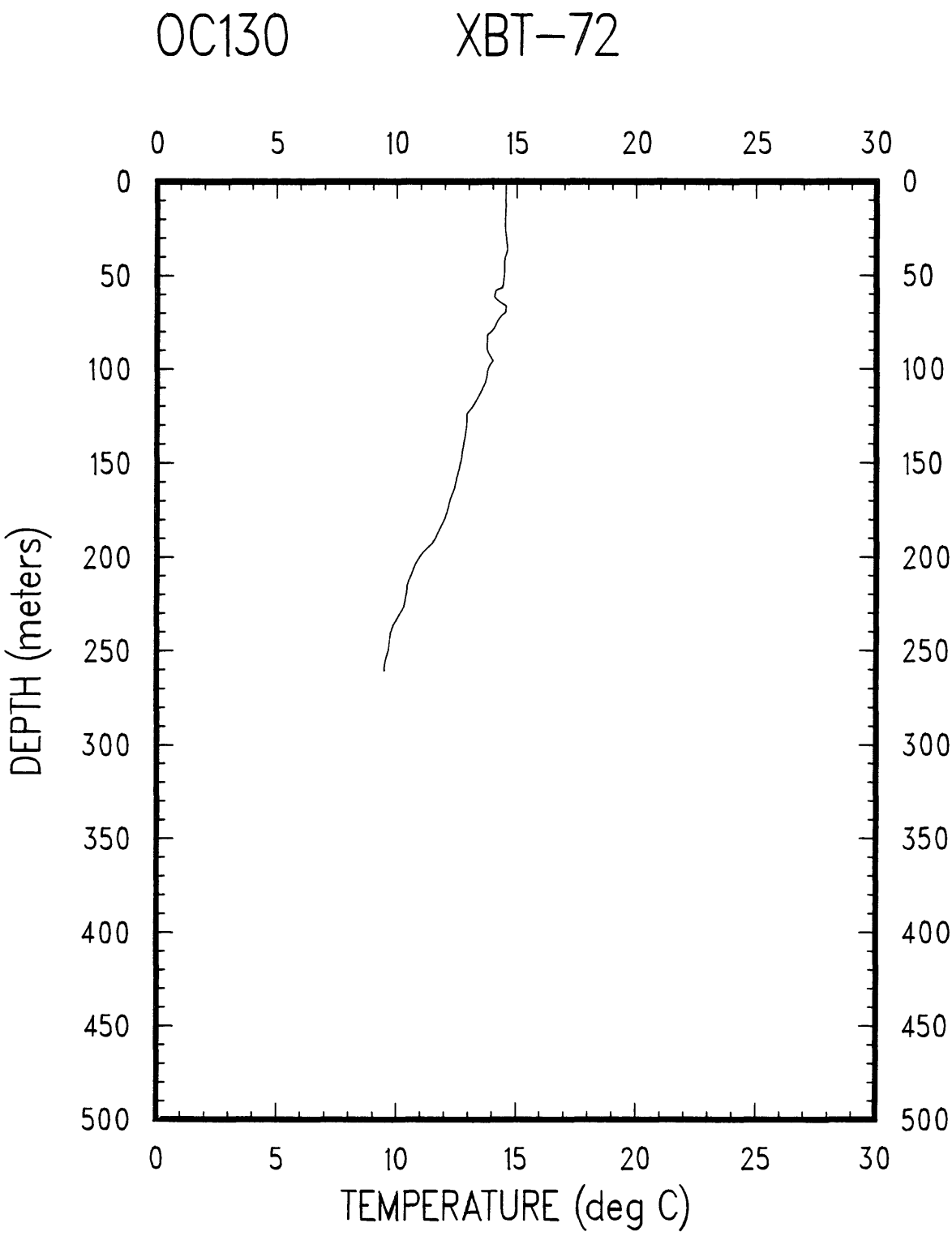
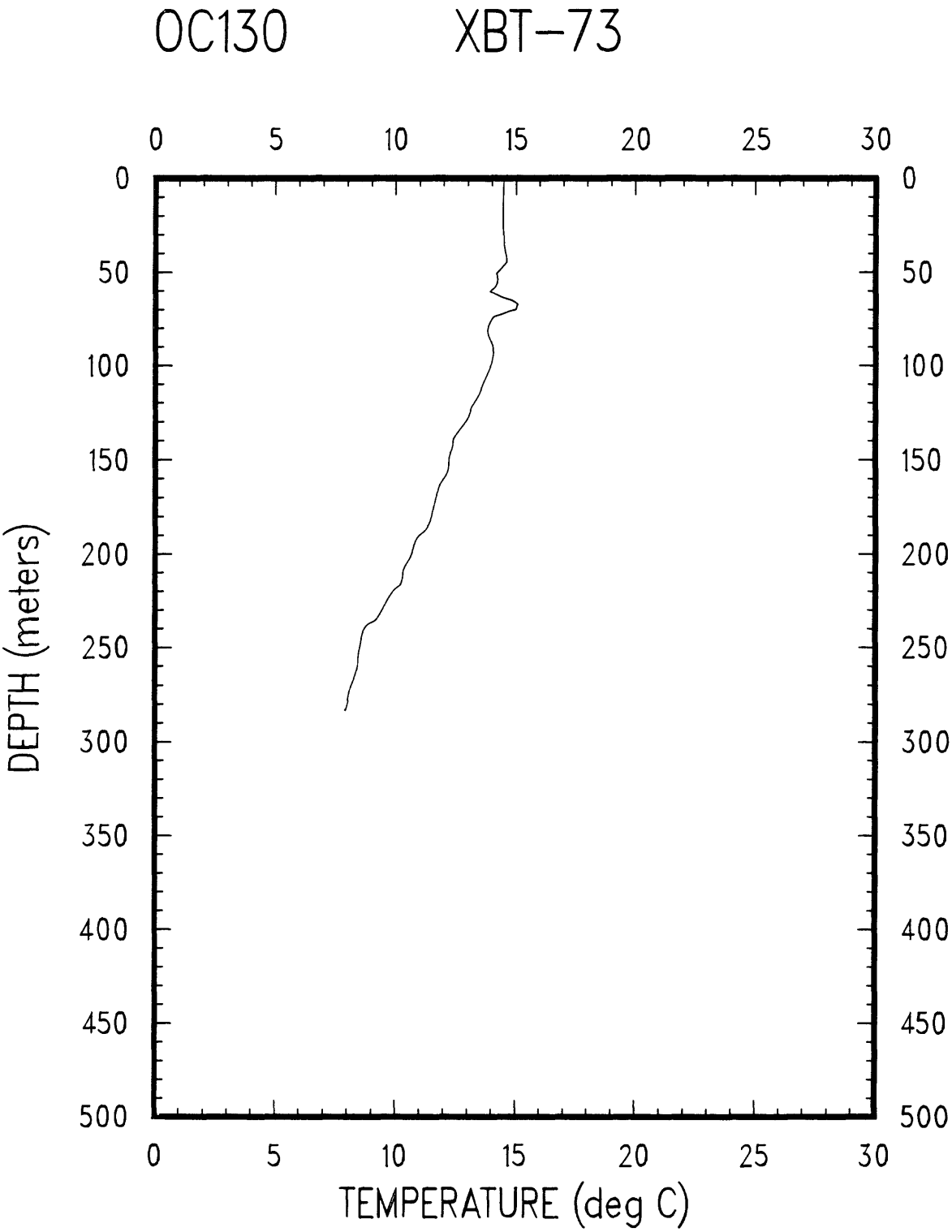
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

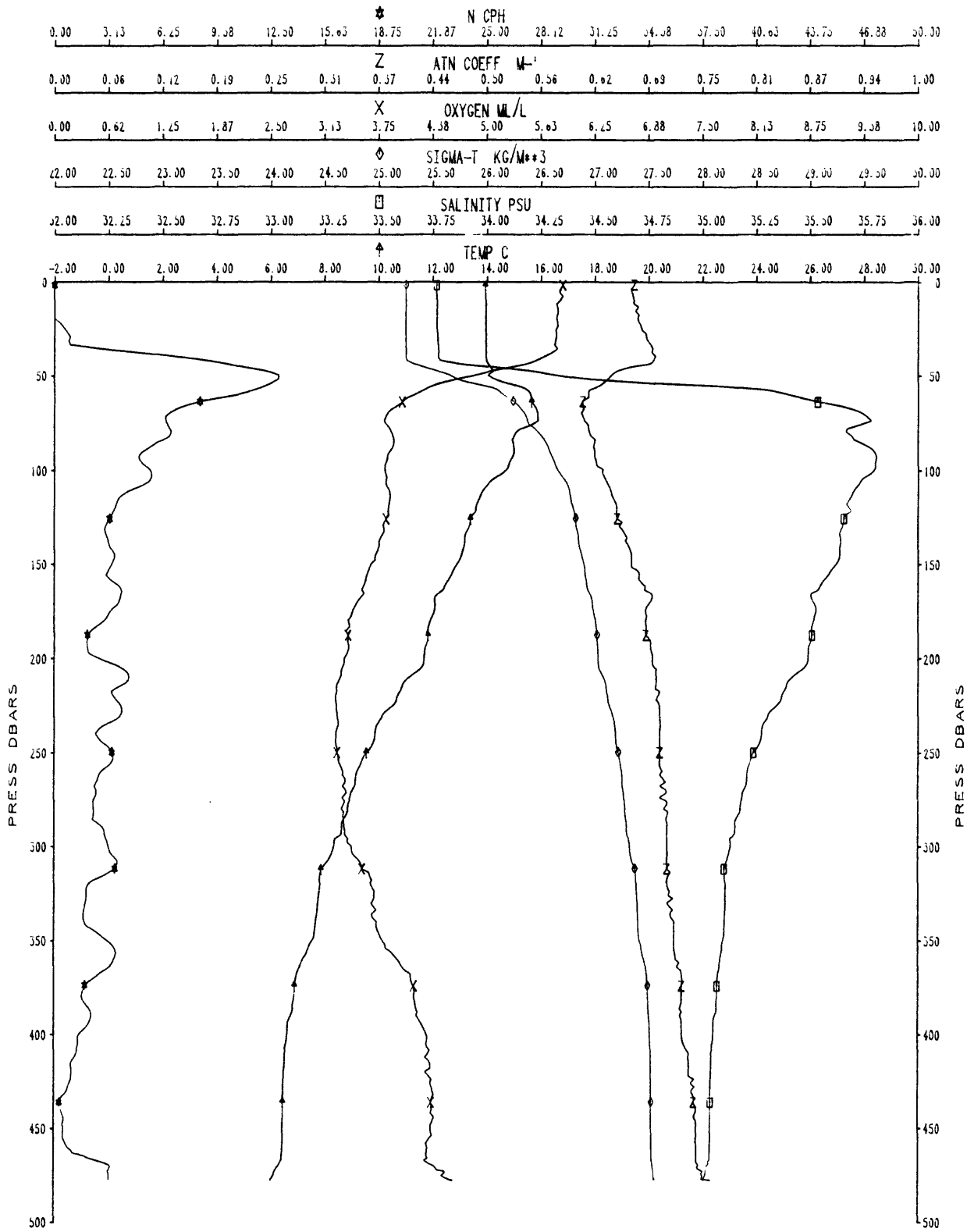

OC130
XBT-70
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-71
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-72
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC130
XBT-73
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC130A CAST #74



Appendix I. - Data listings

The 2-dbar-averaged data are listed in Appendix I. For the data listings, time is in Eastern Standard Time, ATN is the beam attenuation coefficient, SIGT is the density anomaly sigma-t, N is the Brunt-Vaisala frequency, DYHT A is the dynamic height anomaly, and S SPD is the speed of sound in seawater. For pressures greater than 500 dbar, the 2-dbar-averaged data are subsampled at 20-dbar intervals.

STA 1 DAY: 9 TIME: 1800

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.1	14.5	73.0	15.4	142.9	13.0	220.8	10.8	285.7	8.6
2.0	14.5	73.4	15.7	144.5	13.0	222.5	10.8	287.5	8.6
3.1	14.4	73.7	15.7	145.6	13.0	222.9	10.7	288.7	8.5
4.3	14.5	75.0	15.7	147.2	12.9	224.0	10.7	289.5	8.4
5.8	14.4	74.9	15.6	150.1	12.9	226.3	10.7	289.9	8.4
6.7	14.4	76.5	15.6	152.6	12.8	228.2	10.6	290.7	8.3
8.1	14.4	78.9	15.6	155.1	12.9	228.8	10.6	291.5	8.3
9.4	14.4	79.8	15.3	157.2	12.8	231.0	10.6	292.0	8.2
11.1	14.4	80.9	15.0	158.9	12.8	232.1	10.6	293.7	8.2
12.6	14.4	81.6	14.7	159.5	12.8	232.9	10.5	295.1	8.2
14.3	14.4	82.7	14.4	161.6	12.8	234.5	10.4	296.8	8.1
15.8	14.5	84.1	14.3	163.7	12.7	236.2	10.3	298.1	8.1
18.7	14.6	86.7	14.3	165.5	12.7	237.2	10.3	298.7	8.0
20.6	14.7	88.7	14.3	167.0	12.7	238.4	10.2	300.3	8.0
22.4	15.1	90.6	14.2	167.3	12.6	239.0	10.1	301.5	8.0
23.9	15.8	92.1	14.1	168.2	12.5	239.8	10.1	303.0	7.9
25.6	16.4	93.0	14.0	169.4	12.5	240.9	10.0	304.7	7.9
26.5	16.9	94.8	13.9	170.1	12.4	242.1	10.0	306.9	7.9
27.1	17.3	96.8	13.8	171.2	12.4	243.7	9.9	307.8	7.8
27.8	17.6	100.0	13.9	172.9	12.4	246.3	9.9	306.9	7.8
29.2	17.7	103.5	13.9	174.5	12.4	247.9	9.9	307.5	7.8
30.6	17.7	105.8	13.8	176.5	12.3	249.0	9.8	309.5	7.7
31.8	17.8	106.9	13.8	177.3	12.2	250.5	9.8	310.5	7.7
33.0	17.8	108.3	13.6	177.8	12.1	252.2	9.8	310.8	7.6
34.8	17.8	109.7	13.6	178.3	12.0	253.9	9.7	311.9	7.6
36.4	17.9	110.9	13.7	179.2	11.9	255.8	9.6	312.8	7.6
38.2	17.9	112.1	13.7	180.7	11.9	258.2	9.6	314.9	7.6
39.4	18.0	113.0	13.6	183.5	11.8	259.3	9.6		
41.1	18.0	113.9	13.6	184.5	11.7	261.2	9.6		
42.7	18.1	115.5	13.6	185.6	11.6	262.6	9.5		
45.6	18.1	117.0	13.6	186.6	11.5	264.2	9.5		
47.5	18.1	118.4	13.5	187.9	11.4	265.5	9.4		
50.0	18.1	119.4	13.4	189.0	11.3	266.6	9.4		
51.2	18.2	119.8	13.4	190.1	11.2	268.1	9.4		
53.0	18.2	119.9	13.3	191.0	11.1	268.3	9.3		
54.7	18.3	120.8	13.2	192.7	11.1	269.5	9.3		
55.7	18.2	122.2	13.2	194.7	11.1	271.3	9.2		
57.3	18.3	123.0	13.3	195.9	11.0	272.8	9.2		
59.5	18.3	124.5	13.3	197.9	11.0	273.4	9.1		
60.6	18.2	125.8	13.2	199.7	11.0	274.5	9.1		
61.5	18.0	127.8	13.2	202.0	10.9	275.7	9.0		
62.6	17.9	129.8	13.2	204.2	10.9	276.6	9.0		
64.0	17.6	131.1	13.2	206.1	10.9	277.0	8.9		
65.0	17.4	132.5	13.2	207.4	10.9	278.0	8.9		
66.0	17.2	134.3	13.2	208.8	10.8	279.6	8.8		
66.8	17.0	136.4	13.2	210.1	10.8	281.4	8.8		
68.0	16.8	137.7	13.2	211.8	10.8	281.8	8.8		
69.5	16.2	138.9	13.1	214.1	10.8	282.8	8.7		
70.1	15.8	140.5	13.1	216.8	10.8	283.3	8.6		
70.3	15.4	141.9	13.1	218.6	10.8	284.0	8.6		

STA 2 DAY: 9 TIME: 1825

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.2	14.9	42.6	19.7	83.6	15.1	151.7	13.0	221.2	11.1
2.5	14.9	43.5	19.8	84.2	15.0	153.2	13.0	223.2	11.1
4.6	14.9	43.9	19.6	84.4	14.8	154.0	13.0	224.8	11.1
7.1	14.9	44.4	19.6	84.7	14.7	154.7	12.9	226.0	11.1
8.2	14.9	44.6	19.5	86.1	14.7	156.7	12.9	226.6	11.1
10.1	14.9	45.1	19.4	86.1	14.7	158.0	12.9	227.4	11.0
10.9	15.0	45.5	19.3	87.5	14.6	159.5	12.9	228.0	10.9
12.0	15.1	46.6	19.1	89.7	14.6	161.9	12.9	228.7	10.9
13.3	15.1	48.2	19.1	90.6	14.5	162.4	12.9	230.2	10.8
14.1	15.2	49.1	19.0	92.9	14.4	163.6	12.8	231.6	10.8
14.5	15.3	50.4	18.9	94.4	14.4	165.1	12.7	232.9	10.8
15.0	15.4	51.2	18.8	94.8	14.3	166.3	12.7	234.3	10.7
15.4	15.5	52.0	18.7	96.4	14.3	167.4	12.6	235.4	10.6
15.4	15.7	52.7	18.6	97.1	14.2	167.4	12.6	236.2	10.6
16.0	15.8	53.5	18.6	97.7	14.1	167.8	12.5	236.4	10.4
16.2	16.0	54.3	18.6	98.4	14.1	171.2	12.5	237.2	10.4
16.2	16.0	55.2	18.6	98.8	13.9	172.2	12.4	238.3	10.4
16.5	16.2	55.7	18.8	100.4	13.9	173.2	12.4	239.4	10.4
16.6	16.4	56.0	18.9	102.2	13.8	174.8	12.4	240.3	10.3
16.9	16.5	57.1	19.0	103.4	13.7	177.3	12.4	240.6	10.3
17.3	16.8	58.7	19.0	104.6	13.5	177.6	12.3	241.3	10.3
17.6	17.0	60.1	18.9	105.5	13.2	179.2	12.2	241.8	10.2
18.1	17.2	61.0	18.8	106.5	13.1	181.2	12.2	242.5	10.1
18.4	17.5	62.2	18.7	107.3	12.9	183.6	12.1	243.4	10.1
19.5	17.5	62.8	18.5	109.4	12.9	184.1	12.1	244.8	10.1
19.8	17.6	63.4	18.3	111.6	12.9	185.8	12.1	245.4	10.0
21.0	17.7	64.1	18.1	112.6	12.9	187.2	12.1	246.1	9.9
21.8	17.9	64.6	17.8	114.7	13.0	188.9	12.0	246.9	9.8
23.8	18.0	64.7	17.6	116.0	13.0	189.8	11.9	248.0	9.8
25.2	18.0	65.4	17.3	119.5	13.0	190.6	11.9	249.7	9.8
26.4	18.1	66.1	17.0	120.1	13.1	191.5	11.8	251.4	9.8
27.3	18.2	67.3	16.8	122.8	13.1	192.6	11.7	252.8	9.8
28.4	18.2	68.0	16.5	124.5	13.1	193.9	11.6	254.5	9.7
30.2	18.2	69.2	16.2	126.0	13.2	195.3	11.6	256.5	9.7
30.8	18.3	70.3	16.0	127.1	13.4	196.5	11.6	257.7	9.7
31.6	18.4	71.9	15.8	127.6	13.5	197.6	11.5	259.4	9.7
32.7	18.5	73.3	15.7	129.0	13.6	198.8	11.4	260.9	9.6
33.0	18.6	75.2	15.5	130.8	13.6	200.5	11.4	262.0	9.5
33.5	18.8	76.5	15.5	131.9	13.5	202.2	11.4	262.8	9.5
33.9	19.1	77.6	15.4	133.8	13.4	204.3	11.4	263.8	9.4
34.2	19.2	78.0	15.3	135.9	13.4	205.4	11.3	265.1	9.4
34.5	19.3	78.6	15.1	137.9	13.4	206.8	11.3	266.3	9.3
35.1	19.4	79.1	15.1	140.3	13.4	208.6	11.3	266.8	9.2
36.3	19.4	79.9	15.1	143.0	13.4	209.9	11.3	268.3	9.2
37.0	19.4	80.6	15.3	144.4	13.3	211.0	11.2	269.5	9.1
38.1	19.4	81.3	15.4	146.2	13.3	211.8	11.1	270.5	9.1
38.7	19.4	81.9	15.5	147.9	13.3	213.7	11.1	271.1	9.0
40.0	19.4	82.6	15.5	149.5	13.2	215.3	11.1		
41.1	19.5	83.1	15.4	150.4	13.2	217.3	11.1		
41.7	19.6	83.4	15.2	150.8	13.1	219.0	11.1		

STA 3 DAY: 9 TIME: 2245

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
3.0	15.5	70.4	17.5	124.4	13.5	189.4	11.6	275.0	9.0
4.7	15.6	71.5	17.5	126.2	13.5	190.1	11.5	278.8	8.9
6.4	15.6	72.5	17.4	127.4	13.4	191.0	11.4	281.0	8.9
7.9	15.6	73.7	17.2	128.8	13.4	192.0	11.3	282.8	8.8
9.7	15.6	74.4	17.2	129.5	13.4	193.6	11.3	285.2	8.7
11.4	15.6	75.0	17.0	130.8	13.3	195.2	11.3	287.6	8.7
12.9	15.6	75.0	16.9	132.3	13.2	196.2	11.2	289.6	8.6
14.3	15.6	75.3	16.8	134.2	13.2	198.1	11.2	291.9	8.6
15.9	15.6	76.3	16.7	135.8	13.1	200.1	11.2	294.1	8.5
17.0	15.5	77.2	16.7	137.1	13.1	201.9	11.2	296.4	8.5
18.8	15.5	78.4	16.8	139.0	13.1	204.5	11.1	298.1	8.4
20.5	15.6	79.7	16.7	140.9	13.1	206.0	11.1	300.2	8.3
21.6	16.0	81.2	16.6	142.1	13.0	207.7	11.1	301.3	8.2
23.1	17.0	81.6	16.5	143.7	13.0	208.7	11.0	303.4	8.2
25.3	18.1	82.5	16.3	145.4	13.0	210.4	11.0	304.9	8.2
27.0	19.1	83.0	16.2	146.3	13.0	212.3	11.0	306.3	8.2
28.7	19.5	83.7	16.1	147.5	12.9	213.2	11.0	308.4	8.1
30.9	19.5	86.5	16.0	148.4	12.9	214.2	10.9	309.7	8.1
32.4	19.6	87.1	16.0	150.1	12.9	215.4	10.9	311.3	8.1
34.5	19.7	88.6	15.9	151.8	12.9	217.0	10.8	312.9	8.1
36.6	19.7	89.5	15.7	153.9	12.9	219.9	10.8	315.3	8.1
37.9	19.7	90.6	15.5	155.2	12.9	221.2	10.8	317.7	8.0
39.0	19.7	90.8	15.4	156.5	12.8	221.8	10.7	319.9	8.0
40.5	19.7	91.3	15.3	157.7	12.8	222.5	10.6	321.2	7.9
41.4	19.6	92.3	15.1	158.9	12.8	224.5	10.6	323.0	7.9
42.5	19.6	93.5	15.1	160.7	12.7	226.6	10.6	325.7	7.9
43.5	19.5	95.8	15.0	162.3	12.7	227.8	10.5	328.3	7.8
45.0	19.4	97.0	14.9	163.6	12.7	229.1	10.4	330.7	7.8
46.0	19.4	98.5	14.8	164.9	12.6	232.9	10.4	331.7	7.8
46.4	19.3	100.8	14.7	165.6	12.6	234.6	10.3	332.3	7.7
46.9	19.2	103.2	14.7	166.4	12.5	237.5	10.3	333.4	7.7
47.8	19.1	105.3	14.8	167.0	12.5	240.3	10.2	335.1	7.6
49.8	19.2	106.4	14.7	168.0	12.4	241.9	10.2	337.1	7.6
50.1	19.4	107.3	14.6	168.8	12.3	244.1	10.2	339.3	7.6
52.1	19.4	108.0	14.6	170.2	12.3	245.8	10.1	341.4	7.6
52.7	19.3	109.7	14.6	171.7	12.3	247.2	10.1	343.5	7.6
53.7	19.2	110.9	14.6	172.8	12.2	249.4	9.9	345.5	7.5
55.1	19.1	111.7	14.5	173.8	12.2	251.5	9.9	346.8	7.4
56.7	19.0	111.9	14.4	175.0	12.2	253.2	9.7	347.9	7.4
57.5	18.8	112.8	14.4	176.7	12.1	254.8	9.7	349.1	7.4
58.2	18.7	114.6	14.4	177.8	12.1	256.5	9.6	350.8	7.3
59.3	18.5	115.9	14.4	178.8	12.1	258.1	9.5	352.9	7.3
60.3	18.3	116.5	14.3	179.7	12.0	259.4	9.5	353.6	7.3
60.6	18.1	117.1	14.1	181.3	12.0	261.8	9.3	354.7	7.2
61.8	17.9	117.2	14.0	182.9	12.0	263.7	9.3	355.7	7.2
62.2	17.7	117.7	13.9	184.0	11.9	265.2	9.2	357.9	7.2
63.0	17.6	118.8	13.8	185.1	11.9	266.5	9.1	359.1	7.1
64.4	17.6	119.8	13.6	186.5	11.8	267.2	9.1	360.2	7.0
66.3	17.5	120.8	13.6	187.9	11.8	270.3	9.0	361.3	7.0
68.6	17.5	122.4	13.5	188.9	11.7	273.2	9.0	362.8	6.9

STA 3 DAY: 9 TIME: 2245

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
363.7	6.9	464.8	5.8	558.9	5.2
367.0	6.9	466.8	5.8	561.1	5.2
370.3	6.9	469.3	5.8	563.0	5.2
372.5	6.8	470.8	5.8	564.7	5.2
375.4	6.8	472.5	5.8		
377.3	6.8	474.2	5.8		
379.2	6.8	476.5	5.8		
381.4	6.8	478.0	5.8		
384.0	6.8	480.2	5.8		
386.5	6.8	481.3	5.8		
389.2	6.8	482.4	5.7		
390.9	6.8	483.5	5.7		
393.0	6.8	485.4	5.7		
395.0	6.8	487.3	5.7		
397.0	6.8	489.8	5.6		
397.0	6.8	491.3	5.6		
398.5	6.8	492.8	5.6		
401.3	6.8	495.1	5.6		
404.1	6.8	496.7	5.6		
406.6	6.8	497.6	5.5		
409.5	6.7	499.9	5.5		
411.3	6.7	501.6	5.4		
413.6	6.7	502.9	5.4		
415.9	6.7	505.1	5.4		
417.9	6.7	506.9	5.4		
420.3	6.7	509.2	5.4		
422.0	6.7	510.8	5.4		
424.9	6.6	512.8	5.4		
426.0	6.6	514.2	5.4		
427.3	6.6	515.4	5.4		
428.8	6.6	517.6	5.4		
431.3	6.5	519.7	5.4		
433.4	6.5	521.3	5.4		
434.9	6.5	522.8	5.4		
435.7	6.4	524.5	5.3		
436.8	6.4	527.6	5.3		
438.3	6.4	529.5	5.3		
439.4	6.4	531.7	5.3		
441.3	6.3	534.7	5.3		
442.7	6.3	536.5	5.3		
444.1	6.2	538.9	5.3		
445.0	6.2	541.0	5.3		
447.1	6.1	542.7	5.3		
448.6	6.1	544.7	5.3		
449.2	6.1	547.5	5.3		
451.7	6.1	548.6	5.2		
454.5	6.0	550.0	5.2		
457.1	6.0	551.9	5.2		
459.6	5.9	554.3	5.2		
462.9	5.8	556.7	5.2		

STA 4 DAY: 10 TIME: 2059

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.8	18.1	49.8	17.6	87.4	14.1	158.9	12.7	224.0	9.9
1.3	18.6	50.0	17.3	88.2	14.1	160.3	12.7	225.3	9.9
1.4	19.1	50.2	17.1	89.3	14.0	161.6	12.6	226.6	9.9
1.5	19.1	50.3	17.0	89.9	14.0	162.6	12.6	228.5	9.9
2.1	19.6	50.7	16.9	91.5	14.0	163.5	12.5	229.2	9.7
2.5	19.7	51.0	16.7	93.0	14.0	165.2	12.5	231.1	9.7
4.5	19.7	51.6	16.6	94.6	13.9	165.6	12.4	232.7	9.7
5.2	19.8	52.0	16.5	95.9	13.9	166.4	12.4	234.3	9.7
6.8	19.8	52.8	16.4	97.9	13.8	167.2	12.3	235.9	9.7
8.5	19.8	54.2	16.4	100.3	13.8	168.3	12.3	236.6	9.7
9.8	19.8	55.5	16.3	102.3	13.8	169.1	12.2	238.7	9.6
11.5	19.8	56.4	16.2	103.9	13.9	170.5	12.1	240.7	9.5
13.8	19.8	56.8	16.1	105.8	13.9	171.5	12.1	243.0	9.5
14.8	19.8	57.7	16.0	107.3	13.8	172.2	12.0	243.8	9.4
16.1	19.9	58.4	15.9	108.7	13.7	172.8	12.0	245.4	9.4
19.0	19.9	59.1	15.9	110.0	13.7	174.3	11.9	246.4	9.3
20.9	19.9	60.0	15.8	111.6	13.6	176.0	11.9	248.2	9.3
21.5	19.8	61.1	15.8	112.7	13.6	177.6	11.9	249.7	9.3
24.4	19.8	61.8	15.7	114.3	13.6	179.7	11.9	251.2	9.3
25.7	19.8	62.2	15.6	115.7	13.6	182.3	11.8	253.0	9.3
27.4	19.8	62.5	15.5	115.7	13.6	183.7	11.7	254.9	9.2
28.8	19.8	62.7	15.4	117.5	13.6	186.0	11.6	256.6	9.2
30.9	19.8	63.5	15.3	119.2	13.6	187.7	11.6	258.1	9.2
32.5	19.8	64.2	15.2	120.9	13.6	188.9	11.5	259.6	9.2
33.3	19.8	65.3	15.1	122.8	13.7	190.6	11.4	262.3	9.1
33.8	19.8	66.3	15.0	125.0	13.6	192.0	11.4	264.7	9.1
35.3	19.8	66.9	14.9	126.2	13.6	194.0	11.3	265.8	9.1
36.9	19.8	67.5	14.8	127.6	13.6	196.0	11.3	266.2	9.1
38.4	19.8	67.7	14.7	129.2	13.5	197.4	11.2	268.1	9.0
40.2	19.8	68.0	14.6	131.1	13.6	199.1	11.1	270.3	9.0
41.7	19.8	68.7	14.5	132.6	13.6	201.0	11.1	272.3	9.0
42.9	19.8	69.5	14.5	134.3	13.6	201.9	11.1	272.9	8.9
44.2	19.8	70.0	14.4	136.5	13.5	202.3	11.0	274.7	8.8
45.8	19.8	71.1	14.4	137.9	13.5	203.7	11.0	276.6	8.8
47.2	19.8	71.9	14.5	138.6	13.4	205.1	10.9	278.0	8.8
48.3	19.8	72.5	14.5	140.3	13.4	206.9	10.9	280.2	8.8
48.6	19.6	73.7	14.6	142.0	13.4	207.5	10.8	282.1	8.8
48.5	19.5	74.2	14.6	143.6	13.4	208.7	10.8	284.6	8.8
48.7	19.3	75.5	14.6	145.0	13.3	209.5	10.7	286.4	8.8
48.8	19.1	77.2	14.6	145.8	13.3	210.3	10.6	287.5	8.7
48.8	18.9	77.9	14.5	146.8	13.2	211.6	10.6	289.0	8.7
48.8	18.8	78.2	14.4	148.2	13.2	212.6	10.4	290.9	8.7
49.0	18.6	79.1	14.4	149.7	13.2	213.6	10.4	292.1	8.7
49.2	18.4	79.5	14.3	150.5	13.2	215.0	10.3	294.5	8.6
49.1	18.3	80.1	14.2	151.1	13.0	216.3	10.3	295.9	8.6
48.9	18.1	80.4	14.1	151.8	13.0	217.5	10.2	297.1	8.6
49.3	18.0	81.4	14.0	153.2	12.9	218.7	10.2	298.2	8.6
49.6	17.9	83.2	14.0	154.6	12.9	220.4	10.1	299.5	8.5
49.6	17.8	84.3	14.0	156.3	12.8	221.8	10.0	300.8	8.5
49.6	17.7	86.0	14.1	157.6	12.8	222.9	10.0	301.6	8.5

STA 4 DAY: 10 TIME: 2059

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
302.3	8.4	382.9	7.1	470.3	6.0	556.2	5.3	636.0	4.6
304.0	8.3	384.4	7.1	473.4	6.0	557.5	5.3	638.2	4.6
304.8	8.3	386.0	7.1	474.8	5.9	559.0	5.2	639.6	4.5
305.6	8.2	386.6	7.0	476.6	5.9	560.6	5.3	640.8	4.6
306.7	8.2	387.6	6.9	478.6	5.9	561.4	5.3	643.5	4.6
308.1	8.1	389.9	6.9	481.5	5.9	562.9	5.2	645.5	4.6
309.5	8.1	390.6	6.9	483.5	5.9	563.7	5.2	647.0	4.6
310.3	8.1	392.0	6.8	485.2	5.9	565.1	5.1	648.8	4.6
313.2	8.0	394.2	6.8	485.6	5.8	566.0	5.1	650.5	4.5
314.5	8.0	395.5	6.7	487.1	5.8	568.5	5.1	653.1	4.6
316.5	8.0	396.7	6.7	488.6	5.8	569.8	5.1	654.5	4.6
317.4	8.0	398.6	6.7	491.5	5.8	571.6	5.0	656.3	4.6
319.3	8.0	400.9	6.6	492.7	5.7	573.8	5.0	658.7	4.6
321.0	8.0	403.1	6.6	494.9	5.7	576.0	5.0	660.7	4.6
322.7	8.0	404.8	6.6	495.2	5.7	577.6	4.9	663.6	4.6
325.1	8.0	406.5	6.6	496.6	5.7	579.0	4.9	665.7	4.6
327.0	7.9	408.6	6.6	498.0	5.6	580.2	4.9	668.0	4.6
328.8	7.9	411.0	6.6	499.6	5.6	581.0	4.9	669.8	4.6
330.2	7.8	413.1	6.6	502.5	5.6	581.6	4.9	671.4	4.6
330.6	7.8	414.7	6.6	504.8	5.6	582.3	4.8	672.5	4.5
332.6	7.8	416.2	6.6	506.8	5.6	583.7	4.8	675.3	4.5
333.7	7.8	418.3	6.6	509.5	5.6	584.8	4.8	676.8	4.5
335.1	7.7	420.2	6.6	511.6	5.6	586.3	4.8	679.3	4.5
337.1	7.7	421.8	6.6	513.7	5.6	588.2	4.8	680.9	4.5
339.1	7.7	422.8	6.5	515.4	5.6	589.6	4.8	683.4	4.5
341.8	7.7	425.1	6.5	517.5	5.6	591.1	4.7	685.9	4.5
343.8	7.7	426.8	6.5	519.4	5.6	592.3	4.7	687.5	4.5
346.2	7.6	428.2	6.5	521.3	5.6	593.6	4.7	689.4	4.5
347.4	7.6	430.1	6.4	522.8	5.5	594.5	4.7	691.9	4.5
349.4	7.7	432.0	6.4	524.0	5.5	596.1	4.6	694.8	4.5
351.7	7.6	434.3	6.4	525.1	5.5	597.9	4.6	695.8	4.5
353.2	7.5	436.1	6.3	526.2	5.5	600.9	4.6	697.6	4.5
355.0	7.5	438.0	6.3	527.3	5.5	603.2	4.6	699.1	4.5
356.8	7.5	439.6	6.3	529.2	5.5	605.3	4.6	701.3	4.5
357.9	7.5	441.2	6.2	531.0	5.5	606.8	4.6	703.5	4.5
360.0	7.5	442.7	6.2	532.2	5.5	609.0	4.6	705.9	4.4
361.5	7.5	444.5	6.2	533.3	5.4	611.3	4.6	707.5	4.4
363.5	7.4	445.8	6.2	534.3	5.5	613.2	4.6	709.2	4.4
364.3	7.4	446.6	6.1	536.0	5.4	614.9	4.6	709.9	4.5
365.3	7.4	448.1	6.1	537.2	5.4	616.2	4.6	711.4	4.4
366.3	7.3	449.2	6.1	540.3	5.5	617.6	4.6	713.2	4.5
367.8	7.3	450.2	6.2	542.2	5.4	618.9	4.6	715.2	4.4
370.0	7.3	452.6	6.1	542.6	5.4	621.3	4.6	716.1	4.4
371.8	7.3	455.1	6.1	543.7	5.4	623.2	4.6	718.0	4.4
373.5	7.3	457.5	6.1	544.8	5.3	624.5	4.6	719.7	4.4
375.6	7.3	459.8	6.1	546.0	5.3	627.3	4.6	722.1	4.4
376.8	7.3	462.7	6.1	547.6	5.3	628.3	4.6	723.3	4.4
378.0	7.2	464.3	6.1	548.8	5.3	629.5	4.6	724.8	4.5
380.2	7.2	466.1	6.0	551.4	5.2	631.8	4.6	726.4	4.4
381.4	7.1	468.4	6.0	554.4	5.3	633.9	4.6	727.9	4.5

STA 4 DAY: 10 TIME: 2059

DEPTH (m)	TEMP (°C)
729.5	4.5
730.5	4.5
732.5	4.4
733.7	4.4
735.2	4.4
737.3	4.4
739.1	4.4
740.4	4.4
743.2	4.4
744.8	4.4
746.5	4.4
748.3	4.4
749.4	4.4
751.0	4.4

STA 5 DAY: 10 TIME: 2125

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.8	14.0	43.9	15.4	74.2	15.1	126.0	13.5	177.7	10.8
1.6	13.9	44.8	15.4	74.7	15.2	127.4	13.4	179.0	10.8
2.0	14.0	45.6	15.3	74.8	15.3	128.5	13.4	180.3	10.8
3.5	14.0	46.3	15.2	75.1	15.4	129.5	13.4	181.3	10.7
5.3	13.9	46.9	15.1	75.6	15.5	130.1	13.3	182.6	10.7
6.8	13.9	47.8	15.1	76.3	15.5	130.8	13.3	184.4	10.7
8.3	13.9	48.6	15.0	76.8	15.4	132.0	13.2	186.1	10.7
9.6	14.0	49.1	14.9	77.0	15.3	133.0	13.1	187.8	10.6
10.0	13.9	49.6	14.7	77.6	15.3	133.7	13.0	189.3	10.6
11.8	14.0	49.8	14.5	78.8	15.2	134.2	13.0	191.0	10.6
13.0	13.9	50.5	14.4	80.2	15.2	135.1	12.9	192.3	10.6
14.4	14.0	50.7	14.2	80.8	15.1	136.3	12.9	192.9	10.5
16.3	14.0	51.0	14.1	81.9	15.0	137.2	12.8	194.7	10.5
16.9	13.9	51.5	14.1	83.0	15.0	137.9	12.8	195.8	10.4
17.8	13.9	51.9	14.1	84.2	15.0	138.9	12.7	197.5	10.4
18.8	13.9	52.1	14.2	85.8	15.0	140.1	12.7	199.4	10.4
19.9	13.9	52.2	14.3	86.2	14.9	140.9	12.7	200.5	10.3
22.4	13.9	52.9	14.3	86.8	14.8	141.4	12.6	202.3	10.3
23.3	14.0	53.1	14.4	87.1	14.7	142.6	12.6	203.4	10.2
24.6	14.0	54.2	14.5	87.8	14.6	143.9	12.5	204.8	10.2
25.6	14.1	55.3	14.5	88.3	14.5	144.8	12.5	206.2	10.2
26.0	14.1	56.5	14.5	88.5	14.5	146.4	12.4	207.2	10.2
27.7	14.1	57.8	14.5	89.8	14.5	147.7	12.4	209.3	10.1
29.2	14.1	58.8	14.5	91.7	14.5	149.3	12.4	209.9	10.0
30.0	14.2	59.0	14.6	92.2	14.4	150.6	12.4	211.8	9.9
31.5	14.2	59.8	14.7	93.2	14.4	151.5	12.3	212.8	9.9
32.0	14.2	60.8	14.8	94.1	14.3	152.4	12.3	213.7	9.8
32.4	14.4	61.2	14.9	95.4	14.3	153.2	12.2	214.6	9.8
33.0	14.5	61.8	14.9	97.3	14.3	154.4	12.1	216.1	9.7
33.0	14.7	62.8	15.0	98.9	14.3	156.0	12.1	217.1	9.6
33.3	14.9	63.6	15.0	101.1	14.4	156.9	12.1	218.3	9.6
33.8	15.1	64.5	14.9	101.4	14.4	157.7	12.0	219.6	9.6
33.9	15.4	64.9	14.9	103.3	14.4	158.1	11.9	222.4	9.6
34.3	15.5	65.9	14.9	104.8	14.4	159.2	11.8	223.1	9.6
35.0	15.7	66.2	15.0	105.8	14.4	160.3	11.7	224.4	9.6
35.2	15.9	66.9	15.0	107.2	14.3	161.6	11.7	225.2	9.6
35.6	16.1	67.0	14.9	108.4	14.3	162.6	11.6	226.2	9.5
36.1	16.2	67.5	14.9	109.5	14.2	163.4	11.6	227.5	9.5
36.7	16.3	67.8	14.8	111.0	14.1	164.4	11.5	228.6	9.4
37.1	16.4	68.1	14.8	112.1	14.0	165.2	11.4	229.6	9.4
38.5	16.4	68.5	14.7	112.8	13.9	166.5	11.3	230.5	9.4
39.4	16.4	69.1	14.7	114.5	13.9	167.8	11.3	230.9	9.3
39.9	16.3	70.3	14.7	116.2	13.9	169.0	11.3	232.5	9.3
40.1	16.2	71.3	14.8	117.6	13.9	170.8	11.2	233.7	9.2
40.4	16.1	71.9	14.8	118.8	13.8	171.9	11.2	235.7	9.2
41.5	16.0	72.1	14.9	119.8	13.7	172.9	11.1	236.9	9.1
42.0	15.9	72.5	15.0	121.5	13.7	173.2	11.0	237.9	9.1
42.5	15.8	72.9	15.0	122.8	13.6	175.0	11.0	240.8	9.0
42.8	15.6	73.2	15.1	123.8	13.5	176.6	11.0	242.2	9.0
43.3	15.6	73.8	15.1	124.5	13.5	177.4	10.9	243.9	9.0

STA 5 DAY: 10 TIME: 2125

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
245.4	9.0	319.7	7.5	398.4	6.4	475.7	5.5	573.4	4.9
246.7	8.9	321.3	7.5	399.6	6.4	477.7	5.4	575.4	4.9
249.1	8.9	321.9	7.4	401.2	6.4	479.6	5.4	577.2	4.9
251.5	8.9	322.4	7.4	403.9	6.3	481.8	5.4	579.1	4.9
253.9	8.9	323.7	7.3	405.2	6.3	484.4	5.3	581.3	4.9
255.6	8.9	324.9	7.3	406.3	6.3	486.8	5.3	583.7	4.9
256.8	8.9	326.4	7.2	407.6	6.3	489.0	5.3	585.3	4.8
259.0	8.9	327.3	7.1	409.1	6.2	492.4	5.3	588.5	4.8
261.0	8.9	329.2	7.1	410.9	6.2	494.2	5.3	591.0	4.8
262.3	8.8	331.0	7.1	412.8	6.2	496.5	5.3	593.2	4.8
263.5	8.7	332.6	7.1	414.1	6.2	498.0	5.3	596.6	4.8
264.9	8.6	334.5	7.1	415.7	6.1	500.0	5.3	598.9	4.8
265.5	8.5	336.0	7.1	417.3	6.1	501.4	5.3	601.6	4.8
267.2	8.5	337.6	7.1	418.9	6.1	503.2	5.3	604.2	4.7
268.3	8.5	339.9	7.1	421.3	6.1	505.1	5.3	607.2	4.7
269.3	8.4	342.0	7.1	423.3	6.0	507.3	5.3	609.0	4.7
271.1	8.4	343.8	7.1	424.9	6.0	508.7	5.2	610.7	4.7
272.2	8.4	345.5	7.1	425.9	5.9	510.0	5.3	613.0	4.7
273.6	8.4	347.3	7.1	427.7	5.9	512.5	5.2	615.2	4.6
275.7	8.4	350.0	7.0	428.8	5.8	514.2	5.2	618.1	4.6
277.3	8.4	351.6	7.0	430.3	5.8	516.0	5.2	620.0	4.6
278.8	8.4	353.8	7.0	431.9	5.8	518.6	5.2	622.2	4.6
281.3	8.4	355.4	7.0	434.0	5.8	520.4	5.2	626.3	4.6
283.8	8.4	356.2	7.0	435.3	5.8	521.8	5.2	629.3	4.6
285.7	8.4	357.6	7.0	436.8	5.8	524.0	5.2	631.3	4.6
287.3	8.3	359.5	7.0	438.9	5.8	526.0	5.1	632.5	4.6
288.1	8.3	360.8	7.0	440.8	5.8	527.0	5.1	634.8	4.6
289.5	8.2	361.8	6.9	442.6	5.8	528.7	5.1	636.8	4.6
290.7	8.2	363.5	6.9	444.4	5.8	530.4	5.1	638.3	4.5
292.8	8.2	365.2	6.9	444.4	5.8	532.7	5.1	640.4	4.5
294.4	8.2	366.6	6.9	445.3	5.7	535.8	5.1	642.3	4.5
295.4	8.1	367.8	6.8	447.6	5.7	538.1	5.1	644.7	4.5
296.2	8.1	370.5	6.8	449.2	5.7	539.7	5.1	647.3	4.5
297.0	8.0	373.1	6.8	450.8	5.7	541.5	5.1	650.3	4.5
297.5	7.9	374.6	6.8	450.1	5.8	543.6	5.1	651.8	4.5
298.2	7.9	376.4	6.8	450.9	5.8	545.7	5.1	655.0	4.5
299.9	7.8	378.5	6.8	451.8	5.7	547.3	5.1	657.9	4.5
301.5	7.8	379.8	6.7	453.3	5.7	548.8	5.1	659.9	4.5
303.7	7.8	381.8	6.7	455.4	5.7	550.6	5.1	664.2	4.5
303.7	7.7	383.6	6.7	456.2	5.8	552.5	5.1	666.1	4.5
305.4	7.7	385.0	6.7	457.8	5.8	555.0	5.1	669.2	4.5
307.1	7.7	385.6	6.7	460.1	5.8	557.3	5.1	671.8	4.5
308.9	7.7	386.4	6.6	462.1	5.7	559.1	5.1	673.9	4.5
310.8	7.7	388.1	6.6	463.9	5.7	560.7	5.1	677.4	4.5
312.6	7.7	390.2	6.6	466.4	5.7	561.5	5.0	680.2	4.5
314.6	7.7	391.9	6.6	468.0	5.6	563.4	5.0	682.8	4.5
315.6	7.6	393.5	6.6	469.2	5.6	565.8	5.0	685.5	4.4
315.9	7.5	395.5	6.5	469.6	5.5	567.3	5.0	688.5	4.4
316.6	7.5	397.0	6.6	470.8	5.5	569.3	5.0	691.1	4.4
318.1	7.5	397.7	6.5	473.0	5.5	571.1	5.0	693.4	4.4

STA 5 DAY: 10 TIME: 2125

DEPTH (m)	TEMP (°C)
695.3	4.4
698.2	4.4
700.6	4.4
702.4	4.4
704.2	4.4
705.9	4.4
708.0	4.4
710.1	4.4
711.7	4.4
713.9	4.4
715.5	4.4
718.6	4.4
721.5	4.4
724.7	4.4
727.0	4.4
729.4	4.4
731.5	4.4
733.0	4.4
735.1	4.4
737.8	4.4
740.5	4.4
742.9	4.4
745.4	4.4
748.0	4.4
749.8	4.3
752.5	4.3
755.4	4.3

STA 6 DAY: 10 TIME: 2156

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.2	13.8	63.1	13.9	104.3	13.9	181.5	11.7	247.9	9.1
0.6	13.9	63.6	14.0	105.1	13.8	182.2	11.7	248.6	9.1
1.1	14.0	63.7	14.0	106.2	13.7	183.6	11.6	249.6	9.0
10.0	13.9	63.7	14.2	107.6	13.7	185.1	11.6	251.1	9.0
13.1	14.0	64.0	14.3	109.6	13.6	186.2	11.6	252.5	8.9
16.2	14.0	64.2	14.5	110.8	13.6	187.2	11.6	253.1	8.9
19.3	13.9	64.9	14.7	111.6	13.5	188.2	11.5	254.3	8.8
23.5	13.9	65.0	14.8	112.4	13.5	190.3	11.4	255.9	8.8
26.6	13.9	65.5	15.0	112.9	13.4	192.6	11.4	258.5	8.8
29.0	13.9	65.5	15.1	113.9	13.3	193.9	11.4	260.2	8.8
29.8	14.0	66.0	15.2	114.6	13.2	194.6	11.3	261.1	8.8
30.4	14.1	66.8	15.3	115.8	13.1	195.2	11.2	262.3	8.7
30.7	14.2	67.8	15.4	116.8	13.0	195.8	11.1	263.6	8.7
31.0	14.3	69.6	15.4	117.2	13.0	196.9	11.1	265.5	8.6
31.2	14.4	71.7	15.4	118.1	12.9	197.4	11.0	266.6	8.6
31.7	14.5	72.9	15.4	119.5	12.8	197.5	10.9	267.7	8.5
32.8	14.5	73.6	15.5	121.4	12.8	198.9	10.9	268.9	8.5
34.2	14.5	74.1	15.5	122.9	12.7	200.8	10.9	270.1	8.4
34.5	14.6	74.8	15.6	124.9	12.7	202.1	10.8	271.3	8.4
35.5	14.6	76.0	15.6	126.9	12.6	203.6	10.7	272.4	8.4
35.5	14.5	77.1	15.6	129.3	12.6	204.6	10.7	273.7	8.3
35.6	14.4	78.5	15.7	131.6	12.6	205.2	10.6	274.9	8.2
36.1	14.3	80.5	15.7	133.8	12.6	206.4	10.6	275.4	8.2
36.5	14.2	81.4	15.6	135.2	12.6	207.4	10.5	277.1	8.1
37.2	14.2	82.1	15.6	136.4	12.5	208.6	10.5	278.4	8.1
38.2	14.1	83.1	15.5	137.1	12.5	210.9	10.4	278.8	8.0
38.9	14.1	83.6	15.5	139.5	12.5	212.9	10.4	279.5	7.9
39.7	14.1	83.7	15.4	141.6	12.4	214.6	10.3	280.9	7.9
40.3	14.1	84.5	15.4	143.4	12.4	216.0	10.2	282.4	7.9
40.7	14.1	84.9	15.3	145.7	12.3	217.7	10.2	283.5	7.9
41.7	14.1	85.4	15.2	147.3	12.3	219.8	10.2	285.3	7.9
42.7	14.1	86.1	15.2	150.4	12.3	221.6	10.2	286.2	7.9
43.3	14.1	86.8	15.2	152.9	12.3	223.8	10.2	287.2	7.8
44.1	14.1	87.3	15.2	154.2	12.3	224.8	10.1	287.9	7.8
45.6	14.1	89.1	15.2	154.4	12.2	225.9	10.1	290.2	7.8
47.3	14.1	90.4	15.1	156.2	12.2	227.4	10.0	291.5	7.7
48.8	14.1	92.0	15.1	158.1	12.2	229.5	10.0	293.6	7.7
50.6	14.1	93.1	15.0	158.9	12.1	232.1	10.0	295.1	7.7
51.5	14.1	93.8	14.9	160.9	12.1	233.3	10.0	296.4	7.7
52.4	14.1	94.4	14.7	163.3	12.1	234.1	9.8	297.9	7.7
53.8	14.1	95.1	14.6	164.1	12.0	234.7	9.7	299.3	7.7
55.5	14.1	95.8	14.5	165.2	11.9	235.4	9.5	301.7	7.7
56.2	14.1	96.2	14.4	167.5	11.9	236.9	9.5	303.0	7.7
56.6	14.0	97.3	14.3	169.6	11.9	237.7	9.4	303.6	7.6
57.0	13.9	98.2	14.3	171.0	11.9	238.5	9.3	304.9	7.6
57.2	13.8	98.8	14.2	172.3	11.8	239.5	9.3	306.2	7.6
57.8	13.7	99.6	14.1	174.1	11.8	241.4	9.3	306.9	7.6
59.5	13.7	101.0	14.0	175.7	11.8	243.2	9.3	307.6	7.5
60.4	13.8	102.4	14.0	177.1	11.8	244.7	9.2	308.8	7.5
62.3	13.8	103.4	13.9	178.9	11.8	246.0	9.2	310.7	7.4

STA 6 DAY: 10 TIME: 2156

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
311.9	7.4	387.7	6.0
313.5	7.4	388.4	6.0
316.0	7.3	390.8	6.0
317.6	7.3	392.4	6.0
320.0	7.3	394.0	5.9
322.5	7.3	396.6	5.9
324.9	7.3	398.7	5.9
327.1	7.3	400.7	5.9
329.0	7.3	402.6	5.9
330.4	7.2	403.9	5.9
332.8	7.2	405.6	5.9
334.3	7.2	407.7	5.9
335.6	7.1	409.1	5.9
337.3	7.1	411.8	5.9
339.3	7.1	414.4	5.9
340.4	7.1	417.2	5.9
340.9	7.1	419.0	5.9
342.2	7.0	420.5	5.9
343.3	7.0	423.3	5.9
345.0	6.9	426.6	5.9
346.1	6.9	428.5	5.9
348.8	6.9	430.5	5.9
349.7	6.9	432.0	5.9
351.0	6.9	434.0	5.9
351.1	6.8	435.8	5.9
352.3	6.8	438.0	5.9
354.2	6.8	439.7	5.8
355.0	6.8	440.7	5.9
356.2	6.7	442.4	5.9
357.2	6.6	444.8	5.9
357.7	6.6	446.4	5.9
358.6	6.5	448.2	5.9
359.7	6.5	449.8	5.9
361.0	6.4	451.2	5.9
362.5	6.4	452.8	5.8
363.6	6.4	453.3	5.8
364.9	6.2	454.2	5.8
365.9	6.2	455.9	5.7
366.8	6.1	457.3	5.7
368.3	6.1	460.2	5.7
370.2	6.1	460.4	5.7
372.3	6.1	462.5	5.7
373.6	6.1		
375.7	6.1		
377.4	6.1		
379.9	6.1		
380.8	6.1		
382.7	6.0		
384.1	6.0		
386.0	6.0		

STA 7 DAY: 10 TIME: 2225

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
4.9	14.8	59.4	13.7	118.0	14.3	174.3	11.7
6.8	14.8	60.6	13.7	119.6	14.3	175.0	11.6
9.2	14.8	62.1	13.7	122.4	14.3	176.3	11.6
10.0	14.8	63.2	13.6	123.1	14.3	177.8	11.6
10.4	14.8	63.8	13.6	124.1	14.2		
11.4	14.8	64.5	13.6	125.7	14.1		
12.7	14.8	65.1	13.5	126.9	14.0		
14.4	14.8	66.2	13.5	127.9	14.0		
16.1	14.8	67.4	13.5	129.8	13.9		
17.8	14.8	68.4	13.5	131.1	13.8		
18.9	14.8	69.0	13.5	131.5	13.7		
20.0	14.8	70.4	13.6	133.3	13.7		
21.4	14.8	71.9	13.6	135.4	13.6		
22.9	14.8	72.8	13.6	136.1	13.6		
24.6	14.8	74.2	13.5	137.0	13.5		
26.2	14.8	75.1	13.5	137.7	13.4		
27.6	14.8	75.9	13.5	138.0	13.3		
28.9	14.8	77.7	13.4	138.5	13.1		
29.9	14.8	78.2	13.4	138.8	13.1		
31.0	14.8	78.6	13.4	140.0	13.0		
32.5	14.8	79.5	13.3	140.2	13.0		
34.7	14.8	80.7	13.3	140.7	12.9		
35.6	14.8	82.5	13.3	142.6	12.8		
36.1	14.7	84.6	13.2	143.6	12.8		
37.3	14.7	85.8	13.2	145.3	12.7		
38.4	14.7	87.9	13.2	146.9	12.7		
39.4	14.7	89.6	13.2	148.0	12.6		
40.6	14.7	90.7	13.2	148.8	12.5		
41.7	14.7	92.2	13.3	150.8	12.5		
42.9	14.6	92.9	13.3	151.9	12.5		
44.3	14.6	93.4	13.4	152.3	12.4		
45.3	14.6	93.7	13.5	153.3	12.3		
46.2	14.6	94.8	13.6	155.1	12.3		
47.0	14.5	95.7	13.6	155.3	12.2		
47.6	14.5	96.8	13.7	155.4	12.2		
48.1	14.5	97.6	13.9	156.3	12.2		
48.9	14.4	97.9	14.0	156.5	12.1		
49.3	14.4	98.2	14.1	156.8	12.0		
51.5	14.4	98.8	14.2	157.1	12.0		
52.2	14.3	101.2	14.3	159.2	12.0		
53.0	14.2	103.4	14.3	161.1	12.0		
53.8	14.1	103.8	14.2	162.9	12.0		
54.1	14.0	105.2	14.3	164.2	12.0		
55.0	13.9	106.8	14.3	166.4	12.0		
55.7	13.9	108.4	14.3	168.1	11.9		
55.8	13.8	109.4	14.3	169.4	11.9		
56.1	13.8	111.3	14.3	170.1	11.8		
56.8	13.8	112.9	14.3	171.4	11.8		
58.0	13.8	114.5	14.3	172.7	11.8		
58.3	13.7	116.2	14.3	173.6	11.7		

STA 8 DAY: 12 TIME: 1433

DEPTH (m)	TEMP (°C)
8.4	11.1
10.3	11.1
12.0	11.1
14.2	11.1
15.8	11.1
18.3	11.0
19.3	11.0
20.3	11.0
23.0	10.9
25.9	10.9
28.0	10.9
29.9	10.9
30.8	10.9
32.9	10.9
33.9	10.8
34.3	10.8
35.4	10.7
37.4	10.7
38.5	10.7
39.1	10.6
40.0	10.6
41.5	10.5
43.3	10.5
45.4	10.5
45.7	10.5
46.0	10.4
47.1	10.4
49.7	10.4
51.5	10.4
53.6	10.3
55.4	10.3
57.5	10.3
59.6	10.3
61.2	10.4
62.8	10.4
64.0	10.5
66.0	10.5
68.4	10.5
70.7	10.5
73.1	10.5
75.8	10.6
77.2	10.6
79.4	10.6
82.1	10.6
84.5	10.6
86.8	10.6
88.4	10.6
90.3	10.6

STA 9 DAY: 12 TIME: 1458

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
4.8	11.2	93.4	10.3
6.4	11.2	96.3	10.3
7.9	11.2	97.7	10.3
9.4	11.2	98.8	10.2
11.4	11.2	101.3	10.2
14.0	11.2	104.0	10.2
15.7	11.2	105.7	10.2
17.8	11.2	106.8	10.3
20.1	11.2	108.5	10.3
22.2	11.2	109.4	10.4
24.8	11.2	110.1	10.5
27.6	11.2	110.6	10.7
28.5	11.2	111.2	10.8
30.1	11.1	111.8	10.9
32.5	11.1	113.0	10.9
35.0	11.1		
37.5	11.1		
39.8	11.1		
42.1	11.1		
43.7	11.1		
46.1	11.1		
47.7	11.0		
49.0	10.9		
50.6	10.8		
52.0	10.7		
53.5	10.6		
55.1	10.5		
56.6	10.4		
58.4	10.2		
59.4	10.1		
60.6	10.1		
62.7	10.1		
65.2	10.0		
66.9	9.9		
68.5	9.9		
69.9	9.9		
71.5	9.9		
73.4	9.9		
74.8	9.9		
75.8	10.0		
76.8	10.1		
77.6	10.2		
78.8	10.2		
80.0	10.3		
81.5	10.3		
83.6	10.3		
85.8	10.3		
87.6	10.3		
89.6	10.3		
91.5	10.3		

STA 10 DAY: 12 TIME: 1511

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
5.9	11.3	59.5	11.2	102.4	10.1	147.0	12.0
7.0	11.3	60.4	11.1	102.7	10.2	147.3	11.8
8.0	11.3	61.4	11.1	102.9	10.3	147.6	11.6
9.5	11.3	62.2	11.0	103.9	10.3	147.7	11.5
11.2	11.3	62.8	10.9	104.8	10.4	148.3	11.4
11.5	11.3	63.4	10.8	105.3	10.4	148.5	11.3
12.1	11.3	63.5	10.6	107.0	10.4	149.2	11.3
12.3	11.5	64.7	10.6	107.4	10.5	149.7	11.1
12.6	12.0	65.4	10.5	107.7	10.6	150.8	11.0
12.5	12.2	66.5	10.4	108.2	10.7	151.4	10.8
13.0	12.2	67.5	10.3	109.1	10.8	153.0	10.8
13.3	12.5	68.4	10.2	109.6	10.8	153.9	10.7
13.8	13.0	69.0	10.1	110.0	10.9	155.7	10.6
13.8	13.5	69.1	10.0	110.5	11.0	157.2	10.6
13.6	13.7	69.7	9.9	110.5	11.1	158.8	10.6
13.9	13.5	71.0	9.9	110.8	11.2	160.4	10.6
14.2	13.0	71.9	9.8	111.1	11.2	162.1	10.6
14.3	12.5	73.3	9.8	111.9	11.3	163.7	10.6
15.2	12.2	74.6	9.7	112.4	11.3	164.6	10.6
15.4	12.1	76.7	9.7	113.7	11.4	166.1	10.6
15.6	12.0	77.8	9.8	115.0	11.4	166.9	10.5
16.4	11.9	78.7	9.8	115.2	11.4	168.2	10.5
17.7	11.9	79.7	9.9	116.2	11.5	170.0	10.4
18.8	11.7	80.1	10.0	116.6	11.6	170.9	10.4
18.9	11.6	80.4	10.1	116.9	11.6	171.8	10.3
20.0	11.6	81.4	10.1	117.9	11.6	172.7	10.2
20.8	11.6	82.0	10.1	118.9	11.6	173.3	10.1
21.5	11.5	82.7	10.2	120.2	11.8	175.1	10.1
22.5	11.5	83.1	10.2	120.9	11.9	176.3	10.0
24.2	11.4	83.6	10.2	121.4	12.0	176.9	10.0
26.0	11.4	84.1	10.1	121.8	12.1	179.7	10.0
29.0	11.4	85.3	10.1	123.9	12.1	182.5	10.0
30.3	11.4	85.7	10.2	125.0	12.2	184.5	9.9
32.2	11.4	86.4	10.2	126.0	12.3	188.2	9.9
35.9	11.4	87.2	10.2	126.9	12.4	189.1	9.8
37.9	11.4	88.1	10.2	128.5	12.4	190.9	9.7
40.1	11.3	89.4	10.3	130.0	12.5	191.3	9.6
41.1	11.3	90.8	10.3	131.6	12.6	192.1	9.5
42.9	11.3	92.1	10.3	133.6	12.5	192.3	9.4
45.0	11.3	92.7	10.2	136.7	12.6	193.1	9.4
46.5	11.3	93.7	10.2	138.5	12.6	193.8	9.3
47.2	11.2	95.1	10.2	140.3	12.7	194.2	9.3
48.5	11.2	96.0	10.2	141.8	12.7	195.6	9.2
50.1	11.1	96.7	10.2	142.6	12.8	196.6	9.1
52.2	11.1	97.2	10.1	143.8	12.8	199.1	9.1
53.4	11.1	98.1	10.1	144.1	12.7	200.8	9.1
55.0	11.1	98.8	10.1	145.0	12.7	202.0	9.1
56.3	11.1	98.9	10.0	145.9	12.6	202.9	9.1
58.0	11.1	99.8	10.0	146.0	12.5	203.8	9.1
58.2	11.2	101.3	10.0	146.7	12.2	204.0	9.0

STA 11 DAY: 11 TIME: 1521

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
5.5	11.3	65.8	9.9	107.4	10.6	156.7	11.4	201.3	8.8
7.4	11.3	66.1	9.8	107.9	10.6	157.1	11.3	202.8	8.7
9.1	11.3	66.7	9.7	108.4	10.7	157.9	11.2	203.3	8.7
11.2	11.3	68.0	9.6	109.0	10.8	158.3	11.1	204.2	8.7
12.6	11.3	68.8	9.5	110.0	10.9	160.0	11.1	205.2	8.6
14.4	11.3	68.9	9.4	110.2	11.0	161.3	11.1	206.1	8.6
15.7	11.3	70.7	9.4	110.8	11.1	161.8	11.0	207.1	8.5
17.2	11.3	72.0	9.4	111.3	11.1	162.4	11.0	208.8	8.5
19.3	11.3	73.6	9.4	112.3	11.2	163.2	10.9	210.9	8.5
20.2	11.3	74.3	9.4	112.8	11.3	164.2	10.8	212.6	8.5
21.0	11.2	76.0	9.4	113.5	11.4	164.3	10.7	214.5	8.5
21.5	11.2	77.2	9.4	114.8	11.5	165.1	10.6	216.9	8.5
22.9	11.1	78.3	9.3	116.5	11.6	165.9	10.5	217.9	8.5
25.1	11.1	79.3	9.4	118.1	11.7	166.3	10.5	219.4	8.5
26.7	11.1	79.7	9.4	118.2	11.8	168.0	10.5	221.4	8.4
28.5	11.1	80.7	9.5	119.1	11.9	169.9	10.5	222.1	8.4
30.6	11.1	81.3	9.6	120.8	11.9	171.3	10.5	223.6	8.4
32.5	11.1	81.8	9.6	122.2	11.9	172.7	10.5	224.4	8.3
33.7	11.1	82.0	9.7	124.5	12.0	173.3	10.4	225.6	8.3
34.4	11.0	82.3	9.8	125.6	12.0	174.0	10.3	227.4	8.3
35.0	11.0	82.5	9.9	126.5	12.1	175.0	10.3	229.4	8.3
36.5	10.9	82.7	9.9	127.1	12.2	175.9	10.3	230.8	8.2
38.5	10.9	83.4	9.8	127.4	12.4	176.3	10.2	233.1	8.2
39.7	10.9	84.1	9.9	128.0	12.5	176.7	10.1	235.2	8.2
41.3	10.9	84.6	9.9	128.9	12.6	178.4	10.1	237.7	8.2
42.7	11.0	85.8	9.8	131.0	12.7	179.6	10.1	239.8	8.2
44.6	10.9	86.6	9.8	133.5	12.7	180.6	10.1	241.6	8.2
46.3	10.9	87.4	9.8	135.2	12.7	181.2	10.1	243.2	8.2
47.5	10.9	88.2	9.9	137.3	12.7	181.5	10.0	245.3	8.2
48.5	10.9	89.3	9.9	138.7	12.7	182.0	9.9	246.6	8.2
49.9	10.9	90.1	9.9	139.3	12.6	183.0	9.9	247.2	8.2
50.8	10.9	90.3	9.8	140.1	12.5	183.6	9.9	248.1	8.1
52.1	10.8	91.3	9.8	140.6	12.5	184.6	9.8	248.7	8.1
53.7	10.8	91.7	9.8	141.7	12.4	184.9	9.7	249.8	8.1
55.4	10.8	92.9	9.7	142.4	12.4	185.5	9.6	251.7	8.1
57.1	10.8	93.8	9.8	143.8	12.4	185.9	9.5	252.8	8.0
58.2	10.8	95.4	9.8	144.6	12.3	186.3	9.5	254.0	8.0
59.1	10.8	97.6	9.8	145.3	12.2	186.8	9.4	254.8	8.0
59.8	10.7	99.4	9.8	146.0	12.1	187.2	9.2	255.7	8.0
60.0	10.6	100.6	9.8	146.4	12.0	188.5	9.1		
60.7	10.5	101.2	9.8	147.2	12.0	189.9	9.1		
61.9	10.5	101.6	9.9	147.7	11.9	191.3	9.1		
62.5	10.5	102.9	9.9	148.9	11.8	192.6	9.1		
62.8	10.4	104.0	10.0	150.6	11.8	194.1	9.0		
63.2	10.3	104.3	10.1	151.3	11.8	194.9	8.9		
63.4	10.3	104.7	10.2	152.0	11.7	195.7	8.9		
64.2	10.2	105.3	10.3	152.9	11.6	197.0	8.8		
64.9	10.1	105.7	10.4	153.9	11.5	197.8	8.8		
65.2	10.1	106.5	10.4	154.8	11.4	198.7	8.7		
65.5	10.0	107.0	10.5	155.6	11.4	199.6	8.7		

STA 12 DAY: 12 TIME: 1548

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.5	16.6	57.9	10.3	104.4	10.7	146.4	12.2	185.7	9.7
0.4	16.5	58.3	10.2	105.2	10.7	146.7	12.1	187.0	9.6
0.8	16.0	58.7	10.1	107.2	10.8	147.0	12.0	188.1	9.6
0.7	15.5	60.3	10.1	108.9	10.9	147.6	11.9	188.9	9.6
0.8	15.0	60.8	10.0	109.7	11.0	148.4	11.9	189.9	9.5
0.9	14.5	61.3	9.9	111.0	11.1	149.3	11.9	190.5	9.5
1.0	14.0	61.7	9.9	111.3	11.1	150.7	11.9	191.6	9.4
1.2	13.5	62.3	9.8	112.6	11.1	152.6	11.8	193.0	9.4
1.0	13.0	62.7	9.7	113.2	11.3	154.2	11.8	193.8	9.4
1.3	12.5	63.2	9.6	113.8	11.4	155.2	11.8	194.7	9.2
1.0	12.0	64.3	9.6	114.1	11.5	155.6	11.7	195.4	9.1
1.5	11.5	65.4	9.6	114.2	11.6	156.4	11.6	196.4	9.0
1.7	11.3	65.9	9.6	114.9	11.6	157.2	11.6	197.5	8.9
3.4	11.3	66.6	9.5	115.3	11.7	157.9	11.6	198.6	8.9
4.9	11.3	67.9	9.4	116.3	11.7	158.1	11.5	199.8	8.8
7.0	11.2	69.4	9.4	116.9	11.8	159.0	11.4	200.6	8.8
8.7	11.2	71.6	9.4	117.8	11.8	159.8	11.4	202.6	8.7
9.8	11.2	72.9	9.4	118.9	11.8	160.2	11.3	204.3	8.7
10.9	11.2	73.7	9.4	119.8	11.9	161.0	11.3	206.0	8.6
11.6	11.3	74.6	9.4	120.5	11.9	162.1	11.2	207.6	8.5
13.5	11.3	75.8	9.4	120.6	12.0	162.5	11.2	208.9	8.5
14.8	11.2	77.2	9.4	122.9	12.0	162.9	11.1	210.8	8.4
16.5	11.2	77.8	9.4	124.2	12.0	163.8	11.1	213.3	8.4
18.0	11.2	78.2	9.5	125.8	12.0	164.5	11.0	215.6	8.4
19.4	11.1	78.8	9.6	126.3	12.0	165.2	11.0	217.5	8.4
21.6	11.1	79.3	9.7	128.0	12.1	167.1	11.0	220.6	8.4
24.1	11.1	80.5	9.8	128.9	12.1	168.0	10.9	222.5	8.4
25.9	11.1	81.5	9.8	129.1	12.3	168.6	10.8	224.5	8.4
27.9	11.1	83.0	9.8	129.4	12.4	169.1	10.8	226.8	8.4
30.7	11.1	83.5	9.8	129.6	12.5	169.5	10.7	228.7	8.4
31.2	11.1	84.2	9.7	129.8	12.5	170.1	10.6	230.7	8.4
31.9	11.1	84.8	9.7	130.3	12.6	171.0	10.6	232.1	8.4
33.2	11.0	85.3	9.6	131.2	12.6	171.4	10.5	233.7	8.4
34.0	11.0	86.4	9.7	131.6	12.7	171.5	10.4	235.1	8.4
35.7	11.0	87.3	9.7	133.1	12.7	172.1	10.4	236.9	8.4
38.0	11.0	87.5	9.7	134.5	12.7	173.4	10.4	238.1	8.3
39.9	11.0	87.9	9.7	135.8	12.7	175.0	10.4	239.1	8.3
41.6	11.0	88.7	9.8	137.3	12.7	175.8	10.3	240.1	8.3
43.9	11.0	90.3	9.8	138.2	12.7	176.2	10.2	241.6	8.3
46.1	11.0	91.8	9.8	138.6	12.6	176.6	10.1	243.2	8.2
48.4	11.0	93.5	9.8	139.3	12.6	177.7	10.1	244.9	8.2
49.9	11.0	95.5	9.8	139.9	12.6	178.0	10.1	247.4	8.2
51.2	11.0	97.7	9.8	140.8	12.5	178.1	10.0	248.8	8.2
52.3	10.9	98.1	9.9	142.0	12.5	178.6	9.9	250.6	8.2
53.2	10.8	99.1	10.1	143.3	12.5	179.7	9.9	252.8	8.2
54.4	10.7	99.8	10.1	144.5	12.5	180.9	9.9	254.3	8.2
55.3	10.6	100.9	10.3	144.7	12.4	182.0	9.8	256.2	8.2
56.0	10.5	101.6	10.4	145.4	12.4	182.5	9.8	257.6	8.2
56.5	10.4	102.3	10.5	145.9	12.3	183.8	9.8	259.3	8.2
57.2	10.4	103.1	10.6	146.2	12.2	185.4	9.7	261.2	8.2

STA 13 DAY: 12 TIME: 1602

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.3	11.4	48.7	11.1	98.6	10.4	140.3	12.9	183.1	11.0
0.4	11.3	50.8	11.1	99.0	10.5	141.5	12.9	184.1	11.0
1.4	11.3	51.5	11.0	100.5	10.6	142.6	12.9	184.4	10.9
3.3	11.3	52.5	11.0	100.8	10.8	143.8	12.9	184.8	10.9
4.0	11.3	53.0	10.9	101.0	10.8	144.4	12.8	185.3	10.8
4.0	11.4	53.5	10.8	102.1	10.8	145.1	12.7	186.2	10.8
5.1	11.4	54.1	10.8	102.5	10.9	146.0	12.7	187.2	10.8
5.4	11.5	54.7	10.6	102.6	11.0	146.6	12.6	188.1	10.8
6.5	11.5	55.1	10.5	103.1	11.1	147.3	12.5	188.9	10.7
7.3	11.6	55.5	10.4	104.0	11.1	148.3	12.5	189.3	10.6
7.6	11.7	56.3	10.4	105.1	11.1	149.1	12.4	190.7	10.6
7.8	11.8	56.8	10.3	105.8	11.2	149.7	12.4	191.8	10.6
7.7	11.8	57.3	10.3	105.8	11.3	150.9	12.3	192.8	10.6
8.3	11.8	58.0	10.2	107.0	11.3	151.9	12.3	194.1	10.6
8.6	11.7	58.1	10.1	108.1	11.3	152.6	12.2	195.0	10.6
8.9	11.6	58.9	10.1	109.4	11.3	153.4	12.1	195.3	10.5
9.7	11.7	59.1	10.0	110.3	11.4	154.1	12.1	195.6	10.5
10.0	11.7	60.8	9.9	111.6	11.3	155.9	12.1	196.4	10.4
10.2	11.9	61.3	9.8	112.5	11.4	157.4	12.1	196.8	10.4
10.5	11.9	62.3	9.7	113.0	11.4	158.5	12.1	197.8	10.3
10.8	12.0	63.3	9.7	114.7	11.5	159.5	12.0	198.9	10.2
11.2	12.0	64.0	9.6	115.5	11.5	160.9	12.0	199.1	10.1
11.6	11.9	65.4	9.6	116.1	11.6	161.8	12.0	200.0	10.1
12.2	11.8	66.6	9.6	116.7	11.7	162.4	12.0	201.0	10.0
13.8	11.8	68.0	9.6	117.5	11.7	162.8	11.9	202.2	10.0
14.4	11.8	69.4	9.6	118.2	11.8	163.1	11.9	204.0	10.0
14.8	11.7	70.8	9.6	119.4	11.9	164.7	11.9	205.6	9.9
15.3	11.7	72.5	9.6	119.9	11.9	166.1	11.9	207.4	9.9
15.8	11.6	74.1	9.6	120.3	12.0	167.5	11.9	208.8	9.9
16.5	11.6	75.4	9.6	121.3	12.0	169.0	11.9	210.0	9.9
16.9	11.5	76.6	9.6	122.2	12.0	170.5	11.9	211.2	9.9
18.4	11.5	78.1	9.6	122.7	12.1	171.7	11.9	213.0	9.9
19.1	11.4	79.4	9.6	123.2	12.1	172.7	11.9	214.3	9.9
20.0	11.4	80.9	9.6	124.7	12.2	173.2	11.8	216.0	9.9
21.7	11.4	82.6	9.6	125.3	12.3	173.2	11.7	217.3	9.8
23.0	11.3	83.4	9.6	125.8	12.3	173.7	11.6	218.2	9.8
25.0	11.3	83.8	9.7	126.8	12.4	174.1	11.6	219.8	9.7
26.3	11.3	84.2	9.8	127.3	12.4	174.2	11.5	220.3	9.6
27.5	11.3	85.0	9.9	127.4	12.5	174.5	11.5	222.6	9.6
30.3	11.3	85.5	9.9	128.6	12.5	175.1	11.4	224.7	9.6
31.7	11.3	87.3	9.9	130.3	12.5	175.1	11.3	226.1	9.6
33.0	11.3	88.8	10.0	131.9	12.6	175.8	11.3	226.2	9.6
33.8	11.2	90.1	10.0	133.6	12.6	176.2	11.3	228.5	9.6
35.8	11.2	91.3	10.1	134.9	12.6	177.1	11.2	228.7	9.5
37.5	11.2	92.9	10.1	135.3	12.6	178.2	11.2	228.7	9.4
39.0	11.2	94.3	10.1	135.9	12.7	179.0	11.1	229.6	9.4
40.8	11.2	95.9	10.1	136.9	12.7	179.9	11.1	230.0	9.3
42.9	11.2	96.4	10.2	137.7	12.7	180.2	11.1	230.3	9.2
45.1	11.2	96.9	10.3	138.6	12.8	180.8	11.1	232.4	9.2
47.4	11.2	98.2	10.4	139.1	12.8	181.9	11.0	234.3	9.2

STA 13 DAY: 12 TIME: 1602

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
236.1	9.2	305.8	7.8
237.9	9.2	306.6	7.8
238.8	9.2	308.7	7.8
239.8	9.1	309.9	7.8
241.0	9.1	311.2	7.7
242.9	9.1	313.8	7.7
244.3	9.1	315.6	7.7
245.8	9.1	317.9	7.7
247.3	9.1	319.5	7.7
247.8	9.1	320.4	7.7
248.9	9.0	322.0	7.7
249.3	9.0	323.7	7.6
249.9	8.9	324.6	7.6
251.3	8.9	324.8	7.4
253.7	8.8	326.2	7.4
255.1	8.8	328.2	7.4
256.7	8.8	330.5	7.4
257.8	8.8	332.4	7.4
259.5	8.7	334.9	7.4
261.0	8.7	336.7	7.3
262.3	8.7	338.9	7.3
263.4	8.7	340.7	7.3
264.9	8.7	341.1	7.2
265.3	8.6	342.2	7.2
266.4	8.6	342.6	7.2
267.9	8.5		
269.1	8.5		
270.7	8.5		
271.8	8.4		
273.1	8.4		
273.9	8.3		
275.1	8.1		
276.1	8.1		
276.8	8.0		
279.5	8.0		
282.1	8.0		
284.0	8.0		
287.1	8.0		
289.0	8.0		
290.2	8.0		
291.6	8.0		
294.0	8.0		
294.6	7.9		
295.4	7.9		
296.2	7.8		
297.3	7.8		
299.4	7.8		
301.1	7.8		
302.2	7.8		
304.0	7.8		

STA 14 DAY: 12 TIME: 1612

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.5	11.5	58.0	13.3	102.7	10.7	142.0	12.5	189.2	11.3
0.9	11.3	58.3	13.2	104.2	10.8	143.8	12.5	191.0	11.3
1.5	11.3	58.3	13.1	105.2	10.8	145.6	12.5	192.6	11.2
4.4	11.3	59.0	13.1	106.0	10.9	146.8	12.5	194.2	11.2
6.8	11.3	59.3	13.1	106.6	11.0	148.2	12.5	195.9	11.2
8.9	11.3	59.5	13.0	107.5	11.1	149.5	12.5	197.3	11.2
11.7	11.3	60.1	13.0	108.5	11.1	151.2	12.5	198.3	11.2
14.1	11.3	60.7	12.9	109.7	11.2	152.6	12.5	200.1	11.1
16.6	11.3	61.1	12.9	110.5	11.2	153.8	12.5	200.8	11.1
18.5	11.3	61.5	12.8	110.9	11.3	154.2	12.4	201.6	11.1
20.9	11.3	62.2	12.8	111.4	11.4	154.4	12.3	203.0	11.1
23.5	11.3	62.5	12.7	111.8	11.5	154.7	12.3	204.5	11.1
26.2	11.3	62.7	12.6	112.0	11.6	155.4	12.3	205.2	11.0
28.5	11.2	63.6	12.6	113.7	11.6	156.2	12.2	205.6	10.9
29.4	11.2	64.6	12.5	114.4	11.6	157.2	12.1	206.1	10.9
30.4	11.2	65.9	12.5	115.7	11.8	158.0	12.1	207.3	10.9
32.4	11.2	67.8	12.4	116.8	11.8	158.4	12.1	207.9	10.8
34.3	11.1	68.7	12.4	117.8	11.9	158.8	12.0	208.6	10.8
36.3	11.1	70.0	12.4	118.8	11.9	159.7	12.0	209.4	10.7
37.3	11.1	71.3	12.3	119.7	11.9	160.8	11.9	211.2	10.7
39.5	11.1	73.0	12.3	121.2	12.0	162.1	11.9	212.5	10.7
40.7	11.1	74.7	12.3	122.1	12.1	163.2	11.9	213.9	10.7
41.8	11.0	74.8	12.1	123.2	12.2	164.6	11.9	215.0	10.6
42.7	11.0	75.2	12.0	124.0	12.2	165.2	11.9	215.9	10.6
43.3	11.0	75.4	11.8	124.7	12.3	165.9	11.8	217.2	10.6
44.4	11.0	75.8	11.6	125.1	12.4	166.7	11.8	218.3	10.6
45.7	11.0	76.1	11.5	126.2	12.5	167.9	11.8	219.6	10.6
46.1	11.1	76.3	11.4	128.1	12.6	168.9	11.8	220.8	10.6
46.7	11.1	77.1	11.3	129.4	12.6	169.8	11.8	221.6	10.5
47.5	11.2	77.4	11.2	129.9	12.7	170.2	11.7	221.9	10.5
47.8	11.3	77.9	11.0	130.3	12.7	170.6	11.6	222.5	10.4
48.0	11.4	78.5	10.8	132.1	12.8	171.0	11.6	223.6	10.4
48.3	11.5	78.7	10.6	132.4	12.8	171.3	11.6	224.3	10.3
48.7	11.5	78.7	10.5	133.0	12.9	172.3	11.6	224.6	10.2
49.0	11.6	79.1	10.4	133.5	13.0	173.6	11.6	225.3	10.1
49.4	11.8	80.1	10.4	134.1	13.0	174.8	11.6	225.8	10.1
49.9	12.0	81.6	10.4	134.5	13.0	175.3	11.5	226.1	10.0
50.1	12.2	83.8	10.4	134.9	12.9	175.9	11.5	226.7	9.8
50.3	12.4	85.1	10.3	135.4	12.9	176.7	11.5	227.1	9.7
50.2	12.6	86.9	10.3	135.6	12.9	178.2	11.5	228.5	9.7
50.5	12.8	89.1	10.3	135.7	12.9	179.1	11.5	228.9	9.6
50.9	13.0	91.1	10.3	136.2	12.9	179.9	11.5	228.9	9.5
51.1	13.2	93.1	10.3	136.7	12.8	180.7	11.5	230.0	9.5
51.7	13.4	95.5	10.3	137.3	12.8	181.1	11.4	230.6	9.4
52.6	13.4	97.3	10.3	138.2	12.7	182.9	11.4	232.1	9.3
53.8	13.4	97.7	10.4	138.9	12.7	184.8	11.4	234.0	9.3
54.2	13.4	99.3	10.4	139.5	12.6	186.1	11.4	235.2	9.3
54.6	13.3	100.4	10.5	140.3	12.6	187.5	11.4	237.0	9.2
56.0	13.3	100.8	10.6	140.8	12.6	188.1	11.4	238.3	9.2
57.3	13.3	101.2	10.7	141.4	12.5	188.6	11.3	239.1	9.1

