U.S. DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

NORTH ATLANTIC SHELF-SLOPE HYDROGRAPHIC DATA REPORT

R/V OCEANUS CRUISE 140

by

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

Open-File Report 85-505

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

[1]Woods Hole, MA

1985

Contents

Tables

Illustrations

Appendix I. Data Listings

NORTH ATLANTIC SHELF-SLOPE HYDROGRAPHIC DATA REPORT
R/V OCEANUS CRUISE 140

Bradford Butman, John A. Moody, and Sandra J. Conley

INTRODUCTION

This report presents in graphical and tabular form hydrographic data obtained on R/V OCEANUS cruise 140, conducted between October 17-24, 1983. The hydrographic measurements (temperature, salinity, oxygen, and light transmission) were obtained across the outer shelf (~lat 41°00'N.) and upper slope (~lat 39°30'N.) south of New England between long 67°30'W. and long 71°30'W. as part of a study of currents and sediment transport in this region.

OBJECTIVES

During R/V OCEANUS 140, a total of 63 hydrographic profiles were obtained, 32 by means of a conductivity-temperature-depth (CTD) profiler and 31 by means of expendable bathythermographs (XBT's). Stations are numbered sequentially; station information is tabulated in table 1. The stations were arranged in eight sections across the shelf break from approximately the 70 to 2,500-m isobath (fig. 1). For this report, the sections are numbered from east to west; note that the sections are not chronologically ordered. The alongshelf section spacing ranged from about 40 to 80 km. The survey was designed to map the hydrography at the shelf/slope transition near five current moorings, one located along section 1, three along section 2, and one on section 5. To assess the temporal variability of the hydrography, two transects were occupied twice. Sections 2 and 3, located west of Welker Canyon, were occupied two days apart, and sections 5 and 6 located east of Atlantis Canyon were occupied 6 days apart. Section 3 was an XBT section (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-liter Niskin bottle was attached 5 m above the top of the CTD unit and CTD surface readings, longitude, latitude, and water depth were recorded in a log. The CTD was then lowered at approximately 30 m/min, stopped to record the deepest readings and to send a messenger to close the Niskin bottle. After the bottle was closed the CTD was raised at approximately 50 m/min and stopped at the surface. The Niskin bottle was removed and 1 deep-water sample was collected for analysis of salinity, 1 sample for nutrients, 1-3 samples for measurement of oxygen and approximately 2 litres for determination of suspended-matter concentration. These deep bottle samples were not obtained at all stations because of bottle malfunctions and bad weather, which made attaching the large sampler to the hydrographic wire dangerous. Deep samples were obtained at 9 stations (37, 38, 39, 45, 47, 48, 51, 52, and 63) and these limited deep oxygen and salinity samples were used as calibration checks on the CTD.

INSTRUMENT DESCRIPTION

The conductivity-temperature-depth (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 measured 32 times a 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 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 T4 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 were measured by a salinometer (Guildline Autosal 8400) and oxygen by the Wrinkler 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 was 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 echosounder.

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, the following 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).

$y(t) = y(t-dt) \cdot W0 + x(t) \cdot W1$
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 lab calibration of the CTD temperature was done on January 5, 1982 at the Woods Hole Oceanographic Institution and showed a temperature difference of 0.0091°C which is slightly higher than the manufacturer's accuracy of 0.005°C listed in table 2.

Salinity

Salinity and sigma-t were calculated from conductivity, temperature, and pressure using algorithms given by Fofonoff and Millard (1983). Salinity values of the nine deep-water bottle samples collected during CTD casts were determined using a salinometer (see table 2 for accuracy). The nine bottle salinities and the salinities computed from the CTD observations are listed in table 3. The mean difference (bottle-CTD) was 0.001 psu (practical salinity units; Lewis, 1980; Fofonoff and Millard, 1983) with a standard deviation of ± 0.038 psu. The mean difference of the surface salinity for the 32 CTD stations was 0.010 psu with a standard deviation of ± 0.071 psu. No correction was made to the salinities reported here to account for this offset.

The lab calibration of conductivity done on January 5, 1982 showed an accuracy of 0.0065 mmho which agrees closely with the manufacturer's accuracy of 0.005 mmho in table 2.

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 decibar (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 nine 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 nine surface saturation values were included with the nine deep oxygen values to give 18 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.)

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 18 calibration points giving values (± standard error) of: OXB = 0.17 ± 0.06, OCS = 2.64 ± 0.14, and WT = 0.64 ± 0.09.

The remaining parameter τ was determined by creating plots of down and upcast with different values of τ. The final value of $\tau = 6.00$ 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 nine samples. The mean residual (measured-computed) is - 0.10 ml/l with a standard deviation of ± 0.31 ml/l. These residuals are similar to those obtained by Owens and Millard (1984) from stations in the North Atlantic and North Pacific.

Light transmission

A clear water voltage, TR_{cw}, was determined from measurements of suspended-matter concentration and transmissometer voltage recorded in a laboratory calibration tank (Moody and Butman, 198-). Eight calibrations runs were made, some before and some after the cruise. The mean value of TR_{cw} for the sensor used in OC140 was 4.56 volts with a standard deviation of ±0.04 volts. This was used to normalize all transmission measurements, to give percent light transmission over 25-cm path length, and to compute the beam attenuation coefficient, ATN, for an equivalent 100-cm path length. The beam attenuation coefficient in m^{-1} was computed from the transmissometer voltage output, TR, as:

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

Summary

Based on these calibrations, the CTD temperature and salinity data are accurate to ± 0.01°C and 0.01 psu. The oxygen data are at least accurate to ± 0.3 ml/l, and the uncertainty in the attenuation coefficient is approximately ± 0.04 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 was 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 by using range filters for each variable. These 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 averaged at 2 dbar intervals to within approximately 10 m of the bottom where the average was changed to 1 dbar intervals to preserve any detailed structure near the bottom. This averaged data were used to contour the hydrographic sections 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

Nutrient analysis was done for surface water samples at each CTD station and for the nine deep-water samples. Suspended-matter concentration was measured at eight stations. The results are listed in tables 4 and 5.

Shipboard meteorological observations are listed in tables 6 and 7.

Contour sections

The hydrographic data are presented in several ways. Contoured sections are shown in figures 2-9. Each section is presented in two pieces, 0-200 m and 0-1,000 m to more clearly present the hydrographic structure on both the shelf and slope. The section numbers follow the hyphen after the cruise symbol OC140 and are also shown in figure 1 as circled numbers and listed in column 2 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 = 75 m) and horizontal scale (1 cm = 7.5 km) have a ratio of 1:100 for the lower piece and 1:200 for the upper piece and are the same for each section to make comparisons easy. Some sections however will seem unnecessarily small (ex., OC140-7).

The contour intervals for each variable are the same for all sections except for transmission in sections 6 and 8 where the contour intervals have been increased. Every fifth contour is thicker. Because of the contouring algorithms used, these sections do not show much detail at vertical scales less than 20 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 3 cells vertically (1 10-m cell above and 1 10-m cell below) 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 (1) padding the data into the bottom 50 m below the last measured value with the deepest value, and (2) padding data values below that with values observed at an adjacent deeper station. 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.

Station profiles

Plots of temperature, salinity, sigma-t, oxygen, and percent light transmission at each station are shown in figures 10-77. The averaging scheme is listed at the top of each plot and the different symbols used to distinguish variables are shown on each variable axis. XBT profiles have been limited to 500 m. Extinction coefficient (EXT COEFF) is the same as the beam attenuation coefficient and has the units of m^{-1}. 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 Daylight Time, NAVE is the number of CTD data scans in each average, TRAN is percent light transmission over 0.25 m, and ATN is the beam attenuation coefficient. For pressures greater than 500 dbar, the 2-dbar average data are listed at 20-dbar intervals.

ACKNOWLEDGMENTS

This work was supported in part by Interagency Agreement IA 14-12-0001-30180 between the U.S. Geological Survey and the U.S. Minerals Management Service. We thank the officers and crew of R/V OCEANUS for their help at sea collecting the data and Bob Millard for advice in the data processing. Maxine Jones wrote the CTD processing programs. Z. Mlodzinska-Kijowski (Woods Hole Oceanographic Institution) processed the nutriant samples. M. Bothner, C Parmenter and R. Rendigs processed the suspended sediment and oxygen samples at sea and assisted in all phases of the hydrographic work.

REFERENCES

Bartz, R., Zanevald, J. R. V., and Pak, H., 1978, A transmissometer for profiling and moored observations in water: SPIE Ocean Optico V, v. 160, p. 102-108.

Bendat, J. S., and Piersol, A. G., 1971, Random data: Analysis and measurement procedures: N. Y., Wiley-Interscience, 407 p.

Brown, N. L., and Morrison, G. K., 1978, Woods Hole Oceanographic Institution/Brown conductivity, temperature and depth microprofiler: Woods Hole Oceanographic Institution Technical Report 78-23, unpublished manuscript.

Butman, B., and Moody, J. A., 1984, Bathymetric map of Lydonia Canyon, U.S. Atlantic Outer Continental Shelf: U.S. Geological Survey Miscellaneous Field Studies Map MF-1710.

Fofonoff, N. P., Hayes, S. P., and Millard, R. C., Jr., 1974, Woods Hole Oceanographic Institution/Brown microprofiler: Methods of calibration and data handling: Woods Hole Oceanographic Institution Technical Report No. 74-89, unpublished manuscript.

Fofonoff, N. P., and Millard, R. C., Jr., 1983, Algorithms for computation of fundamental properties of sea water: Paris, UNESCO Technical Papers in Marine Science, no. 44.

Georgi, D. T., Dean, J. P., and Chase, J. A., 1980, Temperature calibration of expendable bathythermographs: Ocean Engineering, v. 7, p. 491-499.

Lewis, E. L., 1980, The practical salinity scale 1978 and its antecedents: IEEE Journal of Ocean Engineering, v. OE-5, no. 1, p. 3-8.

Heinmiller, R. H., Ebbesmeyer, A. C., Taft, B. A., Olsen, D. B., and Nikitin, O. P., 1983, Systematic errors in expendable bathythermograph (XBT) profiles: Deep-Sea Research, v. 30, no. 11A, p. 1185-1197.

Integrated Software Systems Corporation, 1981, DISPLA, Display integrated software system and plotting language users manual, version 9.0: San Diego, Calif., Integrated Software Systems.

Millard, R. C., Jr., 1982, CTD calibration and data processing techniques at WHOI using the 1978 practical salinity scale: Proceedings of the International STD Conference and Workshop, La Jolla, Calif., 8-11 February 1982, Marine Technology.

Owens, W. Brechner, and Millard, Robert C., Jr., 1985, A new algorithm for CTD oxygen calibration: Journal of Physical Oceanography, v. 15, no. 5, p. 621-631.

SAS Institute, Inc., 1982, SAS user's guide: Statistics: North Carolina, 584 p.

Stegen, G. R., Delisi, D. P., and Von Collii, R. C., 1975, A portable, digital recording, expendable bathythermograph (XBT) system: Deep-Sea Research, v. 22, p. 447-453.

Strickland, J. D. H., and Parson, T. R., 1972, A practical handbook of sea water analysis: Ottawa, Fisheries Research Board of Canada, 310 p.

Weiss, R. F., 1970, The solubility of nitrogen, oxygen and argon in water and sea water: Deep-Sea Research, v. 17, p. 721-735.

Table 1. Hydrographic stations R/V OCEANUS Cruise 140, October 17-24, 1983

Station	Section	Date	Time[1]	Latitude[2] (N.)	Longitude (W.)	Water depth (m)	Type
1	5	10/18	2015	39°54.2'	70°04.0'	480	CTD
2	.	10/18	2110	39°56.4'	70°02.9'	285	CTD
3	.	10/18	2222	39°58.1'	70°00.6'	173	CTD
4	.	10/18	2324	40°05.3'	69°59.3'	140	XBT
5	5	10/19	0016	40°10.9'	69°58.1'	101	CTD
6	3	10/19	2034	39°50.3'	68°28.4'	>750	XBT
7	.	10/19	2309	39°53.8'	68°33.5'	>750	XBT
8	.	10/19	2350	39°58.7'	68°35.6'	>750	XBT
9	.	10/20	0034	40°05.0'	68°37.0'	475	XBT
10	.	10/20	0104	40°08.4'	68°37.4'	180	XBT
11	.	10/20	0144	40°14.0'	68°38.1'	130	XBT
12	3	10/20	0227	40°18.9'	68°39.3'	102	XBT
13	1	10/21	1703	40°07.1'	67°43.8'	2,105	CTD
14	.	10/21	1852	40°11.5'	67°45.2'	>750	XBT
15	.	10/21	1935	40°16.5'	67°46.4'	575	CTD
16	.	10/21	2040	40°21.1'	67°47.9'	187	CTD
17	.	10/21	2130	40°26.0'	67°49.6'	137	XBT
18	1	10/21	2223	40°32.6'	67°50.9'	99	CTD
19		10/21	2337	40°32.1'	68°04.3'	105	XBT
20		10/22	0005	40°31.8'	68°11.6'	105	XBT
21	2	10/22	0212	40°30.0'	68°43.7'	73	CTD
22	.	10/22	0253	40°25.9'	68°43.0'	85	XBT
23	.	10/22	0335	40°19.4'	68°40.2'	101	CTD
24	.	10/22	0428	40°13.6'	68°36.2'	160	XBT
25	.	10/22	0533	40°08.6'	68°36.5'	285	CTD
26	.	10/22	0650	40°05.0'	68°35.5'	755	CTD
27	.	10/22	0738	40°01.6'	68°34.5'	1,550	CTD
28	.	10/22	0932	39°58.5'	68°32.9'	1,920	CTD
29	.	10/22	1150	39°54.1'	68°34.5'	>750	XBT
30	2	10/22	1233	39°49.0'	68°30.0'	2,500	CTD
31		10/22	1416	39°51.9'	68°40.2'	2,300	XBT
32		10/22	1447	39°52.9'	68°48.1'	2,000	XBT
33	4	10/22	1521	39°50.1'	68°55.7'	2,000	XBT
34	.	10/22	1552	39°53.2'	68°58.5'	>1,600	XBT
35	.	10/22	1627	39°58.6'	69°00.1'	1,600	XBT
36	.	10/22	1704	40°04.5'	69°02.0'	580	XBT
37	.	10/22	1748	40°09.0'	69°03.3'	435	CTD
38	.	10/22	1851	40°11.5'	69°04.4'	145	CTD
39	.	10/22	1945	40°16.2'	69°06.5'	99	CTD
40	.	10/22	2041	40°20.1'	69°08.4'	90	XBT
41	4	10/22	2110	40°23.2'	69°09.1'	86	CTD

Table 1. Hydrographic stations R/V OCEANUS Cruise 140, October 17-24, 1983--Continued

Station	Section	Date	Time[1]	Latitude[2] (N.)	Longitude (W.)	Water depth (m)	Type
42		10/22	2216	40°23.4'	69°20.1'	77	XBT
43		10/22	2256	40°23.0'	69°30.2'	70	XBT
44		10/22	2344	40°22.6'	69°42.0'	72	XBT
45	6	10/23	0032	40°22.8'	69°52.9'	80	CTD
46	.	10/23	0138	40°17.0'	69°55.6'	88	XBT
47	.	10/23	0218	40°11.1'	69°57.3'	98	CTD
48	.	10/23	0315	40°04.6'	69°59.8'	145	CTD
49	.	10/23	0417	39°57.7'	70°01.4'	212	CTD
50	.	10/23	0527	39°49.5'	70°05.2'	1,050	XBT
51	6	10/23	0557	39°44.5'	70°07.4'	2,000	CTD
52		10/23	1126	39°54.1'	70°04.5'	1,457	CTD
53	7	10/23	1434	39°56.6'	70°14.8'	726	XBT
54	.	10/23	1526	40°00.1'	70°11.7'	485	CTD
55	.	10/23	1619	40°03.5'	70°11.2'	267	CTD
56	7	10/23	1653	40°04.6'	70°08.9'	168	CTD
57	8	10/23	2033	40°01.5'	70°46.5'	230	CTD
58	.	10/23	2124	40°07.5'	70°48.4'	140	XBT
59	.	10/23	2144	40°12.2'	70°50.2'	130	CTD
60	.	10/23	2230	40°16.1'	70°52.6'	120	XBT
61	.	10/23	2251	40°20.0'	70°54.9'	100	CTD
62	.	10/23	2337	40°24.9'	70°57.5'	87	XBT
63	8	10/23	2358	40°30.1'	71°00.6'	80	CTD

[1]Time is EDT.
[2]All latitude and longitude from Northstar-6000 5101 algorithm.

Table 2. Instrument specifications for R/V OCEANUS Cruise 140. 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
Wrinkler	--	0-10 ml/l	2%	0.2%

*See text for discussion of temperature and depth accuracy.

Table 3. Calibration data for R/V OCEANUS Cruise 140, October 17-24, 1984

Station	Sample depth (m)	Salinity (psu) Bottle	CTD	Residual	Oxygen (ml/l) Bottle	CTD	Residual
37*	419	35.105	35.072	0.033	4.16	4.76	-0.50
38	131	34.221	34.221	0.000	4.76	4.93	-0.17
39	90	34.138	34.128	0.010	5.62	5.03	0.59
41	87	33.521	33.475	0.048	--	--	--
45	69	32.801	32.857	-0.056	5.40	5.34	0.06
47	91	--	--	--	5.24	5.08	0.16
48	136	33.944	35.007	-0.063	4.53	4.27	0.26
51	243	35.239	35.213	0.026	3.16	3.52	-0.36
52	460	35.013	35.000	0.012	5.07	4.81	0.26
63	72	32.607	32.603	-0.004	5.05	5.04	0.01
Mean				0.001			-0.10
Standard deviation				± 0.038			± 0.32

*Sample depth could be shallower than recorded; bottle trip not felt through hydro-wire.

Table 4. Surface and deep nutrients for R/V OCEANUS Cruise 140

Station	Sample depth (m)	PO_4-P (µgat/l)	SiO_4-Si (µgat/l)	NO_3-N (µgat/l)	NO_2-N (µgat/l)	NH_3-N (µgat/l)
1	0	0.23	1.2	0.1	0.04	0.26
2	0	.18	.9	.1	.02	.22
3	0	.24	1.3	.1	.03	.24
4	0	.29	1.4	.1	.04	.34
13	0	.14	1.0	.1	.04	.24
15	0	.15	1.0	.1	.03	.18
16	0	.19	1.3	.2	.05	.20
18	0	.30	1.4	.5	.04	.21
20	0	.36	2.5	1.9	.08	.35
21	0	.38	2.5	1.3	.10	.23
22	0	.33	2.2	1.1	.08	.37
23	0	.44	2.9	2.5	.13	.38
25	0	.17	1.6	.7	.05	.16
26	0	.13	1.2	.3	.04	.20
27	0	.10	1.0	.1	.03	.17
28	0	.09	.7	.1	.04	.20
30	0	.10	.9	.1	.04	.13
35	0	.11	.9	.1	.03	.15
36	0	.12	9.6	.3	.04	.15
37	0	.31	2.6	2.0	.08	.17
	419	1.47	11.4	21.2	.12	.00
38	0	.41	3.0	3.0	.10	.16
	131	1.03	7.9	12.9	.13	.00
39	0	.26	1.7	1.0	.07	.17
	90	1.02	8.0	12.5	.15	.00
41	0	.38	2.3	.5	.07	.05
	87	.77	6.1	7.9	.17	.00
45	0	.34	1.7	.6	.10	.10
	69	.91	9.3	8.9	.17	.00
46	0	.38	2.4	1.5	.13	.00
47	0	.16	1.2	.3	.04	.00
	91	.80	5.7	8.1	.10	.25
48	0	.12	1.0	.0	.00	.00
	136	1.84	5.8	12.0	.06	.36
49	0	.17	1.2	.3	.05	.04
50	0	.13	.9	.0	.00	.00
51	0	.16	1.1	.0	.00	.00
	243	1.70	13.4	25.4	.06	.00
52	0	.19	1.5	.2	.04	.00
	460	1.55	13.3	22.7	.08	.00
54	0	.17	1.3	.1	.04	.01
55	0	.19	1.4	.3	.07	.00
56	0	.15	1.2	.0	.00	.00
57	0	.22	1.2	.2	.06	.04
59	0	.20	.7	.3	.05	.08
61	0	.23	1.2	.2	.06	.09
63	0	.29	.8	.3	.08	.08
	72	.81	8.8	7.3	.09	.08

Table 5. Suspended sediment for R/V OCEANUS Cruise 140

Station	Water depth (m)	Sample depth (m)	Suspended matter (mg/l)	Attn. coeff. (m^{-1})
38	145	131	1.23	0.26
41	86	74	.63	.23
45	80	69	.97	.43
47	98	91	1.64	.31
51	2,000	243	.12	.07
52	1,457	460	.09	.08
61	100	30	.19	.22
63	80	72	1.56	1.12

Table 6. Shipboard meteorological observations for R/V OCEANUS Cruise 140

Date	Time	Wind		Sea			Air		Weather
		Dir	Force	Dir	Swell	Height	Pressure (mb)	Temp (°C)	
Oct. 18	0400	SW	3	SW	1	2-3	1027	16.1	bc
	0800	SW	3	SW	2	1	1028	16.7	bc
	1200	SSE	3	---	----	2	1028	19.4	c
	1600	S	1	SSE	1	2	1026	20.0	bc
	2000	SSW	2-3	SSE	1	2	1026	17.8	c
	2400	SW	1	---	----	2	1026	18.3	c
Oct. 19	0400	---	0	---	----	2	1025	17.2	c
	0800	NNW	1-2	VAR	1	1	1025	18.3	o
	1200	NE	4	NE	1	3	1026	16.7	o
	1600	NE	6	NE	3	4-5	1026	16.7	o
	2000	NExN	6	NE	3	4-5	1028	15.0	o
	2400	NE	6	NE	3	4-5	1030	11.7	c
Oct. 20	0400	---	4-6	NE	3	4	1031	11.1	bc
	0800	NNE	6	NNE	3	4	1032	12.8	o
	1200	NNE	5	NNE	3	4	1033	11.7	o
	1600	NNE	6	NNE	3	4	1032	12.2	o
	2000	NE	5-6	NNE	3	4	1032	10.6	c
	2400	NE	5-6	NE	3	4	1032	11.1	c
Oct. 21	0400	ENE	5-6	ENE	3	4	1031	11.1	c
	0800	NNE	6-7	NNE	3	4	1031	10.6	c
	1200	---	---	---	---	----	------	----	----
	1600	NNE	6-7	NNE	3	4-5	1032	11.1	bc
	2000	NxE	6-7	NNE	4	4-5	1031	10.0	c
	2400	NNE	4-5	NNE	3	4	1033	10.0	c
Oct. 22	0400	NE	5	NE	3	4	1032	10.6	o
	0800	NNE	5	NE	4	4-5	1031	10.0	o
	1200	NNE	4	NE	3	4	1031	10.0	o
	1600	NNE	4	NE	3	3-4	1029	13.3	----
	2000	NxE	4-5	ENE	4	4	1029	10.0	c
	2400	N	3-4	N	1	3	1029	10.0	c
Oct. 23	0400	N	1	NE	1	2	1029	12.2	o
	0800	---	1	ENE	2	1	1027	11.1	o
	1300	---	0	ENE	2	1	1025	13.3	c
	1600	SSE	4	ENE	2	2	1024	13.3	o
	2000	SSE	4	ENE	2	3	1021	13.3	o
	2400	---	---	---	---	----	1019	14.4	op
Oct. 24	0400	S	3	WSW	2	3	1017	16.1	or

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			

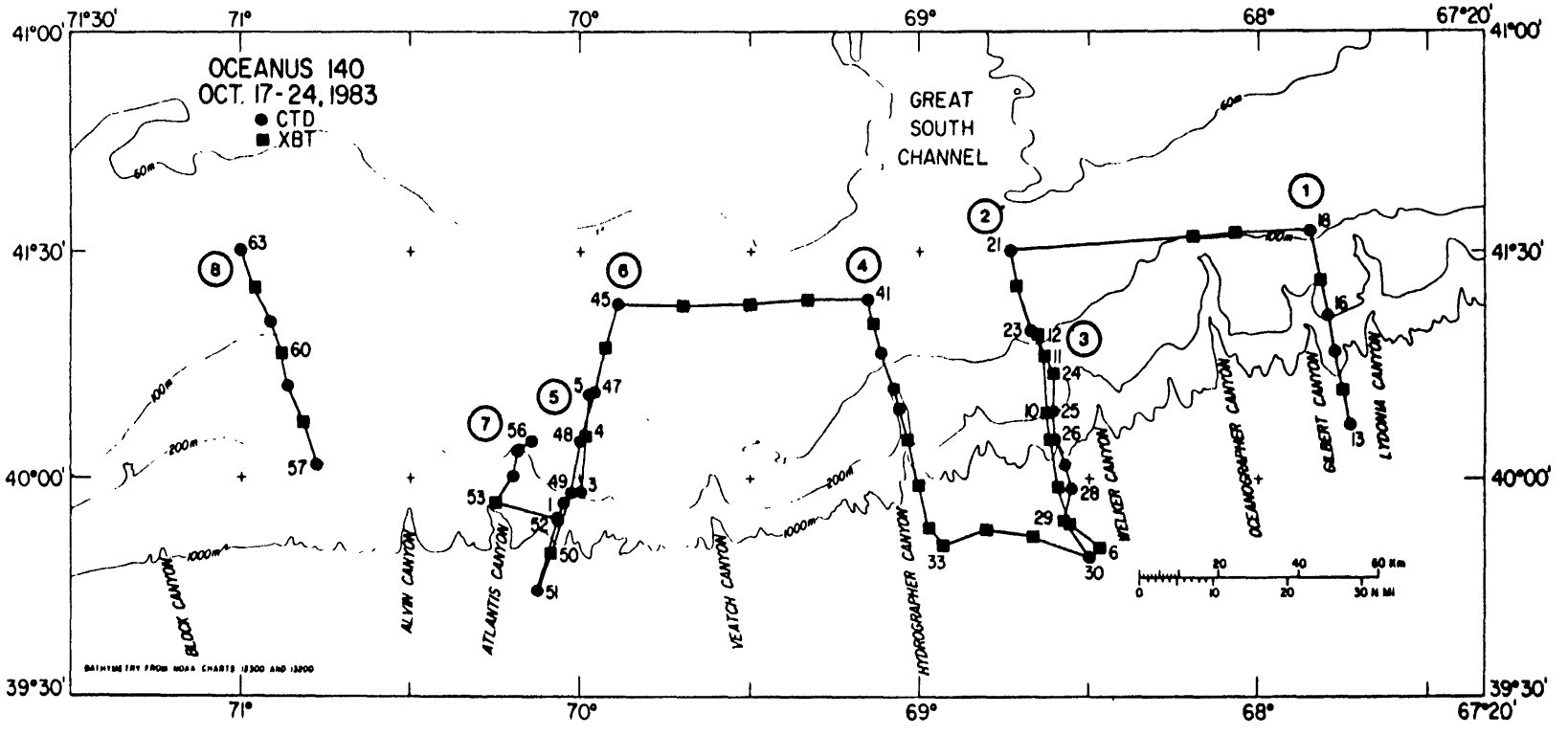


Figure 1. Location of hydrographic station. Circled numbers identify contoured sections in Figures 2-9.