STA 14 DAY: 12 TIME: 1612

DEPTH (m)	TEMP (°C)
239.9	9.1
240.8	9.0
241.8	9.0
242.4	9.0
242.6	8.9
243.2	8.9
244.3	8.8
245.3	8.7
246.4	8.7
247.7	8.7
249.3	8.6
250.9	8.6
251.7	8.6
252.6	8.6
254.1	8.5
255.2	8.5
257.1	8.5
258.5	8.4
259.3	8.4
260.7	8.4
262.2	8.4
264.0	8.4
265.6	8.4
266.2	8.3
267.9	8.3
269.1	8.3
271.0	8.3
273.3	8.3
275.2	8.3
277.0	8.3
278.5	8.3
279.6	8.3
280.4	8.3
281.4	8.2
282.0	8.1
282.5	8.1
283.3	8.0
284.9	8.0
286.4	7.9
287.4	7.9
288.3	7.9
289.0	7.8
289.4	7.8

STA 15 DAY: 12 TIME: 1630

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	12.0	41.1	12.0	56.1	10.3	72.1	13.0	97.0	14.3
0.3	11.8	41.8	12.1	56.9	10.3	72.4	13.0	98.4	14.3
0.7	11.6	41.9	12.2	57.9	10.3	72.7	13.1	99.2	14.2
1.1	11.6	42.3	12.3	58.8	10.4	72.9	13.1	100.0	14.2
1.5	11.5	42.5	12.4	59.1	10.4	73.3	13.1	100.7	14.3
1.8	11.5	42.7	12.5	59.8	10.4	73.5	13.1	101.6	14.2
3.6	11.5	42.7	12.6	60.3	10.5	73.6	13.0	102.0	14.2
5.2	11.5	42.9	12.6	60.8	10.5	73.6	13.0	102.7	14.2
6.0	11.5	43.4	12.6	61.6	10.6	74.2	12.9	103.4	14.2
6.1	11.5	44.3	12.6	62.2	10.6	74.6	12.8	104.4	14.2
6.3	11.6	44.5	12.5	62.6	10.7	74.8	12.8	104.9	14.2
7.6	11.6	44.7	12.5	63.1	10.7	75.1	12.7	105.5	14.2
8.7	11.6	45.0	12.5	63.6	10.8	75.3	12.6	106.0	14.2
9.9	11.6	45.3	12.4	63.8	10.9	75.3	12.6	106.4	14.1
10.2	11.5	45.6	12.3	64.6	11.0	75.4	12.5	106.8	14.0
10.9	11.5	45.9	12.2	65.2	11.1	75.6	12.5	106.9	13.9
12.1	11.5	46.3	12.2	65.5	11.1	75.8	12.5	107.2	13.9
13.4	11.5	46.8	12.1	65.6	11.3	76.7	12.5	107.3	13.8
14.6	11.5	47.4	12.1	65.9	11.4	76.7	12.5	107.7	13.8
16.2	11.5	47.8	12.1	66.1	11.5	77.2	12.6	108.0	13.7
17.6	11.5	47.9	12.0	66.2	11.6	77.8	12.7	108.7	13.7
19.1	11.5	48.0	12.0	66.7	11.7	78.1	12.7	109.3	13.7
21.1	11.5	48.6	11.9	66.6	11.8	78.6	12.8	110.3	13.7
22.4	11.5	48.7	11.9	66.9	11.9	79.3	12.9	111.1	13.7
22.9	11.4	48.7	11.8	66.9	11.9	79.4	12.9	111.4	13.6
23.9	11.4	49.0	11.8	67.0	12.0	79.6	13.0	111.7	13.6
25.0	11.4	49.4	11.7	67.1	12.1	79.8	13.0	112.3	13.5
26.2	11.3	49.7	11.6	67.6	12.2	80.4	13.2	113.0	13.5
27.4	11.3	50.0	11.6	67.7	12.4	81.4	13.2	113.5	13.5
28.6	11.3	50.1	11.5	67.7	12.5	82.3	13.2	114.0	13.4
29.2	11.3	50.3	11.5	67.6	12.6	82.7	13.4	114.4	13.4
30.0	11.3	50.5	11.4	67.7	12.7	83.3	13.5	115.1	13.4
30.6	11.2	50.5	11.3	68.1	12.8	83.4	13.6	115.8	13.4
31.4	11.1	50.7	11.3	68.3	12.8	83.8	13.7	116.6	13.4
32.8	11.1	51.3	11.2	68.5	12.9	84.3	13.7	117.2	13.4
34.1	11.1	51.5	11.1	68.8	13.1	85.0	13.7	117.8	13.4
35.1	11.1	51.8	11.1	69.1	13.1	86.5	13.7	118.7	13.4
35.9	11.1	52.0	11.1	69.0	13.2	87.2	13.7	119.7	13.4
36.3	11.1	52.2	11.0	69.1	13.3	88.3	13.6	120.8	13.4
36.8	11.2	52.6	10.9	69.3	13.3	88.9	13.6	121.8	13.3
37.1	11.2	52.9	10.9	69.8	13.3	89.8	13.6	122.7	13.3
37.9	11.3	53.0	10.8	70.2	13.4	90.8	13.6	123.4	13.4
38.3	11.3	53.1	10.7	70.5	13.4	91.4	13.7	123.8	13.3
38.6	11.4	53.4	10.6	70.8	13.4	91.8	13.8	124.7	13.3
39.2	11.4	53.8	10.5	70.9	13.3	92.3	14.0	126.0	13.3
39.3	11.5	54.1	10.5	71.1	13.3	92.5	14.0	126.4	13.3
39.6	11.6	54.5	10.4	71.3	13.2	93.0	14.1	127.7	13.2
40.2	11.7	55.0	10.4	71.4	13.1	93.3	14.2	129.1	13.2
40.6	11.8	55.6	10.4	71.7	13.1	94.5	14.2	130.5	13.2
40.9	11.9	55.9	10.3	71.8	13.1	95.8	14.3	131.4	13.2

STA 15 DAY: 12 TIME: 1630

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
132.4	13.1	181.6	11.9	226.3	10.5	254.6	8.8	304.0	7.8
133.4	13.1	182.4	11.9	227.3	10.4	256.2	8.8	305.0	7.8
134.7	13.1	182.7	11.9	227.9	10.4	257.2	8.8	306.1	7.8
135.5	13.1	183.7	11.8	228.3	10.4	258.9	8.7	307.6	7.8
136.1	13.1	184.9	11.8	228.6	10.4	260.4	8.7	307.9	7.7
136.9	13.1	186.2	11.8	228.6	10.3	261.2	8.7	309.1	7.7
137.5	13.1	187.2	11.8	228.6	10.2	262.2	8.7	310.0	7.7
138.3	13.1	188.3	11.8	229.7	10.2	263.7	8.7	310.9	7.8
139.1	13.0	190.2	11.8	230.4	10.2	265.0	8.7	311.7	7.8
139.8	13.0	192.0	11.8	230.5	10.2	266.3	8.7	312.4	7.7
140.9	13.0	193.9	11.8	230.7	10.1	267.7	8.7	312.9	7.7
142.3	12.9	195.3	11.8	230.9	10.1	268.7	8.7	313.3	7.7
144.4	12.9	196.4	11.8	231.2	10.1	269.3	8.6	314.5	7.7
145.5	12.9	197.5	11.8	231.4	10.0	270.2	8.6	315.9	7.7
146.4	12.9	198.3	11.7	231.7	9.9	270.9	8.5	317.4	7.7
147.5	12.9	199.1	11.6	232.0	9.9	272.3	8.5	319.1	7.7
148.7	12.9	200.8	11.6	232.1	9.8	273.7	8.5	320.9	7.7
149.8	12.8	201.2	11.5	232.0	9.7	275.1	8.4	322.2	7.6
150.8	12.7	201.7	11.5	232.1	9.6	276.4	8.4	324.4	7.7
152.3	12.7	203.1	11.5	232.3	9.6	276.9	8.4	325.8	7.7
153.9	12.7	204.2	11.5	232.4	9.5	277.9	8.4	327.7	7.6
155.1	12.7	205.4	11.5	232.6	9.4	279.2	8.3	329.2	7.7
156.4	12.7	206.3	11.4	232.8	9.3	280.7	8.3	330.5	7.6
157.1	12.7	206.8	11.4	232.9	9.2	281.6	8.3	332.1	7.6
157.9	12.6	207.4	11.3	233.1	9.2	282.4	8.3	333.9	7.6
158.5	12.6	208.4	11.3	233.5	9.1	283.2	8.3	335.4	7.6
158.9	12.6	209.5	11.3	233.8	9.1	284.1	8.2	336.5	7.6
160.1	12.6	210.4	11.3	234.8	9.1	284.6	8.2	337.5	7.6
161.8	12.6	211.6	11.3	235.7	9.1	285.4	8.2	340.0	7.6
162.9	12.6	212.4	11.3	236.3	9.1	286.0	8.2	341.6	7.6
163.6	12.5	212.6	11.2	236.7	9.0	286.6	8.1	342.8	7.6
165.0	12.5	213.4	11.1	237.4	9.0	286.8	8.1	344.3	7.6
166.2	12.5	214.2	11.1	238.1	9.0	287.0	8.1	344.9	7.6
166.9	12.4	215.5	11.1	239.4	9.0	288.0	8.0	345.8	7.6
167.5	12.4	216.6	11.1	240.4	9.0	288.9	7.9	346.4	7.5
168.3	12.3	218.0	11.1	241.3	9.0	289.8	7.9	347.7	7.5
169.3	12.3	219.1	11.1	242.5	9.0	290.9	7.9	348.2	7.5
170.1	12.2	219.9	11.1	242.8	9.0	291.9	7.9	349.0	7.5
170.9	12.2	220.2	11.0	243.1	9.0	292.9	7.9	351.1	7.5
172.0	12.2	221.1	10.9	243.7	8.9	293.7	7.9	352.5	7.5
173.3	12.1	221.5	10.9	244.1	8.9	294.7	7.9	353.9	7.4
174.1	12.1	222.0	10.8	244.9	8.9	295.5	7.8	355.4	7.4
175.0	12.1	222.5	10.8	246.2	8.9	296.0	7.8	357.0	7.4
175.1	12.1	222.8	10.8	247.7	8.9	297.2	7.8	358.1	7.5
176.0	12.0	223.5	10.7	249.2	8.8	298.1	7.8	360.2	7.4
176.7	12.0	223.7	10.7	250.7	8.8	298.9	7.8	361.8	7.4
177.4	12.0	223.9	10.6	251.9	8.8	299.9	7.8	363.6	7.4
178.8	12.0	224.3	10.6	253.1	8.8	300.9	7.8	365.4	7.4
179.9	12.0	224.8	10.5	253.7	8.8	301.9	7.8	366.6	7.4
181.0	11.9	225.6	10.5	254.1	8.8	302.9	7.8	367.0	7.4

STA 15 DAY: 12 TIME: 1630

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
368.9	7.4	435.0	6.9	516.4	6.4
370.2	7.4	436.9	6.9	518.7	6.4
371.4	7.4	438.5	6.9	519.9	6.4
371.7	7.4	439.2	6.9	520.9	6.4
371.9	7.4	439.6	6.9	521.5	6.4
373.1	7.4	440.5	6.9	523.2	6.3
374.1	7.4	441.8	6.8	524.9	6.3
375.1	7.3	442.9	6.8	526.9	6.3
376.7	7.3	444.5	6.8	529.0	6.3
378.1	7.3	445.3	6.8	531.3	6.3
379.2	7.3	445.9	6.8	532.7	6.3
380.6	7.3	446.9	6.8	534.8	6.3
382.0	7.3	448.0	6.8	536.0	6.3
383.3	7.3	449.5	6.8	537.7	6.3
383.8	7.2	450.0	6.8	538.7	6.3
385.7	7.2	451.6	6.8	538.8	6.2
387.2	7.2	453.6	6.8		
388.9	7.2	454.9	6.8		
390.1	7.2	457.6	6.8		
391.0	7.2	459.5	6.8		
391.7	7.1	461.4	6.8		
392.7	7.1	462.8	6.8		
394.2	7.1	464.1	6.7		
395.3	7.1	464.8	6.7		
396.7	7.1	466.0	6.7		
397.6	7.1	468.7	6.7		
398.7	7.1	470.1	6.7		
400.6	7.1	472.7	6.7		
402.5	7.1	475.5	6.7		
404.0	7.1	477.5	6.7		
405.2	7.1	479.4	6.7		
406.1	7.1	481.2	6.7		
406.8	7.0	483.2	6.6		
408.9	7.0	485.6	6.6		
410.6	7.0	488.1	6.6		
412.3	7.0	490.3	6.6		
414.0	7.0	492.6	6.6		
415.7	7.0	495.2	6.6		
417.0	7.0	497.0	6.6		
418.4	7.0	498.6	6.6		
419.8	7.0	499.5	6.6		
421.0	7.0	500.5	6.5		
423.0	7.0	501.8	6.5		
424.9	7.0	503.2	6.5		
426.8	7.0	504.5	6.5		
428.3	7.0	506.2	6.5		
429.6	7.0	508.4	6.4		
431.2	7.0	510.0	6.4		
432.5	6.9	512.2	6.5		
434.0	7.0	514.4	6.4		

STA 16 DAY: 12 TIME: 1703

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.1	13.0	23.0	14.1	39.6	16.3	51.6	17.3	70.1	15.3
0.0	12.9	23.0	14.2	39.5	16.2	52.1	17.3	70.3	15.2
0.6	12.8	23.1	14.3	39.4	16.1	52.4	17.2	70.5	15.1
0.9	12.7	23.1	14.4	39.6	16.0	52.9	17.2	70.6	15.1
2.5	12.7	23.2	14.5	39.5	15.9	53.4	17.1	71.1	15.0
3.7	12.7	23.3	14.6	39.8	15.8	53.8	17.1	71.2	15.0
4.8	12.6	23.4	14.8	39.7	15.7	54.1	17.1	71.6	14.9
6.4	12.7	23.4	14.8	39.8	15.6	54.3	17.0	71.9	14.9
8.0	12.7	23.5	15.0	40.0	15.6	54.5	16.9	72.2	14.8
9.2	12.7	23.7	15.0	40.0	15.4	54.9	16.9	72.6	14.8
9.9	12.7	23.7	15.1	40.4	15.3	55.0	16.8	73.1	14.8
9.9	12.7	23.7	15.2	40.6	15.2	55.0	16.8	74.0	14.7
10.0	12.8	23.8	15.4	40.8	15.1	55.8	16.8	74.5	14.6
10.7	12.8	24.2	15.5	41.1	15.0	56.6	16.8	75.1	14.6
11.2	12.9	24.1	15.6	41.4	14.9	56.6	16.8	75.4	14.5
11.7	12.9	24.6	15.8	41.8	14.8	56.8	16.9	76.0	14.4
12.4	13.0	24.7	15.9	42.3	14.8	57.0	16.9	76.5	14.4
12.7	13.0	24.9	16.0	43.0	14.7	57.5	16.9	76.8	14.3
13.1	13.0	25.0	16.1	43.3	14.8	57.6	16.8	77.1	14.2
13.1	13.2	25.2	16.2	43.7	14.8	57.7	16.8	77.3	14.1
13.1	13.3	25.5	16.3	44.0	14.9	58.1	16.8	77.7	14.1
13.2	13.3	25.7	16.4	44.2	14.9	58.6	16.7	77.8	14.0
13.5	13.4	25.9	16.5	44.5	15.1	58.8	16.7	78.3	14.0
13.4	13.5	26.0	16.6	44.9	15.1	58.8	16.6	78.4	13.9
14.1	13.5	26.2	16.7	45.3	15.2	59.0	16.6	78.7	13.9
14.9	13.5	27.0	16.8	45.3	15.3	59.3	16.5	79.4	13.9
15.3	13.5	27.3	16.9	45.4	15.4	59.3	16.5	80.7	13.9
15.5	13.4	27.8	17.0	45.8	15.6	59.4	16.4	80.9	13.9
15.6	13.4	28.4	17.0	46.0	15.6	59.7	16.3	81.5	13.9
15.8	13.4	28.8	17.2	46.2	15.8	59.8	16.2	81.8	13.8
16.3	13.4	29.3	17.2	46.6	15.8	59.9	16.2	82.3	13.8
17.1	13.3	30.1	17.3	46.4	15.9	59.9	16.1	83.0	13.7
17.4	13.3	30.9	17.2	46.7	16.1	59.8	16.0	83.7	13.7
17.8	13.3	32.0	17.2	46.8	16.2	60.0	16.0	84.5	13.6
18.3	13.2	32.5	17.3	46.8	16.3	60.8	15.9	84.8	13.6
19.1	13.2	33.5	17.3	47.0	16.5	61.3	15.8	85.4	13.6
20.2	13.2	34.5	17.4	47.0	16.5	61.8	15.8	85.8	13.6
20.8	13.2	35.2	17.4	47.2	16.7	62.3	15.8	86.1	13.6
21.0	13.2	36.2	17.4	47.4	16.8	62.8	15.7	86.2	13.7
21.2	13.2	37.5	17.4	47.7	16.9	63.4	15.6	86.3	13.7
21.6	13.3	37.9	17.4	48.2	17.0	64.0	15.6	86.8	13.7
21.8	13.3	38.0	17.2	48.2	17.1	65.2	15.6	87.0	13.8
22.0	13.4	38.3	17.2	48.4	17.2	65.5	15.5	87.2	13.9
22.3	13.5	38.5	17.1	48.8	17.2	66.4	15.5	87.2	14.0
22.5	13.6	38.5	17.0	49.0	17.1	67.7	15.5	87.0	14.0
22.7	13.7	38.8	16.9	49.5	17.2	68.5	15.5	87.4	14.1
22.7	13.8	39.0	16.8	49.4	17.2	69.1	15.4	87.5	14.2
22.7	13.9	39.2	16.6	49.8	17.3	69.4	15.4	87.7	14.3
22.9	13.9	39.2	16.5	50.1	17.3	69.8	15.4	87.8	14.4
23.1	14.0	39.4	16.5	50.7	17.3	70.0	15.3	87.9	14.5

STA 16 DAY: 12 TIME: 1703

DEPTH (m)	TEMP (°C)
88.1	14.6
88.1	14.6
88.5	14.6
88.6	14.6
88.7	14.5
88.8	14.4
89.1	14.4
89.3	14.3
89.5	14.3
89.6	14.2
89.7	14.2
89.8	14.2
90.1	14.2

STA 17 DAY: 12 TIME: 1730

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.3	18.1	47.1	17.9	70.1	14.9	116.4	12.8	170.5	11.0
1.3	17.6	47.9	17.9	70.7	14.9	117.4	12.8	171.7	10.9
1.6	17.0	48.9	17.9	71.2	14.8	118.2	12.8	173.6	10.9
1.9	17.0	49.9	17.9	71.7	14.8	118.9	12.7	175.4	10.9
2.3	16.9	50.3	17.8	72.4	14.8	120.3	12.7	176.8	10.9
4.4	16.9	51.0	17.8	73.1	14.7	122.0	12.6	177.8	10.8
6.8	16.9	51.8	17.8	73.9	14.7	123.6	12.6	179.0	10.7
8.8	16.9	52.6	17.8	74.6	14.6	124.9	12.6	180.3	10.7
10.7	16.9	53.2	17.8	74.9	14.5	125.6	12.6	181.3	10.6
13.6	16.9	53.9	17.8	75.8	14.4	126.2	12.6	183.0	10.6
15.6	16.9	54.6	17.7	76.2	14.4	127.6	12.5	184.7	10.6
17.0	16.9	55.1	17.7	76.9	14.4	129.0	12.5	185.9	10.6
18.1	16.9	55.3	17.6	77.5	14.3	129.3	12.5	187.2	10.5
18.5	16.9	55.3	17.5	77.9	14.3	130.1	12.6	188.1	10.5
19.3	16.9	55.5	17.5	78.3	14.2	130.8	12.6	189.3	10.5
20.1	16.9	55.7	17.4	78.9	14.1	131.4	12.6	189.9	10.4
20.8	16.9	56.0	17.3	79.6	14.0	132.0	12.6	190.3	10.2
22.8	16.9	56.3	17.3	80.6	14.0	132.8	12.6	191.3	10.2
25.1	16.9	57.2	17.2	81.3	13.9	134.0	12.6	191.9	10.1
26.9	16.9	57.8	17.2	82.4	13.9	134.5	12.6	193.0	10.0
28.3	16.9	58.0	17.1	85.1	13.8	135.7	12.5	193.6	9.9
29.9	16.9	58.1	17.1	86.6	13.8	136.1	12.5	194.6	9.8
30.3	16.9	58.6	17.1	87.5	13.8	137.4	12.5	195.4	9.7
30.8	17.0	59.4	17.1	88.5	13.8	139.6	12.5	196.5	9.6
31.8	17.0	59.8	17.1	89.0	13.7	141.7	12.4	197.3	9.6
32.6	17.0	60.2	17.0	90.1	13.6	143.1	12.4	198.5	9.5
33.6	17.0	60.5	16.9	90.9	13.6	145.1	12.4	199.6	9.4
33.9	17.0	60.8	16.8	91.3	13.5	146.6	12.4	200.5	9.4
34.2	17.0	61.3	16.7	92.5	13.5	148.0	12.4	201.9	9.3
35.2	17.0	61.7	16.6	93.7	13.5	150.5	12.3	202.5	9.3
36.5	17.0	61.8	16.5	94.9	13.5	152.1	12.3	203.9	9.2
37.3	17.1	62.6	16.4	96.1	13.4	152.7	12.2	205.7	9.2
37.6	17.1	62.8	16.3	96.6	13.4	153.4	12.1	207.1	9.2
38.0	17.2	63.1	16.1	97.6	13.4	153.8	12.1	208.9	9.2
38.2	17.2	63.6	16.0	98.7	13.4	154.2	12.0	210.1	9.2
38.8	17.2	63.6	16.0	100.4	13.4	154.6	11.9	210.9	9.1
39.5	17.2	63.8	15.9	101.7	13.3	155.2	11.8	212.0	9.0
40.3	17.2	64.1	15.8	103.2	13.3	156.6	11.8	213.2	9.0
41.1	17.3	64.5	15.7	103.9	13.3	158.0	11.8	214.7	9.0
41.4	17.4	64.7	15.6	104.2	13.2	158.4	11.7	216.2	9.0
41.8	17.4	64.9	15.5	105.6	13.2	158.8	11.6	217.3	8.9
42.2	17.5	65.3	15.4	106.8	13.1	160.9	11.6	218.4	8.8
42.4	17.5	65.8	15.4	108.1	13.1	162.8	11.6	219.6	8.8
42.4	17.5	66.4	15.3	109.0	13.0	163.7	11.5	221.6	8.7
43.6	17.6	66.7	15.2	110.3	13.0	164.4	11.4	223.2	8.7
43.9	17.7	67.3	15.2	111.7	13.0	165.0	11.3	224.4	8.7
44.9	17.8	67.8	15.1	112.8	13.0	165.5	11.2	226.1	8.7
45.3	17.8	68.1	15.0	113.0	12.9	166.1	11.1	227.0	8.6
45.9	17.9	68.8	15.0	113.9	12.9	167.6	11.1	227.9	8.6
46.1	17.9	69.4	14.9	115.6	12.9	169.3	11.1	228.6	8.6

STA 17 DAY: 12 TIME: 1730

DEPTH (m)	TEMP (°C)
229.6	8.6
230.5	8.5
231.1	8.4
231.6	8.4
232.5	8.3
233.2	8.3
233.4	8.3
233.9	8.2
235.0	8.2
236.5	8.1
237.9	8.1
239.1	8.1
240.5	8.1
241.3	8.1
242.7	8.0
244.1	8.0
245.0	8.0
245.6	7.9
246.8	7.8
248.0	7.8
248.8	7.8
249.6	7.8
250.2	7.7

STA 18 DAY: 12 TIME: 1745

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
		45.3	17.4	73.3	14.8	107.1	12.7	151.8	11.9
		46.1	17.3	73.8	14.7	107.7	12.6	153.4	11.9
0.2	16.7	46.5	17.3	74.0	14.6	108.2	12.6	154.9	11.9
0.3	16.7	46.9	17.3	74.9	14.6	108.4	12.5	156.3	11.9
1.0	16.7	47.5	17.2	75.8	14.5	109.0	12.5	157.3	11.9
2.4	16.7	47.8	17.2	75.9	14.4	109.9	12.5	158.4	11.8
3.7	16.7	48.6	17.1	76.7	14.4	110.8	12.5	158.9	11.8
5.0	16.7	48.8	17.1	77.1	14.4	111.1	12.5	159.5	11.7
6.7	16.7	49.4	17.0	77.4	14.3	112.0	12.4	160.0	11.6
8.5	16.7	50.5	17.0	78.1	14.3	112.9	12.4	161.0	11.6
9.6	16.7	51.4	17.0	79.2	14.3	114.2	12.4	163.0	11.6
11.0	16.7	52.0	17.0	79.5	14.2	116.2	12.4	165.1	11.6
12.7	16.7	52.6	16.9	79.9	14.1	117.4	12.4	167.4	11.6
14.6	16.7	53.1	16.9	80.3	14.1	117.9	12.3	168.8	11.6
16.2	16.7	53.3	16.8	80.9	14.1	118.3	12.3	170.5	11.6
18.6	16.7	54.3	16.8	82.2	14.1	119.1	12.2	171.5	11.6
19.7	16.7	55.3	16.8	83.1	14.1	120.7	12.2	172.1	11.6
20.5	16.7	55.8	16.8	83.3	14.1	122.3	12.2	172.6	11.5
21.2	16.8	56.7	16.7	83.9	14.0	123.7	12.1	173.1	11.5
22.2	16.7	57.4	16.6	84.4	14.0	125.0	12.1	174.5	11.4
23.4	16.8	57.8	16.6	84.8	13.9	126.5	12.1	175.6	11.4
24.3	16.8	58.5	16.5	85.7	13.9	127.8	12.1	176.6	11.4
25.6	16.8	59.3	16.5	86.3	13.9	129.3	12.1	177.4	11.3
26.5	16.8	60.4	16.5	87.1	13.9	131.2	12.1	178.0	11.3
27.0	16.9	61.7	16.5	87.8	13.9	132.7	12.1	179.1	11.3
27.6	16.9	62.6	16.4	88.5	13.8	134.0	12.1	179.3	11.2
28.3	17.0	63.2	16.4	89.5	13.8	135.3	12.0	179.7	11.1
28.5	17.1	63.6	16.3	91.2	13.7	136.9	12.0	180.9	11.1
28.6	17.1	64.1	16.2	91.7	13.7	138.1	12.0	181.9	11.1
30.3	17.1	64.2	16.2	92.3	13.6	139.8	12.0	183.2	11.0
31.4	17.2	64.3	16.1	93.6	13.6	140.3	11.9	184.2	11.0
33.0	17.2	64.4	16.0	94.1	13.5	140.9	11.9	185.4	11.0
34.3	17.2	64.6	15.9	94.5	13.5	141.5	11.9	186.9	10.9
35.0	17.2	64.7	15.9	94.9	13.4	142.5	11.8	188.5	11.0
37.4	17.3	64.8	15.7	95.2	13.4	143.7	11.9	189.3	10.9
38.2	17.3	64.9	15.7	95.8	13.3	144.6	11.9	189.5	10.9
38.6	17.4	65.2	15.6	96.1	13.3	145.4	11.9	190.6	10.8
39.0	17.4	65.4	15.5	96.3	13.2	145.6	11.9	191.6	10.8
39.7	17.5	65.9	15.4	97.0	13.2	145.9	12.0	192.4	10.7
40.4	17.5	66.5	15.4	97.5	13.1	146.9	12.0	192.9	10.6
40.8	17.5	66.7	15.3	97.9	13.1	147.2	12.0	193.5	10.6
41.3	17.5	67.3	15.2	98.9	13.1	147.5	12.1	194.0	10.5
41.6	17.5	67.7	15.1	100.5	13.0	147.9	12.1	195.1	10.4
41.9	17.5	68.1	15.1	101.5	13.0	148.2	12.2	196.0	10.4
42.6	17.5	69.1	15.0	102.4	13.0	148.5	12.2	196.9	10.4
43.1	17.5	69.1	15.0	104.2	13.0	149.3	12.2	197.3	10.3
43.6	17.5	70.0	15.0	105.0	12.9	149.9	12.2	198.2	10.3
43.8	17.4	70.7	14.9	106.1	12.9	150.7	12.1	198.9	10.2
44.0	17.4	71.5	14.9	106.5	12.8	151.0	12.0	199.9	10.1
44.6	17.4	72.2	14.8	106.7	12.7	151.4	12.0	200.1	10.1

STA 18 DAY: 12 TIME: 1745

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
200.7	10.0	249.4	8.4	299.6	7.1	366.9	6.5
201.2	10.0	249.9	8.3	301.5	7.1	367.8	6.5
201.8	9.9	250.5	8.3	303.1	7.0	368.5	6.4
202.2	9.8	251.7	8.2	304.4	7.0	369.9	6.4
202.4	9.8	252.8	8.2	306.0	7.0	371.9	6.4
202.9	9.7	254.1	8.2	307.0	7.0	373.5	6.4
203.5	9.6	255.2	8.2	308.8	7.0	375.3	6.4
204.4	9.6	256.2	8.2	310.4	7.0	376.9	6.4
205.1	9.5	256.7	8.1	311.8	7.0	378.3	6.4
206.1	9.5	257.2	8.1	313.4	7.0	379.8	6.3
207.0	9.4	257.2	8.0	314.9	7.0		
208.2	9.4	257.4	8.0	315.7	7.0		
208.9	9.3	257.6	7.9	316.7	6.9		
209.5	9.3	257.7	7.8	317.4	6.9		
211.5	9.2	258.2	7.8	319.8	6.9		
212.1	9.2	258.7	7.7	322.0	6.9		
213.0	9.1	259.6	7.7	323.7	6.9		
214.1	9.1	260.6	7.7	325.6	6.8		
215.9	9.1	261.6	7.7	326.9	6.8		
216.9	9.1	262.5	7.6	327.4	6.8		
217.4	9.0	264.0	7.6	328.7	6.8		
218.1	9.0	265.4	7.6	330.6	6.8		
219.5	9.0	266.6	7.6	332.4	6.8		
219.7	8.9	266.9	7.6	334.5	6.8		
220.1	8.9	268.1	7.4	336.1	6.8		
221.5	8.9	270.0	7.4	337.7	6.8		
222.8	8.9	272.0	7.4	338.7	6.8		
224.1	8.9	273.2	7.4	339.5	6.8		
224.6	8.9	274.7	7.3	340.3	6.7		
225.3	8.8	275.9	7.3	341.7	6.7		
226.0	8.8	277.3	7.3	343.0	6.7		
226.8	8.8	278.7	7.3	344.0	6.7		
228.0	8.9	280.2	7.3	345.1	6.7		
229.4	8.8	281.5	7.3	346.0	6.7		
229.8	8.8	283.1	7.3	346.8	6.7		
230.2	8.7	283.2	7.3	347.4	6.7		
230.9	8.7	284.2	7.3	348.5	6.7		
231.9	8.6	285.3	7.3	349.8	6.7		
233.4	8.6	286.7	7.2	351.5	6.6		
234.8	8.6	288.2	7.2	353.5	6.7		
236.0	8.6	290.0	7.2	355.0	6.6		
237.2	8.5	290.9	7.2	356.7	6.6		
237.5	8.5	292.4	7.2	356.9	6.6		
238.1	8.4	293.7	7.2	357.4	6.5		
240.0	8.4	295.1	7.2	358.1	6.5		
241.9	8.4	296.2	7.2	359.4	6.5		
243.2	8.4	297.3	7.2	360.5	6.5		
245.3	8.4	298.5	7.2	363.1	6.5		
246.5	8.4	299.1	7.2	364.4	6.5		
247.7	8.4	299.3	7.1	365.7	6.5		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	19	13 NOV 1982	12.0	40 39.6 N	67 34.4 W	85

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.9	11.172	32.664	6.43	0.76	24.927	0.000	1491.	1.1
4	4.0	11.161	32.664	6.48	0.75	24.929	0.003	1491.	1.1
6	6.0	11.158	32.665	6.50	0.76	24.930	0.009	1491.	1.1
8	7.9	11.157	32.664	6.49	0.75	24.930	0.015	1491.	1.1
10	9.9	11.152	32.666	6.49	0.75	24.932	0.021	1491.	1.1
12	11.9	11.151	32.666	6.48	0.75	24.932	0.027	1491.	1.0
14	14.1	11.157	32.664	6.48	0.76	24.930	0.034	1491.	0.9
16	15.8	11.150	32.666	6.48	0.76	24.932	0.039	1491.	1.5
18	18.1	11.146	32.667	6.49	0.76	24.934	0.046	1491.	1.9
20	19.8	11.146	32.667	6.48	0.77	24.934	0.051	1491.	2.3
22	22.0	11.147	32.666	6.46	0.76	24.933	0.058	1491.	2.6
24	24.2	11.112	32.677	6.48	0.76	24.948	0.064	1491.	2.8
26	26.0	11.098	32.682	6.49	0.76	24.954	0.070	1491.	2.9
28	28.0	11.092	32.683	6.47	0.76	24.956	0.076	1491.	3.1
30	30.1	11.077	32.689	6.49	0.76	24.963	0.082	1491.	3.3
32	31.9	11.070	32.691	6.50	0.76	24.966	0.087	1491.	3.5
34	33.9	11.058	32.693	6.47	0.75	24.970	0.093	1491.	3.8
36	36.0	11.017	32.701	6.46	0.74	24.983	0.100	1491.	4.4
38	38.1	10.976	32.710	6.46	0.74	24.997	0.106	1491.	5.1
40	40.1	10.930	32.721	6.37	0.73	25.014	0.112	1491.	5.7
42	41.9	10.904	32.726	6.31	0.72	25.022	0.117	1491.	6.1
44	44.1	10.807	32.761	6.33	0.70	25.066	0.123	1491.	6.6
45	45.8	10.741	32.790	6.17	0.70	25.100	0.128	1491.	7.4
48	48.0	10.698	32.812	6.03	0.69	25.126	0.134	1490.	8.1
50	50.0	10.660	32.835	6.03	0.69	25.150	0.140	1490.	8.4
51	51.9	10.599	32.891	5.94	0.71	25.204	0.146	1490.	8.2
54	53.9	10.591	32.997	5.73	0.72	25.288	0.151	1490.	7.9
56	56.0	10.693	33.096	5.71	0.73	25.347	0.156	1491.	7.4
58	58.1	10.718	33.124	5.65	0.75	25.365	0.162	1491.	6.5
59	59.9	10.720	33.127	5.59	0.76	25.367	0.167	1491.	5.1
62	62.0	10.725	33.134	5.58	0.76	25.372	0.172	1491.	3.5
63	63.9	10.727	33.139	5.56	0.77	25.375	0.177	1491.	2.3
66	66.0	10.727	33.141	5.57	0.77	25.376	0.183	1491.	1.8
68	68.3	10.727	33.141	5.57	0.78	25.377	0.189	1491.	1.7
69	69.9	10.727	33.143	5.57	0.79	25.378	0.193	1491.	1.5
71	71.3	10.727	33.144	5.58	0.79	25.379	0.196	1491.	1.3
71	71.9	10.726	33.144	5.56	0.79	25.379	0.198	1491.	1.2
72	73.0	10.725	33.145	5.56	0.79	25.380	0.201	1491.	1.1
73	74.0	10.725	33.146	5.56	0.78	25.381	0.204	1491.	0.9
74	75.0	10.725	33.145	5.56	0.80	25.380	0.206	1491.	0.8
75	76.0	10.726	33.144	5.57	0.80	25.379	0.209	1491.	0.7
76	77.1	10.725	33.146	5.56	0.79	25.381	0.211	1491.	0.6
77	78.0	10.725	33.145	5.55	0.81	25.380	0.214	1491.	0.5
78	78.9	10.726	33.146	5.53	0.80	25.381	0.216	1491.	-0.2
79	80.0	10.726	33.146	5.53	0.79	25.381	0.219	1491.	-0.4
80	81.1	10.726	33.146	5.52	0.79	25.381	0.222	1491.	-0.4
81	82.0	10.727	33.146	5.54	0.79	25.380	0.224	1492.	-0.4
82	83.0	10.729	33.144	5.55	0.78	25.379	0.227	1492.	-0.4
83	84.0	10.728	33.145	5.54	0.78	25.380	0.230	1492.	-0.4
84	84.8	10.726	33.147	5.54	0.79	25.381	0.232	1492.	-0.4

STA 20 DAY: 13 TIME: 1240

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	11.4	39.9	10.3	94.4	10.2
0.6	11.3	40.8	10.3	95.2	10.2
0.9	11.2	41.3	10.3	96.2	10.2
1.0	11.1	42.1	10.4	97.2	10.2
1.2	11.1	43.2	10.4	98.3	10.3
1.6	11.1	44.2	10.4	98.7	10.3
2.0	11.1	45.3	10.4	99.0	10.3
2.8	11.0	46.9	10.4		
3.7	11.0	48.0	10.4		
4.8	11.0	48.9	10.4		
6.1	11.0	49.8	10.4		
7.5	11.0	51.2	10.4		
8.8	11.0	52.8	10.4		
10.8	10.9	54.2	10.4		
11.4	10.9	55.2	10.4		
13.2	10.9	56.1	10.4		
14.8	10.9	56.9	10.4		
16.0	10.9	58.2	10.4		
17.2	10.9	58.9	10.4		
18.2	10.9	59.6	10.4		
20.2	10.9	60.7	10.4		
21.5	10.9	61.7	10.4		
22.3	10.9	62.8	10.4		
23.3	10.9	63.9	10.4		
24.4	10.9	64.7	10.4		
25.3	10.9	66.2	10.4		
26.0	10.9	67.0	10.4		
26.5	10.9	68.3	10.4		
26.9	10.9	69.2	10.4		
27.3	10.8	70.5	10.4		
27.6	10.8	71.7	10.4		
28.0	10.7	73.2	10.4		
28.4	10.7	74.8	10.4		
28.8	10.6	76.3	10.4		
29.1	10.6	78.2	10.4		
29.4	10.5	79.4	10.4		
29.9	10.5	80.4	10.4		
30.2	10.4	81.6	10.3		
30.6	10.4	82.7	10.3		
31.5	10.4	83.5	10.3		
32.0	10.3	84.7	10.3		
32.4	10.3	85.3	10.3		
32.6	10.2	86.4	10.3		
33.5	10.2	87.6	10.3		
34.6	10.2	88.6	10.3		
35.6	10.2	89.6	10.3		
36.4	10.2	90.5	10.3		
37.0	10.2	91.2	10.3		
38.5	10.2	92.4	10.2		
39.1	10.3	93.2	10.2		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	21	13 NOV 1982	13.0	40 34.9 N	67 33.8 W	100

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.2	11.015	32.621	6.55	0.90	24.921	0.000	1491.	1.0
4	4.2	11.006	32.623	6.55	0.89	24.925	0.006	1491.	1.0
6	6.0	11.000	32.624	6.53	0.89	24.926	0.011	1491.	1.0
8	7.9	11.000	32.624	6.44	0.89	24.926	0.017	1491.	1.0
10	9.8	11.003	32.624	6.43	0.90	24.925	0.023	1491.	1.0
12	12.1	11.007	32.623	6.41	0.90	24.924	0.030	1491.	0.7
14	13.9	10.997	32.624	6.44	0.90	24.927	0.035	1491.	0.7
16	16.0	10.995	32.624	6.40	0.89	24.927	0.042	1491.	0.7
18	18.1	10.991	32.625	6.40	0.89	24.928	0.048	1491.	0.9
20	20.1	10.998	32.624	6.42	0.92	24.926	0.054	1491.	1.1
22	21.9	10.996	32.624	6.39	0.91	24.927	0.060	1491.	1.2
24	24.3	10.996	32.624	6.41	0.91	24.927	0.067	1491.	1.5
26	25.8	10.983	32.626	6.45	0.90	24.931	0.071	1491.	1.8
28	28.0	10.976	32.626	6.46	0.88	24.932	0.078	1491.	2.1
30	30.1	10.973	32.628	6.46	0.87	24.934	0.084	1491.	2.9
32	32.0	10.961	32.632	6.49	0.86	24.939	0.090	1491.	4.0
34	33.9	10.949	32.635	6.44	0.85	24.944	0.096	1491.	5.2
36	36.0	10.929	32.638	6.35	0.83	24.950	0.102	1491.	6.4
38	38.1	10.826	32.658	6.20	0.78	24.983	0.108	1491.	7.4
40	39.9	10.693	32.683	6.06	0.74	25.026	0.114	1490.	8.2
42	42.2	10.500	32.725	6.01	0.71	25.092	0.120	1490.	8.9
43	43.8	10.370	32.763	5.88	0.71	25.144	0.125	1489.	9.3
46	46.0	10.193	32.811	5.79	0.70	25.211	0.131	1489.	9.1
48	48.2	10.122	32.850	5.71	0.70	25.253	0.137	1488.	8.6
49	49.7	10.153	32.939	5.59	0.72	25.318	0.141	1489.	7.9
52	52.0	10.275	33.026	5.49	0.72	25.365	0.147	1489.	7.1
54	54.2	10.517	33.093	5.43	0.74	25.376	0.153	1490.	6.4
55	55.8	10.460	33.089	5.46	0.76	25.382	0.157	1490.	5.9
57	57.9	10.357	33.084	5.42	0.76	25.396	0.163	1490.	5.5
59	59.9	10.205	33.065	5.43	0.74	25.407	0.168	1489.	5.9
62	62.0	10.079	33.082	5.46	0.73	25.442	0.173	1489.	6.6
63	63.9	9.947	33.079	5.50	0.74	25.461	0.178	1488.	7.0
65	66.0	9.765	33.079	5.50	0.74	25.492	0.183	1488.	7.8
67	68.0	9.557	33.114	5.52	0.72	25.553	0.188	1487.	8.4
69	70.0	9.527	33.167	5.52	0.71	25.599	0.193	1487.	8.6
71	72.0	9.541	33.194	5.50	0.72	25.618	0.197	1487.	8.4
73	74.0	9.603	33.323	5.41	0.71	25.709	0.202	1488.	8.1
75	76.0	9.710	33.428	5.35	0.69	25.773	0.207	1488.	7.5
77	77.8	9.711	33.435	5.34	0.70	25.778	0.211	1488.	6.9
80	80.1	9.721	33.448	5.32	0.70	25.787	0.216	1488.	6.2
81	81.3	9.741	33.452	5.33	0.71	25.787	0.218	1488.	4.5
81	81.9	9.736	33.453	5.33	0.71	25.789	0.220	1488.	3.1
82	83.1	9.756	33.462	5.33	0.70	25.792	0.222	1488.	3.1
83	84.0	9.781	33.476	5.32	0.72	25.799	0.224	1489.	3.5
84	85.0	9.812	33.484	5.28	0.72	25.800	0.227	1489.	4.3
85	86.0	9.824	33.493	5.27	0.73	25.805	0.229	1489.	5.4
86	87.0	9.852	33.500	5.27	0.73	25.806	0.231	1489.	6.5
87	88.1	9.877	33.525	5.25	0.73	25.821	0.233	1489.	7.6
88	88.9	9.922	33.563	5.18	0.74	25.843	0.235	1489.	8.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	21	13 NOV 1982	13.0	40 34.9 N	67 33.8 W	100

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
89	90.0	10.157	33.655	5.14	0.74	25.876	0.237	1490.	9.5
90	91.0	10.252	33.720	5.11	0.74	25.910	0.240	1491.	10.1
91	92.1	10.322	33.788	5.10	0.74	25.951	0.242	1491.	10.4
92	93.0	10.318	33.822	5.04	0.74	25.978	0.244	1491.	10.7
93	94.1	10.314	33.885	5.03	0.74	26.028	0.246	1491.	10.6
94	95.0	10.405	33.941	5.00	0.74	26.056	0.248	1492.	10.2
95	96.1	10.492	33.997	4.96	0.75	26.085	0.250	1492.	9.5
96	96.9	10.659	34.106	4.91	0.75	26.140	0.252	1493.	9.5
97	98.0	10.718	34.140	4.89	0.76	26.156	0.254	1493.	9.5
98	98.9	10.717	34.138	4.85	0.76	26.155	0.255	1493.	9.5
99	99.8	10.709	34.131	4.86	0.75	26.151	0.257	1493.	9.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	22	13 NOV 1982	13.8	40 32.1 N	67 32.7 W	127

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
4	4.5	11.052	32.619	6.29	0.93	24.913	0.000	1491.	0.6
6	5.7	11.047	32.620	6.36	0.91	24.915	0.004	1491.	0.6
8	8.0	11.042	32.620	6.41	0.90	24.916	0.011	1491.	0.6
10	10.1	11.043	32.620	6.40	0.88	24.916	0.017	1491.	0.6
12	11.8	11.043	32.620	6.40	0.89	24.916	0.022	1491.	0.6
14	14.0	11.045	32.620	6.39	0.88	24.915	0.029	1491.	0.4
16	16.1	11.048	32.620	6.39	0.89	24.915	0.035	1491.	0.4
18	18.0	11.047	32.620	6.40	0.89	24.915	0.041	1491.	0.6
20	19.9	11.040	32.620	6.37	0.89	24.916	0.047	1491.	0.6
22	22.1	11.044	32.620	6.36	0.88	24.915	0.053	1491.	1.1
24	24.1	11.041	32.620	6.38	0.89	24.916	0.059	1491.	2.8
26	25.9	11.037	32.621	6.34	0.90	24.917	0.065	1491.	4.3
28	27.9	11.042	32.621	6.25	0.90	24.916	0.071	1491.	5.2
30	30.0	11.016	32.625	6.20	0.90	24.924	0.077	1491.	5.9
32	32.1	10.779	32.642	6.21	0.83	24.979	0.084	1490.	6.2
34	34.0	10.580	32.672	6.10	0.74	25.037	0.089	1490.	6.3
36	36.1	10.533	32.683	6.05	0.73	25.053	0.095	1490.	6.3
38	37.9	10.487	32.690	6.06	0.74	25.067	0.101	1489.	5.9
40	40.0	10.472	32.694	6.06	0.75	25.073	0.107	1489.	5.0
42	41.9	10.428	32.701	6.09	0.75	25.086	0.112	1489.	4.2
44	44.0	10.342	32.720	6.15	0.73	25.115	0.118	1489.	3.8
46	46.1	10.339	32.722	6.17	0.73	25.117	0.124	1489.	3.3
48	48.1	10.339	32.723	6.21	0.74	25.118	0.130	1489.	3.0
50	50.0	10.337	32.723	6.20	0.75	25.118	0.135	1489.	2.9
52	52.0	10.335	32.723	6.20	0.75	25.118	0.141	1489.	3.3
54	54.1	10.334	32.728	6.17	0.74	25.122	0.147	1489.	3.8
55	55.9	10.327	32.735	6.08	0.73	25.129	0.152	1489.	4.4
57	57.9	10.299	32.757	6.00	0.72	25.151	0.158	1489.	5.2
60	60.0	10.271	32.791	5.98	0.71	25.182	0.163	1489.	5.9
61	61.9	10.271	32.794	5.89	0.71	25.185	0.169	1489.	6.8
64	64.0	10.281	32.828	5.77	0.71	25.209	0.175	1489.	7.6
66	66.1	10.398	32.927	5.71	0.70	25.267	0.180	1490.	8.2
67	67.7	10.542	32.995	5.63	0.70	25.295	0.185	1490.	8.8
70	70.1	10.368	33.055	5.65	0.69	25.372	0.191	1490.	9.2
71	72.0	10.075	33.076	5.63	0.68	25.438	0.196	1489.	9.2
73	74.1	10.067	33.141	5.55	0.68	25.490	0.201	1489.	9.1
75	76.0	10.142	33.238	5.47	0.69	25.553	0.206	1489.	9.1
77	78.1	10.075	33.260	5.48	0.67	25.581	0.211	1489.	9.6
79	79.8	9.943	33.274	5.45	0.69	25.614	0.215	1489.	10.1
81	82.0	9.877	33.333	5.39	0.68	25.671	0.220	1489.	10.4
83	84.1	10.118	33.493	5.33	0.69	25.756	0.225	1490.	10.4
85	86.0	9.788	33.601	5.35	0.69	25.896	0.229	1489.	10.3
87	88.0	9.985	33.745	5.16	0.72	25.975	0.233	1490.	10.0
89	89.9	10.097	33.799	5.04	0.72	25.998	0.237	1490.	9.2
91	92.0	10.213	33.870	4.98	0.72	26.034	0.241	1491.	8.1
93	94.1	10.284	33.928	4.96	0.72	26.067	0.245	1491.	6.7
95	95.9	10.365	33.984	4.93	0.73	26.097	0.249	1491.	5.9
97	98.0	10.385	34.013	4.89	0.72	26.115	0.253	1492.	5.4
99	100.0	10.495	34.059	4.88	0.72	26.133	0.257	1492.	4.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	22	13 NOV 1982	13.8	40 32.1 N	67 32.7 W	127

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
101	102.1	10.533	34.075	4.90	0.73	26.139	0.261	1492.	4.3
103	104.0	10.554	34.085	4.89	0.73	26.142	0.264	1492.	4.3
105	106.0	10.564	34.094	4.89	0.73	26.148	0.268	1492.	4.5
107	108.0	10.582	34.105	4.89	0.73	26.153	0.272	1493.	4.9
109	109.8	10.666	34.160	4.84	0.74	26.181	0.275	1493.	5.5
110	111.3	10.751	34.214	4.79	0.74	26.208	0.278	1493.	7.1
111	112.0	10.785	34.235	4.78	0.74	26.218	0.279	1494.	8.8
112	113.0	10.810	34.253	4.76	0.75	26.228	0.281	1494.	10.5
113	114.0	10.936	34.318	4.71	0.76	26.256	0.283	1494.	11.7
114	115.0	11.350	34.549	4.63	0.76	26.361	0.285	1496.	12.2
115	116.0	11.620	34.681	4.57	0.75	26.414	0.286	1497.	12.0
116	117.0	11.897	34.825	4.45	0.75	26.473	0.288	1498.	11.6
117	118.1	12.043	34.914	4.37	0.74	26.515	0.290	1499.	10.6
118	119.0	12.087	34.937	4.30	0.74	26.524	0.291	1499.	9.0
119	120.1	12.116	34.964	4.30	0.73	26.540	0.293	1499.	8.4
120	120.9	12.153	34.989	4.26	0.73	26.552	0.294	1499.	7.9
121	122.1	12.209	35.030	4.23	0.73	26.573	0.296	1500.	7.9
122	122.9	12.242	35.049	4.22	0.73	26.581	0.297	1500.	7.9
123	124.0	12.432	35.157	4.19	0.73	26.628	0.298	1501.	7.9
124	125.0	12.517	35.202	4.18	0.73	26.646	0.300	1501.	7.9
125	126.0	12.647	35.263	4.16	0.72	26.668	0.301	1501.	7.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	23	13 NOV 1982	14.8	40 28.7 N	67 31.8 W	138

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.3	11.214	32.651	6.21	0.86	24.909	0.000	1491.	1.1
4	4.0	11.203	32.651	6.26	0.83	24.911	0.005	1491.	1.1
6	6.1	11.199	32.651	6.30	0.82	24.912	0.012	1491.	1.1
8	7.9	11.201	32.651	6.34	0.82	24.911	0.017	1491.	1.1
10	10.0	11.197	32.651	6.34	0.82	24.912	0.023	1491.	1.1
12	12.0	11.189	32.652	6.34	0.83	24.915	0.029	1491.	1.1
14	13.9	11.188	32.652	6.34	0.83	24.915	0.035	1491.	1.1
16	15.9	11.187	32.653	6.35	0.84	24.915	0.041	1491.	1.1
18	18.3	11.187	32.652	6.34	0.83	24.915	0.048	1491.	1.1
20	19.9	11.180	32.653	6.34	0.85	24.917	0.053	1491.	1.0
22	21.9	11.178	32.654	6.33	0.84	24.918	0.059	1492.	1.0
24	24.1	11.177	32.654	6.34	0.85	24.918	0.066	1492.	1.1
26	26.0	11.177	32.654	6.32	0.85	24.918	0.072	1492.	1.3
28	27.7	11.172	32.654	6.32	0.86	24.919	0.077	1492.	1.5
30	30.1	11.171	32.655	6.33	0.85	24.920	0.084	1492.	1.8
32	31.8	11.166	32.655	6.33	0.86	24.921	0.089	1492.	2.2
34	34.0	11.153	32.657	6.34	0.86	24.925	0.096	1492.	2.6
36	36.3	11.134	32.659	6.35	0.86	24.930	0.103	1492.	3.6
38	37.9	11.112	32.662	6.29	0.87	24.936	0.108	1492.	5.0
40	40.0	11.092	32.665	6.29	0.86	24.942	0.114	1492.	6.0
42	42.0	11.027	32.670	6.25	0.86	24.958	0.120	1491.	6.6
44	44.0	10.857	32.690	6.21	0.86	25.003	0.126	1491.	6.9
46	46.0	10.588	32.728	6.22	0.82	25.079	0.132	1490.	6.8
48	47.9	10.572	32.759	6.11	0.77	25.106	0.138	1490.	6.8
50	50.0	10.561	32.771	6.03	0.75	25.117	0.143	1490.	6.4
52	51.9	10.532	32.774	6.01	0.75	25.125	0.149	1490.	5.8
54	54.0	10.471	32.772	6.00	0.73	25.133	0.155	1490.	5.4
56	56.0	10.480	32.831	5.96	0.71	25.178	0.160	1490.	5.4
58	58.1	10.502	32.849	5.93	0.71	25.188	0.166	1490.	5.6
60	60.2	10.558	32.886	5.88	0.71	25.208	0.172	1490.	6.1
61	61.7	10.716	32.948	5.80	0.71	25.228	0.176	1491.	7.9
63	64.0	10.832	32.993	5.74	0.69	25.243	0.182	1491.	9.2
66	66.3	10.974	33.060	5.71	0.69	25.270	0.189	1492.	10.0
67	67.8	11.255	33.205	5.59	0.69	25.332	0.193	1493.	10.2
70	70.1	11.202	33.496	5.57	0.68	25.569	0.199	1493.	10.1
71	71.9	11.082	33.528	5.49	0.67	25.615	0.203	1493.	9.9
74	74.1	11.031	33.538	5.37	0.67	25.632	0.208	1493.	9.3
75	75.9	11.002	33.543	5.28	0.67	25.641	0.212	1493.	8.0
77	78.0	10.897	33.548	5.30	0.67	25.664	0.217	1493.	6.2
80	80.1	10.685	33.560	5.33	0.67	25.711	0.222	1492.	5.9
81	82.0	10.561	33.573	5.33	0.68	25.742	0.226	1491.	5.6
83	84.0	10.519	33.576	5.33	0.68	25.752	0.231	1491.	5.2
85	85.9	10.490	33.577	5.33	0.68	25.757	0.235	1491.	4.6
87	88.1	10.412	33.577	5.33	0.68	25.771	0.240	1491.	4.0
89	89.8	10.408	33.577	5.33	0.68	25.771	0.244	1491.	4.2
91	92.1	10.376	33.578	5.31	0.68	25.778	0.249	1491.	5.2
93	94.1	10.304	33.584	5.30	0.69	25.795	0.254	1491.	7.1
95	95.9	10.257	33.588	5.25	0.70	25.807	0.257	1491.	8.8
97	98.0	10.160	33.620	5.25	0.69	25.848	0.262	1490.	10.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	23	13 NOV 1982	14.8	40 28.7 N	67 31.8 W	138

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	100.2	10.120	33.705	5.23	0.70	25.921	0.267	1490.	11.5
101	101.7	10.252	33.945	5.08	0.70	26.085	0.270	1491.	12.0
103	104.0	10.552	34.137	4.99	0.69	26.184	0.274	1492.	11.9
105	106.1	11.567	34.563	4.77	0.70	26.332	0.278	1497.	11.5
107	108.0	12.196	34.778	4.48	0.70	26.379	0.281	1499.	10.6
109	110.0	12.627	34.963	4.45	0.69	26.440	0.284	1501.	9.2
111	112.2	12.748	35.021	4.35	0.69	26.460	0.288	1501.	8.2
113	113.9	12.727	35.051	4.24	0.70	26.488	0.290	1501.	7.4
115	116.0	12.697	35.092	4.23	0.70	26.525	0.294	1501.	7.3
117	118.1	12.665	35.106	4.22	0.70	26.543	0.297	1501.	7.1
119	119.9	12.712	35.166	4.15	0.71	26.580	0.300	1501.	7.1
120	121.3	12.798	35.249	4.13	0.72	26.627	0.302	1502.	6.8
121	121.9	12.801	35.247	4.09	0.72	26.625	0.303	1502.	6.3
122	123.0	12.831	35.266	4.11	0.72	26.634	0.304	1502.	5.7
123	123.9	12.836	35.269	4.11	0.72	26.635	0.305	1502.	4.3
124	125.0	12.838	35.270	4.09	0.71	26.635	0.307	1502.	3.1
125	126.1	12.862	35.284	4.10	0.72	26.641	0.308	1502.	3.0
126	127.0	12.866	35.290	4.09	0.72	26.645	0.310	1502.	2.9
127	128.1	12.872	35.293	4.06	0.72	26.646	0.311	1502.	3.0
128	129.0	12.873	35.294	4.05	0.73	26.647	0.313	1502.	3.0
129	130.0	12.881	35.301	4.03	0.73	26.651	0.314	1502.	2.8
130	130.8	12.895	35.310	4.03	0.74	26.655	0.315	1502.	2.6
131	132.0	12.901	35.314	4.01	0.74	26.657	0.317	1502.	2.6
132	133.0	12.906	35.318	4.02	0.74	26.659	0.318	1502.	2.6
133	134.1	12.907	35.319	4.03	0.74	26.659	0.320	1502.	2.6
133	134.5	12.908	35.319	4.03	0.74	26.659	0.320	1502.	2.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	24	13 NOV 1982	15.6	40 25.7 N	67 30.9 W	175

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.8	11.674	32.686	6.10	0.76	24.853	0.000	1493.	1.1
4	3.7	11.666	32.686	6.16	0.75	24.854	0.003	1493.	1.1
6	6.1	11.665	32.687	6.24	0.75	24.856	0.010	1493.	1.1
8	7.9	11.663	32.687	6.28	0.75	24.856	0.016	1493.	1.1
10	10.0	11.667	32.688	6.25	0.74	24.856	0.022	1493.	1.1
12	12.2	11.670	32.689	6.29	0.75	24.856	0.029	1493.	1.1
14	14.1	11.670	32.690	6.27	0.76	24.857	0.035	1493.	1.0
16	16.0	11.646	32.686	6.27	0.75	24.858	0.041	1493.	0.9
18	18.0	11.628	32.684	6.29	0.76	24.860	0.047	1493.	0.9
20	20.2	11.635	32.686	6.28	0.76	24.861	0.054	1493.	1.1
22	21.9	11.645	32.686	6.24	0.76	24.858	0.059	1493.	1.3
24	24.2	11.631	32.683	6.27	0.76	24.859	0.066	1493.	1.6
26	25.7	11.629	32.683	6.27	0.77	24.859	0.071	1493.	2.2
28	28.0	11.584	32.679	6.26	0.77	24.864	0.078	1493.	2.6
30	30.1	11.539	32.673	6.26	0.77	24.868	0.084	1493.	3.2
31	31.7	11.512	32.673	6.23	0.78	24.873	0.089	1493.	3.8
34	34.0	11.413	32.670	6.20	0.78	24.888	0.096	1493.	4.4
36	36.1	11.365	32.666	6.17	0.78	24.894	0.103	1492.	5.5
38	38.1	11.247	32.666	6.14	0.79	24.915	0.108	1492.	6.5
40	39.9	11.186	32.672	6.07	0.78	24.931	0.114	1492.	7.4
42	42.0	11.113	32.702	6.02	0.76	24.967	0.120	1492.	8.2
44	44.1	11.162	32.806	5.95	0.72	25.039	0.126	1492.	8.6
46	46.2	11.199	32.887	5.85	0.68	25.095	0.133	1492.	8.5
48	47.9	11.332	32.998	5.70	0.68	25.158	0.137	1493.	8.3
50	50.0	11.516	33.102	5.62	0.67	25.205	0.143	1494.	7.8
52	52.1	11.352	33.097	5.63	0.67	25.232	0.149	1493.	7.4
54	54.0	11.308	33.092	5.56	0.67	25.235	0.154	1493.	8.5
56	56.0	11.252	33.111	5.44	0.67	25.260	0.160	1493.	9.2
58	58.1	11.193	33.142	5.43	0.67	25.295	0.165	1493.	9.9
60	60.1	11.154	33.213	5.41	0.67	25.357	0.171	1493.	10.7
61	62.0	12.329	33.777	5.16	0.66	25.578	0.175	1497.	11.2
63	63.9	11.585	33.645	5.25	0.65	25.614	0.180	1495.	11.1
65	65.9	10.515	33.457	5.35	0.66	25.659	0.185	1491.	10.5
67	68.0	9.999	33.460	5.32	0.67	25.750	0.190	1489.	9.6
69	70.0	9.872	33.505	5.16	0.67	25.806	0.194	1489.	8.8
71	71.9	9.875	33.520	5.05	0.68	25.818	0.198	1489.	8.8
73	74.0	9.868	33.536	5.00	0.66	25.832	0.203	1489.	8.5
76	76.1	9.871	33.627	5.04	0.67	25.902	0.207	1489.	8.2
77	77.8	9.935	33.759	5.10	0.68	25.995	0.211	1489.	8.5
79	79.9	9.943	33.781	5.16	0.68	26.010	0.215	1489.	8.7
81	82.1	9.946	33.815	5.14	0.67	26.036	0.219	1490.	8.6
83	84.1	10.077	33.912	5.14	0.69	26.090	0.223	1490.	8.9
85	86.1	10.413	34.081	5.05	0.69	26.164	0.227	1492.	9.1
87	87.7	10.782	34.188	4.93	0.68	26.182	0.230	1493.	9.6
89	90.0	12.310	34.608	4.61	0.67	26.225	0.234	1499.	9.6
91	92.0	13.589	35.136	4.47	0.63	26.379	0.238	1504.	9.5
93	94.1	14.375	35.393	4.43	0.59	26.412	0.241	1507.	9.2
95	96.2	14.607	35.527	4.20	0.65	26.465	0.244	1508.	8.8
97	97.8	14.663	35.552	3.92	0.66	26.472	0.247	1508.	8.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	24	13 NOV 1982	15.6	40 25.7 N	67 30.9 W	175

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	100.1	14.448	35.595	3.92	0.64	26.552	0.250	1507.	7.3
101	102.0	14.394	35.599	3.94	0.62	26.567	0.253	1507.	7.1
103	104.1	14.405	35.619	3.91	0.63	26.580	0.256	1507.	6.9
105	105.8	14.402	35.641	3.86	0.66	26.598	0.259	1507.	6.8
107	108.0	14.100	35.635	3.87	0.65	26.658	0.262	1506.	6.2
109	109.9	13.887	35.588	3.90	0.61	26.667	0.265	1506.	6.2
111	111.9	13.699	35.577	3.91	0.58	26.697	0.268	1505.	6.0
113	114.2	13.335	35.517	3.94	0.55	26.726	0.271	1504.	5.6
115	116.0	13.184	35.473	3.86	0.67	26.723	0.273	1503.	5.1
117	118.1	13.042	35.462	3.86	0.68	26.743	0.276	1503.	4.8
119	120.0	12.989	35.464	3.82	0.68	26.756	0.278	1503.	4.4
121	122.0	12.929	35.475	3.81	0.69	26.776	0.281	1503.	4.0
123	124.0	12.924	35.483	3.82	0.69	26.783	0.284	1503.	3.7
125	126.1	12.918	35.487	3.82	0.69	26.788	0.286	1503.	3.1
127	128.0	12.904	35.488	3.79	0.69	26.791	0.289	1503.	2.5
129	130.1	12.900	35.489	3.82	0.69	26.793	0.291	1503.	1.8
131	132.0	12.899	35.490	3.84	0.69	26.794	0.294	1503.	1.4
133	133.8	12.903	35.493	3.84	0.70	26.795	0.296	1503.	1.2
135	136.3	12.901	35.491	3.86	0.69	26.794	0.299	1503.	1.0
137	137.8	12.901	35.490	3.87	0.70	26.793	0.301	1503.	1.3
139	140.0	12.908	35.494	3.85	0.69	26.795	0.304	1503.	1.5
141	142.1	12.912	35.498	3.84	0.70	26.797	0.307	1503.	1.7
143	144.0	12.913	35.499	3.83	0.70	26.797	0.309	1503.	1.9
145	146.0	12.887	35.499	3.83	0.70	26.803	0.312	1503.	2.0
147	148.3	12.868	35.498	3.84	0.70	26.806	0.315	1503.	2.0
149	149.9	12.849	35.497	3.80	0.71	26.809	0.317	1503.	2.0
150	151.3	12.847	35.496	3.79	0.70	26.809	0.318	1503.	1.9
151	152.0	12.846	35.496	3.80	0.70	26.809	0.319	1503.	1.5
152	152.9	12.843	35.497	3.81	0.71	26.810	0.321	1503.	1.2
153	153.9	12.842	35.496	3.80	0.71	26.810	0.322	1503.	0.8
154	155.0	12.839	35.496	3.81	0.70	26.810	0.323	1503.	1.7
155	156.1	12.840	35.496	3.80	0.70	26.810	0.325	1503.	2.1
156	157.0	12.837	35.496	3.79	0.71	26.810	0.326	1503.	2.4
157	158.0	12.840	35.496	3.78	0.70	26.810	0.327	1503.	2.7
158	159.0	12.795	35.498	3.77	0.70	26.821	0.328	1503.	2.9
159	160.0	12.779	35.495	3.79	0.71	26.822	0.329	1503.	3.2
160	161.1	12.771	35.496	3.78	0.71	26.824	0.331	1503.	4.1
161	161.9	12.763	35.495	3.76	0.71	26.825	0.332	1503.	5.3
162	162.9	12.749	35.496	3.73	0.72	26.829	0.333	1503.	5.9
163	164.0	12.729	35.499	3.73	0.72	26.834	0.335	1503.	6.8
164	165.0	12.629	35.511	3.73	0.71	26.864	0.336	1502.	7.3
165	166.0	12.344	35.487	3.75	0.72	26.901	0.337	1501.	7.4
166	167.0	12.279	35.473	3.74	0.72	26.903	0.338	1501.	7.4
167	168.0	12.171	35.481	3.70	0.73	26.931	0.339	1501.	7.4
168	169.0	12.095	35.470	3.71	0.73	26.937	0.340	1500.	7.4
169	170.0	12.068	35.469	3.71	0.72	26.941	0.342	1500.	7.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	25	13 NOV 1982	16.5	40 22.7 N	67 29.9 W	355

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
15	15.0	12.187	32.884	6.28	0.76	24.912	0.000	1495.	-0.4
16	15.9	12.194	32.887	6.29	0.75	24.913	0.003	1495.	-0.4
18	17.9	12.199	32.889	6.35	0.76	24.913	0.009	1495.	-0.4
20	20.0	12.205	32.890	6.36	0.75	24.912	0.015	1495.	-0.4
22	21.9	12.207	32.890	6.32	0.75	24.912	0.021	1495.	-0.4
24	24.3	12.194	32.884	6.36	0.76	24.910	0.028	1495.	-0.1
26	25.8	12.175	32.881	6.42	0.77	24.911	0.033	1495.	0.7
28	28.0	12.172	32.881	6.47	0.77	24.912	0.040	1495.	0.9
30	30.0	12.174	32.881	6.52	0.77	24.912	0.046	1495.	1.4
32	31.9	12.171	32.882	6.54	0.77	24.913	0.051	1495.	4.6
34	34.0	12.146	32.879	6.53	0.77	24.916	0.058	1495.	7.2
36	36.0	12.141	32.879	6.44	0.78	24.916	0.064	1495.	9.5
38	38.0	12.103	32.879	6.27	0.77	24.923	0.070	1495.	11.2
40	40.0	12.319	33.151	6.12	0.71	25.094	0.076	1496.	12.2
42	41.8	12.709	33.479	5.95	0.68	25.272	0.081	1498.	12.6
44	44.0	12.879	33.699	5.83	0.66	25.410	0.087	1499.	12.3
46	46.0	12.938	33.834	5.72	0.67	25.503	0.092	1499.	11.4
48	48.0	12.699	33.841	5.62	0.66	25.555	0.096	1499.	9.7
50	50.1	12.581	33.839	5.61	0.66	25.576	0.102	1498.	8.1
52	52.2	12.514	33.852	5.60	0.68	25.599	0.107	1498.	6.8
53	53.9	12.515	33.858	5.55	0.68	25.604	0.111	1498.	5.9
56	56.0	12.564	33.906	5.52	0.66	25.631	0.116	1498.	5.7
58	58.1	12.966	34.060	5.43	0.66	25.672	0.121	1500.	6.8
59	59.9	13.192	34.125	5.31	0.68	25.677	0.125	1501.	7.8
61	61.9	13.209	34.134	5.16	0.68	25.681	0.130	1501.	8.6
64	64.0	13.325	34.223	5.12	0.68	25.726	0.134	1501.	9.0
66	66.0	14.054	34.610	5.00	0.67	25.875	0.139	1504.	9.1
68	68.0	14.980	34.923	4.80	0.67	25.918	0.143	1508.	9.1
69	69.9	15.683	35.224	4.70	0.66	25.993	0.147	1510.	8.7
71	72.0	16.369	35.428	4.55	0.65	25.993	0.151	1513.	7.8
74	74.1	16.440	35.491	4.51	0.65	26.025	0.155	1513.	6.6
75	76.1	16.532	35.559	4.50	0.66	26.055	0.159	1513.	5.9
77	77.9	16.580	35.598	4.52	0.65	26.074	0.163	1514.	5.3
79	80.1	16.593	35.625	4.49	0.64	26.092	0.167	1514.	5.5
81	81.8	16.585	35.637	4.51	0.66	26.102	0.170	1514.	5.8
83	84.1	16.568	35.635	4.49	0.65	26.105	0.175	1514.	6.2
85	86.0	16.470	35.630	4.45	0.66	26.124	0.179	1513.	6.4
87	88.0	16.028	35.563	4.44	0.67	26.175	0.182	1512.	6.6
89	89.9	15.578	35.497	4.47	0.68	26.227	0.186	1511.	6.8
91	91.9	15.360	35.467	4.48	0.67	26.253	0.189	1510.	6.8
93	94.0	15.263	35.451	4.44	0.67	26.262	0.193	1510.	6.8
95	96.1	15.154	35.447	4.38	0.68	26.283	0.197	1509.	6.8
97	97.8	15.147	35.485	4.34	0.68	26.314	0.200	1509.	6.8
99	99.9	15.102	35.503	4.30	0.68	26.338	0.203	1509.	7.1
101	102.0	15.033	35.541	4.27	0.67	26.383	0.207	1509.	7.4
103	104.2	14.950	35.588	4.24	0.68	26.437	0.210	1509.	7.3
105	105.9	14.849	35.578	4.22	0.69	26.451	0.213	1509.	7.0
107	108.0	14.565	35.561	4.23	0.68	26.500	0.217	1508.	6.9
109	110.1	14.417	35.560	4.20	0.69	26.532	0.220	1507.	6.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	25	13 NOV 1982	16.5	40 22.7 N	67 29.9 W	355

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
111	112.1	14.396	35.557	4.15	0.69	26.534	0.223	1507.	6.9
113	113.9	14.313	35.548	4.14	0.70	26.545	0.225	1507.	6.9
115	115.9	14.065	35.549	4.14	0.67	26.598	0.229	1506.	6.8
117	118.0	13.853	35.548	4.13	0.67	26.642	0.232	1506.	6.7
119	120.0	13.666	35.550	4.13	0.68	26.683	0.234	1505.	6.6
121	122.0	13.582	35.545	4.09	0.69	26.697	0.237	1505.	6.5
123	124.2	13.448	35.526	4.07	0.70	26.709	0.240	1504.	5.9
125	126.1	13.258	35.496	4.06	0.71	26.726	0.243	1504.	5.5
127	127.8	13.123	35.483	4.05	0.71	26.743	0.245	1503.	5.2
129	130.0	12.878	35.468	4.04	0.70	26.781	0.248	1502.	5.0
131	132.2	12.815	35.458	4.03	0.71	26.785	0.251	1502.	4.8
133	134.0	12.747	35.451	4.02	0.72	26.794	0.253	1502.	4.4
135	136.0	12.688	35.451	4.00	0.71	26.806	0.255	1502.	4.1
137	138.0	12.640	35.447	3.98	0.70	26.812	0.258	1502.	3.8
139	139.9	12.594	35.447	3.97	0.71	26.821	0.260	1502.	3.8
141	142.1	12.527	35.441	3.93	0.71	26.829	0.263	1501.	3.9
143	144.1	12.491	35.443	3.91	0.71	26.838	0.266	1501.	3.9
145	145.8	12.426	35.441	3.93	0.73	26.850	0.268	1501.	3.9
147	148.0	12.388	35.437	3.92	0.72	26.854	0.270	1501.	3.9
149	150.0	12.236	35.424	3.91	0.73	26.874	0.273	1501.	3.9
151	152.1	12.243	35.434	3.92	0.73	26.880	0.275	1501.	3.9
153	153.9	12.220	35.431	3.93	0.73	26.882	0.277	1501.	3.9
155	155.9	12.138	35.427	3.92	0.72	26.895	0.280	1500.	4.5
157	158.0	12.055	35.419	3.91	0.72	26.905	0.282	1500.	4.8
159	159.8	11.964	35.412	3.90	0.72	26.917	0.285	1500.	5.2
161	162.0	11.874	35.404	3.85	0.71	26.928	0.287	1500.	5.3
163	164.1	11.608	35.405	3.86	0.72	26.979	0.289	1499.	5.4
165	166.1	11.561	35.401	3.86	0.74	26.984	0.292	1499.	5.4
167	167.9	11.477	35.403	3.87	0.73	27.002	0.294	1498.	5.5
169	170.0	11.373	35.391	3.86	0.73	27.012	0.296	1498.	5.5
171	172.1	11.239	35.377	3.84	0.73	27.026	0.298	1497.	5.3
173	174.0	11.048	35.359	3.84	0.74	27.047	0.300	1497.	5.5
174	175.8	10.833	35.347	3.84	0.74	27.077	0.302	1496.	5.6
177	178.0	10.732	35.347	3.82	0.73	27.095	0.304	1496.	5.8
179	180.1	10.628	35.341	3.79	0.73	27.109	0.306	1495.	5.7
180	181.9	10.493	35.335	3.73	0.73	27.128	0.308	1495.	5.5
183	184.1	10.298	35.322	3.67	0.72	27.152	0.310	1494.	5.2
184	185.8	10.077	35.303	3.64	0.73	27.176	0.312	1494.	4.9
186	188.0	9.966	35.291	3.61	0.71	27.186	0.314	1493.	4.5
189	190.2	9.868	35.282	3.58	0.71	27.195	0.316	1493.	3.9
190	191.6	9.781	35.272	3.58	0.73	27.202	0.317	1493.	3.5
192	194.0	9.756	35.266	3.55	0.70	27.202	0.319	1492.	3.2
194	196.0	9.720	35.265	3.55	0.69	27.207	0.321	1492.	3.2
196	198.1	9.686	35.261	3.55	0.71	27.210	0.323	1492.	3.2
198	200.1	9.525	35.246	3.56	0.72	27.225	0.325	1492.	3.3
200	202.0	9.455	35.236	3.56	0.72	27.229	0.326	1491.	3.4
202	204.0	9.361	35.228	3.56	0.72	27.238	0.328	1491.	3.3
204	206.0	9.281	35.220	3.57	0.73	27.245	0.330	1491.	3.2
206	208.0	9.239	35.219	3.58	0.72	27.251	0.331	1491.	3.1
209	210.2	9.201	35.215	3.59	0.71	27.254	0.333	1491.	3.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	25	13 NOV 1982	16.5	40 22.7 N	67 29.9 W	355

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
210	211.7	9.172	35.210	3.59	0.73	27.255	0.335	1491.	3.3
212	214.1	9.067	35.201	3.60	0.71	27.265	0.337	1490.	3.4
214	215.8	8.964	35.193	3.64	0.73	27.276	0.338	1490.	3.5
216	218.0	8.901	35.183	3.65	0.71	27.278	0.340	1490.	3.6
218	220.1	8.751	35.174	3.67	0.73	27.295	0.342	1489.	3.6
220	222.1	8.698	35.171	3.70	0.73	27.300	0.343	1489.	3.6
222	224.0	8.639	35.162	3.73	0.73	27.303	0.345	1489.	3.5
224	225.9	8.534	35.151	3.74	0.73	27.311	0.346	1488.	3.3
226	228.0	8.431	35.145	3.74	0.72	27.323	0.348	1488.	3.0
228	230.2	8.365	35.141	3.77	0.73	27.329	0.350	1488.	2.9
230	231.9	8.345	35.140	3.77	0.73	27.332	0.351	1488.	2.7
232	234.1	8.335	35.139	3.78	0.72	27.332	0.353	1488.	2.3
234	235.9	8.312	35.136	3.78	0.73	27.334	0.354	1488.	2.0
236	237.9	8.253	35.130	3.79	0.73	27.338	0.356	1487.	1.9
238	239.9	8.227	35.129	3.78	0.71	27.341	0.357	1487.	1.8
240	242.0	8.221	35.128	3.78	0.71	27.341	0.359	1487.	1.7
242	244.3	8.200	35.128	3.79	0.73	27.345	0.361	1487.	1.6
244	245.8	8.197	35.128	3.81	0.73	27.345	0.362	1487.	1.4
246	247.9	8.192	35.127	3.79	0.72	27.345	0.363	1487.	1.4
248	250.1	8.184	35.126	3.81	0.71	27.345	0.365	1487.	1.5
250	251.8	8.167	35.125	3.83	0.73	27.347	0.366	1487.	1.5
252	254.0	8.151	35.124	3.84	0.73	27.349	0.368	1487.	1.6
254	255.9	8.129	35.123	3.82	0.73	27.352	0.369	1487.	1.7
256	258.0	8.118	35.124	3.83	0.71	27.354	0.371	1487.	1.8
258	259.7	8.103	35.121	3.84	0.72	27.354	0.372	1487.	1.8
260	262.0	8.075	35.119	3.86	0.71	27.357	0.374	1487.	1.8
262	264.1	8.061	35.117	3.87	0.70	27.357	0.376	1487.	1.7
264	265.9	8.018	35.115	3.87	0.73	27.362	0.377	1487.	1.7
266	268.0	7.982	35.109	3.88	0.73	27.362	0.379	1487.	1.9
268	270.1	7.965	35.108	3.89	0.72	27.365	0.380	1487.	1.9
270	271.8	7.934	35.098	3.91	0.73	27.361	0.381	1487.	2.0
272	274.0	7.836	35.089	3.90	0.73	27.368	0.383	1486.	2.0
274	276.0	7.804	35.087	3.92	0.72	27.372	0.385	1486.	2.0
276	277.8	7.775	35.084	3.92	0.72	27.373	0.386	1486.	2.0
278	280.0	7.744	35.080	3.91	0.71	27.375	0.388	1486.	2.0
280	282.0	7.720	35.079	3.91	0.72	27.378	0.389	1486.	1.8
282	284.0	7.714	35.080	3.94	0.73	27.380	0.391	1486.	1.8
284	286.0	7.731	35.085	3.95	0.73	27.381	0.392	1486.	1.9
286	288.0	7.735	35.087	3.93	0.73	27.382	0.393	1486.	2.0
288	290.1	7.720	35.088	3.95	0.72	27.385	0.395	1486.	1.9
289	291.8	7.664	35.083	3.96	0.73	27.389	0.396	1486.	2.0
292	294.1	7.638	35.083	3.97	0.73	27.393	0.398	1486.	1.9
294	296.1	7.634	35.082	3.99	0.73	27.393	0.399	1486.	1.7
295	297.9	7.617	35.080	3.99	0.74	27.394	0.401	1486.	1.5
297	300.0	7.582	35.077	3.99	0.73	27.396	0.402	1486.	1.2
300	302.2	7.587	35.077	4.00	0.73	27.396	0.404	1486.	0.9
301	303.8	7.586	35.077	3.98	0.74	27.396	0.405	1486.	0.7
303	306.0	7.587	35.077	3.98	0.73	27.396	0.407	1486.	0.7
305	308.1	7.585	35.077	4.01	0.74	27.397	0.408	1486.	0.9
307	309.8	7.586	35.076	3.99	0.74	27.396	0.409	1486.	1.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	25	13 NOV 1982	16.5	40 22.7 N	67 29.9 W	355

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
309	312.0	7.575	35.074	3.99	0.73	27.396	0.411	1486.	1.3
311	314.1	7.528	35.070	4.00	0.74	27.399	0.412	1486.	1.4
313	316.0	7.500	35.067	4.00	0.73	27.401	0.414	1486.	1.4
315	318.0	7.489	35.066	4.00	0.74	27.401	0.415	1486.	1.4
317	319.9	7.474	35.065	3.97	0.73	27.403	0.417	1486.	1.2
319	322.1	7.471	35.065	4.00	0.72	27.404	0.418	1486.	1.0
321	323.9	7.483	35.067	4.02	0.73	27.403	0.419	1486.	0.8
323	326.0	7.480	35.066	4.00	0.73	27.403	0.421	1486.	0.7
325	328.1	7.480	35.066	4.02	0.73	27.403	0.423	1486.	0.4
327	329.9	7.478	35.067	4.02	0.75	27.404	0.424	1486.	0.3
329	331.9	7.474	35.066	4.03	0.75	27.404	0.425	1486.	0.2
331	333.9	7.477	35.067	4.01	0.74	27.404	0.427	1486.	0.0
333	336.1	7.479	35.066	4.02	0.74	27.403	0.428	1486.	-0.2
335	337.9	7.481	35.067	4.03	0.74	27.403	0.430	1486.	-0.3
337	339.8	7.482	35.067	4.02	0.75	27.403	0.431	1486.	-0.4
338	341.3	7.482	35.067	4.00	0.74	27.403	0.432	1486.	0.2
339	342.1	7.480	35.066	4.03	0.74	27.403	0.433	1486.	0.5
340	342.9	7.479	35.067	4.02	0.75	27.403	0.433	1486.	0.7
341	344.0	7.481	35.066	4.02	0.74	27.403	0.434	1486.	0.8
342	345.0	7.475	35.066	4.01	0.75	27.404	0.435	1486.	0.9
343	346.0	7.474	35.066	4.01	0.74	27.404	0.435	1486.	1.0
344	347.1	7.468	35.065	4.03	0.74	27.404	0.436	1486.	0.9
345	347.9	7.465	35.065	4.01	0.75	27.405	0.437	1486.	1.0
346	348.9	7.461	35.065	4.01	0.74	27.405	0.438	1486.	1.0
347	350.0	7.458	35.065	4.02	0.73	27.405	0.438	1486.	1.1
348	351.1	7.455	35.064	4.03	0.73	27.405	0.439	1486.	1.0
349	352.0	7.440	35.063	4.01	0.74	27.406	0.440	1486.	1.0
350	353.1	7.437	35.062	4.01	0.74	27.406	0.441	1486.	1.0
351	354.0	7.437	35.063	4.03	0.75	27.406	0.441	1486.	1.0
352	354.6	7.440	35.063	4.01	0.75	27.406	0.442	1486.	1.0