Contour sections

The section numbers follow the hyphen after the cruise symbol OC140 and are also shown in figure 1 as circled numbers and listed in column 2 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 = 75 m) and horizontal scale (1 cm = 7.5 km) have a ratio of 1:100 for the lower piece and 1:200 for the upper piece and are the same for each section to make comparisons easy. Some sections however will seem unnecessarily small (ex., OC140-7)

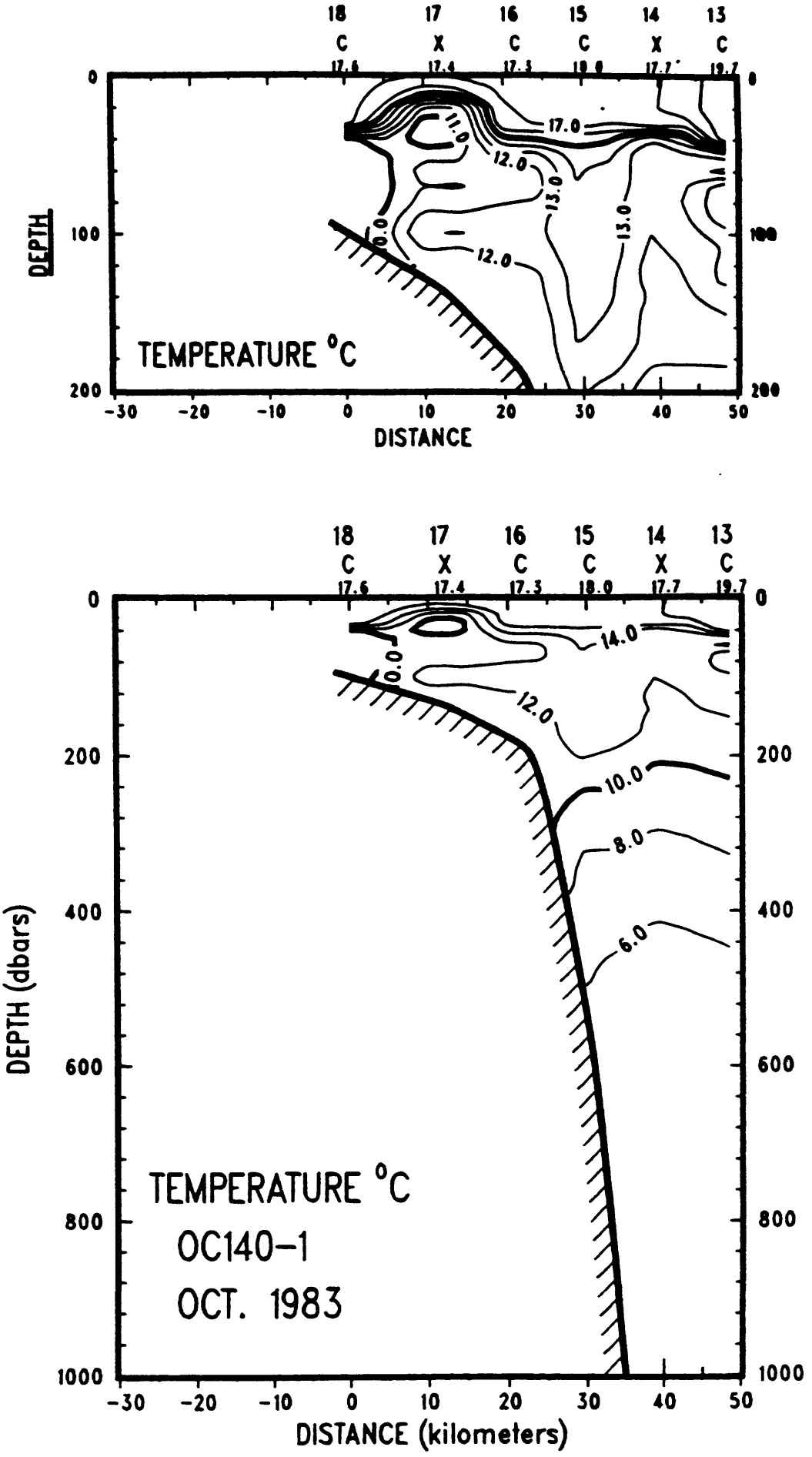

18 17 16 15 14 13
C X C C X C
17.6 17.4 17.3 18.0 17.7 19.7
0
100
200
DEPTH
11.0
12.0
13.0
15.0
17.0
16.0
TEMPERATURE °C
-30 -20 -10 0 10 20 30 40 50
DISTANCE
18 17 16 15 14 13
C X C C X C
17.6 17.4 17.3 18.0 17.7 19.7
0
200
400
600
800
1000
DEPTH (dbars)
14.0
12.0
10.0
8.0
6.0
TEMPERATURE °C
OC140-1
OCT. 1983
-30 -20 -10 0 10 20 30 40 50
DISTANCE (kilometers)

Figure 2a

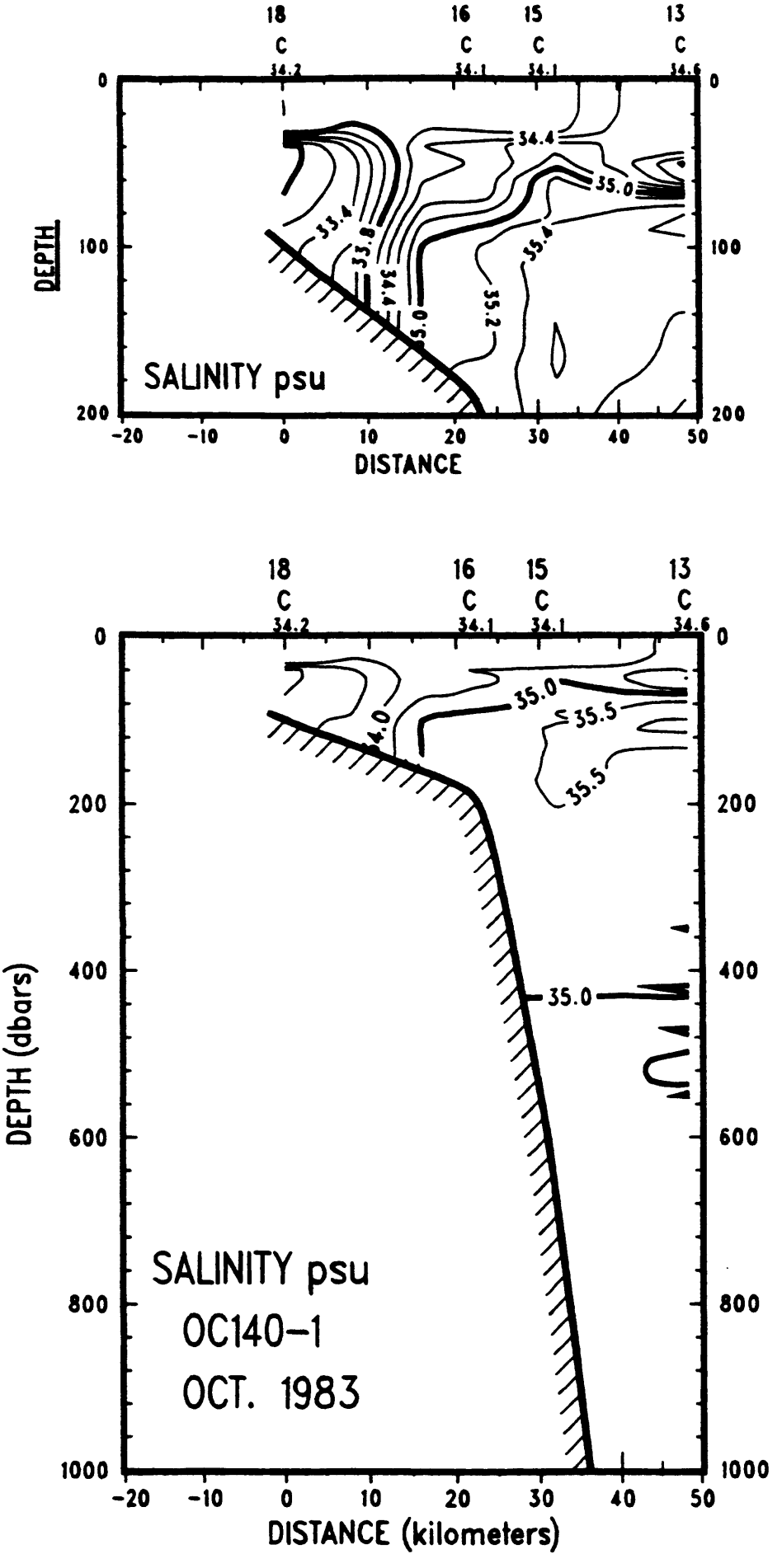
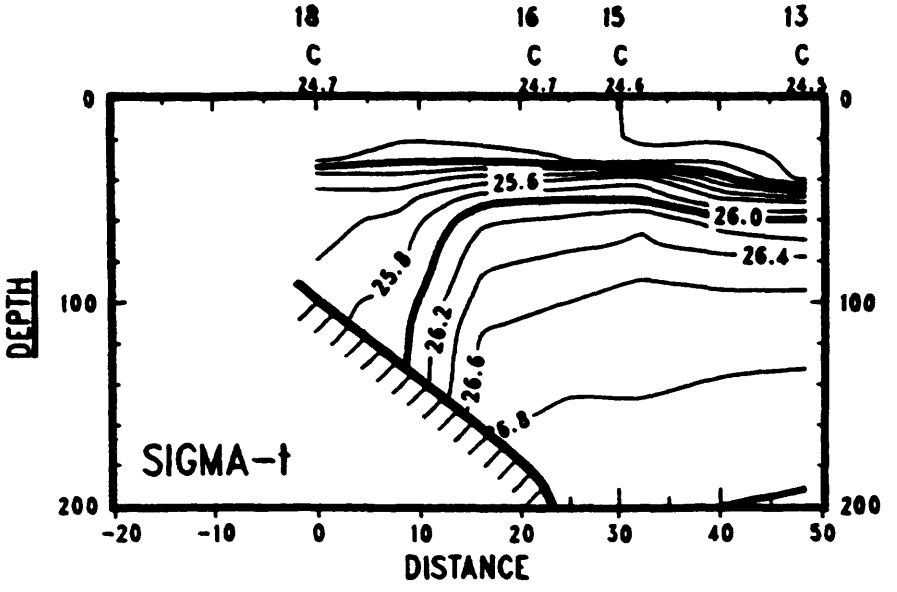
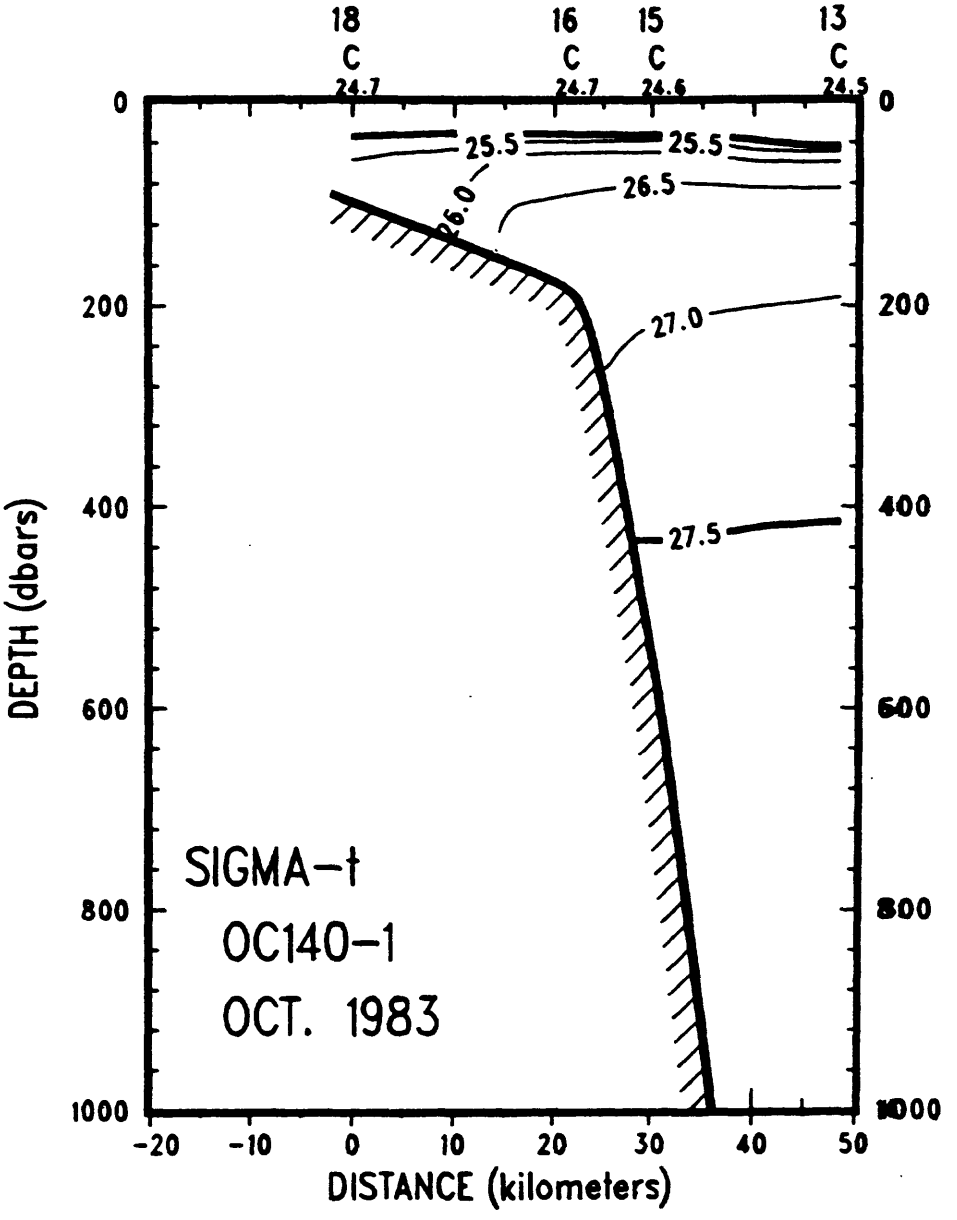
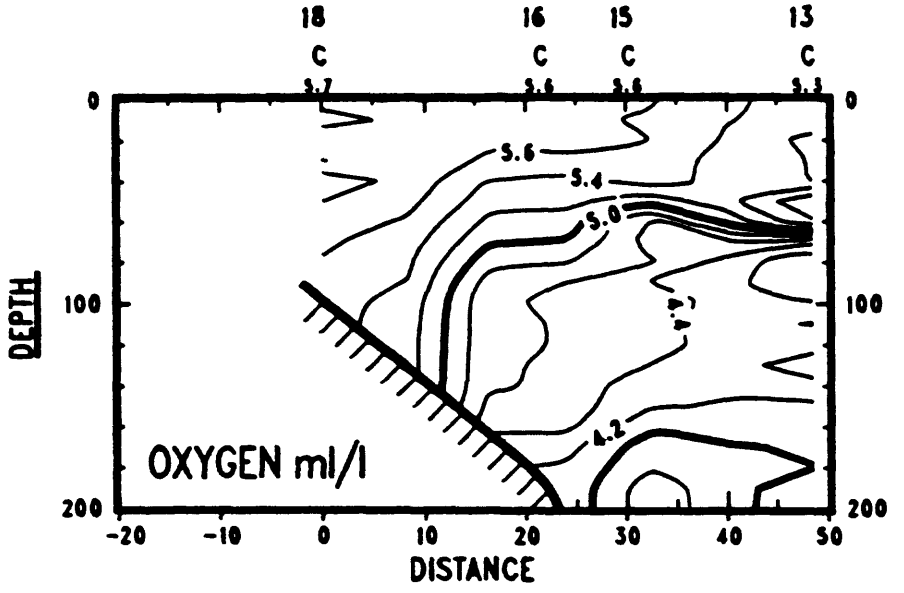

18 C 34.2
16 C 34.1
15 C 34.1
13 C 34.6
DEPTH
DEPTH (dbars)
SALINITY psu
SALINITY psu
OC140-1
OCT. 1983
DISTANCE
DISTANCE (kilometers)
34.4
35.0
33.4
33.8
34.4
35.0
35.2
35.4
34.0
35.0
35.5
35.5
35.0
0
100
200
400
600
800
1000
-20
-10
0
10
20
30
40
50

Figure 2b


18
C
24.7
16
C
24.7
15
C
24.6
13
C
24.5
0
100
200
DEPTH
25.6
26.0
26.4
23.8
26.2
26.6
26.8
SIGMA-t
-20
-10
0
10
20
30
40
50
DISTANCE


18
C
24.7
16
C
24.7
15
C
24.6
13
C
24.5
0
200
400
600
800
1000
DEPTH (dbars)
25.5
25.5
26.5
26.0
27.0
27.5
SIGMA-t
OC140-1
OCT. 1983
-20
-10
0
10
20
30
40
50
DISTANCE (kilometers)


18 C
16 C
15 C
13 C
5.7
5.6
5.6
5.3
DEPTH
0
100
200
5.6
5.4
5.0
4.2
OXYGEN ml/l
-20
-10
0
10
20
30
40
50
DISTANCE

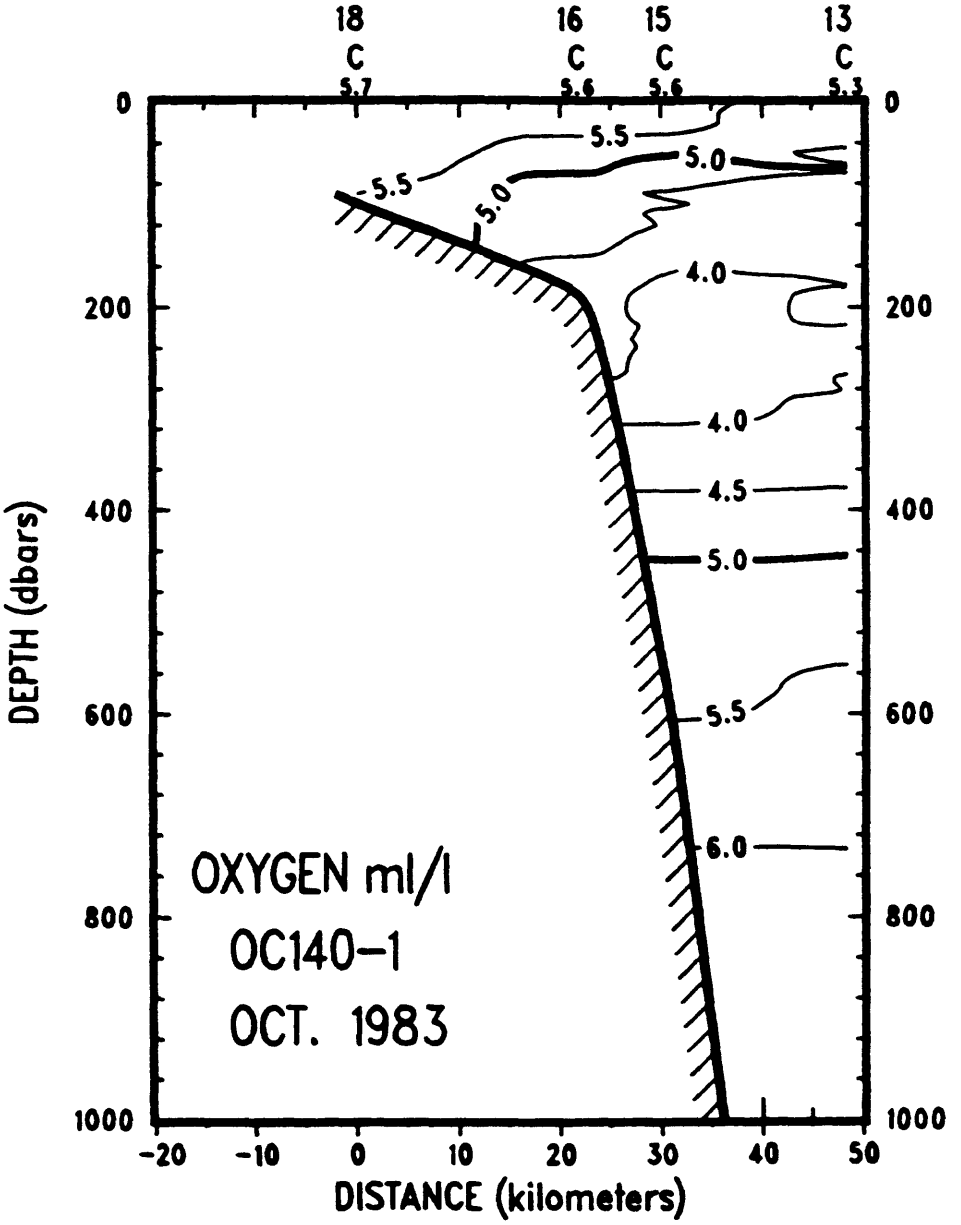
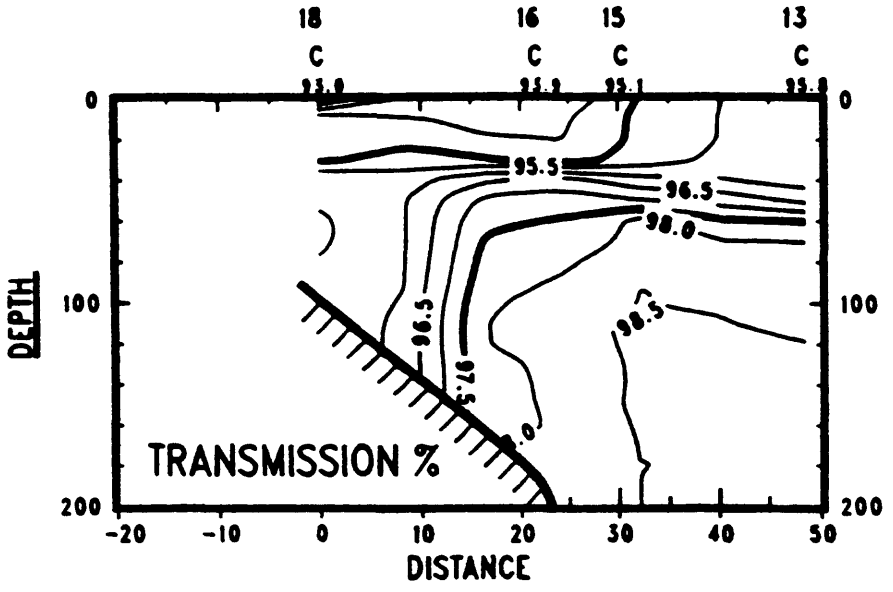
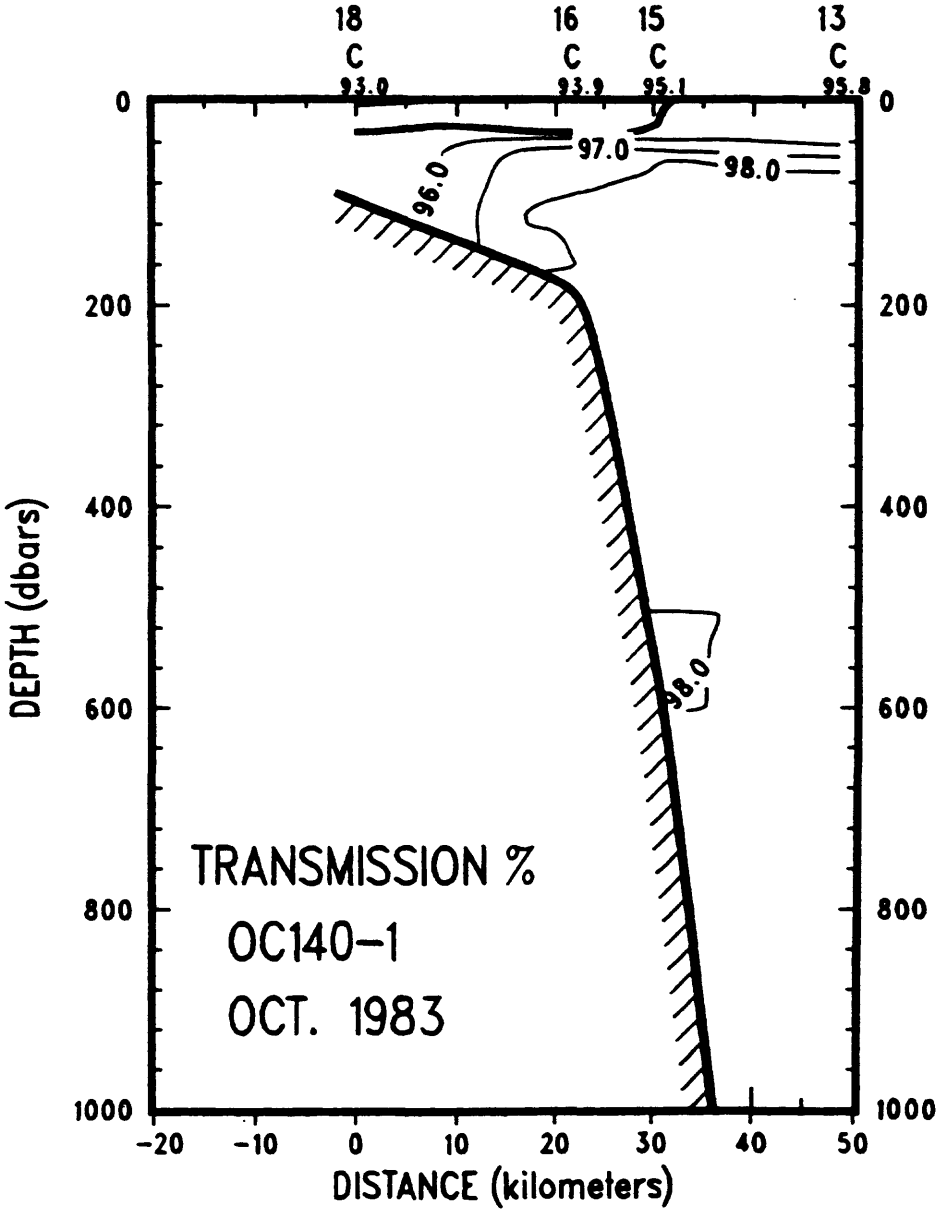

18 C
16 C
15 C
13 C
5.7
5.6
5.6
5.3
DEPTH (dbars)
0
200
400
600
800
1000
5.5
5.0
5.5
5.0
4.0
4.0
4.5
5.0
5.5
6.0
OXYGEN ml/l
OC140-1
OCT. 1983
-20
-10
0
10
20
30
40
50
DISTANCE (kilometers)

Figure 2d


18 C
16 C
15 C
13 C
93.0
93.9
95.1
95.8
0
100
200
DEPTH
95.5
96.5
98.0
98.5
97.5
96.0
TRANSMISSION %
-20
-10
0
10
20
30
40
50
DISTANCE


18 C
16 C
15 C
13 C
93.0
93.9
95.1
95.8
0
200
400
600
800
1000
DEPTH (dbars)
97.0
98.0
96.0
98.0
TRANSMISSION %
OC140-1
OCT. 1983
-20
-10
0
10
20
30
40
50
DISTANCE (kilometers)

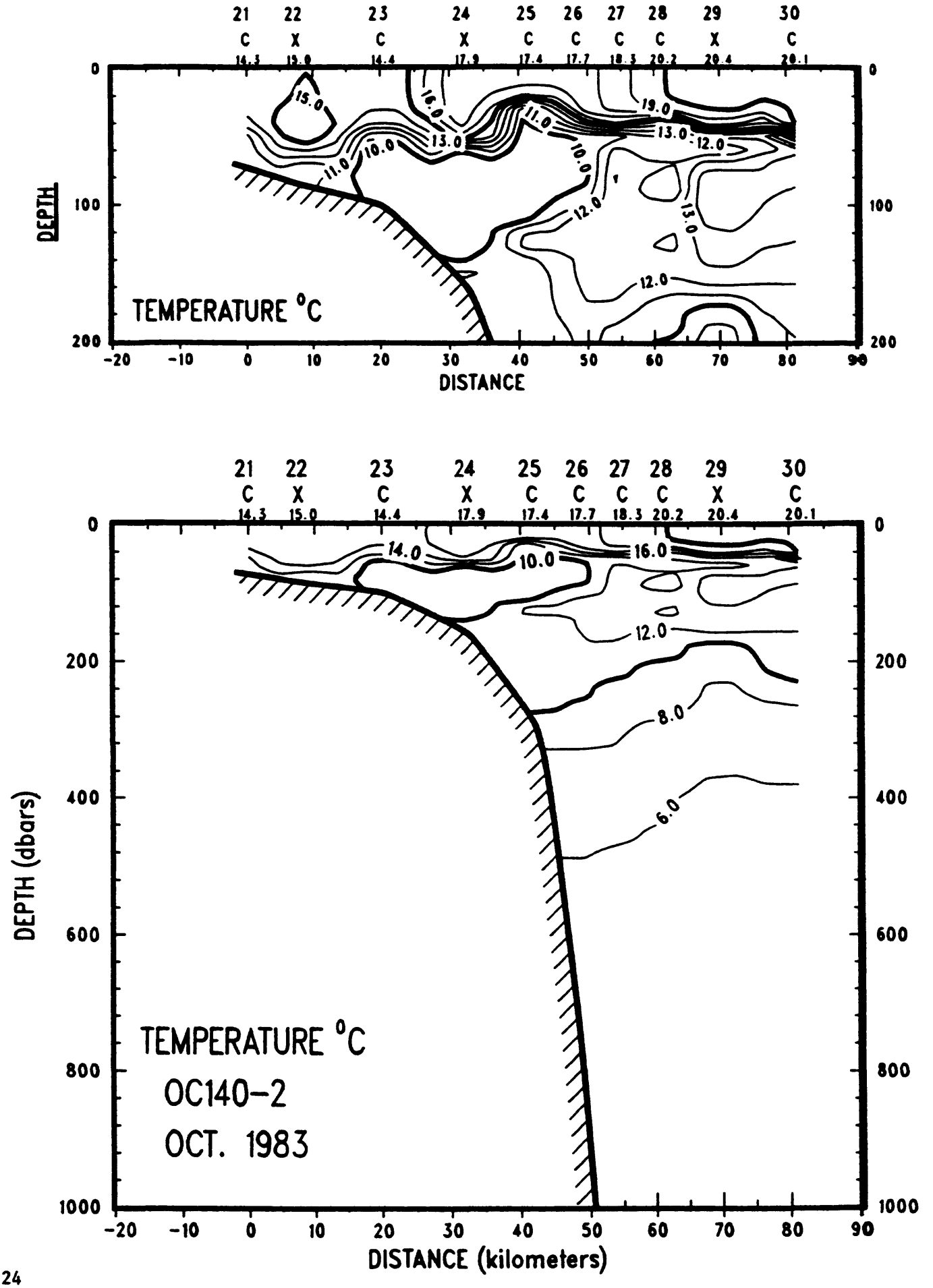
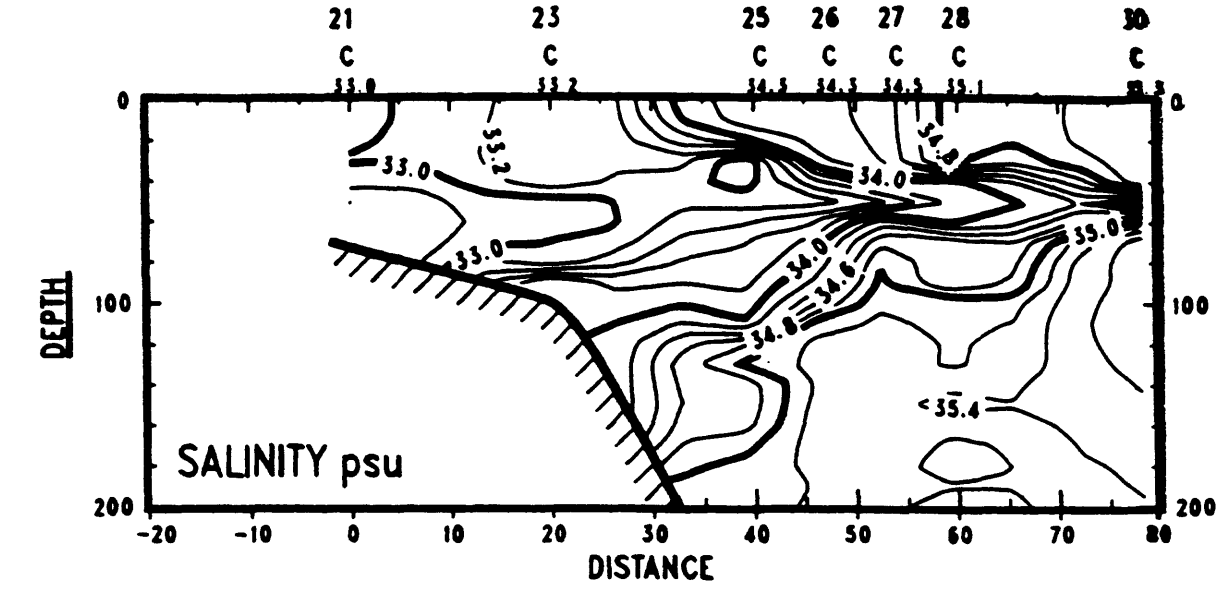

21 22 23 24 25 26 27 28 29 30
C X C X C C C C X C
14.3 15.0 14.4 17.9 17.4 17.7 18.3 20.2 20.4 20.1
DEPTH
DEPTH (dbars)
TEMPERATURE °C
TEMPERATURE °C
OC140-2
OCT. 1983
DISTANCE
DISTANCE (kilometers)
0
100
200
400
600
800
1000
-20 -10 0 10 20 30 40 50 60 70 80 90

Figure 3a


21 C
23 C
25 C
26 C
27 C
28 C
30 C
33.0
33.2
34.3
34.3
34.5
35.1
35.3
DEPTH
SALINITY psu
DISTANCE

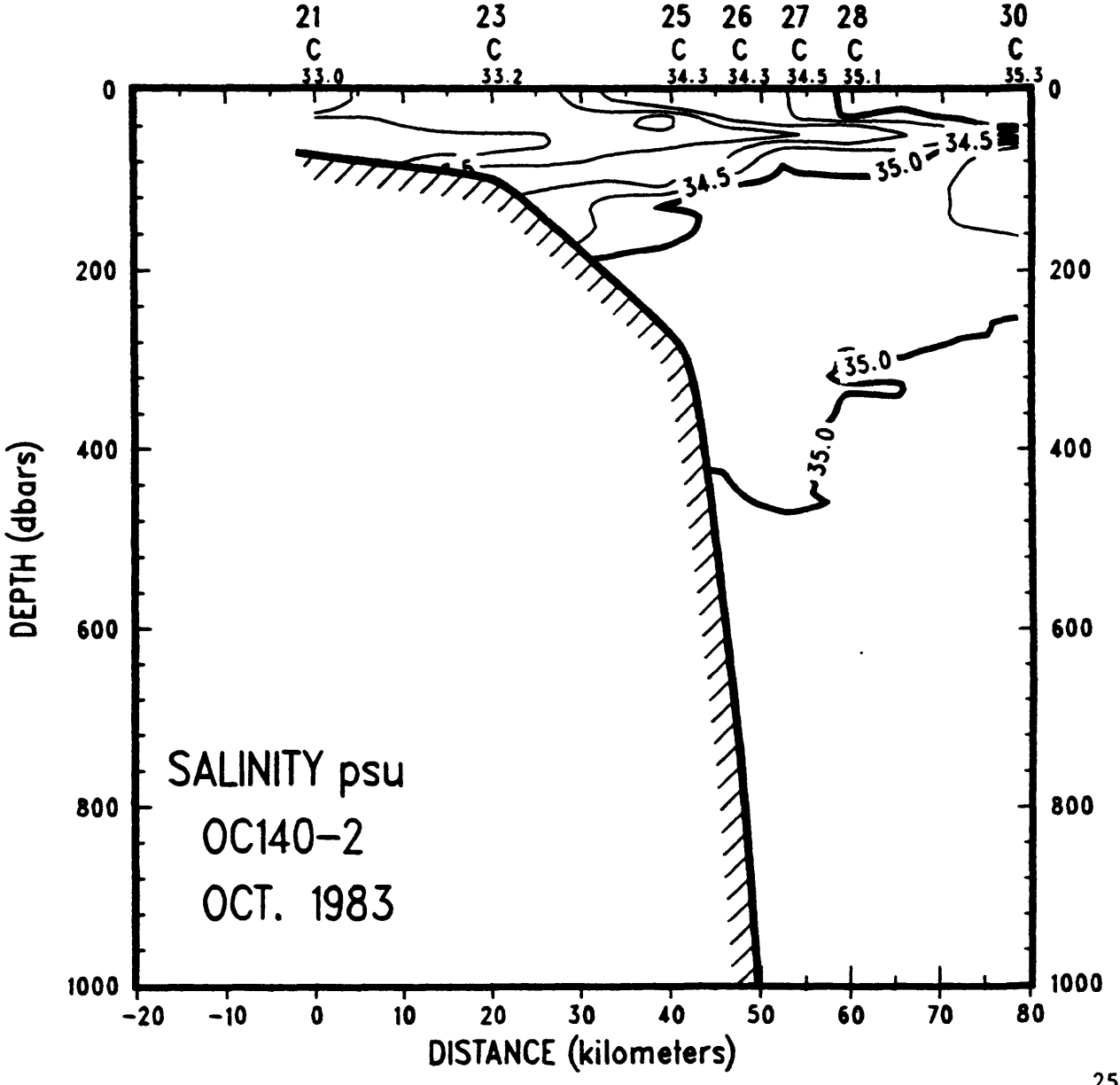

21 C
23 C
25 C
26 C
27 C
28 C
30 C
33.0
33.2
34.3
34.3
34.5
35.1
35.3
DEPTH (dbars)
SALINITY psu
OC140-2
OCT. 1983
DISTANCE (kilometers)

Figure 3b

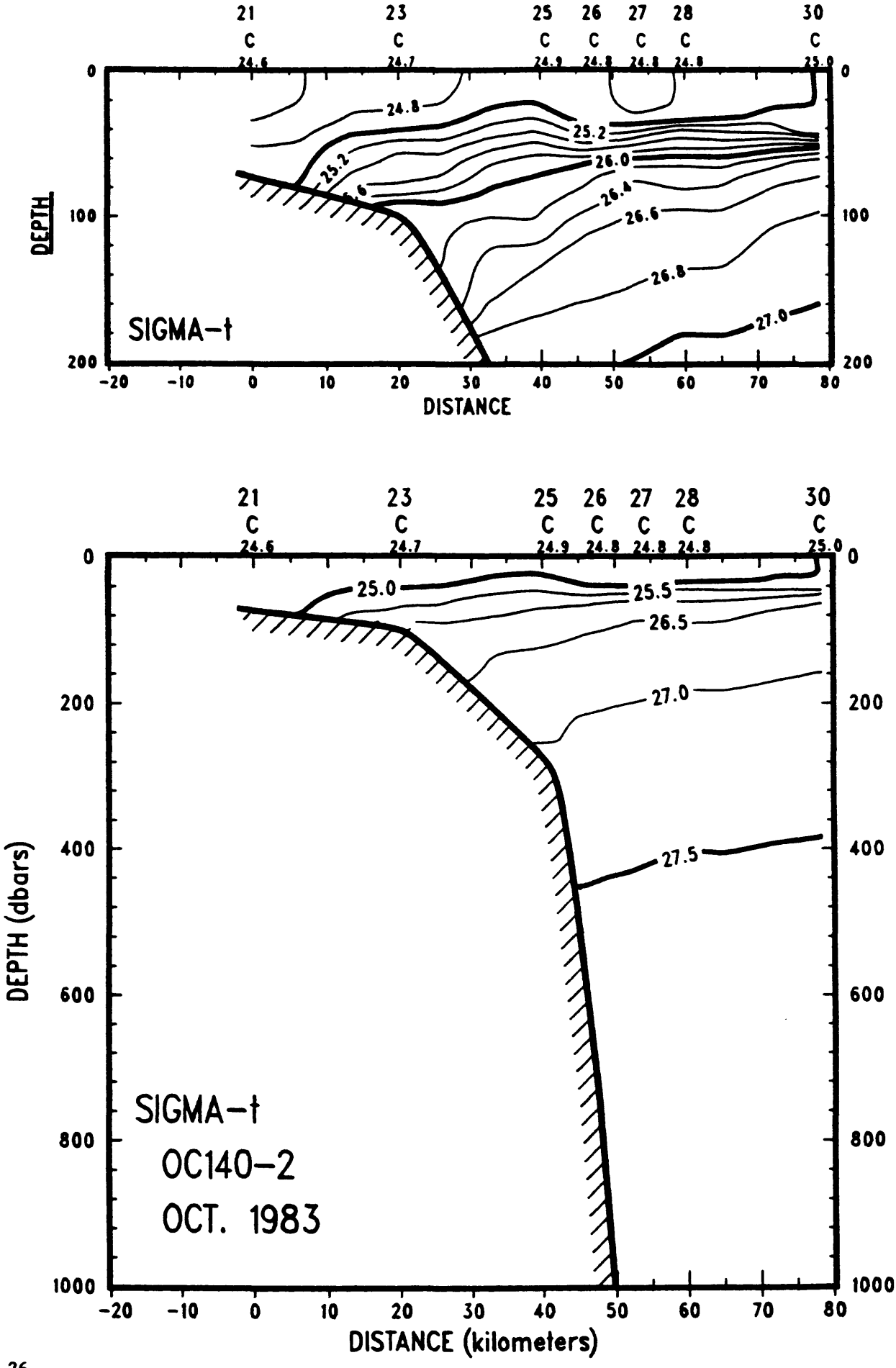

21 C 24.6
23 C 24.7
25 C 24.9
26 C 24.8
27 C 24.8
28 C 24.8
30 C 25.0
DEPTH
SIGMA-t
24.8
25.2
26.0
26.4
26.6
26.8
27.0
DISTANCE
DEPTH (dbars)
25.0
25.5
26.5
27.0
27.5
SIGMA-t
OC140-2
OCT. 1983
DISTANCE (kilometers)

Figure 3c

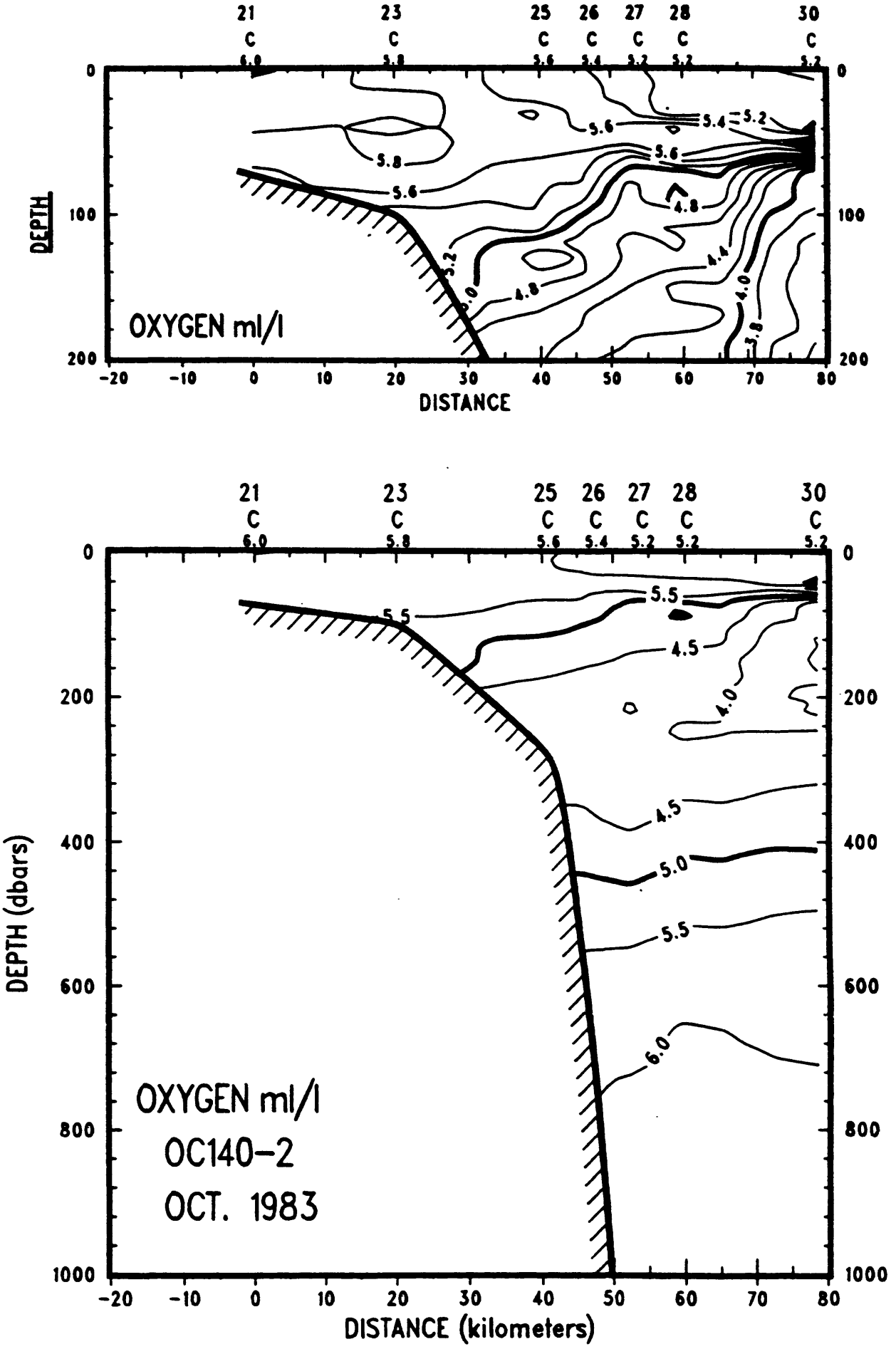

21 C 6.0
23 C 5.8
25 C 5.6
26 C 5.4
27 C 5.2
28 C 5.2
30 C 5.2
DEPTH
DEPTH (dbars)
OXYGEN ml/l
OC140-2
OCT. 1983
DISTANCE
DISTANCE (kilometers)

Figure 3d

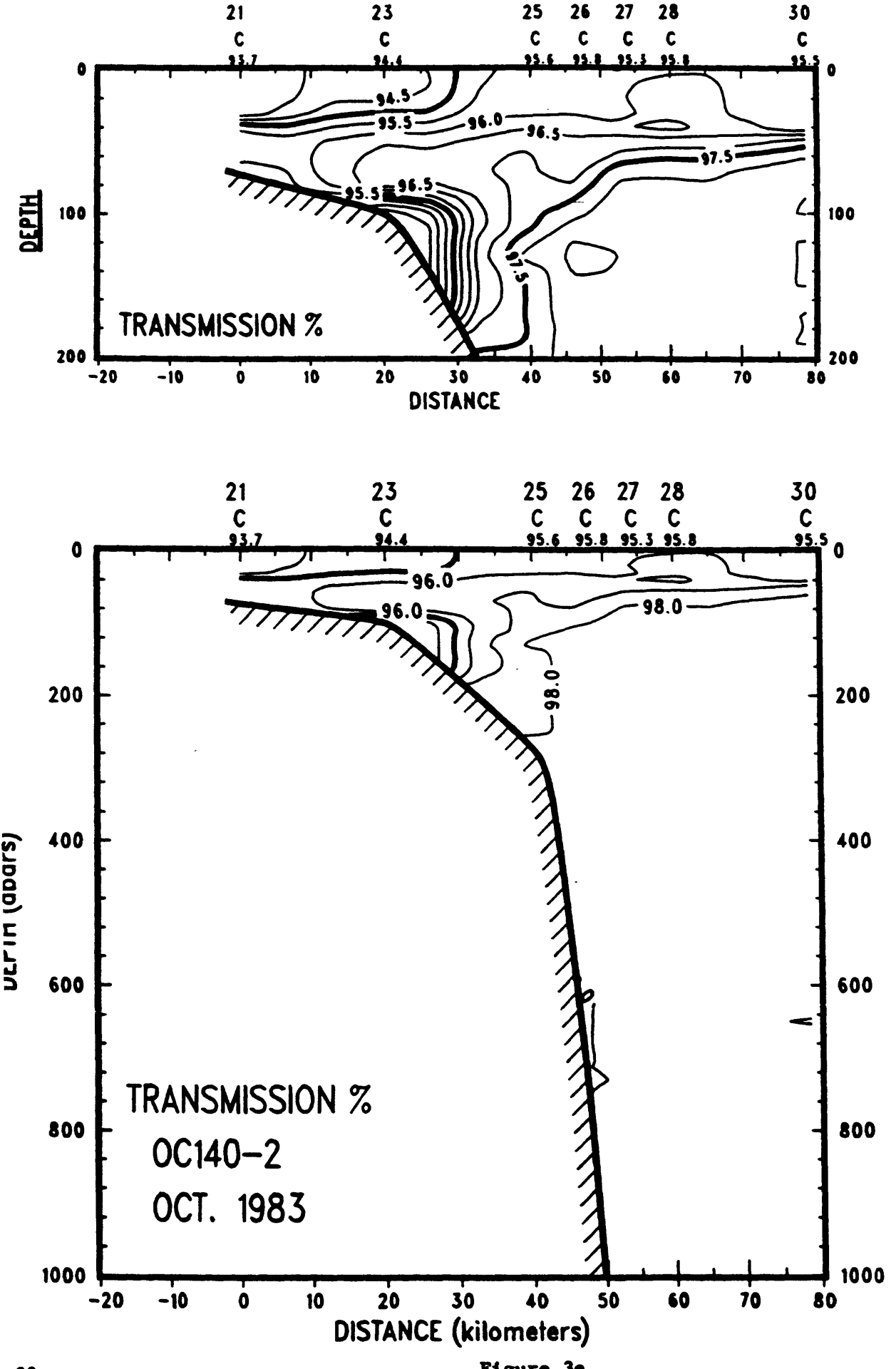
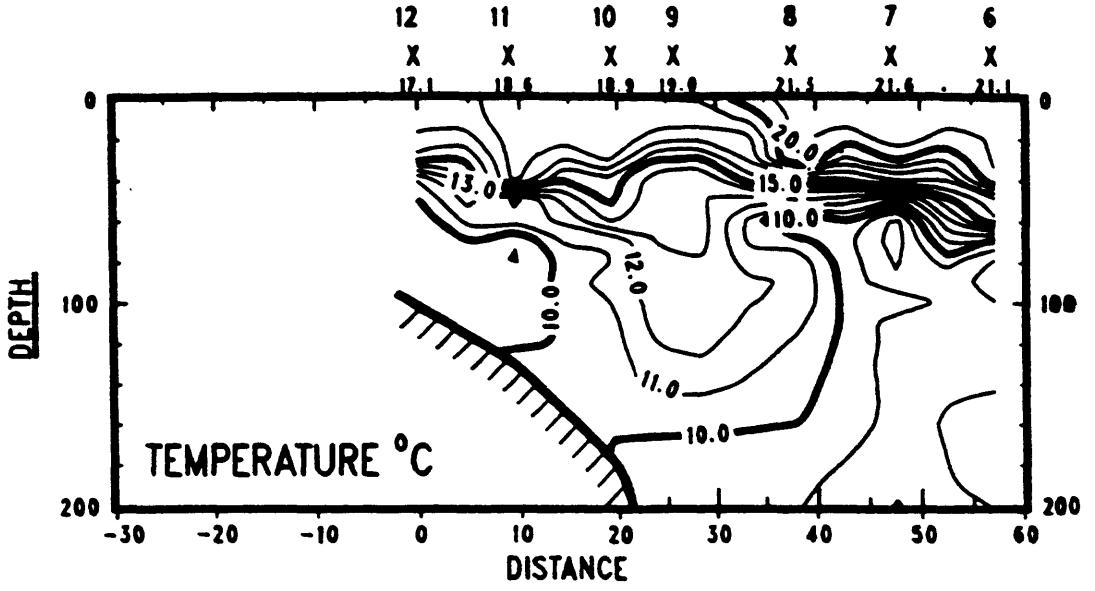

21 C 93.7
23 C 94.4
25 C 95.6
26 C 95.8
27 C 95.3
28 C 95.8
30 C 95.5
94.5
95.5
96.0
96.5
97.5
95.5
96.5
97.5
TRANSMISSION %
DEPTH
0
100
200
-20 -10 0 10 20 30 40 50 60 70 80
DISTANCE
96.0
96.0
98.0
98.0
400
600
800
1000
TRANSMISSION %
OC140-2
OCT. 1983
DISTANCE (kilometers)

Figure 3e


12 11 10 9 8 7 6
X X X X X X X
17.1 18.6 18.9 19.0 21.3 21.6 21.1
0
100
200
DEPTH
20.0
15.0
13.0
10.0
12.0
10.0
11.0
10.0
TEMPERATURE °C
-30 -20 -10 0 10 20 30 40 50 60
DISTANCE

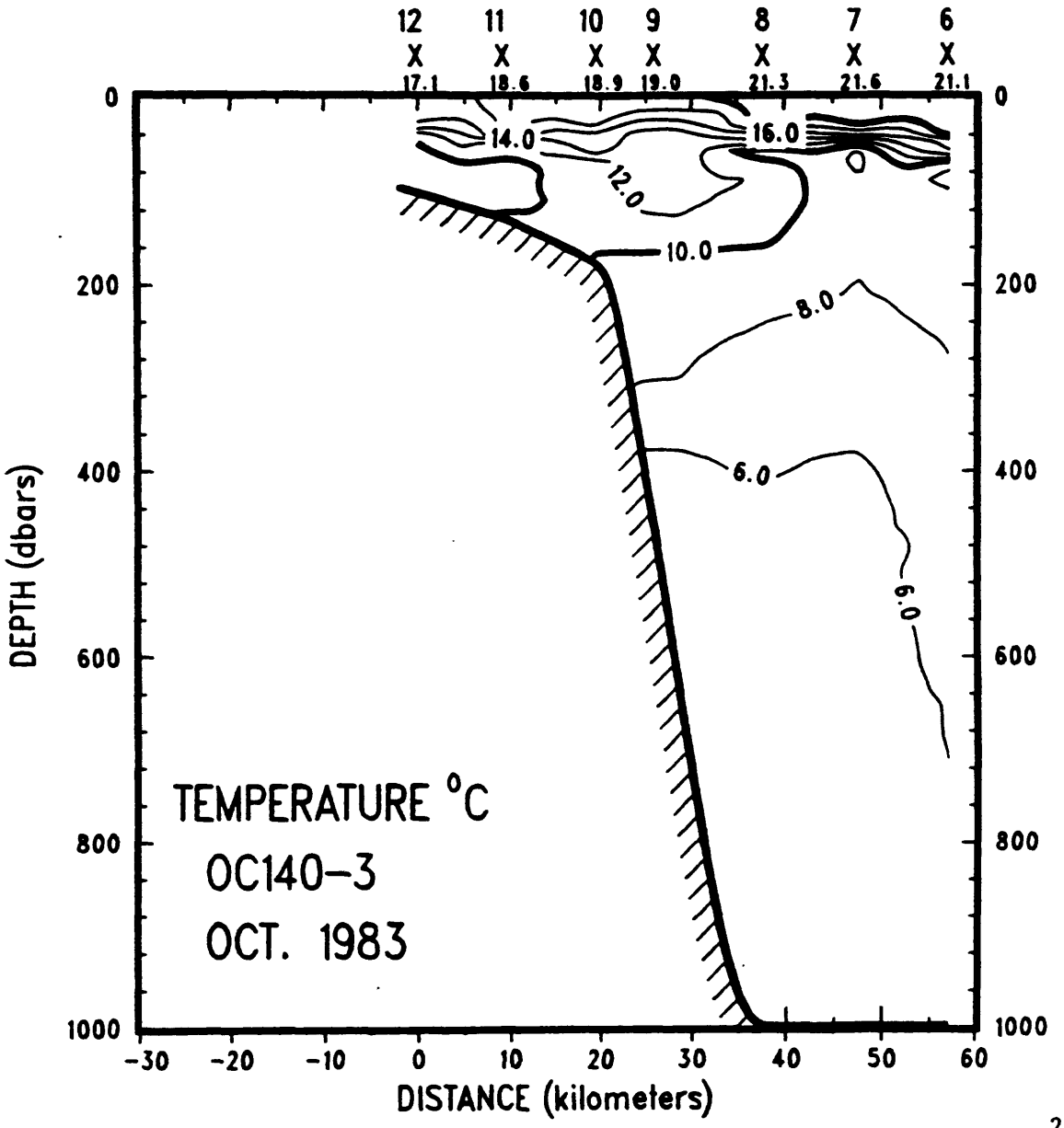
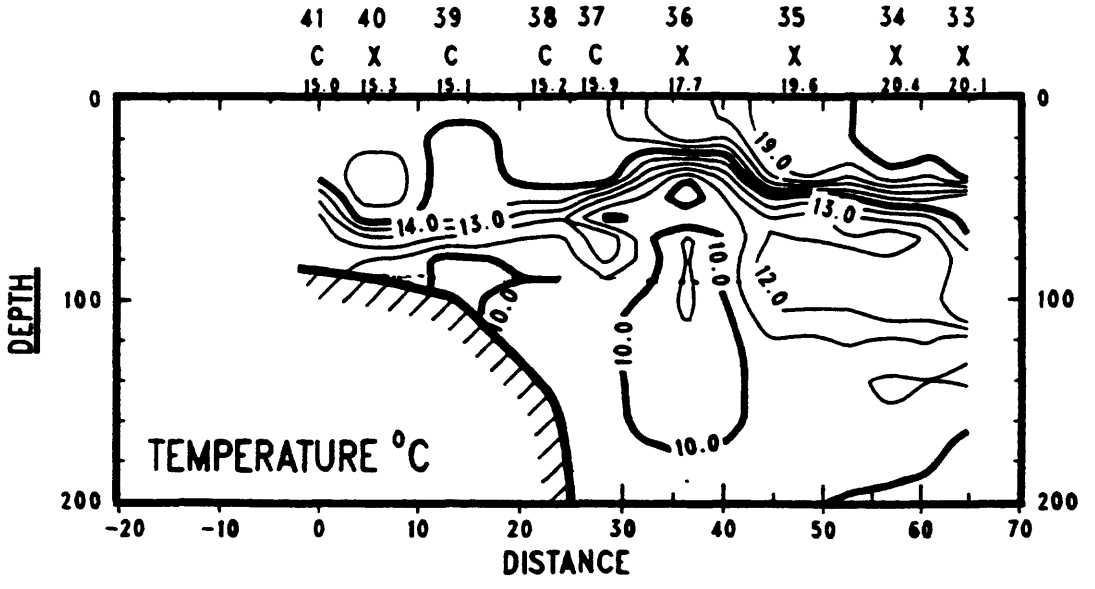

12 11 10 9 8 7 6
X X X X X X X
17.1 18.6 18.9 19.0 21.3 21.6 21.1
0
200
400
600
800
1000
DEPTH (dbars)
14.0
16.0
12.0
10.0
8.0
6.0
6.0
TEMPERATURE °C
OC140-3
OCT. 1983
-30 -20 -10 0 10 20 30 40 50 60
DISTANCE (kilometers)

Figure 4


41 40 39 38 37 36 35 34 33
C X C C C X X X X
15.0 15.3 15.1 15.2 15.9 17.7 19.6 20.4 20.1
DEPTH
TEMPERATURE °C
DISTANCE

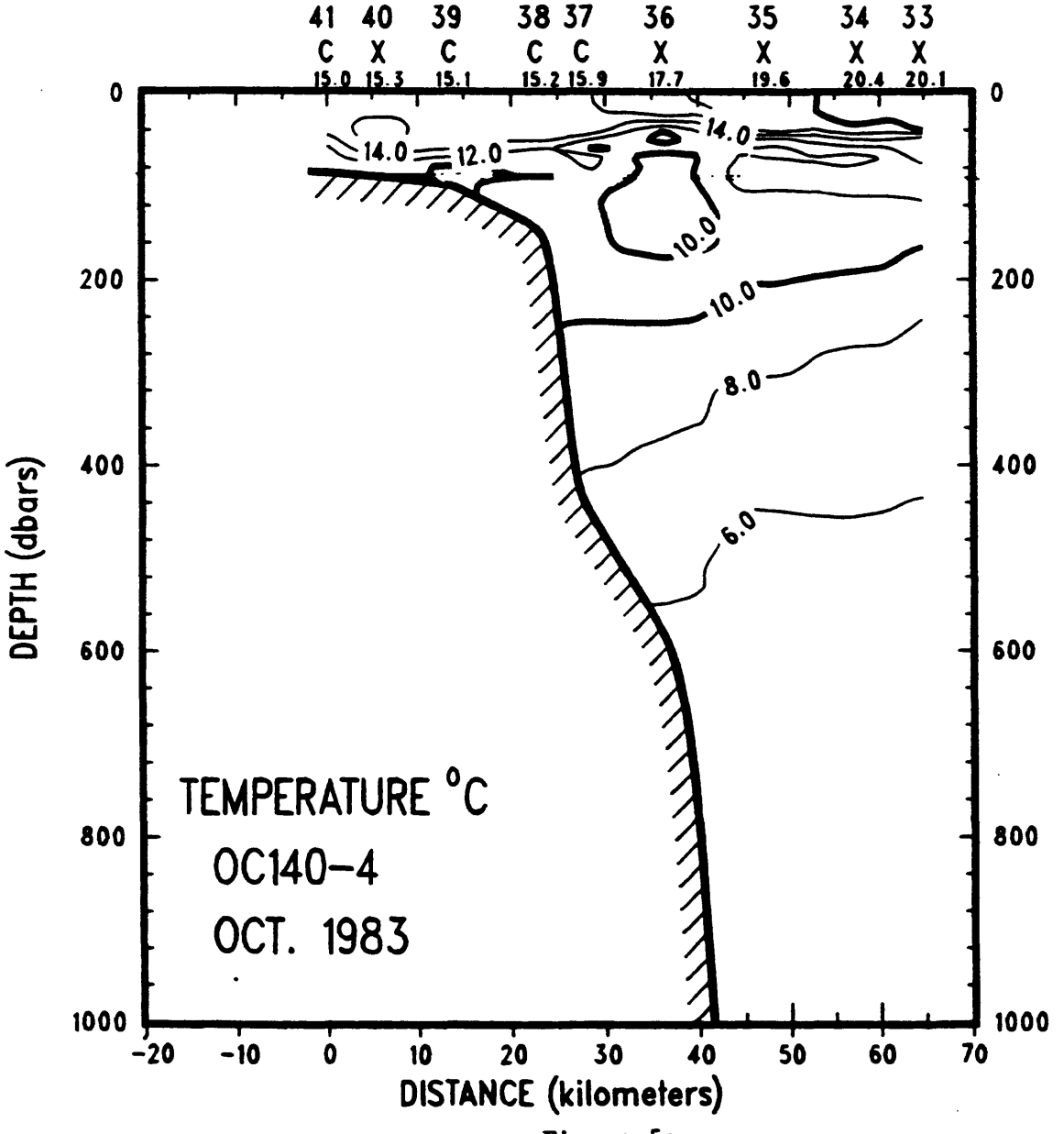
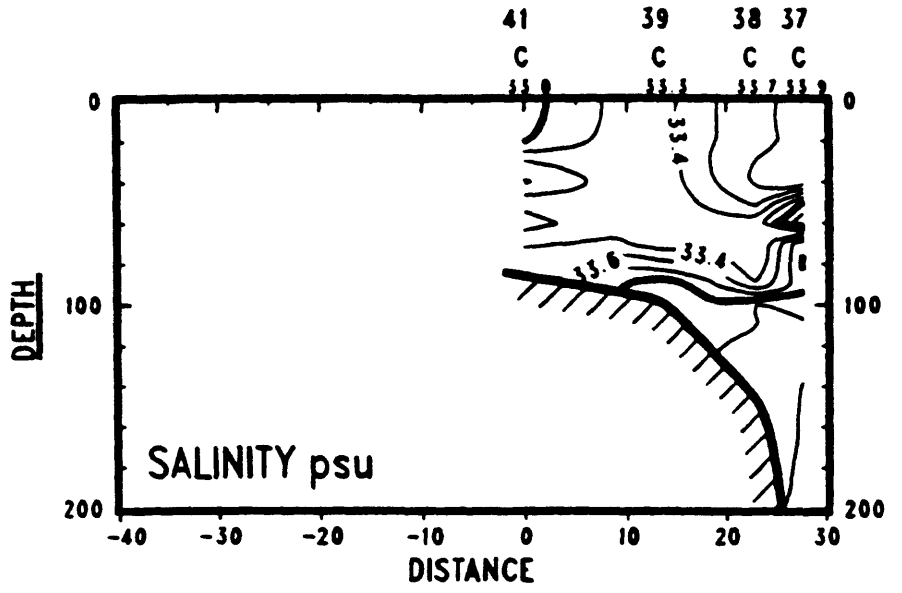
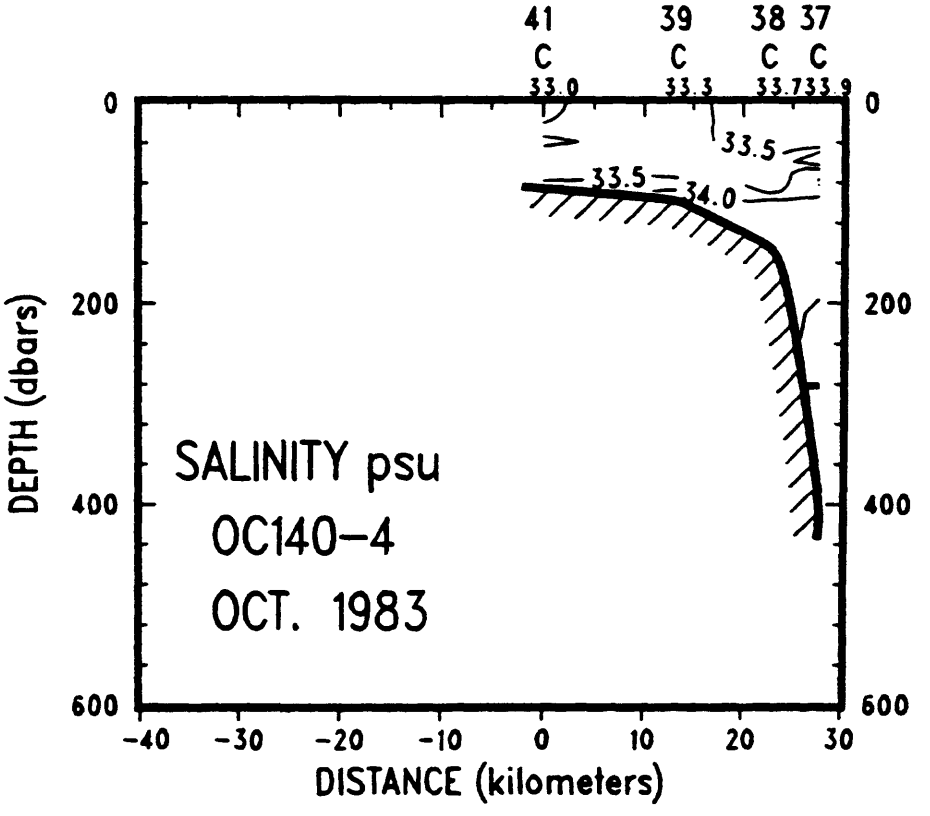
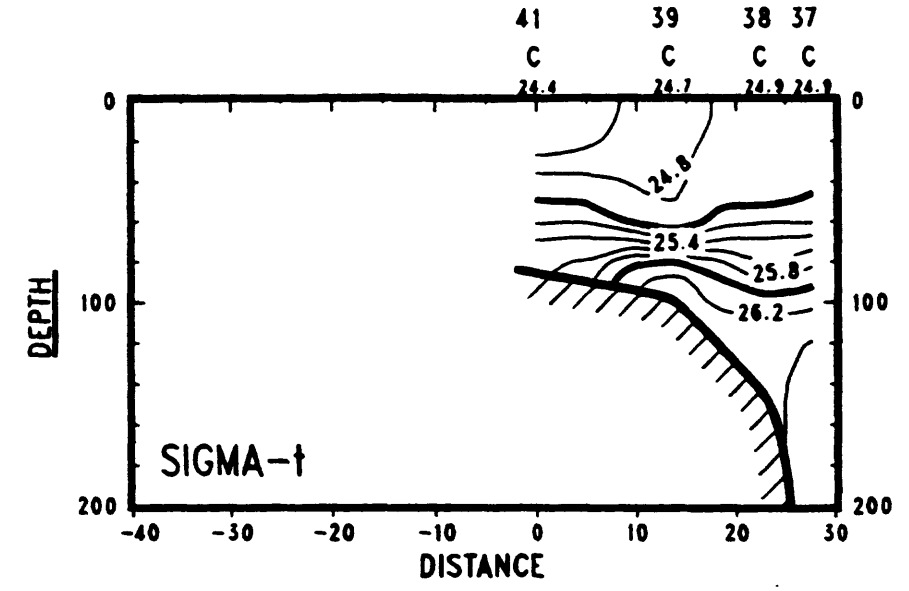