STA 26 DAY: 13 TIME: 1720

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	13.6	43.6	12.3	59.2	17.4	91.4	15.2	126.9	13.7
0.8	13.6	44.0	12.2	59.3	17.3	91.8	15.1	127.6	13.6
1.3	13.5	44.1	12.1	59.6	17.2	92.4	15.1	129.2	13.6
2.5	13.6	44.4	12.0	60.2	17.2	92.8	15.1	130.2	13.6
3.7	13.5	45.2	12.0	60.4	17.1	93.7	15.1	131.1	13.6
4.7	13.5	45.3	12.0	61.0	17.1	94.1	15.1	132.0	13.5
6.2	13.5	45.3	12.1	62.1	17.0	94.5	15.0	132.5	13.4
7.5	13.5	45.6	12.2	62.9	17.0	94.7	14.9	132.8	13.3
8.4	13.5	45.8	12.2	63.3	16.8	95.0	14.8	133.7	13.2
9.2	13.5	45.7	12.4	63.5	16.6	95.2	14.8	134.1	13.1
10.0	13.5	45.8	12.4	63.9	16.5	95.3	14.7	135.3	13.1
11.2	13.5	45.8	12.4	64.3	16.4	95.5	14.6	136.7	13.1
13.2	13.5	46.0	12.5	64.5	16.3	95.5	14.5	138.0	13.1
14.4	13.5	46.3	12.6	64.4	16.3	95.5	14.4	138.9	13.0
15.9	13.5	46.3	12.6	64.7	16.2	95.6	14.3	139.5	13.0
17.6	13.5	46.5	12.6	65.0	16.1	96.1	14.3	140.2	12.9
19.0	13.5	46.8	12.7	65.3	16.0	96.4	14.2	141.3	12.9
20.2	13.4	47.1	12.9	65.8	15.9	96.9	14.2	142.6	12.9
21.6	13.4	47.1	12.9	66.2	15.8	97.8	14.2	143.3	12.9
23.2	13.4	47.4	13.1	66.4	15.7	98.5	14.2	143.8	12.8
24.9	13.4	48.1	13.1	67.0	15.7	99.3	14.1	144.5	12.8
26.4	13.4	48.6	13.2	67.7	15.6	100.0	14.1	145.4	12.8
27.7	13.4	49.2	13.2	68.2	15.6	100.8	14.1	146.9	12.8
29.1	13.4	49.7	13.3	68.8	15.5	102.0	14.1	147.9	12.8
30.7	13.4	50.2	13.3	70.1	15.5	103.5	14.0	148.7	12.7
31.4	13.4	51.1	13.3	71.8	15.4	105.0	14.1	149.1	12.7
32.7	13.4	51.9	13.4	72.7	15.4	106.5	14.1	149.9	12.6
34.1	13.4	52.4	13.4	73.8	15.4	107.7	14.1	150.4	12.5
35.6	13.4	52.7	13.6	74.9	15.4	108.8	14.0	150.9	12.4
36.9	13.4	52.6	13.8	76.1	15.3	109.4	14.0	151.5	12.4
38.0	13.4	52.7	14.0	77.0	15.3	110.5	14.0	153.0	12.4
38.8	13.4	52.8	14.1	77.7	15.2	111.8	14.0	154.6	12.4
39.9	13.4	53.1	14.6	78.1	15.2	112.9	14.0	156.0	12.4
40.4	13.4	53.5	15.2	78.8	15.1	113.7	14.0	157.2	12.4
40.7	13.3	53.5	15.7	80.1	15.1	114.3	14.1	157.2	12.4
41.0	13.3	53.9	16.3	81.4	15.1	114.6	14.1	158.3	12.4
41.3	13.2	54.3	16.8	82.5	15.1	115.0	14.1	158.7	12.3
41.6	13.1	54.7	17.1	83.8	15.1	115.9	14.1	159.2	12.3
42.0	13.1	55.2	17.4	84.8	15.1	116.4	14.1	160.1	12.1
42.5	13.0	55.4	17.4	85.9	15.0	117.4	14.1	160.5	12.1
42.6	12.9	55.7	17.6	86.5	15.0	119.1	14.0	161.6	12.0
42.5	12.9	55.9	17.7	87.1	15.0	119.9	14.0	161.9	11.9
42.5	12.8	56.2	17.8	88.1	14.9	121.4	14.0	162.1	11.9
42.6	12.7	56.6	17.8	88.7	15.0	121.8	14.0	163.0	11.8
42.7	12.6	57.0	17.7	88.9	15.0	122.2	13.9	163.4	11.8
42.8	12.6	57.2	17.7	89.1	15.1	122.6	13.8	164.8	11.7
42.9	12.5	57.4	17.6	89.7	15.1	123.5	13.8	166.2	11.7
43.2	12.5	57.6	17.5	89.9	15.1	124.1	13.8	167.9	11.7
43.3	12.4	58.0	17.4	90.3	15.1	124.6	13.7	169.2	11.7
43.4	12.3	58.5	17.4	90.6	15.2	125.7	13.7	170.2	11.7

STA 26 DAY: 13 TIME: 1720

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
171.5	11.7	215.4	9.9	264.3	7.9	328.4	6.6	391.8	6.0
172.2	11.6	216.1	9.9	265.2	7.9	330.0	6.6	393.0	6.0
173.0	11.7	216.6	9.8	266.4	7.9	332.1	6.6	394.3	6.0
173.8	11.7	217.0	9.8	267.6	7.9	333.8	6.6	395.5	6.0
174.6	11.7	218.0	9.7	268.7	7.8	335.1	6.6	396.3	5.9
175.4	11.7	219.3	9.7	269.2	7.8	336.8	6.6	397.3	5.9
176.2	11.7	220.2	9.6	270.1	7.8	337.9	6.6	398.3	5.9
177.1	11.7	220.8	9.6	271.6	7.7	338.5	6.6	398.7	5.9
178.2	11.6	221.3	9.5	273.4	7.7	339.2	6.5	400.0	5.8
179.0	11.6	221.9	9.4	275.0	7.7	340.4	6.5	401.1	5.8
180.1	11.5	222.5	9.4	276.4	7.7	341.5	6.5	402.7	5.8
180.9	11.5	223.3	9.4	277.5	7.7	343.0	6.5	405.9	5.8
181.9	11.4	224.0	9.3	278.3	7.6	344.4	6.5	408.0	5.8
182.6	11.4	224.2	9.2	279.3	7.6	345.8	6.5	410.0	5.7
183.3	11.3	225.0	9.2	280.6	7.5	347.2	6.5	411.6	5.7
183.8	11.2	225.8	9.2	281.6	7.5	348.2	6.5	413.5	5.7
184.4	11.2	226.7	9.1	282.3	7.4	350.4	6.5	415.8	5.6
185.1	11.1	228.1	9.1	282.6	7.4	351.5	6.4	418.4	5.6
185.6	11.1	229.2	9.1	283.4	7.3	352.7	6.4	419.8	5.6
185.7	11.0	230.3	9.0	284.4	7.2	353.5	6.4	421.8	5.6
186.2	11.0	231.2	8.9	286.1	7.2	355.0	6.4	423.5	5.6
186.6	10.9	232.2	8.9	287.5	7.1	356.0	6.4	425.5	5.6
187.1	10.9	233.2	8.9	288.8	7.1	357.0	6.4	428.3	5.6
187.8	10.8	234.5	8.8	290.2	7.1	358.3	6.4	430.7	5.5
188.4	10.8	235.8	8.8	292.5	7.1	359.1	6.4	432.5	5.5
189.3	10.8	236.9	8.8	294.2	7.1	360.6	6.4	433.7	5.5
190.2	10.8	238.6	8.8	295.6	7.1	361.8	6.3	435.0	5.5
191.1	10.7	239.7	8.7	296.7	7.0	363.1	6.3	436.2	5.4
192.0	10.7	241.3	8.7	297.6	7.0	364.6	6.3	437.9	5.4
192.8	10.7	242.3	8.7	299.0	7.0	365.6	6.3	439.2	5.4
193.4	10.6	243.6	8.6	301.0	7.0	366.9	6.3	440.6	5.4
194.3	10.6	244.8	8.6	302.6	7.0	369.2	6.3	442.3	5.4
195.2	10.6	245.9	8.6	304.0	7.0	370.7	6.3	446.2	5.4
196.3	10.6	247.4	8.6	305.1	7.0	372.3	6.3	448.3	5.4
196.9	10.5	248.6	8.6	306.4	7.0	373.8	6.3	449.4	5.4
197.6	10.5	249.8	8.5	307.2	7.0	375.1	6.3	449.8	5.4
198.5	10.4	251.1	8.5	307.2	6.9	376.3	6.3	649.7	4.7
200.0	10.4	252.6	8.5	308.2	6.8	378.4	6.3	651.8	4.7
202.1	10.4	253.6	8.4	309.9	6.8	378.4	6.3	653.5	4.7
204.0	10.4	254.8	8.4	311.9	6.8	379.5	6.2	655.4	4.7
205.4	10.4	255.9	8.4	314.1	6.8	380.1	6.2	656.4	4.7
206.2	10.3	257.1	8.3	315.3	6.8	381.3	6.2	657.9	4.7
207.3	10.3	258.6	8.3	316.4	6.8	382.6	6.2	659.6	4.7
208.9	10.2	259.9	8.3	317.5	6.7	383.9	6.2	660.8	4.7
210.8	10.2	261.3	8.3	319.2	6.7	385.0	6.2	661.9	4.7
212.2	10.2	262.0	8.2	320.4	6.7	385.6	6.1	662.9	4.7
213.4	10.2	262.4	8.2	322.6	6.7	387.0	6.1	665.5	4.6
213.6	10.1	262.6	8.1	324.2	6.7	388.2	6.1	667.5	4.6
214.4	10.1	263.5	8.0	325.5	6.7	389.3	6.1	669.9	4.6
214.9	10.0	264.0	8.0	326.9	6.7	390.6	6.1	672.0	4.6

STA 26 DAY: 13 TIME: 1720

DEPTH (m)	TEMP (°C)
675.5	4.6
677.1	4.7
679.0	4.7
680.8	4.7
683.0	4.6
685.9	4.6
687.5	4.6
690.0	4.6
692.7	4.6
694.3	4.6
697.4	4.6
699.9	4.6
702.0	4.6
703.2	4.6
704.7	4.6
706.5	4.6
708.9	4.6
711.0	4.6
712.7	4.6
715.9	4.6
719.7	4.5
722.7	4.5
725.1	4.5
727.9	4.5
730.4	4.5
732.8	4.5
734.3	4.5
736.0	4.5
737.4	4.5
739.2	4.5
741.7	4.5
743.7	4.5
745.4	4.5
746.8	4.5
748.4	4.5
749.8	4.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	27	13 NOV 1982	18.0	40 17.2 N	67 28.3 W	137

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.7	12.608	33.016	6.07	0.71	24.934	0.000	1497.	1.5
4	3.9	12.604	33.016	6.25	0.73	24.934	0.004	1497.	1.5
6	6.0	12.594	33.015	6.27	0.72	24.935	0.010	1497.	1.5
8	8.1	12.561	33.008	6.27	0.72	24.936	0.016	1496.	1.5
10	10.0	12.465	32.991	6.25	0.72	24.941	0.022	1496.	1.5
12	11.9	12.450	32.990	6.25	0.72	24.944	0.028	1496.	1.5
14	14.2	12.453	32.992	6.24	0.72	24.944	0.034	1496.	1.4
16	16.0	12.473	32.994	6.18	0.73	24.942	0.040	1496.	1.8
18	18.1	12.473	32.994	6.21	0.73	24.942	0.046	1496.	3.0
19	19.6	12.456	32.992	6.16	0.73	24.944	0.051	1496.	4.1
22	22.1	12.424	32.987	6.13	0.73	24.946	0.058	1496.	5.7
24	23.8	12.361	32.991	6.20	0.73	24.962	0.063	1496.	7.5
26	26.2	12.318	33.045	6.25	0.71	25.011	0.070	1496.	8.4
27	27.7	12.257	33.065	6.27	0.70	25.038	0.075	1496.	8.6
30	30.2	12.689	33.298	6.16	0.69	25.136	0.082	1498.	8.5
32	31.9	15.098	34.122	5.77	0.70	25.274	0.087	1506.	7.9
34	34.1	16.042	34.363	5.74	0.68	25.249	0.093	1510.	7.0
36	35.8	16.419	34.467	5.67	0.68	25.242	0.097	1511.	5.9
38	38.0	16.508	34.503	5.61	0.68	25.249	0.103	1511.	3.8
40	40.3	16.387	34.472	5.52	0.68	25.254	0.110	1511.	3.1
42	41.9	16.174	34.427	5.29	0.68	25.268	0.114	1510.	4.7
44	44.1	15.586	34.282	5.37	0.68	25.290	0.120	1508.	5.9
46	46.1	14.623	33.961	5.37	0.68	25.253	0.125	1505.	7.1
48	47.9	13.393	33.728	5.39	0.68	25.330	0.130	1501.	8.5
50	50.0	13.389	33.793	5.35	0.67	25.381	0.136	1501.	9.4
52	52.2	13.789	33.971	5.23	0.66	25.436	0.141	1502.	10.0
53	53.8	14.692	34.317	5.05	0.66	25.513	0.145	1506.	10.3
56	56.2	16.099	34.886	4.86	0.65	25.638	0.151	1511.	10.6
57	57.9	16.598	35.116	4.67	0.64	25.700	0.155	1513.	11.0
60	60.1	16.078	34.994	4.60	0.64	25.726	0.160	1511.	11.0
61	61.8	15.859	34.951	4.47	0.65	25.743	0.164	1510.	10.9
64	64.3	15.579	35.133	4.40	0.64	25.947	0.169	1510.	11.0
65	65.8	15.657	35.239	4.26	0.64	26.010	0.172	1510.	11.2
68	68.2	15.699	35.298	4.20	0.63	26.046	0.177	1510.	11.2
69	70.0	15.506	35.351	4.19	0.63	26.131	0.181	1510.	10.7
72	72.1	15.240	35.420	4.18	0.63	26.244	0.185	1509.	9.9
73	74.0	15.220	35.479	4.13	0.63	26.293	0.188	1509.	9.6
75	75.8	15.212	35.498	4.11	0.63	26.310	0.191	1509.	9.3
77	78.1	15.291	35.592	4.06	0.64	26.365	0.195	1510.	8.7
79	79.9	15.388	35.692	4.02	0.63	26.420	0.198	1510.	8.0
81	82.1	15.324	35.733	4.03	0.62	26.466	0.201	1510.	7.6
83	83.8	15.192	35.730	4.02	0.63	26.493	0.204	1510.	7.2
85	86.0	14.850	35.698	4.01	0.63	26.545	0.207	1508.	6.6
87	88.1	14.724	35.664	4.00	0.64	26.546	0.211	1508.	6.1
89	89.8	14.618	35.647	3.97	0.64	26.555	0.213	1508.	5.9
91	92.0	14.775	35.718	3.94	0.64	26.576	0.216	1508.	5.6
93	94.1	14.645	35.713	3.98	0.64	26.601	0.219	1508.	5.2
95	96.0	14.226	35.635	4.01	0.65	26.631	0.222	1507.	5.3
97	98.0	14.064	35.618	4.01	0.65	26.652	0.225	1506.	5.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	27	13 NOV 1982	18.0	40 17.2 N	67 28.3 W	137

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	100.0	14.044	35.613	4.02	0.65	26.653	0.228	1506.	5.0
101	102.1	14.063	35.630	4.01	0.65	26.661	0.231	1506.	4.7
103	103.7	13.987	35.631	4.02	0.64	26.678	0.233	1506.	4.4
105	106.0	13.847	35.620	4.04	0.61	26.699	0.236	1505.	4.2
107	108.2	13.860	35.639	4.03	0.64	26.711	0.239	1506.	4.3
109	109.9	13.843	35.642	4.00	0.66	26.717	0.241	1506.	4.2
111	112.0	13.862	35.654	3.99	0.65	26.723	0.244	1506.	3.9
113	114.2	13.932	35.686	3.97	0.66	26.733	0.247	1506.	3.6
115	115.9	14.020	35.733	3.95	0.66	26.751	0.249	1506.	3.5
117	117.9	14.012	35.738	3.95	0.66	26.756	0.252	1506.	3.4
119	120.1	13.977	35.733	3.95	0.66	26.759	0.255	1506.	3.3
121	121.8	13.958	35.729	3.93	0.66	26.761	0.257	1506.	3.2
123	124.0	13.900	35.727	3.92	0.65	26.771	0.260	1506.	3.0
125	126.4	13.654	35.665	3.94	0.67	26.774	0.263	1505.	3.0
127	127.8	13.529	35.640	3.90	0.68	26.781	0.265	1505.	3.0
129	130.0	13.450	35.630	3.89	0.68	26.790	0.268	1505.	2.9
131	132.0	13.406	35.622	3.90	0.68	26.792	0.270	1504.	2.7
133	133.8	13.385	35.618	3.89	0.68	26.794	0.273	1504.	2.9
135	136.0	13.372	35.620	3.90	0.68	26.798	0.276	1504.	3.1
137	138.0	13.378	35.627	3.91	0.69	26.803	0.278	1504.	3.3
139	140.0	13.420	35.644	3.88	0.69	26.807	0.281	1505.	3.5
141	141.8	13.518	35.692	3.89	0.68	26.824	0.283	1505.	3.6
143	144.1	13.565	35.723	3.87	0.68	26.838	0.286	1505.	3.7
145	146.2	13.541	35.722	3.87	0.68	26.842	0.288	1505.	3.9
147	147.9	13.509	35.722	3.82	0.68	26.849	0.290	1505.	4.0
149	150.0	13.450	35.715	3.81	0.68	26.855	0.293	1505.	4.0
151	151.9	13.336	35.696	3.75	0.69	26.864	0.295	1505.	4.0
153	154.0	13.182	35.683	3.72	0.69	26.885	0.298	1504.	4.0
155	156.0	13.088	35.671	3.70	0.69	26.896	0.300	1504.	4.0
157	158.0	13.051	35.667	3.65	0.69	26.900	0.303	1504.	3.9
158	159.6	13.003	35.661	3.59	0.70	26.905	0.305	1504.	3.8
161	161.9	12.932	35.655	3.59	0.69	26.915	0.307	1503.	3.6
163	164.1	12.832	35.642	3.60	0.68	26.925	0.310	1503.	3.5
164	165.8	12.742	35.630	3.58	0.69	26.934	0.312	1503.	3.4
167	168.1	12.661	35.622	3.55	0.69	26.944	0.314	1503.	3.3
169	170.0	12.645	35.620	3.51	0.70	26.946	0.317	1503.	3.2
171	172.0	12.592	35.616	3.47	0.70	26.953	0.319	1502.	2.9
173	174.3	12.543	35.606	3.46	0.70	26.955	0.322	1502.	2.7
174	175.9	12.479	35.600	3.43	0.71	26.962	0.323	1502.	2.4
177	178.1	12.449	35.597	3.44	0.70	26.966	0.326	1502.	2.3
178	179.9	12.446	35.597	3.43	0.71	26.967	0.328	1502.	2.1
181	182.0	12.442	35.597	3.43	0.70	26.967	0.330	1502.	2.2
182	184.0	12.438	35.597	3.41	0.71	26.968	0.332	1502.	2.3
185	186.3	12.374	35.587	3.43	0.71	26.974	0.335	1502.	2.7
186	188.0	12.346	35.582	3.41	0.71	26.975	0.337	1502.	3.1
188	189.9	12.242	35.569	3.41	0.71	26.985	0.339	1501.	3.3
190	192.0	12.186	35.562	3.40	0.71	26.991	0.341	1501.	3.5
193	194.3	12.050	35.543	3.39	0.71	27.002	0.344	1501.	3.6
194	195.9	11.954	35.533	3.36	0.72	27.013	0.346	1501.	3.8
196	198.0	11.918	35.528	3.34	0.71	27.016	0.348	1500.	4.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	27	13 NOV 1982	18.0	40 17.2 N	67 28.3 W	137

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
199	200.1	11.813	35.515	3.34	0.71	27.025	0.350	1500.	4.1
200	201.8	11.721	35.500	3.30	0.72	27.031	0.352	1500.	4.2
202	204.0	11.501	35.473	3.30	0.72	27.052	0.354	1499.	4.3
204	206.0	11.363	35.455	3.31	0.72	27.063	0.356	1499.	4.4
207	208.2	11.230	35.437	3.27	0.72	27.074	0.359	1498.	4.3
208	209.8	11.124	35.423	3.25	0.72	27.083	0.360	1498.	4.1
210	212.0	10.997	35.411	3.26	0.72	27.097	0.363	1497.	3.9
212	214.2	10.870	35.391	3.26	0.72	27.104	0.365	1497.	3.7
214	215.7	10.822	35.386	3.28	0.72	27.109	0.366	1497.	3.5
216	218.0	10.713	35.371	3.29	0.73	27.117	0.369	1496.	3.5
218	220.0	10.643	35.363	3.30	0.72	27.123	0.371	1496.	3.4
220	222.1	10.571	35.353	3.27	0.72	27.128	0.373	1496.	3.5
222	223.9	10.511	35.349	3.27	0.73	27.136	0.374	1496.	3.5
224	226.1	10.381	35.333	3.27	0.72	27.147	0.376	1495.	3.5
226	227.9	10.245	35.312	3.25	0.72	27.154	0.378	1495.	3.6
228	230.0	10.183	35.308	3.21	0.73	27.161	0.380	1495.	3.6
230	232.2	10.122	35.299	3.22	0.73	27.165	0.382	1494.	3.8
232	233.8	9.951	35.277	3.19	0.73	27.177	0.384	1494.	4.0
234	236.3	9.863	35.269	3.18	0.73	27.186	0.386	1494.	4.0
236	237.9	9.790	35.261	3.19	0.73	27.192	0.388	1493.	4.0
238	240.0	9.447	35.214	3.24	0.73	27.213	0.389	1492.	3.8
240	242.0	9.378	35.210	3.23	0.73	27.221	0.391	1492.	3.6
242	243.9	9.354	35.208	3.22	0.73	27.224	0.393	1492.	3.4
244	246.0	9.326	35.207	3.21	0.73	27.228	0.395	1492.	3.2
246	248.0	9.290	35.204	3.22	0.73	27.231	0.397	1492.	3.0
248	250.3	9.196	35.191	3.26	0.73	27.237	0.399	1491.	3.0
250	251.8	9.134	35.190	3.26	0.74	27.245	0.400	1491.	3.1
252	254.0	9.070	35.185	3.28	0.73	27.252	0.402	1491.	3.0
254	256.1	8.983	35.176	3.27	0.72	27.259	0.404	1491.	2.8
256	257.9	8.916	35.166	3.29	0.73	27.262	0.405	1490.	2.6
258	260.0	8.899	35.167	3.30	0.73	27.266	0.407	1490.	2.4
260	262.0	8.891	35.166	3.30	0.73	27.266	0.409	1490.	2.3
262	264.2	8.876	35.165	3.32	0.73	27.268	0.410	1490.	2.2
264	265.9	8.847	35.163	3.32	0.74	27.271	0.412	1490.	2.1
266	267.9	8.795	35.158	3.34	0.73	27.275	0.414	1490.	2.1
268	270.0	8.749	35.155	3.33	0.74	27.280	0.415	1490.	2.1
270	271.8	8.726	35.152	3.32	0.73	27.282	0.417	1490.	1.9
272	274.0	8.720	35.152	3.34	0.73	27.283	0.419	1490.	1.8
274	276.1	8.709	35.151	3.34	0.73	27.284	0.420	1490.	1.6
275	277.8	8.698	35.150	3.36	0.74	27.284	0.422	1490.	1.6
278	280.0	8.680	35.149	3.36	0.73	27.286	0.424	1490.	1.8
280	282.2	8.656	35.146	3.34	0.73	27.288	0.425	1490.	2.5
281	283.8	8.631	35.144	3.37	0.74	27.291	0.427	1490.	2.9
284	286.2	8.596	35.141	3.38	0.74	27.293	0.429	1490.	3.3
285	287.6	8.543	35.137	3.42	0.74	27.298	0.430	1489.	3.5
288	289.9	8.356	35.126	3.43	0.74	27.319	0.432	1489.	3.5
290	292.2	8.246	35.112	3.44	0.73	27.325	0.434	1488.	3.4
292	294.0	8.164	35.109	3.54	0.74	27.335	0.435	1488.	3.1
294	296.1	8.135	35.105	3.54	0.73	27.336	0.437	1488.	2.6
295	298.0	8.126	35.103	3.59	0.74	27.336	0.438	1488.	1.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	27	13 NOV 1982	18.0	40 17.2 N	67 28.3 W	137

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
297	299.8	8.118	35.102	3.61	0.74	27.336	0.440	1488.	1.2
299	302.0	8.113	35.100	3.57	0.73	27.336	0.441	1488.	0.7
302	304.1	8.103	35.099	3.58	0.70	27.337	0.443	1488.	0.8
304	306.1	8.091	35.096	3.59	0.73	27.336	0.445	1488.	1.0
305	308.0	8.078	35.094	3.62	0.73	27.336	0.446	1488.	1.2
307	310.0	8.064	35.094	3.63	0.68	27.338	0.448	1488.	1.4
310	312.3	8.040	35.091	3.64	0.72	27.340	0.449	1488.	1.6
311	313.9	8.027	35.091	3.64	0.74	27.341	0.451	1488.	1.8
313	316.0	8.019	35.091	3.64	0.74	27.343	0.452	1488.	1.9
316	318.2	7.991	35.088	3.66	0.74	27.345	0.454	1488.	2.1
317	319.9	7.955	35.086	3.66	0.74	27.348	0.455	1488.	2.2
319	321.9	7.935	35.086	3.68	0.74	27.352	0.457	1488.	2.1
321	323.9	7.919	35.087	3.69	0.74	27.354	0.458	1488.	2.1
323	326.1	7.884	35.087	3.66	0.74	27.360	0.460	1488.	2.0
325	327.7	7.885	35.087	3.71	0.74	27.360	0.461	1488.	1.9
327	330.0	7.887	35.089	3.71	0.74	27.361	0.463	1488.	1.8
329	332.1	7.884	35.089	3.72	0.74	27.362	0.465	1488.	1.8
331	333.9	7.863	35.088	3.71	0.75	27.364	0.466	1488.	1.7
333	336.1	7.832	35.087	3.70	0.74	27.367	0.468	1487.	1.8
335	337.6	7.812	35.085	3.74	0.74	27.369	0.469	1487.	2.0
337	340.1	7.808	35.086	3.75	0.74	27.370	0.471	1487.	2.3
339	341.7	7.805	35.086	3.78	0.74	27.371	0.472	1487.	2.6
341	344.0	7.779	35.087	3.81	0.74	27.376	0.474	1487.	2.7
343	346.1	7.645	35.067	3.84	0.74	27.379	0.475	1487.	2.8
345	347.8	7.515	35.060	3.88	0.75	27.393	0.477	1486.	2.8
347	350.0	7.477	35.059	3.90	0.75	27.398	0.478	1486.	2.8
349	352.2	7.456	35.055	3.91	0.74	27.398	0.480	1486.	2.6
351	354.0	7.421	35.052	3.94	0.75	27.400	0.481	1486.	2.4
353	356.2	7.407	35.053	3.95	0.74	27.403	0.483	1486.	2.2
355	358.0	7.375	35.049	3.98	0.75	27.405	0.484	1486.	2.3
357	359.9	7.331	35.049	3.95	0.75	27.411	0.485	1486.	2.4
359	362.2	7.316	35.049	4.00	0.75	27.413	0.487	1486.	2.4
361	363.9	7.277	35.048	3.98	0.75	27.418	0.488	1486.	2.3
363	366.4	7.223	35.045	3.98	0.74	27.423	0.490	1486.	2.2
365	368.0	7.202	35.043	4.04	0.75	27.424	0.491	1486.	2.2
367	370.2	7.198	35.044	4.06	0.75	27.426	0.493	1486.	2.3
369	371.9	7.201	35.046	4.06	0.75	27.427	0.494	1486.	2.4
371	373.9	7.203	35.049	4.07	0.75	27.429	0.495	1486.	2.6
373	376.1	7.164	35.053	4.05	0.75	27.438	0.497	1486.	2.7
375	377.9	7.113	35.049	4.06	0.75	27.442	0.498	1485.	2.7
377	379.9	7.019	35.039	4.08	0.75	27.447	0.499	1485.	2.6
379	382.0	6.974	35.038	4.10	0.75	27.453	0.501	1485.	2.5
381	384.0	6.965	35.038	4.11	0.75	27.454	0.502	1485.	2.2
383	385.9	6.941	35.035	4.11	0.75	27.455	0.504	1485.	2.1
385	388.0	6.904	35.032	4.12	0.75	27.457	0.505	1485.	2.2
387	390.0	6.881	35.029	4.14	0.75	27.459	0.506	1485.	2.2
389	392.0	6.843	35.026	4.17	0.75	27.461	0.508	1485.	2.2
390	393.9	6.747	35.016	4.19	0.75	27.466	0.509	1484.	2.2
393	396.0	6.698	35.014	4.18	0.75	27.472	0.510	1484.	2.2
395	398.2	6.693	35.015	4.18	0.75	27.473	0.512	1484.	2.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	27	13 NOV 1982	18.0	40 17.2 N	67 28.3 W	137

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
396	399.8	6.688	35.015	4.23	0.76	27.473	0.513	1484.	2.0
399	402.0	6.669	35.013	4.25	0.75	27.475	0.514	1484.	1.9
400	403.9	6.628	35.009	4.24	0.76	27.477	0.516	1484.	1.9
403	406.1	6.584	35.005	4.26	0.75	27.480	0.517	1484.	1.9
404	407.9	6.551	35.003	4.28	0.75	27.483	0.518	1484.	1.8
407	410.1	6.529	35.002	4.31	0.75	27.485	0.520	1484.	1.7
409	412.1	6.524	35.002	4.31	0.75	27.486	0.521	1484.	1.5
410	414.0	6.518	35.002	4.35	0.76	27.487	0.522	1484.	1.4
412	415.9	6.516	35.002	4.33	0.76	27.487	0.523	1484.	1.3
414	418.0	6.514	35.002	4.34	0.76	27.487	0.525	1484.	1.5
416	420.1	6.495	35.001	4.33	0.75	27.489	0.526	1484.	1.7
418	422.0	6.479	35.000	4.34	0.76	27.490	0.527	1484.	1.9
420	424.0	6.454	34.999	4.36	0.76	27.492	0.529	1483.	2.1
422	426.1	6.399	34.996	4.37	0.76	27.497	0.530	1483.	2.3
424	428.0	6.383	34.995	4.39	0.76	27.499	0.531	1483.	2.3
426	430.1	6.285	34.983	4.42	0.76	27.502	0.532	1483.	2.3
428	432.1	6.245	34.982	4.44	0.76	27.507	0.534	1483.	2.2
430	434.0	6.221	34.981	4.43	0.76	27.509	0.535	1483.	2.0
432	435.9	6.203	34.979	4.46	0.76	27.510	0.536	1483.	2.0
434	438.1	6.194	34.980	4.48	0.76	27.512	0.538	1483.	2.1
436	439.9	6.193	34.980	4.47	0.76	27.512	0.539	1483.	2.3
438	442.0	6.119	34.971	4.47	0.76	27.514	0.540	1482.	2.5
440	444.1	5.983	34.952	4.53	0.76	27.517	0.541	1482.	2.7
442	445.6	5.906	34.950	4.56	0.77	27.526	0.542	1482.	2.8
444	448.1	5.866	34.954	4.56	0.76	27.534	0.544	1482.	2.9
446	450.0	5.843	34.953	4.62	0.77	27.536	0.545	1481.	2.9
448	452.1	5.800	34.953	4.65	0.77	27.541	0.546	1481.	2.8
450	454.0	5.777	34.952	4.69	0.77	27.543	0.547	1481.	2.6
452	455.9	5.744	34.951	4.68	0.77	27.546	0.548	1481.	2.5
454	457.9	5.662	34.946	4.69	0.77	27.553	0.550	1481.	2.5
456	460.2	5.616	34.943	4.68	0.76	27.556	0.551	1481.	2.3
458	461.7	5.601	34.943	4.75	0.78	27.558	0.552	1481.	2.2
460	463.9	5.596	34.945	4.76	0.78	27.560	0.553	1481.	2.1
462	466.0	5.587	34.946	4.78	0.77	27.562	0.554	1481.	1.9
464	468.1	5.572	34.947	4.80	0.77	27.565	0.555	1481.	1.8
466	469.9	5.560	34.949	4.79	0.78	27.567	0.556	1481.	1.7
468	472.0	5.551	34.949	4.81	0.78	27.569	0.558	1481.	1.6
470	474.3	5.543	34.949	4.82	0.77	27.570	0.559	1481.	1.4
472	476.0	5.540	34.949	4.82	0.78	27.570	0.560	1481.	1.2
474	478.1	5.534	34.949	4.83	0.78	27.571	0.561	1481.	1.1
476	479.9	5.533	34.949	4.83	0.78	27.571	0.562	1481.	1.0
478	482.2	5.530	34.949	4.84	0.77	27.571	0.563	1481.	1.0
480	483.9	5.521	34.948	4.83	0.78	27.572	0.564	1481.	1.0
482	485.9	5.514	34.949	4.83	0.78	27.573	0.566	1481.	1.0
484	488.0	5.509	34.949	4.85	0.78	27.574	0.567	1481.	0.9
486	490.4	5.507	34.949	4.82	0.77	27.574	0.568	1481.	0.9
487	491.9	5.506	34.949	4.84	0.79	27.575	0.569	1481.	0.8
490	494.0	5.504	34.949	4.84	0.78	27.575	0.570	1481.	0.9
492	496.1	5.504	34.949	4.85	0.78	27.575	0.571	1481.	1.1
493	497.7	5.502	34.949	4.87	0.78	27.575	0.572	1481.	1.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	27	13 NOV 1982	18.0	40 17.2 N	67 28.3 W	137

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
496	500.0	5.488	34.948	4.87	0.79	27.576	0.574	1481.	1.3
515	519.9	5.277	34.946	4.99	0.79	27.600	0.585	1480.	2.0
535	540.0	5.208	34.946	5.03	0.79	27.608	0.596	1480.	1.1
555	560.0	5.136	34.943	5.10	0.78	27.614	0.606	1480.	1.2
575	580.0	5.093	34.944	5.16	0.80	27.620	0.617	1481.	0.8
594	599.8	5.050	34.945	5.15	0.80	27.626	0.627	1481.	1.6
614	619.9	5.038	34.916	5.19	0.80	27.604	0.638	1481.	1.1
634	640.3	4.939	34.954	5.29	0.80	27.646	0.648	1481.	1.2
654	660.1	4.850	34.953	5.35	0.81	27.656	0.658	1481.	0.9
674	680.3	4.732	34.947	5.42	0.81	27.664	0.668	1481.	1.3
693	699.9	4.659	34.942	5.47	0.82	27.669	0.678	1481.	1.1
713	719.8	4.640	34.948	5.49	0.82	27.675	0.688	1481.	1.2
733	740.4	4.619	34.951	5.52	0.82	27.680	0.698	1481.	0.8
753	759.9	4.589	34.952	5.52	0.83	27.684	0.707	1481.	0.8
773	780.0	4.555	34.951	5.53	0.83	27.687	0.717	1482.	0.9
793	800.2	4.520	34.950	5.58	0.83	27.691	0.727	1482.	0.8
812	820.0	4.502	34.949	5.62	0.82	27.692	0.736	1482.	0.6
832	840.2	4.445	34.946	5.63	0.84	27.695	0.746	1482.	0.9
852	860.0	4.366	34.950	5.72	0.85	27.707	0.755	1482.	0.3
872	880.2	4.353	34.939	5.73	0.85	27.700	0.765	1482.	-0.3
891	899.7	4.333	34.937	5.71	0.86	27.701	0.774	1483.	0.4
911	919.9	4.304	34.939	5.79	0.86	27.705	0.784	1483.	0.9
931	940.1	4.261	34.933	5.81	0.86	27.705	0.793	1483.	1.0
950	960.0	4.240	34.933	5.78	0.87	27.708	0.803	1483.	0.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	28	13 NOV 1982	20.3	40 15.0 N	67 37.8 W	121

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	1.5	18.005	35.073	5.47	0.73	25.328	0.000	1516.	-0.4
3	2.8	18.010	35.075	5.56	0.70	25.328	0.003	1516.	-0.4
5	4.8	18.041	35.083	5.60	0.70	25.327	0.009	1516.	-0.4
7	7.1	18.061	35.092	5.62	0.69	25.328	0.015	1516.	-0.4
9	9.0	18.054	35.087	5.64	0.68	25.327	0.020	1516.	-0.4
11	11.1	18.045	35.085	5.70	0.69	25.327	0.025	1516.	-0.5
13	12.9	18.052	35.087	5.69	0.70	25.327	0.030	1516.	-0.4
15	15.0	18.059	35.089	5.75	0.69	25.327	0.036	1516.	-0.6
17	17.0	18.066	35.091	5.78	0.69	25.326	0.041	1516.	-0.5
19	19.2	18.062	35.089	5.74	0.70	25.326	0.047	1516.	-0.4
21	20.9	18.067	35.090	5.63	0.70	25.326	0.051	1516.	0.1
23	23.1	18.071	35.091	5.70	0.70	25.325	0.057	1516.	-0.2
25	24.8	18.078	35.093	5.67	0.70	25.325	0.061	1517.	-0.1
27	27.1	18.210	35.137	5.66	0.70	25.326	0.068	1517.	0.5
29	28.8	18.201	35.135	5.61	0.71	25.327	0.072	1517.	0.7
31	31.0	18.096	35.098	5.64	0.71	25.325	0.078	1517.	0.6
33	33.2	18.100	35.100	5.65	0.71	25.325	0.084	1517.	0.5
35	34.9	18.129	35.113	5.60	0.72	25.328	0.088	1517.	1.0
37	36.9	18.147	35.119	5.69	0.72	25.328	0.094	1517.	1.1
39	39.1	18.109	35.103	5.73	0.72	25.325	0.099	1517.	1.3
40	40.7	18.119	35.107	5.70	0.72	25.326	0.104	1517.	1.7
43	43.1	18.315	35.181	5.70	0.72	25.334	0.110	1518.	2.1
45	44.9	18.303	35.172	5.71	0.73	25.330	0.115	1518.	2.5
47	47.0	18.338	35.188	5.65	0.73	25.333	0.120	1518.	2.9
49	49.1	18.476	35.249	5.64	0.73	25.345	0.126	1518.	3.4
51	50.9	18.379	35.225	5.58	0.73	25.351	0.131	1518.	4.4
53	53.0	18.322	35.214	5.51	0.73	25.357	0.136	1518.	5.4
55	55.1	18.173	35.177	5.38	0.72	25.366	0.142	1517.	7.2
57	57.0	17.984	35.153	5.26	0.72	25.394	0.147	1517.	8.5
59	59.0	17.774	35.152	5.09	0.71	25.445	0.152	1516.	10.8
61	61.0	17.636	35.167	4.89	0.70	25.491	0.157	1516.	12.8
63	63.0	16.967	35.177	4.79	0.70	25.659	0.162	1514.	13.7
64	64.9	16.852	35.217	4.53	0.68	25.717	0.166	1514.	14.0
66	67.0	16.006	35.340	4.37	0.66	26.009	0.170	1511.	13.7
68	69.0	15.169	35.341	4.26	0.65	26.198	0.174	1509.	12.8
71	71.2	15.054	35.327	4.16	0.65	26.213	0.178	1508.	11.4
72	73.0	14.937	35.318	4.19	0.65	26.232	0.182	1508.	9.9
74	74.9	14.855	35.327	4.28	0.65	26.257	0.185	1508.	7.6
76	77.1	14.811	35.352	4.34	0.65	26.286	0.189	1508.	7.0
78	79.1	14.476	35.307	4.41	0.66	26.324	0.192	1507.	7.7
80	80.9	14.346	35.300	4.41	0.66	26.346	0.195	1506.	8.3
82	83.0	14.510	35.383	4.36	0.66	26.375	0.199	1507.	8.6
84	85.2	14.670	35.539	4.28	0.66	26.461	0.202	1508.	8.7
86	86.9	14.675	35.632	4.16	0.66	26.532	0.205	1508.	8.4
88	89.1	14.647	35.688	4.14	0.66	26.580	0.208	1508.	8.1
90	90.7	14.646	35.713	4.05	0.67	26.600	0.211	1508.	7.5
92	93.0	14.636	35.746	4.00	0.66	26.628	0.214	1508.	6.5
94	95.2	14.576	35.758	3.98	0.67	26.650	0.217	1508.	5.7
96	97.0	14.537	35.765	3.96	0.67	26.665	0.220	1508.	5.3

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DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
98	98.9	14.500	35.773	3.98	0.67	26.679	0.222	1508.	5.0
100	101.2	14.442	35.779	3.98	0.67	26.696	0.225	1507.	4.8
102	102.9	14.402	35.781	3.97	0.68	26.706	0.228	1507.	4.6
104	104.9	14.339	35.782	3.97	0.68	26.720	0.231	1507.	4.4
106	107.0	14.278	35.786	3.99	0.68	26.736	0.233	1507.	4.1
108	109.2	14.206	35.778	3.98	0.68	26.746	0.236	1507.	3.8
110	110.8	14.174	35.776	3.98	0.68	26.751	0.238	1507.	3.6
112	113.0	14.131	35.773	4.00	0.68	26.757	0.241	1507.	3.4
114	115.3	14.095	35.768	4.00	0.69	26.762	0.244	1507.	3.3
116	116.8	14.060	35.766	3.99	0.69	26.767	0.246	1506.	3.3
118	119.1	14.001	35.764	3.99	0.69	26.778	0.249	1506.	3.5
120	120.9	13.979	35.763	3.97	0.69	26.782	0.251	1506.	3.7
122	123.1	13.898	35.757	3.96	0.69	26.795	0.254	1506.	3.9
124	124.9	13.873	35.757	3.94	0.70	26.800	0.257	1506.	3.9
126	127.0	13.801	35.755	3.93	0.70	26.813	0.259	1506.	4.0
128	129.0	13.700	35.745	3.87	0.70	26.827	0.262	1506.	4.2
130	131.0	13.662	35.746	3.78	0.70	26.835	0.264	1505.	4.4
132	133.3	13.580	35.735	3.76	0.70	26.844	0.267	1505.	4.6
134	134.8	13.498	35.729	3.69	0.71	26.856	0.269	1505.	4.7
136	137.0	13.287	35.699	3.65	0.71	26.877	0.272	1504.	4.7
138	139.0	13.198	35.689	3.63	0.71	26.887	0.274	1504.	4.6
140	140.9	12.949	35.656	3.62	0.71	26.912	0.276	1503.	4.3
142	143.3	12.903	35.654	3.58	0.71	26.920	0.279	1503.	4.0
144	144.8	12.887	35.653	3.51	0.72	26.922	0.281	1503.	3.4
146	147.0	12.826	35.645	3.53	0.71	26.928	0.283	1503.	3.0
148	149.1	12.757	35.634	3.53	0.72	26.934	0.286	1503.	2.5
150	151.0	12.744	35.634	3.49	0.72	26.936	0.288	1503.	2.9
152	153.0	12.737	35.633	3.50	0.72	26.937	0.290	1503.	3.1
154	155.1	12.716	35.630	3.52	0.72	26.939	0.293	1503.	3.3
156	156.9	12.616	35.614	3.51	0.73	26.946	0.295	1502.	3.4
158	159.1	12.376	35.585	3.48	0.73	26.971	0.297	1501.	3.5
160	160.9	12.343	35.580	3.47	0.73	26.974	0.299	1501.	3.5
162	163.0	12.308	35.577	3.46	0.73	26.978	0.302	1501.	3.3
164	165.0	12.242	35.566	3.45	0.73	26.982	0.304	1501.	3.2
165	166.8	12.189	35.561	3.41	0.74	26.989	0.306	1501.	3.3
168	169.0	12.172	35.560	3.40	0.74	26.991	0.308	1501.	3.6
170	171.0	12.122	35.553	3.40	0.74	26.996	0.310	1501.	3.7
172	173.0	11.903	35.520	3.41	0.74	27.012	0.313	1500.	3.7
174	175.0	11.742	35.506	3.35	0.75	27.032	0.315	1499.	3.7
176	177.1	11.697	35.498	3.36	0.74	27.034	0.317	1499.	3.7
178	179.0	11.669	35.494	3.36	0.74	27.037	0.319	1499.	3.5
179	180.9	11.579	35.480	3.35	0.74	27.042	0.321	1499.	3.1
182	183.0	11.493	35.472	3.33	0.73	27.053	0.323	1499.	2.8
184	185.1	11.420	35.465	3.33	0.73	27.061	0.325	1498.	2.8
186	187.1	11.404	35.460	3.35	0.74	27.060	0.327	1498.	2.9
187	188.9	11.380	35.457	3.32	0.74	27.062	0.329	1498.	2.9
189	191.0	11.330	35.451	3.32	0.74	27.066	0.331	1498.	2.8
191	192.9	11.247	35.439	3.32	0.74	27.073	0.333	1498.	3.0
193	195.0	11.131	35.425	3.32	0.74	27.083	0.336	1498.	3.3
195	197.0	11.089	35.420	3.31	0.74	27.087	0.338	1497.	3.5

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198	199.1	11.004	35.406	3.29	0.74	27.092	0.340	1497.	3.7
199	200.8	10.896	35.394	3.28	0.74	27.101	0.341	1497.	3.8
201	202.9	10.816	35.386	3.27	0.74	27.110	0.343	1497.	3.7
204	205.3	10.619	35.360	3.25	0.74	27.125	0.346	1496.	3.9
205	206.9	10.540	35.353	3.21	0.75	27.133	0.347	1496.	3.9
207	209.1	10.477	35.345	3.20	0.74	27.139	0.349	1495.	3.7
209	211.0	10.372	35.328	3.21	0.75	27.144	0.351	1495.	3.5
211	213.0	10.196	35.309	3.21	0.75	27.160	0.353	1494.	3.2
213	215.1	10.146	35.305	3.22	0.75	27.165	0.355	1494.	2.9
215	217.0	10.132	35.304	3.21	0.75	27.167	0.357	1494.	2.6
217	218.9	10.122	35.303	3.21	0.75	27.168	0.359	1494.	2.3
219	221.0	10.101	35.301	3.22	0.75	27.170	0.361	1494.	2.0
221	223.1	10.075	35.298	3.21	0.73	27.172	0.363	1494.	2.0
223	225.1	10.036	35.292	3.22	0.75	27.174	0.365	1494.	2.1
225	227.0	10.002	35.289	3.22	0.75	27.178	0.366	1494.	2.2
227	229.0	9.962	35.283	3.23	0.75	27.180	0.368	1494.	2.3
229	231.2	9.901	35.274	3.24	0.75	27.183	0.370	1494.	2.4
231	232.8	9.868	35.273	3.25	0.76	27.188	0.372	1494.	2.5
233	234.9	9.854	35.271	3.23	0.76	27.189	0.374	1493.	2.5
235	237.1	9.779	35.262	3.25	0.75	27.195	0.376	1493.	2.6
237	238.8	9.717	35.255	3.26	0.76	27.200	0.377	1493.	2.8
239	241.0	9.701	35.255	3.23	0.75	27.202	0.379	1493.	2.9
241	243.2	9.645	35.247	3.26	0.75	27.206	0.381	1493.	3.1
243	244.8	9.575	35.242	3.27	0.76	27.213	0.383	1493.	3.1
245	247.1	9.458	35.230	3.28	0.75	27.224	0.385	1492.	3.2
247	249.1	9.391	35.223	3.30	0.76	27.229	0.386	1492.	3.2
249	251.1	9.342	35.218	3.32	0.76	27.234	0.388	1492.	3.2
251	252.8	9.307	35.216	3.33	0.76	27.238	0.390	1492.	3.2
253	255.0	9.243	35.213	3.33	0.76	27.246	0.392	1492.	3.1
255	257.2	9.148	35.201	3.35	0.75	27.252	0.393	1491.	3.1
257	258.7	9.051	35.184	3.38	0.76	27.255	0.395	1491.	3.0
259	261.2	8.927	35.172	3.35	0.76	27.265	0.397	1490.	2.8
261	262.9	8.895	35.171	3.33	0.76	27.269	0.398	1490.	2.6
263	265.0	8.884	35.171	3.32	0.76	27.271	0.400	1490.	2.3
265	266.9	8.871	35.170	3.33	0.76	27.272	0.402	1490.	2.1
267	269.2	8.861	35.170	3.35	0.76	27.274	0.404	1490.	1.8
269	271.0	8.842	35.169	3.34	0.76	27.277	0.405	1490.	1.7
271	273.0	8.824	35.168	3.37	0.76	27.278	0.407	1490.	1.7
273	275.0	8.810	35.166	3.37	0.76	27.279	0.409	1490.	1.8
275	277.1	8.790	35.164	3.38	0.76	27.281	0.410	1490.	1.8
277	278.9	8.774	35.163	3.37	0.76	27.283	0.412	1490.	1.9
279	280.9	8.748	35.161	3.37	0.76	27.285	0.413	1490.	2.2
281	283.3	8.717	35.158	3.40	0.76	27.288	0.415	1490.	2.4
283	285.0	8.685	35.155	3.38	0.76	27.290	0.417	1490.	2.5
285	287.0	8.630	35.150	3.39	0.76	27.295	0.418	1490.	2.6
287	289.0	8.549	35.142	3.40	0.76	27.302	0.420	1489.	2.7
289	291.1	8.501	35.138	3.42	0.76	27.305	0.422	1489.	2.8
290	292.9	8.472	35.136	3.40	0.76	27.309	0.423	1489.	2.7
293	295.0	8.422	35.133	3.41	0.76	27.315	0.425	1489.	2.6
295	297.2	8.383	35.131	3.44	0.76	27.319	0.427	1489.	2.5

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296	299.0	8.366	35.131	3.44	0.76	27.321	0.428	1489.	2.7
298	301.0	8.345	35.129	3.45	0.76	27.323	0.430	1489.	2.7
300	303.0	8.285	35.124	3.48	0.76	27.328	0.431	1489.	2.8
302	305.0	8.242	35.123	3.49	0.76	27.334	0.433	1489.	2.8
305	307.1	8.146	35.114	3.52	0.76	27.342	0.435	1488.	2.8
306	309.1	8.125	35.114	3.55	0.76	27.345	0.436	1488.	2.8
308	310.9	8.078	35.112	3.56	0.76	27.351	0.438	1488.	2.7
310	313.0	8.065	35.113	3.59	0.76	27.353	0.439	1488.	2.6
312	315.2	8.033	35.111	3.62	0.76	27.356	0.441	1488.	2.4
314	316.8	7.999	35.109	3.64	0.77	27.360	0.442	1488.	2.3
316	319.0	7.978	35.111	3.66	0.76	27.365	0.444	1488.	2.3
318	321.2	7.953	35.110	3.65	0.76	27.368	0.445	1488.	2.3
320	322.7	7.951	35.110	3.70	0.77	27.368	0.447	1488.	2.3
322	325.1	7.937	35.111	3.69	0.76	27.371	0.448	1488.	2.1
324	327.0	7.879	35.109	3.73	0.77	27.378	0.450	1488.	2.2
326	328.9	7.873	35.110	3.73	0.77	27.380	0.451	1488.	2.3
328	330.9	7.868	35.110	3.75	0.77	27.380	0.453	1488.	2.4
330	333.3	7.849	35.108	3.75	0.76	27.381	0.455	1488.	2.6
332	334.9	7.755	35.099	3.77	0.77	27.388	0.456	1487.	2.7
334	337.0	7.651	35.087	3.78	0.76	27.395	0.457	1487.	2.9
336	339.0	7.628	35.086	3.81	0.77	27.397	0.459	1487.	2.9
338	341.0	7.525	35.076	3.83	0.77	27.404	0.460	1486.	2.9
340	342.9	7.458	35.073	3.84	0.77	27.412	0.462	1486.	2.8
342	345.0	7.431	35.072	3.85	0.77	27.414	0.463	1486.	2.8
344	347.4	7.392	35.067	3.89	0.76	27.417	0.465	1486.	3.0
346	348.8	7.353	35.066	3.93	0.77	27.421	0.466	1486.	3.1
348	351.1	7.281	35.059	3.96	0.76	27.426	0.467	1486.	3.1
350	352.9	7.179	35.047	4.01	0.77	27.431	0.469	1485.	3.0
352	355.1	6.993	35.032	4.01	0.76	27.446	0.470	1484.	2.9
354	356.8	6.972	35.031	4.07	0.77	27.448	0.471	1484.	2.7
356	359.0	6.961	35.031	4.08	0.77	27.449	0.473	1484.	2.4
358	361.3	6.931	35.028	4.10	0.77	27.451	0.474	1484.	2.1
360	362.9	6.908	35.026	4.13	0.78	27.452	0.475	1484.	1.6
362	365.1	6.896	35.025	4.12	0.77	27.453	0.477	1484.	1.5
364	367.0	6.865	35.022	4.15	0.77	27.455	0.478	1484.	1.5
366	369.1	6.849	35.021	4.14	0.77	27.457	0.480	1484.	1.4
368	370.9	6.847	35.021	4.15	0.78	27.457	0.481	1484.	1.5
370	373.1	6.842	35.021	4.13	0.77	27.458	0.482	1484.	1.6
372	375.0	6.827	35.019	4.17	0.77	27.458	0.484	1484.	1.7
374	377.0	6.797	35.017	4.15	0.78	27.461	0.485	1484.	1.8
376	379.1	6.766	35.015	4.17	0.78	27.463	0.486	1484.	1.9
378	380.8	6.747	35.015	4.17	0.78	27.466	0.487	1484.	2.2
380	383.0	6.712	35.014	4.17	0.77	27.470	0.489	1484.	2.6
382	385.1	6.678	35.008	4.22	0.77	27.469	0.490	1484.	2.8
384	386.9	6.628	35.003	4.24	0.78	27.473	0.492	1484.	3.0
386	389.1	6.468	34.989	4.25	0.78	27.483	0.493	1483.	3.2
387	390.7	6.396	34.987	4.32	0.78	27.491	0.494	1483.	3.3
390	393.0	6.392	34.993	4.33	0.78	27.496	0.495	1483.	3.3
392	395.3	6.366	34.998	4.37	0.78	27.504	0.497	1483.	3.2
393	396.9	6.322	35.000	4.41	0.78	27.511	0.498	1483.	2.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	28	13 NOV 1982	20.3	40 15.0 N	67 37.8 W	121

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
396	399.0	6.282	34.999	4.39	0.80	27.516	0.499	1482.	2.7
398	401.2	6.256	34.998	4.43	0.79	27.518	0.501	1482.	2.5
399	402.9	6.212	34.995	4.46	0.78	27.522	0.502	1482.	2.2
402	405.1	6.177	34.993	4.46	0.79	27.524	0.503	1482.	1.9
403	407.0	6.168	34.992	4.49	0.78	27.525	0.504	1482.	1.6
405	408.9	6.156	34.991	4.51	0.78	27.525	0.505	1482.	1.4
407	410.9	6.142	34.990	4.51	0.78	27.527	0.507	1482.	1.1
410	413.1	6.135	34.990	4.51	0.78	27.527	0.508	1482.	1.0
411	414.9	6.137	34.990	4.53	0.78	27.528	0.509	1482.	0.9
413	416.9	6.138	34.990	4.52	0.78	27.527	0.510	1482.	0.8
416	419.2	6.129	34.990	4.49	0.77	27.528	0.512	1482.	0.7
417	421.1	6.119	34.989	4.52	0.78	27.529	0.513	1482.	0.8
419	422.9	6.121	34.989	4.50	0.78	27.529	0.514	1482.	0.9
421	424.9	6.121	34.989	4.48	0.78	27.529	0.515	1482.	1.4
423	427.0	6.114	34.988	4.51	0.78	27.529	0.516	1482.	1.7
425	429.1	6.080	34.984	4.53	0.78	27.530	0.518	1482.	1.9
427	430.9	6.039	34.979	4.53	0.78	27.531	0.519	1482.	2.1
429	433.0	5.874	34.961	4.57	0.78	27.538	0.520	1481.	2.1
431	435.0	5.807	34.953	4.60	0.78	27.541	0.521	1481.	2.2
433	437.0	5.796	34.954	4.61	0.78	27.543	0.522	1481.	2.2
435	439.3	5.786	34.953	4.64	0.78	27.543	0.524	1481.	2.2
437	440.8	5.750	34.949	4.69	0.79	27.544	0.525	1481.	2.1
439	443.3	5.629	34.936	4.69	0.78	27.549	0.526	1480.	2.1
441	444.9	5.612	34.937	4.74	0.79	27.552	0.527	1480.	2.2
443	447.1	5.607	34.939	4.71	0.78	27.554	0.528	1480.	2.2
445	448.9	5.592	34.940	4.77	0.79	27.557	0.529	1480.	2.1
447	450.9	5.571	34.941	4.75	0.79	27.560	0.530	1480.	1.9
449	453.0	5.556	34.942	4.77	0.79	27.563	0.532	1480.	1.8
451	455.1	5.545	34.941	4.80	0.79	27.564	0.533	1480.	1.8
453	456.8	5.540	34.942	4.81	0.79	27.564	0.534	1480.	1.7
455	458.9	5.525	34.941	4.79	0.79	27.566	0.535	1480.	1.6
457	461.2	5.486	34.938	4.81	0.79	27.568	0.536	1480.	1.5
459	462.9	5.463	34.936	4.85	0.79	27.569	0.537	1480.	1.5
461	464.8	5.457	34.936	4.84	0.80	27.570	0.538	1480.	1.6
463	467.0	5.452	34.936	4.82	0.79	27.571	0.540	1480.	1.7
465	469.1	5.440	34.935	4.85	0.80	27.571	0.541	1480.	1.7
467	471.0	5.412	34.934	4.85	0.80	27.574	0.542	1480.	1.7
469	473.0	5.445	34.944	4.86	0.80	27.578	0.543	1480.	1.7
471	475.1	5.474	34.951	4.86	0.80	27.580	0.544	1480.	1.7
473	476.8	5.478	34.953	4.88	0.80	27.581	0.545	1480.	1.7
475	479.1	5.461	34.950	4.87	0.80	27.581	0.546	1480.	1.6
477	480.8	5.445	34.950	4.91	0.80	27.582	0.547	1480.	1.5
479	483.0	5.426	34.950	4.88	0.80	27.585	0.549	1480.	1.6
481	485.3	5.403	34.949	4.86	0.79	27.587	0.550	1480.	1.6
482	486.7	5.393	34.948	4.92	0.80	27.587	0.551	1480.	1.5
485	488.9	5.376	34.947	4.90	0.80	27.589	0.552	1480.	1.4
487	491.0	5.371	34.948	4.91	0.80	27.590	0.553	1480.	1.3
489	493.0	5.363	34.947	4.96	0.80	27.591	0.554	1480.	1.2
491	495.1	5.349	34.946	4.94	0.80	27.592	0.555	1480.	1.2
493	496.9	5.342	34.947	4.94	0.80	27.592	0.556	1480.	1.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	28	13 NOV 1982	20.3	40 15.0 N	67 37.8 W	121

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
495	499.3	5.340	34.947	4.96	0.80	27.593	0.558	1480.	1.4
516	521.1	5.111	34.933	5.11	0.80	27.609	0.569	1480.	1.2
534	539.0	5.091	34.939	5.13	0.81	27.616	0.579	1480.	1.1
556	561.0	5.030	34.938	5.15	0.81	27.623	0.590	1480.	1.0
574	579.1	4.974	34.936	5.22	0.81	27.628	0.600	1480.	0.8
595	600.7	4.903	34.934	5.30	0.81	27.635	0.611	1480.	0.8
615	620.8	4.899	34.935	5.29	0.83	27.636	0.621	1480.	0.7
633	638.9	4.865	34.935	5.31	0.83	27.640	0.631	1481.	0.9
653	658.9	4.814	34.936	5.35	0.83	27.646	0.641	1481.	0.7
673	679.0	4.779	34.934	5.38	0.83	27.649	0.651	1481.	0.8
693	699.0	4.713	34.938	5.40	0.83	27.659	0.661	1481.	1.3
712	719.1	4.657	34.937	5.51	0.83	27.664	0.671	1481.	1.4
734	741.1	4.572	34.936	5.53	0.84	27.674	0.682	1481.	0.6
752	759.0	4.539	34.932	5.57	0.84	27.674	0.691	1481.	0.9
771	778.9	4.528	34.936	5.57	0.84	27.678	0.701	1482.	0.5
791	799.0	4.478	34.932	5.62	0.85	27.681	0.711	1482.	0.9
811	819.0	4.415	34.930	5.63	0.86	27.686	0.720	1482.	1.1
831	839.0	4.378	34.931	5.67	0.85	27.691	0.730	1482.	0.5
853	861.0	4.362	34.932	5.70	0.86	27.694	0.741	1482.	1.0
872	880.9	4.334	34.935	5.74	0.87	27.699	0.750	1482.	1.0
890	899.0	4.300	34.934	5.75	0.88	27.702	0.759	1483.	0.6
912	920.9	4.282	34.933	5.75	0.86	27.703	0.769	1483.	0.6
932	940.9	4.244	34.931	5.76	0.88	27.705	0.779	1483.	0.7
951	960.9	4.230	34.930	5.79	0.88	27.706	0.788	1483.	0.9
969	979.0	4.210	34.933	5.78	0.88	27.711	0.797	1484.	0.9
990	1000.2	4.204	34.933	5.83	0.88	27.712	0.807	1484.	0.5

STA 29 DAY: 13 TIME: 2202

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.4	18.0	58.0	17.8	79.4	14.7	115.6	13.8	159.7	12.0
1.4	18.0	58.3	17.7	80.3	14.7	116.3	13.8	161.2	12.0
2.3	18.0	58.8	17.6	81.0	14.6	117.3	13.7	162.0	12.0
3.4	18.1	59.2	17.5	82.2	14.6	118.3	13.6	162.7	11.9
4.4	18.1	59.4	17.4	82.7	14.6	119.4	13.6	163.8	11.9
4.9	18.1	59.9	17.3	84.0	14.6	121.1	13.6	165.3	11.8
6.4	18.1	60.0	17.2	85.1	14.6	122.3	13.6	166.1	11.8
7.8	18.1	60.1	17.1	86.0	14.6	123.9	13.6	167.7	11.8
8.9	18.1	60.3	17.0	87.3	14.6	125.2	13.6	169.9	11.7
9.9	18.1	60.7	16.9	88.6	14.7	126.8	13.6	170.6	11.7
11.2	18.1	60.7	16.8	89.0	14.7	127.8	13.5	171.9	11.6
12.2	18.1	60.8	16.7	89.7	14.7	128.1	13.4	173.2	11.6
13.7	18.1	61.3	16.6	90.1	14.7	129.1	13.4	174.3	11.5
14.7	18.1	61.4	16.6	91.2	14.7	129.3	13.4	175.7	11.5
16.3	18.1	62.2	16.5	91.7	14.7	129.7	13.3	177.2	11.4
17.3	18.1	63.1	16.5	92.2	14.7	130.2	13.3	178.3	11.4
18.7	18.1	63.5	16.5	93.1	14.6	131.4	13.3	179.3	11.3
19.7	18.1	63.7	16.5	93.9	14.6	132.6	13.2	179.6	11.2
20.8	18.1	64.1	16.3	94.6	14.6	133.9	13.3	180.4	11.1
21.8	18.1	64.3	16.2	95.2	14.6	134.2	13.3	180.9	11.1
23.2	18.1	64.8	16.2	95.7	14.5	135.1	13.3	181.4	11.0
24.8	18.1	65.7	16.1	96.0	14.5	135.9	13.3	182.5	10.9
26.1	18.1	66.1	16.1	96.3	14.4	136.7	13.3	183.3	10.9
27.5	18.1	66.7	16.0	96.5	14.3	137.7	13.3	185.7	10.8
29.4	18.1	67.3	15.9	96.7	14.3	138.9	13.3	187.0	10.8
30.8	18.1	67.4	15.8	97.1	14.2	140.0	13.3	188.1	10.7
31.7	18.1	68.1	15.7	97.6	14.2	141.3	13.2	189.2	10.7
33.3	18.1	68.5	15.6	97.9	14.2	142.4	13.2	190.4	10.7
35.2	18.1	68.7	15.5	98.4	14.1	143.0	13.2	192.1	10.6
36.6	18.1	69.3	15.5	99.0	14.1	143.4	13.1	193.5	10.6
37.7	18.1	69.9	15.5	99.7	14.0	144.2	13.1	194.7	10.5
38.7	18.0	70.4	15.5	100.1	14.0	144.6	13.0	195.8	10.5
40.0	18.0	70.8	15.4	101.0	14.0	145.1	12.9	197.6	10.5
41.2	18.0	71.3	15.4	102.0	14.0	145.5	12.8	198.9	10.5
42.6	18.0	71.5	15.3	102.8	14.0	145.6	12.8	200.0	10.5
44.8	18.0	72.1	15.3	104.0	14.0	146.0	12.7	200.4	10.5
45.9	18.0	72.4	15.2	104.5	14.0	146.9	12.6	200.7	10.4
47.2	18.0	72.8	15.2	105.1	14.0	147.2	12.6	201.1	10.4
48.9	18.1	73.2	15.1	105.4	14.1	147.7	12.5	201.6	10.3
49.8	18.0	73.6	15.1	106.4	14.0	149.6	12.4	202.1	10.3
50.5	18.0	73.9	15.0	107.1	14.0	150.9	12.4	203.0	10.3
51.1	18.0	74.2	14.9	107.8	14.0	152.1	12.4	203.6	10.2
51.7	18.0	74.6	14.9	108.7	14.0	152.9	12.3	203.9	10.1
52.8	18.0	74.6	14.8	109.4	14.0	153.6	12.3	204.7	10.1
54.1	18.0	74.8	14.8	110.4	13.9	154.2	12.2	205.1	10.0
54.9	18.0	75.4	14.7	111.5	13.9	154.7	12.2	205.5	10.0
55.7	17.9	76.0	14.7	112.6	13.9	155.6	12.2	206.5	9.9
56.5	17.9	76.5	14.7	113.3	13.9	156.7	12.1	207.2	9.9
56.8	17.9	77.6	14.7	113.8	13.8	157.2	12.1	207.7	9.8
57.3	17.8	78.3	14.7	114.6	13.8	158.3	12.0	208.1	9.7

STA 29 DAY: 13 TIME: 2202

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
208.6	9.6	267.4	8.1	330.3	6.7	418.9	5.7	509.4	5.3
209.6	9.6	268.2	8.0	331.6	6.7	419.8	5.7	511.8	5.3
211.4	9.6	269.9	7.9	332.9	6.7	421.8	5.7	513.2	5.3
212.6	9.6	271.3	7.9	334.6	6.7	423.0	5.7	514.1	5.3
214.7	9.6	272.5	7.9	336.4	6.7	424.4	5.7	517.4	5.2
216.2	9.5	274.5	7.8	337.3	6.6	426.3	5.7	519.2	5.2
217.5	9.5	275.5	7.8	338.5	6.6	428.3	5.7	522.3	5.2
218.3	9.5	276.6	7.7	340.2	6.5	430.0	5.7	524.6	5.2
219.0	9.4	278.2	7.7	342.7	6.5	431.5	5.7	526.3	5.2
219.6	9.3	279.2	7.7	344.9	6.5	432.9	5.7	529.1	5.2
219.7	9.3	280.4	7.7	346.9	6.5	434.5	5.7	531.0	5.2
220.1	9.2	281.0	7.6	348.2	6.5	436.0	5.7	533.1	5.2
220.7	9.1	282.4	7.6	349.5	6.4	437.5	5.7	535.5	5.2
221.4	9.1	283.9	7.6	350.8	6.4	439.1	5.7	538.0	5.2
223.1	9.1	285.2	7.5	352.3	6.4	441.0	5.7	539.6	5.2
224.3	9.0	286.5	7.5	353.9	6.3	443.0	5.7	542.6	5.2
225.4	9.0	287.9	7.5	354.8	6.3	444.3	5.7	545.5	5.2
226.9	8.9	288.9	7.5	356.1	6.3	445.5	5.7	548.8	5.2
228.5	8.9	289.8	7.4	358.0	6.2	446.9	5.7	551.4	5.1
229.3	8.9	291.0	7.4	359.2	6.2	448.5	5.7	553.5	5.1
230.0	8.8	292.9	7.4	361.1	6.2	450.0	5.7	556.0	5.2
230.6	8.8	294.6	7.3	362.9	6.1	450.2	5.6	558.2	5.2
231.5	8.8	295.3	7.3	365.6	6.1	451.9	5.5	560.7	5.2
233.6	8.7	295.8	7.2	367.0	6.1	453.5	5.6	562.1	5.1
235.3	8.7	297.1	7.2	369.7	6.0	454.6	5.5	563.0	5.1
237.2	8.7	298.4	7.2	370.9	6.0	456.1	5.5	564.9	5.1
239.0	8.7	299.4	7.2	372.4	6.0	457.9	5.5	566.3	5.1
239.9	8.7	300.8	7.2	374.6	6.0	460.0	5.5	568.2	5.1
241.4	8.7	302.7	7.2	377.3	6.0	462.3	5.5	570.8	5.0
242.4	8.6	303.6	7.2	379.6	6.0	464.5	5.5	573.6	5.0
243.6	8.6	304.7	7.1	382.1	6.0	466.3	5.5	577.1	5.0
244.2	8.6	305.9	7.1	384.5	6.0	468.5	5.5	579.7	5.0
245.1	8.5	307.2	7.0	385.6	5.9	471.4	5.5	583.2	5.0
246.0	8.5	308.5	7.0	387.0	5.9	473.3	5.5	586.1	5.0
247.0	8.4	310.0	7.0	388.9	5.9	475.7	5.5	588.9	5.0
248.5	8.4	310.5	7.0	391.2	5.9	478.5	5.5	591.7	5.0
249.8	8.4	311.1	6.9	393.8	5.9	480.0	5.4	594.5	5.0
251.4	8.4	312.4	6.9	396.3	5.8	482.0	5.4	596.8	5.0
252.7	8.4	313.6	6.9	398.0	5.8	483.9	5.4	599.5	5.0
253.4	8.4	314.7	6.9	401.1	5.8	486.4	5.4	601.3	5.0
254.1	8.3	315.9	6.9	402.5	5.8	488.5	5.4	602.3	4.9
255.3	8.3	316.6	6.8	404.4	5.8	490.5	5.4	603.2	4.9
256.5	8.3	317.3	6.8	406.0	5.8	491.4	5.4	604.4	4.9
258.0	8.3	319.1	6.8	408.8	5.8	494.1	5.4	606.2	4.9
259.4	8.3	320.5	6.7	410.4	5.8	496.2	5.4	608.3	4.9
261.0	8.2	321.8	6.7	411.3	5.8	499.0	5.4	610.0	4.9
262.5	8.2	323.3	6.7	412.3	5.8	501.3	5.4	612.2	4.9
264.4	8.2	325.1	6.7	414.1	5.7	503.2	5.4	614.3	4.9
265.8	8.1	326.2	6.7	415.8	5.7	504.8	5.3	617.8	4.8
266.7	8.1	327.3	6.7	417.6	5.7	507.4	5.3	621.0	4.9

STA 29 DAY: 13 TIME: 2202

DEPTH (m)	TEMP (°C)
624.4	4.8
626.4	4.8
629.6	4.8
633.5	4.8
636.8	4.8
640.0	4.8
643.4	4.8
646.2	4.8
648.5	4.8
651.6	4.8
654.3	4.8
656.2	4.8
650.0	4.8
652.8	4.8
654.6	4.8
656.6	4.8
660.0	4.8
663.0	4.8
665.9	4.8
669.3	4.8
672.0	4.8
675.5	4.8
678.5	4.8
682.2	4.8
686.3	4.8
689.2	4.8
691.8	4.8
693.4	4.8
694.7	4.7
697.1	4.7
699.5	4.7
703.1	4.7
706.2	4.7
709.5	4.7
714.1	4.7
716.8	4.7
719.7	4.7
722.7	4.7
725.8	4.7
729.1	4.7
732.8	4.7
735.6	4.7
739.2	4.7
742.5	4.7
746.6	4.7
749.7	4.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	30	13 NOV 1982	22.7	40 20.4 N	67 41.2 W	985

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	8 SPD m/s	N cph
2	2.2	17.360	34.878	5.81	0.74	25.336	0.000	1514.	-1.6
4	4.2	17.387	34.854	5.77	0.71	25.311	0.005	1514.	-1.6
6	5.9	17.409	34.861	5.78	0.73	25.311	0.010	1514.	-1.6
8	8.1	17.388	34.853	5.81	0.69	25.309	0.016	1514.	-1.6
10	9.8	17.420	34.865	5.76	0.71	25.311	0.020	1514.	-1.6
12	12.0	17.528	34.903	5.75	0.71	25.314	0.026	1514.	0.9
14	14.1	17.481	34.887	5.83	0.70	25.313	0.032	1514.	1.3
16	15.9	17.441	34.870	5.83	0.71	25.310	0.036	1514.	1.6
18	18.1	17.402	34.857	5.85	0.71	25.310	0.042	1514.	1.7
20	20.0	17.504	34.900	5.82	0.71	25.318	0.047	1515.	1.7
22	22.0	17.598	34.936	5.84	0.71	25.322	0.053	1515.	1.9
24	24.1	17.626	34.948	5.84	0.71	25.324	0.058	1515.	1.9
26	25.9	17.652	34.956	5.79	0.71	25.325	0.063	1515.	1.4
28	27.9	17.620	34.941	5.77	0.71	25.321	0.068	1515.	0.9
30	29.9	17.690	34.974	5.78	0.71	25.329	0.073	1515.	1.1
32	32.3	17.673	34.965	5.80	0.71	25.326	0.080	1515.	1.5
34	33.9	17.627	34.941	5.75	0.73	25.319	0.084	1515.	1.9
36	36.1	17.649	34.956	5.83	0.72	25.325	0.090	1515.	2.2
37	37.8	17.708	34.987	5.77	0.73	25.335	0.094	1516.	2.4
40	40.0	17.778	35.015	5.79	0.73	25.339	0.100	1516.	2.6
42	42.0	17.806	35.028	5.82	0.72	25.342	0.105	1516.	3.1
44	44.1	17.810	35.032	5.81	0.73	25.344	0.111	1516.	3.6
46	46.1	17.829	35.050	5.73	0.73	25.353	0.116	1516.	4.7
47	47.8	17.844	35.054	5.56	0.73	25.353	0.121	1516.	6.9
50	50.1	17.885	35.100	5.43	0.72	25.378	0.127	1516.	9.3
52	51.9	17.869	35.129	5.31	0.72	25.404	0.131	1516.	10.7
54	54.2	17.724	35.173	5.16	0.71	25.473	0.137	1516.	11.6
55	55.9	17.230	35.249	4.88	0.69	25.652	0.141	1515.	12.6
58	58.1	16.620	35.323	4.85	0.65	25.853	0.146	1513.	13.0
60	60.1	16.555	35.342	4.45	0.65	25.883	0.151	1513.	12.9
61	61.9	16.483	35.387	4.21	0.65	25.935	0.154	1513.	12.3
64	64.0	15.750	35.409	4.27	0.64	26.120	0.159	1511.	11.1
66	66.2	15.237	35.303	4.24	0.64	26.154	0.163	1509.	10.0
67	68.0	14.872	35.290	4.28	0.65	26.225	0.166	1508.	9.3
70	70.1	14.686	35.294	4.34	0.64	26.268	0.170	1507.	8.5
71	71.9	14.692	35.309	4.34	0.65	26.278	0.173	1507.	7.3
73	74.0	14.635	35.315	4.37	0.66	26.296	0.177	1507.	6.9
76	76.3	14.496	35.325	4.40	0.65	26.333	0.180	1507.	6.3
77	77.8	14.311	35.320	4.39	0.65	26.369	0.183	1506.	6.0
79	80.1	14.117	35.308	4.36	0.66	26.401	0.187	1506.	6.3
81	81.9	14.088	35.311	4.31	0.66	26.409	0.190	1505.	6.6
84	84.3	14.081	35.317	4.28	0.65	26.416	0.194	1505.	6.8
85	85.8	14.078	35.331	4.23	0.66	26.427	0.196	1506.	6.8
87	88.1	13.826	35.358	4.24	0.66	26.501	0.200	1505.	6.9
89	89.9	13.518	35.331	4.22	0.67	26.544	0.203	1504.	7.0
91	92.0	13.357	35.331	4.18	0.68	26.578	0.206	1503.	6.9
93	94.2	13.279	35.326	4.15	0.68	26.590	0.209	1503.	6.5
95	95.8	13.172	35.317	4.12	0.69	26.605	0.211	1503.	5.9
97	98.0	13.012	35.311	4.10	0.69	26.632	0.214	1502.	5.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	30	13 NOV 1982	22.7	40 20.4 N	67 41.2 W	985

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	100.1	12.977	35.314	4.10	0.69	26.642	0.217	1502.	5.6
101	102.1	12.850	35.315	4.10	0.70	26.668	0.220	1502.	5.6
103	103.8	12.717	35.309	4.08	0.70	26.690	0.223	1501.	5.3
105	106.1	12.523	35.292	4.08	0.71	26.715	0.226	1501.	5.1
107	107.9	12.464	35.292	4.06	0.71	26.726	0.228	1501.	4.9
109	110.0	12.416	35.289	4.06	0.71	26.734	0.231	1500.	4.5
111	112.1	12.349	35.287	4.06	0.71	26.745	0.234	1500.	4.1
113	114.0	12.305	35.288	4.05	0.72	26.754	0.236	1500.	3.7
115	115.9	12.315	35.307	4.05	0.72	26.767	0.239	1500.	3.4
117	118.1	12.372	35.331	4.04	0.72	26.775	0.241	1500.	3.2
119	120.1	12.371	35.334	4.03	0.72	26.777	0.244	1500.	2.9
121	121.9	12.401	35.343	4.02	0.72	26.778	0.246	1501.	2.7
123	124.0	12.414	35.347	4.00	0.72	26.779	0.249	1501.	2.7
125	126.0	12.393	35.354	4.00	0.72	26.789	0.252	1501.	2.9
127	128.0	12.373	35.353	3.99	0.73	26.792	0.254	1501.	3.1
129	130.0	12.354	35.357	3.97	0.73	26.799	0.257	1501.	3.3
131	132.3	12.274	35.347	3.97	0.73	26.806	0.260	1500.	3.4
133	133.9	12.159	35.331	3.96	0.74	26.816	0.262	1500.	3.3
135	136.0	12.099	35.327	3.96	0.72	26.824	0.264	1500.	3.4
137	138.2	12.146	35.345	3.95	0.73	26.830	0.267	1500.	3.3
139	140.0	12.180	35.358	3.92	0.73	26.833	0.269	1500.	3.2
141	142.1	12.213	35.377	3.92	0.73	26.841	0.272	1500.	3.1
143	143.9	12.184	35.379	3.92	0.74	26.849	0.274	1500.	3.1
145	146.1	12.163	35.381	3.90	0.73	26.854	0.277	1500.	3.4
147	147.8	12.175	35.390	3.88	0.74	26.859	0.279	1500.	4.0
149	149.9	12.162	35.392	3.86	0.73	26.863	0.281	1500.	4.5
151	152.1	12.114	35.390	3.86	0.73	26.871	0.284	1500.	4.8
153	153.8	11.918	35.369	3.84	0.74	26.892	0.286	1500.	4.9
155	156.0	11.697	35.363	3.84	0.74	26.930	0.289	1499.	4.9
157	158.2	11.563	35.353	3.84	0.74	26.947	0.291	1498.	4.9
158	159.8	11.549	35.353	3.81	0.74	26.950	0.293	1498.	4.7
161	162.1	11.531	35.354	3.79	0.74	26.954	0.296	1498.	4.3
163	163.9	11.456	35.352	3.80	0.75	26.966	0.298	1498.	3.8
165	166.1	11.386	35.351	3.79	0.75	26.978	0.300	1498.	3.6
167	168.0	11.313	35.348	3.80	0.75	26.989	0.302	1498.	3.6
169	169.9	11.261	35.346	3.79	0.75	26.998	0.304	1497.	3.7
171	172.0	11.249	35.346	3.78	0.76	27.000	0.307	1497.	3.6
173	174.1	11.243	35.345	3.77	0.76	27.000	0.309	1497.	3.7
175	176.0	11.151	35.345	3.76	0.76	27.017	0.311	1497.	3.9
176	177.9	11.072	35.342	3.76	0.75	27.030	0.313	1497.	4.2
179	180.0	11.035	35.342	3.75	0.75	27.036	0.315	1497.	4.3
181	182.1	10.926	35.333	3.75	0.75	27.049	0.317	1497.	4.3
182	183.9	10.791	35.327	3.75	0.76	27.069	0.319	1496.	4.1
184	185.9	10.727	35.326	3.74	0.76	27.079	0.321	1496.	3.9
187	188.1	10.690	35.323	3.74	0.75	27.084	0.324	1496.	3.8
188	189.9	10.669	35.322	3.73	0.76	27.086	0.325	1496.	3.5
190	191.9	10.601	35.317	3.71	0.76	27.095	0.327	1496.	3.3
192	194.0	10.526	35.314	3.71	0.76	27.105	0.329	1495.	3.9
195	196.1	10.493	35.310	3.70	0.76	27.109	0.332	1495.	4.7
196	197.9	10.438	35.307	3.65	0.76	27.116	0.333	1495.	5.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	30	13 NOV 1982	22.7	40 20.4 N	67 41.2 W	985

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
198	200.0	10.346	35.299	3.61	0.76	27.126	0.335	1495.	5.5
200	202.0	9.998	35.274	3.61	0.76	27.167	0.337	1493.	5.6
203	204.2	9.723	35.262	3.60	0.75	27.205	0.339	1493.	5.7
204	205.8	9.602	35.255	3.57	0.75	27.219	0.341	1492.	5.6
206	208.0	9.475	35.244	3.52	0.74	27.231	0.343	1492.	5.1
208	210.2	9.399	35.233	3.51	0.74	27.236	0.345	1491.	4.6
210	211.9	9.250	35.225	3.51	0.74	27.254	0.346	1491.	4.2
212	214.0	9.114	35.210	3.53	0.73	27.265	0.348	1490.	4.1
215	216.4	9.058	35.203	3.57	0.74	27.268	0.350	1490.	4.0
216	217.8	8.916	35.188	3.63	0.75	27.280	0.351	1490.	3.8
218	220.0	8.803	35.184	3.65	0.75	27.294	0.353	1489.	3.5
220	222.1	8.750	35.179	3.66	0.74	27.299	0.354	1489.	3.2
222	223.9	8.682	35.172	3.69	0.74	27.304	0.356	1489.	2.9
224	226.0	8.659	35.173	3.68	0.74	27.308	0.358	1489.	2.4
226	228.1	8.646	35.172	3.68	0.72	27.309	0.359	1489.	2.1
228	230.2	8.636	35.170	3.68	0.74	27.310	0.361	1489.	2.3
230	231.9	8.620	35.169	3.67	0.75	27.312	0.362	1489.	2.6
232	234.0	8.600	35.168	3.67	0.74	27.314	0.364	1489.	2.9
234	235.9	8.508	35.156	3.70	0.75	27.319	0.365	1488.	3.2
236	238.0	8.380	35.149	3.70	0.75	27.333	0.367	1488.	3.4
238	240.1	8.288	35.138	3.73	0.75	27.339	0.369	1488.	3.5
240	242.0	8.200	35.133	3.73	0.75	27.348	0.370	1487.	3.6
242	244.0	8.116	35.126	3.77	0.75	27.355	0.372	1487.	3.4
244	246.0	8.074	35.122	3.78	0.75	27.359	0.373	1487.	3.1
246	248.0	7.987	35.114	3.81	0.74	27.366	0.375	1487.	2.9
248	250.1	7.862	35.101	3.82	0.75	27.374	0.376	1486.	2.7
250	252.2	7.886	35.105	3.82	0.74	27.374	0.378	1486.	2.4
252	253.8	7.850	35.100	3.84	0.75	27.375	0.379	1486.	2.3
254	256.0	7.802	35.097	3.86	0.75	27.380	0.381	1486.	2.2
256	258.1	7.766	35.093	3.86	0.75	27.382	0.382	1486.	2.1
258	260.0	7.736	35.089	3.85	0.75	27.383	0.384	1486.	2.3
260	261.9	7.671	35.083	3.88	0.75	27.388	0.385	1486.	2.2
262	264.2	7.644	35.082	3.90	0.75	27.392	0.387	1486.	2.1
264	266.0	7.626	35.082	3.91	0.75	27.394	0.388	1486.	2.1
266	267.9	7.592	35.079	3.91	0.76	27.397	0.389	1485.	2.0
268	270.1	7.567	35.077	3.92	0.75	27.398	0.391	1485.	1.8
270	272.2	7.551	35.075	3.93	0.75	27.400	0.392	1485.	1.7
271	273.7	7.551	35.076	3.94	0.76	27.400	0.393	1485.	1.7
274	276.1	7.512	35.072	3.94	0.75	27.403	0.395	1485.	1.9
276	277.9	7.497	35.071	3.95	0.75	27.404	0.396	1485.	2.1
278	280.0	7.484	35.071	3.95	0.76	27.407	0.398	1485.	2.2
280	282.1	7.445	35.068	3.98	0.76	27.409	0.399	1485.	2.3
282	284.0	7.412	35.069	4.00	0.76	27.415	0.401	1485.	2.3
284	286.2	7.328	35.060	4.03	0.76	27.420	0.402	1485.	2.2
286	288.0	7.312	35.060	4.02	0.76	27.422	0.403	1485.	2.1
287	289.8	7.316	35.063	4.03	0.76	27.424	0.405	1485.	1.8
290	292.1	7.328	35.066	4.06	0.76	27.425	0.406	1485.	1.5
292	294.3	7.339	35.070	4.04	0.76	27.426	0.408	1485.	1.3
293	295.8	7.336	35.069	4.04	0.76	27.426	0.409	1485.	1.3
296	298.1	7.333	35.069	4.03	0.76	27.427	0.411	1485.	1.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	30	13 NOV 1982	22.7	40 20.4 N	67 41.2 W	985