41 40 39 38 37 36 35 34 33
C X C C C X X X X
15.0 15.3 15.1 15.2 15.9 17.7 19.6 20.4 20.1
DEPTH (dbars)
TEMPERATURE °C
OC140-4
OCT. 1983
DISTANCE (kilometers)

Figure 5a


41
C
39
C
38
C
37
C
0
100
200
DEPTH
33.4
33.6
33.4
SALINITY psu
-40
-30
-20
-10
0
10
20
30
DISTANCE


41
C
39
C
38
C
37
C
33.0
33.3
33.7
33.9
0
200
400
600
DEPTH (dbars)
33.5
33.5
34.0
SALINITY psu
OC140-4
OCT. 1983
-40
-30
-20
-10
0
10
20
30
DISTANCE (kilometers)


41 C 24.4
39 C 24.7
38 C 24.9
37 C 24.9
DEPTH
SIGMA-t
24.8
25.4
25.8
26.2
DISTANCE

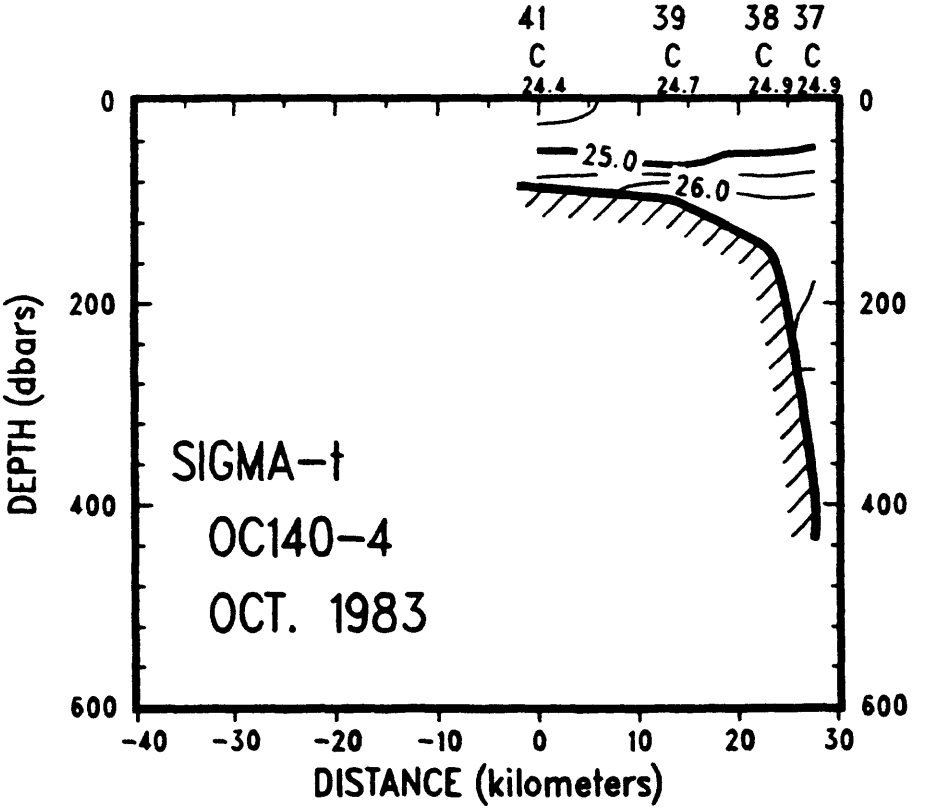
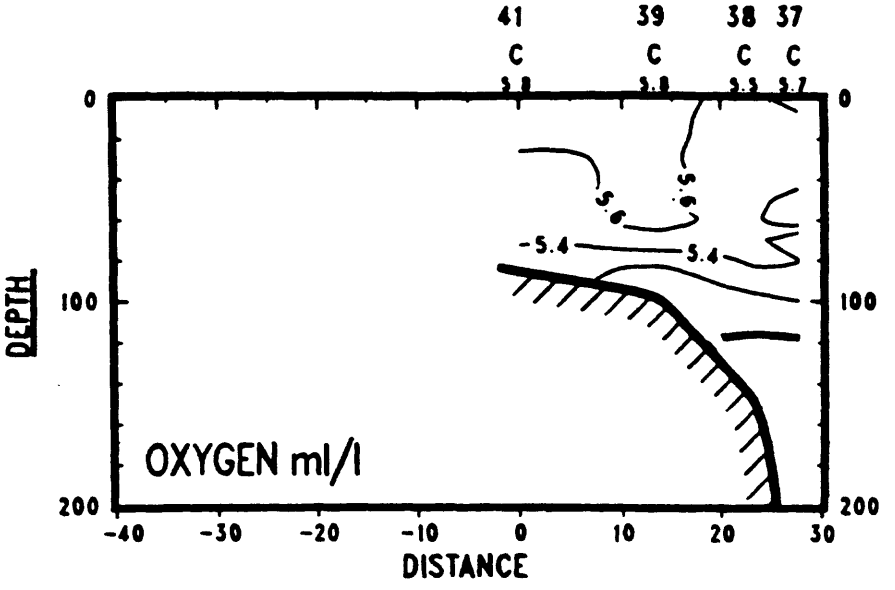
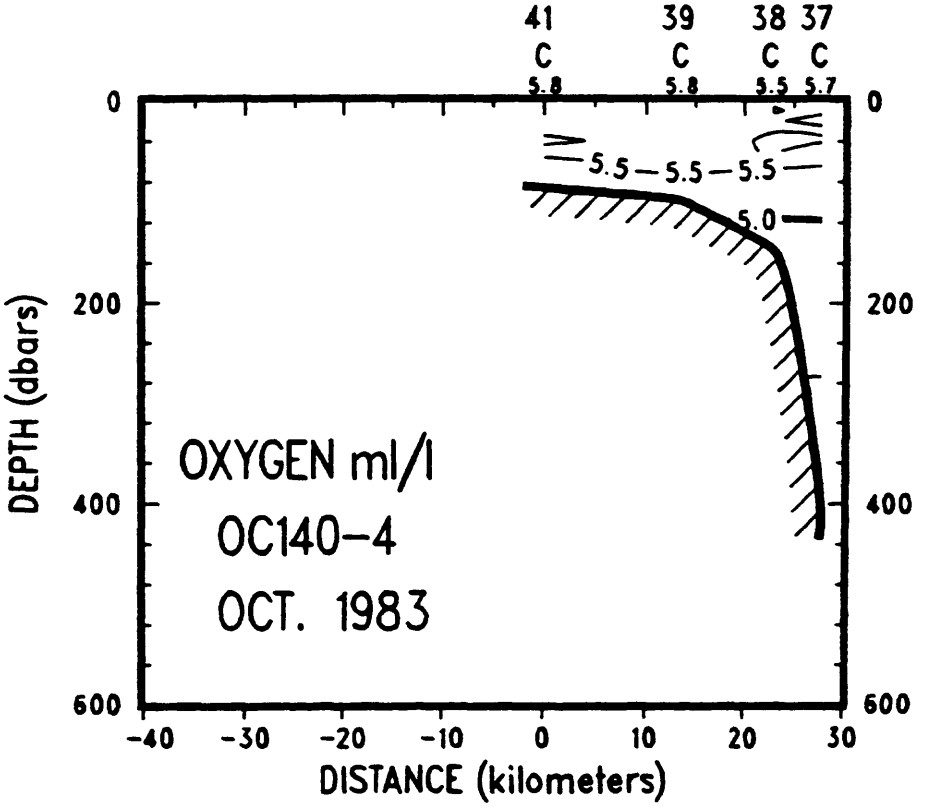
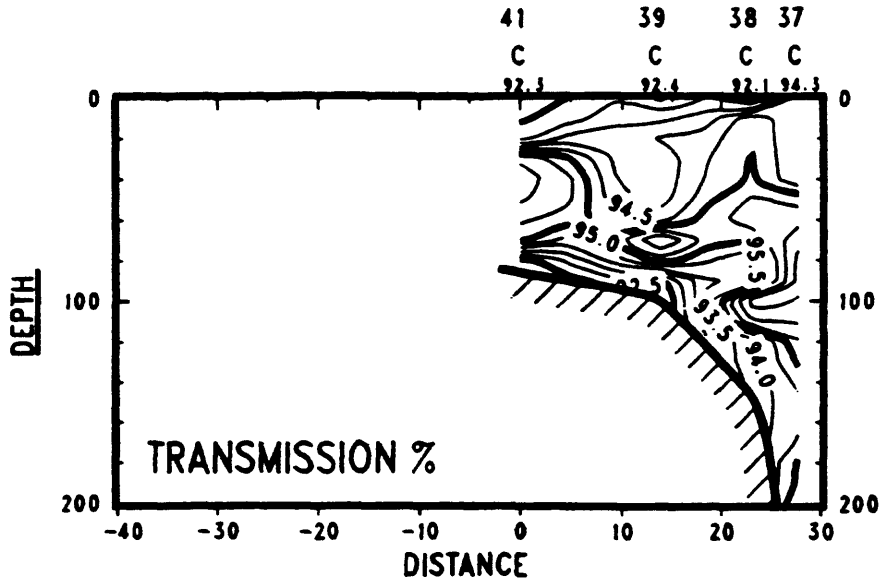

41 C 24.4
39 C 24.7
38 C 24.9
37 C 24.9
DEPTH (dbars)
SIGMA-t
OC140-4
OCT. 1983
25.0
26.0
DISTANCE (kilometers)

Figure 5c


41 C
39 C
38 C
37 C
5.8
5.8
5.5
5.7
0
100
200
DEPTH
5.6
5.5
5.4
5.4
OXYGEN ml/l
-40
-30
-20
-10
0
10
20
30
DISTANCE


41 C
39 C
38 C
37 C
5.8
5.8
5.5
5.7
0
200
400
600
DEPTH (dbars)
5.5
5.5
5.5
5.0
OXYGEN ml/l
OC140-4
OCT. 1983
-40
-30
-20
-10
0
10
20
30
DISTANCE (kilometers)


41 C 92.3
39 C 92.4
38 C 92.1
37 C 94.3
DEPTH
0
100
200
94.5
95.0
95.5
93.5
94.0
TRANSMISSION %
-40 -30 -20 -10 0 10 20 30
DISTANCE

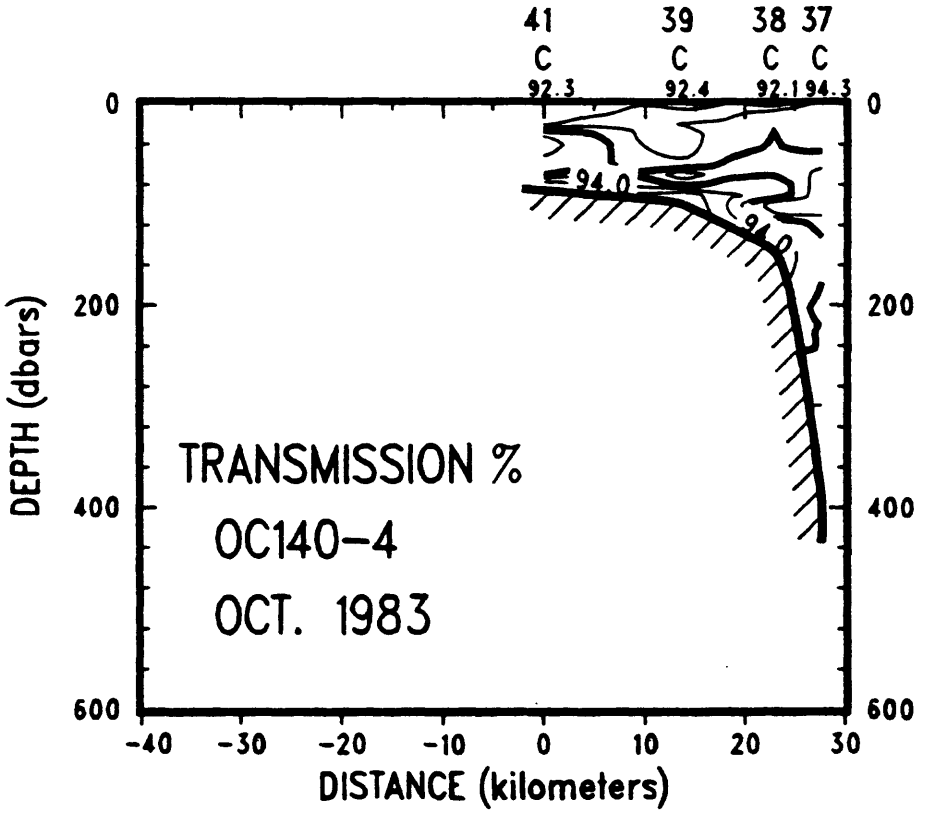
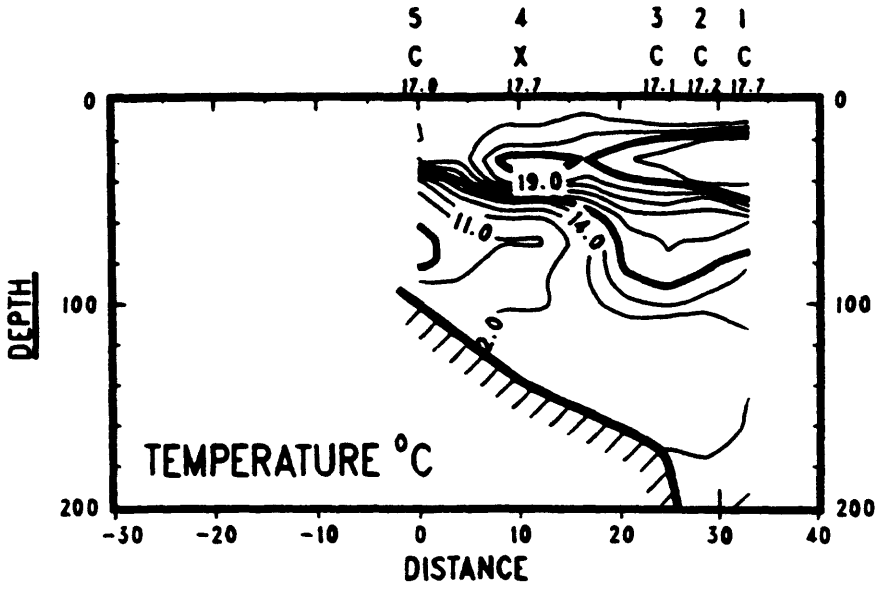
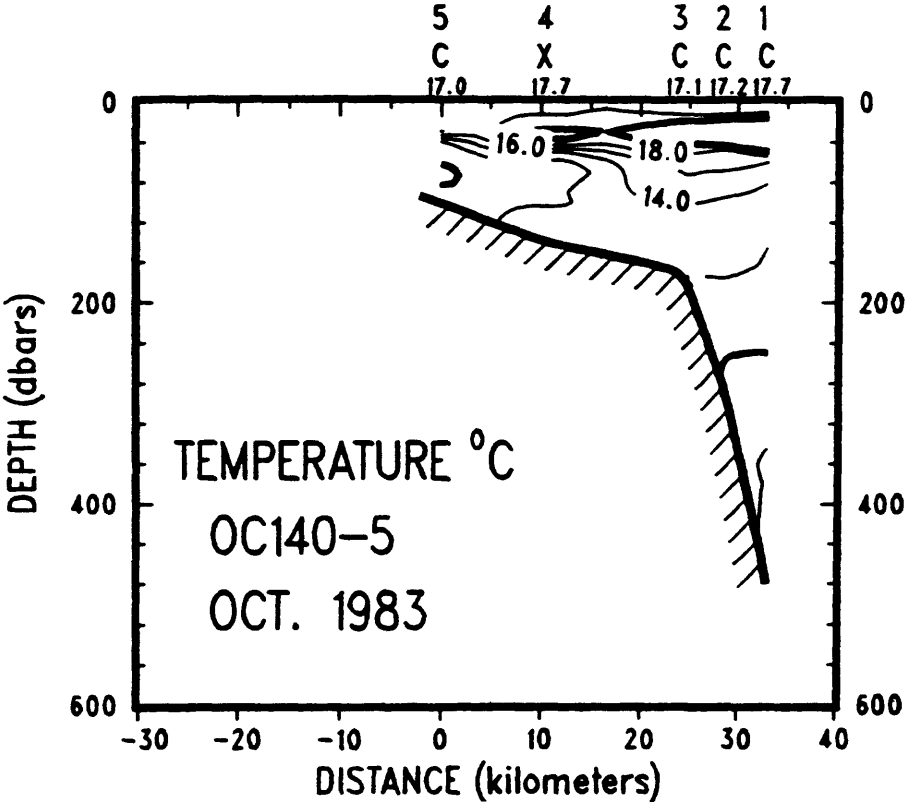
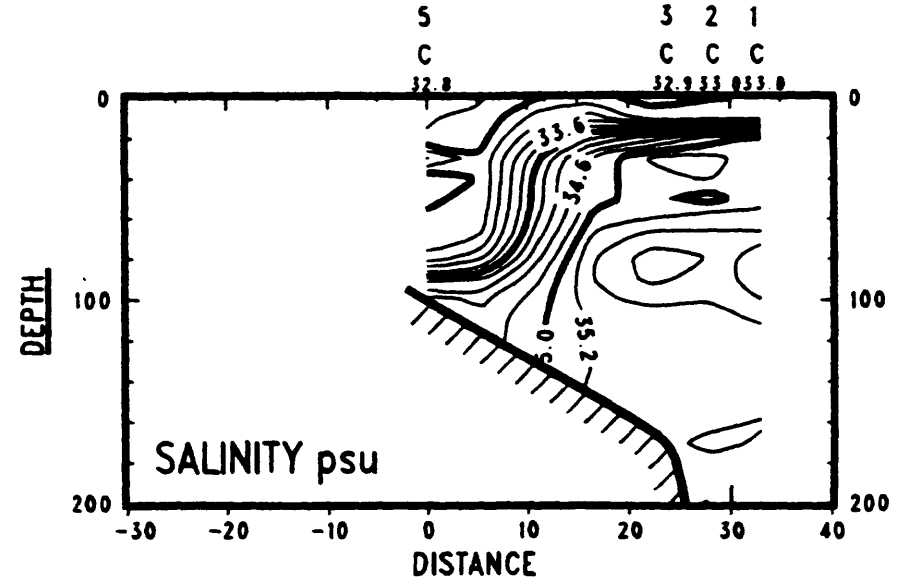

41 C 92.3
39 C 92.4
38 C 92.1
37 C 94.3
0
200
400
600
94.0
94.0
TRANSMISSION %
OC140-4
OCT. 1983
DEPTH (dbars)
-40 -30 -20 -10 0 10 20 30
DISTANCE (kilometers)

Figure 5e


5 C 17.0
4 X 17.7
3 C 17.1
2 C 17.2
1 C 17.7
19.0
11.0
14.0
TEMPERATURE °C
DEPTH
0
100
200
-30
-20
-10
0
10
20
30
40
DISTANCE


5 C 17.0
4 X 17.7
3 C 17.1
2 C 17.2
1 C 17.7
16.0
18.0
14.0
TEMPERATURE °C
OC140-5
OCT. 1983
DEPTH (dbars)
0
200
400
600
-30
-20
-10
0
10
20
30
40
DISTANCE (kilometers)


5
C
32.8
3
C
2
C
1
C
32.9
33.0
33.0
0
100
200
DEPTH
33.6
34.6
35.2
SALINITY psu
-30
-20
-10
0
10
20
30
40
DISTANCE

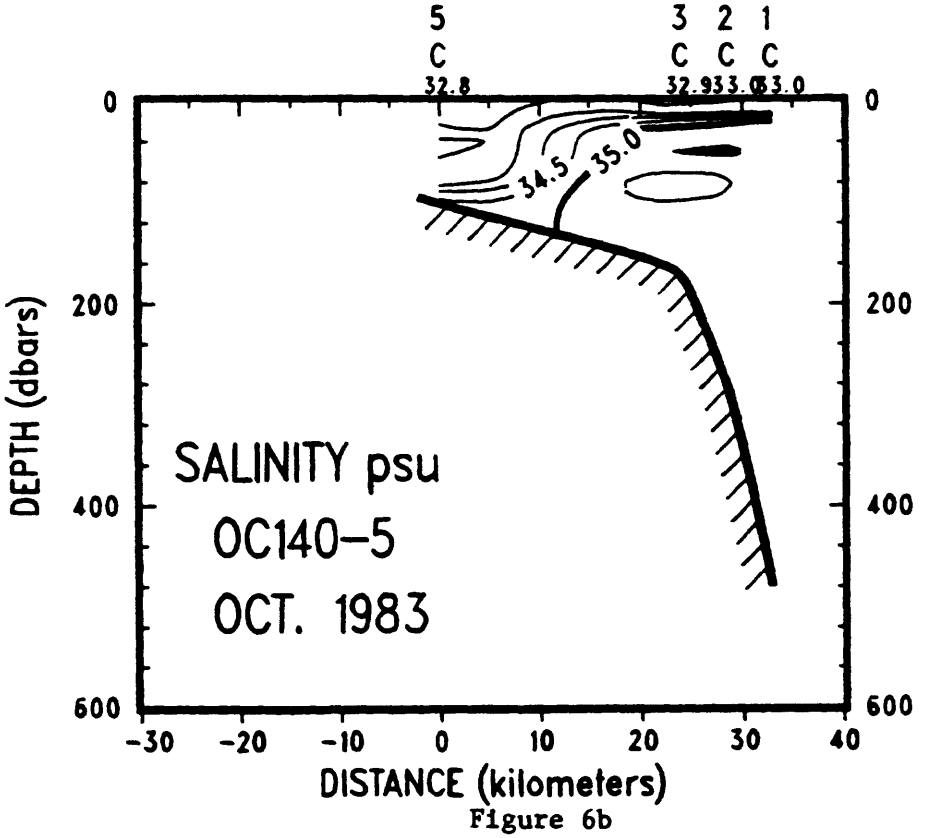
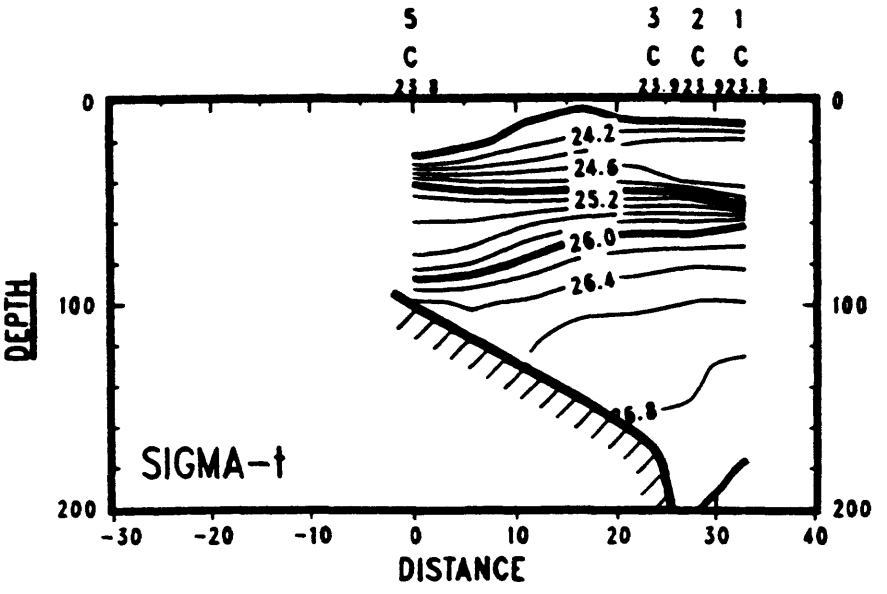
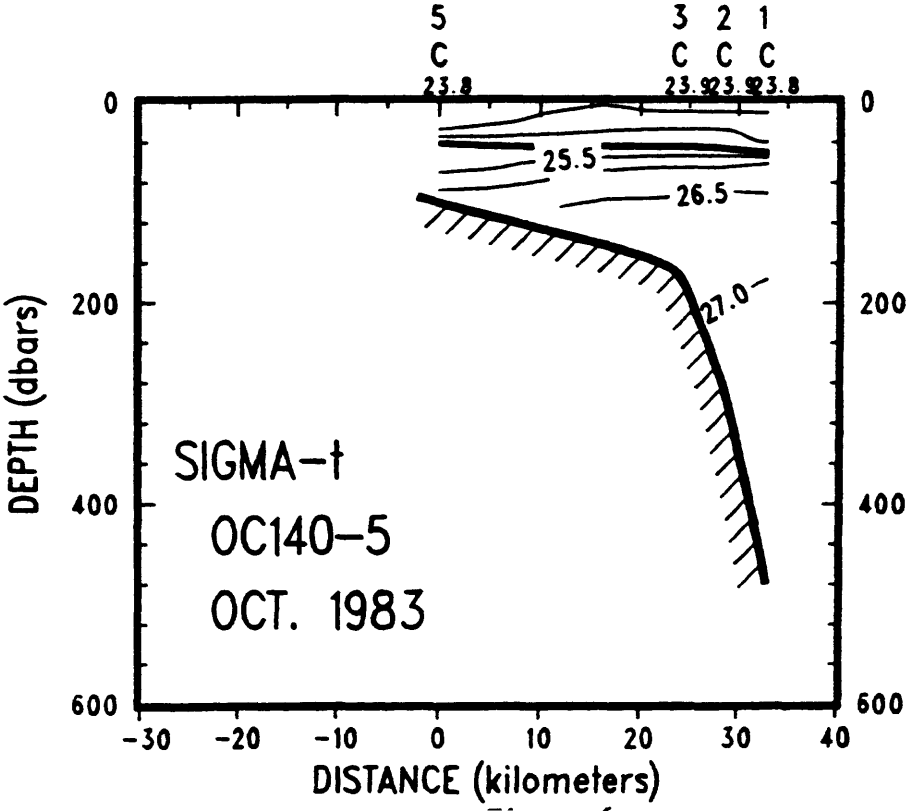
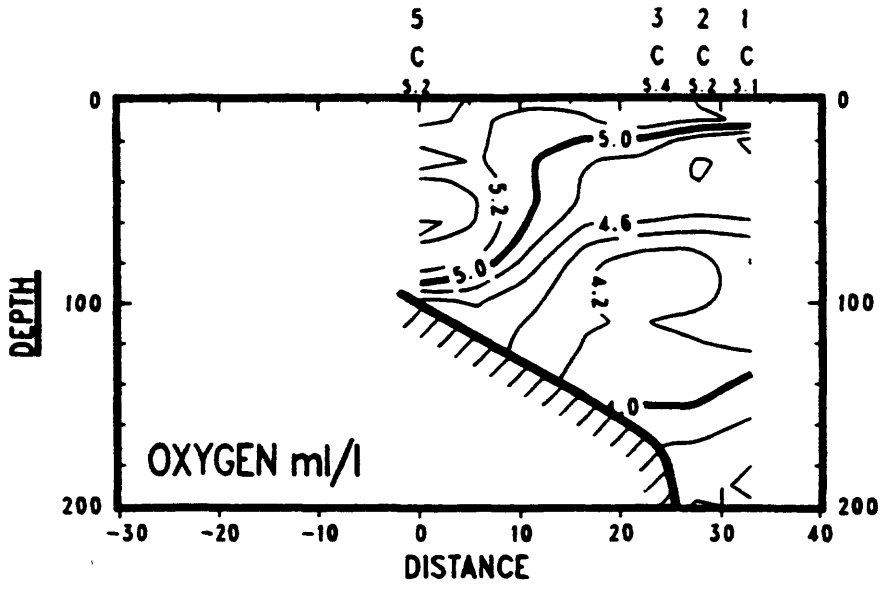

5
C
32.8
3
C
2
C
1
C
32.9
33.0
33.0
0
200
400
600
DEPTH (dbars)
34.5
35.0
SALINITY psu
OC140-5
OCT. 1983
-30
-20
-10
0
10
20
30
40
DISTANCE (kilometers)

Figure 6b


5
C
3
C
2
C
1
C
23.8
23.9
23.9
23.8
0
100
200
DEPTH
24.2
24.6
25.2
26.0
26.4
26.8
SIGMA-t
-30
-20
-10
0
10
20
30
40
DISTANCE


5
C
3
C
2
C
1
C
23.8
23.9
23.9
23.8
0
200
400
600
DEPTH (dbars)
25.5
26.5
27.0
SIGMA-t
OC140-5
OCT. 1983
-30
-20
-10
0
10
20
30
40
DISTANCE (kilometers)


5
C
5.2
3
C
5.4
2
C
5.2
1
C
5.1
0
100
200
DEPTH
5.0
5.2
4.6
5.0
4.2
4.0
OXYGEN ml/l
-30
-20
-10
0
10
20
30
40
DISTANCE

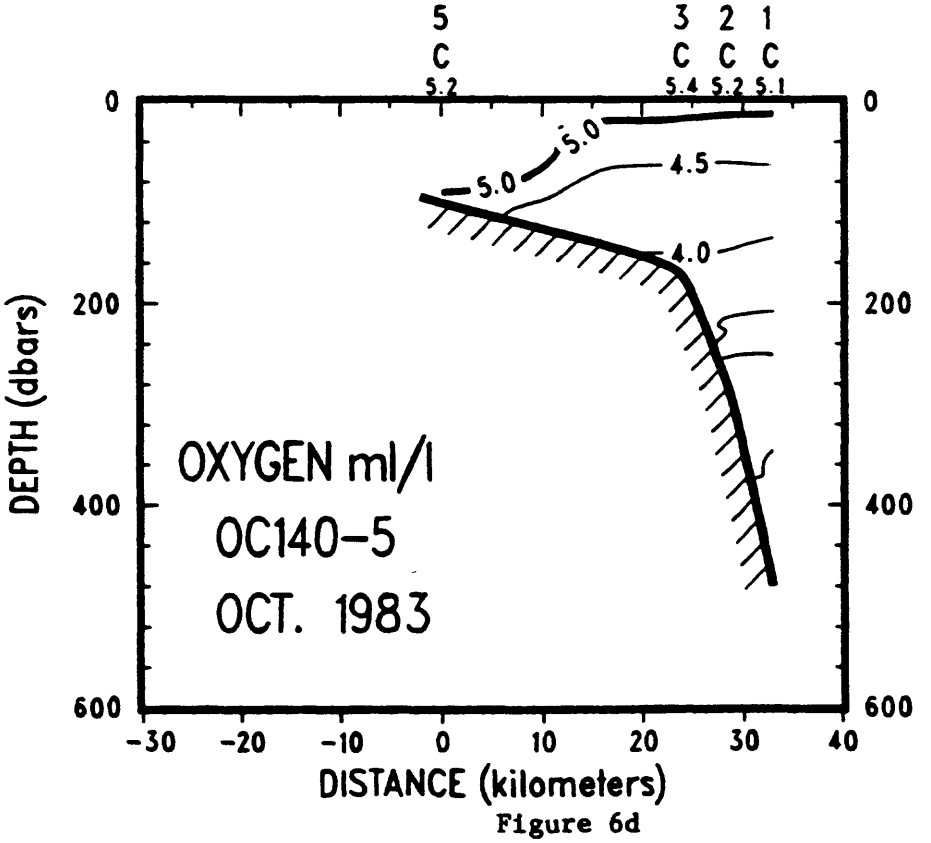
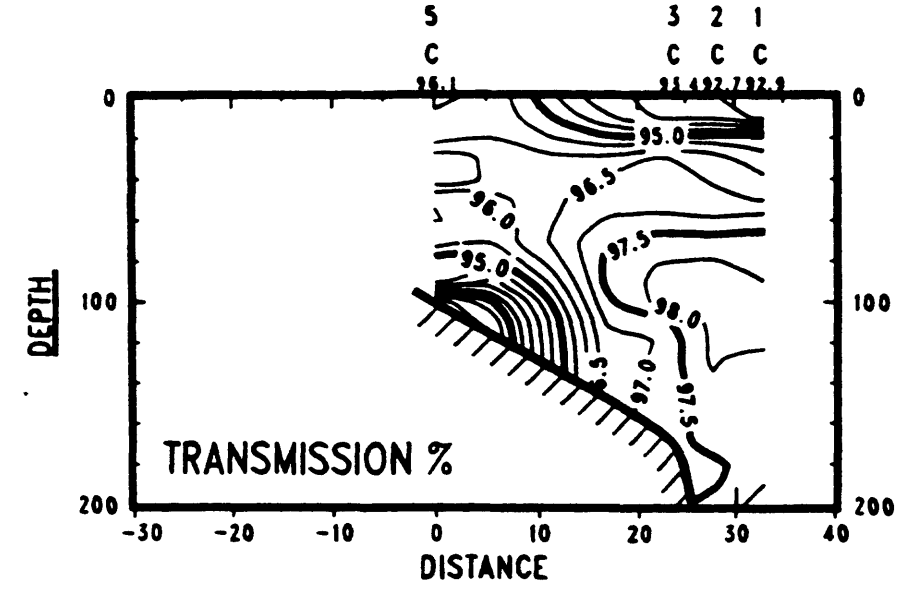

5
C
5.2
3
C
5.4
2
C
5.2
1
C
5.1
0
200
400
600
DEPTH (dbars)
5.0
5.0
4.5
4.0
OXYGEN ml/l
OC140-5
OCT. 1983
-30
-20
-10
0
10
20
30
40
DISTANCE (kilometers)

Figure 6d


5
C
96.1
3
C
2
C
1
C
93.4
92.7
92.9
0
100
200
DEPTH
95.0
96.5
96.0
97.5
95.0
98.0
97.0
97.5
TRANSMISSION %
-30
-20
-10
0
10
20
30
40
DISTANCE

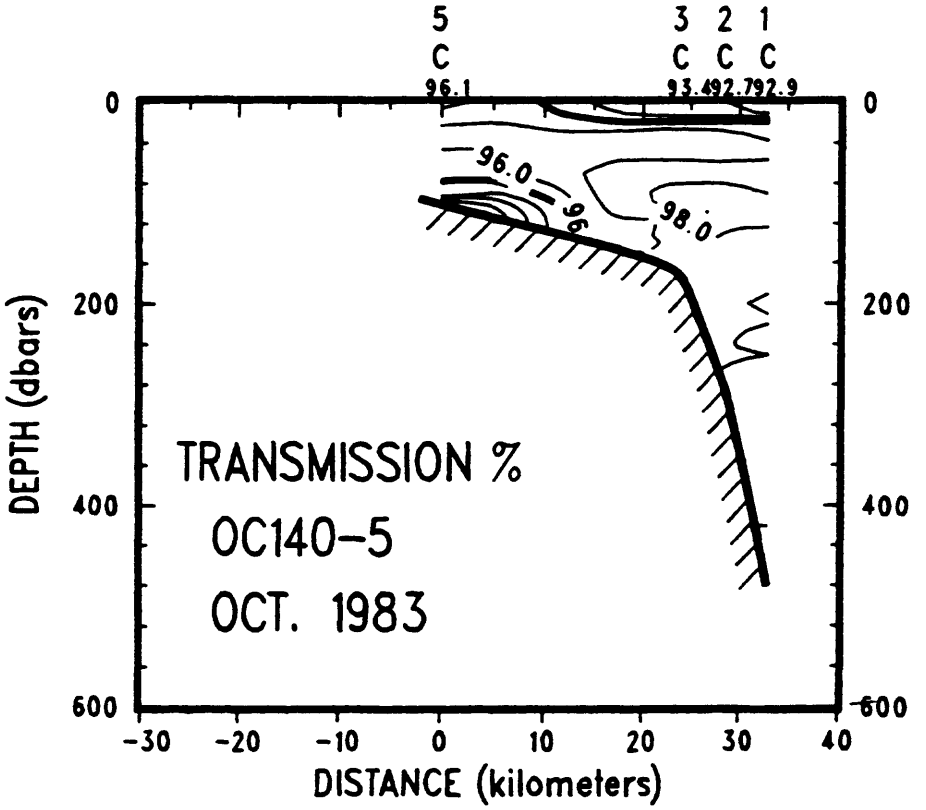
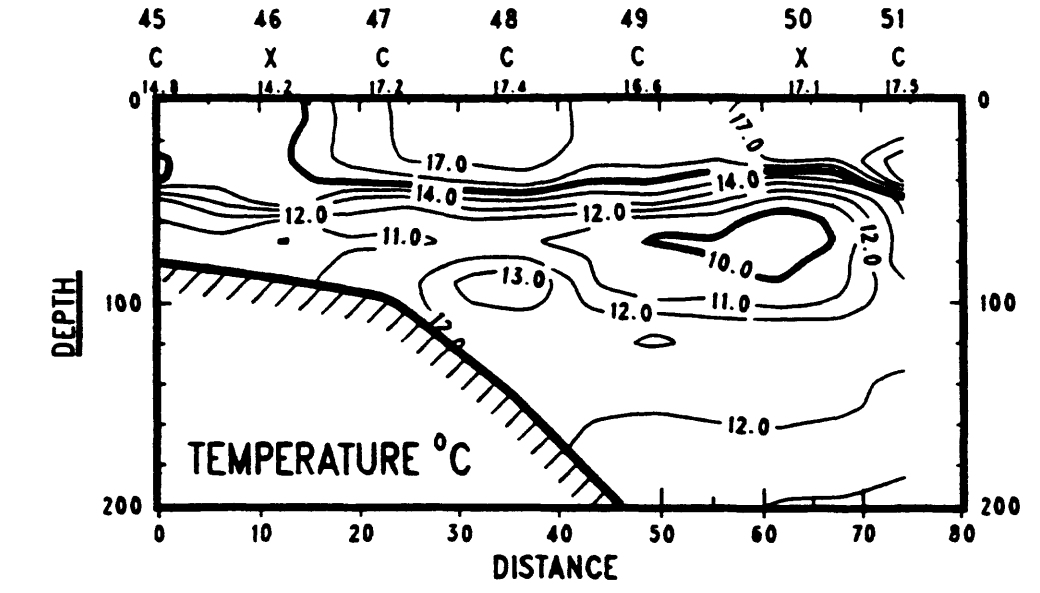

5
C
96.1
3
C
2
C
1
C
93.4
92.7
92.9
0
200
400
600
DEPTH (dbars)
96.0
96
98.0
TRANSMISSION %
OC140-5
OCT. 1983
-30
-20
-10
0
10
20
30
40
DISTANCE (kilometers)

Figure 6e


45 46 47 48 49 50 51
C X C C C X C
14.8 14.2 17.2 17.4 16.6 17.1 17.5
17.0
14.0
12.0
11.0
10.0
13.0
DEPTH
TEMPERATURE °C
DISTANCE
0 10 20 30 40 50 60 70 80
0 100 200

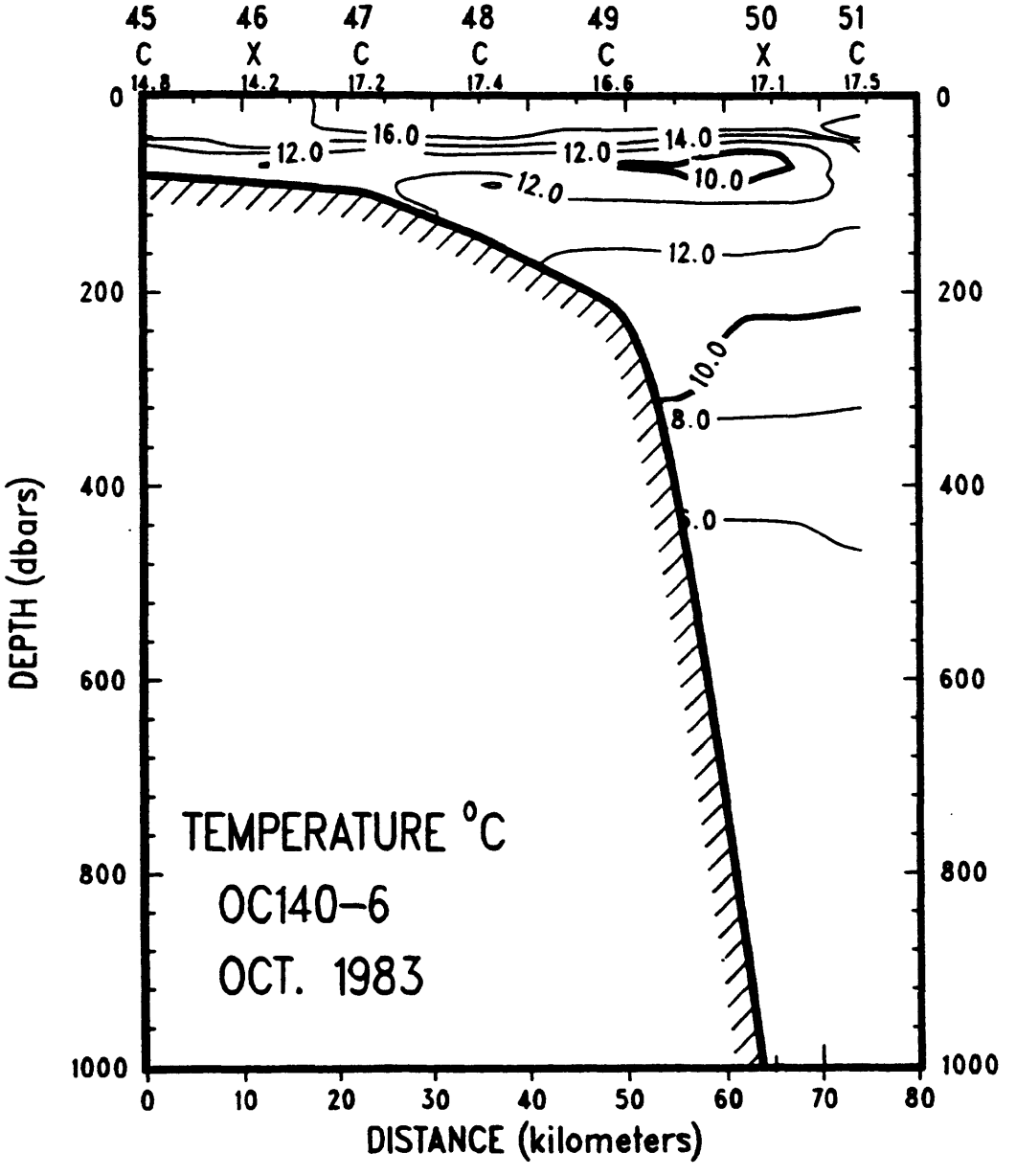

45 46 47 48 49 50 51
C X C C C X C
14.8 14.2 17.2 17.4 16.6 17.1 17.5
16.0
14.0
12.0
10.0
8.0
DEPTH (dbars)
TEMPERATURE °C
OC140-6
OCT. 1983
DISTANCE (kilometers)
0 10 20 30 40 50 60 70 80
0 200 400 600 800 1000

Figure 7a

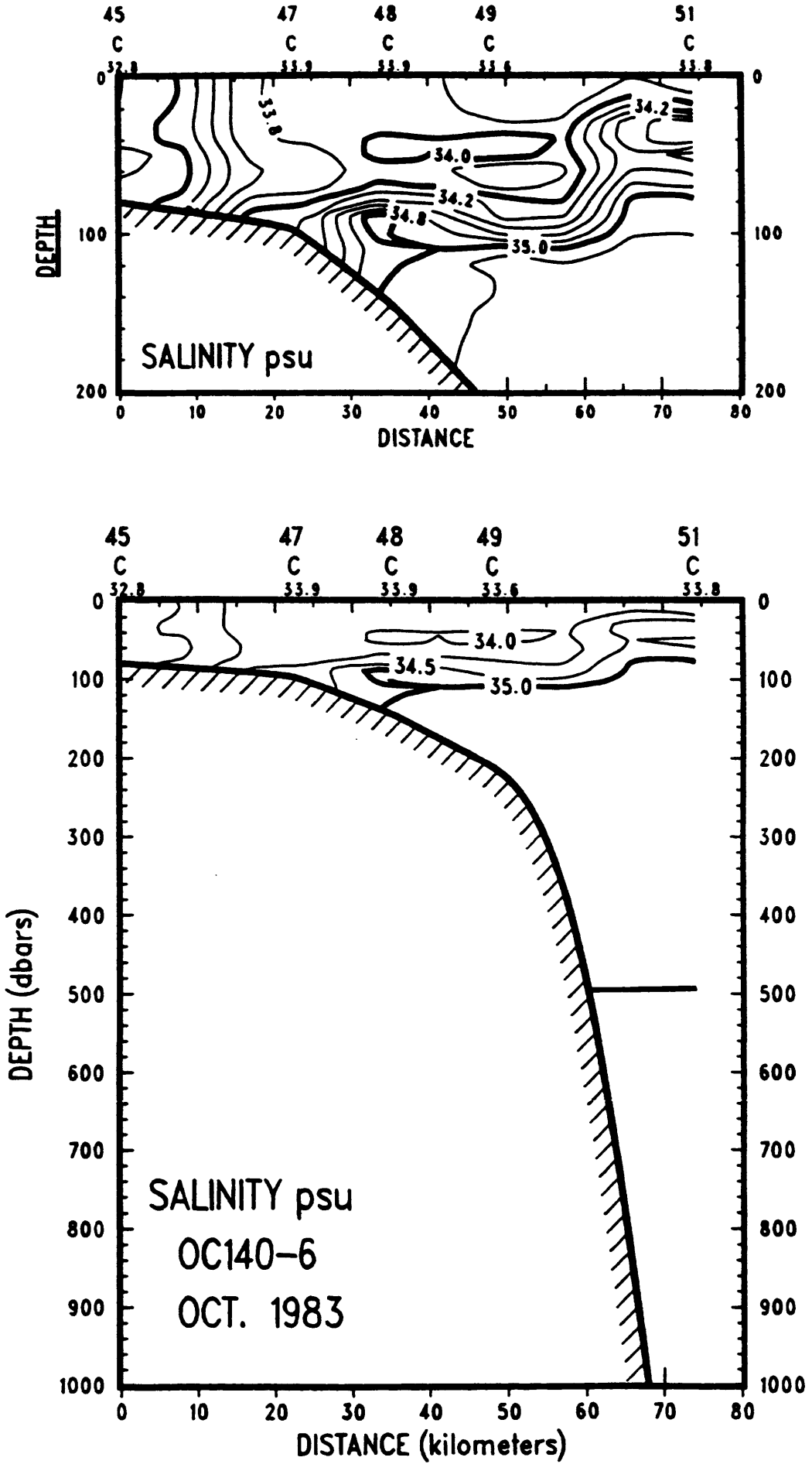
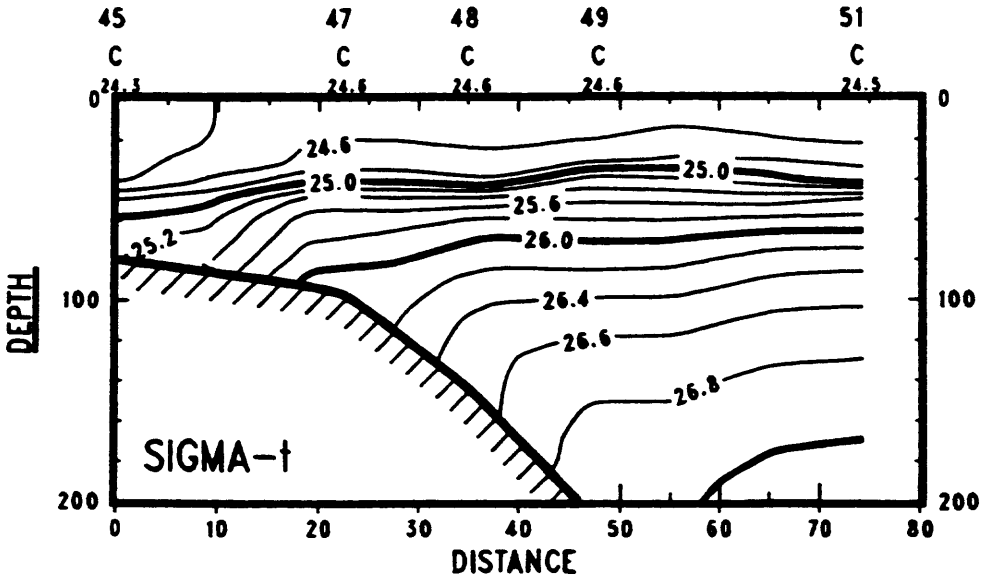

45
C
47
C
48
C
49
C
51
C
32.8
33.9
33.9
33.6
33.8
0
100
200
300
400
500
600
700
800
900
1000
34.0
34.5
35.0
SALINITY psu
OC140-6
OCT. 1983
DEPTH (dbars)
0
10
20
30
40
50
60
70
80
DISTANCE (kilometers)

Figure 7b


45 47 48 49 51
C C C C C
24.3 24.6 24.6 24.6 24.5
0
100
200
DEPTH
24.6
25.0
25.2
25.6
26.0
26.4
26.6
26.8
SIGMA-t
0 10 20 30 40 50 60 70 80
DISTANCE

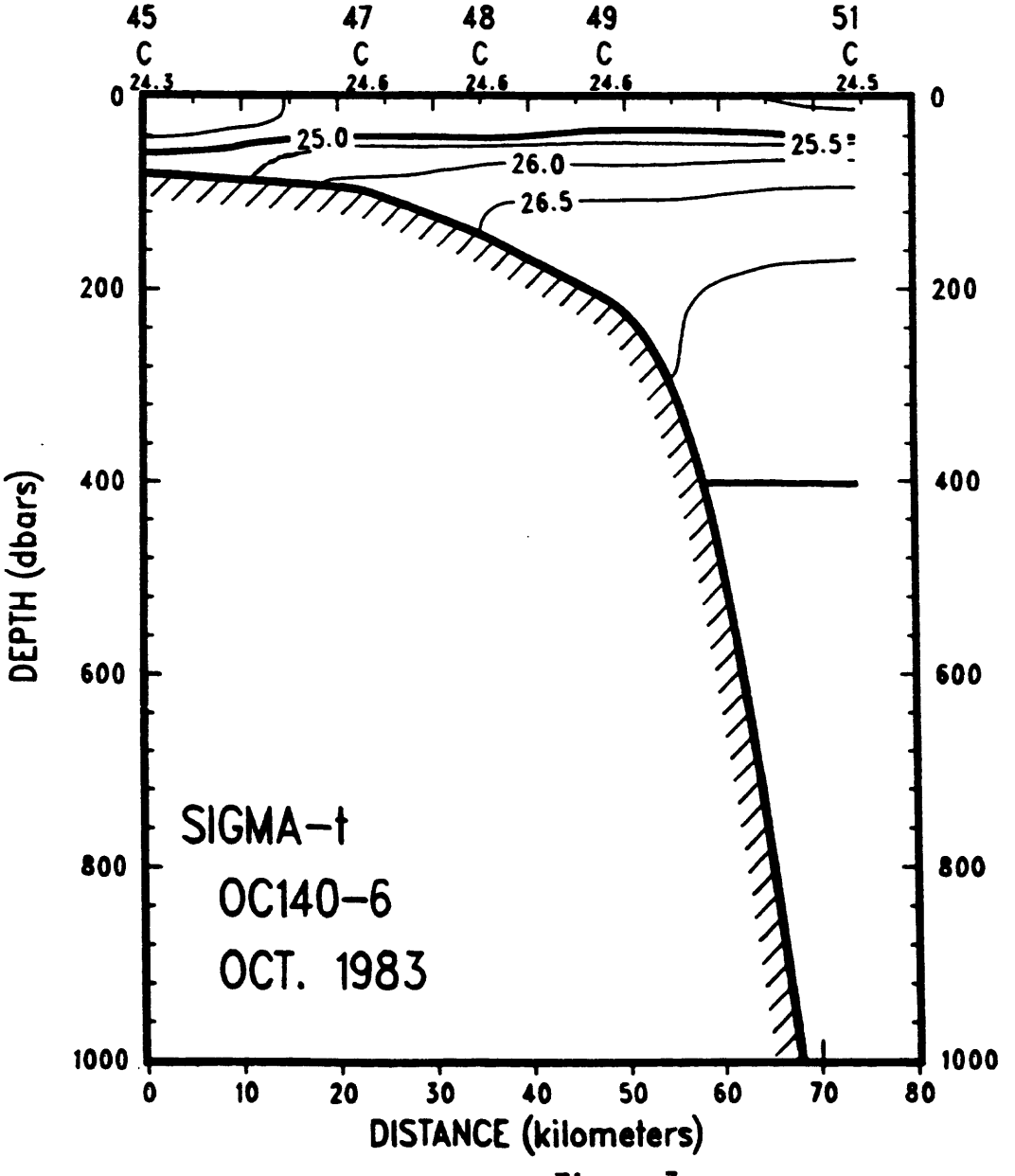
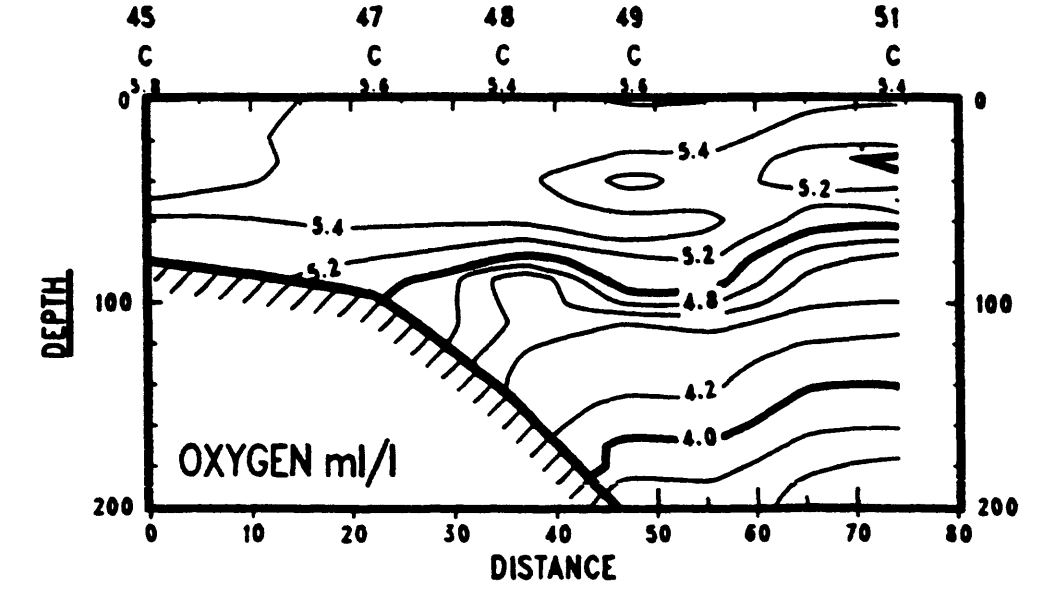

45 47 48 49 51
C C C C C
24.3 24.6 24.6 24.6 24.5
0
200
400
600
800
1000
DEPTH (dbars)
25.0
25.5
26.0
26.5
SIGMA-t
OC140-6
OCT. 1983
0 10 20 30 40 50 60 70 80
DISTANCE (kilometers)

Figure 7c


45
C
47
C
48
C
49
C
51
C
DEPTH
OXYGEN ml/l
DISTANCE

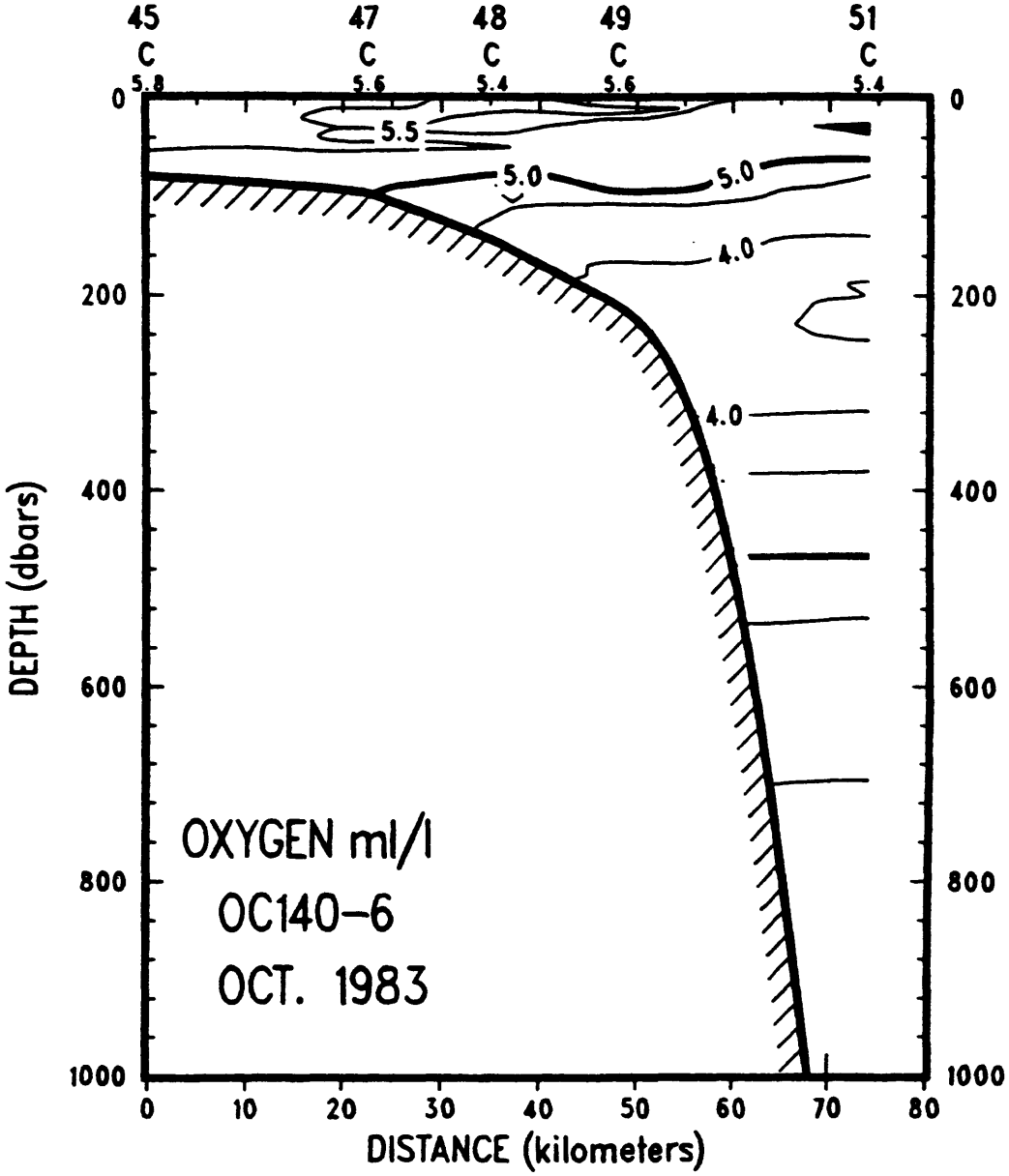
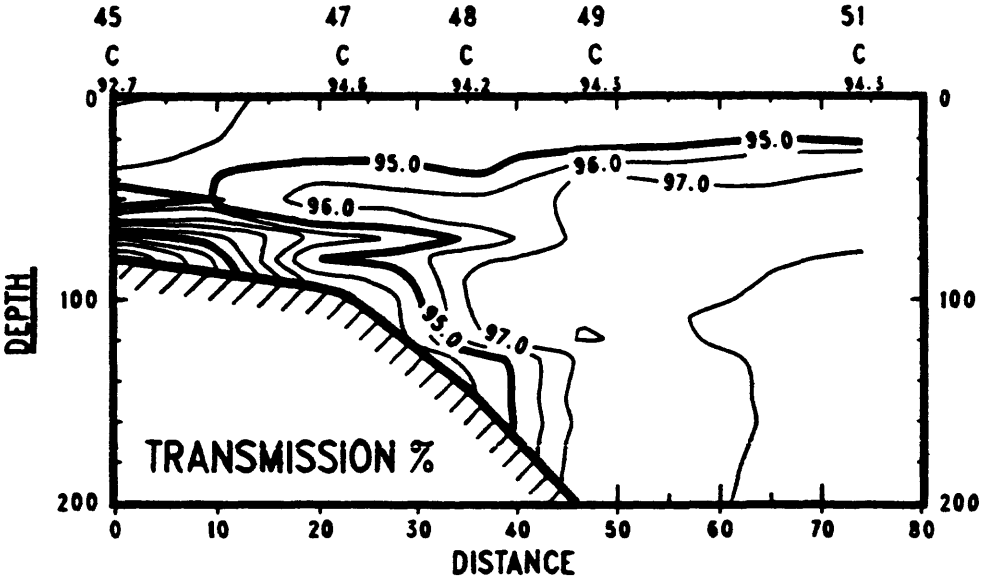