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
297	300.0	7.317	35.068	4.06	0.76	27.428	0.412	1485.	1.3
299	302.0	7.312	35.068	4.04	0.76	27.429	0.413	1485.	1.3
301	304.0	7.298	35.069	4.06	0.76	27.431	0.415	1485.	1.3
304	306.2	7.254	35.061	4.06	0.76	27.432	0.416	1485.	1.4
305	307.8	7.250	35.062	4.06	0.77	27.432	0.417	1485.	1.4
307	310.1	7.231	35.057	4.07	0.76	27.431	0.419	1485.	1.4
309	311.7	7.183	35.050	4.08	0.76	27.433	0.420	1485.	1.3
311	314.1	7.172	35.053	4.08	0.76	27.437	0.422	1485.	1.3
313	316.0	7.170	35.053	4.11	0.76	27.437	0.423	1485.	1.4
315	318.0	7.171	35.053	4.10	0.77	27.437	0.424	1485.	1.5
317	320.1	7.173	35.054	4.12	0.76	27.437	0.426	1485.	1.4
319	321.9	7.152	35.052	4.12	0.77	27.438	0.427	1485.	1.4
321	324.2	7.122	35.051	4.14	0.76	27.443	0.429	1485.	1.5
323	325.9	7.118	35.052	4.14	0.77	27.443	0.430	1485.	1.5
325	328.0	7.118	35.051	4.14	0.77	27.443	0.431	1485.	1.5
327	330.3	7.117	35.054	4.15	0.76	27.445	0.433	1485.	1.5
329	331.9	7.103	35.053	4.14	0.77	27.447	0.434	1485.	1.4
331	334.0	7.081	35.051	4.15	0.76	27.448	0.435	1485.	1.4
333	336.1	7.070	35.050	4.16	0.77	27.449	0.437	1485.	1.4
335	338.1	7.061	35.049	4.16	0.77	27.449	0.438	1485.	1.3
337	339.8	7.056	35.050	4.15	0.77	27.451	0.439	1485.	1.2
339	342.2	7.056	35.051	4.17	0.77	27.452	0.441	1485.	1.1
341	343.8	7.050	35.051	4.17	0.77	27.452	0.442	1485.	1.0
343	346.0	7.045	35.050	4.16	0.77	27.452	0.443	1485.	0.8
345	348.1	7.036	35.049	4.17	0.77	27.453	0.445	1485.	0.7
347	350.0	7.035	35.049	4.16	0.77	27.453	0.446	1485.	0.8
349	352.0	7.022	35.047	4.17	0.77	27.453	0.447	1485.	0.8
351	354.1	7.022	35.047	4.17	0.77	27.453	0.449	1485.	1.0
353	356.0	7.012	35.046	4.16	0.77	27.453	0.450	1485.	1.3
355	358.0	6.988	35.043	4.17	0.77	27.454	0.451	1485.	2.0
357	360.1	6.974	35.041	4.18	0.77	27.455	0.453	1485.	2.4
359	361.8	6.942	35.037	4.19	0.77	27.456	0.454	1484.	2.7
361	364.0	6.871	35.032	4.21	0.77	27.463	0.455	1484.	3.0
363	366.1	6.730	35.026	4.24	0.75	27.477	0.457	1484.	3.1
365	368.2	6.684	35.022	4.26	0.76	27.480	0.458	1484.	3.2
367	370.0	6.640	35.020	4.31	0.77	27.484	0.459	1483.	3.2
369	372.0	6.566	35.014	4.33	0.77	27.490	0.461	1483.	3.0
371	374.1	6.520	35.012	4.36	0.77	27.494	0.462	1483.	2.8
373	376.1	6.464	35.009	4.41	0.77	27.500	0.463	1483.	2.7
375	377.8	6.444	35.011	4.42	0.77	27.504	0.464	1483.	2.5
377	380.0	6.427	35.012	4.43	0.77	27.507	0.466	1483.	2.2
379	382.2	6.375	35.009	4.44	0.77	27.511	0.467	1483.	2.0
380	383.7	6.371	35.009	4.46	0.77	27.512	0.468	1483.	1.7
383	385.9	6.369	35.009	4.45	0.77	27.512	0.469	1483.	1.6
385	388.0	6.367	35.008	4.46	0.77	27.512	0.471	1483.	1.5
387	390.1	6.348	35.007	4.46	0.77	27.513	0.472	1483.	1.4
389	392.0	6.331	35.007	4.46	0.77	27.516	0.473	1482.	1.6
391	394.1	6.304	35.005	4.46	0.77	27.518	0.474	1482.	1.6
393	396.2	6.295	35.004	4.48	0.77	27.518	0.476	1482.	1.5
395	398.0	6.269	35.003	4.47	0.77	27.520	0.477	1482.	1.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	30	13 NOV 1982	22.7	40 20.4 N	67 41.2 W	985

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
396	399.9	6.253	35.002	4.47	0.77	27.522	0.478	1482.	1.2
399	402.0	6.258	35.003	4.49	0.77	27.521	0.479	1482.	1.2
401	404.0	6.272	35.004	4.48	0.77	27.521	0.480	1482.	1.5
402	405.8	6.278	35.003	4.48	0.77	27.519	0.482	1483.	1.7
405	408.0	6.235	35.002	4.48	0.77	27.524	0.483	1482.	1.9
406	410.0	6.177	34.993	4.50	0.77	27.525	0.484	1482.	2.1
408	412.0	6.091	34.987	4.54	0.77	27.531	0.485	1482.	2.2
411	414.2	6.048	34.983	4.56	0.77	27.533	0.487	1482.	2.2
412	415.8	6.016	34.981	4.59	0.77	27.536	0.488	1482.	2.0
415	418.3	6.006	34.982	4.60	0.77	27.538	0.489	1482.	1.7
416	419.7	5.997	34.981	4.61	0.78	27.538	0.490	1482.	1.4
418	422.1	5.990	34.981	4.62	0.77	27.540	0.491	1482.	1.2
420	424.1	5.985	34.980	4.62	0.77	27.539	0.493	1482.	0.9
422	425.9	5.981	34.980	4.62	0.77	27.540	0.494	1482.	0.7
424	428.2	5.975	34.979	4.62	0.77	27.540	0.495	1482.	0.7
426	429.9	5.975	34.980	4.61	0.78	27.540	0.496	1482.	0.7
428	432.0	5.974	34.980	4.61	0.78	27.540	0.497	1482.	0.7
430	434.1	5.972	34.980	4.63	0.77	27.541	0.499	1482.	0.8
432	435.7	5.972	34.980	4.62	0.78	27.541	0.500	1482.	0.9
434	438.1	5.965	34.980	4.62	0.78	27.541	0.501	1482.	1.0
436	440.1	5.962	34.980	4.64	0.78	27.542	0.502	1482.	1.1
438	441.8	5.954	34.979	4.62	0.78	27.542	0.503	1482.	1.1
440	444.0	5.942	34.979	4.63	0.77	27.544	0.504	1482.	1.2
442	445.8	5.933	34.979	4.64	0.78	27.545	0.506	1482.	1.3
444	447.9	5.927	34.978	4.64	0.78	27.545	0.507	1482.	1.4
446	450.1	5.917	34.977	4.66	0.77	27.546	0.508	1482.	1.4
448	452.0	5.889	34.976	4.68	0.78	27.548	0.509	1482.	1.3
450	453.9	5.861	34.973	4.67	0.78	27.550	0.510	1482.	1.3
452	456.0	5.856	34.973	4.67	0.77	27.550	0.512	1482.	1.2
454	458.2	5.854	34.973	4.68	0.78	27.550	0.513	1482.	1.0
456	460.0	5.853	34.973	4.70	0.78	27.551	0.514	1482.	0.9
458	462.1	5.848	34.973	4.71	0.78	27.551	0.515	1482.	0.9
460	463.9	5.846	34.973	4.70	0.78	27.551	0.516	1482.	1.0
462	466.3	5.833	34.972	4.70	0.78	27.552	0.518	1482.	1.1
464	467.8	5.818	34.971	4.69	0.78	27.553	0.518	1482.	1.1
466	470.1	5.816	34.971	4.69	0.78	27.554	0.520	1482.	1.2
468	472.0	5.811	34.972	4.72	0.78	27.554	0.521	1482.	1.2
470	473.9	5.800	34.970	4.69	0.78	27.555	0.522	1482.	1.2
472	476.1	5.778	34.968	4.72	0.78	27.556	0.523	1482.	1.3
474	478.0	5.772	34.967	4.72	0.78	27.556	0.524	1482.	1.5
476	479.9	5.760	34.967	4.74	0.78	27.557	0.526	1482.	1.6
478	482.1	5.753	34.967	4.72	0.77	27.558	0.527	1482.	1.6
480	484.2	5.711	34.966	4.77	0.78	27.563	0.528	1482.	1.6
482	485.8	5.698	34.966	4.77	0.79	27.565	0.529	1481.	1.5
484	488.0	5.696	34.967	4.78	0.78	27.565	0.530	1482.	1.3
486	490.1	5.698	34.967	4.79	0.78	27.565	0.531	1482.	1.1
488	492.0	5.701	34.968	4.78	0.79	27.566	0.533	1482.	0.8
490	493.9	5.701	34.968	4.79	0.79	27.565	0.534	1482.	1.0
492	496.1	5.699	34.968	4.79	0.78	27.566	0.535	1482.	1.3
493	497.9	5.703	34.970	4.80	0.79	27.566	0.536	1482.	1.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	30	13 NOV 1982	22.7	40 20.4 N	67 41.2 W	985

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
496	500.0	5.711	34.972	4.79	0.79	27.568	0.537	1482.	1.5
515	520.0	5.667	34.978	4.84	0.80	27.578	0.549	1482.	1.2
535	540.2	5.588	34.975	4.90	0.80	27.585	0.560	1482.	1.0
555	559.9	5.525	34.973	4.93	0.81	27.591	0.571	1482.	1.1
575	579.9	5.270	34.965	5.11	0.83	27.615	0.582	1481.	2.3
594	599.9	5.037	34.953	5.22	0.82	27.634	0.593	1481.	2.0
615	620.2	4.942	34.953	5.30	0.81	27.645	0.603	1481.	1.2
634	640.2	4.881	34.951	5.34	0.83	27.651	0.613	1481.	0.9
654	660.3	4.831	34.950	5.36	0.82	27.655	0.623	1481.	0.6
674	680.3	4.806	34.955	5.37	0.83	27.662	0.634	1481.	0.7
693	699.7	4.794	34.948	5.41	0.83	27.658	0.643	1481.	0.7
713	720.2	4.782	34.949	5.43	0.84	27.660	0.654	1482.	0.7
733	740.0	4.771	34.948	5.43	0.84	27.661	0.664	1482.	1.1
753	759.8	4.671	34.946	5.50	0.85	27.670	0.673	1482.	0.5
773	780.0	4.639	34.945	5.49	0.85	27.673	0.683	1482.	0.9
792	799.9	4.614	34.944	5.50	0.86	27.675	0.693	1482.	0.9
812	820.2	4.528	34.942	5.54	0.86	27.683	0.703	1482.	1.2
832	839.8	4.477	34.940	5.62	0.86	27.687	0.713	1482.	0.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	31	14 NOV 1982	01.0	40 23.8 N	67 40.1 W	630

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
9	8.7	13.687	33.433	6.31	0.72	25.041	0.000	1501.	4.8
10	10.2	13.627	33.417	6.35	0.72	25.041	0.005	1501.	4.8
12	11.9	13.622	33.411	6.34	0.72	25.038	0.009	1501.	4.8
14	14.0	13.723	33.452	6.34	0.72	25.049	0.015	1501.	4.8
16	16.1	13.799	33.472	6.32	0.72	25.048	0.022	1501.	4.8
18	18.0	14.078	33.577	6.27	0.72	25.072	0.027	1502.	6.2
20	19.8	14.573	33.775	6.35	0.72	25.120	0.032	1504.	6.6
22	22.2	14.569	33.770	6.42	0.72	25.117	0.039	1504.	6.7
24	24.1	15.035	33.941	6.35	0.72	25.149	0.044	1506.	6.7
26	25.8	15.684	34.279	6.25	0.72	25.265	0.049	1508.	6.2
28	28.1	16.220	34.389	6.21	0.72	25.228	0.055	1510.	5.6
30	29.9	16.461	34.475	6.17	0.72	25.239	0.060	1511.	5.4
32	32.0	16.826	34.622	6.09	0.72	25.266	0.066	1512.	4.8
34	34.3	16.868	34.629	6.10	0.72	25.262	0.072	1513.	4.0
36	35.9	16.921	34.653	6.03	0.72	25.268	0.076	1513.	4.6
38	38.0	17.536	34.889	5.94	0.72	25.301	0.082	1515.	5.2
39	39.8	17.730	34.974	5.88	0.72	25.319	0.087	1516.	6.6
42	42.1	17.779	34.990	5.76	0.73	25.320	0.093	1516.	8.4
44	44.0	17.751	35.001	5.59	0.74	25.335	0.098	1516.	9.9
46	46.2	17.755	35.087	5.36	0.74	25.400	0.104	1516.	11.3
48	48.0	17.609	35.220	5.03	0.74	25.538	0.108	1516.	12.2
50	50.0	17.406	35.328	4.82	0.74	25.670	0.113	1515.	12.6
51	51.8	17.000	35.369	4.57	0.74	25.798	0.117	1514.	12.5
54	54.1	16.490	35.390	4.50	0.72	25.935	0.122	1513.	12.0
55	55.8	16.356	35.417	4.42	0.64	25.987	0.126	1512.	10.9
58	58.1	16.346	35.438	4.45	0.64	26.006	0.130	1512.	9.7
60	60.2	16.124	35.458	4.51	0.64	26.072	0.135	1512.	8.5
61	62.0	15.803	35.460	4.53	0.64	26.148	0.138	1511.	7.3
63	64.0	15.647	35.435	4.55	0.63	26.163	0.142	1510.	6.6
66	66.0	15.571	35.421	4.55	0.63	26.170	0.145	1510.	6.1
68	68.0	15.508	35.412	4.56	0.63	26.178	0.149	1510.	5.5
70	70.1	15.423	35.404	4.56	0.64	26.191	0.153	1510.	5.3
71	72.1	15.356	35.398	4.56	0.65	26.201	0.157	1509.	5.7
74	74.1	15.176	35.400	4.55	0.65	26.242	0.160	1509.	5.9
75	75.9	15.104	35.412	4.51	0.64	26.267	0.164	1509.	5.9
78	78.1	15.053	35.431	4.52	0.64	26.293	0.167	1509.	6.1
79	79.8	14.985	35.439	4.45	0.65	26.315	0.170	1508.	6.3
81	81.9	14.943	35.438	4.41	0.65	26.323	0.174	1508.	6.3
84	84.2	14.896	35.445	4.38	0.65	26.339	0.178	1508.	6.3
85	85.9	14.762	35.461	4.34	0.65	26.381	0.181	1508.	6.2
87	88.1	14.565	35.466	4.32	0.66	26.427	0.184	1507.	6.1
89	89.9	14.494	35.468	4.26	0.66	26.444	0.187	1507.	6.1
91	91.9	14.400	35.461	4.25	0.67	26.459	0.190	1507.	5.9
94	94.3	14.362	35.457	4.25	0.66	26.464	0.194	1507.	5.6
95	95.8	14.279	35.456	4.24	0.67	26.481	0.197	1506.	5.3
97	98.0	14.155	35.464	4.24	0.67	26.514	0.200	1506.	5.2
99	100.0	14.104	35.474	4.21	0.67	26.532	0.203	1506.	5.1
101	102.3	14.055	35.490	4.18	0.67	26.555	0.206	1506.	5.0
103	103.9	14.059	35.495	4.15	0.68	26.558	0.209	1506.	4.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	31	14 NOV 1982	01.0	40 23.8 N	67 40.1 W	630

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
105	106.2	14.029	35.496	4.14	0.68	26.565	0.212	1506.	4.5
107	108.1	14.002	35.506	4.12	0.68	26.579	0.215	1506.	4.3
109	110.0	13.858	35.488	4.13	0.68	26.595	0.218	1505.	4.3
111	111.8	13.774	35.477	4.12	0.68	26.604	0.221	1505.	4.3
113	114.0	13.699	35.476	4.11	0.68	26.619	0.224	1505.	4.4
115	116.0	13.639	35.471	4.10	0.69	26.627	0.227	1505.	4.6
117	118.1	13.592	35.471	4.07	0.69	26.638	0.230	1505.	4.8
119	120.1	13.554	35.472	4.06	0.69	26.646	0.232	1505.	5.0
121	122.0	13.461	35.480	4.04	0.69	26.672	0.235	1504.	5.3
123	124.0	13.313	35.472	4.02	0.70	26.696	0.238	1504.	5.4
125	126.0	13.235	35.470	3.99	0.70	26.710	0.241	1504.	5.3
127	128.0	13.099	35.465	3.98	0.71	26.734	0.243	1503.	5.1
129	129.9	13.005	35.467	3.97	0.71	26.754	0.246	1503.	4.5
131	132.1	12.955	35.463	3.96	0.71	26.762	0.249	1503.	4.0
133	134.1	12.917	35.461	3.96	0.71	26.767	0.251	1503.	3.7
135	135.9	12.891	35.458	3.95	0.71	26.771	0.254	1503.	3.5
137	138.1	12.865	35.455	3.94	0.71	26.774	0.257	1503.	3.5
139	140.0	12.856	35.457	3.93	0.71	26.777	0.259	1503.	3.5
141	142.2	12.726	35.444	3.93	0.71	26.793	0.262	1502.	3.8
143	143.8	12.632	35.444	3.90	0.72	26.811	0.264	1502.	4.1
145	145.9	12.604	35.440	3.88	0.72	26.814	0.267	1502.	4.3
147	148.2	12.575	35.438	3.86	0.72	26.818	0.269	1502.	4.6
149	149.8	12.476	35.436	3.85	0.73	26.836	0.271	1501.	4.7
151	152.0	12.365	35.436	3.83	0.73	26.858	0.274	1501.	4.9
153	154.1	12.311	35.432	3.81	0.73	26.865	0.277	1501.	5.2
155	156.1	12.163	35.427	3.79	0.73	26.890	0.279	1500.	5.4
157	157.9	12.096	35.425	3.77	0.73	26.902	0.281	1500.	5.3
159	159.9	11.935	35.420	3.76	0.73	26.928	0.284	1500.	5.1
161	162.0	11.827	35.418	3.74	0.74	26.947	0.286	1499.	4.8
162	163.8	11.755	35.419	3.71	0.74	26.962	0.288	1499.	4.2
165	166.0	11.727	35.419	3.70	0.73	26.968	0.290	1499.	4.0
167	168.1	11.717	35.422	3.68	0.74	26.972	0.293	1499.	3.8
169	169.9	11.707	35.422	3.68	0.74	26.974	0.295	1499.	3.9
171	172.0	11.699	35.424	3.66	0.73	26.977	0.297	1499.	4.2
173	174.1	11.615	35.430	3.68	0.73	26.997	0.299	1499.	4.4
175	176.2	11.473	35.420	3.67	0.74	27.016	0.302	1498.	4.5
176	177.8	11.363	35.414	3.64	0.74	27.032	0.304	1498.	4.3
179	180.0	11.242	35.407	3.64	0.74	27.048	0.306	1498.	4.1
181	182.0	11.163	35.391	3.63	0.74	27.051	0.308	1497.	3.6
183	184.0	11.086	35.376	3.64	0.75	27.053	0.310	1497.	3.4
185	186.2	11.082	35.378	3.61	0.76	27.056	0.312	1497.	3.3
186	187.9	11.105	35.392	3.61	0.76	27.063	0.314	1497.	4.0
188	190.0	11.083	35.398	3.59	0.75	27.071	0.316	1497.	4.8
190	192.0	10.994	35.392	3.60	0.75	27.082	0.318	1497.	5.3
192	194.0	10.882	35.384	3.60	0.74	27.097	0.320	1497.	5.5
195	196.1	10.372	35.330	3.65	0.75	27.145	0.322	1495.	5.5
196	197.9	10.139	35.311	3.64	0.75	27.171	0.324	1494.	5.3
198	200.0	10.121	35.314	3.60	0.74	27.177	0.326	1494.	5.0
200	202.0	10.023	35.304	3.61	0.75	27.186	0.328	1494.	4.4
202	204.0	9.972	35.299	3.62	0.74	27.191	0.330	1493.	3.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	31	14 NOV 1982	01.0	40 23.8 N	67 40.1 W	630

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
204	206.0	9.897	35.293	3.62	0.75	27.199	0.331	1493.	3.0
206	208.0	9.812	35.283	3.63	0.75	27.206	0.333	1493.	2.7
208	210.1	9.778	35.279	3.64	0.75	27.208	0.335	1493.	2.3
210	212.0	9.739	35.272	3.67	0.75	27.209	0.337	1493.	2.0
212	213.9	9.719	35.271	3.67	0.76	27.212	0.339	1493.	1.7
214	216.0	9.716	35.270	3.66	0.75	27.211	0.340	1493.	1.5
216	218.0	9.709	35.268	3.66	0.75	27.211	0.342	1493.	1.5
218	220.3	9.676	35.263	3.68	0.76	27.213	0.344	1493.	1.7
220	221.8	9.651	35.261	3.68	0.76	27.215	0.346	1493.	2.1
222	223.9	9.637	35.259	3.68	0.76	27.216	0.347	1493.	2.8
224	226.1	9.593	35.253	3.67	0.76	27.219	0.349	1492.	3.4
226	227.9	9.511	35.244	3.68	0.76	27.226	0.351	1492.	3.8
228	230.0	9.418	35.238	3.67	0.76	27.236	0.353	1492.	4.2
230	232.1	9.240	35.224	3.68	0.76	27.255	0.355	1491.	4.6
232	234.2	9.038	35.199	3.70	0.76	27.269	0.356	1490.	4.8
234	235.8	8.955	35.198	3.71	0.76	27.281	0.358	1490.	4.7
236	237.9	8.815	35.191	3.69	0.76	27.298	0.359	1490.	4.5
238	240.0	8.578	35.168	3.69	0.75	27.317	0.361	1489.	4.0
240	242.1	8.505	35.160	3.69	0.75	27.322	0.363	1489.	3.8
242	244.1	8.456	35.156	3.72	0.75	27.327	0.364	1488.	3.5
244	245.8	8.450	35.156	3.75	0.76	27.328	0.366	1488.	3.2
246	248.0	8.453	35.155	3.73	0.75	27.327	0.367	1488.	2.8
248	250.0	8.326	35.153	3.74	0.74	27.345	0.369	1488.	2.7
250	252.1	8.212	35.139	3.76	0.74	27.351	0.371	1488.	2.4
252	254.0	8.149	35.130	3.80	0.75	27.354	0.372	1487.	2.0
254	256.1	8.208	35.136	3.81	0.75	27.349	0.374	1488.	1.5
256	257.7	8.228	35.140	3.79	0.75	27.350	0.375	1488.	0.5
258	259.9	8.262	35.142	3.78	0.75	27.346	0.377	1488.	0.5
260	262.0	8.246	35.141	3.78	0.73	27.348	0.378	1488.	0.9
262	264.4	8.201	35.134	3.80	0.75	27.349	0.380	1488.	1.5
263	265.7	8.179	35.133	3.79	0.75	27.352	0.381	1488.	1.8
266	267.9	8.157	35.134	3.78	0.74	27.355	0.383	1488.	2.1
268	270.0	8.147	35.132	3.79	0.74	27.355	0.384	1488.	2.1
270	272.2	8.091	35.125	3.81	0.75	27.358	0.386	1487.	2.0
272	273.8	8.037	35.122	3.81	0.75	27.364	0.387	1487.	1.9
274	276.0	8.014	35.120	3.81	0.74	27.367	0.389	1487.	1.7
276	278.0	8.021	35.121	3.82	0.74	27.366	0.390	1487.	1.6
278	280.0	8.025	35.122	3.83	0.74	27.366	0.392	1487.	1.5
280	281.9	8.012	35.121	3.84	0.74	27.367	0.393	1487.	1.4
282	284.0	8.008	35.121	3.83	0.75	27.368	0.395	1487.	1.6
284	286.1	8.001	35.121	3.84	0.74	27.369	0.396	1487.	1.9
285	287.9	7.943	35.114	3.87	0.75	27.373	0.398	1487.	2.1
288	290.0	7.930	35.115	3.86	0.75	27.375	0.399	1487.	2.2
290	292.1	7.883	35.112	3.87	0.75	27.380	0.401	1487.	2.3
292	294.1	7.847	35.108	3.89	0.75	27.382	0.402	1487.	2.2
293	295.9	7.812	35.107	3.89	0.75	27.387	0.404	1487.	2.1
296	298.0	7.807	35.106	3.88	0.75	27.387	0.405	1487.	2.0
298	300.1	7.761	35.103	3.90	0.75	27.391	0.407	1487.	1.8
300	302.1	7.753	35.103	3.93	0.75	27.392	0.408	1487.	1.6
301	303.8	7.753	35.104	3.93	0.75	27.393	0.409	1487.	1.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	31	14 NOV 1982	01.0	40 23.8 N	67 40.1 W	630

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
303	305.9	7.735	35.102	3.92	0.75	27.394	0.411	1487.	1.4
305	308.0	7.728	35.101	3.92	0.75	27.394	0.412	1487.	1.3
307	310.1	7.726	35.101	3.93	0.75	27.395	0.414	1487.	1.5
309	311.9	7.702	35.099	3.95	0.75	27.397	0.415	1487.	1.8
311	314.0	7.697	35.099	3.93	0.75	27.397	0.417	1487.	2.0
313	316.1	7.675	35.098	3.94	0.75	27.399	0.418	1487.	2.2
315	318.1	7.608	35.093	3.96	0.75	27.405	0.420	1486.	2.2
317	319.9	7.557	35.090	3.99	0.75	27.411	0.421	1486.	2.1
319	322.0	7.551	35.090	3.99	0.75	27.411	0.423	1486.	1.9
321	324.0	7.540	35.090	4.00	0.75	27.413	0.424	1486.	1.6
323	326.0	7.542	35.090	4.01	0.75	27.413	0.425	1486.	1.4
325	328.1	7.544	35.091	4.02	0.76	27.413	0.427	1486.	1.2
327	329.9	7.537	35.090	4.04	0.76	27.414	0.428	1486.	1.3
329	332.0	7.526	35.090	4.03	0.76	27.415	0.430	1486.	1.4
331	334.0	7.518	35.091	4.04	0.75	27.417	0.431	1486.	1.7
333	336.1	7.510	35.092	4.05	0.76	27.419	0.433	1486.	1.9
335	337.9	7.502	35.092	4.08	0.77	27.420	0.434	1486.	2.1
337	340.1	7.466	35.087	4.08	0.77	27.421	0.435	1486.	2.2
339	341.9	7.397	35.083	4.12	0.76	27.428	0.437	1486.	2.2
341	344.0	7.377	35.084	4.11	0.77	27.432	0.438	1486.	2.1
343	346.0	7.361	35.085	4.12	0.77	27.435	0.440	1486.	2.1
345	348.2	7.353	35.085	4.15	0.77	27.436	0.441	1486.	2.1
347	349.7	7.349	35.084	4.19	0.77	27.436	0.442	1486.	2.0
349	352.0	7.333	35.083	4.17	0.77	27.437	0.444	1486.	2.0
351	354.1	7.273	35.078	4.19	0.77	27.442	0.445	1486.	2.0
353	356.0	7.229	35.075	4.21	0.77	27.446	0.446	1485.	2.0
355	357.9	7.209	35.075	4.21	0.77	27.449	0.448	1485.	2.0
357	360.0	7.211	35.076	4.21	0.77	27.449	0.449	1485.	1.8
359	362.0	7.202	35.075	4.24	0.77	27.450	0.451	1485.	1.6
361	364.0	7.179	35.074	4.22	0.77	27.452	0.452	1485.	1.5
363	366.0	7.165	35.074	4.24	0.77	27.454	0.453	1485.	1.4
365	368.0	7.168	35.074	4.24	0.77	27.454	0.455	1485.	1.2
367	370.0	7.149	35.073	4.26	0.77	27.456	0.456	1485.	1.0
369	372.0	7.137	35.072	4.26	0.77	27.457	0.457	1485.	0.6
371	374.0	7.148	35.073	4.25	0.77	27.456	0.459	1485.	0.3
373	375.9	7.160	35.074	4.25	0.77	27.455	0.460	1486.	-0.3
375	378.0	7.164	35.074	4.25	0.77	27.454	0.461	1486.	-0.6
377	379.9	7.165	35.074	4.25	0.77	27.454	0.463	1486.	-0.7
379	382.1	7.158	35.074	4.26	0.77	27.455	0.464	1486.	0.5
381	383.9	7.156	35.073	4.29	0.77	27.455	0.465	1486.	1.2
383	386.0	7.163	35.073	4.26	0.77	27.454	0.467	1486.	1.6
385	388.1	7.167	35.074	4.24	0.77	27.454	0.468	1486.	1.9
387	389.9	7.109	35.069	4.27	0.77	27.459	0.470	1486.	2.0
389	392.0	7.051	35.067	4.30	0.77	27.465	0.471	1485.	2.0
391	394.1	7.051	35.071	4.29	0.78	27.468	0.472	1485.	1.9
393	396.2	7.051	35.072	4.33	0.78	27.469	0.474	1485.	1.7
394	397.8	7.046	35.071	4.37	0.79	27.469	0.475	1485.	1.4
397	400.0	7.039	35.071	4.34	0.78	27.469	0.476	1485.	1.1
399	402.2	7.030	35.070	4.34	0.78	27.470	0.478	1485.	1.1
401	404.0	7.024	35.068	4.37	0.78	27.469	0.479	1485.	1.2
402	405.8	7.004	35.065	4.36	0.78	27.470	0.480	1485.	1.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	31	14 NOV 1982	01.0	40 23.8 N	67 40.1 W	630

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
405	408.1	6.974	35.064	4.34	0.78	27.473	0.482	1485.	1.6
406	409.8	6.966	35.064	4.36	0.78	27.474	0.483	1485.	1.8
409	412.1	6.953	35.063	4.37	0.78	27.475	0.484	1485.	2.0
410	413.9	6.938	35.062	4.36	0.78	27.477	0.486	1485.	2.1
412	416.1	6.886	35.058	4.38	0.78	27.481	0.487	1485.	2.2
414	417.9	6.850	35.057	4.41	0.78	27.485	0.488	1485.	2.3
416	419.9	6.837	35.057	4.39	0.78	27.487	0.489	1485.	2.3
418	422.1	6.788	35.054	4.43	0.79	27.491	0.491	1485.	2.2
420	423.9	6.765	35.053	4.45	0.79	27.493	0.492	1485.	2.2
422	425.9	6.734	35.051	4.46	0.79	27.496	0.493	1485.	2.3
424	427.9	6.723	35.051	4.48	0.79	27.498	0.495	1485.	2.3
426	430.0	6.697	35.050	4.49	0.79	27.500	0.496	1485.	2.3
428	432.2	6.633	35.045	4.52	0.79	27.505	0.497	1484.	2.3
430	434.0	6.592	35.044	4.54	0.79	27.510	0.499	1484.	2.2
432	436.0	6.572	35.042	4.57	0.79	27.511	0.500	1484.	2.0
434	437.9	6.546	35.042	4.58	0.79	27.514	0.501	1484.	1.7
436	440.1	6.540	35.041	4.57	0.79	27.515	0.502	1484.	1.3
438	442.1	6.539	35.041	4.57	0.79	27.515	0.504	1484.	0.9
440	444.0	6.542	35.041	4.57	0.79	27.514	0.505	1484.	0.8
442	446.0	6.545	35.041	4.58	0.79	27.514	0.506	1484.	0.6
444	448.1	6.538	35.041	4.58	0.79	27.515	0.507	1484.	0.7
446	449.9	6.537	35.040	4.56	0.79	27.514	0.509	1484.	0.8
448	452.0	6.525	35.040	4.57	0.79	27.515	0.510	1484.	1.0
450	454.2	6.517	35.039	4.58	0.79	27.516	0.511	1484.	1.4
452	455.9	6.519	35.040	4.60	0.79	27.516	0.512	1484.	1.7
454	457.9	6.511	35.039	4.58	0.79	27.517	0.514	1484.	1.9
456	460.0	6.459	35.034	4.57	0.79	27.519	0.515	1484.	2.1
458	462.1	6.403	35.033	4.58	0.80	27.526	0.516	1484.	2.2
460	463.9	6.384	35.032	4.62	0.80	27.528	0.517	1484.	2.3
462	466.1	6.372	35.032	4.64	0.80	27.529	0.519	1484.	2.4
464	467.9	6.318	35.028	4.68	0.80	27.534	0.520	1484.	2.4
466	470.0	6.305	35.028	4.68	0.79	27.536	0.521	1484.	2.2
468	472.2	6.252	35.024	4.69	0.80	27.540	0.522	1484.	2.1
470	473.9	6.224	35.027	4.74	0.81	27.545	0.523	1483.	2.0
472	476.0	6.199	35.023	4.74	0.81	27.546	0.525	1483.	1.7
474	478.3	6.192	35.024	4.75	0.82	27.547	0.526	1483.	1.5
475	479.7	6.216	35.027	4.76	0.82	27.546	0.527	1484.	1.2
478	482.0	6.181	35.022	4.76	0.82	27.547	0.528	1483.	1.0
480	484.1	6.183	35.023	4.75	0.82	27.547	0.529	1483.	1.1
482	485.9	6.185	35.023	4.76	0.82	27.547	0.531	1483.	1.2
484	487.9	6.161	35.021	4.74	0.82	27.549	0.532	1483.	1.2
486	490.0	6.142	35.019	4.77	0.82	27.550	0.533	1483.	1.2
488	492.1	6.122	35.019	4.76	0.82	27.552	0.534	1483.	1.2
489	493.8	6.117	35.019	4.78	0.83	27.553	0.535	1483.	1.1
492	496.0	6.138	35.018	4.76	0.83	27.549	0.537	1483.	1.3
494	498.1	6.120	35.020	4.77	0.83	27.553	0.538	1483.	1.5
496	500.2	6.125	35.020	4.78	0.83	27.553	0.539	1483.	1.7
515	519.9	5.796	35.003	4.88	0.81	27.581	0.551	1482.	3.1
535	540.0	5.424	34.979	5.09	0.83	27.608	0.562	1481.	1.3
555	560.0	5.335	34.975	5.11	0.84	27.616	0.572	1481.	1.1
575	579.9	5.239	34.971	5.17	0.85	27.624	0.583	1481.	1.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	32	14 NOV 1982	02.5	40 26.8 N	67 39.6 W	530

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.3	10.849	32.718	5.95	0.88	25.026	0.000	1490.	-0.6
4	4.0	10.847	32.717	5.97	0.79	25.026	0.005	1490.	-0.6
6	6.0	10.846	32.718	6.00	0.76	25.027	0.011	1490.	-0.6
8	8.0	10.853	32.718	6.15	0.72	25.025	0.017	1490.	-0.6
10	9.9	10.853	32.718	6.27	0.73	25.025	0.022	1490.	-0.6
12	11.9	10.850	32.717	6.32	0.73	25.025	0.028	1490.	-0.6
14	14.0	10.851	32.717	6.35	0.72	25.025	0.034	1490.	-0.5
16	16.1	10.850	32.718	6.37	0.72	25.025	0.040	1490.	-0.3
18	17.9	10.854	32.716	6.37	0.73	25.024	0.045	1490.	0.1
20	20.0	10.864	32.719	6.37	0.73	25.024	0.052	1490.	0.2
22	22.0	10.861	32.719	6.36	0.73	25.025	0.058	1490.	0.3
24	24.1	10.858	32.718	6.34	0.73	25.024	0.064	1491.	0.7
26	25.8	10.875	32.723	6.32	0.73	25.025	0.069	1491.	1.2
28	27.9	10.889	32.725	6.33	0.73	25.025	0.075	1491.	1.4
30	30.0	10.911	32.731	6.32	0.73	25.025	0.081	1491.	1.6
32	32.1	10.966	32.747	6.33	0.73	25.028	0.087	1491.	2.0
33	33.7	11.045	32.772	6.34	0.74	25.034	0.092	1491.	2.1
36	36.1	11.177	32.803	6.44	0.74	25.034	0.099	1492.	2.7
38	38.0	11.195	32.809	6.48	0.74	25.035	0.104	1492.	3.8
40	39.9	11.503	32.895	6.46	0.74	25.047	0.110	1493.	4.5
42	41.8	11.971	33.003	6.43	0.74	25.044	0.116	1495.	6.0
44	44.0	12.834	33.253	6.29	0.73	25.073	0.122	1498.	7.3
45	45.9	13.462	33.475	6.17	0.71	25.119	0.127	1501.	8.0
48	48.0	14.007	33.638	6.00	0.70	25.134	0.133	1503.	9.0
50	50.0	14.161	33.845	5.95	0.69	25.261	0.139	1503.	10.0
52	52.1	14.246	33.939	5.77	0.67	25.316	0.144	1504.	10.4
54	54.0	14.337	33.972	5.42	0.66	25.322	0.149	1504.	10.4
56	56.0	13.495	33.915	5.54	0.66	25.453	0.155	1501.	9.9
58	58.1	12.269	33.750	5.56	0.65	25.567	0.160	1497.	8.8
59	60.0	12.068	33.728	5.30	0.63	25.589	0.164	1497.	8.0
62	62.0	11.758	33.684	5.36	0.60	25.613	0.169	1495.	7.2
63	63.9	11.640	33.639	5.33	0.65	25.600	0.174	1495.	6.3
66	66.1	11.529	33.617	5.38	0.65	25.603	0.179	1495.	7.1
68	68.1	11.149	33.556	5.43	0.66	25.625	0.184	1493.	8.3
70	70.1	10.788	33.524	5.45	0.65	25.664	0.189	1492.	8.9
71	71.9	10.527	33.564	5.45	0.66	25.741	0.193	1491.	9.5
73	74.0	10.940	33.862	5.36	0.65	25.900	0.197	1493.	9.6
75	75.7	11.259	33.978	5.31	0.65	25.934	0.201	1494.	9.3
77	78.0	12.090	34.172	5.13	0.64	25.930	0.206	1497.	9.0
79	80.0	12.677	34.419	5.08	0.65	26.007	0.210	1500.	8.8
81	82.0	13.140	34.542	4.97	0.64	26.011	0.214	1501.	8.5
83	84.1	13.199	34.620	4.94	0.64	26.059	0.218	1502.	8.7
85	86.0	13.505	34.804	4.83	0.64	26.139	0.221	1503.	8.8
87	88.0	14.199	35.120	4.66	0.64	26.239	0.225	1506.	8.4
89	90.0	14.048	35.101	4.57	0.63	26.256	0.229	1505.	8.1
91	92.1	14.212	35.185	4.51	0.63	26.286	0.232	1506.	7.6
93	93.9	14.214	35.202	4.45	0.64	26.299	0.236	1506.	6.9
95	96.0	14.069	35.195	4.43	0.64	26.324	0.239	1506.	6.6
97	98.2	13.833	35.164	4.43	0.65	26.350	0.243	1505.	6.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	32	14 NOV 1982	02.5	40 26.8 N	67 39.6 W	530

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	99.7	13.984	35.253	4.37	0.65	26.387	0.246	1505.	6.6
101	102.1	14.123	35.333	4.35	0.64	26.419	0.249	1506.	6.3
103	104.2	13.908	35.331	4.35	0.65	26.463	0.253	1505.	5.9
105	105.9	13.853	35.327	4.31	0.65	26.471	0.255	1505.	5.2
107	108.0	13.829	35.331	4.30	0.65	26.480	0.259	1505.	4.6
109	110.3	13.786	35.327	4.30	0.65	26.486	0.262	1505.	4.1
111	112.0	13.772	35.328	4.28	0.65	26.489	0.265	1505.	4.0
113	113.9	13.714	35.321	4.27	0.66	26.496	0.268	1505.	4.5
115	116.1	13.679	35.328	4.27	0.66	26.509	0.272	1505.	5.0
117	117.7	13.652	35.344	4.24	0.67	26.526	0.274	1505.	5.4
119	120.0	13.552	35.356	4.24	0.66	26.556	0.277	1504.	5.7
121	121.9	13.483	35.364	4.21	0.67	26.577	0.280	1504.	5.9
123	124.0	13.398	35.376	4.17	0.67	26.604	0.283	1504.	5.9
125	126.0	13.344	35.379	4.16	0.67	26.617	0.286	1504.	5.8
127	127.9	13.259	35.384	4.14	0.68	26.639	0.289	1504.	5.7
129	130.1	13.062	35.377	4.14	0.68	26.673	0.292	1503.	5.5
131	132.2	12.998	35.372	4.11	0.69	26.683	0.295	1503.	5.2
133	133.9	12.913	35.374	4.10	0.69	26.701	0.297	1503.	5.0
135	136.2	12.778	35.363	4.10	0.71	26.719	0.300	1502.	4.7
137	137.9	12.734	35.359	4.09	0.71	26.725	0.303	1502.	4.6
139	140.2	12.697	35.358	4.08	0.72	26.732	0.306	1502.	5.0
141	141.9	12.656	35.360	4.07	0.72	26.742	0.308	1502.	5.1
143	144.1	12.575	35.363	4.07	0.72	26.759	0.311	1502.	5.1
145	145.7	12.487	35.373	4.05	0.73	26.785	0.313	1501.	5.0
147	148.0	12.340	35.385	4.05	0.72	26.823	0.316	1501.	4.7
149	150.1	12.333	35.388	4.03	0.73	26.826	0.319	1501.	4.3
151	151.9	12.336	35.390	4.01	0.73	26.828	0.321	1501.	3.6
153	154.2	12.338	35.392	4.01	0.73	26.829	0.324	1501.	2.9
155	155.9	12.337	35.396	4.00	0.73	26.832	0.326	1501.	2.5
157	157.9	12.332	35.401	3.99	0.73	26.837	0.328	1501.	2.7
159	160.0	12.327	35.403	4.00	0.72	26.839	0.331	1501.	2.9
161	162.3	12.295	35.404	4.00	0.72	26.847	0.334	1501.	3.0
163	163.9	12.255	35.407	3.95	0.73	26.857	0.336	1501.	3.0
165	166.0	12.217	35.406	3.94	0.71	26.864	0.338	1501.	3.1
167	168.0	12.203	35.406	3.92	0.69	26.866	0.341	1501.	3.2
169	170.2	12.188	35.406	3.93	0.70	26.869	0.343	1501.	3.4
171	172.0	12.153	35.402	3.88	0.73	26.873	0.346	1501.	4.2
172	173.9	12.079	35.402	3.84	0.73	26.887	0.348	1500.	5.3
175	175.9	12.036	35.402	3.83	0.72	26.895	0.350	1500.	6.5
177	178.0	11.944	35.402	3.82	0.72	26.913	0.353	1500.	7.3
179	180.3	11.542	35.377	3.82	0.73	26.970	0.355	1499.	7.6
180	181.7	11.341	35.387	3.75	0.73	27.015	0.357	1498.	7.6
182	184.0	10.890	35.375	3.74	0.72	27.088	0.359	1496.	7.4
184	186.0	10.576	35.341	3.73	0.72	27.118	0.361	1495.	6.8
187	188.3	10.520	35.329	3.67	0.72	27.119	0.364	1495.	5.7
188	189.8	10.442	35.328	3.65	0.73	27.132	0.365	1495.	4.7
190	192.0	10.397	35.326	3.66	0.72	27.138	0.367	1495.	3.6
193	194.1	10.351	35.323	3.67	0.72	27.144	0.369	1495.	3.1
195	196.1	10.289	35.316	3.71	0.72	27.149	0.371	1494.	3.0
196	197.9	10.239	35.312	3.73	0.73	27.155	0.373	1494.	2.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	32	14 NOV 1982	02.5	40 26.8 N	67 39.6 W	530

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
198	199.9	10.215	35.310	3.75	0.73	27.158	0.375	1494.	2.7
200	202.1	10.174	35.307	3.76	0.72	27.163	0.377	1494.	2.6
203	204.3	10.116	35.298	3.79	0.73	27.165	0.379	1494.	2.5
204	205.8	10.067	35.295	3.79	0.73	27.171	0.380	1494.	2.6
206	207.9	10.038	35.292	3.80	0.73	27.174	0.382	1494.	2.7
208	210.0	10.020	35.290	3.81	0.73	27.176	0.384	1494.	2.7
210	212.2	9.964	35.282	3.82	0.73	27.179	0.386	1494.	2.7
212	213.9	9.880	35.278	3.82	0.73	27.190	0.388	1493.	2.7
214	216.1	9.842	35.274	3.81	0.73	27.194	0.390	1493.	2.8
216	217.9	9.825	35.275	3.80	0.73	27.197	0.391	1493.	2.9
218	220.1	9.799	35.274	3.78	0.73	27.201	0.393	1493.	3.0
220	222.0	9.767	35.273	3.75	0.73	27.206	0.395	1493.	3.0
222	224.0	9.728	35.272	3.72	0.72	27.211	0.397	1493.	3.2
224	226.0	9.658	35.265	3.71	0.72	27.217	0.399	1493.	3.2
226	228.0	9.565	35.257	3.69	0.72	27.227	0.401	1492.	3.2
228	230.0	9.493	35.251	3.67	0.72	27.234	0.402	1492.	3.2
230	232.0	9.430	35.245	3.67	0.72	27.240	0.404	1492.	3.1
232	233.9	9.412	35.244	3.68	0.72	27.242	0.406	1492.	2.9
234	235.9	9.367	35.241	3.70	0.72	27.248	0.407	1492.	2.7
236	238.1	9.301	35.234	3.71	0.72	27.253	0.409	1491.	2.6
238	239.9	9.261	35.230	3.73	0.72	27.256	0.411	1491.	2.4
240	242.3	9.216	35.227	3.75	0.72	27.261	0.413	1491.	2.2
242	243.9	9.195	35.226	3.77	0.73	27.264	0.414	1491.	2.0
244	246.0	9.188	35.225	3.76	0.73	27.264	0.416	1491.	1.7
246	248.2	9.183	35.224	3.79	0.73	27.265	0.418	1491.	2.0
248	249.8	9.175	35.224	3.79	0.73	27.265	0.419	1491.	2.5
250	252.0	9.157	35.223	3.79	0.73	27.267	0.421	1491.	2.9
252	254.0	9.132	35.219	3.81	0.73	27.269	0.423	1491.	3.1
254	255.9	8.998	35.209	3.81	0.73	27.282	0.424	1491.	3.3
256	258.1	8.816	35.191	3.83	0.73	27.298	0.426	1490.	3.2
258	259.9	8.774	35.187	3.83	0.73	27.301	0.428	1490.	3.1
260	262.0	8.759	35.187	3.82	0.73	27.304	0.429	1490.	2.7
262	264.0	8.728	35.186	3.82	0.73	27.308	0.431	1490.	2.1
264	266.1	8.727	35.186	3.82	0.72	27.308	0.433	1490.	1.5
266	267.9	8.724	35.186	3.82	0.73	27.308	0.434	1490.	1.2
268	270.0	8.719	35.185	3.81	0.73	27.308	0.436	1490.	1.0
270	272.1	8.718	35.185	3.81	0.73	27.308	0.437	1490.	1.0
272	274.0	8.706	35.184	3.83	0.73	27.309	0.439	1490.	1.1
274	276.2	8.708	35.184	3.83	0.73	27.309	0.441	1490.	1.3
276	277.9	8.698	35.183	3.83	0.73	27.310	0.442	1490.	1.5
278	280.1	8.669	35.182	3.84	0.73	27.314	0.444	1490.	1.6
280	282.0	8.680	35.181	3.86	0.73	27.312	0.446	1490.	1.7
282	284.0	8.627	35.177	3.87	0.73	27.317	0.447	1490.	2.0
283	285.9	8.626	35.179	3.89	0.73	27.318	0.449	1490.	2.2
286	288.1	8.610	35.179	3.92	0.73	27.320	0.450	1490.	2.2
288	290.0	8.571	35.174	3.95	0.73	27.323	0.452	1490.	2.3
290	292.0	8.514	35.173	3.97	0.74	27.331	0.453	1489.	2.6
292	294.0	8.505	35.174	4.00	0.74	27.333	0.455	1489.	2.8
294	296.0	8.502	35.174	4.05	0.74	27.334	0.457	1489.	3.0
296	298.0	8.483	35.174	4.08	0.75	27.337	0.458	1489.	3.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	32	14 NOV 1982	02.5	40 26.8 N	67 39.6 W	530

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
297	300.0	8.319	35.163	4.13	0.75	27.353	0.460	1489.	3.1
300	302.1	8.273	35.161	4.15	0.76	27.359	0.461	1489.	3.1
301	304.0	8.241	35.160	4.19	0.76	27.363	0.463	1489.	3.1
303	305.9	8.218	35.158	4.21	0.76	27.365	0.464	1489.	2.9
305	307.9	8.147	35.153	4.22	0.76	27.372	0.466	1488.	2.6
307	310.1	8.102	35.150	4.22	0.76	27.376	0.467	1488.	2.4
309	312.0	8.061	35.147	4.22	0.77	27.380	0.469	1488.	2.3
311	313.9	8.040	35.144	4.21	0.77	27.382	0.470	1488.	2.1
313	316.0	8.031	35.144	4.20	0.77	27.383	0.472	1488.	1.7
315	318.2	8.019	35.144	4.19	0.76	27.384	0.473	1488.	1.5
317	319.7	7.988	35.141	4.20	0.77	27.387	0.475	1488.	1.4
319	322.0	7.971	35.138	4.18	0.76	27.387	0.476	1488.	1.4
321	324.0	7.983	35.140	4.17	0.76	27.386	0.478	1488.	1.4
323	326.1	7.965	35.139	4.19	0.76	27.388	0.479	1488.	1.4
325	328.0	7.939	35.136	4.20	0.76	27.391	0.481	1488.	1.5
327	330.0	7.938	35.137	4.21	0.76	27.391	0.482	1488.	1.7
329	332.1	7.937	35.137	4.21	0.76	27.392	0.484	1488.	2.0
331	334.0	7.920	35.137	4.23	0.77	27.394	0.485	1488.	2.2
333	335.9	7.886	35.135	4.25	0.77	27.398	0.486	1488.	2.8
335	338.3	7.818	35.129	4.27	0.77	27.402	0.488	1488.	3.4
337	340.0	7.785	35.128	4.29	0.77	27.407	0.489	1487.	3.8
339	341.9	7.727	35.122	4.32	0.77	27.410	0.491	1487.	3.9
341	343.9	7.475	35.103	4.35	0.77	27.433	0.492	1486.	3.9
343	346.0	7.305	35.095	4.39	0.77	27.451	0.494	1486.	3.7
345	348.1	7.291	35.096	4.43	0.77	27.454	0.495	1486.	3.4
347	349.9	7.265	35.094	4.45	0.77	27.456	0.496	1486.	2.9
349	352.0	7.257	35.094	4.45	0.77	27.457	0.498	1486.	2.0
351	354.1	7.238	35.092	4.45	0.77	27.458	0.499	1486.	1.1
353	355.9	7.237	35.092	4.44	0.77	27.459	0.500	1486.	0.8
355	358.0	7.236	35.092	4.44	0.77	27.459	0.502	1486.	0.6
357	359.9	7.243	35.092	4.44	0.77	27.457	0.503	1486.	0.6
359	362.0	7.245	35.092	4.43	0.77	27.457	0.504	1486.	0.6
361	364.2	7.238	35.093	4.43	0.77	27.458	0.506	1486.	0.5
363	365.8	7.231	35.092	4.42	0.77	27.459	0.507	1486.	0.5
365	368.1	7.219	35.091	4.43	0.77	27.460	0.509	1486.	0.2
367	370.0	7.223	35.090	4.43	0.77	27.459	0.510	1486.	-0.5
369	371.9	7.226	35.090	4.42	0.77	27.458	0.511	1486.	-0.8
371	374.0	7.227	35.090	4.42	0.77	27.458	0.513	1486.	-0.6
373	375.8	7.232	35.089	4.41	0.77	27.457	0.514	1486.	-0.4
375	378.0	7.229	35.088	4.40	0.77	27.456	0.515	1486.	0.6
377	380.1	7.225	35.088	4.40	0.77	27.457	0.517	1486.	1.5
379	381.9	7.209	35.088	4.42	0.77	27.459	0.518	1486.	1.9
381	384.0	7.196	35.085	4.42	0.77	27.459	0.519	1486.	2.1
383	386.1	7.137	35.077	4.44	0.77	27.460	0.521	1486.	2.3
385	388.1	7.052	35.078	4.46	0.77	27.473	0.522	1485.	2.4
387	390.1	7.049	35.077	4.47	0.77	27.473	0.523	1485.	2.6
389	392.0	7.031	35.077	4.47	0.77	27.475	0.525	1485.	2.7
391	394.0	6.999	35.075	4.48	0.77	27.479	0.526	1485.	2.6
393	396.0	6.949	35.070	4.50	0.78	27.482	0.527	1485.	2.4
395	398.0	6.855	35.066	4.53	0.78	27.491	0.529	1485.	2.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	32	14 NOV 1982	02.5	40 26.8 N	67 39.6 W	530

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
396	399.9	6.840	35.066	4.53	0.78	27.493	0.530	1485.	2.5
399	402.1	6.831	35.066	4.50	0.78	27.494	0.531	1485.	2.4
400	403.7	6.816	35.065	4.55	0.78	27.496	0.532	1485.	2.3
403	406.1	6.736	35.060	4.58	0.79	27.503	0.534	1484.	2.0
405	408.0	6.717	35.059	4.60	0.79	27.505	0.535	1484.	1.8
406	409.8	6.708	35.059	4.63	0.79	27.506	0.536	1484.	1.5
409	412.1	6.706	35.059	4.64	0.80	27.506	0.538	1484.	1.1
411	414.1	6.708	35.060	4.65	0.79	27.506	0.539	1484.	0.4
412	415.7	6.719	35.061	4.63	0.79	27.506	0.540	1484.	-0.4
414	418.0	6.726	35.061	4.61	0.80	27.505	0.541	1485.	-0.6
417	420.3	6.733	35.062	4.62	0.80	27.504	0.543	1485.	-0.6
418	421.9	6.721	35.061	4.63	0.80	27.505	0.544	1485.	-0.5
420	424.0	6.733	35.062	4.65	0.80	27.505	0.545	1485.	-0.3
422	426.0	6.732	35.062	4.64	0.80	27.505	0.546	1485.	1.0
424	428.0	6.740	35.063	4.63	0.80	27.505	0.548	1485.	1.4
426	430.0	6.741	35.063	4.63	0.81	27.504	0.549	1485.	1.6
428	431.8	6.734	35.062	4.65	0.81	27.505	0.550	1485.	1.7
430	434.0	6.647	35.059	4.66	0.81	27.514	0.552	1484.	1.8
432	436.1	6.623	35.056	4.67	0.81	27.515	0.553	1484.	1.8
434	437.8	6.616	35.054	4.68	0.82	27.514	0.554	1484.	1.6
436	440.0	6.615	35.055	4.69	0.82	27.515	0.555	1484.	1.4
438	442.1	6.598	35.053	4.69	0.82	27.516	0.557	1484.	0.9
440	443.9	6.592	35.053	4.69	0.82	27.517	0.558	1484.	0.9
442	446.0	6.597	35.054	4.67	0.82	27.517	0.559	1484.	1.1
444	448.1	6.596	35.053	4.70	0.82	27.517	0.560	1485.	1.5
446	449.9	6.596	35.054	4.69	0.81	27.517	0.561	1485.	1.8
448	451.9	6.577	35.052	4.68	0.82	27.518	0.563	1485.	1.9
450	454.1	6.491	35.042	4.71	0.82	27.522	0.564	1484.	2.1
452	455.9	6.448	35.042	4.73	0.81	27.527	0.565	1484.	2.1
454	458.0	6.418	35.041	4.73	0.83	27.531	0.567	1484.	2.0
456	460.1	6.416	35.042	4.76	0.82	27.532	0.568	1484.	1.8
458	462.1	6.408	35.041	4.75	0.82	27.532	0.569	1484.	1.6
460	464.2	6.407	35.041	4.76	0.82	27.532	0.570	1484.	1.4
462	465.9	6.403	35.041	4.76	0.82	27.533	0.571	1484.	1.5
464	468.0	6.374	35.038	4.77	0.83	27.534	0.573	1484.	1.6
466	469.9	6.348	35.038	4.78	0.82	27.537	0.574	1484.	1.6
468	472.0	6.332	35.036	4.79	0.83	27.538	0.575	1484.	1.5
470	474.1	6.297	35.034	4.79	0.83	27.541	0.576	1484.	1.6
472	476.0	6.300	35.036	4.79	0.82	27.542	0.577	1484.	1.6
474	478.0	6.320	35.036	4.79	0.83	27.540	0.579	1484.	1.6
476	480.0	6.288	35.034	4.81	0.83	27.542	0.580	1484.	1.7
477	481.3	6.227	35.027	4.82	0.83	27.545	0.581	1484.	1.7
478	482.1	6.223	35.029	4.81	0.83	27.547	0.581	1484.	1.8
479	482.9	6.219	35.030	4.82	0.83	27.548	0.582	1484.	1.9
480	484.0	6.218	35.030	4.81	0.83	27.548	0.582	1484.	1.5
481	485.0	6.219	35.030	4.81	0.84	27.548	0.583	1484.	1.1
482	486.1	6.218	35.030	4.83	0.83	27.548	0.584	1484.	0.6
483	487.0	6.219	35.031	4.83	0.82	27.549	0.584	1484.	0.4
484	488.0	6.218	35.030	4.82	0.82	27.548	0.585	1484.	0.5
485	489.0	6.211	35.029	4.83	0.83	27.549	0.585	1484.	0.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	32	14 NOV 1982	02.5	40 26.8 N	67 39.6 W	530

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
486	490.0	6.209	35.028	4.83	0.84	27.548	0.586	1484.	0.5
487	491.0	6.214	35.029	4.83	0.84	27.548	0.586	1484.	0.2
488	492.0	6.214	35.030	4.84	0.84	27.549	0.587	1484.	0.2
489	493.0	6.215	35.030	4.84	0.83	27.549	0.588	1484.	0.2
490	494.0	6.212	35.030	4.83	0.84	27.549	0.588	1484.	0.2
490	494.8	6.214	35.029	4.83	0.82	27.548	0.589	1484.	0.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	33	14 NOV 1982	04.1	40 30.0 N	67 42.5 W	345

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
4	4.3	10.874	32.664	6.32	0.78	24.979	0.000	1490.	0.0
6	6.0	10.871	32.663	6.32	0.76	24.980	0.005	1490.	0.5
8	8.1	10.871	32.663	6.32	0.77	24.980	0.011	1490.	0.5
10	9.9	10.872	32.663	6.31	0.78	24.979	0.017	1490.	0.5
12	12.1	10.871	32.663	6.28	0.78	24.980	0.023	1490.	0.5
14	14.1	10.871	32.663	6.29	0.78	24.980	0.029	1490.	0.5
16	15.9	10.872	32.663	6.32	0.79	24.979	0.034	1490.	0.6
18	18.1	10.872	32.662	6.29	0.78	24.979	0.041	1490.	0.6
20	19.7	10.872	32.664	6.28	0.79	24.980	0.046	1490.	0.6
22	22.0	10.872	32.666	6.21	0.79	24.982	0.052	1490.	0.5
24	24.1	10.873	32.665	6.19	0.79	24.981	0.059	1490.	0.5
26	26.0	10.873	32.665	6.25	0.81	24.980	0.064	1491.	0.6
28	27.9	10.873	32.665	6.27	0.82	24.981	0.070	1491.	0.7
30	29.9	10.874	32.664	6.23	0.81	24.980	0.076	1491.	0.7
32	32.1	10.874	32.664	6.21	0.81	24.980	0.082	1491.	0.9
34	34.0	10.872	32.668	6.24	0.82	24.983	0.088	1491.	0.9
36	36.0	10.872	32.669	6.25	0.83	24.984	0.094	1491.	0.9
38	37.9	10.874	32.668	6.24	0.83	24.983	0.100	1491.	0.9
40	40.1	10.874	32.669	6.23	0.82	24.983	0.106	1491.	0.9
41	41.8	10.874	32.669	6.22	0.83	24.983	0.111	1491.	0.8
44	44.0	10.874	32.669	6.20	0.82	24.984	0.118	1491.	0.9
46	46.2	10.873	32.669	6.22	0.83	24.984	0.124	1491.	1.0
48	47.9	10.872	32.672	6.16	0.84	24.986	0.130	1491.	1.2
50	50.1	10.872	32.672	6.16	0.84	24.986	0.136	1491.	1.7
52	52.0	10.872	32.672	6.22	0.84	24.986	0.142	1491.	2.3
54	53.9	10.870	32.674	6.22	0.84	24.988	0.147	1491.	3.1
56	56.1	10.866	32.678	6.23	0.84	24.992	0.154	1491.	3.8
57	57.9	10.859	32.688	6.29	0.84	25.000	0.159	1491.	4.1
59	60.0	10.844	32.705	6.28	0.83	25.016	0.165	1491.	5.2
62	62.0	10.817	32.733	6.26	0.82	25.044	0.171	1491.	7.0
63	63.8	10.801	32.750	6.20	0.81	25.059	0.177	1491.	8.7
66	66.0	10.802	32.748	6.05	0.80	25.057	0.183	1491.	9.8
68	68.2	10.692	32.836	5.96	0.79	25.145	0.189	1491.	10.7
69	69.9	10.317	32.948	5.88	0.74	25.297	0.194	1490.	11.1
71	72.0	9.955	33.040	5.83	0.70	25.430	0.199	1488.	11.4
73	73.9	9.871	33.072	5.71	0.70	25.468	0.204	1488.	11.9
75	76.0	9.745	33.129	5.57	0.68	25.534	0.209	1488.	11.4
78	78.2	9.595	33.167	5.51	0.69	25.588	0.215	1487.	10.7
79	79.9	9.439	33.239	5.43	0.68	25.670	0.219	1487.	10.3
81	81.9	9.611	33.470	5.38	0.68	25.822	0.223	1488.	10.6
84	84.2	9.930	33.567	5.30	0.67	25.845	0.228	1489.	10.3
85	85.9	10.087	33.620	5.25	0.67	25.860	0.232	1490.	9.9
87	88.1	10.439	33.798	5.19	0.67	25.939	0.237	1491.	9.3
89	90.0	10.643	33.983	5.11	0.66	26.048	0.240	1492.	9.1
91	92.1	10.614	34.001	5.08	0.66	26.067	0.244	1492.	9.2
93	94.0	10.623	34.025	5.04	0.67	26.084	0.248	1492.	9.1
95	95.9	10.867	34.167	4.95	0.67	26.151	0.252	1493.	8.6
97	97.9	11.396	34.397	4.82	0.66	26.234	0.256	1496.	8.0
100	100.4	11.677	34.504	4.72	0.66	26.265	0.260	1497.	7.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	33	14 NOV 1982	04.1	40 30.0 N	67 42.5 W	345

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
101	101.8	11.837	34.585	4.69	0.67	26.298	0.262	1497.	7.6
103	104.0	11.894	34.639	4.63	0.65	26.329	0.266	1498.	6.9
105	106.0	11.873	34.640	4.59	0.66	26.334	0.270	1498.	6.5
107	107.9	12.004	34.703	4.56	0.67	26.358	0.273	1498.	6.5
109	110.0	12.270	34.838	4.51	0.66	26.412	0.276	1499.	6.5
111	112.0	12.285	34.855	4.46	0.66	26.422	0.280	1499.	6.7
113	113.9	12.185	34.864	4.44	0.66	26.449	0.283	1499.	6.7
115	115.9	12.120	34.899	4.41	0.67	26.489	0.286	1499.	6.6
117	118.1	12.176	34.948	4.38	0.67	26.516	0.289	1499.	6.5
119	119.8	12.282	35.009	4.37	0.69	26.543	0.292	1500.	6.7
121	122.1	12.363	35.053	4.32	0.69	26.561	0.295	1500.	7.2
123	123.8	12.426	35.099	4.28	0.70	26.584	0.298	1500.	7.8
125	126.3	12.537	35.179	4.19	0.70	26.624	0.301	1501.	8.3
127	127.8	12.608	35.253	4.13	0.70	26.668	0.304	1501.	8.6
129	130.1	12.636	35.363	4.09	0.68	26.748	0.307	1502.	8.7
131	131.9	12.427	35.394	4.10	0.69	26.813	0.309	1501.	8.4
133	134.0	12.236	35.401	4.09	0.69	26.856	0.312	1500.	7.8
135	136.1	12.125	35.405	4.06	0.69	26.881	0.314	1500.	6.8
137	138.0	12.034	35.409	4.04	0.69	26.901	0.316	1500.	6.0
139	139.9	11.984	35.407	4.01	0.69	26.909	0.319	1500.	5.3
141	142.0	11.936	35.403	3.99	0.68	26.915	0.321	1499.	4.9
143	144.2	11.829	35.392	3.99	0.69	26.927	0.324	1499.	4.7
145	145.8	11.638	35.387	4.00	0.69	26.959	0.325	1498.	4.7
147	148.1	11.547	35.384	4.01	0.69	26.974	0.328	1498.	4.8
149	149.9	11.512	35.383	4.01	0.70	26.980	0.330	1498.	4.9
151	152.0	11.449	35.375	3.98	0.69	26.985	0.332	1498.	4.8
153	154.2	11.317	35.373	3.99	0.70	27.008	0.335	1497.	4.5
155	155.9	11.192	35.363	4.04	0.70	27.024	0.336	1497.	4.3
157	158.0	11.066	35.353	4.03	0.69	27.039	0.339	1497.	4.0
159	160.0	11.016	35.354	4.02	0.69	27.049	0.341	1496.	3.8
161	162.0	11.007	35.354	4.03	0.70	27.051	0.343	1496.	3.6
163	164.0	10.990	35.353	4.04	0.70	27.053	0.345	1496.	3.7
165	166.1	10.964	35.348	4.02	0.70	27.054	0.347	1496.	3.8
167	168.0	10.885	35.342	4.05	0.72	27.063	0.349	1496.	3.9
169	170.0	10.678	35.327	4.05	0.71	27.089	0.351	1495.	4.2
171	172.3	10.586	35.324	4.07	0.72	27.103	0.353	1495.	4.4
172	173.8	10.560	35.324	4.08	0.72	27.108	0.355	1495.	4.4
175	176.0	10.502	35.320	4.06	0.72	27.115	0.357	1495.	4.2
177	178.2	10.375	35.311	4.08	0.71	27.130	0.359	1494.	4.2
178	179.8	10.292	35.305	4.11	0.72	27.140	0.361	1494.	4.4
180	182.0	10.209	35.300	4.10	0.72	27.151	0.363	1494.	4.4
182	184.0	10.137	35.291	4.09	0.72	27.156	0.365	1494.	4.3
185	186.3	9.916	35.277	4.12	0.72	27.184	0.367	1493.	4.0
186	187.8	9.856	35.277	4.14	0.72	27.194	0.368	1493.	3.7
188	190.0	9.826	35.274	4.12	0.72	27.196	0.370	1493.	3.4
190	192.0	9.785	35.270	4.12	0.72	27.200	0.372	1493.	2.9
192	194.0	9.768	35.271	4.12	0.73	27.203	0.374	1493.	2.2
194	196.0	9.759	35.270	4.13	0.73	27.205	0.376	1493.	2.3
196	197.9	9.750	35.270	4.13	0.73	27.206	0.377	1493.	2.5
198	200.0	9.732	35.267	4.13	0.72	27.207	0.379	1492.	2.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	33	14 NOV 1982	04.1	40 30.0 N	67 42.5 W	345

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
200	202.0	9.670	35.259	4.14	0.73	27.211	0.381	1492.	2.8
202	204.0	9.565	35.256	4.14	0.73	27.226	0.383	1492.	2.9
204	206.0	9.523	35.253	4.14	0.73	27.230	0.384	1492.	2.9
206	208.2	9.499	35.252	4.16	0.73	27.234	0.386	1492.	2.9
208	209.9	9.472	35.250	4.16	0.73	27.237	0.388	1492.	2.7
210	212.0	9.426	35.246	4.15	0.72	27.241	0.390	1492.	2.4
212	214.0	9.406	35.246	4.17	0.73	27.245	0.391	1492.	2.6
214	215.9	9.360	35.239	4.20	0.73	27.247	0.393	1491.	2.8
216	218.0	9.325	35.236	4.18	0.73	27.250	0.395	1491.	2.8
218	220.2	9.275	35.233	4.20	0.72	27.256	0.397	1491.	2.9
220	221.8	9.190	35.229	4.23	0.76	27.267	0.398	1491.	3.1
222	224.0	9.152	35.226	4.23	0.76	27.271	0.400	1491.	3.3
224	226.0	9.128	35.221	4.23	0.75	27.271	0.402	1491.	3.4
226	227.8	9.037	35.218	4.24	0.76	27.283	0.403	1490.	3.4
228	230.0	8.951	35.210	4.24	0.75	27.291	0.405	1490.	3.2
230	232.1	8.851	35.205	4.28	0.74	27.303	0.407	1490.	3.4
232	234.0	8.816	35.203	4.29	0.74	27.307	0.408	1490.	3.3
234	236.0	8.786	35.200	4.30	0.76	27.310	0.410	1490.	3.1
236	238.0	8.715	35.187	4.30	0.76	27.311	0.411	1489.	2.9
238	240.1	8.620	35.189	4.32	0.76	27.327	0.413	1489.	2.7
240	242.0	8.619	35.190	4.32	0.75	27.328	0.414	1489.	2.6
242	244.0	8.612	35.189	4.31	0.74	27.328	0.416	1489.	2.5
244	246.1	8.583	35.188	4.31	0.74	27.332	0.418	1489.	2.3
246	247.7	8.541	35.185	4.33	0.75	27.336	0.419	1489.	1.9
248	250.1	8.525	35.182	4.33	0.74	27.336	0.421	1489.	2.1
250	252.1	8.498	35.181	4.33	0.75	27.340	0.422	1489.	2.1
252	254.0	8.481	35.179	4.31	0.75	27.341	0.424	1489.	2.1
254	256.2	8.442	35.176	4.32	0.75	27.345	0.425	1489.	2.1
256	257.9	8.416	35.176	4.30	0.75	27.349	0.427	1488.	2.2
258	260.3	8.382	35.172	4.33	0.73	27.351	0.429	1488.	2.2
259	261.7	8.355	35.170	4.34	0.75	27.354	0.430	1488.	2.2
262	264.0	8.328	35.169	4.34	0.75	27.357	0.431	1488.	2.0
264	266.0	8.309	35.169	4.36	0.75	27.359	0.433	1488.	1.9
266	267.9	8.286	35.167	4.36	0.75	27.362	0.434	1488.	1.8
268	270.0	8.273	35.166	4.35	0.75	27.363	0.436	1488.	1.8
270	271.8	8.268	35.166	4.37	0.75	27.364	0.437	1488.	1.9
272	274.0	8.239	35.163	4.35	0.74	27.366	0.439	1488.	1.9
274	276.1	8.231	35.160	4.35	0.74	27.365	0.441	1488.	2.0
276	278.0	8.182	35.158	4.38	0.75	27.371	0.442	1488.	2.2
278	280.0	8.139	35.157	4.37	0.76	27.377	0.444	1488.	2.3
280	282.0	8.128	35.154	4.38	0.76	27.376	0.445	1488.	2.2
282	284.0	8.088	35.153	4.40	0.76	27.381	0.447	1488.	2.2
284	285.9	8.032	35.150	4.40	0.78	27.387	0.448	1487.	2.0
286	288.0	8.038	35.150	4.41	0.78	27.386	0.449	1488.	1.8
288	290.1	8.037	35.148	4.40	0.78	27.385	0.451	1488.	2.0
289	291.8	8.005	35.148	4.41	0.79	27.390	0.452	1487.	1.7
292	294.0	7.993	35.147	4.40	0.80	27.391	0.454	1487.	1.7
294	296.1	7.957	35.140	4.40	0.80	27.391	0.455	1487.	1.7
295	297.9	7.919	35.145	4.42	0.81	27.400	0.457	1487.	1.6
297	300.0	7.938	35.141	4.42	0.82	27.394	0.458	1487.	1.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	33	14 NOV 1982	04.1	40 30.0 N	67 42.5 W	345

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
300	302.1	7.912	35.141	4.41	0.82	27.398	0.460	1487.	1.3
302	304.1	7.923	35.143	4.42	0.81	27.398	0.461	1487.	1.3
303	305.7	7.935	35.142	4.41	0.81	27.395	0.462	1487.	1.2
305	308.1	7.899	35.138	4.40	0.82	27.398	0.464	1487.	1.6
308	310.3	7.897	35.142	4.42	0.80	27.401	0.466	1487.	2.0
309	311.8	7.866	35.139	4.42	0.83	27.403	0.467	1487.	2.6
311	314.1	7.843	35.136	4.43	0.83	27.404	0.468	1487.	3.2
313	316.1	7.807	35.135	4.48	0.83	27.409	0.470	1487.	3.7
315	317.9	7.741	35.134	4.49	0.84	27.418	0.471	1487.	3.9
317	320.0	7.465	35.105	4.51	0.87	27.435	0.473	1486.	3.9
319	322.1	7.349	35.104	4.54	0.87	27.451	0.474	1485.	3.8
321	323.7	7.285	35.100	4.56	0.88	27.458	0.475	1485.	3.6
323	326.0	7.253	35.097	4.56	0.87	27.460	0.477	1485.	3.2
325	328.2	7.225	35.095	4.58	0.85	27.462	0.478	1485.	2.7
327	329.7	7.184	35.091	4.60	0.86	27.465	0.479	1485.	2.4
328	331.3	7.142	35.086	4.60	0.87	27.467	0.480	1485.	2.5
329	332.0	7.124	35.085	4.61	0.87	27.469	0.481	1485.	2.6
330	333.0	7.092	35.078	4.62	0.87	27.468	0.481	1485.	2.7
331	334.0	7.045	35.081	4.63	0.87	27.476	0.482	1484.	2.9
332	335.0	7.027	35.082	4.64	0.86	27.480	0.483	1484.	2.8
333	335.9	7.052	35.083	4.64	0.88	27.477	0.483	1484.	2.6
334	337.0	7.042	35.082	4.64	0.89	27.478	0.484	1484.	2.4
335	338.0	6.998	35.084	4.65	0.88	27.486	0.485	1484.	1.9
336	339.0	7.007	35.081	4.66	0.86	27.482	0.485	1484.	1.7
337	340.0	6.986	35.080	4.65	0.89	27.484	0.486	1484.	1.7
338	341.0	6.987	35.080	4.66	0.89	27.484	0.486	1484.	1.7
339	342.0	6.983	35.080	4.62	0.96	27.484	0.487	1484.	1.7
340	343.0	6.979	35.080	4.66	0.95	27.485	0.488	1484.	1.7
341	344.0	6.985	35.080	4.61	0.88	27.484	0.488	1484.	1.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	34	14 NOV 1982	04.9	40 31.5 N	67 42.9 W	305

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.9	10.877	32.647	6.27	0.81	24.966	0.000	1490.	-0.5
4	4.0	10.878	32.647	6.23	0.79	24.965	0.003	1490.	-0.5
6	6.0	10.881	32.646	6.23	0.77	24.964	0.009	1490.	-0.5
8	8.2	10.880	32.646	6.30	0.77	24.965	0.016	1490.	-0.5
10	10.0	10.877	32.647	6.35	0.78	24.965	0.021	1490.	-0.5
12	12.0	10.879	32.646	6.35	0.78	24.965	0.027	1490.	-0.4
14	14.2	10.883	32.646	6.37	0.78	24.964	0.033	1490.	-0.3
16	16.0	10.884	32.646	6.34	0.79	24.964	0.039	1490.	-0.4
18	17.9	10.884	32.646	6.29	0.78	24.964	0.045	1490.	-0.4
20	20.0	10.884	32.646	6.29	0.78	24.964	0.051	1490.	0.4
22	22.0	10.884	32.646	6.34	0.79	24.964	0.057	1490.	0.6
24	24.1	10.884	32.646	6.36	0.79	24.964	0.063	1491.	0.7
25	25.7	10.884	32.646	6.39	0.80	24.964	0.068	1491.	0.8
28	28.0	10.883	32.649	6.39	0.78	24.966	0.075	1491.	0.8
30	30.2	10.883	32.648	6.40	0.76	24.966	0.081	1491.	0.9
32	31.8	10.884	32.649	6.41	0.78	24.966	0.086	1491.	0.9
34	34.3	10.884	32.650	6.38	0.79	24.967	0.094	1491.	0.9
36	36.1	10.885	32.650	6.34	0.80	24.967	0.099	1491.	1.1
38	37.9	10.884	32.651	6.33	0.80	24.968	0.104	1491.	1.3
40	40.0	10.884	32.651	6.32	0.80	24.968	0.111	1491.	1.4
42	42.0	10.882	32.653	6.30	0.81	24.970	0.117	1491.	1.4
43	43.8	10.879	32.656	6.30	0.81	24.972	0.122	1491.	1.6
46	46.0	10.877	32.658	6.31	0.81	24.975	0.129	1491.	1.9
48	48.2	10.878	32.658	6.31	0.81	24.974	0.135	1491.	2.1
50	50.0	10.877	32.659	6.31	0.82	24.975	0.141	1491.	2.2
52	52.0	10.873	32.663	6.30	0.82	24.979	0.146	1491.	2.6
54	54.0	10.863	32.675	6.26	0.82	24.990	0.152	1491.	3.1
56	56.0	10.865	32.673	6.20	0.82	24.988	0.158	1491.	3.8
58	58.2	10.860	32.681	6.19	0.82	24.995	0.165	1491.	4.4
59	59.8	10.852	32.695	6.14	0.82	25.008	0.170	1491.	5.3
62	62.0	10.842	32.715	6.10	0.80	25.025	0.176	1491.	6.4
63	64.0	10.819	32.747	6.07	0.79	25.053	0.182	1491.	7.9
65	66.0	10.792	32.774	5.98	0.77	25.080	0.188	1491.	9.3
68	68.2	10.717	32.827	5.92	0.76	25.134	0.194	1491.	10.3
69	69.9	10.591	32.902	5.77	0.74	25.214	0.199	1491.	10.9
72	72.1	10.423	33.028	5.68	0.71	25.341	0.205	1490.	11.4
73	74.0	10.238	33.124	5.52	0.69	25.447	0.210	1490.	11.8
75	76.0	9.820	33.140	5.52	0.68	25.530	0.215	1488.	11.8
78	78.2	9.733	33.178	5.41	0.67	25.574	0.220	1488.	11.3
79	80.0	9.653	33.275	5.34	0.68	25.663	0.224	1488.	10.8
81	82.0	9.596	33.417	5.32	0.68	25.783	0.229	1488.	10.6
83	84.2	9.615	33.483	5.30	0.68	25.832	0.234	1488.	10.4
85	85.7	9.630	33.514	5.23	0.68	25.854	0.237	1488.	10.0
87	88.0	9.719	33.630	5.17	0.68	25.929	0.242	1489.	9.1
89	90.1	9.881	33.786	5.15	0.68	26.025	0.246	1489.	8.1
91	91.8	9.926	33.832	5.15	0.68	26.053	0.249	1490.	7.4
93	94.0	10.026	33.881	5.13	0.68	26.074	0.254	1490.	6.6
95	96.2	10.058	33.900	5.13	0.68	26.083	0.258	1490.	5.3
97	98.0	10.098	33.915	5.11	0.69	26.089	0.261	1490.	4.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	34	14 NOV 1982	04.9	40 31.5 N	67 42.9 W	305

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	100.3	10.140	33.934	5.10	0.69	26.096	0.266	1491.	4.1
101	101.9	10.191	33.957	5.07	0.69	26.105	0.269	1491.	4.4
103	104.2	10.294	33.997	5.05	0.68	26.119	0.273	1491.	4.9
105	106.0	10.302	34.009	5.08	0.69	26.127	0.277	1491.	6.0
107	108.1	10.312	34.046	5.06	0.69	26.154	0.281	1492.	7.1
109	110.2	10.387	34.093	5.00	0.69	26.178	0.285	1492.	8.0
111	111.9	10.630	34.184	4.86	0.69	26.207	0.288	1493.	9.2
113	114.0	11.102	34.415	4.76	0.68	26.302	0.292	1495.	9.9
115	116.4	11.366	34.568	4.66	0.69	26.372	0.296	1496.	10.5
117	117.7	11.757	34.744	4.34	0.70	26.437	0.298	1498.	10.9
119	120.0	12.337	35.025	4.23	0.69	26.544	0.301	1500.	10.9
121	122.1	12.805	35.234	4.16	0.69	26.614	0.304	1502.	10.5
123	123.8	12.893	35.333	3.99	0.69	26.673	0.307	1502.	9.9
125	126.1	12.612	35.384	3.95	0.68	26.769	0.310	1501.	9.1
127	128.0	12.439	35.389	3.92	0.69	26.807	0.312	1501.	7.9
129	129.8	12.351	35.393	3.82	0.70	26.827	0.315	1501.	6.8
131	132.2	12.284	35.401	3.82	0.70	26.846	0.318	1500.	5.8
133	133.8	12.264	35.402	3.87	0.70	26.851	0.320	1500.	4.9
135	136.0	12.261	35.406	3.88	0.70	26.855	0.322	1500.	4.7
137	138.2	12.167	35.400	3.95	0.70	26.868	0.325	1500.	4.7
139	140.0	12.102	35.402	3.98	0.70	26.883	0.327	1500.	5.0
141	142.1	11.915	35.393	4.00	0.70	26.912	0.329	1499.	5.3
143	143.9	11.802	35.384	3.97	0.72	26.926	0.332	1499.	5.5
145	146.0	11.712	35.383	3.94	0.72	26.942	0.334	1499.	5.5
147	148.1	11.570	35.377	3.96	0.72	26.964	0.336	1498.	5.6
149	150.1	11.401	35.366	3.93	0.73	26.988	0.339	1498.	5.5
151	151.7	11.363	35.369	3.89	0.73	26.997	0.340	1498.	5.4
153	154.0	11.250	35.363	3.92	0.73	27.013	0.343	1497.	5.1
155	156.1	10.952	35.337	3.97	0.73	27.047	0.345	1496.	4.6
157	157.9	10.893	35.331	3.99	0.75	27.053	0.347	1496.	4.2
159	159.9	10.864	35.335	3.97	0.75	27.061	0.349	1496.	4.1
161	162.1	10.856	35.335	3.97	0.75	27.063	0.351	1496.	4.1
163	163.9	10.848	35.335	3.98	0.75	27.064	0.353	1496.	4.2
165	165.9	10.801	35.330	3.98	0.76	27.069	0.355	1496.	4.5
166	167.8	10.576	35.314	4.01	0.76	27.097	0.357	1495.	4.9
169	170.0	10.405	35.306	4.03	0.76	27.121	0.359	1494.	5.2
171	172.3	10.231	35.291	4.05	0.76	27.140	0.361	1494.	5.3
172	173.9	10.146	35.286	4.03	0.76	27.151	0.363	1494.	5.2
175	176.0	10.011	35.279	4.03	0.76	27.168	0.365	1493.	4.7
177	178.1	9.850	35.266	4.05	0.76	27.186	0.367	1493.	4.2
178	179.9	9.793	35.267	4.04	0.75	27.197	0.368	1492.	3.8
180	181.9	9.763	35.266	4.00	0.76	27.201	0.370	1492.	3.4
183	184.0	9.754	35.266	4.00	0.76	27.202	0.372	1492.	3.0
184	185.8	9.714	35.262	4.05	0.76	27.206	0.374	1492.	2.4
187	188.2	9.656	35.258	4.02	0.76	27.212	0.376	1492.	2.3
188	189.9	9.640	35.259	4.07	0.76	27.216	0.377	1492.	2.5
190	192.0	9.622	35.258	4.06	0.76	27.218	0.379	1492.	2.7
192	194.0	9.661	35.261	4.07	0.76	27.214	0.381	1492.	2.8
194	195.9	9.531	35.249	4.10	0.77	27.227	0.383	1492.	2.9
196	197.9	9.464	35.244	4.11	0.77	27.233	0.384	1491.	3.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	34	14 NOV 1982	04.9	40 31.5 N	67 42.9 W	305