45
C
47
C
48
C
49
C
51
C
DEPTH (dbars)
OXYGEN ml/l
OC140-6
OCT. 1983
DISTANCE (kilometers)

Figure 7d


45 C 92.7
47 C 94.6
48 C 94.2
49 C 94.3
51 C 94.3
DEPTH
95.0
96.0
97.0
TRANSMISSION %
DISTANCE

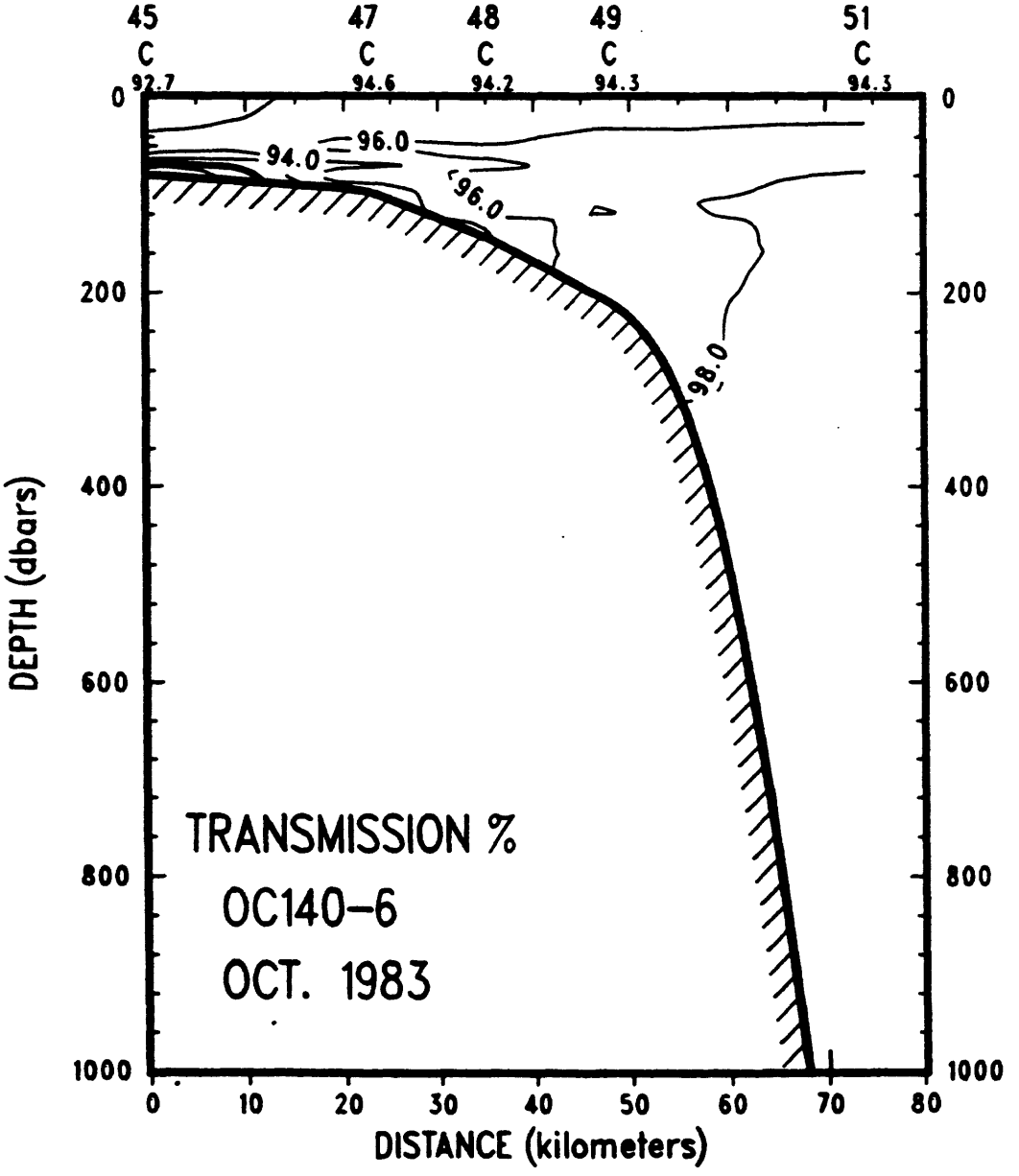
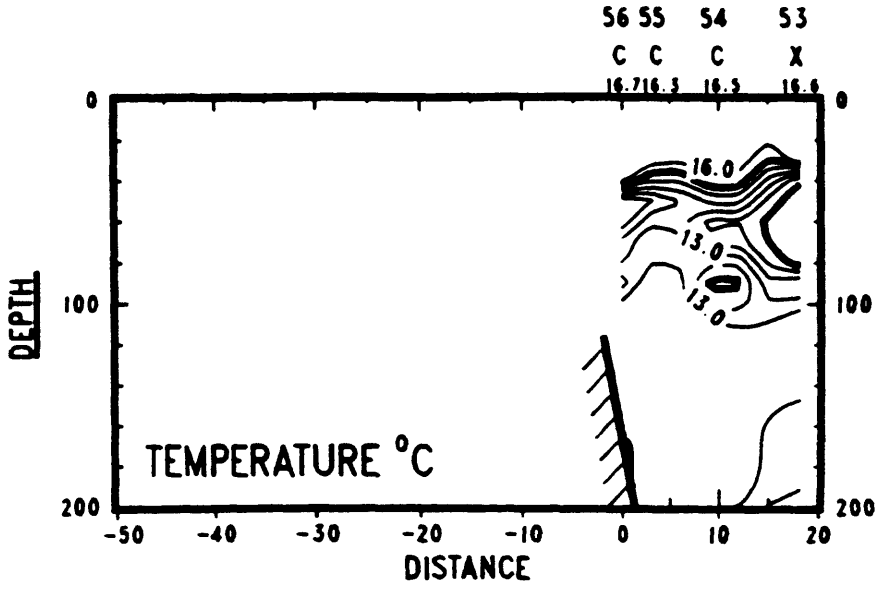
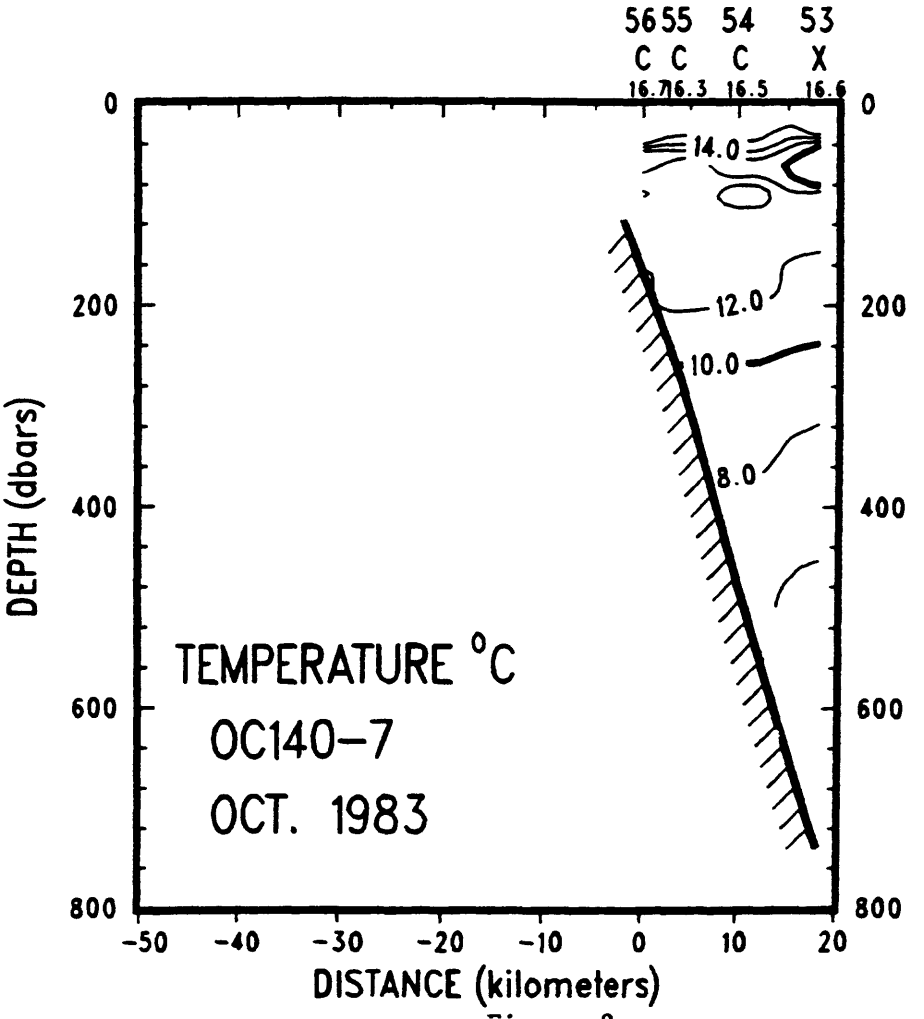
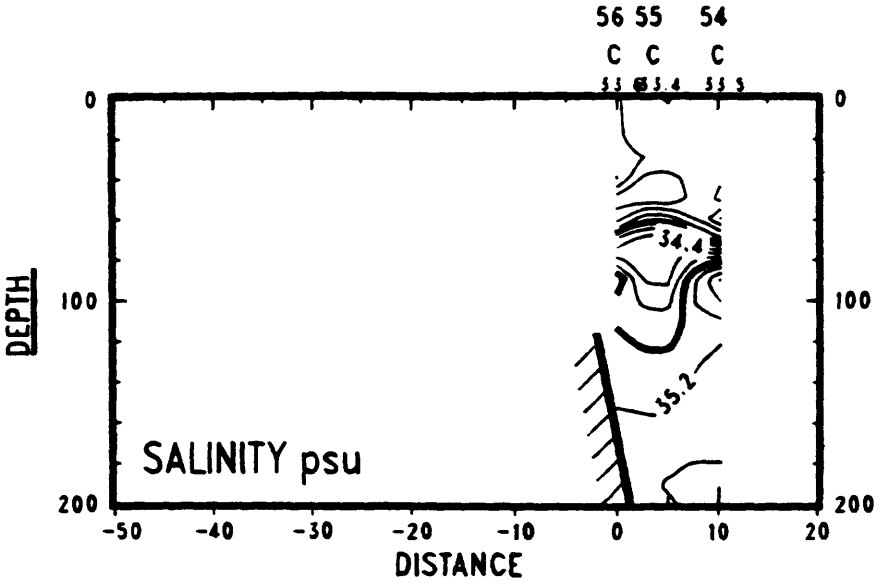

45 C 92.7
47 C 94.6
48 C 94.2
49 C 94.3
51 C 94.3
DEPTH (dbars)
94.0
96.0
98.0
TRANSMISSION %
OC140-6
OCT. 1983
DISTANCE (kilometers)

Figure 7e


56 55 54 53
C C C X
16.7 16.3 16.5 16.6
16.0
13.0
13.0
DEPTH
TEMPERATURE °C
0
100
200
-50 -40 -30 -20 -10 0 10 20
DISTANCE


56 55 54 53
C C C X
16.7 16.3 16.5 16.6
14.0
12.0
10.0
8.0
DEPTH (dbars)
TEMPERATURE °C
OC140-7
OCT. 1983
0
200
400
600
800
-50 -40 -30 -20 -10 0 10 20
DISTANCE (kilometers)


56 55 54
C C C
0
100
200
DEPTH
34.4
35.2
SALINITY psu
-50 -40 -30 -20 -10 0 10 20
DISTANCE

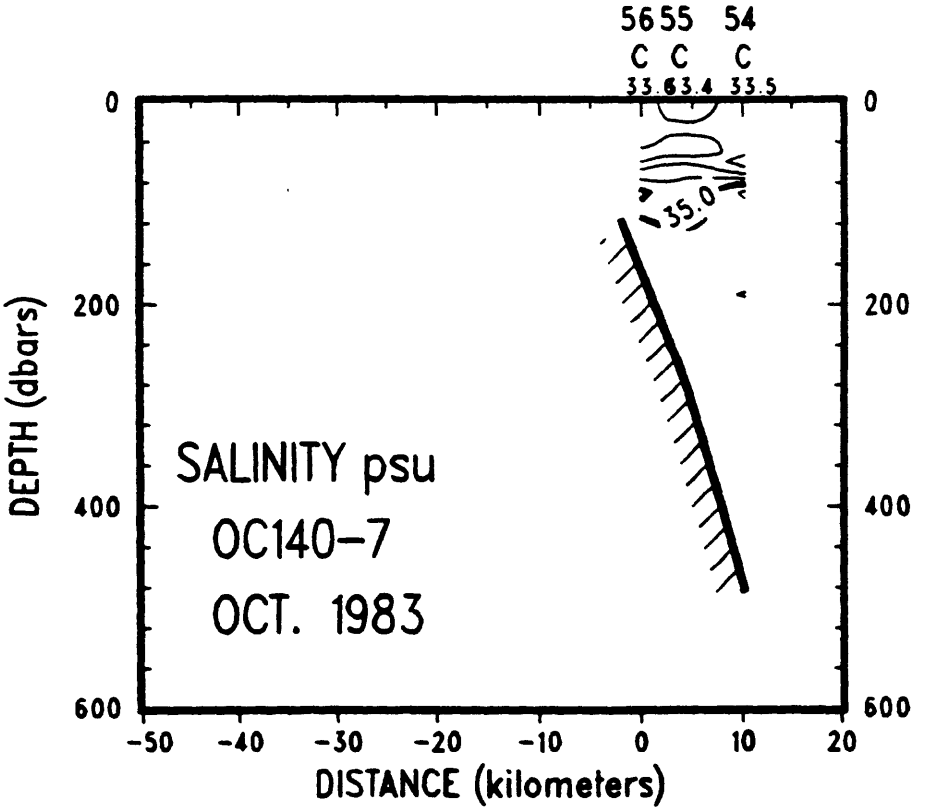
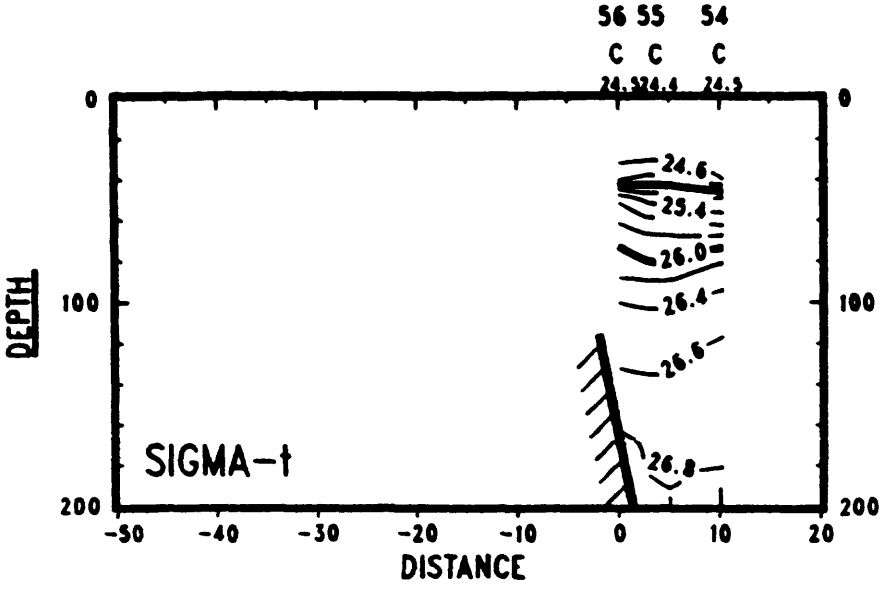
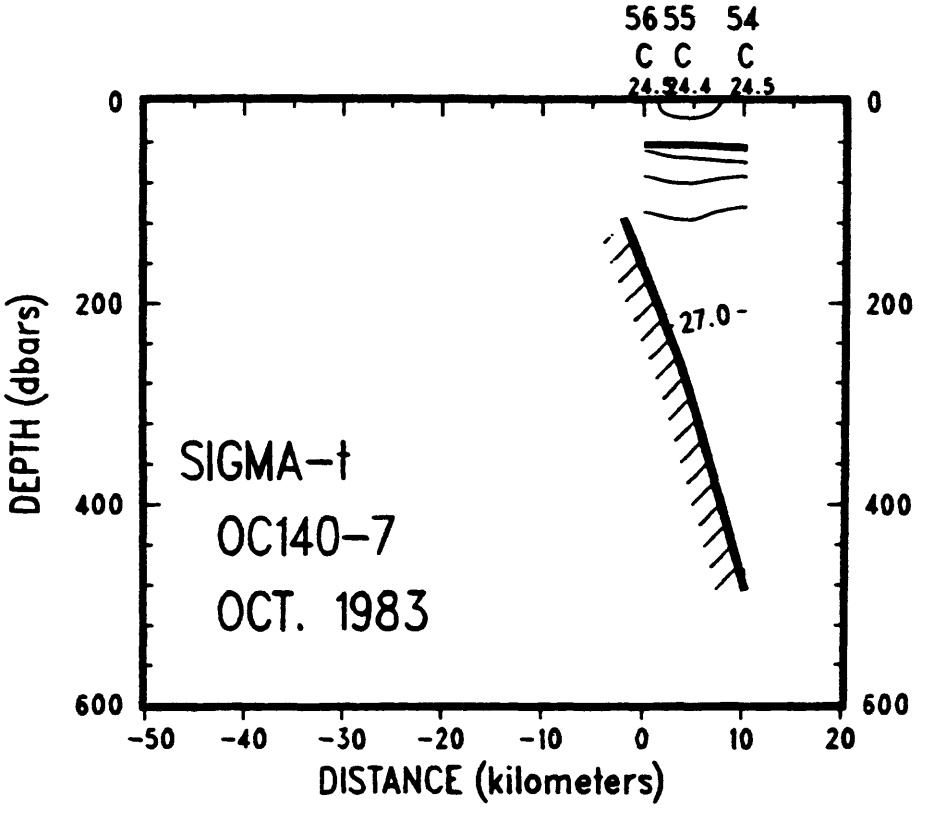
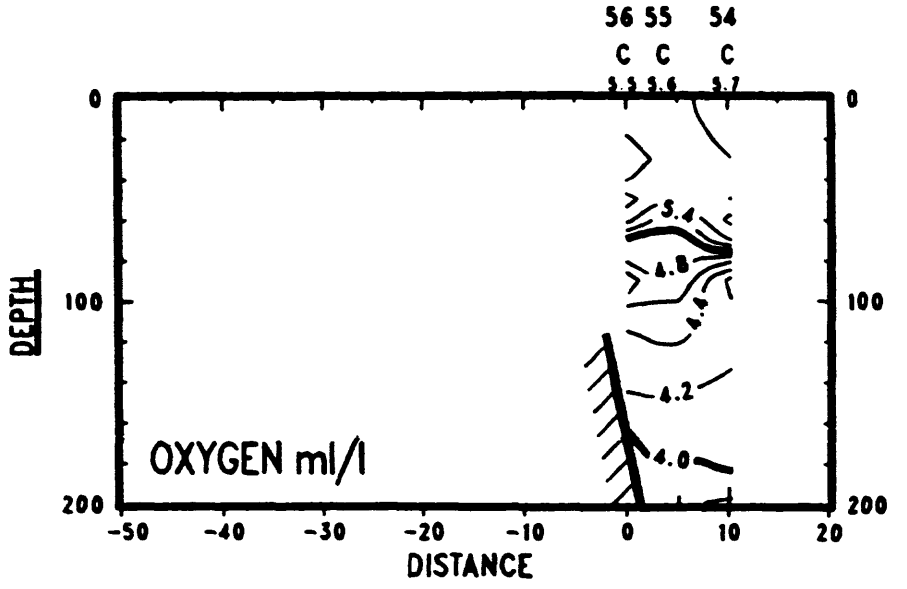

56 55 54
C C C
33.6 33.4 33.5
0
200
400
600
DEPTH (dbars)
35.0
SALINITY psu
OC140-7
OCT. 1983
-50 -40 -30 -20 -10 0 10 20
DISTANCE (kilometers)

Figure 8b


56 55 54
C C C
24.3 24.4 24.5
0
100
200
DEPTH
24.6
25.4
26.0
26.4
26.6
26.8
SIGMA-t
-50 -40 -30 -20 -10 0 10 20
DISTANCE


56 55 54
C C C
24.3 24.4 24.5
0
200
400
600
DEPTH (dbars)
27.0
SIGMA-t
OC140-7
OCT. 1983
-50 -40 -30 -20 -10 0 10 20
DISTANCE (kilometers)


56 55 54
C C C
0
100
200
DEPTH
5.4
4.8
4.2
4.0
OXYGEN ml/l
-50 -40 -30 -20 -10 0 10 20
DISTANCE

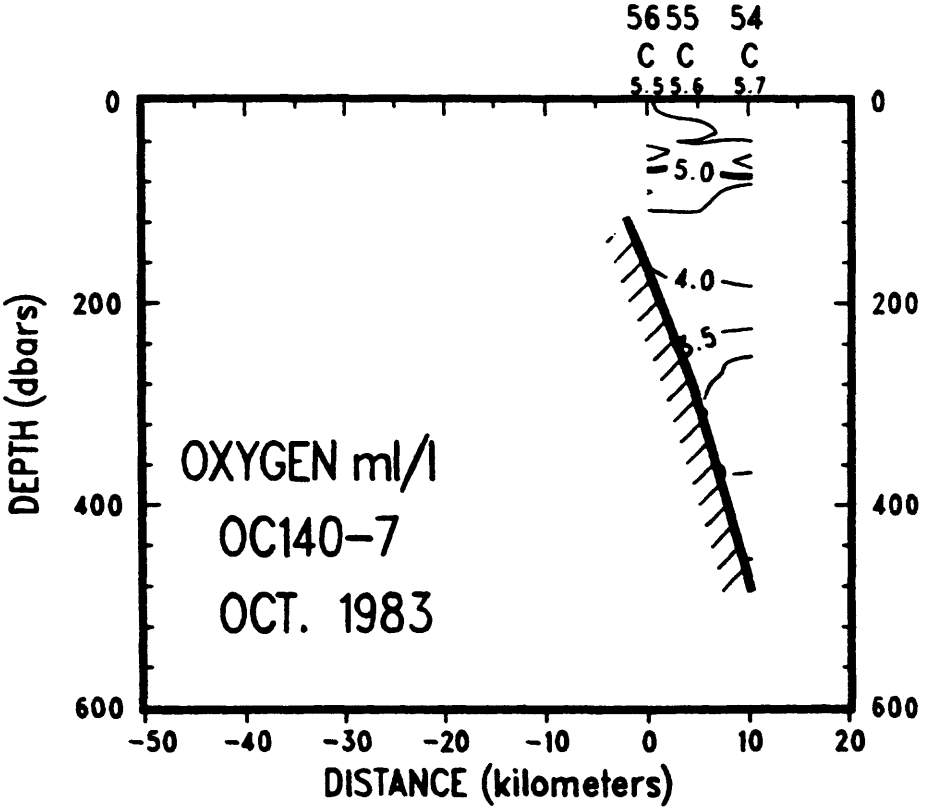
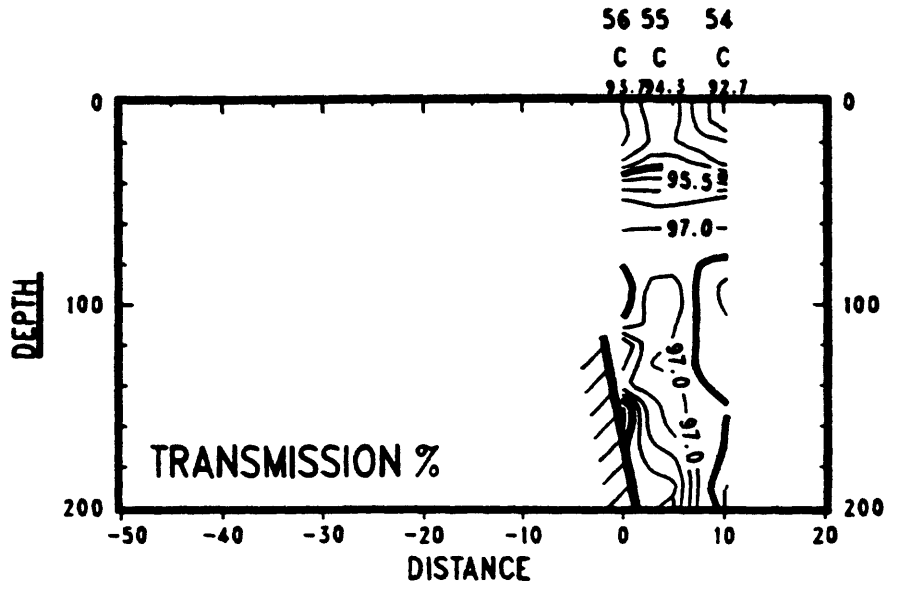

56 55 54
C C C
5.5 5.6 5.7
0
200
400
600
DEPTH (dbars)
5.0
4.0
3.5
OXYGEN ml/l
OC140-7
OCT. 1983
-50 -40 -30 -20 -10 0 10 20
DISTANCE (kilometers)

Figure 8d


56 55 54
C C C
93.7 94.3 92.7
0
100
200
DEPTH
95.5
97.0
97.0
97.0
TRANSMISSION %
-50 -40 -30 -20 -10 0 10 20
DISTANCE

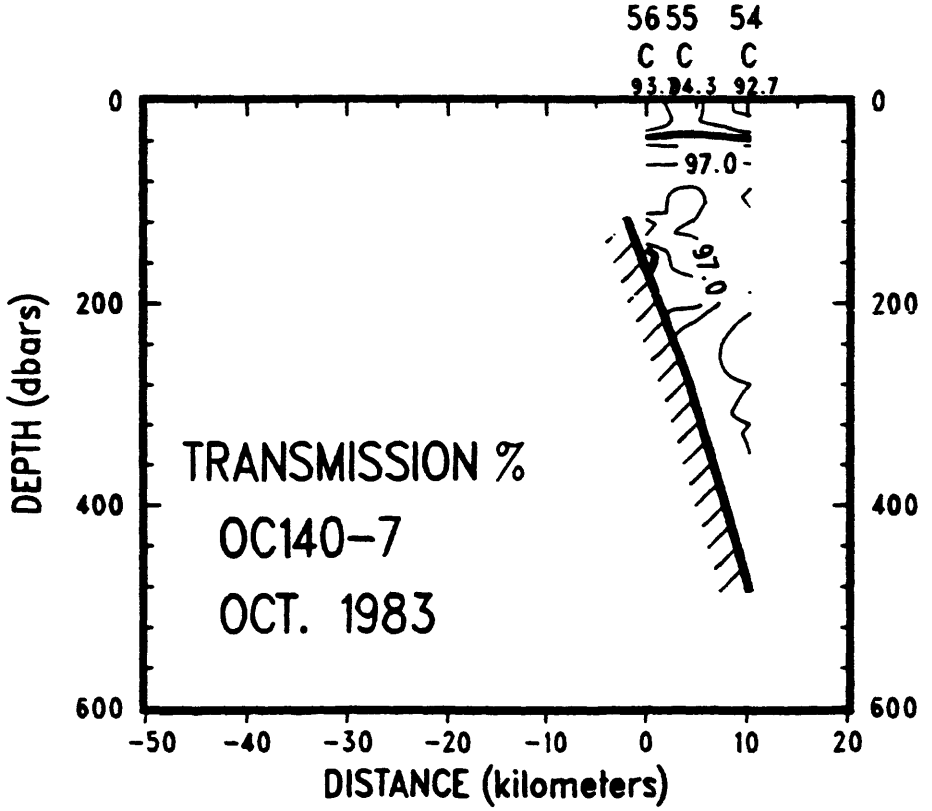
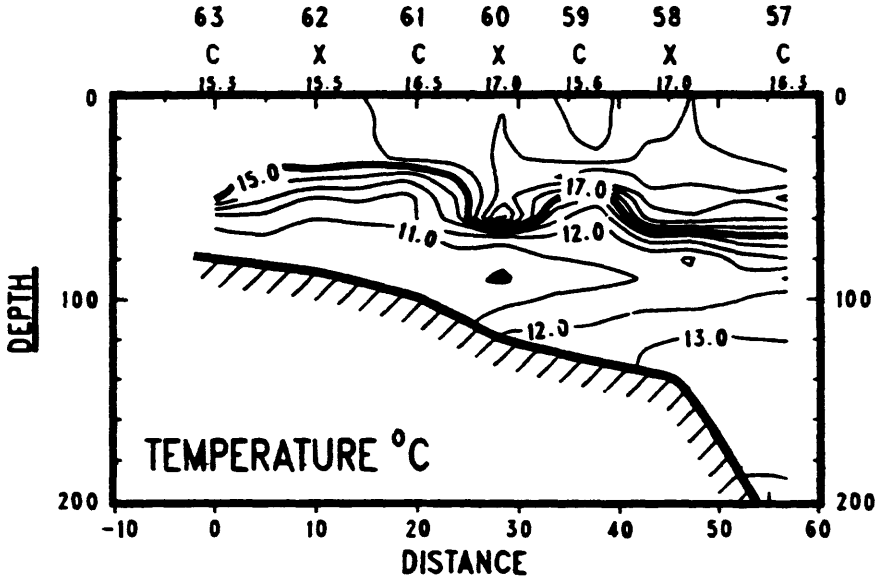

56 55 54
C C C
93.7 94.3 92.7
0
200
400
600
DEPTH (dbars)
97.0
97.0
TRANSMISSION %
OC140-7
OCT. 1983
-50 -40 -30 -20 -10 0 10 20
DISTANCE (kilometers)

Figure 8e


63 62 61 60 59 58 57
C X C X C X C
15.3 15.5 16.5 17.0 15.6 17.0 16.3
0
100
200
DEPTH
15.0
11.0
17.0
12.0
12.0
13.0
TEMPERATURE °C
-10 0 10 20 30 40 50 60
DISTANCE

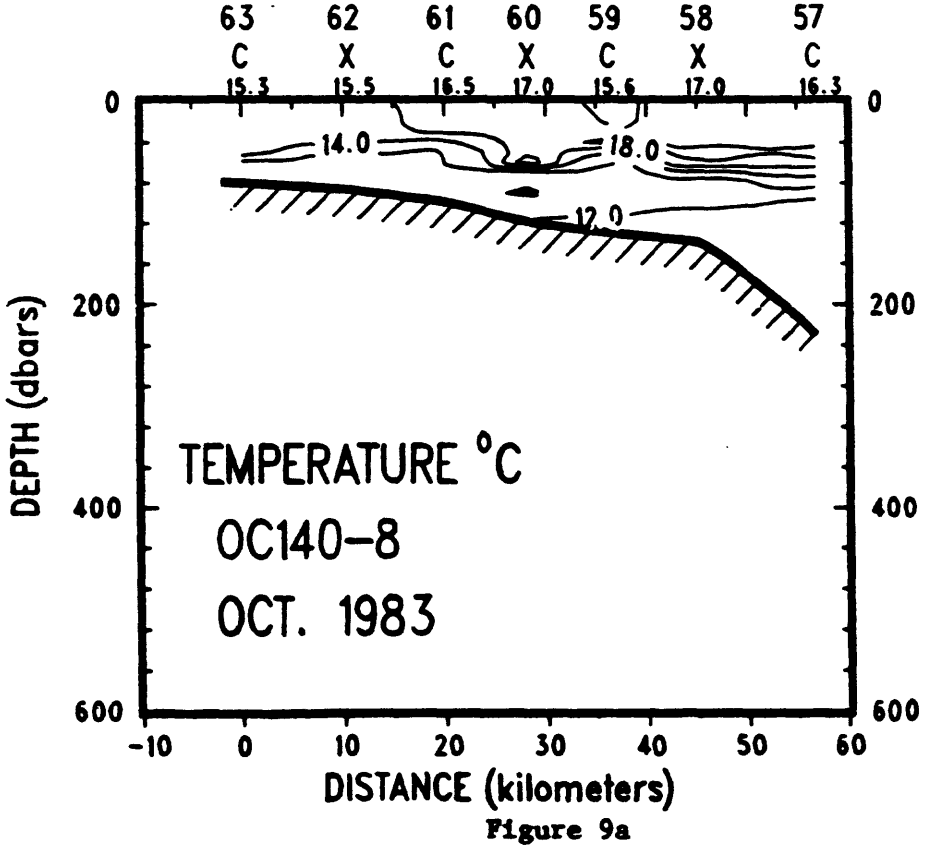
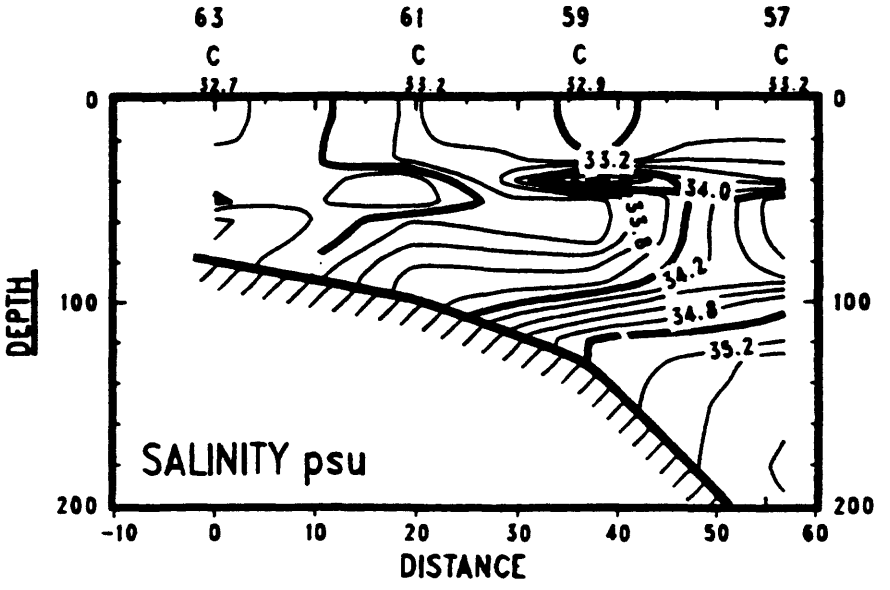

63 62 61 60 59 58 57
C X C X C X C
15.3 15.5 16.5 17.0 15.6 17.0 16.3
0
200
400
600
DEPTH (dbars)
14.0
18.0
12.0
TEMPERATURE °C
OC140-8
OCT. 1983
-10 0 10 20 30 40 50 60
DISTANCE (kilometers)

Figure 9a


63
C
32.7
61
C
33.2
59
C
32.9
57
C
33.2
0
100
200
DEPTH
33.2
34.0
34.2
34.8
35.2
SALINITY psu
-10
0
10
20
30
40
50
60
DISTANCE

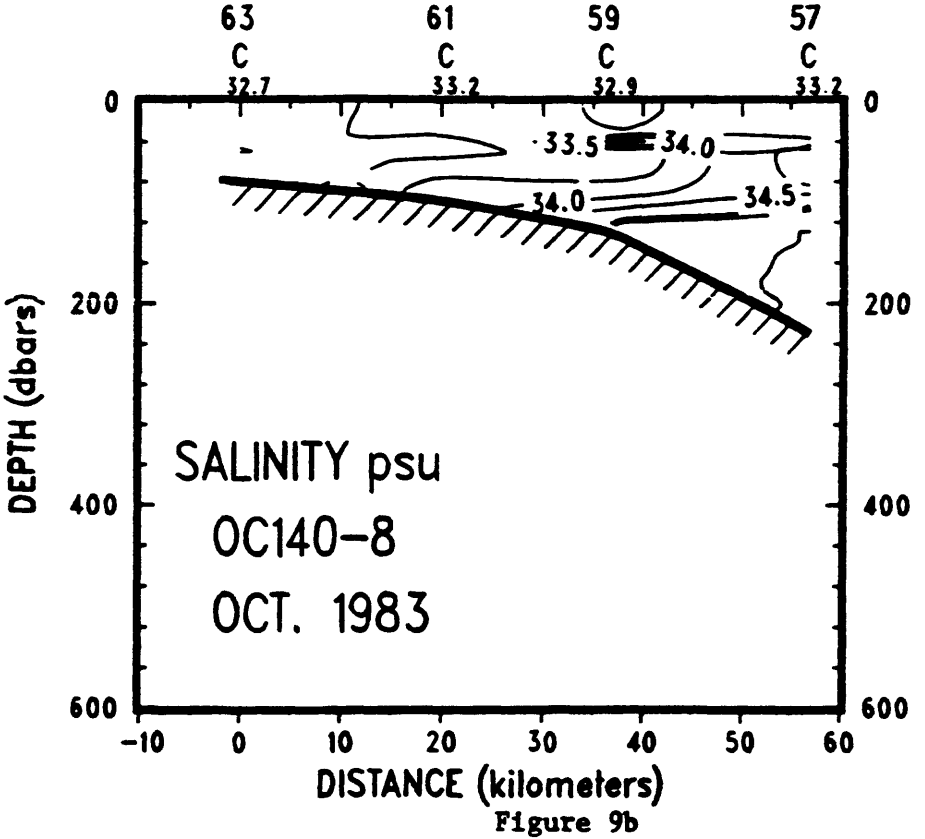
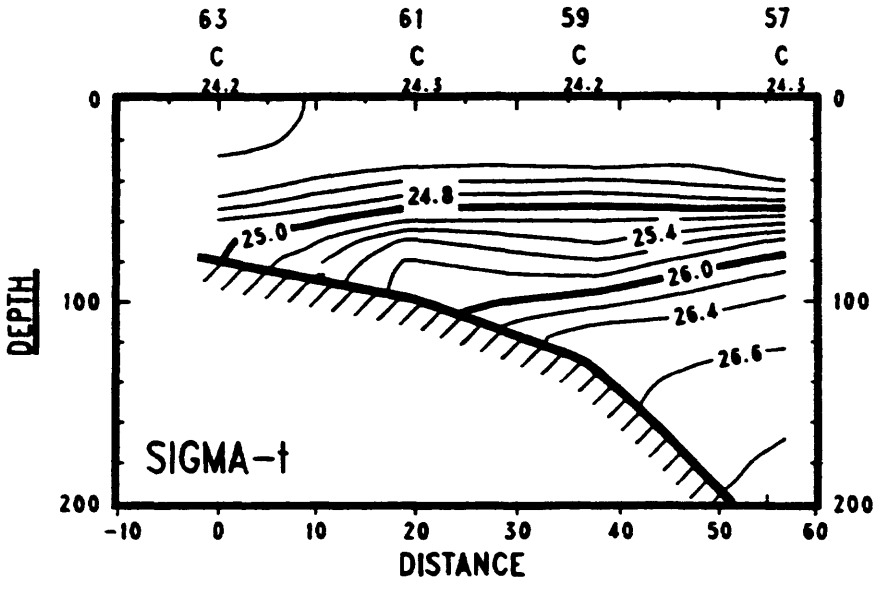

63
C
32.7
61
C
33.2
59
C
32.9
57
C
33.2
0
200
400
600
DEPTH (dbars)
33.5
34.0
34.0
34.5
SALINITY psu
OC140-8
OCT. 1983
-10
0
10
20
30
40
50
60
DISTANCE (kilometers)

Figure 9b


63
C
24.2
61
C
24.3
59
C
24.2
57
C
24.3
0
100
200
DEPTH
24.8
25.0
25.4
26.0
26.4
26.6
SIGMA-t
-10
0
10
20
30
40
50
60
DISTANCE

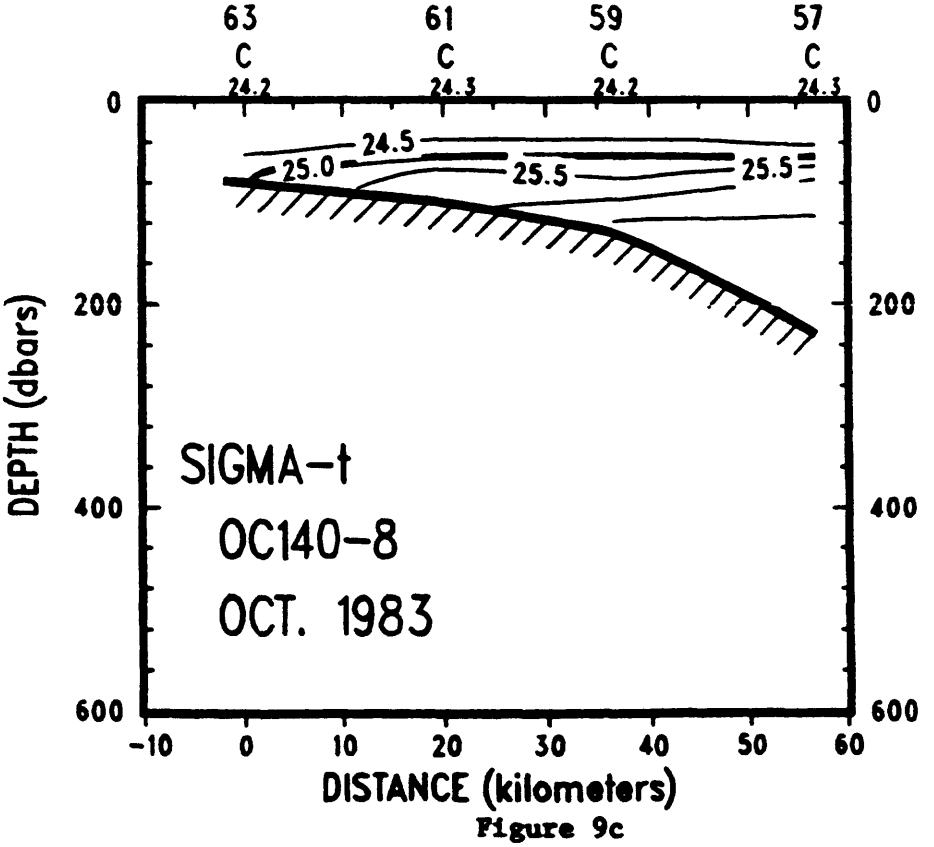
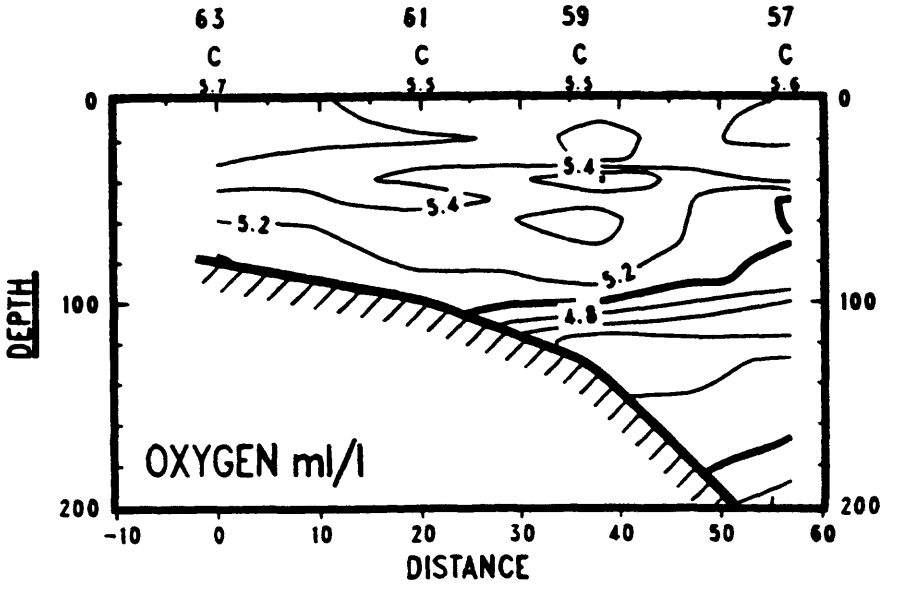

63
C
24.2
61
C
24.3
59
C
24.2
57
C
24.3
0
200
400
600
DEPTH (dbars)
24.5
25.0
25.5
25.5
SIGMA-t
OC140-8
OCT. 1983
-10
0
10
20
30
40
50
60
DISTANCE (kilometers)

Figure 9c


63
C
5.7
61
C
5.5
59
C
5.5
57
C
5.6
0
100
200
DEPTH
5.4
5.4
5.2
5.2
4.8
OXYGEN ml/l
-10
0
10
20
30
40
50
60
DISTANCE

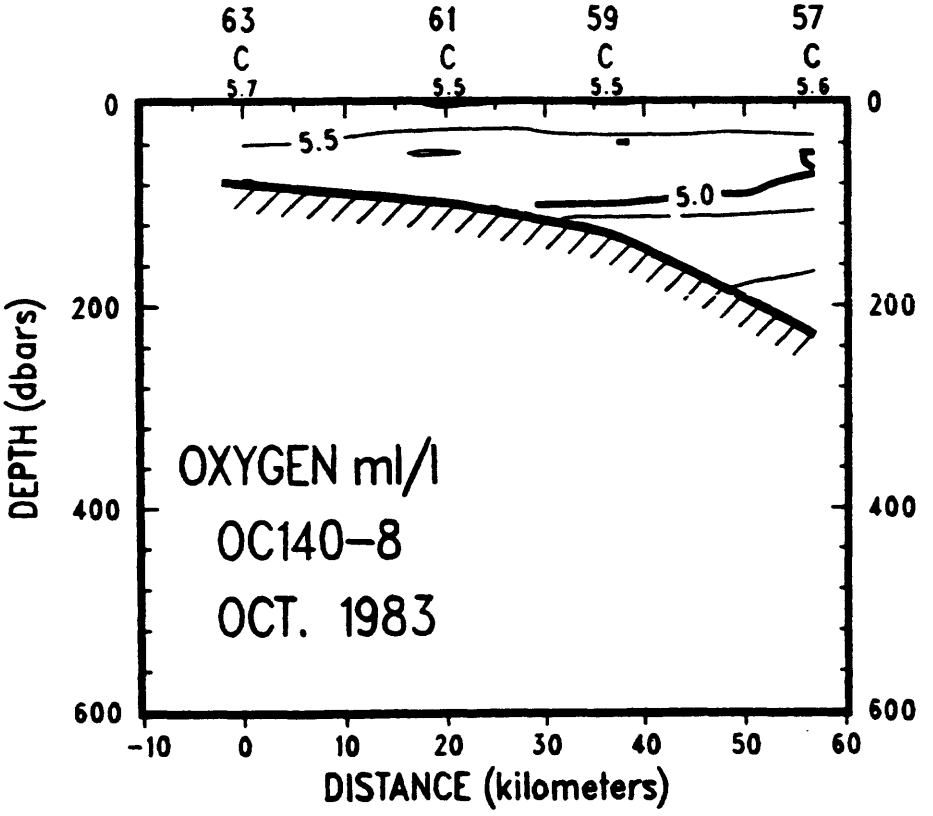
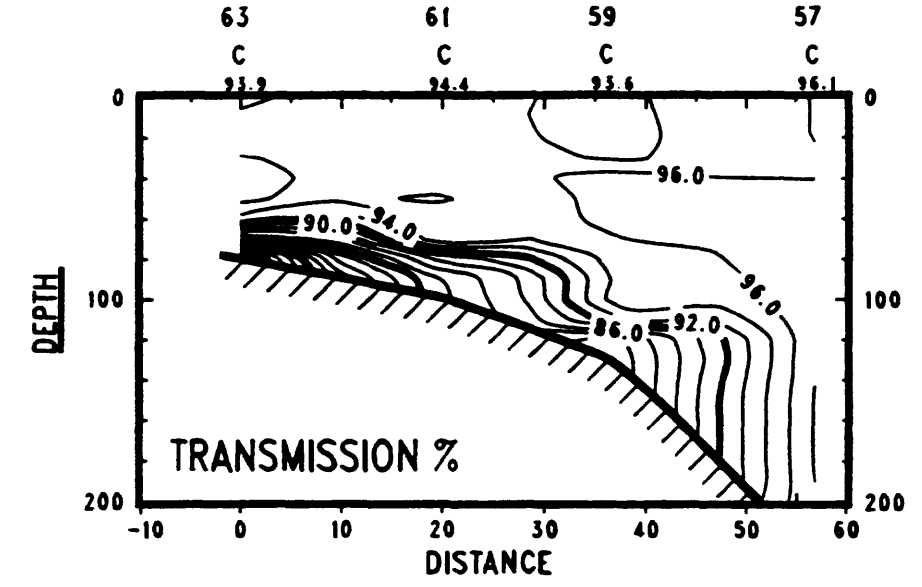

63
C
5.7
61
C
5.5
59
C
5.5
57
C
5.6
0
200
400
600
DEPTH (dbars)
5.5
5.0
OXYGEN ml/l
OC140-8
OCT. 1983
-10
0
10
20
30
40
50
60
DISTANCE (kilometers)

Figure 9d


63
C
93.9
61
C
94.4
59
C
93.6
57
C
96.1
0
100
200
DEPTH
96.0
90.0
94.0
96.0
86.0
92.0
TRANSMISSION %
-10
0
10
20
30
40
50
60
DISTANCE

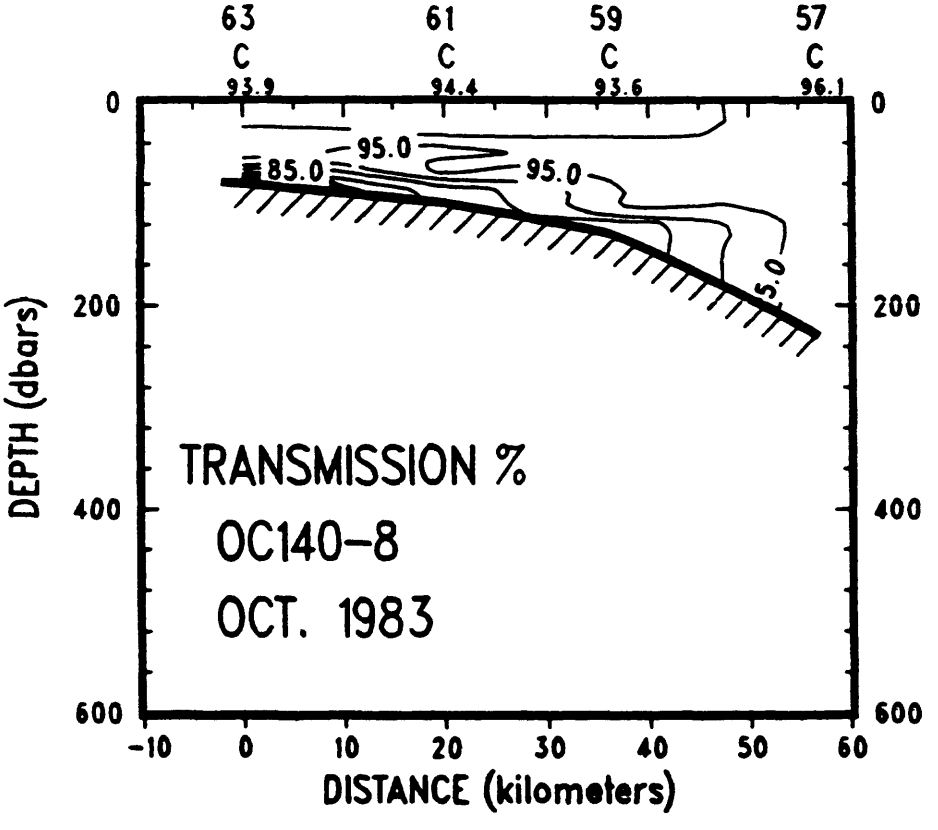

63
C
93.9
61
C
94.4
59
C
93.6
57
C
96.1
0
200
400
600
DEPTH (dbars)
95.0
85.0
95.0
5.0
TRANSMISSION %
OC140-8
OCT. 1983
-10
0
10
20
30
40
50
60
DISTANCE (kilometers)

Figure 9e

Station profiles

Plots of temperature, salinity, sigma-t, oxygen, and percent light transmission at each station are shown in figures 10-77. The averaging scheme is listed at the top of each plot and the different symbols used to distinguish variables are shown on each variable axis. XBT profiles have been limited to 500 m. Extinction coefficient (EXT COEFF) is the same as the beam attenuation coefficient and has the units of m^{-1}. The units of salt are practical salinity units (psu) and are defined by Lewis (1980).

OC140A CAST #1

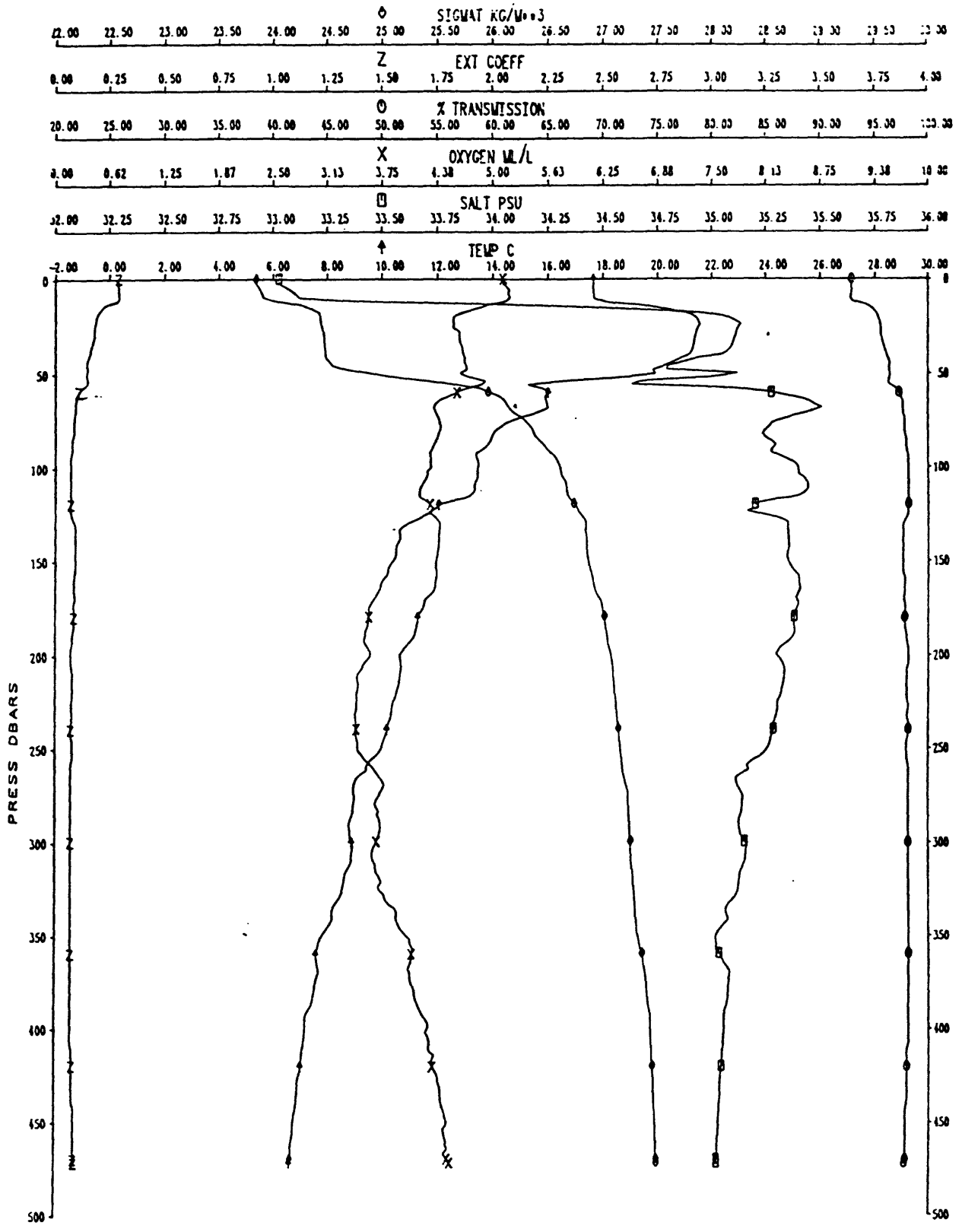


Figure 10.

OC140A CAST #2

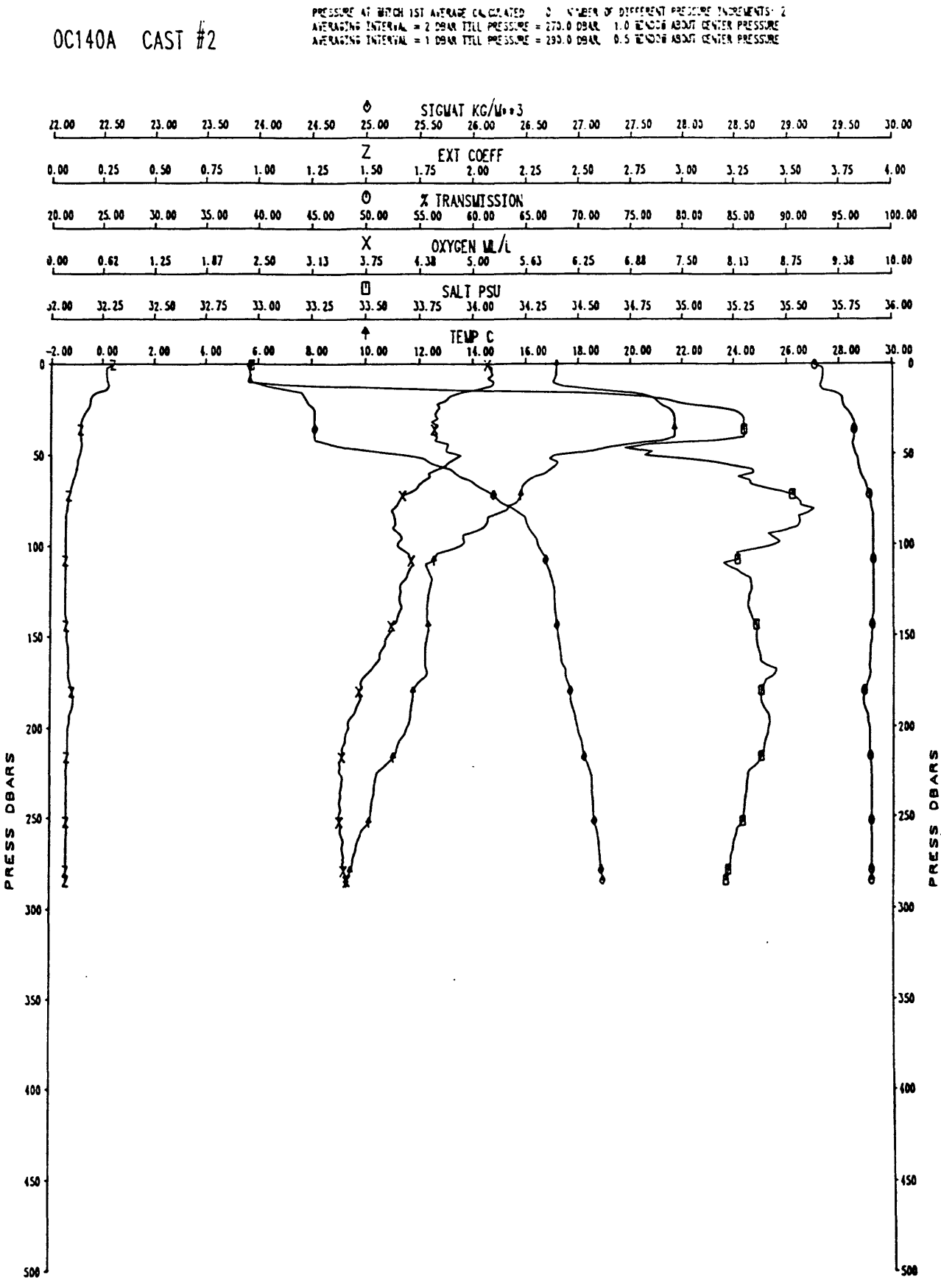


Figure 11.

OC140A CAST #3

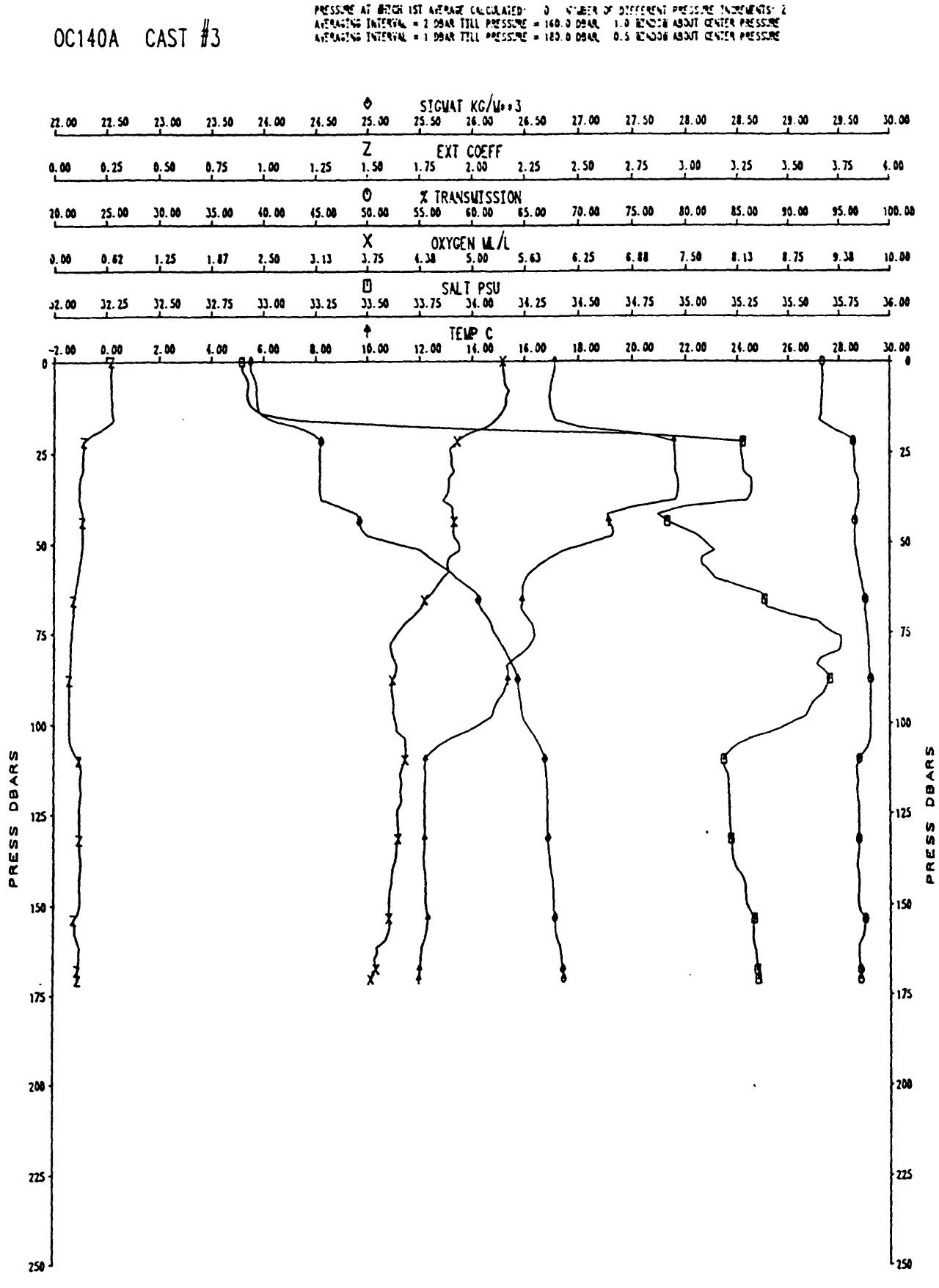


Figure 12.