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
198	200.0	9.412	35.243	4.14	0.78	27.242	0.386	1491.	3.1
201	202.2	9.368	35.240	4.16	0.78	27.246	0.388	1491.	3.0
202	204.0	9.333	35.238	4.14	0.79	27.250	0.390	1491.	2.8
204	206.1	9.295	35.234	4.13	0.79	27.254	0.391	1491.	2.9
206	207.9	9.255	35.233	4.12	0.80	27.259	0.393	1491.	2.9
209	210.2	9.211	35.228	4.12	0.80	27.263	0.395	1491.	2.9
210	211.7	9.137	35.218	4.10	0.80	27.267	0.396	1490.	2.7
212	214.1	9.051	35.218	4.04	0.82	27.281	0.398	1490.	2.5
214	216.1	9.047	35.218	4.08	0.82	27.282	0.400	1490.	2.2
216	217.9	9.049	35.218	4.12	0.82	27.282	0.401	1490.	1.9
218	220.1	9.048	35.218	4.12	0.82	27.282	0.403	1490.	1.4
220	221.9	9.049	35.218	4.12	0.82	27.282	0.405	1490.	0.5
222	224.0	9.044	35.218	4.07	0.82	27.282	0.406	1490.	0.5
224	226.0	9.043	35.218	4.06	0.82	27.282	0.408	1490.	0.6
226	228.1	9.046	35.218	4.10	0.82	27.282	0.410	1490.	0.6
228	229.9	9.048	35.219	4.04	0.82	27.282	0.411	1490.	0.5
230	232.0	9.037	35.217	4.02	0.83	27.283	0.413	1490.	0.5
232	234.1	9.034	35.217	4.07	0.82	27.283	0.415	1490.	0.8
234	235.8	9.035	35.217	4.16	0.83	27.283	0.416	1490.	1.5
236	238.1	9.039	35.217	4.15	0.82	27.282	0.418	1491.	2.0
238	240.2	9.036	35.217	4.18	0.82	27.283	0.420	1491.	2.3
240	242.0	8.994	35.213	4.18	0.83	27.287	0.421	1490.	2.5
242	244.0	8.881	35.205	4.18	0.84	27.298	0.423	1490.	2.8
244	246.1	8.833	35.202	4.18	0.84	27.304	0.425	1490.	2.9
246	247.7	8.819	35.202	4.19	0.85	27.306	0.426	1490.	2.8
248	250.1	8.784	35.198	4.19	0.85	27.308	0.428	1490.	2.8
250	252.0	8.714	35.195	4.19	0.85	27.317	0.429	1490.	2.6
252	254.0	8.680	35.191	4.18	0.86	27.319	0.431	1489.	2.6
254	256.1	8.674	35.190	4.16	0.85	27.320	0.433	1489.	2.5
256	257.9	8.577	35.184	4.17	0.85	27.330	0.434	1489.	2.6
258	260.0	8.580	35.186	4.11	0.86	27.331	0.436	1489.	2.6
260	262.0	8.551	35.184	4.12	0.86	27.334	0.437	1489.	2.8
262	264.0	8.525	35.180	4.13	0.86	27.335	0.439	1489.	2.9
264	266.1	8.423	35.172	4.16	0.86	27.345	0.440	1489.	2.9
266	268.2	8.361	35.168	4.24	0.87	27.351	0.442	1488.	3.4
268	270.0	8.297	35.167	4.27	0.87	27.360	0.443	1488.	3.8
270	272.1	8.297	35.166	4.26	0.87	27.359	0.445	1488.	4.1
272	274.0	8.188	35.157	4.25	0.88	27.369	0.446	1488.	4.2
274	275.9	7.933	35.136	4.31	0.86	27.391	0.448	1487.	4.3
276	278.0	7.793	35.132	4.32	0.87	27.409	0.449	1486.	4.4
277	279.7	7.719	35.127	4.35	0.85	27.416	0.451	1486.	4.3
279	281.3	7.701	35.127	4.41	0.82	27.418	0.452	1486.	3.9
280	282.1	7.689	35.128	4.42	0.80	27.421	0.452	1486.	3.1
281	283.0	7.673	35.128	4.43	0.85	27.423	0.453	1486.	2.4
282	284.0	7.657	35.124	4.45	0.85	27.422	0.454	1486.	2.4
283	285.1	7.646	35.123	4.41	0.84	27.424	0.454	1486.	2.4
284	286.2	7.628	35.122	4.41	0.85	27.425	0.455	1486.	2.4
284	286.7	7.630	35.122	4.40	0.85	27.425	0.455	1486.	2.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	35	14 NOV 1982	05.8	40 32.4 N	67 44.4 W	138

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.5	10.876	32.657	6.28	0.78	24.973	0.000	1490.	-0.2
4	4.0	10.882	32.656	6.35	0.81	24.972	0.005	1490.	-0.2
6	6.0	10.881	32.656	6.33	0.79	24.972	0.010	1490.	-0.2
8	8.1	10.883	32.656	6.35	0.79	24.972	0.017	1490.	-0.2
10	9.9	10.883	32.656	6.32	0.79	24.972	0.022	1490.	-0.2
12	12.1	10.882	32.656	6.31	0.79	24.972	0.029	1490.	0.4
14	13.7	10.883	32.656	6.32	0.80	24.972	0.034	1490.	0.4
16	16.1	10.884	32.657	6.32	0.78	24.972	0.041	1490.	0.5
18	17.9	10.884	32.657	6.34	0.80	24.972	0.046	1490.	0.5
20	20.1	10.884	32.657	6.33	0.80	24.972	0.053	1490.	0.6
22	21.7	10.884	32.657	6.33	0.81	24.973	0.057	1490.	0.8
24	24.1	10.885	32.658	6.32	0.80	24.973	0.064	1491.	0.8
26	25.9	10.885	32.658	6.30	0.81	24.973	0.070	1491.	0.9
27	27.7	10.884	32.660	6.29	0.82	24.974	0.075	1491.	0.8
30	30.2	10.884	32.660	6.27	0.81	24.975	0.083	1491.	0.7
31	31.7	10.884	32.660	6.27	0.82	24.975	0.087	1491.	0.6
34	34.2	10.884	32.661	6.29	0.82	24.975	0.094	1491.	0.6
36	35.9	10.885	32.660	6.29	0.83	24.975	0.100	1491.	0.4
38	38.0	10.885	32.660	6.32	0.83	24.975	0.106	1491.	0.7
40	40.2	10.885	32.660	6.36	0.83	24.975	0.112	1491.	1.0
41	41.6	10.885	32.661	6.32	0.84	24.975	0.117	1491.	1.6
44	44.0	10.885	32.661	6.30	0.83	24.975	0.124	1491.	1.9
46	46.2	10.882	32.664	6.32	0.84	24.978	0.130	1491.	2.1
48	47.9	10.879	32.667	6.30	0.84	24.981	0.135	1491.	2.3
50	50.3	10.864	32.676	6.29	0.83	24.991	0.142	1491.	2.5
51	51.9	10.862	32.678	6.23	0.84	24.993	0.147	1491.	2.7
54	54.0	10.862	32.678	6.21	0.84	24.993	0.153	1491.	3.0
56	56.0	10.852	32.684	6.22	0.83	24.999	0.159	1491.	3.4
58	58.1	10.845	32.689	6.17	0.84	25.004	0.166	1491.	4.0
59	59.9	10.834	32.696	6.08	0.84	25.012	0.171	1491.	4.7
62	62.3	10.805	32.713	6.07	0.83	25.030	0.178	1491.	5.3
63	63.9	10.779	32.730	6.00	0.82	25.048	0.182	1491.	6.6
66	66.2	10.753	32.763	5.99	0.81	25.077	0.189	1491.	7.8
68	68.1	10.740	32.798	5.95	0.80	25.107	0.195	1491.	9.2
69	69.8	10.725	32.827	5.79	0.79	25.133	0.199	1491.	10.4
71	72.0	10.607	32.950	5.76	0.77	25.249	0.206	1491.	11.4
73	73.8	10.492	33.026	5.76	0.75	25.328	0.210	1490.	12.2
76	76.1	10.131	33.129	5.77	0.72	25.470	0.216	1489.	12.4
77	77.8	9.846	33.188	5.64	0.72	25.564	0.221	1488.	12.0
79	80.0	9.682	33.311	5.50	0.72	25.686	0.226	1488.	11.1
82	82.2	9.809	33.460	5.38	0.72	25.782	0.231	1489.	10.1
83	84.0	9.887	33.523	5.24	0.73	25.818	0.235	1489.	9.1
85	86.0	9.898	33.529	5.22	0.73	25.821	0.239	1489.	8.3
87	87.9	9.912	33.535	5.18	0.73	25.823	0.243	1489.	7.6
89	90.0	9.944	33.600	5.15	0.74	25.869	0.248	1489.	7.3
91	92.0	9.901	33.681	5.13	0.74	25.939	0.252	1489.	7.2
94	94.3	9.939	33.745	5.12	0.74	25.983	0.257	1490.	7.4
95	96.0	9.955	33.786	5.07	0.74	26.012	0.260	1490.	8.1
97	97.7	9.938	33.794	5.03	0.74	26.021	0.264	1490.	8.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	35	14 NOV 1982	05.8	40 32.4 N	67 44.4 W	138

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	100.3	9.938	33.816	5.05	0.73	26.039	0.269	1490.	9.3
101	101.8	10.102	33.917	5.02	0.74	26.089	0.272	1491.	10.2
103	104.1	10.632	34.200	4.90	0.73	26.218	0.276	1493.	10.9
105	105.7	11.112	34.423	4.76	0.73	26.307	0.279	1495.	11.3
107	108.1	11.580	34.643	4.67	0.73	26.391	0.283	1497.	11.1
109	110.0	11.875	34.841	4.51	0.75	26.490	0.286	1498.	10.3
111	112.2	12.157	35.026	4.35	0.75	26.580	0.289	1499.	9.2
113	113.7	12.237	35.077	4.25	0.75	26.604	0.292	1500.	8.4
115	116.1	12.261	35.089	4.23	0.74	26.608	0.295	1500.	7.8
117	117.7	12.288	35.108	4.24	0.75	26.618	0.297	1500.	7.0
119	120.1	12.433	35.203	4.22	0.74	26.664	0.301	1501.	6.6
120	121.3	12.521	35.263	4.22	0.74	26.693	0.302	1501.	7.2
121	122.1	12.545	35.305	4.22	0.74	26.720	0.304	1501.	8.3
122	123.0	12.522	35.309	4.13	0.73	26.729	0.305	1501.	9.0
123	124.0	12.466	35.306	4.12	0.73	26.737	0.306	1501.	9.4
124	125.0	12.352	35.338	4.10	0.74	26.784	0.307	1500.	9.2
125	126.0	12.260	35.375	4.06	0.74	26.831	0.309	1500.	8.8
126	127.0	12.162	35.392	4.08	0.74	26.863	0.310	1500.	8.9
127	128.0	12.108	35.390	4.06	0.75	26.872	0.311	1500.	8.8
128	129.0	12.082	35.392	4.05	0.75	26.878	0.312	1500.	8.5
129	130.0	12.033	35.388	4.06	0.76	26.884	0.313	1500.	8.0
130	131.0	11.692	35.362	4.11	0.77	26.930	0.315	1498.	7.9
131	132.0	11.512	35.361	4.10	0.78	26.962	0.316	1498.	7.7
132	133.0	11.417	35.364	4.09	0.79	26.983	0.317	1497.	7.7
133	134.1	11.388	35.362	4.09	0.79	26.986	0.318	1497.	7.7
134	135.1	11.295	35.358	4.14	0.80	27.000	0.319	1497.	7.7
135	135.6	11.385	35.362	4.11	0.80	26.987	0.320	1497.	7.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	36	14 NOV 1982	06.5	40 33.9 N	67 44.9 W	103

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
5	4.7	10.913	32.684	6.42	0.72	24.988	0.000	1490.	0.4
6	6.0	10.921	32.682	6.51	0.72	24.985	0.004	1490.	0.4
8	8.0	10.922	32.682	6.45	0.71	24.985	0.010	1490.	0.4
10	9.9	10.919	32.683	6.48	0.72	24.986	0.016	1490.	0.4
12	12.1	10.918	32.682	6.55	0.71	24.986	0.022	1490.	0.4
14	13.8	10.917	32.683	6.52	0.72	24.987	0.027	1491.	0.5
16	15.9	10.914	32.684	6.56	0.72	24.988	0.033	1491.	0.2
18	18.0	10.918	32.682	6.58	0.73	24.986	0.039	1491.	-0.4
20	19.9	10.916	32.683	6.56	0.74	24.987	0.045	1491.	-0.2
22	22.1	10.919	32.682	6.59	0.73	24.986	0.052	1491.	-0.4
24	23.9	10.920	32.682	6.57	0.74	24.985	0.057	1491.	-0.4
26	26.1	10.920	32.682	6.57	0.73	24.986	0.063	1491.	0.2
28	27.9	10.917	32.684	6.54	0.73	24.987	0.069	1491.	0.5
30	29.9	10.922	32.683	6.47	0.73	24.986	0.075	1491.	0.7
32	32.0	10.919	32.683	6.46	0.74	24.986	0.081	1491.	0.8
34	34.2	10.922	32.683	6.42	0.74	24.986	0.088	1491.	1.1
36	35.9	10.914	32.684	6.43	0.74	24.988	0.092	1491.	1.1
38	38.1	10.916	32.684	6.45	0.74	24.988	0.099	1491.	1.2
40	39.9	10.910	32.685	6.43	0.75	24.989	0.104	1491.	1.3
42	42.1	10.898	32.688	6.41	0.75	24.994	0.111	1491.	1.5
44	43.9	10.909	32.686	6.40	0.75	24.990	0.116	1491.	1.7
46	46.2	10.903	32.687	6.37	0.75	24.992	0.123	1491.	2.0
47	47.8	10.899	32.688	6.35	0.76	24.994	0.128	1491.	2.2
50	50.0	10.881	32.692	6.40	0.75	25.000	0.135	1491.	2.4
52	52.1	10.870	32.694	6.38	0.76	25.004	0.141	1491.	2.9
53	53.8	10.858	32.698	6.34	0.76	25.009	0.146	1491.	3.2
56	56.2	10.849	32.701	6.31	0.76	25.013	0.153	1491.	3.9
57	57.8	10.837	32.706	6.22	0.76	25.019	0.157	1491.	5.1
60	60.0	10.805	32.720	6.22	0.76	25.035	0.164	1491.	6.4
61	61.9	10.787	32.729	6.18	0.75	25.045	0.169	1491.	7.8
64	64.3	10.717	32.770	6.10	0.74	25.089	0.176	1491.	9.1
65	65.8	10.620	32.831	6.01	0.73	25.154	0.181	1490.	9.8
68	68.1	10.415	32.901	5.95	0.71	25.244	0.187	1490.	10.2
70	70.1	10.155	32.957	5.86	0.69	25.331	0.192	1489.	10.0
71	72.0	10.035	33.054	5.66	0.68	25.427	0.197	1489.	9.2
74	74.1	10.127	33.134	5.62	0.69	25.474	0.203	1489.	8.3
75	75.9	10.152	33.142	5.56	0.71	25.477	0.207	1489.	7.2
77	78.0	10.078	33.138	5.60	0.70	25.485	0.212	1489.	6.0
79	80.1	10.062	33.151	5.63	0.70	25.499	0.218	1489.	5.0
81	81.2	10.023	33.148	5.64	0.70	25.502	0.220	1489.	5.1
81	82.0	9.997	33.151	5.67	0.71	25.509	0.222	1489.	5.7
82	83.0	9.910	33.158	5.70	0.70	25.530	0.225	1489.	6.1
83	84.0	9.995	33.201	5.68	0.69	25.549	0.227	1489.	6.2
84	85.1	10.170	33.271	5.64	0.70	25.574	0.230	1490.	6.1
85	86.0	10.247	33.287	5.61	0.71	25.573	0.232	1490.	6.3
86	87.0	10.331	33.307	5.57	0.72	25.574	0.234	1490.	6.5
87	88.0	10.403	33.332	5.56	0.72	25.582	0.237	1491.	7.2
88	89.0	10.406	33.351	5.55	0.73	25.596	0.239	1491.	7.9
89	90.0	10.414	33.398	5.52	0.73	25.631	0.242	1491.	9.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	36	14 NOV 1982	06.5	40 33.9 N	67 44.9 W	103

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
90	91.0	10.437	33.437	5.49	0.73	25.658	0.244	1491.	10.4
91	91.9	10.441	33.489	5.43	0.73	25.697	0.246	1491.	12.0
92	93.1	10.433	33.524	5.41	0.73	25.726	0.249	1491.	13.9
93	94.0	10.379	33.572	5.33	0.73	25.773	0.251	1491.	16.9
94	95.0	10.259	33.660	5.29	0.73	25.862	0.253	1491.	19.4
95	96.0	10.294	33.819	5.19	0.73	25.980	0.255	1491.	19.4
96	97.1	10.529	34.076	5.10	0.72	26.140	0.258	1492.	19.4
97	98.0	11.208	34.638	4.89	0.72	26.456	0.259	1495.	19.4
98	98.9	12.054	35.064	4.75	0.72	26.629	0.260	1499.	19.4

STA 37 DAY: 14 TIME: 0709

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.3	10.9	68.8	10.6
0.9	10.9	69.5	10.5
1.6	10.9	70.5	10.5
2.7	10.9	71.6	10.5
4.6	10.9	72.3	10.5
6.3	10.9	73.1	10.5
8.0	10.9	74.5	10.5
9.4	10.9	75.5	10.4
11.4	10.9	76.2	10.4
12.9	10.9	76.6	10.4
15.1	10.8	77.2	10.4
16.8	10.8	77.5	10.4
18.2	10.9	77.6	10.4
19.6	10.9	78.3	10.4
21.0	10.9	79.3	10.4
23.1	10.9	80.0	10.4
25.5	10.9	80.8	10.4
27.1	10.9	81.7	10.3
28.5	10.9	82.1	10.3
29.8	10.9	82.5	10.3
31.4	10.9		
32.9	10.9		
35.0	10.9		
36.1	10.9		
37.8	10.9		
39.1	10.9		
40.4	10.9		
41.8	10.9		
43.3	10.9		
45.6	10.9		
47.2	10.9		
48.5	10.9		
49.9	10.9		
51.4	10.9		
52.3	10.9		
54.7	10.8		
55.8	10.8		
56.9	10.8		
57.5	10.8		
57.9	10.7		
58.1	10.7		
59.0	10.7		
60.1	10.6		
61.3	10.6		
62.2	10.6		
63.0	10.6		
64.3	10.6		
65.7	10.6		
66.8	10.6		
67.8	10.6		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	38	14 NOV 1982	07.6	40 39.0 N	67 46.1 W	81

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.4	10.939	32.764	6.27	0.73	25.046	0.000	1490.	0.2
4	3.8	10.939	32.765	6.22	0.74	25.047	0.004	1491.	0.2
6	6.3	10.940	32.765	6.15	0.75	25.046	0.011	1491.	0.2
8	7.9	10.940	32.765	6.19	0.75	25.046	0.016	1491.	0.2
10	9.9	10.939	32.765	6.20	0.75	25.047	0.022	1491.	0.2
12	12.0	10.940	32.765	6.20	0.74	25.047	0.028	1491.	-0.2
14	14.0	10.939	32.765	6.20	0.75	25.046	0.034	1491.	0.2
16	15.9	10.939	32.764	6.21	0.74	25.046	0.039	1491.	0.2
18	17.9	10.942	32.765	6.19	0.74	25.046	0.045	1491.	0.3
20	20.1	10.945	32.766	6.21	0.75	25.046	0.051	1491.	0.2
22	22.1	10.940	32.765	6.20	0.74	25.046	0.057	1491.	0.3
24	23.9	10.939	32.765	6.18	0.75	25.047	0.063	1491.	0.3
26	26.0	10.940	32.765	6.17	0.75	25.047	0.069	1491.	0.2
28	28.0	10.942	32.765	6.16	0.75	25.046	0.074	1491.	1.3
30	29.9	10.940	32.765	6.17	0.76	25.047	0.080	1491.	2.2
32	32.1	10.943	32.765	6.15	0.76	25.046	0.086	1491.	3.4
34	34.0	10.943	32.765	6.09	0.76	25.046	0.092	1491.	4.7
36	36.1	10.955	32.787	6.11	0.76	25.061	0.098	1491.	6.1
38	37.9	10.966	32.814	6.06	0.76	25.080	0.103	1491.	7.3
40	39.9	10.958	32.869	5.94	0.75	25.124	0.109	1491.	8.2
42	42.0	10.933	32.926	5.86	0.75	25.173	0.115	1491.	8.6
44	44.2	10.886	33.022	5.77	0.74	25.256	0.121	1491.	8.6
46	46.0	10.845	33.092	5.57	0.74	25.318	0.125	1491.	8.1
48	48.0	10.797	33.142	5.55	0.73	25.365	0.131	1491.	7.2
50	50.0	10.782	33.152	5.49	0.73	25.375	0.136	1491.	6.1
52	51.9	10.773	33.158	5.43	0.74	25.382	0.141	1491.	4.6
54	54.0	10.759	33.163	5.45	0.74	25.388	0.147	1491.	3.4
56	56.2	10.756	33.164	5.46	0.74	25.389	0.152	1491.	2.3
57	57.8	10.759	33.164	5.44	0.75	25.389	0.156	1491.	1.9
60	60.1	10.750	33.166	5.48	0.75	25.392	0.162	1491.	1.5
61	61.3	10.748	33.166	5.50	0.74	25.393	0.165	1491.	1.2
62	62.0	10.750	33.166	5.50	0.75	25.393	0.167	1491.	1.0
62	62.9	10.754	33.166	5.46	0.76	25.392	0.170	1491.	0.7
63	64.0	10.755	33.166	5.45	0.76	25.392	0.172	1491.	-0.8
65	65.1	10.754	33.167	5.47	0.75	25.392	0.175	1491.	-0.9
65	66.0	10.755	33.167	5.50	0.75	25.392	0.177	1491.	-0.9
66	67.0	10.761	33.167	5.50	0.76	25.391	0.180	1491.	-0.8
67	68.0	10.762	33.167	5.50	0.75	25.391	0.183	1491.	-0.7
68	69.0	10.763	33.167	5.50	0.76	25.390	0.185	1491.	-0.6
70	70.1	10.765	33.166	5.51	0.76	25.390	0.188	1491.	-0.3
70	71.0	10.760	33.166	5.49	0.76	25.390	0.190	1491.	0.5
71	72.0	10.759	33.167	5.49	0.76	25.391	0.193	1491.	0.1
72	73.0	10.760	33.167	5.50	0.76	25.391	0.196	1492.	-0.4
73	74.0	10.760	33.167	5.49	0.76	25.391	0.198	1492.	-0.7
74	74.9	10.760	33.166	5.49	0.76	25.391	0.201	1492.	-0.7
75	76.1	10.766	33.166	5.51	0.78	25.389	0.204	1492.	-0.7
76	76.9	10.766	33.166	5.58	0.80	25.389	0.206	1492.	-0.7
77	77.9	10.767	33.166	5.57	0.83	25.389	0.208	1492.	-0.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	39	14 NOV 1982	12.0	40 32.4 N	67 49.9 W	100

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.4	10.868	32.678	6.38	0.80	24.991	0.000	1490.	0.5
4	3.8	10.867	32.678	6.30	0.78	24.991	0.004	1490.	0.5
6	6.0	10.868	32.678	6.24	0.78	24.992	0.011	1490.	0.5
8	8.2	10.867	32.678	6.31	0.78	24.992	0.017	1490.	0.5
10	9.9	10.865	32.678	6.32	0.78	24.992	0.022	1490.	0.5
12	12.0	10.864	32.678	6.32	0.78	24.992	0.029	1490.	0.5
14	14.1	10.864	32.678	6.31	0.79	24.992	0.035	1490.	0.5
16	16.1	10.864	32.678	6.30	0.80	24.992	0.040	1490.	0.4
18	18.0	10.864	32.678	6.31	0.79	24.992	0.046	1490.	0.4
20	20.0	10.864	32.678	6.36	0.80	24.993	0.052	1490.	0.3
22	21.9	10.864	32.678	6.33	0.80	24.992	0.058	1490.	0.3
24	24.1	10.863	32.678	6.33	0.80	24.992	0.064	1490.	0.4
26	26.1	10.864	32.678	6.43	0.81	24.992	0.070	1491.	1.1
28	27.9	10.863	32.678	6.53	0.81	24.993	0.075	1491.	2.7
30	29.9	10.864	32.678	6.47	0.81	24.992	0.081	1491.	4.8
32	32.0	10.864	32.679	6.41	0.80	24.993	0.088	1491.	6.4
34	34.3	10.839	32.687	6.37	0.81	25.003	0.095	1491.	8.3
35	35.8	10.717	32.727	6.15	0.78	25.056	0.099	1490.	9.7
38	38.0	10.534	32.818	5.96	0.72	25.159	0.105	1490.	10.4
40	40.0	10.421	32.869	5.83	0.68	25.218	0.111	1489.	10.5
42	42.3	10.193	33.023	5.77	0.66	25.376	0.117	1489.	9.9
43	43.7	10.354	33.151	5.63	0.69	25.449	0.120	1490.	8.9
46	45.9	10.424	33.163	5.52	0.68	25.446	0.126	1490.	7.5
48	48.1	10.420	33.161	5.46	0.68	25.445	0.131	1490.	6.4
50	50.1	10.422	33.164	5.39	0.69	25.448	0.137	1490.	5.4
52	51.9	10.462	33.188	5.33	0.69	25.459	0.141	1490.	5.4
54	54.0	10.496	33.217	5.32	0.70	25.476	0.146	1490.	5.7
55	55.9	10.483	33.287	5.27	0.70	25.533	0.151	1490.	5.8
58	58.1	10.459	33.336	5.26	0.70	25.575	0.156	1490.	5.4
59	59.6	10.460	33.337	5.29	0.71	25.576	0.160	1490.	4.8
61	62.0	10.460	33.337	5.27	0.69	25.576	0.166	1490.	3.8
64	64.1	10.459	33.340	5.29	0.68	25.578	0.171	1490.	2.3
66	66.2	10.459	33.342	5.29	0.69	25.580	0.176	1491.	1.0
67	68.0	10.458	33.342	5.32	0.70	25.580	0.180	1491.	0.9
69	70.0	10.458	33.341	5.29	0.70	25.579	0.185	1491.	0.8
71	72.0	10.459	33.341	5.31	0.69	25.579	0.190	1491.	1.8
74	74.1	10.460	33.342	5.29	0.69	25.579	0.195	1491.	4.3
75	75.9	10.460	33.342	5.16	0.70	25.580	0.199	1491.	6.4
77	78.0	10.461	33.344	5.16	0.70	25.581	0.204	1491.	8.0
79	80.1	10.477	33.382	5.16	0.71	25.608	0.210	1491.	9.4
81	81.2	10.571	33.575	5.14	0.74	25.742	0.212	1491.	10.5
81	82.0	10.639	33.719	5.08	0.76	25.842	0.214	1492.	11.2
82	83.0	10.648	33.745	5.06	0.76	25.861	0.216	1492.	11.2
83	84.0	10.663	33.772	5.04	0.75	25.880	0.218	1492.	9.9
84	85.0	10.671	33.787	5.03	0.75	25.889	0.220	1492.	7.6
85	86.0	10.678	33.796	5.03	0.74	25.896	0.222	1492.	6.2
86	87.0	10.687	33.807	5.02	0.74	25.903	0.224	1492.	6.0
87	88.0	10.709	33.830	4.99	0.75	25.917	0.226	1492.	6.0
88	89.0	10.735	33.862	4.92	0.76	25.937	0.229	1493.	6.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	39	14 NOV 1982	12.0	40 32.4 N	67 49.9 W	100

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
89	90.0	10.746	33.875	4.89	0.75	25.945	0.231	1493.	6.4
90	91.0	10.758	33.893	4.89	0.75	25.957	0.233	1493.	6.4
91	92.0	10.775	33.913	4.89	0.74	25.970	0.235	1493.	6.1
92	92.9	10.786	33.929	4.89	0.75	25.980	0.237	1493.	5.8
93	94.1	10.815	33.962	4.87	0.74	26.000	0.239	1493.	5.8
94	95.0	10.823	33.971	4.88	0.74	26.006	0.241	1493.	5.8
95	96.0	10.826	33.974	4.95	0.74	26.008	0.243	1493.	5.8
96	96.6	10.827	33.978	4.97	0.76	26.011	0.244	1493.	5.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	40	14 NOV 1982	12.9	40 28.3 N	67 48.6 W	132

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	1.9	12.778	33.184	6.26	0.69	25.031	0.000	1497.	1.0
4	4.1	12.789	33.187	6.28	0.67	25.031	0.006	1497.	1.0
6	6.0	12.791	33.188	6.30	0.67	25.031	0.012	1497.	1.0
8	8.0	12.821	33.197	6.30	0.66	25.032	0.018	1498.	1.0
10	10.0	12.823	33.196	6.29	0.66	25.031	0.024	1498.	1.0
12	11.9	12.818	33.196	6.30	0.68	25.032	0.029	1498.	1.1
14	13.9	12.858	33.209	6.29	0.67	25.035	0.035	1498.	1.4
16	15.9	12.871	33.216	6.28	0.67	25.037	0.041	1498.	1.5
18	18.2	12.884	33.215	6.27	0.68	25.034	0.047	1498.	1.4
20	19.8	12.882	33.218	6.26	0.69	25.036	0.052	1498.	1.1
22	22.0	12.963	33.247	6.25	0.68	25.043	0.059	1498.	1.2
24	23.9	13.025	33.260	6.23	0.67	25.041	0.064	1499.	1.3
26	26.0	13.032	33.260	6.22	0.67	25.039	0.070	1499.	1.2
28	27.8	13.028	33.253	6.22	0.68	25.035	0.075	1499.	0.3
30	30.0	12.897	33.234	6.24	0.68	25.046	0.082	1498.	0.6
32	32.2	12.972	33.250	6.23	0.69	25.044	0.088	1499.	0.8
34	33.9	12.996	33.253	6.21	0.70	25.041	0.093	1499.	0.9
36	36.1	13.028	33.252	6.19	0.69	25.034	0.100	1499.	1.0
37	37.7	12.918	33.241	6.24	0.70	25.047	0.104	1498.	1.0
40	40.0	13.043	33.266	6.23	0.69	25.042	0.111	1499.	1.6
42	42.2	13.042	33.268	6.24	0.69	25.044	0.117	1499.	2.0
43	43.7	13.052	33.273	6.31	0.70	25.045	0.122	1499.	2.3
46	46.0	13.089	33.289	6.33	0.69	25.050	0.129	1499.	2.8
48	48.1	13.082	33.295	6.35	0.70	25.057	0.135	1499.	4.3
50	50.0	13.062	33.294	6.34	0.70	25.060	0.140	1499.	6.0
51	51.9	12.966	33.277	6.28	0.70	25.065	0.146	1499.	7.2
54	54.1	12.644	33.232	6.24	0.69	25.094	0.152	1498.	8.4
56	56.1	12.264	33.231	6.18	0.68	25.166	0.158	1497.	9.4
57	57.8	12.190	33.343	6.04	0.66	25.267	0.162	1496.	10.3
60	60.0	12.166	33.409	5.87	0.63	25.322	0.168	1496.	10.9
62	62.1	11.651	33.363	5.86	0.63	25.384	0.174	1495.	11.0
63	64.0	11.007	33.337	5.82	0.64	25.480	0.179	1492.	11.1
65	66.0	10.907	33.442	5.72	0.63	25.579	0.183	1492.	11.1
68	68.2	11.090	33.562	5.60	0.63	25.640	0.189	1493.	11.2
69	69.7	11.155	33.621	5.46	0.64	25.674	0.192	1493.	10.9
71	72.0	11.148	33.800	5.35	0.62	25.815	0.197	1494.	10.4
74	74.2	11.004	33.863	5.34	0.63	25.890	0.202	1493.	10.1
75	75.9	10.949	33.921	5.17	0.63	25.945	0.206	1493.	10.1
77	78.0	11.008	33.958	5.15	0.62	25.963	0.210	1493.	9.8
79	80.1	11.047	34.027	5.14	0.60	26.010	0.214	1494.	9.1
81	81.8	11.149	34.161	5.04	0.63	26.096	0.218	1494.	8.8
83	84.0	11.644	34.384	4.83	0.61	26.178	0.222	1496.	8.5
85	86.0	11.893	34.480	4.78	0.61	26.206	0.226	1497.	8.2
87	88.1	11.916	34.515	4.76	0.64	26.229	0.229	1497.	7.5
89	90.0	11.975	34.559	4.64	0.65	26.252	0.233	1498.	6.6
91	92.0	12.056	34.622	4.61	0.65	26.285	0.236	1498.	6.0
93	94.1	11.964	34.631	4.60	0.65	26.310	0.240	1498.	5.6
95	95.9	11.928	34.646	4.60	0.67	26.329	0.243	1498.	5.1
97	98.0	11.928	34.658	4.58	0.67	26.338	0.246	1498.	4.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	40	14 NOV 1982	12.9	40 28.3 N	67 48.6 W	132

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	100.1	11.916	34.675	4.57	0.67	26.353	0.250	1498.	4.1
101	102.0	11.919	34.679	4.57	0.68	26.356	0.253	1498.	3.6
103	103.9	11.921	34.684	4.53	0.68	26.359	0.257	1498.	3.3
105	106.1	11.942	34.705	4.52	0.68	26.372	0.260	1498.	3.2
107	108.0	11.945	34.710	4.50	0.69	26.375	0.263	1498.	3.7
109	109.6	11.951	34.713	4.44	0.70	26.376	0.266	1498.	4.7
110	111.2	11.945	34.719	4.42	0.69	26.382	0.269	1498.	5.7
111	112.0	11.945	34.734	4.42	0.68	26.393	0.270	1498.	6.6
112	113.0	12.048	34.804	4.40	0.70	26.429	0.272	1499.	7.3
113	114.1	12.370	34.936	4.35	0.71	26.468	0.273	1500.	7.7
114	115.1	12.484	34.988	4.31	0.73	26.486	0.275	1500.	7.5
115	116.0	12.504	35.001	4.29	0.74	26.493	0.276	1500.	7.1
116	117.0	12.529	35.017	4.26	0.74	26.500	0.278	1501.	6.3
117	118.0	12.585	35.047	4.24	0.74	26.513	0.280	1501.	5.6
118	119.0	12.604	35.062	4.22	0.75	26.520	0.281	1501.	5.3
119	120.0	12.645	35.093	4.17	0.77	26.536	0.282	1501.	5.2
120	121.0	12.689	35.112	4.15	0.77	26.543	0.284	1501.	4.9
121	122.0	12.706	35.127	4.14	0.76	26.551	0.286	1501.	4.4
122	123.0	12.715	35.132	4.16	0.75	26.552	0.287	1501.	4.0
123	123.9	12.730	35.141	4.16	0.78	26.557	0.288	1501.	3.4
124	125.0	12.740	35.149	4.15	0.80	26.561	0.290	1502.	3.4
125	126.0	12.751	35.155	4.16	0.80	26.564	0.292	1502.	3.4
126	127.1	12.755	35.159	4.13	0.79	26.566	0.293	1502.	3.4
127	128.0	12.757	35.160	4.15	0.79	26.566	0.295	1502.	3.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	41	14 NOV 1982	13.7	40 24.9 N	67 47.4 W	148

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	1.9	14.651	33.871	6.09	0.69	25.178	0.000	1504.	1.5
4	4.0	14.655	33.871	6.10	0.70	25.177	0.006	1504.	1.5
6	6.0	14.718	33.895	6.11	0.69	25.182	0.011	1505.	1.5
8	8.0	14.733	33.900	6.13	0.69	25.182	0.017	1505.	1.5
10	10.0	14.731	33.899	6.14	0.68	25.182	0.022	1505.	1.5
12	12.0	14.771	33.911	6.14	0.68	25.183	0.028	1505.	1.6
14	13.9	14.796	33.923	6.13	0.68	25.186	0.033	1505.	1.7
16	16.0	14.836	33.936	6.13	0.68	25.188	0.039	1505.	2.2
18	18.1	14.839	33.938	6.13	0.68	25.189	0.045	1505.	2.5
20	19.9	14.897	33.957	6.11	0.68	25.191	0.050	1505.	2.8
22	22.2	14.956	33.983	6.12	0.68	25.198	0.056	1506.	3.3
24	24.0	15.149	34.053	6.08	0.68	25.210	0.061	1506.	3.6
26	26.2	15.204	34.077	6.08	0.68	25.216	0.067	1507.	3.8
28	27.8	15.321	34.119	6.03	0.67	25.223	0.072	1507.	3.8
30	30.2	15.602	34.228	5.99	0.65	25.244	0.078	1508.	3.6
32	32.0	15.668	34.254	5.94	0.69	25.250	0.083	1508.	3.2
34	34.3	15.729	34.279	5.92	0.69	25.255	0.089	1509.	2.9
36	35.8	15.763	34.290	5.92	0.69	25.256	0.093	1509.	2.4
38	38.1	15.829	34.313	5.92	0.69	25.259	0.100	1509.	1.7
40	39.9	15.843	34.316	5.90	0.69	25.258	0.105	1509.	1.4
42	42.2	15.903	34.338	5.89	0.69	25.261	0.111	1509.	1.3
43	43.8	15.909	34.339	5.86	0.70	25.261	0.115	1509.	1.3
46	46.0	15.973	34.357	5.85	0.69	25.260	0.121	1510.	1.5
48	48.1	15.969	34.359	5.85	0.68	25.262	0.127	1510.	2.0
50	49.9	15.999	34.370	5.83	0.70	25.264	0.132	1510.	3.0
52	52.0	16.122	34.410	5.79	0.69	25.267	0.137	1510.	3.7
54	54.1	16.158	34.427	5.79	0.68	25.272	0.143	1510.	4.1
56	56.3	16.221	34.463	5.76	0.69	25.285	0.149	1511.	4.5
57	57.8	16.422	34.570	5.64	0.69	25.320	0.153	1512.	4.7
60	60.0	16.531	34.617	5.61	0.68	25.331	0.159	1512.	4.9
62	62.0	16.584	34.643	5.58	0.67	25.339	0.164	1512.	5.0
64	64.0	16.626	34.677	5.51	0.67	25.356	0.170	1512.	5.3
65	65.9	16.668	34.703	5.34	0.68	25.365	0.175	1513.	6.0
67	68.0	16.725	34.747	5.28	0.68	25.386	0.180	1513.	7.3
70	70.1	16.777	34.792	5.21	0.68	25.408	0.185	1513.	8.9
71	71.9	16.827	34.858	5.01	0.68	25.447	0.190	1513.	10.2
73	73.9	16.950	35.006	4.85	0.67	25.532	0.195	1514.	11.3
75	76.1	16.875	35.115	4.73	0.66	25.633	0.200	1514.	11.7
77	78.1	16.754	35.277	4.60	0.65	25.786	0.205	1514.	12.0
79	79.9	16.589	35.351	4.37	0.65	25.882	0.209	1513.	11.9
81	82.0	16.280	35.364	4.24	0.64	25.964	0.213	1512.	11.2
83	84.1	15.994	35.313	4.16	0.64	25.991	0.217	1512.	10.2
85	85.9	15.472	35.262	4.11	0.65	26.070	0.221	1510.	9.1
87	88.0	15.280	35.321	4.06	0.64	26.158	0.225	1509.	8.4
89	90.0	15.314	35.340	4.05	0.65	26.165	0.229	1510.	8.2
91	92.0	15.337	35.358	4.07	0.65	26.174	0.233	1510.	8.4
93	93.9	15.231	35.370	4.09	0.65	26.207	0.236	1509.	8.4
95	96.1	14.971	35.362	4.13	0.65	26.258	0.240	1509.	8.9
97	98.0	14.636	35.365	4.16	0.65	26.334	0.243	1508.	9.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	41	14 NOV 1982	13.7	40 24.9 N	67 47.4 W	148

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	99.8	14.481	35.394	4.12	0.66	26.390	0.246	1507.	9.4
101	101.9	14.224	35.418	4.07	0.66	26.463	0.250	1506.	9.2
103	104.0	13.964	35.441	4.08	0.65	26.537	0.253	1506.	8.6
105	106.2	13.885	35.442	4.07	0.66	26.553	0.256	1505.	7.8
107	108.0	13.736	35.438	4.05	0.67	26.582	0.259	1505.	7.0
109	110.0	13.554	35.434	4.05	0.67	26.616	0.262	1504.	6.2
111	112.0	13.486	35.434	4.05	0.68	26.630	0.265	1504.	5.5
113	114.1	13.426	35.430	4.03	0.68	26.640	0.268	1504.	5.2
115	116.0	13.337	35.435	4.01	0.69	26.662	0.270	1504.	4.9
117	118.1	13.270	35.435	4.00	0.69	26.676	0.273	1504.	5.1
119	119.9	13.219	35.432	4.00	0.69	26.684	0.276	1503.	5.4
121	122.1	13.162	35.431	3.99	0.69	26.695	0.279	1503.	5.5
123	123.8	13.053	35.428	3.97	0.70	26.715	0.281	1503.	5.4
125	126.0	12.832	35.431	3.97	0.70	26.761	0.284	1502.	5.4
127	128.0	12.734	35.427	3.97	0.69	26.778	0.287	1502.	5.3
129	130.1	12.700	35.425	3.95	0.69	26.783	0.290	1502.	5.2
130	131.3	12.685	35.425	3.94	0.70	26.786	0.291	1502.	4.8
131	131.8	12.685	35.424	3.91	0.70	26.785	0.292	1502.	4.2
132	133.0	12.665	35.425	3.88	0.71	26.790	0.293	1502.	4.4
133	134.0	12.601	35.426	3.88	0.70	26.803	0.294	1502.	4.8
134	134.9	12.515	35.422	3.89	0.69	26.818	0.296	1501.	4.9
135	136.0	12.474	35.416	3.88	0.68	26.820	0.297	1501.	5.8
136	137.0	12.430	35.412	3.88	0.70	26.826	0.298	1501.	7.0
137	138.0	12.372	35.405	3.86	0.71	26.832	0.300	1501.	7.6
138	139.0	12.298	35.397	3.87	0.71	26.841	0.301	1501.	8.1
139	140.0	11.985	35.384	3.86	0.72	26.891	0.302	1500.	8.5
140	141.0	11.618	35.355	3.88	0.72	26.938	0.303	1498.	8.4
141	142.1	11.410	35.311	3.87	0.73	26.943	0.304	1498.	7.9
142	142.9	11.344	35.325	3.86	0.74	26.966	0.305	1497.	7.1
143	144.0	11.296	35.322	3.85	0.74	26.973	0.307	1497.	5.8
144	145.1	11.263	35.317	3.85	0.74	26.975	0.308	1497.	0.0
145	146.0	11.255	35.318	3.87	0.75	26.977	0.309	1497.	0.0
146	147.0	11.186	35.313	3.96	0.75	26.986	0.310	1497.	0.0
146	147.6	11.171	35.313	3.98	0.75	26.989	0.310	1497.	0.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	42	14 NOV 1982	14.7	40 22.0 N	67 46.5 W	170

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.3	15.315	34.132	5.96	0.73	25.234	0.000	1507.	3.0
4	3.8	15.328	34.115	5.89	0.73	25.218	0.004	1507.	3.0
6	6.0	15.344	34.165	5.97	0.73	25.253	0.010	1507.	3.0
8	8.2	15.328	34.158	6.03	0.73	25.251	0.016	1507.	3.0
10	10.0	15.345	34.168	5.95	0.75	25.256	0.021	1507.	3.0
12	11.8	15.374	34.186	5.95	0.75	25.263	0.026	1507.	3.1
14	14.0	15.379	34.182	6.05	0.70	25.258	0.032	1507.	3.1
16	16.3	15.610	34.269	6.08	0.70	25.274	0.038	1508.	3.7
18	17.8	15.701	34.293	6.01	0.71	25.272	0.042	1508.	3.9
20	20.2	15.784	34.333	5.99	0.70	25.284	0.049	1509.	4.1
22	21.9	16.093	34.455	5.90	0.72	25.308	0.053	1510.	4.3
24	23.9	16.450	34.586	5.90	0.70	25.326	0.058	1511.	4.4
26	26.0	16.544	34.616	5.94	0.69	25.327	0.064	1511.	4.7
28	28.0	16.677	34.663	5.95	0.68	25.333	0.069	1512.	4.4
30	29.9	16.800	34.725	5.95	0.69	25.351	0.074	1512.	4.2
32	32.0	16.959	34.791	5.93	0.69	25.365	0.080	1513.	4.0
34	34.0	17.027	34.858	5.92	0.66	25.400	0.085	1513.	3.9
36	36.0	17.144	34.865	5.92	0.65	25.377	0.090	1514.	3.6
38	38.0	17.245	34.918	5.87	0.71	25.394	0.095	1514.	3.1
40	40.0	17.306	34.939	5.76	0.69	25.395	0.101	1514.	2.6
42	42.0	17.336	34.955	5.76	0.66	25.401	0.106	1514.	2.2
44	44.0	17.331	34.958	5.79	0.65	25.404	0.111	1514.	2.7
46	46.1	17.328	34.963	5.65	0.72	25.408	0.116	1515.	3.1
47	47.8	17.350	34.966	5.56	0.73	25.406	0.121	1515.	4.7
50	50.0	17.468	35.015	5.53	0.72	25.414	0.126	1515.	5.9
52	52.1	17.598	35.068	5.52	0.73	25.424	0.132	1516.	6.6
54	54.2	17.573	35.104	5.44	0.72	25.457	0.137	1516.	6.9
56	56.0	17.276	35.133	5.31	0.70	25.552	0.142	1515.	6.9
57	57.9	17.177	35.156	5.21	0.69	25.593	0.146	1514.	7.0
60	60.0	17.197	35.161	5.10	0.68	25.592	0.151	1515.	7.0
62	62.2	17.211	35.173	4.96	0.69	25.598	0.156	1515.	6.8
63	64.0	17.192	35.184	4.82	0.69	25.611	0.161	1515.	6.8
65	65.9	17.118	35.218	4.70	0.69	25.655	0.165	1515.	8.0
67	67.9	17.030	35.251	4.63	0.68	25.701	0.170	1514.	9.4
70	70.1	16.952	35.283	4.59	0.67	25.744	0.175	1514.	10.5
71	71.8	16.767	35.306	4.48	0.67	25.806	0.179	1514.	11.0
73	74.0	16.339	35.360	4.36	0.66	25.947	0.183	1512.	11.1
75	76.0	15.826	35.336	4.29	0.65	26.047	0.187	1511.	10.9
77	78.1	15.405	35.325	4.16	0.65	26.134	0.191	1510.	10.8
79	79.8	15.107	35.293	4.10	0.65	26.175	0.195	1509.	10.4
81	81.9	14.964	35.289	4.09	0.66	26.204	0.199	1508.	9.9
83	84.0	14.733	35.290	4.12	0.65	26.255	0.202	1508.	9.3
85	86.0	14.489	35.327	4.09	0.66	26.337	0.206	1507.	8.8
87	87.9	14.128	35.332	4.04	0.67	26.418	0.209	1506.	8.2
89	89.9	13.933	35.344	4.16	0.67	26.468	0.212	1505.	7.4
91	92.0	13.929	35.342	4.15	0.66	26.467	0.216	1505.	6.1
93	93.9	13.913	35.346	4.15	0.67	26.473	0.218	1505.	4.5
95	96.0	13.916	35.348	4.15	0.67	26.475	0.222	1505.	2.9
97	98.0	13.921	35.350	4.17	0.64	26.475	0.225	1505.	1.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	42	14 NOV 1982	14.7	40 22.0 N	67 46.5 W	170

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
100	100.4	13.927	35.357	4.18	0.67	26.479	0.229	1505.	1.8
101	101.8	13.929	35.358	4.12	0.69	26.480	0.231	1505.	1.7
103	103.9	13.935	35.361	4.13	0.68	26.480	0.234	1505.	1.9
105	106.1	13.934	35.365	4.15	0.67	26.484	0.238	1505.	2.3
107	108.0	13.931	35.367	4.16	0.68	26.486	0.241	1505.	2.2
109	110.0	13.923	35.368	4.14	0.70	26.489	0.244	1505.	2.1
111	112.0	13.910	35.372	4.15	0.67	26.494	0.247	1505.	2.1
113	114.3	13.894	35.387	4.16	0.69	26.509	0.250	1505.	2.4
115	115.8	13.909	35.372	4.12	0.70	26.494	0.253	1506.	2.7
117	118.0	13.901	35.373	4.09	0.70	26.497	0.256	1506.	3.4
119	120.0	13.893	35.374	4.08	0.67	26.500	0.259	1506.	4.3
121	122.2	13.827	35.383	4.09	0.68	26.520	0.263	1505.	5.1
123	123.7	13.786	35.385	4.04	0.69	26.530	0.265	1505.	6.0
125	126.0	13.697	35.399	4.02	0.67	26.560	0.268	1505.	6.5
127	128.2	13.531	35.415	4.01	0.67	26.606	0.272	1505.	6.8
129	130.1	13.397	35.411	3.95	0.70	26.632	0.274	1504.	7.1
131	131.8	13.211	35.415	3.83	0.71	26.672	0.277	1504.	7.4
133	134.0	13.138	35.420	3.79	0.71	26.691	0.280	1503.	7.6
135	136.0	13.027	35.425	3.80	0.71	26.718	0.283	1503.	7.6
137	138.2	12.750	35.425	3.81	0.71	26.773	0.286	1502.	7.6
139	139.9	12.520	35.426	3.83	0.73	26.819	0.288	1501.	7.4
140	141.2	12.389	35.422	3.82	0.73	26.842	0.289	1501.	7.3
141	142.0	12.357	35.419	3.83	0.73	26.846	0.290	1501.	6.8
142	143.0	12.347	35.418	3.82	0.73	26.847	0.292	1501.	5.7
143	144.0	12.290	35.418	3.81	0.73	26.858	0.293	1501.	4.7
144	145.0	12.250	35.414	3.81	0.73	26.863	0.294	1501.	4.5
145	146.1	12.192	35.409	3.81	0.73	26.871	0.295	1500.	4.6
146	146.8	12.196	35.410	3.77	0.74	26.870	0.296	1500.	4.5
147	148.0	12.118	35.407	3.75	0.73	26.883	0.298	1500.	4.3
148	149.0	12.073	35.408	3.75	0.73	26.893	0.299	1500.	4.2
149	150.0	12.057	35.406	3.75	0.73	26.894	0.300	1500.	4.3
150	151.0	12.031	35.405	3.75	0.73	26.898	0.301	1500.	4.2
151	152.0	12.002	35.401	3.75	0.73	26.901	0.302	1500.	3.8
152	152.9	11.970	35.401	3.77	0.74	26.907	0.303	1500.	3.6
153	154.0	11.936	35.411	3.75	0.74	26.921	0.305	1500.	3.8
154	155.0	11.925	35.400	3.73	0.73	26.915	0.306	1500.	3.7
155	156.0	11.905	35.398	3.74	0.73	26.917	0.307	1500.	3.5
156	157.0	11.882	35.397	3.75	0.74	26.921	0.308	1499.	3.5
157	157.9	11.845	35.405	3.76	0.74	26.934	0.309	1499.	3.5
158	159.0	11.814	35.395	3.73	0.74	26.932	0.310	1499.	3.5
159	160.0	11.810	35.395	3.73	0.74	26.933	0.312	1499.	3.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	43	14 NOV 1982	15.5	40 19.4 N	67 45.7 W	395

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
1	0.6	16.068	34.490	5.85	0.65	25.341	0.000	1509.	4.4
2	2.1	16.063	34.482	5.82	0.74	25.336	0.004	1509.	4.4
4	3.8	16.059	34.481	5.89	0.74	25.336	0.008	1509.	4.4
6	5.8	16.104	34.513	5.85	0.67	25.350	0.013	1510.	4.4
8	7.9	16.478	34.645	5.75	0.66	25.366	0.019	1511.	4.4
10	10.0	16.914	34.800	5.65	0.65	25.382	0.024	1512.	4.5
12	12.1	17.261	34.933	5.68	0.65	25.402	0.030	1514.	4.2
14	14.0	17.425	35.003	5.73	0.64	25.415	0.035	1514.	3.7
16	16.1	17.618	35.073	5.74	0.64	25.423	0.040	1515.	3.1
18	18.1	17.630	35.075	5.75	0.64	25.421	0.045	1515.	2.6
20	20.0	17.625	35.068	5.68	0.64	25.417	0.050	1515.	2.1
22	22.0	17.615	35.065	5.71	0.64	25.417	0.055	1515.	2.2
24	24.0	17.665	35.087	5.65	0.65	25.422	0.060	1515.	2.3
26	25.9	17.730	35.118	5.65	0.64	25.430	0.065	1516.	2.5
28	28.0	17.735	35.122	5.69	0.64	25.432	0.071	1516.	2.5
30	30.0	17.721	35.140	5.63	0.66	25.448	0.076	1516.	2.4
32	32.1	17.727	35.130	5.57	0.65	25.440	0.081	1516.	2.1
34	34.1	17.721	35.131	5.60	0.65	25.442	0.086	1516.	1.7
36	36.0	17.718	35.133	5.54	0.66	25.444	0.091	1516.	1.6
38	37.9	17.721	35.135	5.52	0.69	25.445	0.096	1516.	2.0
40	40.0	17.721	35.136	5.55	0.67	25.446	0.101	1516.	2.6
42	42.2	17.720	35.137	5.57	0.66	25.447	0.107	1516.	2.7
44	44.0	17.693	35.136	5.50	0.67	25.452	0.111	1516.	3.0
46	46.0	17.605	35.133	5.51	0.66	25.471	0.116	1516.	3.5
48	48.0	17.597	35.133	5.49	0.66	25.474	0.121	1516.	3.7
50	50.1	17.587	35.132	5.41	0.66	25.475	0.126	1516.	3.9
51	51.9	17.532	35.128	5.29	0.67	25.486	0.131	1515.	4.2
54	53.9	17.417	35.120	5.31	0.66	25.507	0.136	1515.	4.9
56	56.0	17.393	35.119	5.33	0.65	25.512	0.141	1515.	5.6
57	57.9	17.358	35.117	5.28	0.65	25.519	0.146	1515.	6.1
60	60.0	17.207	35.118	5.19	0.64	25.557	0.151	1515.	6.4
62	62.0	16.996	35.112	5.21	0.62	25.603	0.156	1514.	6.9
63	64.0	16.894	35.124	5.07	0.63	25.636	0.160	1514.	7.8
66	66.1	16.845	35.131	4.90	0.63	25.653	0.166	1514.	8.9
68	68.2	16.842	35.178	4.90	0.62	25.690	0.171	1514.	9.7
69	69.7	16.824	35.236	4.74	0.62	25.738	0.174	1514.	10.0
71	72.0	16.711	35.337	4.65	0.62	25.843	0.179	1514.	10.4
73	74.0	16.273	35.387	4.60	0.60	25.983	0.183	1512.	10.6
75	75.9	16.073	35.385	4.34	0.60	26.028	0.187	1512.	10.6
77	77.9	15.995	35.389	4.21	0.59	26.049	0.191	1512.	10.3
79	80.1	15.682	35.393	4.23	0.59	26.124	0.195	1511.	9.9
82	82.2	15.233	35.342	4.22	0.59	26.185	0.199	1509.	9.5
83	83.9	14.999	35.371	4.08	0.60	26.259	0.202	1508.	9.7
85	86.1	14.660	35.340	4.12	0.60	26.309	0.206	1507.	10.1
87	88.1	14.306	35.328	4.13	0.60	26.376	0.209	1506.	10.1
89	89.7	14.132	35.329	4.07	0.61	26.414	0.212	1506.	9.9
91	92.1	13.923	35.370	4.03	0.61	26.490	0.216	1505.	9.6
93	94.1	13.552	35.408	4.08	0.61	26.597	0.219	1504.	9.1
95	95.9	13.841	35.535	3.99	0.62	26.635	0.222	1505.	8.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	43	14 NOV 1982	15.5	40 19.4 N	67 45.7 W	395

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
97	98.0	13.846	35.560	3.94	0.62	26.653	0.225	1505.	7.6
99	100.0	13.767	35.588	3.94	0.62	26.692	0.227	1505.	6.4
101	102.0	13.658	35.575	3.94	0.62	26.704	0.230	1505.	5.1
103	103.8	13.558	35.558	3.92	0.62	26.712	0.232	1504.	4.4
105	106.1	13.458	35.545	3.89	0.62	26.723	0.236	1504.	3.8
107	108.1	13.418	35.542	3.91	0.63	26.729	0.238	1504.	3.0
109	109.9	13.399	35.542	3.90	0.63	26.732	0.241	1504.	2.7
111	112.0	13.383	35.542	3.87	0.63	26.736	0.243	1504.	2.7
113	114.0	13.370	35.541	3.87	0.63	26.737	0.246	1504.	2.7
115	116.2	13.304	35.524	3.88	0.63	26.738	0.249	1504.	2.8
117	117.8	13.108	35.479	3.89	0.64	26.743	0.251	1503.	2.9
119	120.0	12.747	35.405	3.91	0.64	26.758	0.254	1502.	2.9
121	121.9	12.619	35.373	3.90	0.65	26.759	0.257	1501.	3.0
123	124.0	12.623	35.383	3.85	0.65	26.766	0.259	1501.	3.0
125	126.1	12.623	35.384	3.87	0.65	26.767	0.262	1501.	2.8
127	128.0	12.583	35.378	3.88	0.66	26.770	0.264	1501.	2.6
129	130.0	12.433	35.355	3.89	0.66	26.781	0.267	1501.	2.5
131	132.0	12.373	35.341	3.89	0.66	26.783	0.270	1501.	2.4
133	134.2	12.350	35.338	3.90	0.67	26.784	0.272	1501.	2.3
134	135.6	12.335	35.336	3.86	0.67	26.786	0.274	1501.	2.1
137	138.0	12.303	35.330	3.84	0.67	26.788	0.277	1501.	1.8
139	140.2	12.263	35.325	3.83	0.65	26.792	0.280	1500.	1.7
141	141.9	12.242	35.322	3.86	0.67	26.793	0.282	1500.	1.9
143	144.0	12.231	35.321	3.87	0.68	26.795	0.285	1500.	2.1
145	146.0	12.243	35.326	3.87	0.68	26.796	0.288	1500.	2.5
147	148.1	12.283	35.334	3.85	0.68	26.794	0.290	1501.	2.6
149	150.0	12.356	35.369	3.84	0.68	26.807	0.293	1501.	2.7
151	152.0	12.264	35.353	3.84	0.68	26.813	0.295	1501.	2.7
153	154.0	12.186	35.344	3.85	0.67	26.821	0.298	1500.	2.6
155	156.0	12.143	35.334	3.85	0.67	26.822	0.300	1500.	2.6
157	157.9	12.119	35.329	3.85	0.68	26.822	0.303	1500.	2.4
159	160.0	12.107	35.329	3.84	0.68	26.825	0.305	1500.	2.7
161	162.1	12.108	35.332	3.84	0.68	26.827	0.308	1500.	3.0
163	164.0	12.140	35.350	3.84	0.68	26.834	0.310	1500.	3.3
165	166.1	12.199	35.375	3.80	0.69	26.843	0.313	1501.	3.6
167	168.0	12.268	35.415	3.77	0.68	26.860	0.315	1501.	3.9
169	170.1	12.282	35.425	3.77	0.68	26.865	0.318	1501.	4.0
171	172.1	12.243	35.428	3.77	0.67	26.875	0.320	1501.	4.0
172	173.8	12.190	35.426	3.77	0.68	26.884	0.322	1501.	3.8
175	176.0	12.090	35.420	3.76	0.68	26.899	0.325	1501.	3.5
177	178.0	12.038	35.418	3.76	0.68	26.907	0.327	1500.	3.2
178	179.9	12.020	35.417	3.77	0.68	26.910	0.330	1500.	3.0
181	182.1	12.009	35.417	3.72	0.68	26.912	0.332	1500.	3.0
182	183.9	12.002	35.416	3.70	0.68	26.913	0.334	1500.	3.0
184	186.0	11.976	35.414	3.70	0.68	26.916	0.337	1500.	3.1
187	188.0	11.847	35.397	3.71	0.68	26.928	0.339	1500.	3.2
189	190.2	11.690	35.376	3.72	0.68	26.941	0.342	1499.	3.5
190	192.0	11.658	35.375	3.69	0.69	26.946	0.344	1499.	3.7
192	194.0	11.630	35.374	3.68	0.66	26.951	0.346	1499.	3.9
194	196.0	11.615	35.373	3.68	0.62	26.953	0.348	1499.	4.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	43	14 NOV 1982	15.5	40 19.4 N	67 45.7 W	395

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
197	198.1	11.533	35.377	3.68	0.59	26.971	0.351	1499.	4.3
198	199.9	11.461	35.370	3.66	0.61	26.979	0.353	1499.	4.8
200	202.0	11.306	35.358	3.66	0.62	26.999	0.355	1498.	5.1
202	204.1	11.161	35.353	3.67	0.66	27.022	0.357	1498.	5.4
204	205.8	11.130	35.345	3.65	0.68	27.021	0.359	1498.	5.4
206	208.0	10.910	35.345	3.63	0.65	27.061	0.361	1497.	5.4
208	210.0	10.770	35.333	3.63	0.62	27.077	0.363	1496.	5.3
210	212.1	10.689	35.332	3.61	0.65	27.091	0.366	1496.	5.1
212	214.0	10.568	35.332	3.60	0.68	27.112	0.368	1496.	4.8
214	216.2	10.486	35.327	3.58	0.68	27.123	0.370	1496.	4.3
216	217.9	10.405	35.318	3.55	0.68	27.130	0.371	1495.	4.1
218	220.0	10.345	35.313	3.54	0.69	27.137	0.373	1495.	4.0
220	222.0	10.288	35.313	3.54	0.69	27.147	0.375	1495.	3.7
222	224.2	10.206	35.306	3.56	0.69	27.156	0.377	1495.	3.6
224	225.8	10.137	35.301	3.58	0.69	27.164	0.379	1494.	3.5
226	227.9	10.051	35.294	3.56	0.69	27.173	0.381	1494.	3.3
228	230.3	9.998	35.291	3.58	0.69	27.180	0.383	1494.	3.1
230	231.9	9.980	35.291	3.58	0.69	27.183	0.385	1494.	2.8
232	234.0	9.938	35.287	3.57	0.69	27.187	0.386	1494.	2.6
234	236.2	9.918	35.286	3.56	0.68	27.190	0.389	1494.	2.6
236	237.8	9.895	35.284	3.58	0.69	27.192	0.390	1494.	2.8
238	240.0	9.874	35.282	3.59	0.69	27.195	0.392	1494.	3.0
240	242.1	9.799	35.274	3.57	0.69	27.201	0.394	1493.	3.2
242	243.7	9.713	35.266	3.59	0.69	27.209	0.395	1493.	3.3
244	246.1	9.609	35.259	3.59	0.69	27.221	0.398	1493.	3.6
246	247.8	9.577	35.256	3.61	0.69	27.224	0.399	1493.	3.7
248	250.2	9.484	35.247	3.60	0.69	27.232	0.401	1492.	4.0
250	252.0	9.413	35.242	3.59	0.69	27.241	0.403	1492.	4.3
252	254.1	9.277	35.231	3.58	0.68	27.254	0.405	1492.	4.5
254	256.0	9.171	35.220	3.59	0.68	27.263	0.406	1491.	4.6
256	258.2	8.836	35.177	3.62	0.68	27.284	0.408	1490.	4.6
258	259.9	8.668	35.170	3.61	0.68	27.305	0.409	1489.	4.3
260	262.0	8.612	35.168	3.63	0.68	27.312	0.411	1489.	3.9
262	264.1	8.578	35.166	3.63	0.68	27.316	0.413	1489.	3.4
263	265.6	8.556	35.165	3.64	0.68	27.318	0.414	1489.	3.0
266	268.1	8.525	35.161	3.63	0.68	27.320	0.416	1489.	2.8
268	269.9	8.470	35.156	3.66	0.68	27.325	0.417	1489.	3.0
270	271.9	8.442	35.153	3.64	0.68	27.327	0.419	1489.	3.3
272	274.1	8.308	35.143	3.68	0.67	27.340	0.421	1488.	3.4
274	276.2	8.179	35.128	3.70	0.68	27.348	0.422	1488.	3.4
276	277.9	8.089	35.124	3.73	0.68	27.358	0.424	1488.	3.3
278	280.1	8.036	35.121	3.74	0.68	27.363	0.425	1487.	3.4
280	281.9	8.012	35.119	3.77	0.68	27.366	0.427	1487.	3.3
282	284.2	7.982	35.117	3.77	0.68	27.369	0.428	1487.	3.3
283	285.9	7.916	35.110	3.81	0.69	27.373	0.430	1487.	3.2
286	288.3	7.688	35.093	3.81	0.68	27.394	0.431	1486.	3.1
287	289.8	7.674	35.092	3.84	0.69	27.395	0.432	1486.	3.1
290	292.0	7.638	35.089	3.83	0.69	27.398	0.434	1486.	2.9
292	294.0	7.612	35.088	3.87	0.69	27.401	0.436	1486.	2.6
293	296.0	7.572	35.083	3.89	0.69	27.403	0.437	1486.	2.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	43	14 NOV 1982	15.5	40 19.4 N	67 45.7 W	395

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
295	297.9	7.524	35.081	3.92	0.69	27.408	0.438	1486.	2.1
298	300.1	7.511	35.082	3.90	0.69	27.411	0.440	1486.	2.0
300	302.1	7.485	35.079	3.90	0.69	27.413	0.441	1486.	1.9
302	304.1	7.475	35.079	3.95	0.69	27.414	0.443	1486.	1.7
303	305.8	7.459	35.078	3.93	0.69	27.415	0.444	1486.	1.5
305	308.0	7.444	35.078	3.91	0.69	27.417	0.445	1486.	1.4
307	309.8	7.434	35.076	3.94	0.69	27.417	0.447	1486.	1.3
309	312.0	7.427	35.076	3.94	0.69	27.418	0.448	1486.	1.3
311	314.2	7.423	35.076	3.92	0.69	27.419	0.450	1486.	1.3
313	315.9	7.415	35.075	3.96	0.69	27.419	0.451	1486.	1.3
315	318.0	7.400	35.075	3.96	0.69	27.421	0.453	1486.	1.4
317	319.9	7.391	35.074	3.97	0.69	27.422	0.454	1486.	1.5
320	322.3	7.370	35.072	3.96	0.69	27.423	0.456	1485.	1.5
321	323.9	7.353	35.072	3.98	0.70	27.425	0.457	1485.	1.4
323	326.1	7.338	35.071	3.94	0.69	27.427	0.458	1485.	1.3
325	328.1	7.334	35.071	3.97	0.69	27.428	0.460	1485.	1.2
327	330.0	7.334	35.071	3.99	0.69	27.428	0.461	1485.	1.0
329	332.1	7.328	35.070	3.97	0.70	27.428	0.462	1485.	0.8
331	334.1	7.327	35.069	3.95	0.68	27.427	0.464	1485.	0.7
333	336.3	7.321	35.070	3.95	0.68	27.429	0.465	1486.	0.8
335	337.9	7.319	35.069	3.99	0.70	27.429	0.466	1486.	0.9
337	340.1	7.317	35.069	3.99	0.69	27.429	0.468	1486.	0.9
339	342.1	7.308	35.069	4.01	0.69	27.430	0.469	1486.	0.9
341	344.1	7.299	35.068	4.01	0.69	27.431	0.471	1486.	0.9
343	345.9	7.298	35.068	4.02	0.70	27.431	0.472	1486.	0.9
345	348.0	7.296	35.068	3.99	0.69	27.431	0.474	1486.	0.8
347	350.3	7.295	35.068	3.99	0.69	27.431	0.475	1486.	0.8
349	351.9	7.295	35.068	4.01	0.70	27.431	0.476	1486.	0.7
351	354.0	7.290	35.068	3.98	0.69	27.432	0.478	1486.	0.7
353	356.3	7.282	35.067	4.01	0.69	27.432	0.479	1486.	0.7
355	357.7	7.278	35.067	4.03	0.70	27.433	0.480	1486.	0.8
357	360.0	7.280	35.067	3.99	0.70	27.432	0.482	1486.	1.1
359	362.2	7.279	35.067	3.98	0.69	27.433	0.483	1486.	1.4
361	363.9	7.269	35.066	4.02	0.70	27.433	0.485	1486.	1.6
363	365.9	7.227	35.060	3.99	0.70	27.434	0.486	1486.	1.7
365	368.4	7.187	35.060	4.00	0.69	27.440	0.488	1486.	1.9
366	369.7	7.173	35.059	4.05	0.70	27.441	0.489	1485.	1.9
369	372.1	7.144	35.055	4.03	0.70	27.442	0.490	1485.	1.8
371	373.8	7.136	35.057	4.05	0.70	27.445	0.491	1485.	1.7
373	375.9	7.109	35.055	4.05	0.69	27.447	0.493	1485.	1.5
375	378.1	7.111	35.055	4.05	0.68	27.447	0.494	1485.	1.4
377	379.8	7.107	35.055	4.08	0.69	27.447	0.496	1485.	1.2
378	381.3	7.100	35.055	4.10	0.69	27.448	0.497	1485.	0.9
379	382.0	7.099	35.055	4.11	0.69	27.449	0.497	1485.	0.6
380	382.9	7.102	35.055	4.11	0.69	27.448	0.498	1485.	0.6
381	383.9	7.100	35.055	4.12	0.70	27.448	0.498	1485.	0.3
382	385.0	7.102	35.054	4.11	0.69	27.448	0.499	1485.	-0.4
383	386.1	7.100	35.055	4.09	0.69	27.448	0.500	1485.	-0.4
384	387.2	7.100	35.055	4.11	0.69	27.448	0.501	1485.	0.3
385	388.0	7.100	35.054	4.07	0.70	27.448	0.501	1485.	0.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	43	14 NOV 1982	15.5	40 19.4 N	67 45.7 W	395

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
386	389.1	7.101	35.054	4.07	0.69	27.448	0.502	1486.	0.5
387	389.9	7.101	35.055	4.07	0.67	27.448	0.502	1486.	0.4
388	390.9	7.100	35.055	4.07	0.66	27.448	0.503	1486.	0.5
389	392.1	7.102	35.056	4.08	0.68	27.449	0.504	1486.	0.7
390	393.0	7.103	35.055	4.10	0.70	27.448	0.505	1486.	0.7
391	394.0	7.102	35.056	4.09	0.70	27.449	0.505	1486.	0.4
392	395.2	7.100	35.055	4.10	0.69	27.448	0.506	1486.	0.7
393	396.0	7.095	35.055	4.09	0.70	27.449	0.507	1486.	0.8
394	397.0	7.097	35.055	4.09	0.70	27.449	0.507	1486.	0.8
395	398.2	7.092	35.053	4.20	0.70	27.448	0.508	1486.	0.8
396	399.0	7.084	35.055	4.11	0.71	27.450	0.509	1486.	0.8
397	400.0	7.087	35.055	4.10	0.71	27.450	0.509	1486.	0.8

STA 44 DAY: 14 TIME: 1609

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
		53.2	16.9	73.6	14.5	117.1	14.3	153.1	12.9
0.3	17.5	53.3	16.9	74.4	14.5	117.8	14.3	153.7	12.8
1.1	17.5	53.6	16.9	75.2	14.5	118.7	14.3	154.4	12.8
2.1	17.5	54.2	16.8	76.2	14.5	119.8	14.3	155.4	12.7
3.4	17.5	54.9	16.8	77.3	14.5	121.3	14.3	156.3	12.7
4.2	17.5	55.3	16.8	78.0	14.5	122.2	14.3	157.1	12.6
4.6	17.5	55.4	16.7	78.6	14.5	123.0	14.3	158.1	12.6
5.4	17.5	55.4	16.7	79.5	14.5	123.9	14.2	159.1	12.6
6.3	17.5	55.9	16.6	80.2	14.4	124.3	14.2	160.4	12.5
7.5	17.5	56.3	16.6	81.6	14.4	124.9	14.1	161.4	12.5
8.5	17.5	56.7	16.5	82.6	14.4	125.3	14.1	162.8	12.5
9.7	17.5	57.0	16.5	83.8	14.4	125.8	14.1	164.0	12.5
11.0	17.5	57.2	16.5	85.0	14.4	126.0	14.0	165.4	12.5
12.7	17.5	57.3	16.4	85.3	14.5	126.8	13.9	166.9	12.5
14.8	17.5	57.5	16.3	85.6	14.5	127.3	13.9	167.8	12.5
16.6	17.5	57.8	16.2	86.0	14.6	127.6	13.8	168.9	12.5
18.0	17.5	57.9	16.2	86.4	14.6	128.0	13.7	169.9	12.5
19.5	17.5	58.0	16.1	87.2	14.6	128.1	13.6	170.2	12.5
21.4	17.5	58.3	16.1	87.8	14.6	128.6	13.6	170.6	12.4
23.2	17.5	58.5	16.0	88.3	14.6	128.9	13.5	171.6	12.4
24.8	17.5	58.8	15.9	89.4	14.7	129.6	13.5	173.1	12.4
26.0	17.5	59.0	15.9	90.5	14.7	130.3	13.5	174.5	12.4
27.3	17.5	59.1	15.8	91.9	14.7	131.2	13.5	175.3	12.4
28.6	17.5	59.2	15.7	93.0	14.7	131.8	13.4	176.1	12.4
30.1	17.5	59.1	15.6	94.4	14.7	132.5	13.4	177.0	12.3
31.5	17.5	59.1	15.6	95.3	14.7	133.8	13.4	177.6	12.3
33.5	17.5	59.4	15.5	96.1	14.7	135.4	13.4	178.6	12.3
35.4	17.5	59.6	15.5	96.5	14.7	136.6	13.4	179.2	12.3
36.7	17.5	59.7	15.4	97.3	14.7	137.4	13.4	179.3	12.3
38.5	17.5	59.7	15.3	98.3	14.7	138.4	13.4	179.7	12.2
39.5	17.5	59.9	15.2	99.3	14.7	139.3	13.4	180.4	12.2
40.9	17.5	60.0	15.1	100.3	14.7	139.5	13.3	180.9	12.2
42.3	17.5	60.0	15.1	101.6	14.7	140.0	13.2	181.3	12.2
44.0	17.5	60.0	15.0	102.9	14.7	140.2	13.2	181.5	12.1
45.1	17.5	60.4	14.9	104.0	14.7	140.6	13.1	181.6	12.1
46.4	17.5	60.7	14.8	104.5	14.7	141.8	13.1	181.8	12.0
47.9	17.5	61.0	14.8	105.3	14.6	142.8	13.1	182.6	12.0
48.2	17.5	61.7	14.8	105.9	14.6	143.8	13.1	183.6	12.0
48.5	17.5	62.3	14.7	106.3	14.6	144.3	13.1	183.9	11.9
49.2	17.5	62.8	14.6	106.5	14.5	144.8	13.1	184.2	11.9
49.3	17.4	63.0	14.6	107.2	14.5	145.5	13.1	184.5	11.9
49.7	17.3	63.9	14.6	108.0	14.5	146.4	13.0	185.8	11.9
50.2	17.3	64.9	14.6	108.9	14.4	147.1	13.0	186.8	11.9
50.6	17.2	66.3	14.5	109.8	14.4	148.3	13.0	187.8	11.9
50.8	17.2	67.6	14.5	111.2	14.4	149.3	13.0	188.8	11.9
51.5	17.1	68.6	14.5	112.4	14.4	150.3	13.0	189.5	11.8
52.0	17.1	69.8	14.5	113.5	14.4	150.8	13.0	190.0	11.8
52.0	17.0	70.7	14.5	114.4	14.4	151.4	13.0	190.4	11.7
52.7	17.0	72.0	14.5	115.4	14.4	152.2	12.9	191.1	11.7
53.0	17.0	72.7	14.5	116.4	14.4	152.6	12.9	193.1	11.6

STA 44 DAY: 14 TIME: 1609

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
194.9	11.6	237.5	10.0	278.9	8.4	327.1	7.3	386.1	6.6
196.3	11.6	237.8	10.0	280.5	8.3	328.1	7.3	387.3	6.6
197.8	11.6	238.2	10.0	281.8	8.3	329.5	7.3	388.1	6.6
198.5	11.5	239.1	9.9	282.4	8.3	330.4	7.3	389.1	6.6
199.3	11.5	239.7	9.9	282.5	8.3	331.5	7.2	389.7	6.6
200.0	11.4	240.3	9.8	283.1	8.3	332.4	7.2	390.1	6.6
200.6	11.4	240.7	9.8	283.9	8.3	333.5	7.2	390.9	6.6
200.8	11.4	241.2	9.7	284.5	8.3	335.0	7.2	391.9	6.5
201.7	11.3	241.7	9.7	285.2	8.2	336.2	7.1	392.8	6.5
202.6	11.3	242.4	9.7	285.7	8.2	336.7	7.1	394.2	6.5
203.2	11.3	243.2	9.6	286.5	8.2	337.3	7.1	395.5	6.5
203.6	11.2	244.1	9.6	287.3	8.2	338.7	7.1	396.6	6.5
204.0	11.1	244.9	9.6	291.0	8.2	339.8	7.0	397.9	6.5
204.9	11.0	245.7	9.6	292.5	8.2	340.7	7.0	398.7	6.5
205.4	11.0	246.3	9.6	293.3	8.2	342.0	7.0	400.8	6.4
206.3	11.0	247.4	9.5	293.8	8.1	343.4	7.0	402.0	6.4
207.1	11.0	248.1	9.5	294.2	8.0	344.5	7.0	403.3	6.4
207.2	10.9	248.6	9.5	294.9	8.0	345.8	7.0	404.1	6.4
207.6	10.8	249.4	9.4	296.1	8.0	347.0	7.0	405.5	6.4
208.2	10.8	250.1	9.4	296.8	7.9	347.3	6.9	406.7	6.4
209.1	10.8	250.6	9.3	297.7	7.9	348.2	6.9	407.9	6.4
209.4	10.7	251.1	9.3	298.7	7.9	349.0	6.9	409.0	6.4
209.9	10.6	251.6	9.2	299.5	7.9	350.3	6.8	410.2	6.4
210.3	10.6	252.4	9.2	300.6	7.9	351.9	6.8	411.4	6.3
210.4	10.5	252.8	9.1	302.1	7.9	353.7	6.8	412.7	6.3
210.6	10.5	253.7	9.1	303.3	7.9	355.0	6.8	413.8	6.3
211.2	10.4	254.2	9.0	304.4	7.8	356.1	6.8	414.8	6.3
212.2	10.4	254.8	9.0	305.8	7.8	356.7	6.7	415.4	6.2
213.1	10.4	255.1	8.9	307.2	7.8	357.1	6.7	416.2	6.2
213.6	10.4	255.4	8.9	308.1	7.8	357.7	6.7	417.7	6.2
214.4	10.3	256.8	8.8	308.5	7.8	358.5	6.7	418.6	6.2
215.1	10.3	258.3	8.8	309.1	7.8	360.5	6.7	419.8	6.2
216.0	10.3	260.2	8.7	310.0	7.8	361.9	6.7	421.4	6.1
217.5	10.3	261.5	8.7	311.5	7.7	363.1	6.7	423.8	6.1
219.4	10.3	262.5	8.7	312.4	7.7	365.6	6.6	425.1	6.1
221.1	10.3	262.8	8.6	313.1	7.7	366.6	6.7	426.4	6.1
223.0	10.3	263.1	8.6	313.7	7.7	367.7	6.7	427.6	6.1
224.5	10.3	264.0	8.6	314.7	7.7	369.5	6.6	428.7	6.1
225.9	10.3	265.5	8.5	315.3	7.6	370.7	6.6	430.4	6.1
227.2	10.3	267.4	8.5	315.7	7.6	372.0	6.6	431.9	6.0
228.5	10.3	268.9	8.5	316.1	7.6	373.2	6.6	433.1	6.0
230.8	10.2	269.8	8.5	317.0	7.5	374.3	6.6	434.4	6.0
232.8	10.2	271.2	8.5	317.8	7.5	375.7	6.6	436.1	6.0
234.1	10.3	271.5	8.5	319.1	7.5	377.3	6.6	437.7	6.0
235.4	10.3	271.9	8.4	320.1	7.5	378.7	6.6	439.3	6.0
236.1	10.3	273.2	8.4	321.5	7.5	380.0	6.6	441.0	5.9
236.3	10.2	274.5	8.4	322.1	7.5	381.2	6.6	442.8	5.9
236.7	10.2	275.6	8.4	323.1	7.4	382.6	6.6	443.9	5.9
237.3	10.1	276.7	8.4	324.2	7.4	383.9	6.6	445.1	5.9
237.4	10.1	277.6	8.4	326.0	7.4	385.2	6.6	448.1	5.8

STA 44 DAY: 14 TIME: 1609

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
449.2	5.8	508.2	5.2	565.1	5.0	654.9	4.8
449.9	5.7	509.4	5.2	567.2	5.0	657.3	4.8
451.2	5.7	510.4	5.2	569.2	5.0	659.2	4.8
452.6	5.7	511.1	5.2	571.0	5.0	661.2	4.8
453.9	5.7	512.2	5.2	573.5	5.0	663.1	4.8
455.1	5.7	513.4	5.2	575.8	5.0	665.9	4.8
456.3	5.6	514.7	5.2	577.3	5.0	668.2	4.8
457.4	5.6	516.0	5.2	578.7	5.0	670.5	4.8
458.7	5.6	517.3	5.2	580.3	5.0	673.0	4.8
460.1	5.6	518.3	5.2	582.3	5.0	676.1	4.8
461.4	5.6	518.9	5.2	584.6	5.0	678.6	4.8
462.5	5.6	519.8	5.2	585.9	5.0	681.2	4.8
463.2	5.6	520.5	5.2	587.5	5.0	683.4	4.8
464.0	5.6	521.3	5.2	589.1	5.0	685.5	4.8
465.0	5.6	522.8	5.2	590.2	5.0	688.0	4.8
465.6	5.5	523.9	5.2	591.4	4.9	691.0	4.8
466.2	5.5	525.1	5.1	593.0	4.9	692.5	4.8
467.5	5.5	526.1	5.1	594.6	4.9	694.2	4.8
468.9	5.5	527.1	5.1	596.9	5.0	695.5	4.8
470.2	5.5	527.9	5.1	598.0	4.9	696.7	4.8
472.3	5.5	528.6	5.1	599.9	4.9	697.2	4.7
473.5	5.5	529.4	5.1	601.0	4.9	698.0	4.7
475.5	5.5	530.2	5.1	601.9	4.9	699.7	4.7
476.8	5.5	531.0	5.1	602.3	4.9	702.2	4.7
478.0	5.5	531.7	5.1	602.8	4.9	704.3	4.7
480.0	5.4	533.1	5.1	603.8	4.9	706.5	4.7
480.8	5.4	534.2	5.1	606.0	4.9	708.4	4.7
482.1	5.4	535.3	5.1	608.3	4.9	711.3	4.7
483.9	5.4	536.3	5.1	609.6	4.8	713.1	4.7
485.5	5.3	536.8	5.1	611.3	4.8	714.5	4.7
487.4	5.3	538.1	5.1	612.7	4.8	715.5	4.7
488.7	5.3	539.2	5.1	615.1	4.8	718.3	4.7
489.6	5.3	541.0	5.1	616.9	4.8	720.5	4.7
490.6	5.3	542.2	5.1	619.0	4.8	723.0	4.7
491.7	5.3	543.5	5.1	621.7	4.8	725.3	4.7
493.3	5.3	545.1	5.0	622.5	4.9	728.0	4.7
494.5	5.3	546.8	5.1	624.6	4.9	730.4	4.7
495.8	5.3	548.0	5.1	627.6	4.9	732.3	4.7
497.1	5.3	549.9	5.1	629.7	4.9	734.8	4.7
498.7	5.3	550.0	5.1	631.8	4.9	737.3	4.6
499.6	5.3	551.4	5.1	633.7	4.8	739.7	4.6
500.5	5.3	552.8	5.1	635.1	4.8	742.1	4.6
501.5	5.3	554.8	5.1	638.3	4.8	744.3	4.6
502.5	5.3	556.0	5.1	640.5	4.8	746.6	4.6
503.2	5.3	557.4	5.1	642.5	4.8	748.8	4.6
503.9	5.3	559.2	5.1	644.3	4.8		
504.5	5.3	560.2	5.1	646.2	4.8		
504.9	5.3	561.3	5.0	648.8	4.8		
505.6	5.2	562.4	5.0	650.4	4.8		
507.3	5.2	563.8	5.0	653.4	4.8		

STA 45 DAY: 14 TIME: 1642

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.6	16.1	50.3	16.4	76.5	14.5	109.6	14.2	153.1	12.8
0.9	16.2	51.0	16.4	77.1	14.5	111.6	14.2	153.3	12.7
1.4	16.2	51.8	16.4	77.4	14.4	113.4	14.2	153.8	12.7
2.7	16.2	52.8	16.4	77.5	14.4	114.6	14.2	154.7	12.6
3.9	16.2	53.2	16.4	77.8	14.4	115.9	14.2	155.3	12.6
5.1	16.2	53.7	16.4	78.5	14.4	116.2	14.2	155.6	12.6
6.8	16.2	54.7	16.4	78.7	14.4	116.9	14.2	155.8	12.5
7.5	16.2	55.5	16.4	78.9	14.4	117.6	14.1	156.5	12.5
8.0	16.3	56.2	16.4	79.0	14.5	118.3	14.1	157.3	12.5
8.5	16.4	56.7	16.4	79.1	14.5	118.7	14.0	158.4	12.5
8.5	16.4	57.4	16.4	79.3	14.5	119.2	14.0	159.1	12.4
8.8	16.5	57.9	16.4	79.5	14.5	119.8	14.0	159.7	12.4
9.1	16.5	58.2	16.3	80.0	14.5	120.3	13.9	160.4	12.4
9.6	16.6	59.0	16.3	80.3	14.5	121.0	13.9	161.2	12.4
10.1	16.6	59.7	16.3	80.4	14.4	122.1	13.9	162.1	12.4
11.1	16.6	60.4	16.2	80.5	14.4	122.9	13.9	163.4	12.3
11.5	16.5	60.8	16.2	80.6	14.4	124.1	13.8	164.5	12.3
11.9	16.5	61.2	16.2	81.3	14.4	124.8	13.8	165.6	12.3
12.5	16.5	61.9	16.1	82.1	14.4	125.9	13.7	166.8	12.3
13.2	16.5	62.6	16.1	83.1	14.4	126.7	13.7	167.9	12.3
14.0	16.5	62.9	16.0	83.6	14.3	127.5	13.7	168.4	12.3
15.0	16.4	63.4	15.9	84.0	14.3	128.6	13.7	169.2	12.3
15.9	16.4	63.6	15.9	84.2	14.3	129.2	13.7	169.8	12.3
17.3	16.4	63.7	15.8	84.7	14.2	130.0	13.6	170.4	12.2
18.2	16.4	63.8	15.8	85.1	14.2	130.6	13.6	170.9	12.2
19.0	16.4	64.0	15.7	85.4	14.2	131.2	13.6	172.0	12.2
19.9	16.4	64.4	15.6	86.1	14.2	132.1	13.5	173.1	12.2
21.0	16.4	64.7	15.6	86.6	14.2	133.2	13.5	174.2	12.1
22.1	16.4	65.0	15.6	87.2	14.2	134.5	13.5	175.6	12.1
23.6	16.4	65.2	15.5	88.0	14.2	135.8	13.4	176.4	12.1
24.2	16.4	65.5	15.5	88.3	14.3	137.1	13.4	177.2	12.1
25.2	16.4	65.6	15.4	89.2	14.3	138.7	13.4	178.6	12.1
25.9	16.4	65.9	15.3	89.7	14.3	140.5	13.4	179.1	12.1
26.9	16.4	66.1	15.3	90.8	14.3	141.8	13.4	179.8	12.0
28.0	16.4	66.4	15.3	91.6	14.3	142.8	13.3	179.8	12.0
29.0	16.4	66.8	15.3	92.9	14.3	143.5	13.3	180.6	12.0
30.4	16.4	67.8	15.2	94.3	14.3	143.6	13.2	181.6	11.9
31.8	16.3	68.2	15.2	95.3	14.3	144.4	13.2	182.7	11.9
33.6	16.4	68.5	15.1	95.8	14.3	145.4	13.2	183.8	11.9
34.8	16.4	68.8	15.1	96.3	14.3	146.3	13.2	184.5	11.9
37.0	16.4	69.6	15.1	97.2	14.3	146.7	13.1	185.0	11.9
37.6	16.4	70.1	15.0	97.8	14.2	147.8	13.1	185.7	11.8
38.8	16.4	70.9	14.9	98.4	14.2	148.3	13.1	186.8	11.8
41.1	16.4	71.3	14.9	99.6	14.2	149.4	13.0	187.8	11.7
43.2	16.4	71.8	14.8	100.3	14.2	150.2	13.0	188.2	11.7
45.1	16.4	72.2	14.8	101.3	14.2	150.8	13.0	189.0	11.6
46.6	16.4	73.0	14.7	102.8	14.2	151.8	13.0	189.7	11.6
47.9	16.4	73.7	14.7	103.9	14.2	152.3	13.0	190.6	11.6
49.0	16.4	74.9	14.6	106.0	14.2	152.6	12.9	190.9	11.5
49.5	16.4	75.6	14.6	107.9	14.2	152.8	12.8	191.6	11.5

STA 45 DAY: 14 TIME: 1642

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
192.6	11.5	229.7	9.8	283.5	7.9	355.2	7.1	409.9	6.3
193.6	11.4	231.0	9.8	284.6	7.9	356.1	7.1	411.0	6.2
194.3	11.4	232.3	9.8	286.7	7.9	357.4	7.1	412.3	6.2
194.9	11.4	233.7	9.7	288.5	7.9	358.2	7.1	414.2	6.2
195.7	11.4	234.5	9.7	290.2	7.9	359.2	7.1	417.1	6.2
196.8	11.4	235.9	9.7	292.2	7.9	360.4	7.1	417.6	6.2
197.9	11.4	237.0	9.6	293.9	7.8	361.5	7.1	419.3	6.2
199.2	11.4	238.3	9.6	295.5	7.8	362.5	7.0	421.1	6.2
199.8	11.4	240.0	9.6	297.1	7.8	363.4	7.0	423.3	6.2
200.9	11.4	242.1	9.6	298.0	7.8	364.7	7.0	425.0	6.2
201.3	11.3	243.6	9.6	298.6	7.7	366.2	7.0	426.6	6.2
201.9	11.3	245.0	9.6	299.1	7.7	367.5	7.0	428.8	6.2
202.9	11.3	245.9	9.5	300.1	7.7	369.5	6.9	430.3	6.2
203.9	11.2	246.6	9.5	301.6	7.7	370.4	6.9	430.5	6.2
204.7	11.2	247.1	9.4	303.1	7.7	371.1	6.9	431.4	6.2
205.7	11.2	248.1	9.4	304.6	7.7	371.9	6.8	433.8	6.3
206.5	11.2	249.3	9.3	305.6	7.6	372.9	6.8	434.8	6.3
206.9	11.1	249.9	9.3	306.6	7.6	374.3	6.8	436.5	6.3
207.7	11.1	250.7	9.2	307.6	7.6	375.4	6.8	437.9	6.3
208.0	11.1	251.6	9.2	308.9	7.6	376.1	6.7	439.1	6.3
208.6	11.1	252.4	9.1	310.2	7.6	376.8	6.7	440.5	6.2
209.1	11.0	253.5	9.0	311.7	7.6	377.8	6.7	441.5	6.2
209.6	11.0	254.3	9.0	313.2	7.5	378.7	6.7	442.5	6.2
210.2	11.0	254.8	8.9	314.6	7.5	379.5	6.6	443.7	6.2
211.3	11.0	256.0	8.9	316.0	7.5	381.0	6.6	444.4	6.2
212.7	10.9	256.6	8.9	317.4	7.4	382.6	6.6	445.8	6.1
213.1	10.9	257.0	8.8	318.0	7.4	383.5	6.6	447.0	6.1
213.3	10.9	257.4	8.8	319.1	7.3	384.6	6.6	448.4	6.1
214.3	10.8	258.4	8.7	320.7	7.3	385.6	6.5	449.5	6.1
215.2	10.8	259.8	8.7	321.8	7.3	386.4	6.5	450.1	6.0
216.3	10.8	260.7	8.6	323.1	7.3	387.5	6.5	451.3	6.0
217.6	10.8	261.5	8.6	325.9	7.3	388.7	6.5	452.2	6.0
217.9	10.7	262.2	8.6	326.8	7.3	389.8	6.5	453.5	6.0
218.4	10.7	263.4	8.5	327.6	7.3	391.1	6.5	454.8	6.0
218.7	10.6	265.0	8.5	329.3	7.3	392.8	6.5	456.3	6.0
219.1	10.6	266.1	8.5	331.1	7.2	394.2	6.5	457.9	6.0
219.5	10.5	266.9	8.4	332.6	7.2	395.6	6.5	459.4	6.0
221.0	10.4	268.3	8.4	334.3	7.2	396.4	6.5	460.2	5.9
221.5	10.3	270.4	8.4	335.5	7.2	397.0	6.4	461.6	5.9
221.5	10.3	272.1	8.4	336.9	7.2	397.5	6.4	463.0	5.9
222.0	10.3	273.8	8.4	338.2	7.2	398.0	6.3	464.8	5.9
222.5	10.2	275.1	8.4	340.1	7.2	399.2	6.3	466.6	5.9
222.9	10.1	276.3	8.4	341.6	7.2	400.4	6.3	468.9	5.9
223.0	10.1	277.0	8.3	343.3	7.2	401.2	6.3	469.6	5.9
223.6	10.0	278.2	8.2	345.6	7.2	402.9	6.3	470.6	5.9
224.1	10.0	279.4	8.2	347.6	7.2	404.1	6.3	471.4	5.9
224.7	9.9	279.9	8.1	349.0	7.2	405.2	6.3	472.8	5.9
225.6	9.9	280.6	8.1	350.6	7.2	406.7	6.3	474.0	5.9
226.6	9.9	281.6	8.0	352.3	7.2	407.8	6.3	474.9	5.9
228.3	9.8	282.8	8.0	353.8	7.2	408.9	6.3	475.3	5.9

STA 45 DAY: 14 TIME: 1642

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
476.0	5.9	529.4	5.5	604.3	5.1	700.0	4.8
476.9	5.9	530.7	5.5	606.3	5.1	701.4	4.8
478.1	5.9	532.3	5.5	608.9	5.1	702.0	4.7
479.0	5.9	533.8	5.5	611.2	5.1	703.0	4.7
479.8	5.9	534.8	5.5	613.1	5.1	705.1	4.7
480.6	5.8	536.3	5.5	615.4	5.1	706.8	4.7
481.5	5.8	538.0	5.5	617.5	5.1	708.5	4.7
482.7	5.8	539.6	5.5	619.7	5.1	710.3	4.7
483.6	5.8	541.0	5.5	621.3	5.1	712.0	4.7
484.5	5.8	542.3	5.5	624.0	5.1	714.1	4.7
485.7	5.8	542.7	5.5	625.7	5.1	716.1	4.7
486.1	5.8	543.5	5.4	628.5	5.0	719.1	4.7
487.2	5.8	544.4	5.4	630.8	5.0	720.6	4.7
487.9	5.7	545.3	5.4	633.3	5.0	722.1	4.7
489.7	5.7	546.4	5.4	635.9	5.0	724.0	4.7
490.5	5.7	547.2	5.4	638.3	5.0	725.4	4.7
491.4	5.7	548.4	5.4	640.4	5.0	726.7	4.7
492.1	5.7	548.8	5.4	642.5	5.0	728.1	4.7
493.3	5.7	550.1	5.3	644.9	5.0	729.7	4.7
494.3	5.7	551.0	5.3	647.7	5.0	730.7	4.6
495.5	5.7	552.6	5.3	649.8	5.0	732.0	4.6
496.2	5.7	554.3	5.3	650.3	5.0	733.9	4.6
497.0	5.7	556.2	5.3	652.2	5.0	736.0	4.6
497.6	5.7	557.1	5.3	653.7	5.0	738.0	4.6
498.2	5.7	558.6	5.3	655.7	5.0	739.7	4.6
499.2	5.6	560.5	5.3	657.9	4.9	742.2	4.6
500.5	5.6	561.0	5.3	659.7	4.9	743.7	4.6
502.0	5.6	562.8	5.3	661.3	4.9	745.6	4.6
502.7	5.6	563.8	5.3	664.0	4.9	747.8	4.6
503.9	5.6	565.3	5.3	666.2	4.9		
505.0	5.6	566.4	5.2	668.3	4.9		
506.3	5.6	568.3	5.2	670.7	4.9		
507.6	5.6	570.2	5.2	672.8	4.9		
508.8	5.6	572.3	5.2	674.9	4.9		
509.6	5.6	574.3	5.2	676.1	4.9		
511.1	5.6	576.2	5.2	677.3	4.9		
512.2	5.6	578.3	5.2	678.3	4.9		
513.3	5.6	580.1	5.2	680.0	4.9		
515.0	5.6	582.4	5.2	681.3	4.9		
516.7	5.6	584.5	5.2	682.8	4.8		
518.1	5.6	587.2	5.2	684.4	4.8		
519.5	5.6	589.0	5.2	685.6	4.8		
520.8	5.6	591.4	5.2	687.3	4.8		
521.6	5.6	593.9	5.2	689.0	4.8		
522.8	5.6	596.3	5.2	690.5	4.8		
524.3	5.6	598.4	5.2	691.8	4.8		
525.5	5.6	599.6	5.2	692.9	4.8		
527.1	5.6	600.9	5.2	695.1	4.8		
528.1	5.6	601.6	5.2	696.7	4.8		
528.6	5.5	602.8	5.1	698.1	4.8		

STA 46 DAY: 14 TIME: 1715

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.2	16.2	55.6	14.8	83.3	13.8	116.2	13.9	161.5	12.0
0.5	16.2	55.9	14.7	84.4	13.8	117.6	13.9	163.0	12.0
1.0	16.3	56.4	14.6	85.3	13.8	118.8	13.9	163.9	11.9
2.0	16.3	56.8	14.6	86.4	13.7	119.7	13.9	165.0	11.9
3.4	16.3	57.1	14.5	86.8	13.7	120.6	13.9	166.2	11.8
4.7	16.3	57.7	14.4	86.8	13.6	121.8	13.9	168.2	11.7
5.8	16.3	58.2	14.4	86.9	13.5	122.8	13.8	169.4	11.7
7.4	16.3	58.9	14.3	87.2	13.5	123.9	13.8	170.8	11.7
9.8	16.3	59.5	14.3	87.4	13.5	124.9	13.7	172.3	11.7
11.7	16.3	60.5	14.3	87.5	13.4	126.5	13.7	172.8	11.7
13.8	16.3	61.8	14.3	87.5	13.3	127.4	13.7	173.7	11.6
15.9	16.3	62.7	14.3	88.0	13.3	128.8	13.7	174.1	11.6
18.4	16.3	63.5	14.3	88.9	13.3	130.2	13.7	174.9	11.5
21.0	16.3	64.5	14.3	89.8	13.2	131.2	13.6	175.7	11.5
23.1	16.3	64.9	14.3	90.7	13.2	131.9	13.6	176.6	11.5
25.3	16.3	65.6	14.3	91.2	13.3	132.3	13.5	177.8	11.5
27.3	16.3	66.1	14.4	91.4	13.3	132.6	13.5	179.2	11.5
28.6	16.3	66.7	14.4	92.4	13.4	133.7	13.4	180.8	11.5
31.4	16.3	67.0	14.5	92.9	13.4	135.1	13.4	181.9	11.5
33.7	16.3	67.2	14.5	93.9	13.4	136.6	13.4	182.4	11.4
36.0	16.3	67.4	14.6	94.8	13.4	137.9	13.3	182.8	11.4
37.8	16.3	67.6	14.6	95.8	13.4	139.2	13.3	183.1	11.3
40.7	16.3	68.0	14.6	95.9	13.5	140.0	13.3	184.1	11.3
42.1	16.3	68.1	14.6	96.3	13.6	140.9	13.2	184.7	11.2
43.5	16.3	68.5	14.5	97.1	13.6	141.7	13.2	185.5	11.1
43.8	16.3	68.8	14.4	97.4	13.6	142.1	13.1	186.4	11.1
44.7	16.3	69.4	14.3	97.4	13.7	142.6	13.1	187.7	11.1
45.5	16.3	70.3	14.3	98.0	13.7	143.1	13.0	188.4	11.1
46.4	16.3	71.2	14.3	99.2	13.7	144.1	13.0	189.1	11.1
47.1	16.3	72.3	14.3	99.6	13.7	144.6	12.9	189.9	11.0
47.9	16.3	73.0	14.3	99.9	13.6	145.0	12.9	190.4	11.0
48.4	16.2	73.5	14.3	100.6	13.6	145.7	12.8	191.7	10.9
48.6	16.1	74.1	14.3	101.6	13.5	146.6	12.8	193.0	10.9
48.8	16.1	74.4	14.3	102.2	13.5	147.3	12.7	194.6	10.9
49.2	16.0	74.6	14.3	103.8	13.5	148.2	12.7	196.1	10.9
49.8	15.8	74.9	14.4	104.2	13.6	149.1	12.7	197.8	10.8
50.3	15.7	75.3	14.4	104.8	13.6	149.7	12.6	199.6	10.8
50.7	15.6	76.2	14.4	105.1	13.7	150.0	12.6	201.3	10.8
51.0	15.6	76.8	14.3	105.5	13.8	150.3	12.5	202.9	10.8
51.5	15.4	77.0	14.3	106.5	13.8	151.3	12.4	204.6	10.8
52.1	15.4	77.8	14.3	107.4	13.8	152.0	12.4	205.9	10.8
52.3	15.3	78.2	14.2	108.1	13.8	152.6	12.4	206.7	10.8
52.9	15.2	78.7	14.2	108.6	13.9	153.8	12.3	207.9	10.8
53.2	15.1	78.7	14.1	109.1	13.9	155.4	12.3	208.9	10.7
53.6	15.1	78.8	14.1	109.3	13.9	156.2	12.3	210.1	10.7
53.7	15.0	78.7	14.0	110.6	13.9	156.7	12.2	210.8	10.6
54.0	15.0	79.3	13.9	112.2	14.0	157.8	12.2	212.3	10.6
54.4	14.9	79.9	13.9	113.3	14.0	158.6	12.1	213.2	10.6
54.7	14.8	80.8	13.9	114.0	13.9	158.9	12.1	214.4	10.6
55.1	14.8	82.2	13.8	114.8	13.9	159.9	12.0	215.6	10.6

STA 46 DAY: 14 TIME: 1715

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
216.7	10.6	266.1	9.3	320.2	7.5	376.7	6.4	445.8	6.0
217.9	10.5	267.2	9.2	321.3	7.5	378.6	6.4	446.5	6.0
219.2	10.5	267.5	9.1	322.7	7.5	380.1	6.4	447.9	5.9
220.7	10.5	267.8	9.0	324.3	7.5	381.5	6.4	447.7	5.9
221.1	10.4	267.9	8.9	325.6	7.5	382.7	6.4	448.3	5.9
222.0	10.4	268.5	8.9	327.0	7.5	383.1	6.3	449.1	5.8
222.6	10.4	269.3	8.8	327.3	7.4	383.4	6.3	450.1	5.8
223.3	10.3	269.9	8.8	327.7	7.4	384.3	6.3	450.8	5.8
224.2	10.2	271.1	8.7	328.2	7.3	385.6	6.3	451.6	5.7
225.6	10.2	272.3	8.7	328.7	7.3	387.0	6.3	452.2	5.7
226.1	10.2	273.5	8.7	329.5	7.2	387.7	6.3	454.1	5.7
226.6	10.2	274.2	8.6	330.5	7.1	389.0	6.3	455.5	5.7
227.0	10.1	275.0	8.6	331.6	7.1	391.0	6.3	457.2	5.7
227.3	10.1	276.3	8.5	332.6	7.1	392.5	6.3	458.6	5.7
228.0	10.1	277.3	8.5	333.0	7.1	394.6	6.3	460.0	5.7
229.3	10.1	278.1	8.4	333.4	7.0	396.4	6.3	461.2	5.7
230.8	10.1	278.9	8.4	334.9	7.0	397.8	6.3	461.8	5.7
232.1	10.1	279.7	8.4	336.0	7.0	398.7	6.3	462.2	5.7
234.3	10.1	280.9	8.3	336.2	6.9	400.5	6.3	462.7	5.6
235.9	10.1	281.2	8.3	337.2	6.9	401.7	6.3	463.7	5.6
236.6	10.1	281.7	8.3	338.5	6.8	403.1	6.3	464.4	5.6
238.1	10.1	282.8	8.2	340.2	6.8	405.2	6.3	465.6	5.6
239.3	10.1	284.4	8.2	341.1	6.8	406.3	6.2	466.6	5.5
240.6	10.1	285.9	8.2	342.4	6.8	408.6	6.2	467.7	5.5
241.8	10.1	287.3	8.1	343.8	6.8	410.5	6.2	468.7	5.5
243.3	10.1	288.3	8.1	344.8	6.8	412.2	6.2	469.5	5.5
243.8	10.0	289.3	8.0	346.6	6.8	413.3	6.2	470.2	5.5
244.7	10.0	290.0	8.0	347.2	6.8	414.5	6.2	470.7	5.4
246.0	10.0	290.6	7.9	348.8	6.8	416.2	6.2	471.4	5.4
247.0	10.0	291.9	7.9	349.9	6.8	417.9	6.2	472.6	5.4
248.4	10.0	293.1	7.9	351.5	6.8	419.4	6.2	473.7	5.4
249.4	10.0	294.8	7.9	351.9	6.7	421.3	6.2	474.7	5.4
250.6	10.0	296.8	7.9	352.5	6.7	423.0	6.2	476.2	5.4
251.5	9.9	298.8	7.8	354.0	6.7	424.5	6.2	478.4	5.4
253.0	9.9	300.7	7.8	355.5	6.7	426.6	6.2	479.4	5.4
254.4	9.9	302.0	7.8	357.0	6.7	428.6	6.2	480.7	5.4
255.7	9.9	302.9	7.8	358.5	6.7	430.5	6.1	481.9	5.4
256.9	9.9	303.9	7.8	360.0	6.7	432.3	6.1	483.2	5.4
257.7	9.9	305.9	7.7	360.9	6.7	434.1	6.1	484.8	5.4
258.3	9.9	307.0	7.7	362.1	6.6	436.0	6.1	486.4	5.4
259.0	9.9	308.8	7.7	363.7	6.6	437.7	6.1	487.8	5.4
260.1	9.8	310.3	7.7	364.6	6.6	438.9	6.1	489.1	5.4
261.4	9.8	311.9	7.7	364.7	6.6	440.2	6.1	490.4	5.4
262.0	9.8	313.6	7.7	365.5	6.5	440.7	6.1	491.8	5.4
262.7	9.7	314.8	7.7	366.4	6.5	441.2	6.0	493.3	5.4
263.1	9.7	315.8	7.7	367.4	6.5	442.3	6.0	495.0	5.4
263.6	9.6	316.6	7.7	369.2	6.4	443.5	6.0	496.5	5.4
264.1	9.6	317.4	7.6	370.9	6.4	444.0	6.0	498.2	5.4
264.7	9.5	318.2	7.6	373.1	6.4	444.2	6.0	500.0	5.4
265.5	9.4	319.2	7.6	375.0	6.4	444.8	6.0	501.5	5.4

STA 46 DAY: 14 TIME: 1715

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
503.2	5.4	579.7	5.3	638.4	4.9
504.9	5.4	580.7	5.3	639.5	4.9
506.4	5.4	581.3	5.2	640.3	4.9
508.1	5.4	581.9	5.2	641.2	4.9
509.5	5.4	582.5	5.2	642.2	4.9
510.4	5.4	583.8	5.2		
511.1	5.3	584.7	5.2		
512.3	5.3	586.1	5.2		
513.4	5.3	587.5	5.2		
514.6	5.3	588.7	5.2		
515.9	5.3	589.9	5.2		
517.2	5.3	591.1	5.2		
518.9	5.3	592.3	5.2		
520.1	5.3	593.5	5.2		
520.7	5.3	594.5	5.2		
521.3	5.3	595.6	5.2		
521.8	5.3	596.2	5.2		
524.4	5.3	597.0	5.2		
525.5	5.3	597.7	5.1		
526.7	5.3	598.2	5.1		
528.0	5.3	599.6	5.1		
529.8	5.3	600.9	5.1		
532.0	5.3	602.2	5.1		
533.8	5.3	603.3	5.1		
535.5	5.3	604.6	5.1		
536.7	5.3	605.8	5.1		
538.7	5.3	607.0	5.1		
540.1	5.3	607.8	5.1		
542.1	5.3	608.9	5.1		
543.5	5.3	610.0	5.1		
545.0	5.3	611.6	5.1		
547.4	5.3	614.2	5.0		
549.1	5.3	615.9	5.0		
550.2	5.3	617.6	5.0		
551.8	5.3	618.9	5.1		
553.6	5.3	620.5	5.0		
555.3	5.3	622.0	5.0		
556.9	5.3	624.0	5.0		
558.7	5.3	625.3	5.0		
560.4	5.3	626.5	5.0		
563.5	5.3	627.9	5.0		
565.4	5.3	628.8	5.0		
567.2	5.3	629.8	5.0		
568.8	5.3	630.5	4.9		
570.5	5.3	631.4	4.9		
572.0	5.3	633.2	4.9		
573.8	5.3	634.5	4.9		
575.5	5.3	635.4	4.9		
576.9	5.3	636.6	4.9		
578.6	5.3	637.6	4.9		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	47	14 NOV 1982	17.7	40 17.3 N	67 59.3 W	305

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.1	16.856	34.826	5.67	0.66	25.416	0.000	1512.	-0.4
4	3.8	16.848	34.825	5.62	0.67	25.417	0.004	1512.	-0.4
6	6.0	16.859	34.827	5.64	0.68	25.416	0.010	1512.	-0.4
8	8.1	16.858	34.828	5.66	0.65	25.417	0.015	1512.	-0.4
10	9.8	16.858	34.828	5.58	0.66	25.417	0.020	1512.	-0.4
12	12.0	16.868	34.829	5.55	0.65	25.415	0.025	1512.	-0.3
14	14.2	16.872	34.830	5.66	0.65	25.415	0.031	1512.	0.2
16	15.8	16.871	34.829	5.61	0.66	25.415	0.035	1512.	0.4
18	18.1	16.891	34.837	5.60	0.65	25.416	0.041	1513.	0.6
20	20.0	16.907	34.842	5.57	0.66	25.416	0.046	1513.	0.8
22	22.0	16.908	34.843	5.63	0.66	25.416	0.051	1513.	1.1
24	23.8	16.912	34.844	5.66	0.67	25.417	0.055	1513.	1.3
26	26.2	16.922	34.848	5.70	0.67	25.417	0.062	1513.	1.5
27	27.7	16.921	34.848	5.55	0.67	25.418	0.065	1513.	1.9
30	30.1	16.956	34.865	5.53	0.67	25.422	0.072	1513.	2.3
32	31.8	16.971	34.871	5.50	0.68	25.423	0.076	1513.	3.1
34	34.2	16.997	34.885	5.47	0.67	25.427	0.082	1513.	3.8
36	35.9	16.978	34.889	5.32	0.69	25.435	0.086	1513.	4.5
38	38.0	16.948	34.894	5.38	0.67	25.446	0.092	1513.	5.2
40	40.1	16.884	34.916	5.36	0.66	25.478	0.097	1513.	6.0
41	41.7	16.842	34.924	5.23	0.66	25.495	0.101	1513.	6.8
44	44.0	16.723	34.927	5.20	0.65	25.524	0.107	1513.	7.2
46	46.1	16.614	34.937	5.13	0.65	25.558	0.112	1512.	7.8
48	48.0	16.469	34.955	4.97	0.64	25.605	0.116	1512.	8.9
50	50.2	16.316	34.986	4.93	0.64	25.665	0.121	1512.	10.4
51	51.7	16.261	35.000	4.68	0.64	25.689	0.125	1511.	11.4
54	54.0	16.060	35.030	4.60	0.63	25.758	0.130	1511.	12.1
55	55.9	15.409	35.059	4.55	0.63	25.927	0.134	1509.	12.4
58	58.1	14.707	35.087	4.43	0.62	26.104	0.139	1507.	12.2
59	59.8	14.531	35.102	4.29	0.62	26.153	0.142	1506.	11.5
62	62.3	14.371	35.195	4.17	0.62	26.259	0.147	1506.	10.5
63	63.7	14.331	35.232	4.12	0.62	26.297	0.149	1506.	9.2
65	66.0	14.257	35.226	4.16	0.61	26.308	0.153	1506.	8.5
68	68.1	14.168	35.224	4.23	0.61	26.325	0.157	1505.	8.4
70	70.2	14.124	35.267	4.28	0.62	26.368	0.160	1505.	8.3
71	71.8	14.311	35.397	4.22	0.62	26.429	0.163	1506.	8.2
74	74.1	14.568	35.583	4.18	0.61	26.517	0.166	1507.	8.1
75	75.8	14.414	35.587	4.14	0.61	26.553	0.169	1507.	7.6
77	77.9	14.342	35.600	4.10	0.61	26.579	0.172	1507.	6.9
79	80.0	14.258	35.588	4.11	0.62	26.588	0.175	1506.	6.0
81	81.8	14.254	35.593	4.09	0.62	26.592	0.178	1506.	5.1
83	84.1	14.395	35.663	4.05	0.61	26.616	0.181	1507.	4.9
85	86.2	14.298	35.664	4.04	0.61	26.638	0.184	1507.	5.2
87	87.9	14.145	35.637	3.98	0.62	26.650	0.186	1506.	5.3
89	90.0	14.230	35.674	3.96	0.62	26.660	0.189	1506.	5.3
91	91.9	13.947	35.622	3.98	0.62	26.680	0.192	1506.	5.0
93	94.1	13.607	35.584	3.99	0.63	26.722	0.195	1504.	4.6
95	95.9	13.514	35.559	3.98	0.63	26.721	0.197	1504.	4.1
97	98.1	13.364	35.524	3.98	0.64	26.726	0.200	1504.	3.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	47	14 NOV 1982	17.7	40 17.3 N	67 59.3 W	305

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	99.9	13.353	35.526	3.96	0.64	26.729	0.203	1504.	2.8
101	102.1	13.223	35.490	3.98	0.64	26.728	0.206	1503.	1.9
103	103.9	13.096	35.458	4.00	0.65	26.729	0.208	1503.	1.9
105	106.0	12.988	35.437	3.99	0.65	26.735	0.211	1502.	1.8
107	108.1	12.979	35.436	3.99	0.66	26.736	0.214	1502.	1.8
109	109.9	12.980	35.439	3.97	0.65	26.738	0.216	1502.	2.0
111	112.1	12.964	35.436	3.94	0.66	26.738	0.219	1502.	2.3
113	114.2	12.886	35.418	3.94	0.66	26.740	0.222	1502.	2.6
115	116.0	12.824	35.406	3.89	0.67	26.744	0.224	1502.	2.8
117	117.8	12.706	35.383	3.87	0.67	26.749	0.227	1502.	2.9
119	120.1	12.434	35.330	3.89	0.68	26.762	0.229	1501.	3.1
121	121.9	12.395	35.326	3.86	0.69	26.766	0.232	1501.	3.1
123	124.2	12.292	35.303	3.83	0.69	26.768	0.235	1500.	2.9
125	125.8	12.261	35.303	3.81	0.70	26.774	0.237	1500.	2.7
127	128.0	12.226	35.302	3.83	0.70	26.781	0.240	1500.	3.0
129	130.0	12.199	35.300	3.83	0.71	26.784	0.242	1500.	3.6
131	132.0	12.195	35.300	3.82	0.71	26.785	0.245	1500.	4.1
133	134.0	12.195	35.305	3.83	0.71	26.789	0.248	1500.	4.3
135	136.1	12.007	35.298	3.82	0.71	26.820	0.250	1499.	4.5
137	138.1	11.910	35.305	3.79	0.72	26.844	0.253	1499.	4.4
139	139.9	11.905	35.313	3.78	0.72	26.851	0.255	1499.	4.2
141	142.2	11.883	35.318	3.78	0.72	26.859	0.258	1499.	3.8
143	143.9	11.868	35.320	3.78	0.72	26.863	0.260	1499.	3.1
145	146.0	11.873	35.324	3.79	0.72	26.865	0.262	1499.	2.6
147	148.1	11.856	35.323	3.78	0.72	26.868	0.265	1499.	2.8
149	149.8	11.824	35.318	3.75	0.72	26.870	0.267	1499.	3.1
151	152.2	11.782	35.317	3.76	0.72	26.878	0.270	1499.	3.4
153	153.9	11.778	35.321	3.74	0.73	26.881	0.272	1499.	3.6
155	156.1	11.704	35.325	3.76	0.72	26.899	0.274	1499.	3.8
157	157.8	11.675	35.333	3.76	0.72	26.910	0.276	1499.	3.8
159	160.0	11.671	35.343	3.74	0.72	26.919	0.279	1499.	3.7
161	162.3	11.680	35.354	3.75	0.72	26.926	0.282	1499.	3.5
163	163.9	11.725	35.376	3.72	0.72	26.934	0.284	1499.	3.2
165	165.9	11.771	35.391	3.71	0.72	26.937	0.286	1499.	2.9
167	168.3	11.752	35.391	3.72	0.71	26.941	0.289	1499.	2.7
168	169.8	11.788	35.408	3.69	0.71	26.947	0.290	1499.	2.5
171	172.0	11.919	35.449	3.68	0.71	26.954	0.293	1500.	2.2
173	174.2	11.969	35.464	3.67	0.70	26.956	0.295	1500.	2.0
174	175.9	11.989	35.469	3.64	0.70	26.956	0.297	1500.	1.6
177	178.1	11.998	35.473	3.65	0.70	26.957	0.300	1500.	1.3
179	180.0	11.998	35.473	3.67	0.69	26.958	0.302	1500.	1.6
181	182.0	12.021	35.479	3.64	0.69	26.958	0.304	1500.	2.5
183	184.1	12.037	35.483	3.66	0.67	26.958	0.306	1501.	3.1
185	186.0	12.040	35.486	3.65	0.68	26.960	0.309	1501.	3.5
186	188.0	11.926	35.479	3.65	0.66	26.976	0.311	1500.	3.8
189	190.1	11.637	35.438	3.67	0.67	26.999	0.313	1499.	4.0
190	191.8	11.382	35.378	3.66	0.69	27.000	0.315	1498.	4.3
193	194.1	11.249	35.363	3.62	0.70	27.013	0.318	1498.	4.4
195	196.1	11.156	35.347	3.61	0.71	27.018	0.320	1498.	4.3
196	197.9	11.098	35.344	3.58	0.71	27.026	0.322	1497.	4.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	47	14 NOV 1982	17.7	40 17.3 N	67 59.3 W	305

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
198	200.1	10.944	35.335	3.60	0.71	27.047	0.324	1497.	4.5
200	202.0	10.861	35.337	3.58	0.71	27.064	0.326	1497.	4.5
202	204.0	10.830	35.337	3.56	0.71	27.069	0.328	1497.	4.5
204	206.1	10.730	35.328	3.55	0.70	27.081	0.330	1496.	4.4
206	207.9	10.643	35.330	3.55	0.71	27.098	0.332	1496.	4.3
208	210.1	10.620	35.335	3.51	0.70	27.105	0.334	1496.	4.2
210	212.0	10.539	35.331	3.50	0.70	27.117	0.336	1496.	4.3
212	214.1	10.451	35.324	3.50	0.70	27.127	0.338	1495.	4.3
214	216.0	10.378	35.320	3.47	0.70	27.137	0.340	1495.	4.6
216	218.0	10.263	35.311	3.48	0.70	27.150	0.342	1495.	4.9
218	220.0	10.178	35.306	3.44	0.69	27.160	0.344	1494.	5.0
220	222.0	9.950	35.279	3.47	0.69	27.179	0.346	1494.	5.3
222	224.0	9.704	35.262	3.47	0.69	27.208	0.348	1493.	5.4
224	226.2	9.556	35.252	3.48	0.69	27.224	0.349	1492.	5.4
226	227.8	9.490	35.247	3.50	0.69	27.231	0.351	1492.	5.2
228	230.0	9.161	35.213	3.52	0.69	27.259	0.353	1491.	5.0
230	232.0	9.071	35.210	3.56	0.69	27.271	0.354	1491.	4.8
232	233.9	8.980	35.201	3.55	0.69	27.280	0.356	1490.	4.7
234	236.0	8.855	35.192	3.57	0.69	27.292	0.358	1490.	4.5
236	238.1	8.650	35.165	3.60	0.69	27.304	0.360	1489.	4.2
238	239.9	8.553	35.166	3.65	0.69	27.320	0.361	1489.	4.1
240	242.2	8.452	35.157	3.67	0.69	27.328	0.363	1488.	3.9
242	244.1	8.370	35.150	3.70	0.69	27.336	0.364	1488.	3.6
244	245.8	8.320	35.147	3.73	0.69	27.341	0.366	1488.	3.6
246	248.0	8.270	35.145	3.73	0.69	27.347	0.367	1488.	3.8
248	250.0	8.236	35.142	3.79	0.69	27.350	0.369	1488.	3.9
250	252.0	8.170	35.142	3.81	0.70	27.360	0.370	1487.	3.9
252	253.9	7.959	35.125	3.90	0.71	27.379	0.372	1487.	3.7
254	256.1	7.824	35.121	3.94	0.70	27.395	0.373	1486.	3.5
256	258.1	7.808	35.120	3.94	0.70	27.397	0.375	1486.	3.1
258	259.9	7.809	35.120	3.99	0.71	27.397	0.376	1486.	2.4
260	262.1	7.807	35.120	4.00	0.70	27.397	0.378	1486.	1.6
262	264.1	7.808	35.121	3.99	0.70	27.398	0.379	1486.	0.8
264	265.7	7.805	35.120	3.94	0.71	27.398	0.380	1486.	1.0
266	268.3	7.798	35.119	3.94	0.70	27.398	0.382	1486.	1.2
268	269.8	7.793	35.119	3.93	0.71	27.399	0.383	1486.	1.4
270	271.8	7.781	35.118	3.93	0.71	27.400	0.385	1486.	1.6
272	274.1	7.746	35.115	3.93	0.70	27.403	0.386	1486.	1.7
274	276.1	7.717	35.113	3.96	0.71	27.405	0.388	1486.	1.7
276	277.9	7.702	35.112	3.96	0.70	27.407	0.389	1486.	1.7
278	280.0	7.693	35.112	3.97	0.71	27.408	0.390	1486.	1.6
280	282.2	7.688	35.113	3.97	0.70	27.409	0.392	1486.	1.4
281	283.8	7.677	35.112	3.99	0.71	27.410	0.393	1486.	1.3
284	286.2	7.671	35.112	4.02	0.70	27.411	0.395	1486.	1.1
285	287.9	7.663	35.111	4.01	0.71	27.412	0.396	1486.	1.1
288	289.9	7.665	35.112	3.99	0.70	27.412	0.397	1486.	1.0
289	291.2	7.666	35.112	3.99	0.71	27.412	0.398	1486.	1.0
290	292.1	7.665	35.112	4.00	0.70	27.412	0.399	1486.	1.2
290	292.9	7.659	35.112	3.99	0.71	27.413	0.400	1486.	1.5
292	294.0	7.644	35.110	3.99	0.71	27.413	0.400	1486.	1.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	47	14 NOV 1982	17.7	40 17.3 N	67 59.3 W	305

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
293	295.0	7.629	35.109	4.00	0.70	27.415	0.401	1486.	1.8
293	296.0	7.611	35.107	3.99	0.70	27.416	0.402	1486.	1.8
294	296.9	7.601	35.107	3.99	0.70	27.417	0.402	1486.	1.8
296	298.0	7.593	35.106	3.99	0.70	27.418	0.403	1486.	1.7
297	299.1	7.586	35.105	4.01	0.70	27.418	0.404	1486.	1.7
297	300.0	7.580	35.106	4.02	0.71	27.420	0.405	1486.	1.6
298	300.9	7.573	35.104	4.02	0.70	27.420	0.405	1486.	1.6
300	302.1	7.561	35.104	4.03	0.70	27.421	0.406	1486.	1.6
300	303.0	7.553	35.104	4.01	0.70	27.422	0.407	1486.	1.6
302	304.2	7.549	35.103	4.04	0.71	27.422	0.407	1486.	1.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	48	14 NOV 1982	18.4	40 20.9 N	67 59.7 W	140

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.2	14.642	33.907	6.03	0.64	25.208	0.000	1504.	1.0
4	4.1	14.651	33.907	5.98	0.64	25.206	0.005	1504.	1.0
6	6.1	14.643	33.907	5.91	0.64	25.207	0.011	1504.	1.0
8	8.1	14.635	33.907	5.87	0.64	25.209	0.016	1504.	1.0
10	10.2	14.648	33.910	5.81	0.64	25.208	0.022	1504.	1.0
12	11.9	14.655	33.909	5.74	0.64	25.206	0.027	1504.	1.4
14	14.2	14.650	33.908	5.80	0.65	25.206	0.033	1505.	2.0
16	16.1	14.696	33.928	5.79	0.64	25.212	0.038	1505.	2.1
18	17.8	14.774	33.951	5.83	0.64	25.213	0.043	1505.	2.3
20	20.1	14.872	33.987	5.84	0.64	25.219	0.049	1505.	2.4
22	21.8	15.004	34.040	5.78	0.65	25.232	0.054	1506.	2.6
24	24.1	14.998	34.030	5.80	0.65	25.225	0.060	1506.	2.6
26	25.7	15.031	34.044	5.78	0.65	25.229	0.065	1506.	2.6
28	28.0	15.085	34.066	5.78	0.65	25.234	0.071	1506.	2.7
30	30.0	15.189	34.107	5.75	0.65	25.243	0.077	1507.	2.9
32	32.2	15.248	34.127	5.79	0.65	25.245	0.083	1507.	3.2
34	33.9	15.335	34.159	5.67	0.65	25.251	0.087	1507.	3.2
36	36.2	15.452	34.207	5.73	0.65	25.262	0.093	1508.	3.4
37	37.8	15.565	34.254	5.67	0.65	25.273	0.098	1508.	3.9
40	40.2	15.627	34.275	5.70	0.65	25.275	0.104	1508.	5.1
42	42.0	15.669	34.293	5.62	0.65	25.280	0.109	1509.	6.4
44	44.0	15.818	34.361	5.59	0.65	25.298	0.114	1509.	7.6
46	45.9	16.040	34.468	5.51	0.64	25.331	0.119	1510.	8.4
48	48.1	16.298	34.644	5.39	0.63	25.406	0.125	1511.	9.3
50	50.0	16.467	34.811	5.28	0.63	25.496	0.130	1512.	10.7
51	51.7	16.483	34.892	4.98	0.62	25.554	0.134	1512.	11.4
54	54.0	16.414	34.934	4.88	0.61	25.602	0.140	1512.	11.7
56	56.1	16.305	35.002	4.81	0.61	25.680	0.145	1512.	12.1
58	58.0	15.708	35.115	4.63	0.60	25.904	0.149	1510.	12.1
60	60.2	15.466	35.114	4.53	0.60	25.957	0.153	1509.	12.2
61	61.9	15.266	35.113	4.30	0.60	26.001	0.157	1509.	12.1
64	64.2	14.591	35.108	4.34	0.60	26.145	0.161	1507.	11.5
66	66.1	14.383	35.110	4.26	0.60	26.191	0.165	1506.	10.4
67	68.0	14.157	35.157	4.29	0.60	26.276	0.168	1505.	9.9
69	69.9	13.983	35.210	4.27	0.60	26.354	0.172	1505.	8.9
72	72.1	13.953	35.232	4.26	0.60	26.378	0.175	1505.	7.6
73	74.0	13.923	35.245	4.25	0.60	26.393	0.178	1505.	6.7
75	75.8	13.871	35.252	4.24	0.61	26.410	0.181	1505.	5.6
78	78.2	13.797	35.253	4.24	0.61	26.426	0.185	1504.	4.6
79	79.9	13.764	35.256	4.23	0.61	26.435	0.188	1504.	4.2
81	81.8	13.728	35.262	4.22	0.61	26.447	0.191	1504.	3.9
83	84.0	13.707	35.271	4.21	0.61	26.458	0.194	1504.	3.8
85	86.0	13.700	35.273	4.19	0.62	26.462	0.198	1504.	4.1
87	88.0	13.697	35.278	4.17	0.61	26.467	0.201	1504.	4.4
90	90.3	13.672	35.282	4.16	0.62	26.475	0.204	1504.	4.8
91	91.9	13.578	35.282	4.11	0.63	26.494	0.207	1504.	5.0
93	94.0	13.459	35.288	4.10	0.63	26.523	0.210	1504.	5.3
95	96.1	13.376	35.294	4.08	0.63	26.545	0.213	1503.	6.0
97	98.0	13.301	35.297	4.03	0.63	26.562	0.216	1503.	6.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	48	14 NOV 1982	18.4	40 20.9 N	67 59.7 W	140

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	100.0	13.263	35.297	4.03	0.63	26.571	0.219	1503.	6.6
101	101.9	13.185	35.303	4.03	0.63	26.591	0.222	1503.	6.7
103	104.0	12.866	35.315	4.06	0.64	26.664	0.225	1502.	6.7
105	106.1	12.841	35.342	4.03	0.64	26.691	0.228	1502.	6.7
107	107.8	12.783	35.358	3.98	0.64	26.715	0.230	1502.	6.4
109	110.2	12.675	35.355	3.95	0.65	26.734	0.233	1501.	5.8
111	111.8	12.625	35.355	3.90	0.65	26.744	0.236	1501.	5.0
113	114.0	12.449	35.338	3.89	0.65	26.765	0.238	1501.	4.5
115	116.3	12.415	35.346	3.88	0.65	26.778	0.241	1501.	4.0
117	117.9	12.334	35.332	3.87	0.66	26.783	0.243	1500.	3.6
119	120.2	12.216	35.310	3.87	0.67	26.789	0.246	1500.	3.4
121	121.9	12.203	35.308	3.84	0.68	26.790	0.248	1500.	3.2
123	124.0	12.189	35.314	3.84	0.68	26.797	0.251	1500.	3.2
125	126.1	12.217	35.326	3.84	0.67	26.801	0.254	1500.	3.4
127	127.9	12.166	35.325	3.84	0.67	26.810	0.256	1500.	3.7
129	130.1	12.005	35.305	3.84	0.68	26.825	0.259	1499.	3.9
130	131.2	11.976	35.299	3.82	0.68	26.826	0.260	1499.	4.2
131	132.0	11.944	35.302	3.80	0.68	26.835	0.261	1499.	4.4
132	133.0	11.914	35.302	3.80	0.69	26.841	0.263	1499.	4.4
133	134.0	11.880	35.302	3.80	0.69	26.847	0.264	1499.	4.4
134	134.9	11.847	35.303	3.77	0.69	26.854	0.265	1499.	4.3
135	136.0	11.817	35.304	3.77	0.69	26.861	0.266	1499.	4.0
136	137.1	11.799	35.305	3.77	0.69	26.865	0.267	1499.	3.6
137	137.9	11.779	35.304	3.76	0.70	26.868	0.269	1499.	3.2
138	139.0	11.767	35.306	3.76	0.70	26.872	0.270	1499.	2.8
139	140.0	11.770	35.307	3.78	0.69	26.872	0.271	1499.	2.4
140	140.9	11.765	35.306	3.77	0.70	26.873	0.272	1499.	2.4
141	142.0	11.756	35.306	3.75	0.70	26.874	0.273	1499.	2.4
142	143.0	11.747	35.307	3.77	0.71	26.876	0.275	1499.	2.4
143	144.0	11.749	35.307	3.77	0.70	26.876	0.276	1499.	2.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	49	14 NOV 1982	19.4	40 24.5 N	67 59.9 W	145

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.8	12.542	33.148	6.05	0.74	25.048	0.000	1496.	-0.4
4	4.1	12.542	33.147	6.30	0.74	25.047	0.004	1497.	-0.4
6	5.9	12.542	33.146	6.31	0.75	25.047	0.009	1497.	-0.4
8	8.0	12.543	33.146	6.36	0.74	25.047	0.015	1497.	-0.4
10	10.3	12.541	33.145	6.33	0.74	25.046	0.022	1497.	-0.4
12	11.9	12.532	33.142	6.25	0.75	25.046	0.026	1497.	0.3
14	14.0	12.533	33.143	6.31	0.74	25.046	0.032	1497.	0.3
16	16.1	12.532	33.143	6.32	0.74	25.047	0.038	1497.	0.4
18	17.9	12.530	33.143	6.21	0.75	25.047	0.044	1497.	0.5
20	20.0	12.523	33.142	6.20	0.75	25.048	0.050	1497.	0.6
22	22.1	12.527	33.141	6.29	0.75	25.046	0.056	1497.	0.5
24	24.0	12.526	33.141	6.25	0.75	25.046	0.062	1497.	0.8
26	25.9	12.527	33.143	6.21	0.75	25.047	0.067	1497.	1.5
28	28.1	12.524	33.143	6.27	0.75	25.048	0.073	1497.	2.3
30	30.1	12.524	33.143	6.23	0.75	25.048	0.079	1497.	2.9
32	31.9	12.543	33.152	6.16	0.75	25.051	0.084	1497.	3.7
34	34.0	12.613	33.187	6.21	0.74	25.064	0.091	1497.	4.4
36	36.1	12.727	33.239	6.17	0.72	25.083	0.097	1498.	5.2
38	37.8	12.817	33.272	6.04	0.71	25.091	0.102	1498.	6.8
40	40.0	13.031	33.363	6.09	0.70	25.119	0.108	1499.	7.4
41	41.8	13.213	33.442	6.09	0.69	25.145	0.113	1500.	8.3
44	44.0	13.848	33.668	5.91	0.68	25.190	0.119	1502.	9.6
46	46.1	15.584	34.331	5.63	0.65	25.328	0.125	1508.	10.6
48	47.9	15.998	34.436	5.38	0.64	25.315	0.129	1510.	11.2
50	50.2	16.894	34.843	5.22	0.62	25.420	0.135	1513.	11.3
51	51.8	16.671	34.965	4.98	0.61	25.566	0.140	1513.	11.2
54	54.0	15.937	34.884	4.82	0.60	25.673	0.145	1510.	10.7
56	56.0	15.140	34.687	4.76	0.61	25.701	0.149	1508.	10.3
57	58.0	14.379	34.536	4.77	0.61	25.749	0.154	1505.	9.3
60	60.1	13.542	34.378	4.87	0.61	25.802	0.159	1502.	8.1
61	62.0	14.249	34.627	4.76	0.63	25.847	0.163	1505.	7.4
64	64.3	15.241	34.957	4.69	0.61	25.886	0.168	1508.	7.6
65	65.8	15.815	35.132	4.57	0.60	25.893	0.171	1510.	7.7
68	68.1	15.730	35.135	4.62	0.60	25.914	0.176	1510.	7.9
70	70.1	13.853	34.635	4.73	0.61	25.936	0.180	1504.	7.9
71	71.9	12.537	34.423	4.73	0.62	26.038	0.184	1499.	8.4
74	74.2	13.352	34.699	4.62	0.62	26.090	0.188	1502.	8.7
75	76.0	13.538	34.782	4.62	0.62	26.115	0.191	1503.	8.7
77	77.8	13.790	34.873	4.62	0.62	26.133	0.195	1504.	8.4
80	80.2	14.162	35.090	4.59	0.61	26.223	0.199	1505.	7.7
81	81.9	14.361	35.187	4.50	0.61	26.256	0.202	1506.	7.2
83	83.9	14.537	35.268	4.40	0.61	26.280	0.206	1507.	6.7
85	86.0	14.555	35.308	4.37	0.61	26.307	0.210	1507.	6.1
87	88.0	14.529	35.318	4.32	0.62	26.321	0.213	1507.	5.4
89	90.1	14.515	35.319	4.29	0.62	26.325	0.217	1507.	5.4
91	91.9	14.498	35.327	4.27	0.62	26.334	0.220	1507.	5.4
93	94.1	14.399	35.340	4.22	0.62	26.365	0.224	1507.	5.5
95	95.9	14.248	35.332	4.20	0.62	26.392	0.226	1506.	5.8
97	98.0	14.088	35.319	4.20	0.62	26.416	0.230	1506.	6.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	49	14 NOV 1982	19.4	40 24.5 N	67 59.9 W	145

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	100.3	13.951	35.305	4.18	0.63	26.434	0.234	1505.	6.3
100	101.2	13.901	35.300	4.16	0.63	26.441	0.235	1505.	6.2
101	101.9	13.833	35.303	4.17	0.63	26.457	0.236	1505.	6.0
102	102.9	13.732	35.306	4.18	0.63	26.481	0.238	1505.	6.1
103	104.0	13.703	35.307	4.22	0.63	26.488	0.239	1505.	6.8
104	105.0	13.678	35.309	4.34	0.63	26.494	0.241	1505.	7.1
105	106.0	13.656	35.305	4.30	0.64	26.496	0.243	1504.	7.3
106	107.0	13.538	35.307	4.29	0.64	26.521	0.244	1504.	7.5
107	108.0	13.380	35.321	4.30	0.64	26.565	0.246	1504.	7.9
108	109.0	13.345	35.322	4.29	0.65	26.573	0.247	1504.	8.3
109	109.9	13.258	35.323	4.29	0.65	26.591	0.249	1503.	8.3
110	111.0	13.168	35.322	4.29	0.65	26.609	0.250	1503.	8.3
111	112.1	13.058	35.326	4.29	0.65	26.635	0.252	1503.	8.3
112	113.0	12.946	35.339	4.23	0.65	26.667	0.253	1502.	8.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	50	14 NOV 1982	20.5	40 28.4 N	68 00.4 W	132

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.3	11.107	32.721	6.32	0.75	24.982	0.000	1491.	0.6
4	4.0	11.107	32.721	6.29	0.75	24.983	0.005	1491.	0.6
6	6.1	11.108	32.721	6.28	0.75	24.982	0.011	1491.	0.6
8	7.8	11.107	32.721	6.32	0.76	24.983	0.016	1491.	0.6
10	10.0	11.108	32.721	6.27	0.76	24.983	0.023	1491.	0.6
12	12.1	11.104	32.721	6.28	0.76	24.984	0.029	1491.	0.6
14	13.9	11.102	32.721	6.30	0.77	24.984	0.034	1491.	0.6
16	16.0	11.098	32.721	6.29	0.77	24.984	0.041	1491.	0.5
18	18.2	11.101	32.721	6.31	0.77	24.984	0.047	1491.	0.4
20	20.0	11.103	32.721	6.30	0.78	24.983	0.053	1491.	0.1
22	22.0	11.099	32.721	6.30	0.78	24.984	0.059	1491.	-0.1
24	23.9	11.102	32.720	6.30	0.78	24.983	0.064	1491.	0.2
26	26.1	11.095	32.719	6.26	0.79	24.984	0.071	1491.	0.4
28	28.0	11.096	32.719	6.30	0.79	24.983	0.076	1491.	0.7
30	29.9	11.092	32.718	6.26	0.79	24.983	0.082	1491.	0.8
32	32.1	11.084	32.717	6.26	0.78	24.984	0.089	1491.	1.0
34	33.8	11.074	32.716	6.26	0.79	24.985	0.094	1491.	1.6
36	35.8	11.040	32.710	6.31	0.79	24.986	0.099	1491.	2.6
38	37.9	11.022	32.706	6.30	0.78	24.986	0.106	1491.	3.7
40	40.1	11.005	32.705	6.37	0.77	24.989	0.112	1491.	6.2
42	42.0	10.963	32.713	6.35	0.75	25.002	0.118	1491.	8.6
44	44.0	10.904	32.736	6.27	0.74	25.030	0.124	1491.	10.2
46	46.2	10.806	32.767	6.12	0.71	25.071	0.130	1491.	11.0
47	47.8	10.489	32.935	5.97	0.68	25.258	0.135	1490.	11.2
50	50.0	10.191	33.113	5.87	0.65	25.447	0.140	1489.	10.7
52	52.0	10.170	33.150	5.79	0.65	25.479	0.145	1489.	9.9
54	54.1	10.187	33.165	5.78	0.65	25.488	0.151	1489.	8.7
55	55.9	10.186	33.169	5.66	0.65	25.491	0.155	1489.	8.7
58	58.1	10.179	33.168	5.65	0.64	25.492	0.161	1489.	9.5
59	59.8	10.126	33.177	5.55	0.65	25.508	0.165	1489.	10.8
61	62.0	9.945	33.224	5.38	0.64	25.575	0.170	1488.	11.5
63	64.0	9.708	33.535	5.36	0.64	25.857	0.175	1488.	11.9
65	66.0	10.043	33.759	5.24	0.64	25.976	0.179	1490.	11.8
67	67.9	10.189	33.838	5.13	0.63	26.013	0.183	1490.	11.0
69	70.0	10.200	33.864	5.03	0.63	26.032	0.187	1490.	9.7
71	71.9	10.417	33.979	4.91	0.64	26.084	0.191	1491.	8.0
73	74.0	10.649	34.073	4.85	0.64	26.116	0.195	1492.	7.4
75	76.0	10.782	34.126	4.83	0.64	26.134	0.198	1493.	7.2
77	78.0	11.073	34.253	4.73	0.64	26.181	0.202	1494.	6.9
79	80.1	11.444	34.419	4.65	0.64	26.242	0.206	1496.	6.5
82	82.2	11.557	34.448	4.63	0.65	26.244	0.210	1496.	6.0
83	83.9	11.597	34.473	4.58	0.65	26.256	0.213	1496.	5.6
85	86.1	11.695	34.523	4.55	0.65	26.277	0.217	1497.	5.0
87	88.0	11.787	34.562	4.56	0.65	26.290	0.220	1497.	4.7
89	89.9	11.840	34.584	4.52	0.65	26.297	0.223	1497.	5.0
91	92.0	11.911	34.620	4.48	0.64	26.311	0.227	1498.	5.3
93	94.1	12.119	34.700	4.47	0.64	26.334	0.230	1498.	5.6
95	95.9	12.198	34.739	4.45	0.65	26.349	0.234	1499.	5.9
97	98.0	12.280	34.802	4.40	0.65	26.382	0.237	1499.	5.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	50	14 NOV 1982	20.5	40 28.4 N	68 00.4 W	132

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	100.0	12.416	34.875	4.33	0.65	26.413	0.240	1500.	5.8
101	102.0	12.596	34.949	4.32	0.65	26.434	0.244	1500.	5.4
103	103.9	12.625	34.980	4.28	0.65	26.452	0.247	1501.	5.0
105	106.2	12.617	34.989	4.27	0.65	26.461	0.250	1501.	4.5
107	107.7	12.650	35.002	4.28	0.66	26.465	0.253	1501.	4.2
109	110.0	12.624	35.005	4.25	0.65	26.472	0.256	1501.	3.9
110	111.3	12.606	35.010	4.26	0.66	26.480	0.258	1501.	3.7
111	112.0	12.599	35.016	4.28	0.66	26.486	0.259	1501.	3.6
112	113.0	12.591	35.027	4.25	0.67	26.496	0.261	1501.	3.5
113	114.0	12.591	35.027	4.24	0.67	26.496	0.263	1501.	3.2
114	115.0	12.591	35.026	4.24	0.66	26.495	0.264	1501.	2.7
115	116.0	12.587	35.025	4.27	0.67	26.495	0.266	1501.	2.4
116	117.0	12.584	35.029	4.22	0.68	26.499	0.267	1501.	2.6
117	118.0	12.581	35.031	4.20	0.67	26.501	0.269	1501.	4.1
118	119.0	12.580	35.031	4.18	0.67	26.501	0.270	1501.	6.6
119	120.0	12.576	35.035	4.19	0.67	26.505	0.272	1501.	8.5
120	121.0	12.573	35.048	4.14	0.68	26.516	0.273	1501.	9.6
121	122.0	12.554	35.093	4.07	0.68	26.554	0.275	1501.	10.2
122	123.0	12.471	35.190	4.04	0.68	26.646	0.276	1501.	10.2
123	123.9	12.415	35.242	4.02	0.69	26.697	0.278	1501.	9.8
124	125.0	12.405	35.252	4.00	0.69	26.707	0.279	1501.	9.8
125	126.0	12.404	35.253	4.00	0.69	26.708	0.281	1501.	9.8
126	127.0	12.404	35.254	4.00	0.70	26.709	0.282	1501.	9.8
127	127.6	12.408	35.252	4.07	0.70	26.706	0.283	1501.	9.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	51	14 NOV 1982	21.1	40 32.6 N	68 00.7 W	101

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.3	10.938	32.667	6.32	0.65	24.971	0.000	1490.	-0.4
4	4.0	10.944	32.667	6.25	0.66	24.970	0.005	1490.	-0.4
6	5.9	10.942	32.667	6.32	0.67	24.970	0.011	1490.	-0.4
8	7.9	10.940	32.667	6.36	0.67	24.970	0.017	1490.	-0.4
10	10.0	10.943	32.667	6.34	0.67	24.970	0.023	1491.	-0.4
12	12.3	10.944	32.667	6.36	0.67	24.969	0.030	1491.	-0.2
14	13.8	10.944	32.667	6.35	0.68	24.969	0.034	1491.	-0.1
16	16.0	10.943	32.667	6.34	0.67	24.969	0.041	1491.	0.2
18	18.1	10.943	32.666	6.38	0.68	24.969	0.047	1491.	-0.2
20	20.0	10.941	32.666	6.38	0.69	24.970	0.053	1491.	-0.2
22	22.0	10.942	32.667	6.36	0.69	24.970	0.059	1491.	-0.3
24	24.2	10.943	32.667	6.34	0.69	24.970	0.065	1491.	-0.4
26	25.7	10.947	32.666	6.35	0.70	24.968	0.070	1491.	-0.3
28	27.9	10.948	32.667	6.34	0.69	24.969	0.076	1491.	-0.3
30	30.4	10.947	32.667	6.34	0.69	24.969	0.084	1491.	-0.3
32	31.8	10.948	32.667	6.36	0.70	24.969	0.088	1491.	0.2
34	34.0	10.947	32.667	6.36	0.70	24.969	0.094	1491.	0.3
36	36.1	10.948	32.667	6.37	0.70	24.969	0.101	1491.	0.3
38	37.9	10.948	32.667	6.42	0.71	24.969	0.106	1491.	0.9
40	40.0	10.948	32.667	6.45	0.71	24.969	0.112	1491.	2.0
42	42.1	10.948	32.667	6.48	0.71	24.969	0.119	1491.	3.1
44	44.0	10.948	32.667	6.50	0.71	24.969	0.124	1491.	4.4
46	45.9	10.940	32.674	6.47	0.71	24.976	0.130	1491.	6.6
48	48.0	10.904	32.701	6.38	0.68	25.003	0.136	1491.	8.3
50	50.2	10.852	32.722	6.27	0.68	25.029	0.143	1491.	9.6
51	51.8	10.746	32.771	6.04	0.68	25.085	0.147	1491.	10.4
54	54.0	10.505	32.936	5.89	0.66	25.255	0.153	1490.	10.6
56	56.2	10.440	33.035	5.82	0.66	25.344	0.159	1490.	10.3
57	57.8	10.447	33.107	5.69	0.67	25.399	0.164	1490.	9.7
60	60.0	10.432	33.176	5.58	0.68	25.455	0.169	1490.	8.6
62	62.0	10.436	33.184	5.51	0.67	25.460	0.174	1490.	7.2
63	64.0	10.437	33.199	5.47	0.68	25.472	0.179	1490.	6.6
65	66.0	10.441	33.229	5.44	0.68	25.495	0.184	1490.	6.5
67	67.9	10.450	33.273	5.40	0.68	25.527	0.189	1490.	6.7
70	70.2	10.462	33.318	5.39	0.68	25.561	0.194	1491.	6.9
71	72.0	10.458	33.363	5.37	0.68	25.596	0.199	1491.	6.9
73	74.0	10.442	33.412	5.34	0.68	25.637	0.204	1491.	6.6
75	76.0	10.483	33.458	5.31	0.68	25.666	0.208	1491.	6.2
78	78.2	10.541	33.492	5.28	0.68	25.682	0.213	1491.	5.8
79	80.0	10.584	33.520	5.24	0.69	25.697	0.217	1491.	5.6
81	82.1	10.619	33.538	5.21	0.68	25.705	0.222	1492.	5.7
83	84.1	10.682	33.581	5.21	0.69	25.727	0.227	1492.	6.1
85	85.9	10.705	33.604	5.19	0.69	25.741	0.231	1492.	6.7
87	88.1	10.768	33.668	5.15	0.69	25.780	0.236	1492.	7.0
89	90.0	10.849	33.748	5.11	0.70	25.828	0.240	1493.	7.8
91	91.9	10.911	33.808	5.09	0.70	25.864	0.244	1493.	7.8
93	94.0	10.983	33.877	5.06	0.70	25.904	0.249	1493.	7.8
95	95.9	11.003	33.896	5.03	0.70	25.916	0.253	1494.	7.8
97	97.8	11.218	34.093	4.98	0.70	26.031	0.257	1495.	7.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	52	14 NOV 1982	21.9	40 34.1 N	68 07.9 W	97

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	1.8	11.104	32.752	6.18	0.66	25.007	0.000	1491.	-0.4
4	3.9	11.100	32.751	6.16	0.66	25.008	0.006	1491.	-0.4
6	6.0	11.101	32.751	6.15	0.67	25.007	0.012	1491.	-0.4
8	8.1	11.101	32.752	6.16	0.67	25.008	0.018	1491.	-0.4
10	9.9	11.101	32.751	6.17	0.67	25.007	0.024	1491.	-0.4
12	12.1	11.101	32.751	6.19	0.68	25.007	0.030	1491.	-0.5
14	14.0	11.104	32.751	6.21	0.68	25.007	0.036	1491.	-0.5
16	16.0	11.108	32.752	6.23	0.68	25.006	0.042	1491.	-0.3
18	18.0	11.110	32.752	6.23	0.68	25.006	0.047	1491.	0.6
20	20.0	11.111	32.752	6.27	0.69	25.006	0.054	1491.	1.1
22	22.0	11.117	32.754	6.29	0.69	25.006	0.059	1491.	1.6
24	24.0	11.116	32.754	6.28	0.69	25.007	0.065	1491.	2.2
26	26.2	11.109	32.757	6.28	0.70	25.010	0.072	1491.	2.9
28	27.9	11.104	32.762	6.28	0.70	25.015	0.077	1491.	3.5
30	30.1	11.098	32.768	6.25	0.69	25.021	0.083	1492.	4.2
32	32.0	11.080	32.781	6.20	0.69	25.034	0.089	1491.	4.6
34	34.1	11.050	32.803	6.18	0.68	25.057	0.095	1491.	5.0
36	35.9	11.003	32.810	6.15	0.68	25.071	0.100	1491.	5.3
38	38.0	10.927	32.825	6.09	0.68	25.096	0.106	1491.	5.4
40	40.2	10.874	32.830	6.08	0.68	25.109	0.112	1491.	5.5
42	41.9	10.820	32.843	6.05	0.68	25.128	0.117	1491.	5.7
44	43.9	10.766	32.859	5.99	0.68	25.150	0.123	1491.	6.0
46	46.0	10.726	32.865	5.95	0.67	25.162	0.129	1491.	6.5
47	47.8	10.676	32.893	5.91	0.68	25.193	0.134	1490.	7.1
50	50.0	10.614	32.927	5.83	0.67	25.230	0.140	1490.	7.3
52	52.0	10.576	32.956	5.76	0.67	25.258	0.145	1490.	7.4
54	54.1	10.516	33.023	5.70	0.67	25.321	0.151	1490.	7.6
55	55.9	10.481	33.074	5.64	0.67	25.367	0.156	1490.	7.7
58	58.0	10.480	33.092	5.56	0.67	25.381	0.161	1490.	7.8
60	60.0	10.490	33.114	5.47	0.67	25.396	0.166	1490.	7.8
61	61.9	10.482	33.182	5.43	0.68	25.451	0.171	1490.	7.8
64	64.0	10.458	33.256	5.36	0.67	25.513	0.176	1490.	7.6
66	66.2	10.435	33.300	5.34	0.67	25.551	0.182	1490.	7.5
67	67.9	10.422	33.332	5.31	0.67	25.578	0.186	1490.	6.9
69	70.0	10.414	33.384	5.26	0.67	25.621	0.191	1490.	6.0
72	72.2	10.429	33.401	5.25	0.67	25.631	0.196	1491.	5.0
73	73.9	10.440	33.410	5.22	0.67	25.636	0.200	1491.	4.2
76	76.1	10.450	33.418	5.18	0.68	25.641	0.205	1491.	3.4
77	77.9	10.453	33.422	5.20	0.68	25.643	0.210	1491.	2.5
79	80.1	10.456	33.423	5.19	0.68	25.644	0.215	1491.	2.4
81	81.2	10.463	33.430	5.17	0.68	25.647	0.217	1491.	2.4
81	82.0	10.465	33.431	5.18	0.68	25.648	0.219	1491.	3.1
82	83.0	10.470	33.436	5.16	0.69	25.651	0.221	1491.	3.9
83	84.0	10.483	33.446	5.15	0.68	25.657	0.224	1491.	4.8
84	85.1	10.482	33.448	5.15	0.69	25.658	0.226	1491.	5.4
85	85.9	10.507	33.479	5.12	0.69	25.678	0.228	1491.	5.8
86	87.0	10.522	33.496	5.10	0.69	25.689	0.231	1491.	6.5
87	88.1	10.541	33.520	5.10	0.69	25.704	0.233	1491.	7.2
88	88.9	10.560	33.541	5.11	0.71	25.717	0.235	1492.	7.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	52	14 NOV 1982	21.9	40 34.1 N	68 07.9 W	97

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
89	90.0	10.568	33.553	5.07	0.71	25.725	0.238	1492.	8.5
90	91.0	10.613	33.613	5.07	0.72	25.764	0.240	1492.	9.1
91	92.1	10.645	33.659	5.06	0.72	25.794	0.242	1492.	9.1
92	93.0	10.660	33.689	5.05	0.73	25.815	0.244	1492.	9.1
93	94.0	10.712	33.773	5.05	0.75	25.872	0.247	1492.	9.1
94	94.7	10.724	33.797	5.05	0.76	25.888	0.248	1492.	9.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	53	14 NOV 1982	22.6	40 30.8 N	68 14.7 W	101

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
1	1.0	10.866	32.689	6.22	0.71	25.000	0.000	1490.	-0.7
2	1.8	10.870	32.689	6.21	0.71	24.999	0.003	1490.	-0.7
4	4.1	10.867	32.689	6.22	0.71	25.000	0.009	1490.	-0.7
6	5.9	10.868	32.689	6.24	0.71	25.000	0.015	1490.	-0.7
8	7.7	10.867	32.689	6.26	0.72	25.000	0.020	1490.	-0.7
10	10.0	10.870	32.689	6.27	0.71	24.999	0.027	1490.	-0.7
12	11.9	10.878	32.689	6.27	0.72	24.998	0.032	1490.	-0.7
14	14.1	10.881	32.689	6.27	0.73	24.998	0.039	1490.	-0.6
16	15.8	10.880	32.689	6.25	0.73	24.998	0.044	1490.	-0.5
18	18.2	10.880	32.689	6.27	0.73	24.998	0.051	1490.	-0.3
20	19.8	10.882	32.689	6.28	0.73	24.998	0.056	1490.	0.3
22	22.1	10.884	32.690	6.29	0.73	24.998	0.062	1491.	0.4
24	23.9	10.885	32.690	6.31	0.74	24.998	0.068	1491.	0.5
26	26.2	10.886	32.690	6.37	0.74	24.998	0.074	1491.	0.8
28	27.8	10.887	32.691	6.41	0.74	24.998	0.079	1491.	1.8
30	30.1	10.889	32.692	6.42	0.73	24.998	0.086	1491.	3.6
32	31.9	10.890	32.693	6.41	0.74	24.999	0.091	1491.	5.7
34	33.9	10.890	32.697	6.35	0.74	25.002	0.097	1491.	7.3
36	36.0	10.887	32.722	6.20	0.69	25.023	0.103	1491.	8.4
38	38.0	10.781	32.797	6.11	0.67	25.099	0.109	1491.	9.2
40	40.2	10.604	32.904	6.04	0.67	25.213	0.115	1490.	9.8
42	42.0	10.530	32.979	5.87	0.66	25.285	0.120	1490.	10.1
44	44.0	10.474	33.012	5.79	0.66	25.320	0.126	1490.	9.9
46	46.3	10.403	33.069	5.68	0.65	25.376	0.132	1490.	9.3
48	47.9	10.375	33.156	5.56	0.66	25.449	0.136	1490.	8.5
50	50.1	10.350	33.202	5.50	0.66	25.490	0.141	1490.	8.2
51	51.9	10.339	33.230	5.44	0.66	25.513	0.146	1490.	8.0
54	54.1	10.337	33.284	5.38	0.66	25.556	0.151	1490.	7.6
55	55.9	10.346	33.308	5.33	0.67	25.573	0.156	1490.	7.2
58	58.0	10.399	33.386	5.28	0.68	25.624	0.160	1490.	7.1
60	60.0	10.430	33.432	5.24	0.67	25.655	0.165	1490.	7.0
62	62.0	10.445	33.467	5.22	0.68	25.680	0.170	1491.	6.7
63	64.0	10.462	33.515	5.20	0.68	25.714	0.174	1491.	6.4
66	66.2	10.487	33.553	5.18	0.68	25.740	0.179	1491.	6.0
67	67.9	10.503	33.583	5.15	0.68	25.760	0.183	1491.	5.8
70	70.1	10.498	33.600	5.14	0.68	25.774	0.188	1491.	5.6
71	72.0	10.495	33.614	5.12	0.69	25.786	0.192	1491.	5.1
73	74.0	10.507	33.652	5.09	0.69	25.813	0.197	1491.	4.8
75	76.0	10.519	33.680	5.08	0.69	25.833	0.201	1491.	4.5
77	78.1	10.529	33.693	5.09	0.70	25.841	0.206	1491.	4.2
79	80.0	10.524	33.691	5.09	0.71	25.840	0.210	1491.	3.7
81	81.2	10.525	33.692	5.08	0.70	25.842	0.212	1491.	2.8
81	82.0	10.527	33.695	5.09	0.70	25.843	0.214	1491.	2.0
82	83.0	10.532	33.701	5.11	0.70	25.847	0.216	1492.	1.7
83	83.9	10.530	33.699	5.12	0.71	25.845	0.218	1492.	1.8
84	85.0	10.531	33.701	5.14	0.71	25.847	0.221	1492.	2.3
85	86.0	10.530	33.700	5.13	0.72	25.847	0.223	1492.	3.3
86	87.0	10.532	33.702	5.12	0.72	25.848	0.225	1492.	4.2
87	88.0	10.532	33.704	5.11	0.71	25.849	0.227	1492.	4.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	53	14 NOV 1982	22.6	40 30.8 N	68 14.7 W	101

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
88	89.0	10.543	33.721	5.10	0.71	25.861	0.229	1492.	5.4
89	90.0	10.569	33.756	5.09	0.72	25.883	0.231	1492.	5.7
90	91.1	10.583	33.773	5.07	0.73	25.894	0.234	1492.	5.7
91	91.9	10.594	33.786	5.03	0.74	25.902	0.236	1492.	5.9
92	93.0	10.605	33.801	4.97	0.74	25.912	0.238	1492.	6.8
93	94.0	10.612	33.809	4.94	0.74	25.917	0.240	1492.	8.1
94	95.0	10.617	33.816	4.88	0.75	25.922	0.242	1492.	10.3
95	96.0	10.646	33.855	4.85	0.75	25.947	0.244	1492.	13.8
96	97.1	10.699	33.956	4.81	0.75	26.016	0.246	1493.	13.8
97	98.0	10.766	34.053	4.73	0.76	26.080	0.248	1493.	13.8
98	99.1	10.869	34.241	4.68	0.77	26.208	0.250	1494.	13.8
99	99.8	11.109	34.666	4.22	0.81	26.496	0.251	1495.	13.8

STA 54 DAY: 14 TIME: 2245

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.3	10.9	56.8	10.2	93.0	11.2
0.6	10.9	57.2	10.2	94.1	11.2
2.7	10.8	57.7	10.3	94.9	11.2
4.9	10.9	58.2	10.3	96.0	11.2
7.0	10.8	59.2	10.3	96.8	11.2
9.9	10.8	59.8	10.3	97.6	11.2
11.5	10.8	60.5	10.3	98.1	11.2
13.4	10.8	61.2	10.3	98.9	11.3
15.4	10.8	61.4	10.3	99.3	11.3
17.7	10.9	62.0	10.3	99.5	11.3
18.9	10.9	62.9	10.3	100.3	11.3
20.8	10.8	63.7	10.3	100.8	11.3
22.2	10.8	64.1	10.3	100.9	11.3
24.7	10.8	64.5	10.3	101.2	11.2
27.1	10.8	65.0	10.4	101.7	11.2
29.1	10.8	65.4	10.4	102.3	11.2
30.8	10.8	65.9	10.4	103.0	11.1
32.8	10.8	66.3	10.5	103.5	11.1
34.8	10.8	67.3	10.5	104.0	11.1
36.7	10.9	68.4	10.5	104.6	11.1
37.9	10.8	69.5	10.5	105.0	11.0
39.1	10.8	70.6	10.5	105.3	11.0
40.1	10.8	72.1	10.6	107.2	11.0
40.8	10.8	73.4	10.6	107.7	10.9
41.2	10.8	74.3	10.6	108.0	10.9
41.7	10.7	74.7	10.6	108.6	10.9
42.0	10.6	75.6	10.6	109.9	10.9
42.4	10.6	76.0	10.7	112.0	10.9
43.2	10.6	76.5	10.7	114.3	10.9
43.3	10.6	77.0	10.8	116.8	10.9
43.8	10.5	77.3	10.8	118.4	10.9
45.6	10.5	77.7	10.8	120.3	10.9
46.5	10.5	78.9	10.8	122.9	10.9
47.8	10.5	79.5	10.9	124.5	10.9
48.7	10.5	80.4	10.9	126.7	10.9
49.5	10.5	80.7	10.9	129.3	10.9
50.1	10.4	81.1	11.0	131.4	10.9
50.8	10.4	81.6	11.0	132.8	10.9
51.8	10.4	82.4	11.0	134.3	10.9
52.5	10.4	83.6	11.1	135.8	10.9
53.0	10.4	84.7	11.1	137.1	10.9
53.4	10.3	85.4	11.1	138.2	11.0
53.7	10.2	85.3	11.1	139.2	11.0
53.9	10.2	86.4	11.1		
54.1	10.1	87.3	11.1		
54.4	10.1	88.2	11.2		
55.0	10.1	89.2	11.2		
55.1	10.1	90.1	11.2		
55.7	10.1	90.9	11.2		
56.3	10.2	92.0	11.2		

STA 55 DAY: 14 TIME: 2302

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.6	10.9	60.8	9.8	88.2	12.2	131.4	10.9
0.8	10.9	61.2	9.9	88.9	12.2	132.0	10.9
1.5	10.8	61.4	9.9	89.4	12.2	133.6	10.9
1.9	10.8	61.7	10.0	89.8	12.1	135.0	10.9
3.5	10.8	61.8	10.1	90.2	12.0	136.6	10.9
5.5	10.8	62.0	10.1	90.4	12.0	137.7	10.9
7.3	10.8	62.1	10.2	90.6	11.9	138.3	10.9
8.9	10.8	62.6	10.2	90.9	11.9	138.9	10.8
10.7	10.8	63.9	10.2	91.2	11.8	140.0	10.8
12.4	10.8	65.1	10.3	91.5	11.8	141.0	10.8
14.7	10.8	66.5	10.3	91.7	11.8		
17.1	10.8	68.2	10.3	92.7	11.7		
18.2	10.8	69.6	10.3	93.9	11.7		
19.8	10.8	70.8	10.3	94.4	11.6		
21.8	10.8	71.8	10.3	94.9	11.6		
23.8	10.8	72.4	10.3	95.8	11.6		
25.9	10.8	73.2	10.3	96.7	11.5		
28.8	10.8	73.7	10.4	97.3	11.5		
30.5	10.8	74.1	10.5	98.1	11.5		
32.3	10.8	74.2	10.6	99.7	11.4		
33.9	10.8	74.7	10.7	100.4	11.4		
35.2	10.8	75.0	10.8	101.2	11.4		
37.2	10.8	75.5	10.9	102.5	11.4		
38.7	10.8	76.1	10.9	103.7	11.4		
39.6	10.7	76.5	11.0	104.3	11.3		
40.4	10.7	77.3	11.1	104.5	11.3		
40.9	10.6	77.4	11.2	105.6	11.3		
42.0	10.6	78.0	11.2	106.8	11.3		
43.5	10.6	78.1	11.3	108.2	11.3		
44.1	10.5	78.4	11.4	109.2	11.3		
44.5	10.5	79.1	11.4	110.4	11.3		
45.5	10.4	79.5	11.5	111.3	11.3		
46.7	10.4	79.6	11.6	112.7	11.3		
48.3	10.4	80.2	11.6	113.6	11.3		
49.2	10.3	80.4	11.6	114.5	11.2		
49.9	10.3	81.1	11.6	115.7	11.2		
50.9	10.3	81.5	11.6	117.3	11.2		
52.0	10.2	81.7	11.6	118.9	11.2		
53.1	10.2	82.1	11.6	120.7	11.2		
53.5	10.2	82.7	11.6	121.6	11.2		
54.0	10.1	83.4	11.7	124.1	11.2		
54.3	10.0	83.9	11.8	125.5	11.2		
55.0	10.0	84.3	11.8	126.6	11.2		
55.3	9.9	84.6	11.9	127.3	11.2		
55.7	9.9	84.9	12.0	128.2	11.2		
56.2	9.8	85.0	12.1	129.0	11.1		
57.3	9.8	85.3	12.1	129.7	11.1		
57.8	9.8	86.3	12.1	130.2	11.1		
59.0	9.8	86.8	12.1	130.6	11.0		
59.9	9.8	87.7	12.1	130.9	11.0		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	56	14 NOV 1982	23.2	40 29.4 N	68 11.0 W	226

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.3	10.882	32.673	6.09	0.74	24.985	0.000	1490.	-0.5
4	4.1	10.883	32.673	6.12	0.75	24.985	0.005	1490.	-0.5
6	6.0	10.886	32.673	6.20	0.75	24.984	0.011	1490.	-0.5
8	7.9	10.887	32.673	6.24	0.74	24.984	0.017	1490.	-0.5
10	10.1	10.889	32.673	6.28	0.75	24.984	0.023	1490.	-0.5
12	11.8	10.891	32.673	6.30	0.75	24.984	0.028	1490.	-0.4
14	14.0	10.893	32.673	6.27	0.74	24.983	0.035	1490.	-0.4
16	16.0	10.890	32.673	6.27	0.75	24.983	0.041	1490.	-0.3
18	18.3	10.889	32.673	6.25	0.75	24.984	0.048	1490.	0.1
20	19.8	10.890	32.673	6.20	0.75	24.984	0.052	1490.	0.3
22	22.0	10.894	32.673	6.19	0.75	24.983	0.059	1491.	0.2
24	24.1	10.898	32.674	6.23	0.75	24.983	0.065	1491.	-0.1
26	26.0	10.899	32.675	6.21	0.76	24.984	0.070	1491.	-0.1
28	27.9	10.900	32.675	6.15	0.76	24.983	0.076	1491.	-0.1
30	30.0	10.899	32.674	6.17	0.76	24.983	0.082	1491.	0.2
32	32.1	10.898	32.674	6.24	0.77	24.983	0.088	1491.	0.1
34	34.0	10.896	32.673	6.17	0.77	24.983	0.094	1491.	0.6
36	36.0	10.895	32.673	6.18	0.77	24.983	0.100	1491.	1.2
38	38.1	10.897	32.674	6.23	0.77	24.983	0.106	1491.	2.5
40	39.9	10.900	32.675	6.21	0.78	24.983	0.112	1491.	3.7
42	42.2	10.907	32.680	6.17	0.78	24.987	0.119	1491.	4.9
43	43.8	10.900	32.689	6.12	0.78	24.995	0.123	1491.	5.9
46	45.9	10.861	32.726	6.04	0.77	25.030	0.130	1491.	6.7
48	48.0	10.789	32.762	6.03	0.74	25.070	0.136	1491.	7.2
50	50.2	10.676	32.796	5.98	0.71	25.117	0.142	1490.	8.0
52	51.9	10.581	32.825	5.82	0.71	25.156	0.147	1490.	9.4
54	54.0	10.504	32.854	5.71	0.69	25.192	0.153	1490.	10.6
56	56.1	10.432	32.883	5.64	0.68	25.226	0.158	1490.	11.4
57	57.9	10.171	32.939	5.57	0.68	25.315	0.163	1489.	11.8
59	60.0	9.680	33.111	5.51	0.65	25.530	0.168	1487.	11.8
62	62.1	9.880	33.289	5.33	0.65	25.636	0.173	1488.	11.6
63	63.9	10.131	33.400	5.19	0.65	25.681	0.178	1489.	10.7
66	66.0	10.395	33.521	5.06	0.67	25.731	0.183	1491.	9.3
68	68.0	10.422	33.581	5.03	0.67	25.772	0.187	1491.	7.5
69	69.9	10.421	33.618	5.02	0.68	25.801	0.191	1491.	6.6
72	72.2	10.404	33.623	5.06	0.67	25.809	0.196	1491.	6.3
73	73.8	10.385	33.626	5.12	0.67	25.814	0.200	1491.	6.4
75	76.1	10.391	33.669	5.16	0.68	25.846	0.205	1491.	7.2
77	78.0	10.441	33.719	5.17	0.67	25.877	0.209	1491.	8.2
79	80.0	10.703	33.818	5.13	0.67	25.908	0.213	1492.	9.0
81	81.9	11.060	33.979	5.07	0.67	25.970	0.217	1494.	9.6
83	84.0	11.794	34.291	4.93	0.67	26.078	0.221	1497.	9.9
85	86.1	12.210	34.480	4.82	0.66	26.146	0.225	1498.	9.9
87	88.1	12.361	34.587	4.67	0.65	26.199	0.229	1499.	9.6
89	89.9	12.406	34.671	4.52	0.66	26.256	0.232	1499.	9.2
91	92.0	12.267	34.699	4.42	0.67	26.304	0.236	1499.	8.6
93	94.0	12.097	34.699	4.32	0.67	26.337	0.239	1498.	8.2
95	95.8	12.032	34.730	4.21	0.68	26.374	0.242	1498.	8.0
97	98.1	11.875	34.766	4.24	0.69	26.432	0.246	1498.	7.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	56	14 NOV 1982	23.2	40 29.4 N	68 11.0 W	226

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	99.9	11.864	34.792	4.22	0.69	26.454	0.249	1498.	8.4
101	102.1	11.854	34.838	4.17	0.68	26.492	0.252	1498.	9.0
103	104.0	11.808	34.869	4.15	0.69	26.524	0.255	1498.	9.8
105	106.0	11.756	34.944	4.13	0.70	26.592	0.258	1498.	10.2
107	108.0	11.578	35.027	4.08	0.71	26.691	0.261	1497.	10.6
109	109.8	11.510	35.118	4.01	0.73	26.774	0.264	1497.	10.5
111	112.0	11.441	35.235	3.94	0.72	26.878	0.266	1497.	10.1
113	114.0	11.436	35.270	3.91	0.70	26.906	0.269	1497.	9.1
115	116.0	11.171	35.306	3.88	0.70	26.983	0.271	1496.	7.8
117	118.0	11.157	35.318	3.85	0.69	26.995	0.273	1496.	6.4
119	119.9	11.166	35.329	3.85	0.69	27.002	0.275	1496.	4.8
121	122.0	11.182	35.339	3.85	0.69	27.007	0.277	1496.	3.7
123	123.9	11.184	35.339	3.83	0.70	27.007	0.279	1496.	2.1
125	126.1	11.172	35.336	3.85	0.70	27.006	0.282	1496.	1.8
127	128.0	11.130	35.327	3.86	0.71	27.007	0.284	1496.	1.8
129	130.0	11.115	35.327	3.84	0.73	27.010	0.286	1496.	2.1
131	132.1	11.088	35.324	3.85	0.73	27.012	0.288	1496.	2.5
133	134.1	11.056	35.320	3.86	0.73	27.015	0.290	1496.	2.8
135	135.8	11.024	35.320	3.82	0.73	27.021	0.292	1496.	3.1
137	138.1	10.961	35.319	3.80	0.73	27.031	0.295	1496.	3.4
139	140.1	10.932	35.318	3.84	0.73	27.036	0.297	1496.	3.7
141	142.0	10.884	35.317	3.86	0.74	27.044	0.299	1496.	3.9
143	143.9	10.810	35.314	3.84	0.74	27.055	0.301	1495.	4.1
145	146.0	10.746	35.312	3.85	0.74	27.065	0.303	1495.	4.2
147	148.1	10.631	35.305	3.88	0.73	27.080	0.305	1495.	4.2
149	150.0	10.548	35.303	3.90	0.73	27.093	0.307	1495.	4.0
151	151.9	10.491	35.300	3.92	0.74	27.101	0.309	1494.	3.8
153	154.0	10.407	35.296	3.95	0.74	27.113	0.311	1494.	3.4
155	156.3	10.353	35.292	3.94	0.74	27.119	0.313	1494.	3.2
157	158.1	10.349	35.292	3.90	0.74	27.120	0.315	1494.	3.4
159	159.8	10.343	35.291	3.86	0.75	27.121	0.316	1494.	3.7
161	162.1	10.329	35.291	3.85	0.75	27.122	0.319	1494.	4.0
163	164.1	10.150	35.273	3.90	0.74	27.139	0.321	1493.	4.2
164	165.8	9.962	35.261	3.92	0.75	27.163	0.322	1493.	4.3
167	168.0	9.857	35.260	3.94	0.76	27.180	0.324	1492.	4.8
169	170.1	9.822	35.260	3.97	0.76	27.186	0.326	1492.	5.2
171	172.1	9.777	35.256	4.00	0.76	27.191	0.328	1492.	5.5
172	173.9	9.724	35.255	3.99	0.76	27.199	0.329	1492.	5.8
175	176.0	9.316	35.225	4.02	0.77	27.243	0.331	1491.	6.1
177	178.1	9.038	35.206	4.08	0.78	27.274	0.333	1490.	6.3
178	180.0	8.829	35.193	4.16	0.79	27.297	0.335	1489.	6.2
181	182.0	8.584	35.182	4.21	0.79	27.327	0.336	1488.	5.8
182	184.0	8.475	35.181	4.24	0.80	27.343	0.338	1487.	5.1
184	186.0	8.390	35.177	4.28	0.80	27.353	0.339	1487.	4.5
186	188.0	8.320	35.175	4.29	0.80	27.363	0.341	1487.	4.0
188	190.0	8.302	35.174	4.29	0.80	27.365	0.342	1487.	3.5
190	191.9	8.225	35.170	4.29	0.81	27.374	0.344	1487.	3.2
193	194.2	8.128	35.164	4.27	0.82	27.384	0.345	1486.	3.0
194	195.9	8.104	35.164	4.31	0.81	27.387	0.346	1486.	2.8
196	198.0	8.073	35.162	4.29	0.81	27.390	0.348	1486.	2.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	56	14 NOV 1982	23.2	40 29.4 N	68 11.0 W	226

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
198	200.0	8.046	35.161	4.28	0.81	27.394	0.349	1486.	2.2
200	202.0	8.023	35.160	4.30	0.81	27.396	0.351	1486.	2.1
202	203.9	8.023	35.160	4.33	0.82	27.397	0.352	1486.	2.1
204	206.1	8.003	35.158	4.30	0.82	27.398	0.354	1486.	2.1
206	207.9	7.972	35.156	4.31	0.83	27.401	0.355	1486.	2.2
208	210.0	7.911	35.152	4.28	0.84	27.407	0.357	1486.	2.4
210	211.2	7.889	35.152	4.29	0.83	27.410	0.357	1486.	2.6
210	212.0	7.879	35.147	4.32	0.83	27.408	0.358	1486.	2.8
211	213.0	7.844	35.147	4.31	0.82	27.413	0.359	1486.	2.8
212	213.9	7.817	35.145	4.28	0.82	27.415	0.359	1485.	2.7
213	215.0	7.793	35.146	4.27	0.83	27.420	0.360	1485.	2.8
214	216.1	7.784	35.145	4.27	0.82	27.420	0.361	1485.	2.9
215	217.0	7.764	35.144	4.31	0.82	27.423	0.361	1485.	3.1
216	218.0	7.729	35.139	4.31	0.83	27.424	0.362	1485.	3.2
217	218.9	7.702	35.138	4.33	0.82	27.427	0.363	1485.	3.2
218	220.0	7.657	35.135	4.33	0.83	27.432	0.363	1485.	3.2
219	221.0	7.593	35.134	4.32	0.84	27.440	0.364	1485.	2.9
220	222.1	7.586	35.132	4.33	0.82	27.440	0.365	1485.	2.9
221	223.0	7.589	35.136	4.35	0.83	27.442	0.365	1485.	2.9
222	224.0	7.605	35.137	4.34	0.83	27.440	0.366	1485.	2.9
223	224.7	7.612	35.136	4.38	0.84	27.439	0.367	1485.	2.9

STA 57 DAY: 14 TIME: 2338

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.2	10.8	55.3	11.2	81.5	10.3	99.6	12.5	126.6	11.0
3.8	10.8	55.4	11.1	82.4	10.3	100.1	12.6	127.2	10.9
5.8	10.8	55.5	11.1	82.6	10.3	100.6	12.7	127.7	10.9
8.1	10.8	55.5	11.0	82.7	10.4	101.0	12.8	127.8	10.8
9.7	10.8	56.0	10.9	82.9	10.5	101.4	12.8	128.1	10.8
11.4	10.8	56.0	10.8	83.3	10.5	102.1	12.9	128.9	10.8
14.0	10.8	56.2	10.7	83.6	10.6	103.0	12.9	129.7	10.8
16.1	10.8	56.3	10.6	84.0	10.7	103.5	12.9	130.3	10.7
18.1	10.8	56.5	10.5	84.2	10.8	104.1	12.9	130.6	10.7
19.5	10.8	56.5	10.4	84.3	10.9	104.7	12.8	131.0	10.6
22.1	10.8	56.6	10.2	84.3	11.0	104.9	12.7	131.4	10.6
24.5	10.8	56.8	10.1	84.5	11.1	104.9	12.6	131.8	10.5
26.5	10.8	56.9	10.1	84.6	11.2	105.1	12.6	132.0	10.5
28.5	10.8	56.9	10.0	84.4	11.3	105.2	12.5	133.3	10.4
30.4	10.8	57.2	9.9	84.6	11.4	105.6	12.4	133.6	10.4
32.0	10.8	57.2	9.8	84.9	11.5	105.5	12.3	134.5	10.4
33.6	10.8	57.4	9.6	85.0	11.5	105.8	12.2	135.4	10.4
34.7	10.8	57.4	9.6	85.2	11.6	105.9	12.2	135.7	10.3
36.3	10.8	57.5	9.5	85.4	11.8	106.3	12.1	136.2	10.3
37.5	10.8	58.0	9.4	85.5	11.9	106.5	12.1	136.9	10.2
38.7	10.8	58.1	9.3	85.4	11.9	106.8	12.0	137.5	10.2
39.5	10.8	58.5	9.3	85.7	12.0	107.9	12.0	137.9	10.2
40.4	10.8	59.3	9.2	86.4	12.1	108.9	12.0	137.9	10.2
41.7	10.8	60.3	9.2	86.8	12.2	109.0	11.9	138.8	10.1
43.3	10.8	61.3	9.2	87.2	12.3	109.7	11.9	140.0	10.1
44.3	10.8	61.8	9.3	88.0	12.4	111.1	11.9	140.8	10.1
45.2	10.8	62.0	9.3	88.4	12.4	112.4	11.9	141.7	10.1
46.1	10.8	63.5	9.3	88.7	12.5	113.3	11.8	142.6	10.1
46.8	10.9	64.5	9.4	89.6	12.5	114.2	11.8	143.4	10.1
47.1	10.9	65.5	9.4	89.9	12.4	114.9	11.8	143.8	10.0
47.5	11.0	66.6	9.4	90.2	12.4	115.1	11.7	144.9	9.9
48.0	11.1	67.8	9.5	90.3	12.3	115.2	11.7	145.8	9.9
48.8	11.2	68.8	9.5	90.7	12.3	116.2	11.6	147.4	9.9
49.2	11.3	70.2	9.5	91.1	12.3	117.2	11.6	148.4	9.9
49.9	11.3	71.1	9.6	91.6	12.2	117.7	11.6	149.3	9.9
50.1	11.4	71.4	9.7	91.9	12.1	117.9	11.6	150.1	9.9
50.3	11.4	72.2	9.7	92.4	12.0	118.5	11.5	151.0	9.9
51.0	11.4	72.7	9.8	92.7	12.0	119.5	11.5	151.4	9.8
51.6	11.5	73.0	9.8	93.4	12.0	119.9	11.4	152.4	9.8
51.8	11.6	74.2	9.9	93.8	11.9	120.5	11.4	153.0	9.7
52.4	11.6	75.6	9.9	94.2	11.9	120.6	11.3	153.7	9.7
53.2	11.7	76.9	9.9	94.8	11.9	121.5	11.3	154.4	9.7
53.8	11.7	77.7	10.0	95.3	11.9	121.8	11.3	154.8	9.7
54.5	11.7	77.8	10.0	95.6	12.0	122.1	11.3	155.2	9.6
54.7	11.6	78.0	10.1	96.1	12.1	122.5	11.2	155.6	9.6
54.9	11.6	78.4	10.2	96.4	12.1	123.0	11.2	156.9	9.6
55.1	11.5	78.7	10.2	97.1	12.2	123.9	11.1	158.1	9.6
55.2	11.5	79.2	10.2	97.8	12.3	124.8	11.1	159.3	9.6
55.1	11.4	80.2	10.2	98.4	12.3	125.4	11.1	160.2	9.6
55.3	11.3	80.8	10.3	99.1	12.4	125.7	11.0	161.2	9.6

STA 57 DAY: 14 TIME: 2338

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
162.2	9.6	204.7	8.4	258.3	7.6	313.3	6.9
162.6	9.5	206.0	8.4	260.3	7.6	314.5	6.9
163.1	9.5	207.2	8.4	261.3	7.6	315.9	6.9
163.5	9.5	208.3	8.4	263.5	7.5	316.7	6.9
164.3	9.5	209.9	8.4	264.6	7.5	317.3	6.9
165.6	9.4	211.3	8.4	265.7	7.5	318.9	6.9
166.6	9.4	212.9	8.4	266.5	7.5	320.1	6.9
168.3	9.4	215.0	8.4	267.6	7.5	321.4	6.9
170.3	9.4	216.1	8.4	268.6	7.5	322.9	6.9
171.9	9.4	217.7	8.3	269.7	7.5	324.4	6.8
173.4	9.4	218.3	8.3	270.8	7.4	325.7	6.8
175.5	9.4	218.6	8.3	271.5	7.4	326.5	6.8
177.1	9.4	219.3	8.2	272.2	7.4	327.8	6.8
178.1	9.4	221.0	8.2	273.1	7.3	329.5	6.8
179.1	9.4	222.4	8.2	273.8	7.3	330.7	6.8
179.6	9.3	223.7	8.2	274.8	7.3	332.1	6.8
179.9	9.3	224.6	8.2	275.9	7.3	333.3	6.8
180.5	9.2	225.2	8.1	277.0	7.3	334.8	6.8
181.2	9.2	225.9	8.1	277.7	7.3	336.5	6.8
182.2	9.2	226.2	8.0	278.1	7.3	337.9	6.8
183.3	9.2	227.3	8.0	278.7	7.2	339.1	6.8
184.2	9.2	228.3	8.0	279.6	7.2	340.2	6.8
185.0	9.2	229.2	8.0	281.0	7.2	341.1	6.8
185.6	9.1	229.6	7.9	282.1	7.2	341.9	6.8
186.1	9.1	229.8	7.9	283.7	7.2	342.4	6.8
186.2	9.1	230.1	7.9	285.2	7.2		
186.5	9.0	231.5	7.8	286.4	7.1		
186.7	9.0	232.9	7.8	288.2	7.1		
187.2	8.9	234.1	7.8	290.0	7.1		
187.6	8.9	235.4	7.8	290.9	7.1		
188.2	8.9	236.6	7.8	292.2	7.1		
189.0	8.9	237.7	7.8	293.4	7.1		
189.6	8.9	239.1	7.8	294.0	7.1		
189.8	8.8	239.9	7.8	294.2	7.1		
190.1	8.8	240.7	7.8	295.1	7.0		
190.6	8.7	241.1	7.8	295.7	7.0		
191.4	8.7	241.6	7.7	296.4	7.0		
192.1	8.6	242.7	7.7	297.1	7.0		
192.5	8.6	243.4	7.7	298.1	7.0		
192.8	8.6	244.5	7.7	299.3	7.0		
193.8	8.6	245.5	7.7	300.4	7.0		
195.2	8.6	246.9	7.7	302.0	7.0		
196.1	8.5	248.9	7.7	303.1	7.0		
197.4	8.5	250.9	7.7	304.1	7.0		
198.6	8.5	252.7	7.7	305.8	7.0		
200.0	8.5	254.3	7.7	306.8	7.0		
201.3	8.5	255.4	7.7	307.7	7.0		
202.7	8.5	256.4	7.7	309.1	7.0		
203.7	8.5	256.9	7.6	310.5	7.0		
203.9	8.4	257.5	7.6	312.0	6.9		

STA 58 DAY: 14 TIME: 2347

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.2	12.0	33.6	12.1	61.3	13.1	84.5	13.9	105.3	16.1
0.3	11.9	34.4	12.1	61.5	13.1	84.4	14.0	106.6	16.1
0.7	11.8	35.5	12.1	61.6	13.0	84.8	14.2	107.8	16.0
1.1	11.8	36.1	12.1	61.9	13.0	84.7	14.3	108.5	16.1
1.7	11.7	36.7	12.2	62.2	12.9	84.8	14.4	109.0	16.1
1.8	11.6	37.0	12.2	62.5	12.8	85.0	14.5	109.2	16.2
2.9	11.6	37.5	12.3	62.5	12.8	85.3	14.6	109.3	16.3
3.8	11.6	38.3	12.3	62.6	12.7	85.4	14.8	110.1	16.3
4.3	11.5	39.3	12.3	62.7	12.6	85.5	14.9	110.9	16.3
4.6	11.5	40.1	12.4	62.9	12.6	85.6	14.9	111.6	16.4
5.4	11.4	40.7	12.4	63.1	12.5	85.7	15.0	112.4	16.4
6.2	11.4	41.3	12.5	63.4	12.4	85.8	15.1	112.8	16.5
7.2	11.4	41.7	12.5	63.9	12.4	85.9	15.2	113.3	16.5
8.2	11.4	42.2	12.6	64.4	12.3	86.4	15.2	113.8	16.5
8.6	11.5	42.4	12.6	65.1	12.3	86.6	15.3	114.5	16.5
9.4	11.5	42.5	12.6	66.5	12.3	86.8	15.4	114.7	16.5
10.2	11.6	42.8	12.6	67.1	12.2	87.6	15.4	114.9	16.4
11.1	11.6	43.2	12.7	67.6	12.2	88.4	15.4	115.1	16.4
11.4	11.7	43.4	12.8	68.2	12.2	88.9	15.5	115.5	16.4
12.1	11.7	43.8	12.8	69.2	12.2	89.1	15.6	115.8	16.3
13.1	11.7	44.0	12.9	70.4	12.1	89.9	15.6	115.9	16.3
13.9	11.8	44.2	12.9	71.9	12.2	90.7	15.6	116.2	16.2
14.3	11.8	44.7	12.9	72.7	12.2	91.8	15.6	116.8	16.1
15.1	11.9	45.5	12.9	73.4	12.2	92.9	15.6	117.3	16.1
15.3	11.9	46.4	12.9	74.2	12.2	93.2	15.5	117.7	16.0
16.3	11.9	46.8	13.0	74.6	12.2	93.7	15.5	118.2	16.0
16.5	11.9	47.2	13.0	75.2	12.3	94.1	15.5	118.9	15.9
16.7	11.8	47.2	13.1	75.6	12.3	94.2	15.5	119.2	15.8
17.3	11.8	48.1	13.1	75.8	12.4	94.3	15.6	119.3	15.8
18.0	11.8	49.2	13.1	75.8	12.5	95.0	15.6	119.6	15.7
19.1	11.8	50.5	13.1	76.4	12.5	95.5	15.6	120.3	15.7
19.4	11.8	51.7	13.1	76.5	12.6	96.0	15.6	121.2	15.6
20.3	11.7	52.5	13.1	77.0	12.6	96.8	15.7	122.0	15.6
20.7	11.7	53.5	13.1	77.0	12.7	97.3	15.8	122.9	15.6
20.9	11.8	54.4	13.1	77.5	12.8	97.8	15.8	123.1	15.5
21.1	11.9	54.9	13.1	77.9	12.9	98.2	15.9	123.3	15.4
21.5	11.9	55.2	13.1	78.4	12.9	98.8	16.0	123.8	15.4
21.6	12.0	55.5	13.0	78.1	13.0	99.0	16.0	125.2	15.4
22.4	12.0	55.9	13.0	78.8	13.1	99.8	16.1	126.0	15.3
23.5	12.0	56.4	13.0	79.7	13.2	100.1	16.1	126.5	15.3
24.6	12.0	57.0	12.9	80.3	13.3	100.4	16.2	126.6	15.3
25.5	12.0	57.7	12.9	80.7	13.3	100.5	16.2	127.0	15.2
26.6	12.0	58.2	12.9	80.6	13.4	101.0	16.2	127.3	15.2
27.2	12.0	58.9	12.9	81.0	13.5	101.3	16.2	128.2	15.2
28.3	12.0	59.5	13.0	82.0	13.5	102.2	16.3	128.8	15.1
28.9	12.0	59.7	13.0	82.6	13.6	102.8	16.2	129.4	15.1
29.3	12.1	59.9	13.1	83.5	13.7	103.2	16.2	129.7	15.0
30.4	12.1	60.3	13.1	83.8	13.7	103.4	16.2	130.4	15.0
31.5	12.1	60.4	13.1	84.0	13.8	103.6	16.1	131.0	14.9
32.6	12.1	61.1	13.1	83.9	13.9	103.8	16.1	132.2	14.9

STA 58 DAY: 14 TIME: 2347

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
133.5	14.8	163.4	12.7
134.2	14.8	163.7	12.7
134.8	14.8	164.4	12.6
136.0	14.7	164.8	12.6
136.9	14.7	165.4	12.5
137.4	14.7	165.7	12.4
137.8	14.6	166.2	12.4
138.1	14.6	166.9	12.4
139.0	14.5	167.3	12.4
139.9	14.5	167.8	12.3
140.2	14.4	168.0	12.3
140.5	14.4	169.1	12.3
140.7	14.3	170.3	12.2
141.1	14.3	171.0	12.2
141.1	14.2	171.9	12.2
142.0	14.2	172.9	12.2
142.9	14.2	173.6	12.1
143.6	14.2	173.8	12.1
144.7	14.2	174.7	12.0
145.1	14.1	175.1	12.0
145.1	14.1	175.6	12.0
145.4	14.0	176.1	11.9
145.7	14.0	177.0	11.9
146.4	13.9	177.8	11.9
147.2	13.9	178.3	11.9
147.8	13.9	178.7	11.8
148.3	13.8	180.3	11.8
148.9	13.8		
149.9	13.8		
151.0	13.8		
152.2	13.7		
153.1	13.7		
154.1	13.7		
154.5	13.6		
154.9	13.6		
155.2	13.5		
155.4	13.4		
155.7	13.4		
156.1	13.4		
156.5	13.3		
157.6	13.3		
157.9	13.2		
158.2	13.1		
158.4	13.0		
158.8	12.9		
159.4	12.9		
160.0	12.8		
160.9	12.8		
161.4	12.8		
163.1	12.8		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	59	15 NOV 1982	00.1	40 24.9 N	68 07.9 W	560

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
7	6.6	12.272	33.095	6.08	0.70	25.059	0.000	1496.	1.4
8	7.8	12.270	33.091	6.10	0.71	25.057	0.003	1496.	1.4
10	10.1	12.268	33.090	6.10	0.70	25.056	0.010	1496.	1.4
12	12.2	12.273	33.092	6.08	0.70	25.056	0.016	1496.	1.4
14	13.8	12.273	33.092	6.02	0.71	25.056	0.021	1496.	1.4
16	16.0	12.274	33.093	6.10	0.71	25.057	0.027	1496.	2.0
18	18.1	12.287	33.102	6.13	0.71	25.061	0.033	1496.	2.4
20	20.0	12.313	33.108	6.09	0.71	25.061	0.039	1496.	2.8
22	21.8	12.410	33.143	6.08	0.71	25.070	0.044	1496.	3.1
24	24.0	12.581	33.197	6.12	0.70	25.079	0.050	1497.	3.6
26	26.1	12.611	33.211	6.09	0.69	25.084	0.056	1497.	4.1
28	28.0	12.683	33.243	6.05	0.70	25.095	0.062	1498.	4.5
30	30.0	12.751	33.275	6.03	0.70	25.106	0.067	1498.	4.8
32	32.2	12.893	33.334	5.98	0.69	25.124	0.074	1498.	5.4
34	33.8	13.093	33.420	5.80	0.68	25.151	0.078	1499.	6.2
36	36.0	13.198	33.467	5.75	0.67	25.167	0.084	1500.	6.6
38	38.1	13.217	33.491	5.76	0.66	25.182	0.090	1500.	7.3
40	40.0	13.272	33.575	5.54	0.65	25.235	0.096	1500.	8.2
42	42.0	13.155	33.622	5.40	0.64	25.295	0.101	1500.	8.8
44	44.0	12.946	33.589	5.41	0.64	25.311	0.106	1499.	9.7
46	46.0	12.519	33.575	5.41	0.64	25.384	0.112	1498.	10.7
48	48.2	11.885	33.550	5.37	0.63	25.486	0.117	1495.	11.2
49	49.8	11.684	33.559	5.22	0.62	25.530	0.121	1495.	11.4
52	51.9	11.209	33.598	5.22	0.62	25.647	0.126	1493.	11.4
54	54.1	11.251	33.806	5.17	0.61	25.801	0.131	1494.	10.7
55	55.9	11.308	33.869	5.06	0.61	25.840	0.135	1494.	9.8
58	58.0	11.329	33.933	5.00	0.61	25.886	0.140	1494.	8.8
59	59.9	11.488	34.010	4.97	0.61	25.916	0.144	1495.	7.3
62	62.1	11.467	34.021	4.97	0.61	25.929	0.148	1495.	5.7
63	63.9	11.422	34.031	4.93	0.62	25.945	0.152	1495.	5.0
65	66.0	11.305	34.021	4.94	0.62	25.959	0.156	1494.	4.3
68	68.0	11.245	34.020	4.97	0.62	25.968	0.160	1494.	3.9
70	70.2	11.294	34.040	4.95	0.62	25.975	0.165	1494.	4.6
71	71.9	11.306	34.047	4.92	0.62	25.979	0.168	1494.	5.2
73	74.0	11.280	34.044	4.93	0.62	25.981	0.173	1494.	6.1
75	76.1	11.303	34.076	4.93	0.63	26.002	0.177	1495.	6.8
77	77.9	11.496	34.214	4.83	0.63	26.073	0.180	1495.	7.7
79	80.0	11.554	34.266	4.80	0.63	26.103	0.184	1496.	8.2
81	82.1	11.716	34.370	4.75	0.63	26.154	0.188	1496.	8.7
83	83.9	11.950	34.470	4.66	0.63	26.187	0.192	1497.	8.7
85	86.1	12.471	34.700	4.55	0.63	26.265	0.196	1499.	8.4
87	87.9	12.833	34.833	4.44	0.62	26.298	0.199	1501.	8.2
89	90.0	13.387	35.058	4.37	0.62	26.360	0.202	1503.	7.7
91	92.1	13.444	35.109	4.32	0.61	26.387	0.206	1503.	7.1
93	93.9	13.337	35.109	4.27	0.62	26.410	0.209	1503.	6.2
95	96.2	13.359	35.144	4.23	0.62	26.433	0.213	1503.	5.6
97	97.9	13.450	35.179	4.21	0.62	26.441	0.215	1504.	5.3
99	100.1	13.617	35.243	4.18	0.62	26.456	0.219	1504.	5.8
101	102.0	13.660	35.266	4.14	0.62	26.464	0.222	1504.	6.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	59	15 NOV 1982	00.1	40 24.9 N	68 07.9 W	560

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
103	103.9	13.637	35.270	4.12	0.62	26.473	0.225	1504.	6.9
105	106.0	13.407	35.277	4.14	0.62	26.525	0.228	1504.	7.0
107	107.9	13.023	35.262	4.13	0.63	26.592	0.231	1502.	6.8
109	110.0	12.919	35.298	4.11	0.63	26.641	0.234	1502.	6.6
111	112.0	12.917	35.300	4.10	0.63	26.643	0.237	1502.	6.2
113	114.0	12.912	35.301	4.08	0.63	26.644	0.240	1502.	5.7
115	115.9	12.894	35.297	4.07	0.63	26.645	0.242	1502.	5.3
117	118.1	12.940	35.342	4.05	0.63	26.670	0.245	1502.	5.3
119	120.0	12.987	35.398	4.02	0.64	26.704	0.248	1503.	5.4
121	122.0	12.747	35.378	4.02	0.64	26.737	0.251	1502.	5.4
123	124.0	12.745	35.396	3.99	0.64	26.752	0.253	1502.	5.2
125	126.1	12.657	35.384	3.98	0.64	26.760	0.256	1502.	4.6
127	127.7	12.603	35.376	3.94	0.65	26.764	0.258	1501.	3.8
129	130.1	12.432	35.348	3.95	0.65	26.776	0.261	1501.	3.2
131	132.0	12.368	35.338	3.94	0.65	26.781	0.264	1501.	3.0
133	134.0	12.353	35.338	3.93	0.65	26.784	0.266	1501.	2.8
135	136.2	12.334	35.334	3.93	0.66	26.784	0.269	1501.	3.0
137	138.0	12.227	35.317	3.94	0.66	26.792	0.271	1500.	3.3
139	140.1	12.190	35.313	3.94	0.66	26.796	0.274	1500.	3.7
141	142.1	12.081	35.293	3.93	0.67	26.802	0.277	1500.	4.1
143	143.9	12.003	35.294	3.91	0.68	26.818	0.279	1500.	4.6
145	146.1	11.946	35.304	3.91	0.68	26.836	0.282	1499.	4.9
147	148.0	11.913	35.311	3.88	0.68	26.848	0.284	1499.	5.0
149	150.1	11.843	35.311	3.86	0.68	26.861	0.287	1499.	5.1
151	152.0	11.825	35.350	3.84	0.68	26.895	0.289	1499.	4.9
153	154.1	11.842	35.369	3.81	0.68	26.907	0.291	1499.	4.8
155	156.0	11.699	35.337	3.82	0.69	26.909	0.294	1499.	4.6
157	158.0	11.469	35.307	3.83	0.71	26.928	0.296	1498.	4.3
159	160.0	11.471	35.317	3.83	0.71	26.936	0.298	1498.	3.9
161	161.9	11.480	35.330	3.81	0.71	26.944	0.300	1498.	4.3
163	164.0	11.518	35.351	3.78	0.70	26.954	0.303	1498.	5.0
165	166.1	11.499	35.357	3.77	0.70	26.962	0.305	1498.	5.4
166	167.9	11.461	35.358	3.72	0.70	26.970	0.307	1498.	5.9
169	170.0	11.262	35.369	3.68	0.70	27.015	0.309	1498.	6.2
171	172.2	11.041	35.370	3.69	0.68	27.057	0.312	1497.	6.4
172	173.7	10.979	35.368	3.64	0.68	27.067	0.313	1497.	6.2
175	176.0	10.670	35.345	3.64	0.68	27.105	0.316	1496.	5.8
177	178.3	10.469	35.324	3.66	0.68	27.123	0.318	1495.	5.0
178	179.7	10.440	35.324	3.67	0.68	27.129	0.319	1495.	4.3
180	181.9	10.402	35.322	3.68	0.68	27.134	0.321	1495.	3.9
183	184.1	10.353	35.319	3.70	0.68	27.140	0.324	1495.	3.5
184	186.0	10.327	35.316	3.74	0.68	27.143	0.325	1494.	3.4
186	188.0	10.255	35.309	3.75	0.69	27.149	0.327	1494.	3.6
188	189.9	10.157	35.301	3.77	0.69	27.160	0.329	1494.	3.7
190	192.0	10.036	35.294	3.80	0.69	27.176	0.331	1493.	3.7
193	194.3	9.969	35.287	3.79	0.69	27.182	0.333	1493.	3.6
194	195.9	9.894	35.282	3.81	0.70	27.191	0.335	1493.	3.5
196	198.0	9.842	35.279	3.81	0.70	27.198	0.336	1493.	3.3
199	200.2	9.811	35.277	3.82	0.69	27.201	0.338	1493.	3.2
200	202.0	9.787	35.275	3.84	0.70	27.204	0.340	1493.	3.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	59	15 NOV 1982	00.1	40 24.9 N	68 07.9 W	560

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
202	203.9	9.730	35.271	3.78	0.70	27.210	0.342	1493.	3.5
204	206.0	9.650	35.265	3.77	0.70	27.219	0.344	1492.	3.7
206	208.1	9.526	35.255	3.81	0.70	27.232	0.345	1492.	3.9
208	209.9	9.436	35.250	3.85	0.71	27.243	0.347	1492.	4.1
210	212.0	9.363	35.247	3.87	0.71	27.253	0.349	1491.	4.2
212	214.0	9.319	35.244	3.89	0.71	27.258	0.351	1491.	4.3
214	216.0	9.207	35.238	3.90	0.71	27.271	0.352	1491.	4.3
216	218.1	9.035	35.222	3.91	0.71	27.286	0.354	1490.	4.4
218	220.0	8.925	35.217	3.96	0.71	27.301	0.355	1490.	4.5
220	222.0	8.867	35.214	3.97	0.71	27.307	0.357	1490.	4.4
222	224.0	8.721	35.202	3.99	0.72	27.321	0.359	1489.	4.2
224	226.0	8.582	35.194	4.02	0.72	27.337	0.360	1489.	3.9
226	228.0	8.532	35.192	4.08	0.72	27.343	0.362	1488.	3.6
228	229.9	8.488	35.189	4.09	0.72	27.348	0.363	1488.	3.4
230	232.0	8.419	35.184	4.06	0.72	27.355	0.365	1488.	3.3
232	234.2	8.372	35.181	4.09	0.72	27.359	0.367	1488.	3.2
234	236.0	8.353	35.180	4.07	0.72	27.362	0.368	1488.	3.2
236	238.0	8.267	35.171	4.09	0.71	27.368	0.369	1488.	3.2
238	239.9	8.120	35.162	4.09	0.71	27.383	0.371	1487.	3.3
240	242.1	8.104	35.163	4.07	0.71	27.387	0.372	1487.	3.3
242	243.7	8.090	35.162	4.09	0.71	27.388	0.374	1487.	3.3
244	246.0	7.997	35.156	4.11	0.71	27.397	0.375	1487.	3.2
246	248.1	7.914	35.148	4.12	0.71	27.403	0.377	1486.	2.9
248	249.9	7.816	35.138	4.17	0.71	27.410	0.378	1486.	2.8
250	252.0	7.773	35.137	4.16	0.71	27.416	0.379	1486.	2.6
252	253.9	7.745	35.135	4.16	0.71	27.418	0.381	1486.	2.2
254	256.1	7.742	35.135	4.13	0.71	27.419	0.382	1486.	1.8
256	258.0	7.736	35.135	4.16	0.71	27.419	0.384	1486.	1.4
258	259.9	7.726	35.134	4.16	0.71	27.421	0.385	1486.	1.3
260	262.0	7.733	35.135	4.16	0.71	27.420	0.386	1486.	1.3
262	264.1	7.716	35.133	4.18	0.71	27.421	0.388	1486.	1.3
264	265.9	7.700	35.133	4.17	0.71	27.423	0.389	1486.	1.4
266	268.0	7.680	35.131	4.15	0.71	27.425	0.391	1486.	1.4
268	270.0	7.670	35.131	4.18	0.71	27.426	0.392	1486.	1.5
270	272.1	7.664	35.130	4.19	0.71	27.427	0.393	1486.	1.4
272	273.9	7.643	35.129	4.16	0.71	27.428	0.395	1486.	1.4
274	276.1	7.637	35.129	4.14	0.71	27.429	0.396	1486.	1.4
276	278.1	7.626	35.127	4.19	0.71	27.430	0.397	1486.	1.5
278	279.9	7.617	35.127	4.21	0.71	27.431	0.399	1486.	1.7
280	282.0	7.596	35.126	4.14	0.72	27.433	0.400	1486.	1.8
282	284.0	7.575	35.124	4.14	0.72	27.435	0.402	1486.	2.0
284	286.1	7.546	35.121	4.19	0.71	27.437	0.403	1486.	2.1
285	287.8	7.506	35.120	4.24	0.72	27.441	0.404	1485.	2.2
288	290.0	7.484	35.118	4.21	0.72	27.443	0.406	1485.	2.2
290	292.0	7.449	35.116	4.19	0.72	27.447	0.407	1485.	2.3
292	294.2	7.414	35.113	4.27	0.72	27.450	0.408	1485.	2.3
293	296.0	7.389	35.112	4.30	0.72	27.452	0.410	1485.	2.2
295	297.9	7.360	35.110	4.28	0.72	27.455	0.411	1485.	2.2
297	299.9	7.307	35.107	4.29	0.72	27.460	0.412	1485.	2.1
300	302.1	7.298	35.107	4.29	0.72	27.461	0.414	1485.	2.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	59	15 NOV 1982	00.1	40 24.9 N	68 07.9 W	560

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
302	304.1	7.258	35.103	4.34	0.72	27.464	0.415	1485.	1.9
303	305.8	7.248	35.103	4.33	0.72	27.465	0.416	1485.	2.0
305	308.0	7.235	35.102	4.28	0.73	27.466	0.418	1485.	2.1
308	310.3	7.199	35.098	4.29	0.72	27.468	0.419	1485.	2.2
309	311.7	7.154	35.092	4.35	0.72	27.470	0.420	1484.	2.2
311	314.0	7.098	35.092	4.36	0.73	27.478	0.422	1484.	2.2
313	316.0	7.067	35.091	4.38	0.73	27.482	0.423	1484.	2.1
315	318.0	7.057	35.091	4.40	0.73	27.483	0.424	1484.	2.0
317	320.1	7.050	35.091	4.41	0.73	27.484	0.425	1484.	1.9
319	321.9	7.038	35.090	4.40	0.73	27.485	0.427	1484.	1.7
321	324.1	7.033	35.090	4.40	0.73	27.486	0.428	1484.	1.8
323	326.1	7.002	35.088	4.43	0.73	27.488	0.429	1484.	1.9
325	328.0	6.967	35.087	4.46	0.73	27.492	0.431	1484.	2.1
327	329.8	6.945	35.085	4.46	0.73	27.494	0.432	1484.	2.2
329	332.0	6.902	35.083	4.45	0.73	27.498	0.433	1484.	2.4
331	334.0	6.886	35.081	4.47	0.73	27.499	0.434	1484.	2.5
333	336.1	6.843	35.078	4.51	0.73	27.502	0.436	1484.	2.4
335	338.0	6.777	35.075	4.53	0.73	27.509	0.437	1483.	2.4
337	339.9	6.750	35.077	4.52	0.74	27.514	0.438	1483.	2.2
339	342.0	6.740	35.078	4.49	0.75	27.517	0.439	1483.	1.9
341	344.2	6.740	35.079	4.53	0.75	27.517	0.441	1483.	1.6
343	345.7	6.739	35.079	4.60	0.75	27.517	0.442	1483.	1.1
345	348.0	6.741	35.079	4.62	0.75	27.517	0.443	1483.	0.7
347	350.1	6.740	35.079	4.60	0.75	27.517	0.444	1483.	0.5
349	352.1	6.737	35.078	4.63	0.75	27.517	0.445	1484.	0.5
351	353.9	6.735	35.079	4.59	0.75	27.518	0.447	1484.	0.5
353	356.1	6.735	35.078	4.57	0.75	27.517	0.448	1484.	0.5
355	358.0	6.735	35.079	4.60	0.75	27.518	0.449	1484.	0.6
357	360.2	6.732	35.078	4.59	0.75	27.518	0.450	1484.	0.7
359	361.8	6.731	35.078	4.55	0.75	27.518	0.451	1484.	0.7
361	364.0	6.730	35.078	4.52	0.75	27.518	0.453	1484.	0.9
363	366.1	6.722	35.078	4.52	0.75	27.519	0.454	1484.	1.0
365	368.0	6.713	35.077	4.59	0.75	27.520	0.455	1484.	1.1
367	369.8	6.714	35.078	4.58	0.76	27.520	0.456	1484.	1.3
369	372.0	6.691	35.075	4.54	0.76	27.521	0.458	1484.	1.4
371	374.0	6.680	35.075	4.56	0.76	27.522	0.459	1484.	1.5
373	376.0	6.654	35.072	4.60	0.76	27.523	0.460	1484.	1.6
375	378.1	6.637	35.071	4.62	0.76	27.525	0.461	1484.	1.8
377	379.9	6.628	35.071	4.62	0.76	27.526	0.462	1484.	1.9
379	382.1	6.577	35.066	4.61	0.75	27.529	0.464	1483.	2.1
381	384.0	6.552	35.065	4.65	0.76	27.532	0.465	1483.	2.3
383	386.1	6.522	35.065	4.66	0.76	27.535	0.466	1483.	2.5
385	387.9	6.504	35.064	4.68	0.76	27.537	0.467	1483.	2.6
387	390.0	6.405	35.055	4.67	0.76	27.543	0.469	1483.	2.5
389	391.9	6.353	35.053	4.72	0.76	27.549	0.470	1483.	2.4
391	394.0	6.317	35.052	4.73	0.77	27.553	0.471	1483.	2.3
393	396.0	6.302	35.051	4.74	0.77	27.554	0.472	1483.	2.1
395	398.1	6.276	35.049	4.76	0.76	27.556	0.473	1482.	1.7
396	399.9	6.259	35.048	4.79	0.77	27.557	0.474	1482.	1.6
399	402.0	6.240	35.047	4.76	0.77	27.559	0.476	1482.	1.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	59	15 NOV 1982	00.1	40 24.9 N	68 07.9 W	560

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
401	404.2	6.249	35.048	4.78	0.77	27.558	0.477	1482.	1.5
402	405.9	6.236	35.046	4.78	0.77	27.559	0.478	1482.	1.5
405	408.1	6.192	35.044	4.77	0.77	27.563	0.479	1482.	1.4
407	410.1	6.183	35.044	4.80	0.76	27.564	0.480	1482.	1.4
408	411.9	6.178	35.044	4.82	0.77	27.565	0.481	1482.	1.4
410	414.1	6.178	35.045	4.79	0.77	27.565	0.482	1482.	1.2
412	415.9	6.176	35.045	4.79	0.77	27.566	0.483	1482.	1.1
414	418.0	6.167	35.044	4.80	0.77	27.566	0.485	1482.	1.3
416	420.1	6.158	35.043	4.79	0.77	27.567	0.486	1482.	1.4
418	421.7	6.146	35.042	4.83	0.77	27.567	0.487	1482.	1.5
420	423.9	6.127	35.041	4.81	0.78	27.569	0.488	1482.	1.5
422	426.0	6.093	35.040	4.81	0.78	27.573	0.489	1482.	1.5
424	428.2	6.082	35.040	4.83	0.78	27.574	0.490	1482.	1.4
426	429.9	6.089	35.041	4.85	0.78	27.574	0.491	1482.	1.3
428	432.0	6.086	35.041	4.85	0.79	27.574	0.493	1482.	1.2
430	434.0	6.068	35.039	4.85	0.79	27.575	0.494	1482.	1.1
432	436.1	6.059	35.039	4.89	0.79	27.576	0.495	1482.	1.1
434	437.9	6.056	35.039	4.86	0.79	27.577	0.496	1482.	1.2
436	440.0	6.050	35.038	4.83	0.79	27.577	0.497	1482.	1.2
438	442.1	6.041	35.038	4.84	0.79	27.578	0.498	1482.	1.3
440	443.9	6.034	35.037	4.87	0.79	27.578	0.499	1482.	1.3
442	446.3	6.008	35.036	4.87	0.79	27.580	0.501	1482.	1.4
444	447.8	6.000	35.035	4.88	0.79	27.581	0.502	1482.	1.4
446	450.0	5.980	35.034	4.88	0.79	27.583	0.503	1482.	1.3
448	452.2	5.971	35.034	4.90	0.79	27.583	0.504	1482.	1.3
450	453.8	5.963	35.034	4.92	0.79	27.584	0.505	1482.	1.2
452	456.0	5.956	35.033	4.89	0.79	27.584	0.506	1482.	1.1
454	458.1	5.949	35.033	4.87	0.79	27.585	0.507	1482.	1.1
456	460.1	5.943	35.033	4.89	0.79	27.586	0.508	1482.	1.2
458	461.9	5.940	35.032	4.91	0.79	27.586	0.509	1482.	1.2
460	463.9	5.922	35.030	4.87	0.80	27.587	0.511	1482.	1.2
462	466.2	5.910	35.030	4.88	0.80	27.589	0.512	1482.	1.3
464	467.8	5.900	35.030	4.95	0.80	27.589	0.513	1482.	1.4
466	470.0	5.884	35.029	4.93	0.80	27.591	0.514	1482.	1.5
468	472.0	5.883	35.029	4.93	0.80	27.591	0.515	1482.	1.7
470	474.0	5.864	35.028	4.96	0.81	27.592	0.516	1482.	1.8
472	476.1	5.836	35.026	4.96	0.81	27.594	0.517	1482.	1.9
474	477.9	5.799	35.023	4.99	0.80	27.597	0.518	1482.	2.1
476	480.0	5.744	35.020	4.98	0.81	27.601	0.519	1482.	2.1
478	482.1	5.726	35.020	4.97	0.81	27.603	0.521	1482.	2.0
479	483.8	5.705	35.018	4.98	0.81	27.605	0.521	1482.	1.9
482	486.2	5.662	35.016	4.97	0.82	27.608	0.523	1481.	1.7
483	487.7	5.667	35.017	4.97	0.82	27.609	0.524	1481.	1.7
486	490.2	5.658	35.016	4.98	0.83	27.609	0.525	1481.	2.1
488	491.9	5.644	35.015	5.04	0.82	27.610	0.526	1481.	2.4
489	493.8	5.605	35.011	5.05	0.82	27.611	0.527	1481.	2.7
492	496.1	5.547	35.008	5.07	0.83	27.617	0.528	1481.	2.9
494	497.9	5.384	34.997	5.13	0.83	27.627	0.529	1480.	2.9
496	500.0	5.314	34.994	5.17	0.83	27.634	0.530	1480.	2.7
515	520.0	5.138	34.988	5.20	0.84	27.650	0.540	1480.	1.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	60	15 NOV 1982	01.3	40 20.3 N	68 08.9 W	695

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	1.8	14.608	33.908	5.88	0.62	25.216	0.000	1504.	1.9
4	4.0	14.607	33.903	5.96	0.62	25.212	0.006	1504.	1.9
6	6.0	14.595	33.897	6.00	0.62	25.210	0.012	1504.	1.9
8	8.0	14.633	33.920	5.97	0.61	25.219	0.017	1504.	1.9
10	10.0	14.746	33.956	5.94	0.62	25.223	0.023	1505.	1.9
12	12.0	14.759	33.959	5.94	0.61	25.223	0.028	1505.	2.2
14	14.0	14.804	33.970	5.88	0.62	25.221	0.033	1505.	2.3
16	16.2	14.860	33.993	5.92	0.62	25.227	0.040	1505.	2.1
18	17.8	14.915	34.015	5.88	0.62	25.232	0.044	1506.	2.1
20	20.0	14.964	34.035	5.90	0.63	25.237	0.050	1506.	2.1
22	21.9	14.983	34.043	5.83	0.63	25.239	0.055	1506.	2.1
24	24.0	14.996	34.047	5.88	0.63	25.239	0.061	1506.	2.0
26	26.1	15.012	34.054	5.86	0.64	25.240	0.066	1506.	2.2
28	27.9	15.030	34.060	5.87	0.64	25.242	0.071	1506.	2.5
30	30.2	15.106	34.088	5.89	0.64	25.247	0.078	1506.	2.8
32	31.9	15.171	34.110	5.82	0.65	25.249	0.082	1507.	3.0
34	34.2	15.310	34.166	5.81	0.65	25.262	0.089	1507.	3.2
36	36.0	15.467	34.225	5.75	0.65	25.272	0.093	1508.	3.2
38	38.1	15.554	34.256	5.75	0.65	25.277	0.099	1508.	3.2
40	39.9	15.462	34.229	5.74	0.66	25.277	0.104	1508.	3.1
42	42.0	15.545	34.267	5.73	0.66	25.288	0.110	1508.	2.9
44	44.2	15.592	34.289	5.74	0.66	25.294	0.115	1508.	3.3
45	45.7	15.635	34.306	5.62	0.66	25.297	0.120	1509.	4.4
48	48.0	15.664	34.316	5.62	0.65	25.298	0.126	1509.	5.2
50	50.2	15.606	34.312	5.63	0.64	25.308	0.132	1509.	5.6
52	51.9	15.604	34.355	5.44	0.63	25.342	0.136	1509.	6.1
54	54.0	15.616	34.436	5.31	0.62	25.402	0.141	1509.	6.8
56	56.2	15.574	34.451	5.25	0.61	25.422	0.147	1509.	8.5
57	57.9	15.556	34.456	5.07	0.62	25.430	0.151	1509.	9.9
60	60.0	15.190	34.382	4.99	0.61	25.455	0.157	1508.	11.3
62	62.0	14.710	34.357	4.95	0.61	25.540	0.162	1506.	12.1
63	63.9	14.812	34.643	4.74	0.61	25.739	0.166	1507.	12.6
65	66.0	15.256	34.924	4.60	0.60	25.858	0.171	1508.	12.5
68	68.2	15.137	35.105	4.48	0.59	26.023	0.175	1508.	12.1
69	69.9	15.088	35.139	4.27	0.59	26.061	0.179	1508.	11.1
71	72.0	15.084	35.170	4.26	0.58	26.085	0.183	1508.	9.7
74	74.2	15.034	35.229	4.25	0.59	26.142	0.187	1508.	9.0
75	75.9	14.926	35.248	4.24	0.59	26.180	0.190	1508.	8.6
77	77.9	14.787	35.255	4.27	0.59	26.216	0.194	1508.	8.8
79	80.0	14.546	35.250	4.29	0.59	26.265	0.198	1507.	9.1
81	82.1	14.177	35.239	4.28	0.60	26.335	0.201	1506.	9.0
83	83.9	13.974	35.282	4.24	0.60	26.412	0.205	1505.	8.9
85	86.0	13.958	35.310	4.25	0.60	26.437	0.208	1505.	8.5
88	88.2	14.208	35.459	4.21	0.59	26.498	0.211	1506.	7.8
89	89.8	14.348	35.531	4.17	0.59	26.524	0.214	1507.	7.0
91	92.1	14.254	35.550	4.18	0.59	26.559	0.217	1506.	6.2
93	93.9	14.121	35.526	4.17	0.59	26.569	0.220	1506.	5.5
96	96.3	13.943	35.493	4.14	0.60	26.581	0.223	1505.	4.5
97	97.9	13.946	35.512	4.11	0.60	26.595	0.226	1506.	3.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	60	15 NOV 1982	01.3	40 20.3 N	68 08.9 W	695

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	100.2	14.028	35.544	4.09	0.60	26.602	0.229	1506.	3.8
101	101.9	14.040	35.547	4.07	0.60	26.602	0.232	1506.	4.0
103	104.0	14.059	35.553	4.05	0.60	26.603	0.235	1506.	4.4
105	106.0	14.145	35.586	4.04	0.60	26.610	0.238	1506.	4.8
107	108.1	14.242	35.664	3.99	0.60	26.650	0.241	1507.	5.1
109	109.9	14.134	35.654	3.96	0.60	26.665	0.243	1506.	5.5
111	112.2	13.960	35.634	3.96	0.60	26.686	0.246	1506.	5.6
113	113.8	13.840	35.623	3.93	0.61	26.704	0.249	1506.	5.5
115	116.1	13.749	35.620	3.91	0.61	26.720	0.252	1505.	5.1
117	117.9	13.631	35.615	3.89	0.61	26.741	0.254	1505.	4.8
119	120.0	13.530	35.611	3.89	0.61	26.759	0.257	1505.	4.4
121	122.0	13.488	35.609	3.89	0.61	26.766	0.259	1505.	4.1
123	124.3	13.442	35.604	3.91	0.61	26.772	0.262	1504.	4.0
125	125.9	13.424	35.606	3.89	0.62	26.777	0.265	1504.	3.8
127	128.0	13.411	35.608	3.89	0.62	26.781	0.267	1504.	3.7
129	130.1	13.367	35.613	3.89	0.62	26.794	0.270	1504.	3.7
131	131.8	13.277	35.614	3.86	0.62	26.813	0.272	1504.	3.7
133	134.0	13.263	35.618	3.85	0.62	26.819	0.275	1504.	3.7
135	136.0	13.262	35.621	3.84	0.62	26.822	0.277	1504.	3.5
137	138.1	13.219	35.616	3.80	0.62	26.826	0.280	1504.	3.3
139	140.1	13.145	35.607	3.78	0.63	26.834	0.282	1504.	3.3
141	141.9	13.087	35.604	3.77	0.63	26.844	0.285	1504.	3.4
143	144.3	13.013	35.591	3.76	0.62	26.849	0.288	1503.	3.5
145	145.7	12.903	35.568	3.76	0.63	26.853	0.289	1503.	3.7
147	148.1	12.802	35.562	3.75	0.63	26.869	0.292	1503.	3.9
149	149.9	12.755	35.557	3.71	0.64	26.875	0.294	1503.	4.0
151	152.1	12.709	35.555	3.68	0.64	26.882	0.297	1502.	4.1
153	153.9	12.636	35.552	3.65	0.64	26.895	0.299	1502.	4.1
155	156.1	12.547	35.553	3.64	0.64	26.913	0.302	1502.	4.0
157	158.0	12.516	35.555	3.64	0.64	26.920	0.304	1502.	3.9
159	159.9	12.474	35.555	3.62	0.64	26.928	0.306	1502.	3.8
161	162.1	12.447	35.554	3.60	0.64	26.933	0.309	1502.	3.7
163	164.0	12.372	35.549	3.59	0.64	26.944	0.311	1501.	3.5
165	166.1	12.301	35.538	3.59	0.64	26.949	0.313	1501.	3.6
167	168.0	12.166	35.513	3.59	0.65	26.956	0.316	1501.	3.6
169	170.0	12.060	35.501	3.57	0.65	26.968	0.318	1500.	3.7
171	171.9	12.015	35.498	3.53	0.65	26.974	0.320	1500.	3.7
173	174.1	11.955	35.495	3.52	0.65	26.983	0.322	1500.	3.8
174	175.8	11.896	35.489	3.51	0.65	26.990	0.324	1500.	3.7
177	178.0	11.879	35.505	3.48	0.65	27.005	0.327	1500.	3.7
178	179.9	11.828	35.496	3.47	0.65	27.008	0.329	1500.	3.8
181	182.1	11.771	35.495	3.44	0.65	27.018	0.331	1500.	3.9
182	183.9	11.658	35.473	3.43	0.65	27.022	0.333	1499.	3.8
184	186.0	11.480	35.449	3.40	0.65	27.037	0.335	1499.	3.7
186	188.0	11.439	35.454	3.38	0.65	27.049	0.337	1499.	3.6
189	190.1	11.359	35.447	3.39	0.65	27.058	0.340	1498.	3.4
191	192.1	11.327	35.444	3.39	0.65	27.062	0.342	1498.	3.1
192	193.9	11.296	35.441	3.38	0.65	27.065	0.344	1498.	2.8
194	196.0	11.256	35.436	3.36	0.65	27.069	0.346	1498.	2.7
196	198.0	11.218	35.433	3.35	0.65	27.074	0.348	1498.	2.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	60	15 NOV 1982	01.3	40 20.3 N	68 08.9 W	695

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
198	200.1	11.218	35.434	3.37	0.65	27.074	0.350	1498.	2.8
200	201.9	11.139	35.421	3.38	0.65	27.078	0.352	1498.	3.0
202	204.1	10.992	35.402	3.39	0.65	27.091	0.354	1497.	3.1
204	205.9	10.932	35.392	3.43	0.66	27.094	0.356	1497.	3.0
206	208.0	10.852	35.381	3.43	0.66	27.100	0.358	1497.	3.0
208	210.0	10.768	35.370	3.46	0.66	27.106	0.360	1496.	2.9
210	211.9	10.738	35.369	3.48	0.67	27.111	0.362	1496.	2.7
212	214.1	10.720	35.367	3.47	0.66	27.113	0.364	1496.	2.6
214	216.0	10.671	35.361	3.50	0.67	27.117	0.366	1496.	2.6
216	217.8	10.624	35.356	3.48	0.67	27.121	0.368	1496.	2.8
218	220.0	10.568	35.348	3.45	0.67	27.125	0.370	1496.	3.2
220	222.1	10.551	35.347	3.46	0.67	27.127	0.372	1496.	3.5
222	223.9	10.468	35.337	3.50	0.67	27.134	0.374	1496.	3.6
224	226.0	10.320	35.325	3.49	0.67	27.151	0.376	1495.	3.6
226	228.1	10.170	35.310	3.46	0.67	27.165	0.378	1495.	3.6
228	229.8	10.143	35.309	3.49	0.67	27.169	0.379	1494.	3.8
230	232.0	10.121	35.309	3.47	0.67	27.173	0.381	1494.	3.7
232	234.1	10.065	35.301	3.46	0.67	27.177	0.383	1494.	3.5
234	235.9	9.986	35.294	3.50	0.67	27.184	0.385	1494.	3.4
236	238.0	9.789	35.274	3.49	0.67	27.203	0.387	1493.	3.6
238	240.1	9.742	35.271	3.48	0.67	27.208	0.389	1493.	3.7
240	242.0	9.749	35.274	3.47	0.67	27.209	0.390	1493.	3.9
242	244.0	9.694	35.270	3.46	0.67	27.215	0.392	1493.	3.9
244	246.0	9.506	35.248	3.47	0.66	27.230	0.394	1492.	3.9
246	248.2	9.381	35.234	3.48	0.67	27.240	0.396	1492.	3.9
248	249.9	9.222	35.220	3.51	0.67	27.255	0.397	1491.	3.9
250	251.9	9.147	35.216	3.53	0.67	27.264	0.399	1491.	3.6
252	254.0	9.092	35.211	3.53	0.67	27.269	0.401	1491.	3.3
254	256.1	9.056	35.208	3.51	0.66	27.273	0.403	1491.	3.3
256	257.9	9.039	35.207	3.55	0.66	27.274	0.404	1491.	3.2
258	260.0	9.008	35.205	3.56	0.67	27.278	0.406	1491.	3.6
260	262.1	8.837	35.184	3.58	0.66	27.289	0.408	1490.	4.0
262	263.8	8.727	35.178	3.62	0.67	27.301	0.409	1490.	4.3
264	266.1	8.663	35.176	3.62	0.66	27.310	0.411	1490.	4.4
266	268.0	8.436	35.153	3.67	0.67	27.328	0.412	1489.	4.3
268	269.9	8.312	35.150	3.71	0.67	27.344	0.414	1488.	4.0
270	272.1	8.228	35.143	3.73	0.67	27.352	0.416	1488.	3.6
272	274.0	8.210	35.144	3.75	0.67	27.355	0.417	1488.	3.0
274	276.1	8.183	35.142	3.75	0.67	27.358	0.419	1488.	2.4
276	277.9	8.175	35.142	3.79	0.67	27.359	0.420	1488.	1.7
278	280.0	8.167	35.142	3.78	0.67	27.360	0.422	1488.	1.3
280	282.1	8.165	35.142	3.77	0.67	27.361	0.423	1488.	1.0
282	283.9	8.167	35.142	3.77	0.67	27.360	0.425	1488.	0.7
284	286.1	8.167	35.142	3.74	0.67	27.360	0.426	1488.	0.6
286	288.1	8.160	35.141	3.74	0.67	27.361	0.428	1488.	0.5
288	290.0	8.156	35.140	3.77	0.67	27.361	0.429	1488.	0.4
289	291.9	8.157	35.140	3.78	0.67	27.361	0.431	1488.	0.4
291	293.9	8.157	35.141	3.76	0.67	27.361	0.432	1488.	0.5
294	296.0	8.158	35.141	3.71	0.66	27.361	0.434	1488.	0.6
295	298.0	8.154	35.140	3.73	0.67	27.361	0.435	1488.	0.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	60	15 NOV 1982	01.3	40 20.3 N	68 08.9 W	695

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
297	300.0	8.156	35.140	3.74	0.67	27.361	0.437	1488.	0.9
299	302.0	8.141	35.139	3.73	0.67	27.362	0.438	1488.	1.1
302	304.1	8.132	35.138	3.72	0.67	27.363	0.440	1488.	1.2
303	305.9	8.129	35.138	3.77	0.67	27.363	0.441	1488.	1.3
305	307.9	8.113	35.137	3.77	0.67	27.365	0.443	1488.	1.5
307	310.1	8.101	35.136	3.73	0.67	27.366	0.444	1488.	1.6
309	312.1	8.090	35.136	3.77	0.67	27.367	0.446	1488.	1.8
311	314.0	8.077	35.135	3.78	0.67	27.368	0.447	1488.	2.1
313	316.1	8.051	35.135	3.78	0.66	27.373	0.449	1488.	2.4
316	318.3	8.035	35.134	3.80	0.67	27.374	0.451	1488.	2.8
317	319.8	7.978	35.128	3.85	0.68	27.378	0.452	1488.	3.1
319	322.0	7.934	35.129	3.84	0.67	27.386	0.453	1488.	3.2
321	324.2	7.844	35.122	3.84	0.67	27.393	0.455	1487.	3.2
323	325.9	7.678	35.106	3.92	0.68	27.406	0.456	1487.	3.0
325	327.9	7.645	35.106	3.94	0.68	27.410	0.458	1487.	2.7
327	330.0	7.638	35.106	3.92	0.68	27.411	0.459	1487.	2.3
329	332.2	7.635	35.107	3.92	0.68	27.412	0.461	1487.	2.1
331	333.9	7.633	35.107	3.95	0.68	27.412	0.462	1487.	2.0
333	336.0	7.625	35.106	3.93	0.68	27.413	0.463	1487.	2.2
335	338.1	7.585	35.101	3.93	0.68	27.415	0.465	1487.	2.6
337	340.0	7.474	35.090	3.98	0.68	27.423	0.466	1486.	2.9
339	341.9	7.445	35.092	4.00	0.68	27.428	0.468	1486.	3.0
341	344.0	7.372	35.085	3.98	0.68	27.434	0.469	1486.	2.9
343	346.2	7.280	35.081	3.98	0.68	27.443	0.471	1486.	2.7
345	347.8	7.265	35.081	4.02	0.68	27.446	0.472	1485.	2.4
347	350.0	7.253	35.081	4.04	0.68	27.447	0.473	1485.	2.1
349	352.1	7.253	35.081	4.06	0.68	27.448	0.475	1486.	1.7
351	353.9	7.252	35.081	4.09	0.68	27.447	0.476	1486.	1.4
353	356.0	7.242	35.081	4.09	0.68	27.449	0.477	1486.	1.4
355	358.2	7.220	35.080	4.10	0.68	27.451	0.479	1485.	1.4
357	359.9	7.214	35.081	4.12	0.68	27.453	0.480	1485.	1.4
359	362.0	7.211	35.082	4.12	0.68	27.454	0.481	1486.	1.3
361	364.0	7.211	35.083	4.12	0.68	27.455	0.483	1486.	1.2
363	366.2	7.212	35.084	4.10	0.68	27.455	0.484	1486.	1.0
365	367.9	7.214	35.085	4.17	0.69	27.456	0.485	1486.	1.0
367	369.9	7.216	35.085	4.14	0.69	27.455	0.487	1486.	1.2
369	372.0	7.207	35.085	4.15	0.68	27.457	0.488	1486.	1.5
371	374.1	7.203	35.085	4.15	0.68	27.457	0.490	1486.	1.7
373	375.8	7.197	35.085	4.20	0.69	27.458	0.491	1486.	1.8
375	378.0	7.150	35.083	4.19	0.69	27.464	0.492	1486.	1.8
377	380.2	7.108	35.080	4.19	0.69	27.467	0.494	1485.	1.8
379	381.8	7.100	35.079	4.23	0.69	27.468	0.495	1485.	1.7
381	384.0	7.088	35.078	4.20	0.69	27.468	0.496	1485.	1.5
383	386.0	7.079	35.077	4.22	0.69	27.469	0.498	1485.	1.2
385	388.2	7.063	35.075	4.23	0.69	27.469	0.499	1485.	1.1
386	389.8	7.053	35.074	4.24	0.69	27.470	0.500	1485.	1.2
389	392.1	7.042	35.073	4.23	0.69	27.471	0.502	1485.	1.2
391	393.9	7.037	35.073	4.23	0.69	27.471	0.503	1485.	1.2
393	396.1	7.027	35.073	4.20	0.69	27.473	0.504	1485.	1.2
395	398.0	7.023	35.074	4.23	0.69	27.474	0.506	1485.	1.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	60	15 NOV 1982	01.3	40 20.3 N	68 08.9 W	695

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
397	400.1	7.023	35.074	4.24	0.69	27.474	0.507	1485.	1.4
398	402.0	7.023	35.074	4.23	0.69	27.475	0.508	1485.	1.4
400	404.0	7.019	35.075	4.26	0.69	27.475	0.510	1485.	1.4
402	405.9	6.994	35.075	4.27	0.70	27.479	0.511	1485.	1.4
405	408.0	6.989	35.075	4.26	0.69	27.480	0.512	1485.	1.4
407	410.2	6.981	35.076	4.29	0.70	27.481	0.514	1485.	1.4
408	411.9	6.985	35.076	4.32	0.70	27.481	0.515	1485.	1.3
410	414.1	6.977	35.075	4.30	0.70	27.482	0.516	1485.	1.2
412	416.1	6.961	35.075	4.30	0.70	27.483	0.518	1485.	1.2
414	417.9	6.955	35.074	4.35	0.70	27.484	0.519	1485.	1.2
416	420.0	6.944	35.074	4.35	0.70	27.485	0.520	1485.	1.3
418	422.1	6.937	35.074	4.33	0.70	27.486	0.521	1485.	1.3
420	423.9	6.932	35.074	4.35	0.70	27.487	0.523	1485.	1.3
422	426.0	6.928	35.074	4.34	0.70	27.487	0.524	1485.	1.3
424	427.9	6.919	35.074	4.34	0.71	27.488	0.525	1485.	1.3
426	430.1	6.918	35.075	4.33	0.71	27.490	0.527	1485.	1.3
428	431.9	6.914	35.075	4.37	0.71	27.490	0.528	1486.	1.3
430	434.0	6.907	35.075	4.38	0.71	27.491	0.529	1486.	1.4
432	436.1	6.896	35.075	4.38	0.71	27.493	0.531	1486.	1.6
434	437.9	6.877	35.073	4.40	0.72	27.494	0.532	1485.	1.8
436	440.1	6.858	35.071	4.42	0.71	27.495	0.533	1485.	1.9
438	441.9	6.821	35.067	4.42	0.71	27.497	0.534	1485.	1.9
440	444.0	6.756	35.064	4.42	0.71	27.503	0.536	1485.	1.8
442	446.2	6.750	35.065	4.41	0.71	27.505	0.537	1485.	1.7
444	447.9	6.747	35.065	4.45	0.72	27.505	0.538	1485.	1.6
446	450.0	6.744	35.064	4.43	0.72	27.505	0.540	1485.	1.3
448	452.1	6.741	35.065	4.41	0.72	27.506	0.541	1485.	1.0
450	454.0	6.732	35.064	4.44	0.72	27.507	0.542	1485.	1.0
452	455.9	6.727	35.064	4.46	0.72	27.507	0.543	1485.	1.4
454	458.0	6.726	35.064	4.43	0.72	27.507	0.545	1485.	1.8
456	460.1	6.723	35.064	4.42	0.71	27.507	0.546	1485.	2.0
458	461.9	6.686	35.061	4.47	0.72	27.510	0.547	1485.	2.3
460	464.0	6.632	35.060	4.51	0.72	27.517	0.548	1485.	2.5
462	466.1	6.595	35.059	4.51	0.72	27.522	0.550	1485.	2.7
464	468.0	6.573	35.059	4.55	0.73	27.524	0.551	1485.	2.7
466	470.0	6.477	35.049	4.56	0.73	27.529	0.552	1484.	2.6
468	472.0	6.432	35.047	4.58	0.72	27.534	0.553	1484.	2.4
470	474.1	6.395	35.045	4.60	0.72	27.537	0.555	1484.	2.2
472	475.9	6.385	35.046	4.66	0.73	27.539	0.556	1484.	1.9
474	478.0	6.376	35.046	4.63	0.73	27.540	0.557	1484.	1.5
476	480.0	6.375	35.048	4.62	0.73	27.542	0.558	1484.	1.1
478	482.0	6.377	35.047	4.63	0.73	27.541	0.559	1484.	0.8
480	484.0	6.377	35.048	4.62	0.73	27.541	0.561	1484.	0.7
482	486.0	6.382	35.048	4.63	0.73	27.541	0.562	1484.	0.6
484	488.0	6.383	35.048	4.64	0.73	27.541	0.563	1484.	0.4
486	490.0	6.375	35.048	4.59	0.73	27.542	0.564	1484.	0.5
487	491.3	6.368	35.047	4.59	0.73	27.542	0.565	1484.	0.8
488	492.1	6.372	35.048	4.61	0.73	27.542	0.566	1484.	1.2
489	492.9	6.378	35.048	4.66	0.73	27.541	0.566	1484.	1.4
490	494.0	6.378	35.048	4.64	0.73	27.542	0.567	1484.	1.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	60	15 NOV 1982	01.3	40 20.3 N	68 08.9 W	695

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
491	495.0	6.358	35.048	4.63	0.73	27.544	0.567	1484.	1.7
492	496.0	6.345	35.049	4.63	0.73	27.546	0.568	1484.	1.8
493	497.1	6.324	35.044	4.61	0.73	27.545	0.569	1484.	1.9
494	498.1	6.314	35.043	4.65	0.73	27.546	0.569	1484.	1.8
495	498.9	6.306	35.044	4.65	0.74	27.548	0.570	1484.	1.8
496	500.0	6.295	35.043	4.66	0.73	27.549	0.570	1484.	1.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	61	15 NOV 1982	02.2	40 16.4 N	68 06.8 W	1240

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	1.9	16.667	34.821	5.50	0.59	25.457	0.000	1512.	-0.7
4	4.1	16.674	34.821	5.55	0.58	25.455	0.005	1512.	-0.7
6	5.9	16.671	34.821	5.45	0.58	25.455	0.010	1512.	-0.7
8	8.0	16.670	34.821	5.40	0.58	25.456	0.015	1512.	-0.7
10	9.9	16.672	34.821	5.35	0.59	25.455	0.020	1512.	-0.7
12	12.2	16.678	34.821	5.41	0.59	25.454	0.026	1512.	-0.6
14	13.8	16.678	34.820	5.43	0.59	25.453	0.030	1512.	-0.6
16	16.1	16.678	34.820	5.49	0.59	25.453	0.036	1512.	-0.5
18	17.9	16.678	34.820	5.51	0.59	25.453	0.040	1512.	-0.1
20	19.9	16.679	34.820	5.48	0.59	25.453	0.045	1512.	0.5
22	22.1	16.677	34.820	5.52	0.59	25.453	0.051	1512.	0.5
24	23.8	16.677	34.821	5.47	0.60	25.454	0.055	1512.	0.6
26	26.1	16.678	34.821	5.49	0.60	25.454	0.061	1512.	0.5
28	27.8	16.677	34.821	5.52	0.60	25.454	0.065	1512.	0.5
30	30.0	16.676	34.821	5.48	0.61	25.454	0.071	1512.	0.6
32	32.0	16.675	34.821	5.52	0.61	25.454	0.076	1512.	0.6
34	34.0	16.677	34.821	5.50	0.61	25.454	0.081	1512.	1.0
36	36.0	16.674	34.820	5.51	0.61	25.454	0.086	1512.	1.3
38	38.0	16.671	34.820	5.44	0.61	25.455	0.091	1512.	4.3
40	40.0	16.669	34.820	5.34	0.62	25.455	0.096	1512.	6.5
42	42.0	16.640	34.818	5.26	0.62	25.460	0.101	1512.	7.7
44	44.0	16.625	34.817	5.20	0.62	25.463	0.106	1512.	8.4
46	46.1	15.800	34.770	5.22	0.59	25.617	0.111	1510.	8.6
48	48.0	15.483	34.814	5.04	0.58	25.722	0.116	1509.	8.4
50	50.1	15.399	34.805	4.90	0.57	25.734	0.120	1509.	7.7
52	52.1	15.390	34.807	4.79	0.57	25.738	0.125	1509.	6.6
53	53.9	15.395	34.810	4.70	0.58	25.739	0.129	1509.	4.8
56	56.0	15.414	34.823	4.69	0.58	25.745	0.134	1509.	4.4
58	58.2	15.458	34.847	4.72	0.57	25.753	0.139	1509.	6.5
59	59.8	15.470	34.858	4.66	0.58	25.759	0.142	1509.	8.2
62	62.1	15.475	34.908	4.63	0.57	25.796	0.148	1509.	9.2
63	63.9	15.334	34.927	4.59	0.58	25.843	0.151	1509.	9.7
65	66.0	14.679	34.979	4.60	0.57	26.027	0.156	1507.	9.6
68	68.2	14.361	34.984	4.51	0.57	26.099	0.160	1506.	9.1
69	69.9	14.317	34.992	4.37	0.57	26.114	0.163	1506.	8.2
71	72.0	14.276	34.993	4.32	0.57	26.124	0.167	1506.	7.3
73	74.1	14.248	34.992	4.33	0.57	26.129	0.171	1505.	6.2
75	75.9	14.226	34.992	4.36	0.57	26.134	0.175	1505.	6.2
77	78.0	14.211	35.015	4.36	0.58	26.155	0.179	1505.	7.0
79	80.1	14.517	35.201	4.35	0.57	26.233	0.182	1507.	7.6
81	81.8	14.665	35.278	4.30	0.57	26.261	0.186	1507.	7.9
83	84.0	14.792	35.358	4.19	0.58	26.295	0.189	1508.	8.1
85	86.0	14.908	35.479	4.18	0.57	26.363	0.193	1508.	8.0
87	88.1	14.887	35.511	4.15	0.57	26.391	0.196	1508.	7.8
89	89.9	14.844	35.530	4.08	0.58	26.416	0.199	1508.	7.7
91	92.2	14.753	35.566	4.08	0.57	26.464	0.203	1508.	7.3
93	93.8	14.679	35.586	4.04	0.57	26.495	0.206	1508.	6.6
95	96.0	14.571	35.620	3.99	0.58	26.545	0.209	1508.	6.0
97	98.1	14.586	35.636	4.00	0.57	26.554	0.212	1508.	5.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	61	15 NOV 1982	02.2	40 16.4 N	68 06.8 W	1240

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	99.9	14.603	35.643	3.97	0.58	26.556	0.215	1508.	4.2
101	102.1	14.616	35.648	3.98	0.57	26.557	0.218	1508.	3.4
103	103.9	14.619	35.652	4.01	0.57	26.559	0.221	1508.	3.0
105	105.9	14.611	35.655	3.96	0.58	26.563	0.224	1508.	3.5
107	108.0	14.613	35.664	3.98	0.58	26.570	0.227	1508.	4.1
109	110.0	14.586	35.668	3.99	0.58	26.579	0.230	1508.	4.5
111	112.0	14.383	35.641	3.96	0.59	26.602	0.233	1507.	4.8
113	114.2	14.187	35.609	3.98	0.58	26.619	0.236	1507.	4.8
115	115.9	14.064	35.602	3.98	0.59	26.640	0.238	1506.	4.7
117	118.1	14.010	35.603	3.96	0.59	26.652	0.241	1506.	4.5
119	119.8	13.974	35.603	3.93	0.59	26.659	0.244	1506.	4.4
121	122.0	13.952	35.605	3.87	0.60	26.665	0.247	1506.	4.6
123	124.0	13.925	35.604	3.89	0.59	26.671	0.250	1506.	4.8
125	126.1	13.860	35.604	3.92	0.60	26.685	0.253	1506.	4.9
127	127.9	13.780	35.621	3.91	0.60	26.714	0.255	1506.	4.9
129	130.0	13.731	35.643	3.89	0.60	26.742	0.258	1505.	4.8
131	132.0	13.693	35.649	3.89	0.61	26.754	0.261	1505.	4.6
133	134.0	13.681	35.651	3.89	0.61	26.758	0.263	1505.	4.1
135	136.2	13.662	35.650	3.90	0.60	26.761	0.266	1505.	3.5
137	137.9	13.624	35.651	3.88	0.61	26.770	0.268	1505.	3.3
139	140.0	13.641	35.662	3.88	0.60	26.775	0.271	1505.	3.4
141	142.0	13.654	35.669	3.90	0.60	26.778	0.274	1505.	3.5
143	144.0	13.677	35.688	3.89	0.60	26.788	0.276	1506.	3.7
145	146.0	13.612	35.690	3.89	0.61	26.803	0.279	1505.	3.8
147	148.0	13.579	35.692	3.88	0.60	26.811	0.281	1505.	3.9
149	150.0	13.589	35.704	3.87	0.60	26.818	0.284	1505.	3.8
151	152.1	13.526	35.701	3.86	0.61	26.829	0.286	1505.	3.7
153	153.9	13.491	35.706	3.83	0.60	26.840	0.289	1505.	3.6
155	156.0	13.488	35.712	3.79	0.61	26.846	0.291	1505.	3.5
157	158.2	13.412	35.697	3.78	0.60	26.849	0.294	1505.	3.4
159	159.8	13.328	35.682	3.77	0.61	26.855	0.296	1505.	3.4
161	162.0	13.204	35.665	3.75	0.61	26.867	0.299	1504.	3.4
163	164.2	13.147	35.656	3.73	0.61	26.872	0.301	1504.	3.3
164	165.8	13.093	35.647	3.69	0.62	26.876	0.303	1504.	3.4
167	168.0	12.973	35.634	3.66	0.63	26.890	0.306	1504.	3.4
169	170.1	12.917	35.622	3.66	0.61	26.892	0.309	1503.	3.4
170	171.7	12.858	35.606	3.65	0.62	26.892	0.310	1503.	3.5
173	174.1	12.705	35.587	3.61	0.62	26.908	0.313	1503.	3.7
175	176.0	12.715	35.601	3.59	0.62	26.916	0.316	1503.	3.9
176	177.9	12.730	35.610	3.56	0.62	26.920	0.318	1503.	4.1
179	180.0	12.641	35.606	3.53	0.63	26.936	0.320	1503.	4.2
181	182.0	12.533	35.594	3.50	0.61	26.947	0.323	1502.	4.1
182	184.0	12.426	35.589	3.43	0.63	26.964	0.325	1502.	4.3
185	186.1	12.383	35.584	3.38	0.62	26.969	0.327	1502.	4.3
186	188.0	12.301	35.574	3.39	0.62	26.977	0.329	1502.	4.1
188	190.0	12.193	35.554	3.38	0.62	26.983	0.332	1501.	3.8
190	191.9	11.951	35.529	3.34	0.64	27.010	0.334	1500.	3.6
192	194.0	11.922	35.524	3.32	0.63	27.012	0.336	1500.	3.4
194	195.9	11.921	35.524	3.34	0.62	27.012	0.338	1500.	3.3
196	197.9	11.909	35.524	3.35	0.66	27.014	0.340	1500.	3.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	61	15 NOV 1982	02.2	40 16.4 N	68 06.8 W	1240

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
198	200.0	11.846	35.520	3.34	0.66	27.023	0.342	1500.	3.2
201	202.2	11.738	35.499	3.36	0.62	27.027	0.345	1500.	3.4
202	203.9	11.643	35.486	3.36	0.64	27.035	0.347	1500.	3.5
204	206.0	11.537	35.479	3.34	0.65	27.050	0.349	1499.	3.5
207	208.3	11.400	35.459	3.35	0.62	27.060	0.351	1499.	3.3
208	209.7	11.385	35.454	3.36	0.63	27.058	0.353	1499.	3.2
210	212.0	11.314	35.449	3.32	0.64	27.068	0.355	1498.	3.0
212	214.1	11.284	35.445	3.33	0.63	27.070	0.357	1498.	2.9
214	216.0	11.232	35.436	3.35	0.62	27.073	0.359	1498.	2.9
216	217.9	11.180	35.432	3.34	0.63	27.080	0.361	1498.	3.0
218	220.0	11.117	35.425	3.33	0.63	27.085	0.363	1498.	3.1
220	222.1	11.015	35.411	3.35	0.63	27.093	0.365	1498.	3.2
222	224.0	10.938	35.401	3.38	0.63	27.100	0.367	1497.	3.4
224	225.9	10.912	35.400	3.35	0.63	27.104	0.369	1497.	3.5
226	228.0	10.822	35.390	3.35	0.64	27.112	0.371	1497.	3.5
228	230.2	10.700	35.371	3.37	0.63	27.119	0.373	1497.	3.6
230	231.9	10.577	35.355	3.42	0.64	27.129	0.375	1496.	3.6
232	234.1	10.499	35.351	3.40	0.63	27.140	0.377	1496.	3.9
234	235.9	10.441	35.343	3.44	0.63	27.144	0.379	1496.	4.1
236	238.0	10.354	35.334	3.45	0.64	27.152	0.381	1495.	4.2
238	240.0	10.251	35.323	3.47	0.64	27.161	0.383	1495.	4.2
240	242.0	9.998	35.296	3.51	0.65	27.184	0.385	1494.	4.4
242	244.1	9.888	35.284	3.56	0.65	27.194	0.387	1494.	4.5
244	245.9	9.830	35.283	3.61	0.65	27.203	0.388	1494.	4.4
246	248.0	9.768	35.280	3.59	0.65	27.210	0.390	1493.	4.2
248	250.0	9.609	35.266	3.62	0.66	27.227	0.392	1493.	4.1
250	252.1	9.457	35.253	3.65	0.65	27.242	0.394	1492.	4.0
252	253.8	9.426	35.246	3.70	0.65	27.242	0.395	1492.	4.0
254	256.0	9.392	35.245	3.67	0.67	27.247	0.397	1492.	3.8
256	258.1	9.239	35.239	3.64	0.66	27.267	0.399	1492.	3.6
258	259.9	9.145	35.224	3.68	0.65	27.270	0.401	1491.	3.5
260	262.0	9.073	35.220	3.71	0.67	27.279	0.402	1491.	3.4
262	264.1	9.024	35.216	3.68	0.66	27.284	0.404	1491.	3.2
264	266.1	8.948	35.207	3.71	0.65	27.289	0.406	1491.	2.8
266	267.9	8.911	35.205	3.73	0.65	27.293	0.407	1491.	2.6
268	270.0	8.887	35.204	3.69	0.66	27.296	0.409	1490.	2.5
270	272.0	8.846	35.201	3.68	0.65	27.301	0.411	1490.	2.3
272	274.0	8.829	35.198	3.69	0.65	27.301	0.412	1490.	2.1
274	275.9	8.776	35.193	3.73	0.65	27.306	0.414	1490.	2.1
276	278.0	8.755	35.193	3.71	0.65	27.309	0.416	1490.	2.3
278	280.1	8.755	35.194	3.72	0.65	27.310	0.417	1490.	2.5
280	282.0	8.753	35.194	3.75	0.65	27.310	0.419	1490.	2.6
282	284.0	8.703	35.189	3.74	0.66	27.314	0.420	1490.	2.6
284	286.0	8.575	35.181	3.75	0.66	27.328	0.422	1490.	2.6
286	288.1	8.542	35.178	3.77	0.65	27.331	0.424	1489.	2.6
287	289.9	8.513	35.175	3.82	0.65	27.333	0.425	1489.	2.4
289	291.9	8.507	35.176	3.83	0.67	27.335	0.427	1489.	2.1
292	294.0	8.500	35.176	3.78	0.66	27.336	0.428	1489.	1.8
294	296.0	8.483	35.174	3.82	0.65	27.337	0.430	1489.	1.7
295	298.0	8.461	35.173	3.84	0.67	27.339	0.431	1489.	1.7

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DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
298	300.1	8.444	35.172	3.80	0.67	27.341	0.433	1489.	1.7
300	302.2	8.411	35.169	3.81	0.65	27.344	0.435	1489.	1.7
301	303.8	8.399	35.168	3.84	0.66	27.345	0.436	1489.	1.9
303	306.0	8.390	35.167	3.81	0.67	27.346	0.438	1489.	2.2
305	308.0	8.374	35.166	3.80	0.66	27.348	0.439	1489.	2.4
307	310.0	8.342	35.163	3.82	0.65	27.350	0.441	1489.	2.6
309	312.0	8.232	35.151	3.86	0.65	27.357	0.442	1489.	2.7
311	314.0	8.177	35.150	3.88	0.65	27.365	0.444	1488.	2.7
313	315.9	8.142	35.148	3.86	0.67	27.369	0.445	1488.	2.6
315	318.0	8.095	35.145	3.84	0.68	27.374	0.447	1488.	2.4
317	320.1	8.088	35.144	3.83	0.66	27.374	0.449	1488.	2.2
319	321.9	8.068	35.141	3.92	0.65	27.375	0.450	1488.	2.0
321	324.0	8.031	35.140	3.88	0.67	27.379	0.451	1488.	1.8
323	326.1	8.014	35.138	3.83	0.66	27.380	0.453	1488.	1.7
325	327.9	7.978	35.133	3.87	0.65	27.382	0.454	1488.	1.9
327	329.9	7.946	35.130	3.89	0.67	27.385	0.456	1488.	2.0
329	332.1	7.942	35.129	3.85	0.66	27.384	0.457	1488.	2.1
331	334.0	7.882	35.120	3.89	0.65	27.386	0.459	1488.	2.1
333	335.9	7.802	35.113	3.88	0.65	27.392	0.460	1487.	2.2
335	338.0	7.763	35.110	3.86	0.66	27.396	0.462	1487.	2.1
337	340.0	7.749	35.109	3.86	0.65	27.397	0.463	1487.	2.1
339	342.0	7.722	35.106	3.88	0.65	27.399	0.465	1487.	1.9
341	344.1	7.700	35.106	3.87	0.65	27.402	0.466	1487.	1.8
343	345.9	7.706	35.108	3.87	0.65	27.403	0.468	1487.	1.9
345	348.0	7.702	35.108	3.85	0.65	27.403	0.469	1487.	2.1
347	350.0	7.672	35.106	3.84	0.65	27.406	0.471	1487.	2.2
349	352.1	7.591	35.096	3.88	0.65	27.411	0.472	1487.	2.2
351	354.0	7.537	35.091	3.93	0.64	27.414	0.473	1487.	2.3
353	356.0	7.510	35.090	3.91	0.65	27.418	0.475	1487.	2.3
355	357.9	7.499	35.090	3.88	0.65	27.419	0.476	1487.	2.2
357	360.0	7.471	35.089	3.86	0.66	27.422	0.478	1486.	2.0
359	362.0	7.431	35.088	3.88	0.66	27.427	0.479	1486.	1.8
361	364.2	7.425	35.087	3.93	0.64	27.427	0.481	1486.	1.7
363	365.9	7.418	35.087	3.97	0.65	27.429	0.482	1486.	1.9
365	368.0	7.417	35.087	3.90	0.66	27.428	0.483	1486.	2.3
367	370.0	7.416	35.087	3.92	0.66	27.428	0.485	1486.	2.7
369	372.1	7.361	35.084	3.96	0.65	27.434	0.486	1486.	3.1
371	374.1	7.229	35.069	4.04	0.65	27.441	0.488	1486.	3.3
373	376.0	7.118	35.067	4.09	0.65	27.455	0.489	1485.	3.4
375	377.9	7.056	35.065	4.08	0.65	27.463	0.490	1485.	3.3
377	380.0	7.006	35.065	4.09	0.66	27.469	0.492	1485.	3.1
379	382.1	6.959	35.061	4.13	0.65	27.473	0.493	1485.	2.7
381	383.9	6.949	35.061	4.20	0.65	27.474	0.494	1485.	2.3
383	386.0	6.925	35.058	4.20	0.66	27.476	0.496	1485.	2.1
385	388.2	6.887	35.056	4.20	0.65	27.479	0.497	1485.	1.9
386	389.8	6.856	35.052	4.27	0.66	27.480	0.498	1485.	1.8
389	392.0	6.828	35.052	4.22	0.68	27.484	0.499	1484.	1.8
391	394.0	6.811	35.050	4.19	0.68	27.485	0.501	1484.	1.8
393	396.2	6.805	35.050	4.21	0.65	27.486	0.502	1484.	1.8
394	397.9	6.789	35.049	4.29	0.65	27.487	0.503	1484.	1.9

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DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
397	400.0	6.760	35.047	4.27	0.67	27.489	0.505	1484.	2.0
399	402.1	6.728	35.044	4.25	0.65	27.491	0.506	1484.	2.1
400	404.0	6.667	35.039	4.29	0.66	27.496	0.507	1484.	2.2
403	406.0	6.628	35.037	4.30	0.66	27.500	0.509	1484.	2.2
404	408.0	6.602	35.033	4.34	0.66	27.500	0.510	1484.	2.1
406	410.0	6.557	35.030	4.37	0.67	27.504	0.511	1484.	2.0
408	412.1	6.508	35.025	4.34	0.67	27.506	0.512	1484.	1.9
411	414.2	6.488	35.024	4.37	0.65	27.508	0.514	1483.	1.8
412	415.7	6.477	35.021	4.46	0.66	27.507	0.515	1483.	1.8
414	418.0	6.447	35.019	4.41	0.69	27.510	0.516	1483.	1.8
416	420.0	6.432	35.019	4.36	0.69	27.512	0.517	1483.	1.8
418	422.1	6.409	35.018	4.38	0.66	27.514	0.519	1483.	1.8
420	424.0	6.380	35.015	4.45	0.66	27.516	0.520	1483.	1.7
422	426.0	6.355	35.014	4.46	0.66	27.518	0.521	1483.	1.6
424	428.0	6.343	35.014	4.43	0.67	27.519	0.522	1483.	1.4
426	430.0	6.342	35.014	4.43	0.67	27.520	0.524	1483.	1.3
428	432.0	6.344	35.015	4.45	0.67	27.520	0.525	1483.	1.2
430	434.0	6.355	35.018	4.47	0.67	27.521	0.526	1483.	1.1
432	436.1	6.356	35.019	4.48	0.66	27.522	0.527	1483.	1.2
434	437.9	6.355	35.020	4.51	0.66	27.522	0.528	1483.	1.3
436	440.0	6.351	35.020	4.50	0.67	27.523	0.530	1483.	1.3
438	442.0	6.340	35.020	4.46	0.68	27.525	0.531	1483.	1.4
440	444.0	6.329	35.020	4.48	0.68	27.526	0.532	1483.	1.3
442	446.1	6.314	35.019	4.49	0.67	27.528	0.533	1483.	1.3
444	448.0	6.302	35.018	4.50	0.67	27.528	0.535	1483.	1.2
446	450.0	6.294	35.017	4.51	0.66	27.529	0.536	1483.	1.1
448	451.9	6.286	35.017	4.51	0.67	27.529	0.537	1483.	1.0
450	454.0	6.275	35.016	4.50	0.68	27.530	0.538	1483.	1.0
452	456.0	6.264	35.015	4.50	0.68	27.530	0.540	1483.	1.0
454	458.1	6.262	35.015	4.53	0.67	27.531	0.541	1483.	1.0
456	459.9	6.258	35.014	4.57	0.67	27.531	0.542	1483.	1.0
458	462.1	6.243	35.013	4.53	0.67	27.532	0.543	1483.	1.1
460	463.9	6.238	35.013	4.51	0.67	27.532	0.544	1483.	1.1
462	466.0	6.234	35.012	4.50	0.69	27.532	0.546	1483.	1.1
464	468.0	6.223	35.012	4.50	0.69	27.533	0.547	1483.	1.1
466	470.2	6.214	35.012	4.52	0.67	27.535	0.548	1483.	1.1
468	471.8	6.213	35.012	4.59	0.67	27.535	0.549	1483.	1.2
470	473.9	6.198	35.011	4.56	0.68	27.536	0.551	1483.	1.2
472	476.0	6.191	35.011	4.51	0.68	27.537	0.552	1483.	1.2
474	478.1	6.185	35.011	4.51	0.67	27.538	0.553	1483.	1.1
476	479.9	6.181	35.010	4.56	0.67	27.538	0.554	1483.	1.0
478	482.0	6.165	35.010	4.55	0.68	27.540	0.555	1483.	0.9
480	484.0	6.162	35.009	4.56	0.68	27.539	0.557	1483.	0.8
482	486.1	6.153	35.008	4.57	0.67	27.539	0.558	1483.	0.7
484	487.9	6.151	35.007	4.60	0.67	27.539	0.559	1483.	0.7
486	490.0	6.145	35.006	4.59	0.69	27.539	0.560	1483.	0.5
487	491.3	6.142	35.006	4.57	0.69	27.540	0.561	1483.	0.6
488	492.0	6.142	35.007	4.57	0.68	27.540	0.561	1483.	0.7
489	493.0	6.143	35.007	4.55	0.68	27.540	0.562	1483.	0.7
490	494.0	6.143	35.007	4.56	0.68	27.540	0.563	1483.	0.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	61	15 NOV 1982	02.2	40 16.4 N	68 06.8 W	1240

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
491	495.0	6.143	35.007	4.57	0.68	27.540	0.563	1483.	0.5
492	496.0	6.143	35.007	4.55	0.67	27.540	0.564	1483.	0.3
493	497.1	6.143	35.007	4.61	0.67	27.540	0.565	1483.	-0.3
493	497.9	6.144	35.007	4.64	0.68	27.540	0.565	1483.	-0.3
495	499.0	6.144	35.007	4.61	0.70	27.540	0.566	1484.	-0.3
496	500.0	6.144	35.007	4.60	0.71	27.540	0.566	1484.	0.0

STA 62 DAY: 15 TIME: 0251

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.7	16.2	57.1	15.7	82.7	14.6	125.9	13.8	152.4	13.1
0.9	16.2	57.5	15.8	84.1	14.6	126.2	13.8	153.0	13.0
2.0	16.2	58.1	15.7	85.4	14.6	126.9	13.7	153.8	13.0
3.5	16.2	59.0	15.7	86.8	14.6	127.6	13.6	155.2	13.0
4.8	16.2	59.4	15.7	87.8	14.6	128.2	13.6	155.3	13.0
5.6	16.2	59.8	15.7	89.0	14.6	128.4	13.6	155.6	12.9
6.0	16.3	60.3	15.6	90.2	14.6	128.6	13.5	155.9	12.8
7.3	16.3	60.5	15.6	91.5	14.6	129.4	13.4	156.4	12.7
8.8	16.3	60.7	15.6	92.2	14.5	129.5	13.3	156.8	12.7
10.0	16.3	60.8	15.5	92.6	14.5	129.9	13.3	157.5	12.6
10.3	16.3	61.5	15.5	93.2	14.5	130.3	13.2	158.0	12.5
12.2	16.3	62.0	15.5	95.4	14.5	130.9	13.2	158.4	12.5
14.0	16.3	62.2	15.6	97.2	14.4	131.6	13.1	159.1	12.4
15.5	16.3	62.6	15.6	98.9	14.4	132.3	13.1	160.3	12.4
17.3	16.3	63.1	15.5	100.3	14.4	132.9	13.1	161.8	12.4
18.7	16.3	63.2	15.5	101.5	14.4	133.4	13.1	163.9	12.4
20.8	16.3	63.3	15.4	102.1	14.4	133.8	13.1	165.4	12.3
22.1	16.3	63.7	15.3	102.6	14.4	134.6	13.1	166.8	12.3
23.9	16.3	64.1	15.2	103.1	14.4	136.0	13.1	168.1	12.3
25.3	16.3	64.1	15.1	103.6	14.3	136.8	13.1	169.1	12.3
26.3	16.3	64.5	15.0	103.8	14.3	137.4	13.1	169.8	12.3
27.9	16.3	64.4	15.0	104.9	14.3	137.9	13.0	170.8	12.4
29.1	16.3	64.9	14.9	105.2	14.3	138.1	12.9	171.6	12.4
30.8	16.3	65.1	14.8	105.6	14.4	138.1	12.8	172.0	12.4
32.2	16.3	65.2	14.7	105.9	14.4	138.5	12.8	172.7	12.4
34.0	16.4	65.5	14.7	106.8	14.4	138.7	12.7	173.1	12.3
35.8	16.3	65.8	14.6	107.7	14.4	139.2	12.6	173.9	12.3
37.4	16.4	66.0	14.5	108.1	14.4	139.7	12.5	174.8	12.3
38.8	16.3	66.3	14.5	108.4	14.4	140.0	12.4	175.8	12.2
39.7	16.4	66.7	14.4	109.2	14.3	140.5	12.4	176.7	12.2
40.9	16.4	67.3	14.5	110.2	14.3	141.0	12.4	178.2	12.1
41.9	16.4	67.3	14.6	111.5	14.3	142.1	12.4	179.5	12.1
43.3	16.4	67.5	14.7	112.7	14.3	142.9	12.4	180.4	12.0
44.4	16.5	67.7	14.8	113.8	14.3	143.8	12.4	181.5	11.9
46.2	16.5	68.2	14.8	114.6	14.3	144.2	12.5	183.2	11.9
48.5	16.5	68.7	14.8	115.5	14.3	144.5	12.6	184.4	11.9
50.4	16.4	69.2	14.8	116.3	14.2	144.6	12.7	186.3	11.9
52.9	16.4	69.7	14.8	116.9	14.2	145.0	12.8	188.6	11.8
53.3	16.4	70.3	14.8	117.8	14.2	145.5	12.9	190.6	11.8
53.9	16.3	71.1	14.8	118.6	14.1	145.8	12.9	193.6	11.8
54.3	16.2	71.9	14.8	119.0	14.1	146.2	13.0	194.3	11.8
54.5	16.1	73.0	14.8	119.7	14.0	147.0	13.0	195.7	11.7
54.7	16.1	73.8	14.7	120.6	14.0	147.8	13.1	197.1	11.7
55.1	16.0	74.3	14.7	120.9	14.0	148.8	13.1	198.6	11.7
55.2	16.0	76.0	14.7	121.9	14.0	149.4	13.2	200.4	11.6
55.5	15.9	77.2	14.7	122.8	14.0	150.1	13.2	201.9	11.6
55.8	15.8	78.6	14.7	124.0	13.9	150.8	13.2	203.7	11.6
56.0	15.7	79.6	14.7	124.9	13.9	151.3	13.2	205.6	11.5
56.1	15.7	80.9	14.7	125.5	13.9	151.5	13.1	207.6	11.5
56.5	15.7	81.8	14.7	125.5	13.8	151.9	13.1	209.4	11.4

STA 62 DAY: 15 TIME: 0251

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
210.9	11.4	261.8	9.3	319.1	8.1	394.9	6.8	492.4	6.1
212.4	11.3	263.1	9.3	319.8	8.1	397.0	6.8	493.9	6.1
214.3	11.3	264.6	9.3	320.5	8.1	400.2	6.8	495.3	6.1
215.9	11.2	266.4	9.3	322.8	8.0	402.8	6.8	497.0	6.1
217.6	11.2	266.8	9.3	323.9	8.0	405.8	6.8	498.3	6.0
218.6	11.1	268.6	9.2	325.2	8.0	406.8	6.8	499.0	6.0
219.1	11.0	269.8	9.2	326.3	7.9	409.2	6.8		
220.5	11.0	271.3	9.1	327.8	7.9	410.5	6.8		
221.9	11.0	272.8	9.1	328.8	7.9	412.3	6.7		
223.2	11.0	273.7	9.0	330.3	7.9	414.2	6.7		
224.6	11.0	275.3	9.0	331.2	7.8	416.5	6.7		
225.4	10.9	277.0	8.9	332.1	7.8	419.3	6.7		
226.0	10.9	278.1	8.9	332.8	7.7	423.3	6.7		
226.8	10.8	279.9	8.9	334.3	7.7	426.1	6.7		
227.9	10.7	281.1	8.9	335.5	7.7	429.4	6.7		
228.8	10.7	282.8	8.9	336.9	7.7	432.3	6.6		
229.8	10.6	284.1	8.9	338.1	7.6	434.6	6.6		
231.1	10.6	286.2	8.9	339.2	7.6	437.7	6.6		
232.5	10.6	287.4	8.9	340.3	7.6	440.0	6.6		
233.8	10.6	288.0	8.8	341.7	7.5	441.8	6.6		
234.2	10.6	289.0	8.8	343.1	7.5	443.5	6.6		
234.9	10.5	290.1	8.8	344.2	7.4	444.7	6.6		
235.6	10.5	291.1	8.8	345.7	7.4	446.3	6.5		
236.7	10.4	292.1	8.8	346.9	7.4	448.0	6.5		
237.3	10.4	293.0	8.7	347.8	7.3	449.4	6.5		
237.6	10.3	294.5	8.7	350.1	7.3	450.9	6.5		
238.3	10.3	296.0	8.7	351.8	7.3	452.9	6.5		
239.4	10.3	296.9	8.7	353.4	7.2	454.8	6.5		
240.2	10.2	298.0	8.7	355.3	7.2	456.5	6.5		
240.2	10.2	298.8	8.7	357.2	7.2	457.9	6.4		
240.8	10.1	300.0	8.6	358.6	7.2	459.0	6.4		
241.4	10.0	301.4	8.6	360.9	7.2	460.4	6.4		
242.0	10.0	302.0	8.6	362.8	7.2	462.4	6.3		
243.0	9.9	302.7	8.5	364.5	7.1	464.1	6.3		
243.6	9.8	303.1	8.4	366.0	7.1	466.0	6.3		
244.4	9.8	304.2	8.4	367.5	7.0	468.0	6.3		
246.1	9.8	305.3	8.4	368.8	7.0	470.1	6.3		
247.5	9.8	306.5	8.4	370.3	7.0	472.0	6.3		
249.2	9.8	307.8	8.4	371.8	7.0	473.3	6.3		
250.5	9.8	309.3	8.4	373.9	7.0	474.9	6.3		
251.7	9.7	310.5	8.4	375.6	7.0	476.2	6.2		
252.9	9.7	311.2	8.3	377.7	7.0	478.3	6.2		
253.3	9.7	311.5	8.3	378.5	7.0	479.9	6.2		
253.7	9.6	312.0	8.3	379.8	6.9	481.5	6.2		
254.6	9.5	312.4	8.2	381.5	6.9	482.7	6.2		
255.2	9.4	313.2	8.2	383.2	6.9	484.4	6.2		
256.6	9.4	314.0	8.2	385.0	6.9	486.0	6.1		
257.8	9.4	315.5	8.2	387.0	6.8	487.8	6.1		
259.0	9.4	317.1	8.2	389.6	6.8	488.8	6.1		
260.5	9.4	318.3	8.2	392.1	6.8	490.9	6.1		

STA 63 DAY: 15 TIME: 0334

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	15.1	60.8	13.6	102.6	13.5	145.6	12.8	214.1	10.9
0.4	15.0	61.3	13.5	103.2	13.4	146.5	12.8	215.1	10.8
1.1	15.0	61.7	13.5	104.3	13.4	147.6	12.7	216.9	10.8
3.0	15.0	62.4	13.4	106.3	13.4	149.0	12.7	218.7	10.8
5.4	15.0	63.0	13.4	107.6	13.4	149.9	12.6	219.3	10.7
7.2	15.0	64.2	13.4	109.0	13.4	151.0	12.6	220.3	10.6
8.8	15.0	65.1	13.4	109.6	13.3	152.2	12.6	221.4	10.6
10.0	15.0	65.6	13.3	110.2	13.3	153.8	12.6	222.8	10.6
12.0	15.0	66.4	13.3	110.8	13.2	155.1	12.6	223.6	10.5
14.6	15.0	67.1	13.3	111.5	13.2	156.4	12.6	224.2	10.5
16.6	15.0	68.3	13.3	112.5	13.1	157.1	12.5	224.6	10.4
18.5	15.0	68.7	13.3	113.0	13.1	157.7	12.5	225.2	10.3
19.6	15.0	69.5	13.4	114.0	13.1	159.3	12.4	226.4	10.2
19.8	15.0	70.7	13.4	114.5	13.1	160.1	12.4	227.0	10.2
21.2	15.0	72.3	13.4	114.7	13.2	161.1	12.3	228.2	10.1
22.7	15.0	73.1	13.4	115.8	13.2	162.2	12.3	229.6	10.1
24.5	15.0	73.7	13.4	116.8	13.2	163.6	12.2	230.6	10.0
26.0	15.0	74.7	13.4	117.6	13.2	164.5	12.2	231.8	9.9
27.5	15.0	75.8	13.4	118.3	13.2	166.0	12.1	232.8	9.9
28.6	15.0	77.0	13.4	119.0	13.3	167.6	12.0	233.5	9.8
29.8	15.0	77.9	13.4	119.6	13.3	169.1	12.0	234.6	9.7
32.1	15.0	78.4	13.4	120.8	13.3	170.4	11.9	236.4	9.7
33.7	15.0	79.1	13.4	122.1	13.3	172.6	11.8	237.4	9.7
35.5	15.0	79.7	13.5	123.1	13.3	174.5	11.8	238.0	9.6
37.5	15.0	80.0	13.5	123.7	13.4	176.8	11.8	239.4	9.6
39.0	15.1	80.5	13.6	124.4	13.4	178.8	11.8	240.3	9.5
40.2	15.1	80.9	13.6	125.6	13.4	181.5	11.8	241.2	9.5
41.8	15.1	81.4	13.6	126.3	13.3	183.9	11.8	242.9	9.4
43.9	15.1	81.8	13.7	127.0	13.3	185.5	11.8	244.2	9.4
45.4	15.1	82.4	13.7	127.6	13.3	187.4	11.8	245.3	9.3
46.8	15.1	82.9	13.8	127.9	13.3	188.1	11.7	245.9	9.2
48.5	15.1	83.3	13.8	128.5	13.3	189.5	11.7	246.7	9.2
50.2	15.1	83.6	13.9	129.3	13.4	191.2	11.6	247.6	9.1
51.5	15.1	85.1	13.9	130.1	13.3	192.3	11.6	248.3	9.1
51.9	15.1	86.4	13.9	130.6	13.3	193.0	11.6	249.1	9.1
53.1	15.0	87.1	13.8	132.0	13.3	194.6	11.5	251.0	9.1
54.0	14.9	87.8	13.8	132.7	13.3	196.2	11.4	253.1	9.0
54.7	14.8	88.5	13.8	133.5	13.3	197.0	11.4	255.4	9.0
55.2	14.8	89.3	13.8	134.0	13.3	198.7	11.3	257.2	9.0
56.1	14.8	90.5	13.8	134.6	13.3	200.3	11.3	258.7	8.9
57.0	14.7	92.0	13.7	135.4	13.2	202.1	11.3	259.9	8.9
57.5	14.6	93.2	13.7	136.7	13.2	203.5	11.3	261.4	8.9
57.7	14.5	94.1	13.7	137.3	13.2	204.9	11.2	262.8	8.8
57.9	14.4	95.1	13.7	138.5	13.1	206.3	11.1	263.7	8.8
58.1	14.2	95.8	13.7	139.4	13.1	207.6	11.1	264.8	8.7
58.6	14.1	96.7	13.6	140.7	13.1	209.0	11.1	266.2	8.7
59.0	14.0	97.7	13.6	141.7	13.1	209.6	11.1	267.6	8.6
59.1	13.9	99.3	13.6	142.2	13.0	210.8	11.0	268.8	8.6
59.6	13.8	101.2	13.5	143.4	12.9	211.8	10.9	269.9	8.6
60.5	13.6	101.8	13.5	144.5	12.9	212.8	10.9	271.3	8.6

STA 63 DAY: 15 TIME: 0334

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
273.0	8.5	345.5	7.3	436.5	6.2	545.4	5.5	663.1	5.2
273.7	8.5	346.8	7.3	439.8	6.2	547.7	5.5	663.4	5.2
274.4	8.4	348.7	7.3	442.3	6.2	550.6	5.5	665.0	5.2
275.6	8.4	349.7	7.2	444.1	6.2	553.3	5.4	666.2	5.2
276.8	8.4	351.5	7.2	446.4	6.2	555.9	5.4	667.5	5.2
278.1	8.3	353.6	7.1	447.9	6.2	557.9	5.4	668.3	5.2
279.4	8.3	355.6	7.1	449.0	6.2	560.2	5.4	669.4	5.1
280.8	8.2	357.7	7.1	449.5	6.1	562.9	5.4	670.8	5.1
282.6	8.2	359.8	7.1	451.3	6.1	565.7	5.4	672.3	5.0
284.7	8.2	361.8	7.1	454.0	6.1	567.5	5.4	673.4	5.0
286.3	8.2	363.6	7.1	457.0	6.1	569.9	5.4	674.3	5.0
288.1	8.2	365.6	7.1	460.4	6.1	570.6	5.4	677.4	5.0
290.0	8.2	367.4	7.1	463.7	6.1	571.6	5.4	680.3	5.0
291.7	8.1	368.7	7.1	467.8	6.1	573.3	5.4	682.8	5.0
293.1	8.1	370.8	7.0	471.2	6.1	575.1	5.4	684.2	4.9
294.4	8.1	372.4	7.0	474.5	6.1	577.1	5.4	685.9	4.9
295.8	8.1	374.8	7.0	477.1	6.1	578.5	5.4	687.0	4.9
297.3	8.1	376.1	7.0	479.1	6.0	581.3	5.4	687.8	4.9
299.2	8.1	378.4	7.0	480.1	6.0	583.0	5.3	689.2	4.8
300.5	8.1	379.7	7.0	480.3	6.0	586.0	5.3	691.8	4.8
301.9	8.1	381.4	7.0	480.9	5.9	589.0	5.3	694.1	4.8
303.5	8.1	383.4	7.0	482.0	5.9	591.5	5.3	695.5	4.8
304.4	8.0	386.3	6.9	483.8	5.9	594.1	5.3	695.8	4.7
305.9	8.0	388.0	6.9	485.3	5.9	596.9	5.4	696.8	4.6
307.5	8.0	389.1	6.9	487.7	5.9	601.4	5.3	698.4	4.6
308.5	8.0	389.4	6.9	490.4	5.9	604.1	5.3	700.4	4.6
310.1	8.0	390.1	6.8	492.3	5.9	606.3	5.3	702.6	4.6
311.5	8.0	391.3	6.8	494.4	5.9	609.4	5.3	705.0	4.6
312.7	8.0	392.3	6.7	496.5	5.8	611.6	5.3	707.6	4.6
313.8	7.9	393.0	6.7	497.6	5.8	614.0	5.3	709.3	4.6
314.9	7.9	393.7	6.6	499.1	5.8	617.0	5.3	710.4	4.6
316.2	7.9	395.2	6.6	500.4	5.8	620.9	5.2	711.1	4.6
317.0	7.9	396.6	6.6	503.1	5.8	622.7	5.3	712.2	4.6
318.1	7.9	397.8	6.5	504.4	5.7	625.2	5.3	715.2	4.6
320.0	7.9	400.2	6.5	506.5	5.7	627.7	5.3	717.6	4.6
321.5	7.8	402.6	6.5	508.7	5.7	631.2	5.3	720.3	4.6
323.1	7.8	404.1	6.5	511.0	5.7	634.0	5.3		
325.4	7.8	405.8	6.4	513.3	5.7	637.0	5.3		
327.8	7.8	407.7	6.4	515.5	5.6	640.6	5.3		
329.1	7.7	409.7	6.4	517.8	5.6	642.5	5.3		
330.6	7.6	411.4	6.3	520.1	5.6	644.6	5.3		
332.4	7.6	413.1	6.3	521.8	5.6	647.0	5.3		
333.9	7.6	415.5	6.3	524.1	5.6	650.0	5.2		
334.5	7.6	417.9	6.3	526.4	5.6	651.7	5.2		
335.2	7.5	420.4	6.3	531.0	5.5	652.8	5.2		
336.5	7.5	422.7	6.3	533.1	5.5	655.5	5.2		
339.2	7.4	425.3	6.3	536.3	5.5	657.1	5.2		
341.0	7.4	428.2	6.3	539.5	5.5	659.6	5.2		
342.7	7.4	430.4	6.2	541.3	5.5	660.9	5.2		
343.7	7.4	433.7	6.2	542.5	5.5	662.5	5.2		

STA 64 DAY: 15 TIME: 0400

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.3	16.2	60.5	14.5	105.4	13.3	153.4	11.7	218.8	10.5
0.9	16.2	61.4	14.5	106.2	13.2	154.5	11.7	220.0	10.4
1.9	16.2	61.7	14.4	106.8	13.2	154.8	11.6	221.9	10.4
3.4	16.3	62.3	14.3	107.9	13.1	155.7	11.6	223.2	10.4
5.0	16.3	62.6	14.2	108.9	13.1	156.9	11.5	225.1	10.4
5.4	16.3	62.8	14.1	111.2	13.1	158.1	11.5	226.7	10.4
6.1	16.4	63.3	14.0	112.8	13.1	159.4	11.5	228.1	10.4
6.6	16.4	63.7	13.9	114.2	13.1	161.6	11.5	228.9	10.3
6.8	16.5	64.0	13.9	115.9	13.1	163.4	11.5	229.3	10.3
7.1	16.5	64.6	13.8	116.8	13.0	165.1	11.5	230.2	10.3
8.5	16.5	65.6	13.8	117.8	13.0	166.5	11.5	231.1	10.2
9.7	16.5	66.3	13.8	118.4	13.0	167.1	11.5	232.5	10.2
10.6	16.4	66.9	13.9	119.1	12.9	168.0	11.5	234.0	10.2
11.4	16.4	67.1	13.9	120.5	12.9	168.5	11.4	235.4	10.2
13.0	16.4	67.8	13.9	121.6	12.9	169.0	11.4	235.7	10.2
15.4	16.4	68.4	13.9	123.3	12.8	169.9	11.3	236.7	10.1
17.8	16.3	68.8	13.9	124.8	12.8	170.9	11.3	237.6	10.1
20.8	16.3	69.1	13.8	126.0	12.8	172.2	11.3	239.1	10.0
22.5	16.4	70.0	13.8	126.6	12.8	173.9	11.3	240.0	10.0
24.7	16.4	71.4	13.8	127.3	12.7	175.3	11.3	242.2	10.0
27.5	16.4	72.5	13.8	128.0	12.7	176.5	11.3	244.5	10.0
30.3	16.4	73.4	13.7	128.6	12.6	177.6	11.2	246.1	10.0
32.8	16.4	74.4	13.7	129.2	12.6	177.9	11.2	247.3	10.0
35.8	16.3	75.3	13.7	131.1	12.6	178.9	11.1	248.2	9.9
37.8	16.3	76.4	13.7	132.5	12.6	179.6	11.1	249.5	9.8
39.8	16.4	78.5	13.7	133.4	12.6	181.6	11.1	250.6	9.8
42.7	16.4	79.5	13.7	134.0	12.5	183.2	11.0	251.6	9.7
44.5	16.4	80.9	13.7	134.4	12.5	184.8	11.0	252.1	9.6
46.9	16.4	82.1	13.7	135.1	12.4	186.0	11.0	253.1	9.6
48.8	16.4	83.0	13.7	136.0	12.4	187.4	11.0	253.6	9.5
50.7	16.4	83.4	13.8	137.2	12.4	188.4	10.9	254.9	9.4
52.2	16.4	84.5	13.8	138.3	12.4	189.3	10.9	256.5	9.4
54.0	16.3	85.7	13.8	139.2	12.4	190.0	10.8	257.2	9.4
54.9	16.3	86.4	13.8	139.9	12.4	190.9	10.8	258.1	9.3
55.4	16.3	87.8	13.8	140.2	12.3	192.3	10.7	258.8	9.3
55.9	16.2	89.3	13.8	140.6	12.2	194.4	10.7	259.1	9.2
56.2	16.1	90.4	13.8	141.0	12.2	196.2	10.7	259.5	9.2
56.4	16.0	91.8	13.8	141.6	12.2	199.0	10.7	259.6	9.1
56.8	15.9	92.3	13.7	142.3	12.1	201.7	10.7	260.5	9.1
56.6	15.7	92.5	13.7	143.2	12.1	204.0	10.7	261.3	9.0
56.7	15.6	93.2	13.7	144.5	12.0	206.2	10.7	262.3	9.0
57.2	15.5	94.4	13.6	145.5	12.0	208.6	10.7	263.3	8.9
57.5	15.3	95.4	13.6	146.5	12.0	210.2	10.6	263.5	8.9
57.8	15.2	96.1	13.5	147.4	11.9	210.8	10.6	263.7	8.8
58.2	15.1	97.0	13.5	149.3	11.9	211.4	10.6	264.1	8.6
58.7	15.0	97.7	13.5	150.0	11.9	212.0	10.5	264.9	8.6
59.0	14.9	100.8	13.4	150.4	11.8	213.4	10.5	266.3	8.6
59.5	14.8	102.6	13.4	150.6	11.8	214.8	10.5	267.1	8.6
59.8	14.7	104.1	13.4	151.1	11.7	216.4	10.5	267.3	8.5
60.1	14.6	104.9	13.4	152.1	11.7	217.7	10.5	268.5	8.4

STA 64 DAY: 15 TIME: 0400

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
269.4	8.4	341.7	7.0	427.4	6.3
271.1	8.4	343.0	7.0	427.9	6.3
272.5	8.4	343.6	6.9	428.4	6.3
274.4	8.4	344.5	6.9	429.5	6.2
275.5	8.4	347.0	6.9	430.5	6.2
277.5	8.4	348.1	6.9	431.7	6.2
278.8	8.3	349.8	6.8	434.4	6.2
280.4	8.3	351.3	6.8	437.0	6.2
282.0	8.3	353.3	6.8	439.4	6.2
283.0	8.3	355.8	6.8	441.5	6.2
283.5	8.2	357.0	6.8	444.0	6.1
284.9	8.1	358.7	6.8	446.1	6.1
285.9	8.1	360.6	6.7	447.8	6.1
287.3	8.1	362.8	6.7	449.5	6.1
288.5	8.0	364.5	6.7		
289.6	8.0	366.5	6.7		
290.1	7.9	368.0	6.7		
290.9	7.9	370.1	6.7		
292.5	7.9	372.0	6.7		
294.1	7.9	374.3	6.7		
295.5	7.9	375.9	6.7		
297.1	7.9	377.9	6.7		
298.6	7.9	379.1	6.7		
300.6	7.9	380.0	6.6		
302.4	7.8	381.8	6.6		
305.0	7.8	384.1	6.6		
305.9	7.7	386.4	6.6		
307.5	7.7	388.1	6.6		
309.4	7.6	389.8	6.6		
311.3	7.6	392.3	6.6		
312.6	7.6	394.8	6.6		
314.6	7.6	396.3	6.6		
316.4	7.6	397.9	6.6		
318.8	7.6	399.0	6.6		
320.4	7.5	400.5	6.6		
321.2	7.5	402.5	6.6		
323.4	7.5	404.1	6.6		
324.8	7.5	406.1	6.5		
325.9	7.4	408.0	6.5		
326.9	7.4	410.2	6.5		
327.8	7.3	411.6	6.5		
329.4	7.3	413.3	6.5		
330.2	7.2	414.6	6.4		
331.3	7.2	416.9	6.4		
331.7	7.1	418.4	6.4		
332.3	7.1	419.8	6.4		
334.3	7.1	421.5	6.4		
336.2	7.0	423.6	6.4		
338.7	7.0	424.6	6.3		
340.4	7.0	426.1	6.3		

STA 65 DAY: 15 TIME: 0410

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.2	14.2	32.5	16.1	77.7	14.6	135.1	13.2
0.4	14.2	33.4	16.1	78.0	14.5	136.7	13.2
1.0	14.1	34.5	16.2	79.3	14.5	138.4	13.2
1.0	14.1	35.3	16.2	79.9	14.4	138.9	13.2
2.2	14.0	36.7	16.2	80.2	14.4	139.9	13.2
3.0	14.0	38.5	16.2	80.3	14.3	141.2	13.2
4.2	14.0	39.3	16.2	80.8	14.2	142.6	13.2
4.9	14.0	40.4	16.2	81.6	14.2	143.6	13.1
5.5	14.0	41.5	16.2	82.8	14.2	144.0	13.1
5.7	14.1	42.6	16.3	83.7	14.2	145.3	13.1
6.5	14.1	43.2	16.3	84.5	14.2	146.5	13.1
7.5	14.1	43.3	16.3	85.7	14.2	147.2	13.1
7.9	14.1	45.2	16.4	87.3	14.2	147.8	13.1
7.9	14.2	46.2	16.4	88.6	14.2	148.3	13.0
8.2	14.4	47.9	16.3	90.2	14.2	149.7	12.9
8.2	14.5	49.2	16.4	91.8	14.2	150.7	12.9
8.3	14.6	50.5	16.4	93.0	14.2	152.1	12.9
8.4	14.8	51.9	16.4	94.4	14.2	153.6	12.8
8.9	14.9	53.5	16.3	95.3	14.1	154.6	12.8
8.9	15.0	54.4	16.4	96.5	14.1	155.2	12.7
9.2	15.1	55.4	16.3	97.2	14.1	155.5	12.6
9.4	15.2	56.0	16.3	97.9	14.0	155.9	12.6
9.7	15.3	57.4	16.2	98.4	14.0	156.3	12.6
10.2	15.4	58.2	16.2	99.1	13.9	156.7	12.5
11.1	15.5	59.5	16.2	99.4	13.8	157.9	12.4
11.1	15.6	60.0	16.1	100.1	13.8	158.9	12.4
11.7	15.7	60.5	16.1	100.7	13.7	159.6	12.3
12.1	15.8	60.8	16.0	101.3	13.7	161.4	12.3
12.9	15.8	61.2	16.0	102.0	13.6	162.9	12.3
13.4	15.9	62.1	15.9	102.3	13.6	164.2	12.3
13.9	16.0	62.9	15.8	102.7	13.5	165.1	12.3
14.5	16.0	64.0	15.8	104.2	13.5	166.2	12.2
15.9	16.0	64.9	15.8	105.0	13.5	166.6	12.2
16.8	16.0	65.9	15.7	106.1	13.4	168.6	12.2
17.8	16.0	66.5	15.7	107.5	13.4	170.3	12.2
18.6	16.0	67.6	15.6	108.6	13.4		
19.4	16.0	68.1	15.5	109.7	13.4		
20.1	15.9	68.7	15.5	110.4	13.3		
21.4	15.9	69.4	15.4	112.6	13.3		
22.5	15.9	70.1	15.3	113.8	13.3		
23.8	15.9	70.7	15.3	115.3	13.3		
24.9	15.9	71.5	15.2	117.1	13.3		
25.7	15.9	72.1	15.2	118.7	13.3		
26.0	15.9	73.0	15.1	120.1	13.3		
26.5	15.9	73.9	15.0	122.0	13.2		
26.7	16.0	74.3	15.0	124.0	13.2		
27.4	16.0	75.5	14.9	127.3	13.2		
28.9	16.0	76.3	14.8	129.7	13.3		
30.3	16.0	76.8	14.8	132.0	13.3		
31.6	16.0	77.2	14.7	133.7	13.2		

STA 66 DAY: 15 TIME: 0400

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.4	12.5	61.3	14.3	129.4	12.6
1.8	12.4	61.9	14.1	131.7	12.6
3.2	12.4	62.8	14.0	134.1	12.6
4.3	12.4	64.3	13.8	136.6	12.6
5.6	12.4	64.8	13.6	138.5	12.6
6.7	12.4	64.8	13.5		
8.1	12.4	65.7	13.2		
9.2	12.4	66.2	12.5		
10.9	12.4	66.8	12.0		
12.3	12.4	67.3	11.5		
13.6	12.4	67.9	11.0		
15.2	12.4	68.2	10.8		
16.1	12.4	69.1	10.7		
17.8	12.4	70.8	10.6		
19.1	12.4	72.7	10.7		
21.1	12.4	74.2	10.9		
22.9	12.4	75.7	11.0		
23.8	12.4	77.5	11.5		
26.2	12.4	78.0	12.0		
28.4	12.4	78.2	12.5		
30.0	12.4	79.0	13.0		
31.8	12.5	81.1	13.8		
33.4	12.5	82.4	14.4		
35.0	12.5	83.3	14.7		
36.7	12.5	84.9	14.8		
38.0	12.5	87.0	14.8		
39.7	12.5	87.7	14.6		
41.3	12.5	89.8	14.6		
42.3	12.5	90.9	14.2		
43.6	12.5	92.2	13.8		
46.0	12.5	93.4	13.4		
47.8	12.5	94.4	13.1		
49.5	12.5	96.0	13.0		
50.8	12.6	98.3	12.9		
51.8	12.7	101.3	12.9		
52.5	12.8	103.5	12.9		
53.2	13.0	105.7	13.0		
53.6	13.1	107.6	13.1		
54.3	13.3	110.4	13.1		
55.3	13.4	111.7	13.0		
55.5	13.6	113.4	12.9		
55.8	13.8	114.8	12.8		
55.9	13.9	115.6	12.6		
56.4	14.1	116.1	12.5		
56.1	14.4	117.0	12.4		
57.2	14.5	119.3	12.3		
57.3	14.6	121.3	12.4		
58.9	14.7	122.6	12.5		
60.3	14.7	123.9	12.5		
60.4	14.5	127.1	12.6		

STA 67 DAY: 15 TIME: 0455

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.9	11.1	79.2	10.4
2.2	11.1	80.7	10.4
3.3	11.1	81.6	10.4
4.7	11.1	84.5	10.4
6.1	11.1	86.1	10.5
7.4	11.1	88.1	10.5
8.6	11.1	89.4	10.6
9.9	11.1	89.9	10.6
12.0	11.1	90.8	10.7
13.7	11.1	91.8	10.7
15.3	11.1	93.7	10.8
16.8	11.1	95.7	10.8
18.6	11.1	96.6	10.8
20.8	11.1	97.9	10.9
23.1	11.1	99.2	10.9
25.1	11.1	99.8	11.0
26.5	11.1	100.4	11.0
27.9	11.1	102.5	11.0
30.1	11.1	104.5	11.1
32.1	11.1	106.2	11.1
34.4	11.1	107.6	11.1
36.5	11.1	109.4	11.1
37.7	11.1		
38.9	11.2		
40.5	11.2		
41.8	11.3		
43.9	11.2		
45.4	11.2		
46.1	11.1		
47.5	11.0		
48.0	11.0		
49.6	10.9		
49.5	10.8		
49.7	10.7		
49.9	10.5		
50.5	10.4		
50.7	10.4		
51.3	10.2		
54.3	10.2		
57.2	10.2		
60.1	10.2		
63.4	10.2		
65.3	10.3		
67.3	10.2		
69.7	10.2		
70.7	10.3		
72.1	10.3		
73.8	10.3		
76.1	10.3		
77.8	10.3		

STA 68 DAY: 15 TIME: 0513

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.1	10.9	80.3	10.4
2.4	10.9	81.6	10.5
3.9	10.9	82.7	10.5
5.2	10.9	83.3	10.5
7.1	10.9	85.1	10.6
8.2	10.9	86.8	10.6
9.8	10.9	88.7	10.6
11.9	10.9	90.6	10.6
13.2	10.9	92.8	10.6
15.1	10.8	95.6	10.6
16.8	10.9	96.9	10.6
18.3	10.8	98.6	10.6
19.7	10.8	100.1	10.6
22.1	10.8		
23.8	10.9		
25.4	10.9		
27.4	10.9		
30.4	10.8		
32.1	10.9		
34.5	10.8		
35.9	10.9		
37.7	10.9		
40.7	10.9		
42.0	10.9		
43.6	10.9		
45.0	10.9		
46.6	10.9		
47.9	10.9		
49.5	10.9		
52.6	10.9		
54.5	10.9		
55.7	10.8		
56.3	10.8		
56.3	10.6		
57.0	10.5		
56.4	10.5		
57.4	10.4		
59.0	10.4		
60.6	10.4		
61.9	10.4		
63.1	10.4		
65.3	10.4		
67.1	10.4		
68.7	10.4		
71.2	10.4		
72.1	10.4		
73.6	10.4		
75.5	10.4		
77.5	10.4		
78.9	10.4		

STA 68A DAY: 15 TIME: 0527

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.9	11.0	76.8	10.5
3.3	11.0	78.1	10.5
5.1	11.0	79.5	10.5
7.3	11.0	80.8	10.6
9.9	11.0	82.4	10.6
12.2	11.0	83.3	10.6
14.6	11.0	84.4	10.7
16.4	11.0	85.7	10.7
18.4	11.0	88.0	10.7
19.7	11.0	89.3	10.7
23.2	11.0	91.3	10.8
25.8	11.0	92.6	10.8
27.8	11.0	94.2	10.9
29.9	11.0	95.9	10.9
33.1	11.0	97.3	10.9
35.5	11.0	98.3	11.0
37.5	11.0	99.9	11.0
39.9	11.1	101.2	11.1
40.6	11.1	102.3	11.1
41.3	11.2	103.6	11.1
41.8	11.3	104.9	11.2
42.6	11.4	105.9	11.2
44.0	11.4	107.4	11.2
46.0	11.5	108.2	11.3
48.0	11.5	109.0	11.4
48.5	11.4	110.2	11.4
48.6	11.3		
49.3	11.2		
49.8	11.1		
50.5	11.0		
51.2	10.9		
51.9	10.8		
51.9	10.6		
52.2	10.5		
52.3	10.4		
52.9	10.2		
53.6	10.2		
54.9	10.2		
57.2	10.2		
59.1	10.3		
60.0	10.3		
61.7	10.3		
63.9	10.3		
66.0	10.3		
67.9	10.3		
69.3	10.3		
71.8	10.3		
72.9	10.4		
74.3	10.4		
75.2	10.4		

STA 69 DAY: 15 TIME: 0548

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.4	12.8	61.8	12.4	109.0	11.7
2.5	12.8	62.4	12.3	109.6	11.8
4.8	12.8	62.7	12.2	110.1	11.8
6.6	12.8	63.7	12.1	110.3	11.9
7.8	12.8	64.8	12.1	110.7	11.9
9.4	12.8	65.3	12.0	112.1	11.9
12.2	12.8	65.9	11.9	113.5	12.0
13.6	12.8	66.4	11.8	114.0	12.0
15.3	12.8	67.1	11.8	115.2	12.1
17.1	12.8	67.6	11.7	116.1	12.1
18.9	12.8	68.2	11.6	117.7	12.1
20.9	12.8	68.7	11.5	119.2	12.2
22.6	12.9	68.9	11.4		
23.5	12.9	69.1	11.4		
24.6	12.9	69.4	11.3		
25.6	13.0	69.8	11.3		
27.0	13.0	70.5	11.2		
28.2	13.0	70.9	11.1		
29.6	13.1	72.0	11.0		
31.1	13.1	71.9	10.9		
32.4	13.1	71.9	10.8		
33.0	13.2	72.3	10.7		
33.8	13.2	72.7	10.6		
35.5	13.3	72.9	10.6		
36.5	13.4	73.6	10.5		
37.5	13.4	75.6	10.5		
38.3	13.5	77.7	10.5		
39.9	13.5	79.6	10.5		
41.7	13.5	81.3	10.6		
43.0	13.5	83.4	10.7		
44.4	13.5	84.6	10.7		
46.3	13.5	85.7	10.8		
48.0	13.5	86.1	10.9		
49.9	13.5	87.9	11.0		
51.4	13.5	89.3	11.1		
52.2	13.5	90.0	11.1		
53.0	13.4	91.2	11.2		
53.9	13.3	92.5	11.3		
55.3	13.3	93.7	11.3		
56.6	13.3	95.3	11.4		
57.2	13.2	96.1	11.4		
57.7	13.1	97.8	11.4		
58.2	13.0	98.8	11.4		
58.4	12.9	101.0	11.4		
58.9	12.8	102.8	11.5		
59.0	12.7	103.8	11.5		
59.5	12.7	105.1	11.5		
60.0	12.6	106.1	11.6		
60.0	12.5	107.4	11.6		
61.0	12.5	108.3	11.7		

STA 70 DAY: 15 TIME: 0604

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.6	15.6	67.1	15.7	90.8	12.3
2.4	15.6	67.2	15.6	92.8	12.3
4.0	15.6	67.3	15.6	94.4	12.3
5.7	15.6	68.3	15.5	95.8	12.3
6.8	15.6	69.2	15.5	98.1	12.3
8.4	15.6	70.1	15.5	100.1	12.3
9.9	15.6	70.5	15.4	101.8	12.3
12.3	15.6	70.6	15.3	102.7	12.3
13.8	15.6	70.9	15.2	103.5	12.3
16.1	15.6	71.1	15.2	104.5	12.3
16.9	15.6	71.8	15.1	105.2	12.3
18.6	15.6	72.4	15.1	106.4	12.3
21.2	15.7	73.8	15.0	108.2	12.3
23.7	15.7	74.5	15.0	109.4	12.4
25.0	15.7	75.3	14.9	110.8	12.4
25.7	15.8	75.9	14.8	112.1	12.4
27.5	15.9	76.1	14.7	113.2	12.4
29.5	15.9	76.2	14.6	114.6	12.4
32.0	15.9	76.1	14.6	116.0	12.4
33.5	15.9	76.2	14.5	117.9	12.5
34.8	15.9	76.6	14.4	119.3	12.5
36.8	15.9	76.8	14.4	120.7	12.5
38.7	15.9	77.0	14.3	122.0	12.5
40.2	15.9	77.3	14.2	123.8	12.5
42.3	15.9	78.1	14.2	125.3	12.5
43.6	15.9	79.0	14.2	126.5	12.5
44.9	16.0	79.3	14.1	128.6	12.5
45.8	16.1	80.0	14.1	129.6	12.5
46.6	16.1	80.2	13.9	130.9	12.5
47.0	16.2	80.3	13.9	132.6	12.5
47.7	16.2	80.5	13.8	134.8	12.5
49.0	16.3	81.0	13.7	136.3	12.5
49.8	16.3	81.6	13.6	137.2	12.5
51.0	16.4	82.3	13.5	138.9	12.6
52.4	16.5	83.0	13.5	140.0	12.6
53.9	16.5	83.3	13.4	140.9	12.6
55.9	16.5	83.8	13.3	141.9	12.6
56.1	16.4	84.4	13.2	143.7	12.6
56.5	16.4	84.8	13.1	145.3	12.6
58.0	16.4	85.2	13.0		
59.4	16.3	85.6	13.0		
61.2	16.3	86.2	12.9		
62.6	16.3	86.6	12.9		
63.7	16.2	87.4	12.8		
64.5	16.1	87.7	12.7		
65.3	16.0	87.9	12.7		
65.7	16.0	88.2	12.6		
65.8	15.9	88.4	12.5		
66.2	15.8	88.9	12.4		
66.6	15.8	89.9	12.3		

STA 71 DAY: 15 TIME: 0630

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.5	15.4	81.8	13.4	167.7	11.0	239.0	9.0
2.5	15.4	82.9	13.3	168.6	11.0	239.9	9.0
3.9	15.4	83.9	13.2	170.9	11.0	242.7	9.0
6.1	15.4	84.8	13.1	172.9	10.9	244.3	9.0
7.4	15.4	86.8	13.1	172.8	10.9	245.9	9.0
10.2	15.4	88.6	13.0	175.4	10.9	248.4	9.0
12.1	15.4	89.3	13.0	177.1	10.9	250.4	9.0
13.6	15.4	91.0	12.9	177.7	10.8	251.6	9.0
15.2	15.4	92.5	13.0	179.4	10.7	252.6	9.0
16.8	15.4	95.2	12.9	181.0	10.7	254.2	9.0
19.2	15.5	96.2	12.8	182.7	10.7	256.1	9.0
21.5	15.5	97.2	12.7	184.8	10.7	257.7	9.0
23.5	15.5	97.7	12.7	186.5	10.7	258.7	9.0
24.2	15.6	98.6	12.6	188.0	10.7		
26.1	15.7	99.6	12.5	188.9	10.6		
28.7	15.7	100.2	12.4	189.8	10.5		
29.7	15.7	102.5	12.4	190.3	10.4		
31.7	15.7	107.3	12.3	190.9	10.4		
33.9	15.7	109.4	12.3	192.4	10.3		
36.0	15.7	111.9	12.3	193.8	10.3		
37.6	15.7	114.9	12.3	195.1	10.2		
39.3	15.7	118.0	12.3	196.1	10.2		
41.3	15.7	120.2	12.3	197.9	10.1		
42.8	15.7	121.6	12.3	198.7	10.1		
44.4	15.7	123.9	12.3	199.6	10.0		
46.7	15.7	126.2	12.3	201.6	9.9		
48.6	15.7	128.5	12.2	203.9	9.9		
51.0	15.7	129.2	12.1	205.4	9.8		
53.0	15.7	130.0	12.1	206.8	9.8		
54.5	15.5	132.4	12.1	208.4	9.7		
55.0	15.3	134.5	12.1	210.2	9.7		
55.7	15.0	136.5	12.1	211.3	9.6		
56.9	14.8	138.9	12.1	212.9	9.6		
58.6	14.5	141.5	12.0	214.2	9.5		
59.5	14.4	142.7	11.9	215.9	9.5		
62.4	14.3	143.7	11.9	217.3	9.5		
63.6	14.2	144.7	11.8	218.8	9.4		
64.7	14.1	145.9	11.8	220.6	9.4		
65.4	14.0	147.2	11.7	222.1	9.4		
66.3	13.9	148.1	11.6	223.9	9.4		
67.0	13.9	149.5	11.6	225.1	9.3		
69.1	13.8	151.3	11.5	226.0	9.3		
71.1	13.8	154.4	11.4	227.1	9.3		
73.1	13.8	155.6	11.3	228.7	9.2		
74.2	13.7	157.0	11.2	230.2	9.2		
75.4	13.7	158.6	11.2	231.6	9.1		
77.2	13.7	159.7	11.1	233.1	9.1		
79.0	13.6	161.8	11.1	233.7	9.1		
79.9	13.5	164.1	11.1	235.4	9.1		
81.1	13.5	166.3	11.0	237.0	9.0		

STA 72 DAY: 15 TIME: 0655

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.6	14.6	69.6	14.6	139.2	12.8	210.0	10.6
2.6	14.6	70.3	14.5	140.9	12.8	211.0	10.6
3.8	14.6	71.5	14.4	143.1	12.8	212.6	10.5
5.1	14.5	71.8	14.3	144.9	12.7	214.1	10.4
6.4	14.5	72.7	14.3	146.5	12.7	216.6	10.4
7.9	14.5	73.5	14.2	148.1	12.7	219.2	10.4
9.9	14.5	74.0	14.2	150.1	12.6	219.6	10.4
11.7	14.5	76.0	14.1	151.7	12.6	222.2	10.4
13.4	14.5	78.0	14.1	153.4	12.6	224.8	10.3
15.5	14.5	78.9	14.1	156.1	12.6	227.4	10.3
17.0	14.5	79.3	14.0	157.2	12.5	228.7	10.2
18.6	14.5	80.2	13.9	159.2	12.5	229.6	10.2
19.7	14.5	81.1	13.9	160.3	12.4	231.3	10.1
22.1	14.5	81.8	13.8	162.5	12.4	233.1	10.0
23.7	14.5	83.2	13.8	164.4	12.4	234.4	10.0
25.0	14.5	85.3	13.8	165.7	12.3	235.7	9.9
26.5	14.5	86.3	13.8	166.8	12.3	237.8	9.8
28.0	14.5	88.0	13.8	168.2	12.2	239.1	9.8
29.1	14.5	89.7	13.8	169.6	12.2	239.8	9.8
29.5	14.6	91.9	13.8	170.9	12.2	241.9	9.7
31.2	14.6	92.8	13.9	172.7	12.2	244.2	9.7
32.9	14.6	93.3	13.9	174.7	12.1	246.5	9.7
34.9	14.6	94.2	14.0	176.2	12.1	248.5	9.7
36.2	14.6	94.4	14.1	177.8	12.1	250.4	9.7
37.8	14.6	96.5	14.0	179.4	12.0	251.8	9.6
39.0	14.6	97.7	13.9	181.5	11.9	252.9	9.6
39.3	14.6	98.2	13.8	182.5	11.9	254.4	9.5
40.0	14.5	101.0	13.8	183.6	11.8	256.6	9.5
42.1	14.5	102.5	13.8	184.7	11.8	259.1	9.5
43.9	14.5	104.9	13.7	186.4	11.7	260.6	9.5
45.7	14.5	106.7	13.7	187.9	11.7		
47.4	14.5	107.4	13.6	189.2	11.7		
49.4	14.5	109.4	13.6	191.0	11.6		
50.4	14.5	110.8	13.6	192.4	11.6		
52.1	14.4	111.9	13.5	193.2	11.5		
53.6	14.5	113.3	13.4	193.8	11.4		
54.8	14.5	114.7	13.4	194.6	11.3		
56.0	14.5	116.3	13.3	195.0	11.3		
56.9	14.3	117.7	13.3	196.5	11.2		
57.5	14.2	119.1	13.2	197.4	11.1		
58.3	14.1	120.1	13.1	198.3	11.1		
59.1	14.0	121.6	13.1	199.6	11.0		
60.8	14.0	122.8	13.0	200.4	10.9		
62.3	14.1	123.3	12.9	201.3	10.9		
63.3	14.2	126.3	12.9	201.9	10.9		
64.2	14.3	128.7	12.9	202.8	10.8		
64.7	14.4	131.8	12.9	204.4	10.7		
65.1	14.4	133.8	12.9	206.3	10.7		
66.0	14.5	135.8	12.9	208.3	10.7		
67.8	14.6	137.8	12.8	209.4	10.7		

STA 73 DAY: 15 TIME: 0657

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.2	14.5	77.3	13.9	186.6	11.4	271.0	8.1
1.9	14.5	78.4	13.9	187.9	11.2	272.4	8.1
3.7	14.5	80.5	13.8	188.7	11.1	275.2	8.1
5.3	14.5	83.0	13.8	189.4	11.0	277.3	8.0
6.7	14.5	85.3	13.9	190.5	10.9	279.2	8.0
8.6	14.5	87.1	14.0	191.5	10.9	281.5	8.0
9.5	14.5	89.4	14.1	192.6	10.9	283.7	7.9
11.7	14.5	92.5	14.1	193.7	10.8		
13.6	14.5	95.9	14.1	194.8	10.8		
15.7	14.5	100.5	14.0	196.2	10.7		
17.8	14.5	102.7	13.9	198.7	10.7		
20.2	14.5	105.8	13.8	200.7	10.7		
21.8	14.5	109.5	13.7	202.5	10.6		
23.2	14.5	112.9	13.6	203.7	10.5		
25.0	14.5	114.4	13.5	205.2	10.5		
27.3	14.5	117.0	13.5	206.9	10.4		
29.4	14.5	119.0	13.3	209.0	10.3		
31.2	14.5	121.0	13.2	211.8	10.3		
33.0	14.5	123.5	13.1	214.5	10.3		
35.1	14.5	125.1	13.1	216.4	10.2		
36.5	14.5	127.7	13.1	217.2	10.1		
38.3	14.6	130.0	12.9	218.8	10.0		
39.6	14.6	131.5	12.8	220.4	9.9		
42.0	14.6	133.3	12.8	222.6	9.8		
43.8	14.6	134.6	12.7	224.1	9.7		
45.8	14.6	136.6	12.5	226.2	9.6		
46.6	14.5	137.8	12.4	228.7	9.5		
47.7	14.4	139.8	12.4	230.5	9.4		
49.5	14.3	141.9	12.4	232.5	9.4		
50.8	14.2	143.4	12.4	234.6	9.3		
51.7	14.2	145.1	12.4	235.9	9.2		
53.1	14.3	146.5	12.3	236.4	9.0		
54.4	14.3	148.9	12.3	237.6	8.9		
56.1	14.3	151.3	12.2	238.9	8.7		
58.5	14.1	153.4	12.2	241.6	8.6		
59.9	14.0	155.2	12.2	243.3	8.6		
60.2	13.9	156.6	12.1	245.4	8.6		
61.5	14.0	158.8	12.1	247.0	8.6		
62.2	14.1	159.8	12.0	250.1	8.5		
62.5	14.2	162.2	11.9	251.6	8.5		
63.8	14.4	165.2	11.9	253.9	8.5		
64.5	14.7	165.9	11.7	256.4	8.4		
65.5	14.9	168.8	11.7	259.8	8.4		
68.2	15.1	171.7	11.7	262.1	8.4		
70.1	15.0	173.9	11.6	263.6	8.4		
70.9	14.8	175.3	11.6	264.3	8.3		
72.2	14.5	178.8	11.5	265.9	8.3		
72.9	14.3	181.5	11.5	267.7	8.3		
73.9	14.1	182.6	11.4	269.3	8.2		
75.2	14.0	184.6	11.4	270.0	8.2		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	74	15 NOV 1982	07.4	40 04.9 N	68 33.4 W	478

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.1	13.935	33.769	5.88	0.67	25.250	0.000	1502.	-0.2
4	4.0	13.936	33.769	5.86	0.67	25.250	0.005	1502.	-0.2
6	6.1	13.940	33.769	5.84	0.67	25.249	0.011	1502.	-0.2
8	8.0	13.940	33.770	5.88	0.67	25.250	0.016	1502.	-0.2
10	10.1	13.942	33.771	5.85	0.67	25.250	0.022	1502.	-0.2
12	12.0	13.943	33.770	5.81	0.67	25.250	0.027	1502.	-0.3
14	13.9	13.943	33.770	5.81	0.67	25.249	0.032	1502.	-0.4
16	16.0	13.943	33.770	5.83	0.67	25.249	0.038	1502.	-0.5
18	18.0	13.944	33.770	5.81	0.68	25.249	0.043	1502.	-0.4
20	20.0	13.944	33.770	5.81	0.67	25.249	0.049	1502.	-0.3
22	22.0	13.941	33.768	5.82	0.68	25.248	0.054	1502.	0.3
24	24.1	13.944	33.769	5.82	0.68	25.248	0.060	1502.	0.5
26	26.0	13.948	33.771	5.80	0.68	25.249	0.065	1502.	0.7
28	27.9	13.955	33.773	5.81	0.68	25.249	0.070	1502.	0.8
30	30.0	13.958	33.775	5.80	0.68	25.250	0.076	1502.	0.9
32	32.0	13.956	33.774	5.80	0.69	25.250	0.081	1502.	0.8
34	34.0	13.960	33.776	5.78	0.69	25.251	0.087	1502.	0.9
36	36.0	13.964	33.779	5.82	0.69	25.251	0.092	1503.	2.5
38	38.0	13.967	33.780	5.76	0.69	25.252	0.097	1503.	4.9
40	40.1	13.959	33.776	5.67	0.70	25.250	0.103	1503.	6.9
42	42.0	13.974	33.785	5.59	0.69	25.254	0.108	1503.	8.7
44	43.9	14.051	33.872	5.48	0.69	25.306	0.114	1503.	9.9
46	46.1	14.177	34.069	5.26	0.66	25.432	0.119	1504.	11.1
48	47.9	14.239	34.219	5.05	0.65	25.534	0.124	1504.	12.3
50	50.0	14.035	34.314	4.88	0.64	25.651	0.129	1504.	12.9
52	52.0	14.248	34.444	4.67	0.64	25.706	0.134	1504.	13.0
54	54.1	14.687	34.726	4.48	0.64	25.830	0.138	1506.	12.6
56	56.0	15.281	35.112	4.35	0.63	25.997	0.142	1509.	12.1
58	58.0	15.524	35.312	4.27	0.62	26.097	0.146	1510.	11.5
60	60.1	15.618	35.395	4.18	0.62	26.139	0.150	1510.	10.8
61	61.9	15.635	35.461	4.08	0.62	26.187	0.153	1510.	9.6
64	64.0	15.645	35.535	4.02	0.61	26.241	0.157	1510.	8.4
65	66.0	15.772	35.633	3.97	0.61	26.288	0.161	1511.	7.6
67	67.9	15.859	35.699	3.89	0.61	26.319	0.164	1511.	7.0
69	70.0	15.882	35.742	3.86	0.61	26.347	0.168	1511.	6.6
71	71.9	15.886	35.765	3.83	0.61	26.364	0.171	1512.	6.4
73	74.1	15.898	35.785	3.81	0.61	26.376	0.174	1512.	6.4
75	76.0	15.691	35.737	3.84	0.62	26.386	0.178	1511.	6.5
77	78.1	15.224	35.673	3.89	0.62	26.442	0.181	1509.	6.6
79	79.9	15.074	35.667	3.90	0.62	26.471	0.184	1509.	6.7
81	82.1	15.013	35.695	3.92	0.62	26.506	0.187	1509.	6.7
83	84.0	14.929	35.701	3.93	0.63	26.529	0.190	1509.	6.3
85	86.0	14.971	35.742	3.93	0.63	26.552	0.193	1509.	5.8
87	88.1	15.002	35.780	3.92	0.62	26.574	0.196	1509.	5.5
89	89.9	15.010	35.798	3.88	0.63	26.586	0.199	1509.	5.1
91	92.0	14.991	35.806	3.86	0.62	26.597	0.202	1509.	4.9
93	94.0	14.910	35.808	3.86	0.63	26.616	0.205	1509.	4.9
95	96.1	14.824	35.804	3.84	0.63	26.632	0.208	1509.	5.0
97	98.1	14.793	35.806	3.82	0.63	26.640	0.211	1509.	5.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	74	15 NOV 1982	07.4	40 04.9 N	68 33.4 W	478

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	99.9	14.718	35.800	3.82	0.63	26.652	0.213	1508.	5.5
101	102.0	14.531	35.782	3.83	0.63	26.679	0.216	1508.	5.6
103	104.2	14.283	35.748	3.85	0.64	26.706	0.219	1507.	5.6
105	105.9	14.114	35.734	3.84	0.64	26.731	0.222	1506.	5.5
107	108.0	13.999	35.726	3.84	0.64	26.749	0.224	1506.	5.1
109	110.1	13.860	35.706	3.87	0.64	26.763	0.227	1506.	4.5
111	112.0	13.798	35.698	3.88	0.64	26.770	0.230	1505.	4.1
113	114.1	13.745	35.692	3.89	0.65	26.777	0.232	1505.	3.8
115	115.9	13.686	35.680	3.88	0.65	26.780	0.235	1505.	3.6
117	118.1	13.608	35.669	3.87	0.65	26.787	0.238	1505.	3.6
119	120.0	13.589	35.681	3.87	0.65	26.800	0.240	1505.	3.5
121	122.0	13.579	35.691	3.86	0.65	26.810	0.242	1505.	3.4
123	124.1	13.427	35.661	3.87	0.65	26.819	0.245	1504.	3.3
125	126.0	13.393	35.657	3.84	0.65	26.822	0.247	1504.	3.2
127	127.8	13.378	35.655	3.81	0.66	26.824	0.250	1504.	3.0
129	130.2	13.346	35.650	3.80	0.65	26.827	0.253	1504.	2.9
131	131.9	13.287	35.644	3.82	0.66	26.834	0.255	1504.	2.9
133	133.9	13.201	35.636	3.81	0.66	26.846	0.257	1504.	2.9
135	136.1	13.201	35.642	3.77	0.66	26.850	0.260	1504.	3.1
137	138.0	13.193	35.642	3.76	0.66	26.852	0.262	1504.	3.1
139	140.0	13.172	35.641	3.77	0.66	26.856	0.265	1504.	3.1
141	142.1	13.127	35.639	3.76	0.67	26.863	0.267	1504.	3.3
143	143.9	13.071	35.636	3.73	0.67	26.872	0.270	1504.	3.4
145	146.0	13.049	35.637	3.71	0.67	26.877	0.272	1504.	3.5
147	148.1	12.970	35.632	3.71	0.67	26.889	0.275	1503.	3.4
149	150.0	12.895	35.624	3.66	0.67	26.899	0.277	1503.	3.3
151	152.0	12.802	35.607	3.65	0.67	26.904	0.279	1503.	3.2
153	153.9	12.745	35.596	3.64	0.68	26.906	0.281	1503.	3.1
155	156.1	12.685	35.585	3.61	0.68	26.910	0.284	1502.	3.0
157	158.0	12.598	35.572	3.61	0.68	26.917	0.286	1502.	3.1
159	160.2	12.494	35.553	3.60	0.68	26.923	0.289	1502.	3.5
161	161.8	12.451	35.550	3.57	0.68	26.929	0.291	1502.	3.8
163	164.2	12.378	35.537	3.56	0.68	26.934	0.293	1501.	3.9
165	165.9	12.176	35.506	3.59	0.69	26.949	0.295	1501.	3.9
167	167.9	12.063	35.503	3.55	0.69	26.968	0.298	1500.	3.8
169	170.0	12.079	35.514	3.51	0.69	26.974	0.300	1501.	3.8
171	172.0	12.090	35.524	3.49	0.69	26.979	0.302	1501.	3.7
173	174.0	12.084	35.529	3.47	0.68	26.984	0.305	1501.	3.4
175	176.0	12.054	35.528	3.45	0.68	26.989	0.307	1501.	3.2
176	177.8	11.989	35.522	3.45	0.69	26.997	0.309	1500.	3.1
179	180.1	11.923	35.519	3.41	0.68	27.008	0.311	1500.	2.9
181	182.1	11.882	35.512	3.42	0.68	27.011	0.313	1500.	2.7
182	183.8	11.832	35.507	3.42	0.69	27.016	0.315	1500.	2.4
185	186.1	11.828	35.508	3.38	0.68	27.018	0.318	1500.	2.1
186	187.9	11.830	35.508	3.40	0.68	27.017	0.320	1500.	1.9
188	190.0	11.818	35.506	3.40	0.69	27.018	0.322	1500.	1.9
190	192.0	11.790	35.501	3.39	0.69	27.019	0.324	1500.	1.9
192	194.0	11.718	35.492	3.41	0.69	27.025	0.326	1500.	1.9
195	196.1	11.703	35.492	3.40	0.69	27.028	0.328	1500.	1.9
196	197.8	11.688	35.490	3.39	0.69	27.030	0.330	1500.	2.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	74	15 NOV 1982	07.4	40 04.9 N	68 33.4 W	478

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
198	200.0	11.685	35.491	3.36	0.69	27.031	0.333	1500.	2.5
200	202.1	11.678	35.490	3.36	0.69	27.032	0.335	1500.	3.0
202	203.9	11.645	35.483	3.35	0.69	27.033	0.337	1500.	3.6
204	206.0	11.532	35.465	3.32	0.70	27.040	0.339	1499.	4.0
206	207.9	11.309	35.437	3.33	0.70	27.059	0.341	1498.	4.3
208	210.1	11.123	35.416	3.31	0.70	27.078	0.343	1498.	4.4
210	212.0	10.963	35.398	3.30	0.70	27.093	0.345	1497.	4.3
212	213.9	10.884	35.391	3.27	0.70	27.102	0.347	1497.	4.0
214	216.2	10.851	35.388	3.27	0.70	27.105	0.349	1497.	3.5
216	217.9	10.770	35.376	3.28	0.70	27.111	0.351	1497.	3.3
218	220.0	10.681	35.367	3.26	0.70	27.120	0.353	1496.	3.4
220	222.1	10.675	35.368	3.26	0.70	27.122	0.355	1496.	3.6
222	224.0	10.603	35.355	3.27	0.70	27.125	0.357	1496.	3.8
224	226.0	10.456	35.339	3.27	0.70	27.138	0.359	1496.	3.9
226	228.1	10.250	35.315	3.28	0.70	27.155	0.361	1495.	3.9
228	229.8	10.163	35.307	3.29	0.70	27.164	0.363	1495.	3.9
230	232.2	10.085	35.300	3.28	0.70	27.172	0.365	1494.	3.7
232	233.9	9.973	35.284	3.29	0.70	27.179	0.367	1494.	3.3
234	235.9	9.903	35.277	3.29	0.70	27.186	0.368	1494.	2.8
236	238.0	9.880	35.276	3.27	0.70	27.188	0.370	1494.	2.5
238	240.1	9.864	35.274	3.26	0.70	27.190	0.372	1494.	2.4
240	241.8	9.851	35.272	3.27	0.70	27.191	0.374	1494.	2.4
242	244.1	9.813	35.268	3.26	0.70	27.194	0.376	1493.	2.7
244	246.0	9.760	35.261	3.26	0.70	27.197	0.378	1493.	3.0
246	247.9	9.680	35.251	3.28	0.70	27.203	0.379	1493.	3.2
248	250.0	9.553	35.237	3.28	0.70	27.213	0.381	1493.	3.3
250	252.1	9.449	35.227	3.29	0.70	27.223	0.383	1492.	3.4
252	253.9	9.387	35.223	3.29	0.70	27.230	0.385	1492.	3.4
254	256.0	9.352	35.220	3.31	0.70	27.234	0.387	1492.	3.3
256	258.1	9.272	35.211	3.33	0.70	27.239	0.388	1492.	3.0
258	259.9	9.202	35.208	3.35	0.70	27.248	0.390	1491.	2.7
260	262.0	9.172	35.207	3.34	0.70	27.253	0.392	1491.	2.6
262	264.1	9.161	35.207	3.37	0.71	27.254	0.394	1491.	2.5
264	265.9	9.157	35.206	3.38	0.71	27.255	0.395	1491.	2.4
266	268.0	9.122	35.203	3.34	0.70	27.258	0.397	1491.	2.3
268	270.0	9.043	35.192	3.38	0.71	27.262	0.399	1491.	2.4
270	271.8	8.972	35.185	3.38	0.71	27.268	0.400	1491.	2.4
272	274.1	8.957	35.186	3.34	0.70	27.271	0.402	1491.	2.4
274	276.0	8.903	35.178	3.36	0.71	27.274	0.404	1491.	2.2
276	277.9	8.862	35.175	3.35	0.71	27.278	0.405	1490.	2.2
278	280.1	8.855	35.175	3.32	0.71	27.279	0.407	1490.	2.2
279	281.8	8.853	35.174	3.35	0.71	27.279	0.409	1491.	2.3
282	284.0	8.778	35.161	3.34	0.71	27.281	0.411	1490.	2.2
284	286.0	8.664	35.152	3.36	0.71	27.291	0.412	1490.	2.2
286	288.0	8.648	35.151	3.35	0.71	27.293	0.414	1490.	2.5
288	290.1	8.644	35.152	3.36	0.71	27.295	0.416	1490.	2.8
289	291.9	8.639	35.152	3.37	0.71	27.295	0.417	1490.	2.9
292	294.0	8.613	35.149	3.37	0.71	27.297	0.419	1490.	2.9
294	296.0	8.389	35.126	3.40	0.71	27.314	0.420	1489.	3.0
296	298.0	8.365	35.131	3.40	0.71	27.321	0.422	1489.	3.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	130	74	15 NOV 1982	07.4	40 04.9 N	68 33.4 W	478

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
297	299.9	8.355	35.130	3.44	0.71	27.323	0.424	1489.	3.1
299	302.0	8.308	35.126	3.44	0.71	27.326	0.425	1489.	3.2
302	304.1	8.264	35.122	3.46	0.71	27.330	0.427	1489.	3.3
303	306.0	8.195	35.117	3.51	0.71	27.336	0.428	1488.	3.5
305	308.0	8.131	35.113	3.54	0.71	27.343	0.430	1488.	3.7
307	309.9	8.005	35.106	3.56	0.71	27.357	0.431	1488.	3.7
310	312.2	7.889	35.102	3.57	0.71	27.371	0.433	1487.	3.5
311	313.8	7.851	35.103	3.64	0.71	27.378	0.434	1487.	3.2
313	316.0	7.835	35.104	3.66	0.71	27.381	0.436	1487.	2.8
315	318.0	7.835	35.106	3.68	0.71	27.382	0.437	1487.	2.3
317	320.0	7.834	35.107	3.66	0.71	27.383	0.439	1487.	2.0
319	322.0	7.819	35.107	3.68	0.71	27.385	0.440	1487.	1.9
321	324.0	7.803	35.107	3.71	0.71	27.388	0.442	1487.	1.8
323	326.1	7.787	35.107	3.70	0.71	27.390	0.443	1487.	1.8
325	327.8	7.769	35.107	3.71	0.72	27.392	0.445	1487.	1.8
327	330.1	7.754	35.107	3.67	0.71	27.395	0.446	1487.	1.8
329	332.1	7.747	35.107	3.70	0.71	27.396	0.448	1487.	1.7
331	333.8	7.738	35.106	3.73	0.72	27.397	0.449	1487.	1.7
333	336.0	7.715	35.105	3.68	0.71	27.399	0.451	1487.	1.7
335	338.1	7.698	35.103	3.69	0.71	27.401	0.452	1487.	1.7
337	339.9	7.674	35.102	3.73	0.72	27.403	0.454	1487.	1.7
339	342.0	7.663	35.102	3.73	0.72	27.404	0.455	1487.	1.8
341	344.0	7.652	35.101	3.74	0.72	27.405	0.456	1487.	2.2
343	346.0	7.641	35.101	3.76	0.72	27.407	0.458	1487.	2.5
345	348.1	7.625	35.101	3.78	0.72	27.409	0.459	1487.	2.7
347	350.0	7.566	35.095	3.80	0.72	27.413	0.461	1487.	3.0
349	351.9	7.452	35.091	3.84	0.72	27.426	0.462	1486.	3.3
351	354.1	7.425	35.093	3.84	0.72	27.432	0.464	1486.	3.5
353	355.9	7.371	35.089	3.91	0.72	27.436	0.465	1486.	3.6
355	358.0	7.296	35.086	3.94	0.72	27.445	0.466	1486.	3.6
357	360.1	7.200	35.083	3.98	0.72	27.456	0.468	1485.	3.5
359	361.9	7.158	35.082	4.01	0.72	27.461	0.469	1485.	3.4
361	364.2	7.074	35.078	4.02	0.72	27.470	0.471	1485.	3.2
363	365.9	7.013	35.076	4.07	0.73	27.477	0.472	1485.	2.9
365	367.8	6.967	35.071	4.13	0.73	27.479	0.473	1485.	2.6
367	370.1	6.935	35.069	4.13	0.73	27.483	0.474	1485.	2.3
369	372.0	6.917	35.068	4.14	0.73	27.484	0.476	1485.	2.0
371	374.1	6.902	35.068	4.16	0.73	27.486	0.477	1485.	1.8
373	376.0	6.896	35.068	4.17	0.73	27.487	0.478	1485.	1.7
375	377.9	6.882	35.068	4.17	0.73	27.489	0.479	1484.	1.6
377	380.0	6.876	35.069	4.16	0.73	27.490	0.481	1485.	1.6
379	382.0	6.846	35.066	4.17	0.73	27.492	0.482	1484.	1.6
381	383.9	6.827	35.065	4.19	0.73	27.494	0.483	1484.	1.8
383	386.2	6.828	35.066	4.19	0.72	27.495	0.485	1484.	2.0
385	387.9	6.825	35.067	4.21	0.73	27.496	0.486	1484.	2.1
387	390.2	6.743	35.056	4.20	0.72	27.499	0.487	1484.	2.2
389	392.0	6.674	35.052	4.23	0.73	27.505	0.488	1484.	2.1
391	394.0	6.644	35.052	4.25	0.73	27.509	0.490	1484.	2.1
393	396.0	6.635	35.051	4.28	0.73	27.510	0.491	1484.	1.9
395	398.0	6.631	35.053	4.30	0.73	27.511	0.492	1484.	1.7

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OC	130	74	15 NOV 1982	07.4	40 04.9 N	68 33.4 W	478

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
397	400.1	6.617	35.050	4.32	0.73	27.511	0.494	1484.	1.5
398	401.9	6.611	35.050	4.33	0.73	27.512	0.495	1484.	1.4
401	404.1	6.599	35.049	4.32	0.73	27.513	0.496	1484.	1.4
403	406.0	6.552	35.044	4.32	0.73	27.515	0.497	1484.	1.4
404	408.0	6.543	35.045	4.35	0.73	27.517	0.498	1484.	1.3
406	409.9	6.521	35.041	4.34	0.73	27.517	0.500	1484.	1.3
409	412.1	6.520	35.042	4.30	0.73	27.518	0.501	1484.	1.2
410	413.9	6.513	35.041	4.34	0.73	27.518	0.502	1484.	1.0
412	416.1	6.516	35.041	4.36	0.73	27.518	0.503	1484.	0.9
414	418.0	6.506	35.041	4.36	0.73	27.519	0.505	1484.	1.0
416	420.0	6.487	35.040	4.30	0.73	27.521	0.506	1484.	1.0
419	422.2	6.499	35.041	4.35	0.73	27.520	0.507	1484.	1.0
420	423.9	6.467	35.036	4.37	0.74	27.520	0.508	1484.	1.0
422	426.1	6.466	35.038	4.36	0.74	27.522	0.510	1484.	0.9
424	427.9	6.469	35.038	4.38	0.74	27.522	0.511	1484.	0.8
426	430.1	6.464	35.038	4.39	0.74	27.522	0.512	1484.	0.7
428	432.1	6.461	35.038	4.40	0.74	27.522	0.513	1484.	0.6
430	433.8	6.464	35.038	4.38	0.74	27.522	0.514	1484.	0.4
432	436.1	6.464	35.038	4.37	0.74	27.522	0.516	1484.	0.3
434	438.0	6.465	35.038	4.37	0.74	27.522	0.517	1484.	0.3
436	439.8	6.464	35.038	4.37	0.74	27.522	0.518	1484.	0.4
438	442.0	6.463	35.038	4.36	0.74	27.522	0.520	1484.	0.5
440	443.9	6.464	35.038	4.40	0.74	27.522	0.521	1484.	0.6
442	446.0	6.456	35.037	4.39	0.74	27.522	0.522	1484.	0.6
444	448.0	6.451	35.037	4.36	0.74	27.523	0.523	1484.	0.5
446	450.0	6.453	35.037	4.37	0.74	27.523	0.524	1484.	0.6
448	452.2	6.447	35.037	4.37	0.74	27.524	0.526	1484.	0.5
450	454.0	6.455	35.038	4.37	0.74	27.523	0.527	1484.	0.5
452	456.0	6.450	35.036	4.33	0.74	27.523	0.528	1484.	0.5
454	457.9	6.435	35.035	4.31	0.74	27.524	0.529	1484.	0.7
456	459.9	6.437	35.035	4.32	0.74	27.523	0.531	1484.	0.8
457	461.3	6.429	35.034	4.32	0.74	27.524	0.531	1484.	0.9
458	462.0	6.430	35.035	4.32	0.74	27.524	0.532	1484.	1.1
459	463.0	6.429	35.035	4.32	0.74	27.525	0.532	1484.	1.1
460	464.0	6.421	35.034	4.30	0.74	27.525	0.533	1484.	1.4
461	465.1	6.416	35.034	4.32	0.74	27.525	0.534	1484.	1.8
462	465.9	6.414	35.034	4.33	0.74	27.526	0.534	1484.	2.0
463	467.0	6.414	35.035	4.28	0.74	27.526	0.535	1484.	2.4
464	468.0	6.344	35.025	4.31	0.74	27.528	0.536	1484.	2.7
465	468.9	6.333	35.030	4.36	0.75	27.533	0.536	1484.	3.1
466	470.0	6.303	35.023	4.40	0.75	27.532	0.537	1484.	3.3
467	471.0	6.230	35.018	4.42	0.74	27.538	0.537	1483.	3.3
468	472.1	6.184	35.015	4.44	0.75	27.541	0.538	1483.	3.2
469	472.9	6.160	35.017	4.53	0.75	27.546	0.539	1483.	3.1
470	474.0	6.143	35.017	4.52	0.75	27.548	0.539	1483.	3.2
471	475.1	6.121	35.014	4.49	0.75	27.548	0.540	1483.	3.2
472	476.0	6.072	35.009	4.52	0.75	27.551	0.540	1483.	3.2
473	477.0	6.040	35.007	4.57	0.75	27.553	0.541	1483.	3.2
473	477.7	6.007	35.006	4.62	0.76	27.557	0.541	1483.	3.2

Appendix II. - NBIS CTD 9-track tape format

The NBIS CTD tape recorder interface writes two types of records; data records and header records. The records are 512 bytes (8 bits/byte) long. The usual sequence in a CTD cast will be one header record, followed by data records, followed by an End-Of-File.

Data records

A single scan of CTD data is 13 bytes long, 1 byte of frame sync and 12 bytes of data (table 1). An integer number of data scans is packed into 512 byte data records. For the USGS CTD, a data record contains 39 scans of data, and the remaining 5 bytes in the data record are filled with zeros.

Header records

A scan of header information consists of 8 bytes. The first byte is frame sync, which is either 00 (all "0"s) or FF (all "1"s). The remaining 7 bytes represent 14 BCD digits (4 bits each) which may be set on the CTD front panel. The 8 byte scan of header information is padded with zeros. One header record is written on the 9-T tape when "enter CTD header" data button is pushed.

Appendix Table II-1. - Bit assignments for USGS NBIS CTD

Byte	Variable	Range	Conversion
	Frame sync	15 or 240	
1	Pressure LSB	0-65535	÷ 20 = P (dbars)
2	Pressure MSB		
3	Temperature LSB	0-65535	÷ 2000 = T (°C)
4	Temperature MSB		
5	Conductivity LSB	0-65535	÷ 1000 C (mmho)
6	Conductivity MSB		
7	Sign		LSB = pressure negative 2nd = temperature negative 3rd = oxygen temperature negative 4th-8th = zero
8	Oxygen current	0-4096	÷ 2000 = current (μA)
9	(12 bits only)		
10	Oxygen temperature	0-255	x 256 ÷ 2000 T (°C)
11	Transmission	0-4096	x 32 ÷ 4096 = TR (volts)