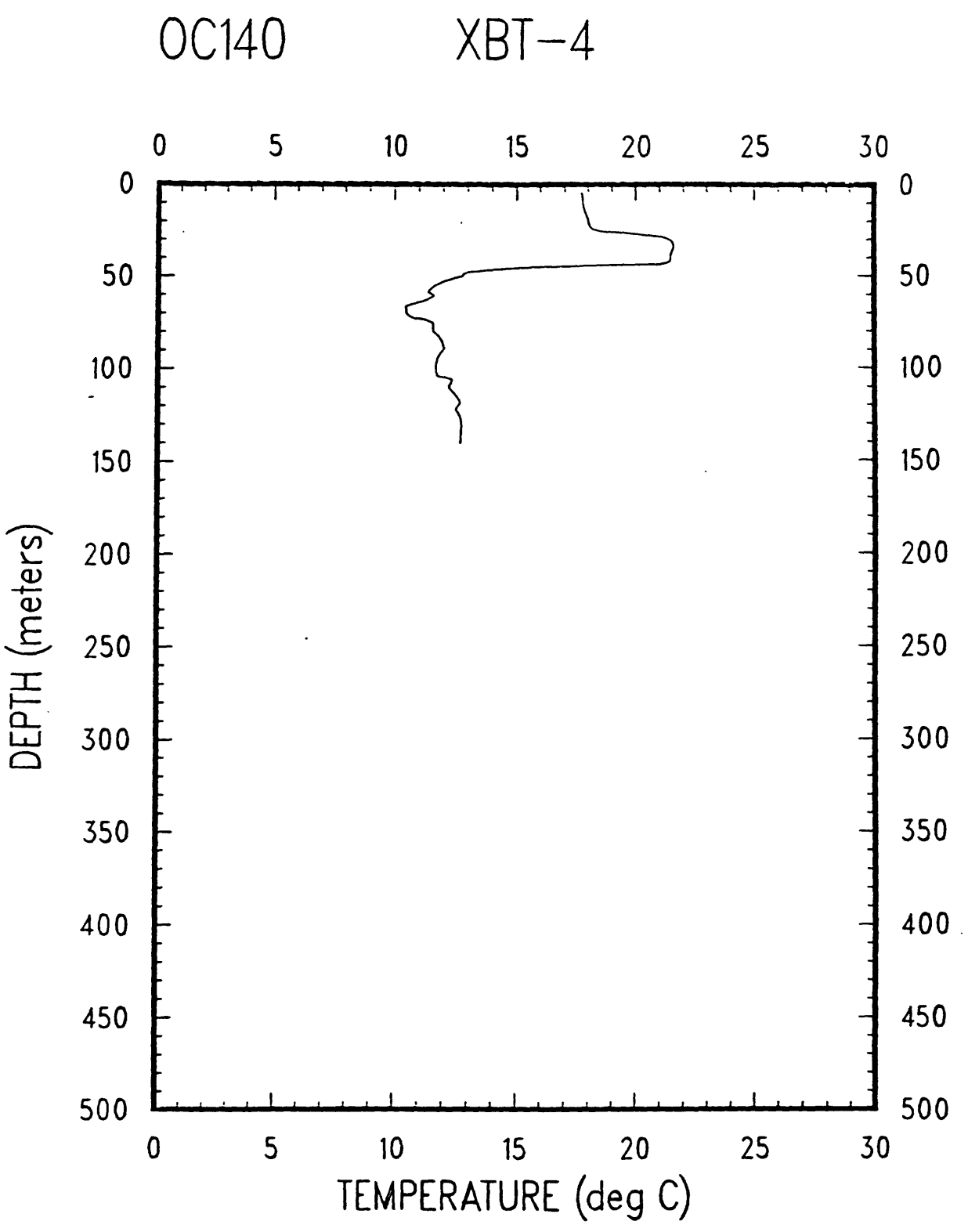

OC140
XBT-4
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 13.

OC140A CAST #5

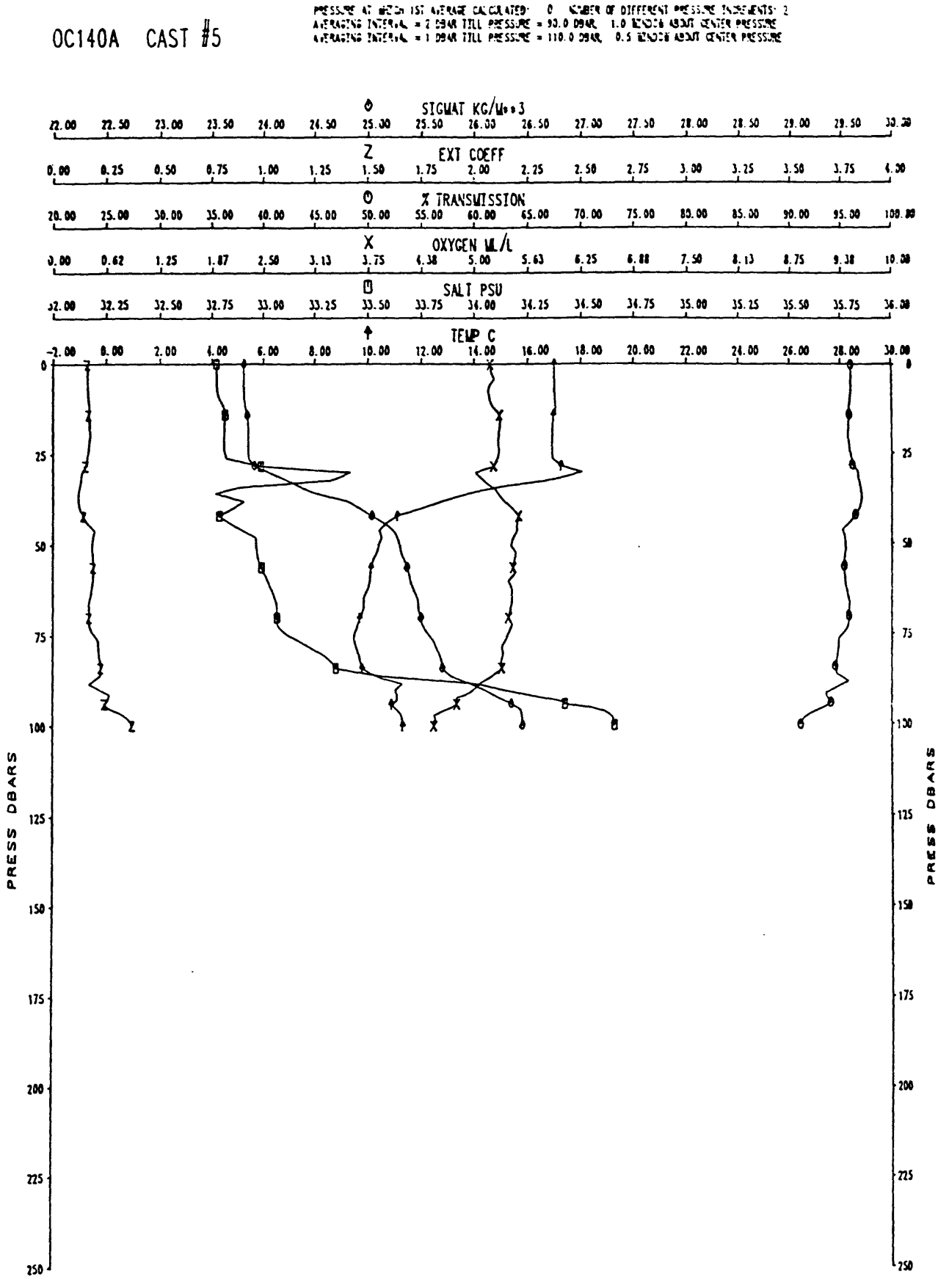


Figure 14.

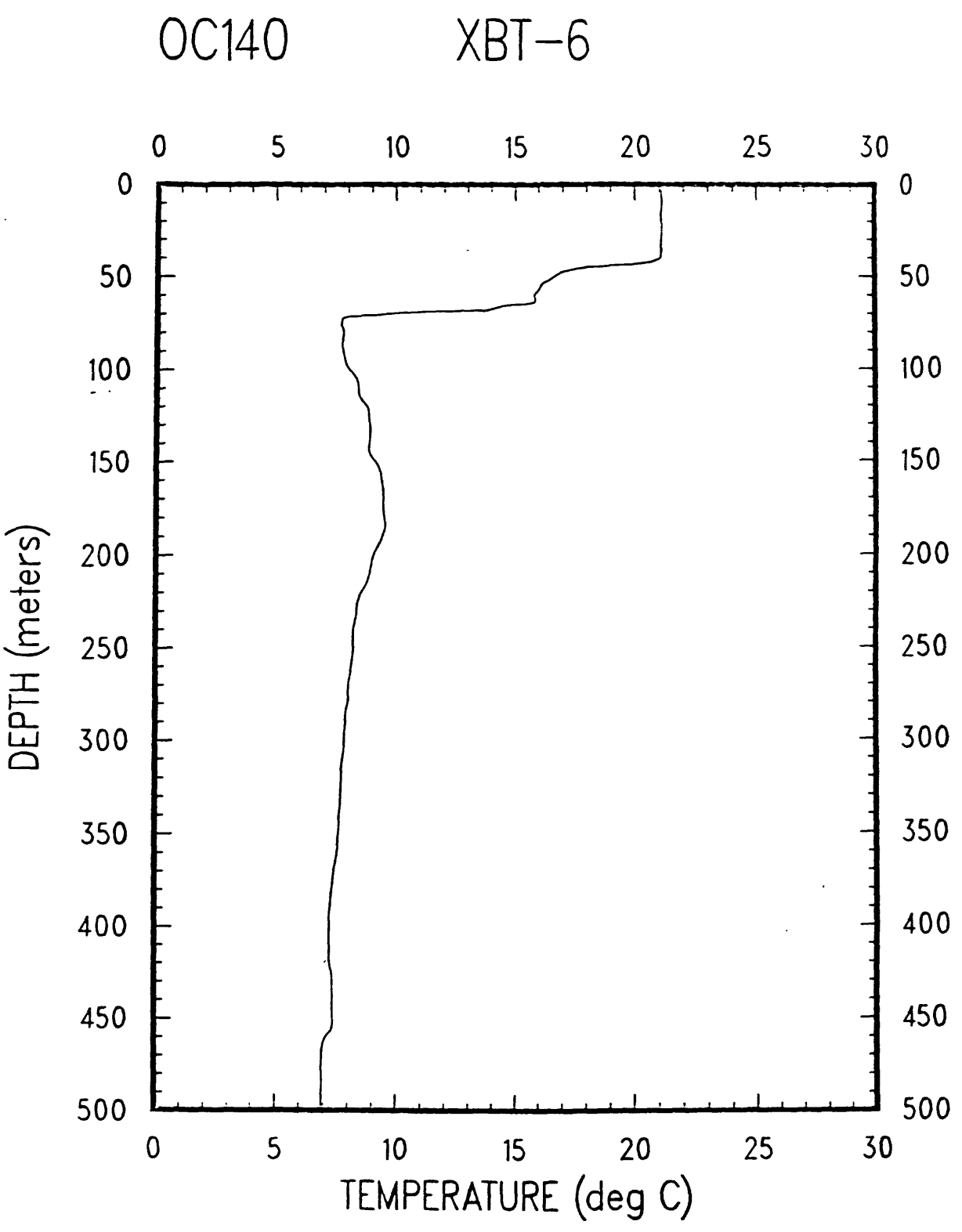

OC140
XBT-6
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 15.

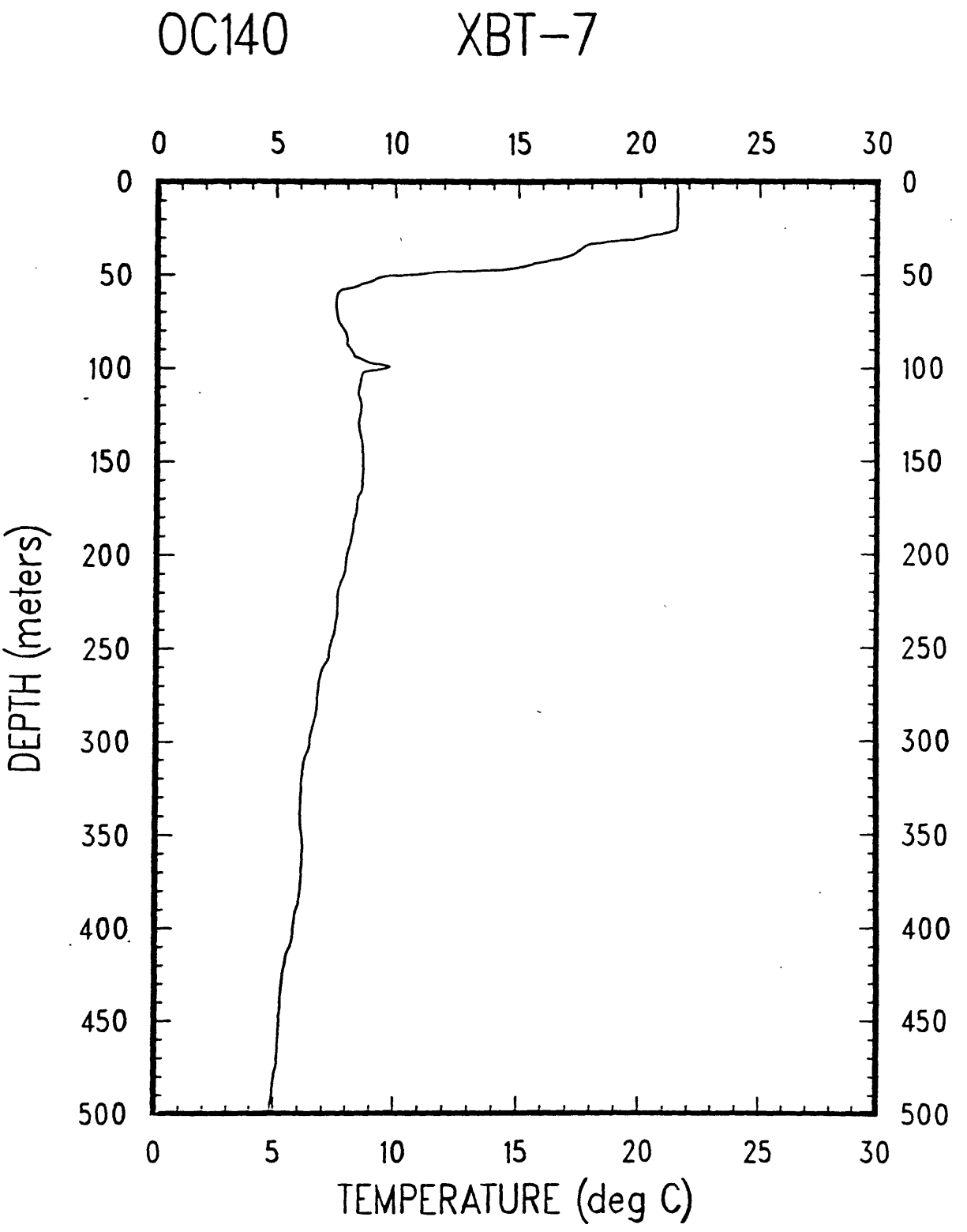

OC140
XBT-7
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 16.

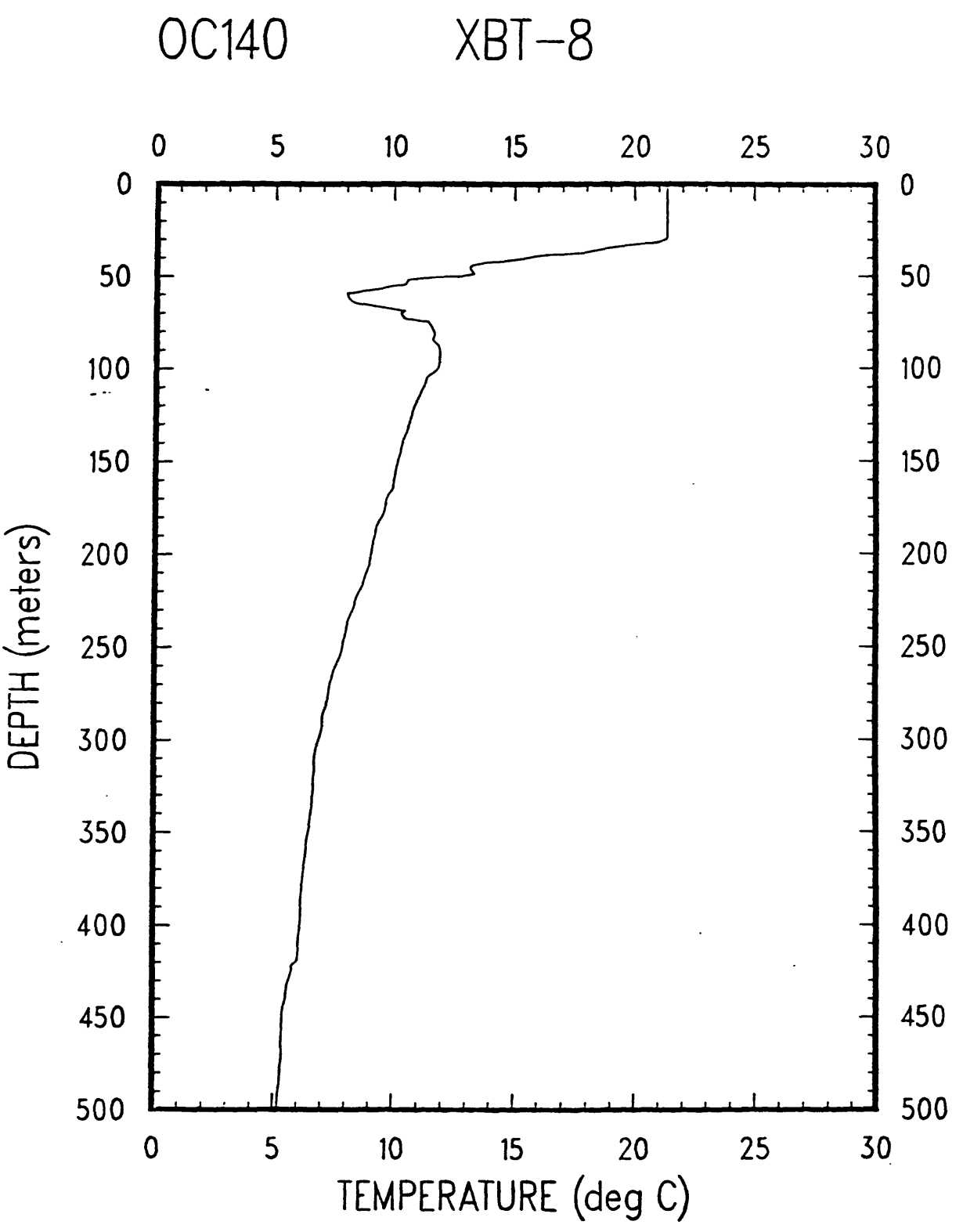

OC140
XBT-8
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 17.

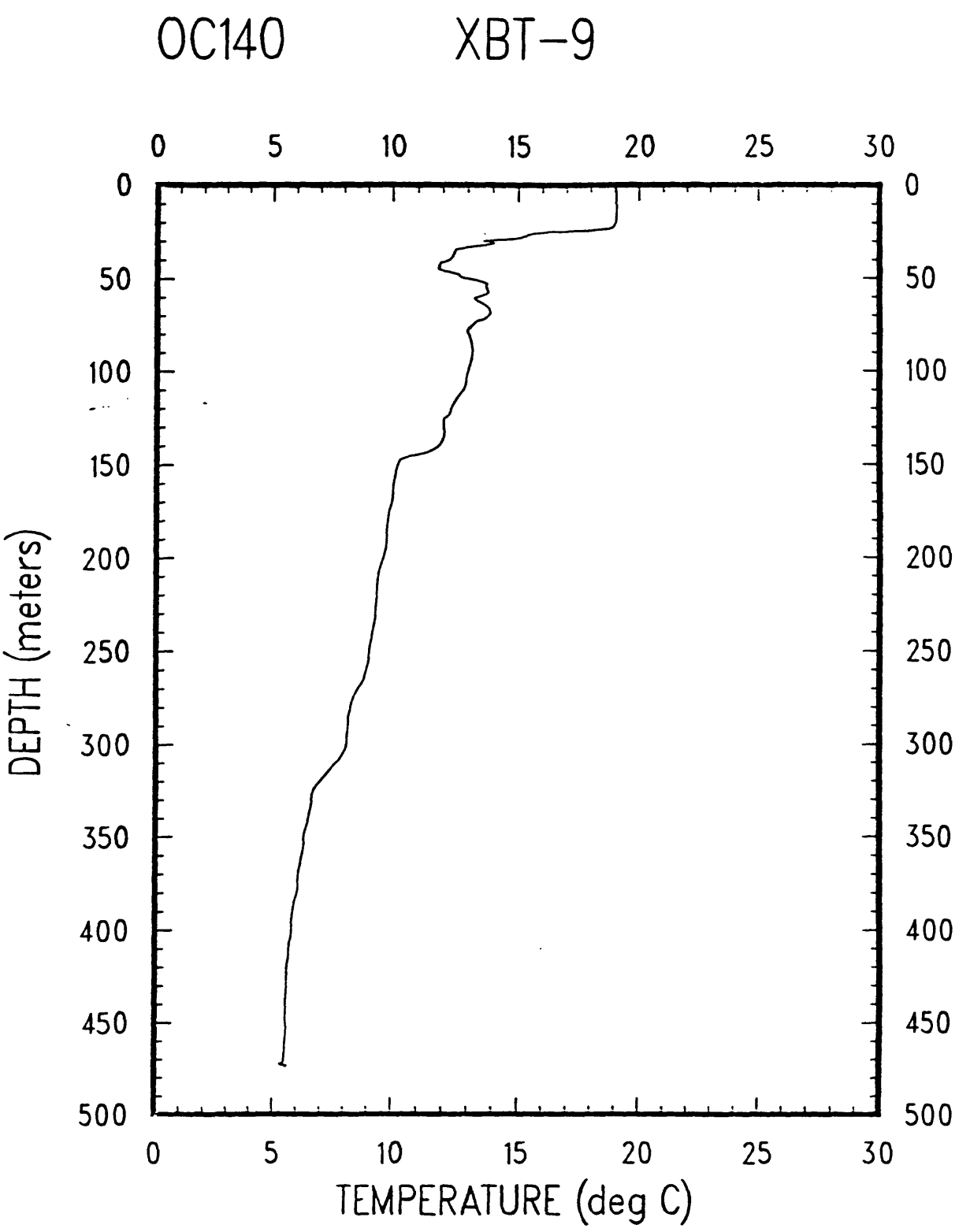

OC140
XBT-9
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 18.

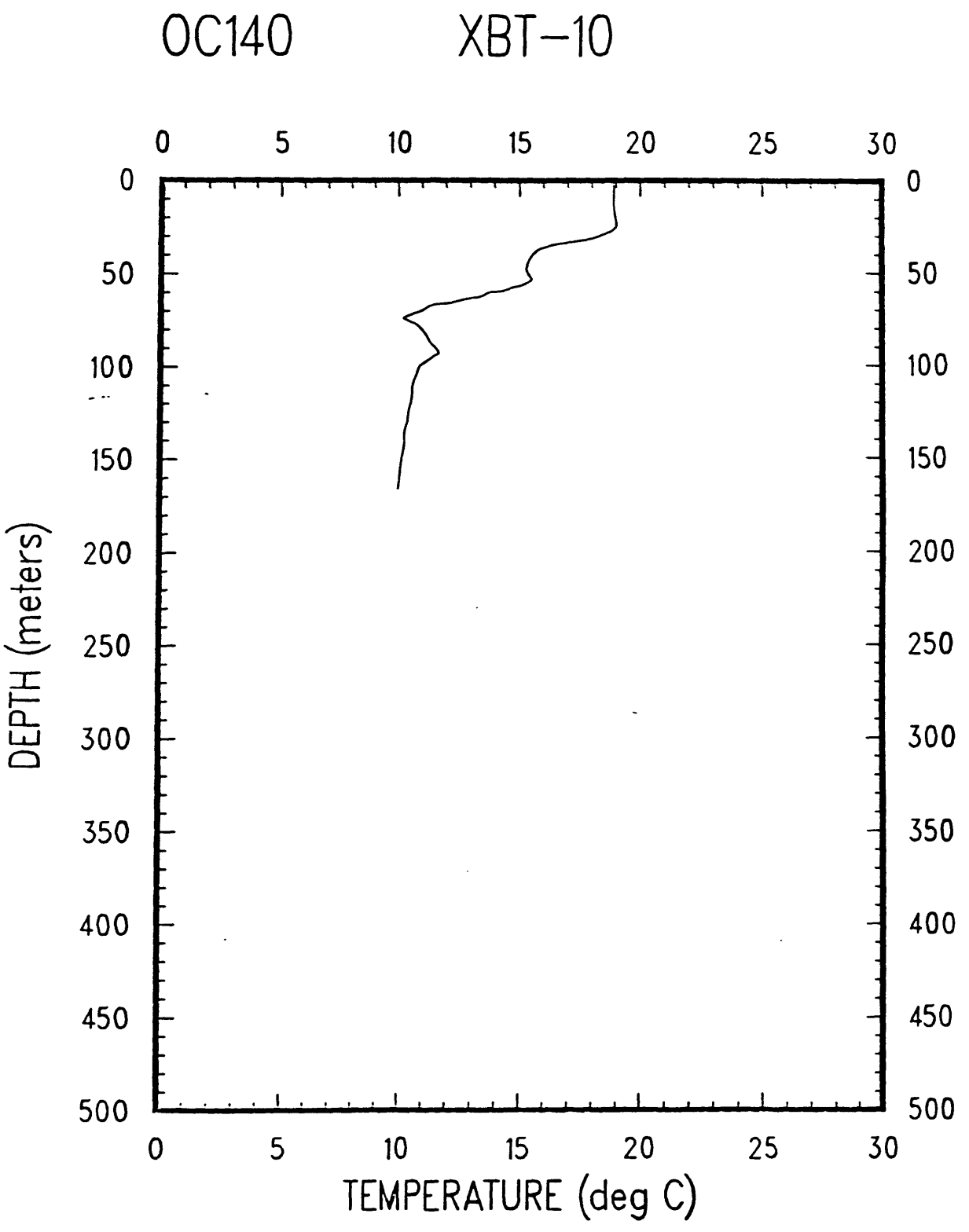

OC140
XBT-10
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 19.

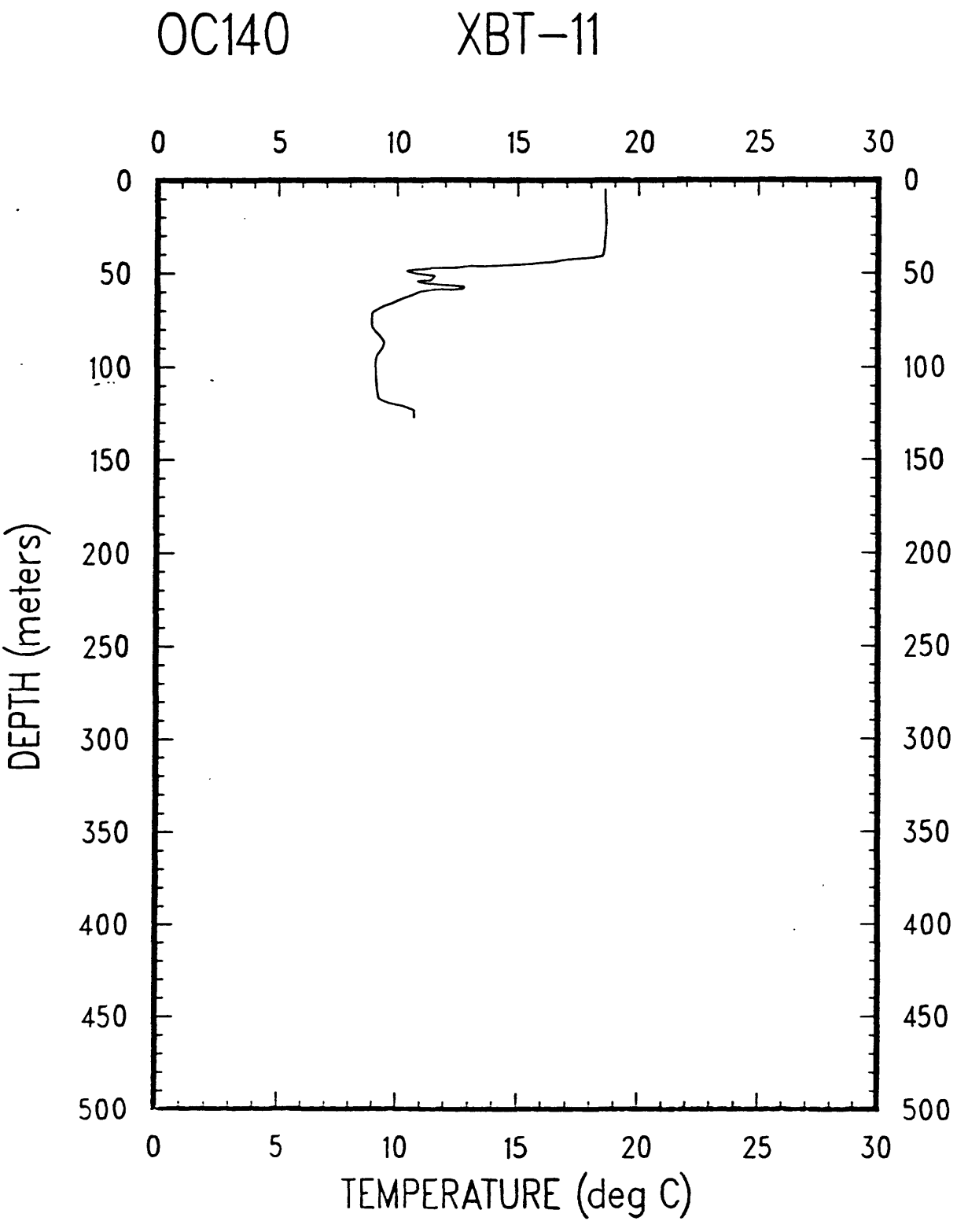

OC140 XBT-11
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 20.

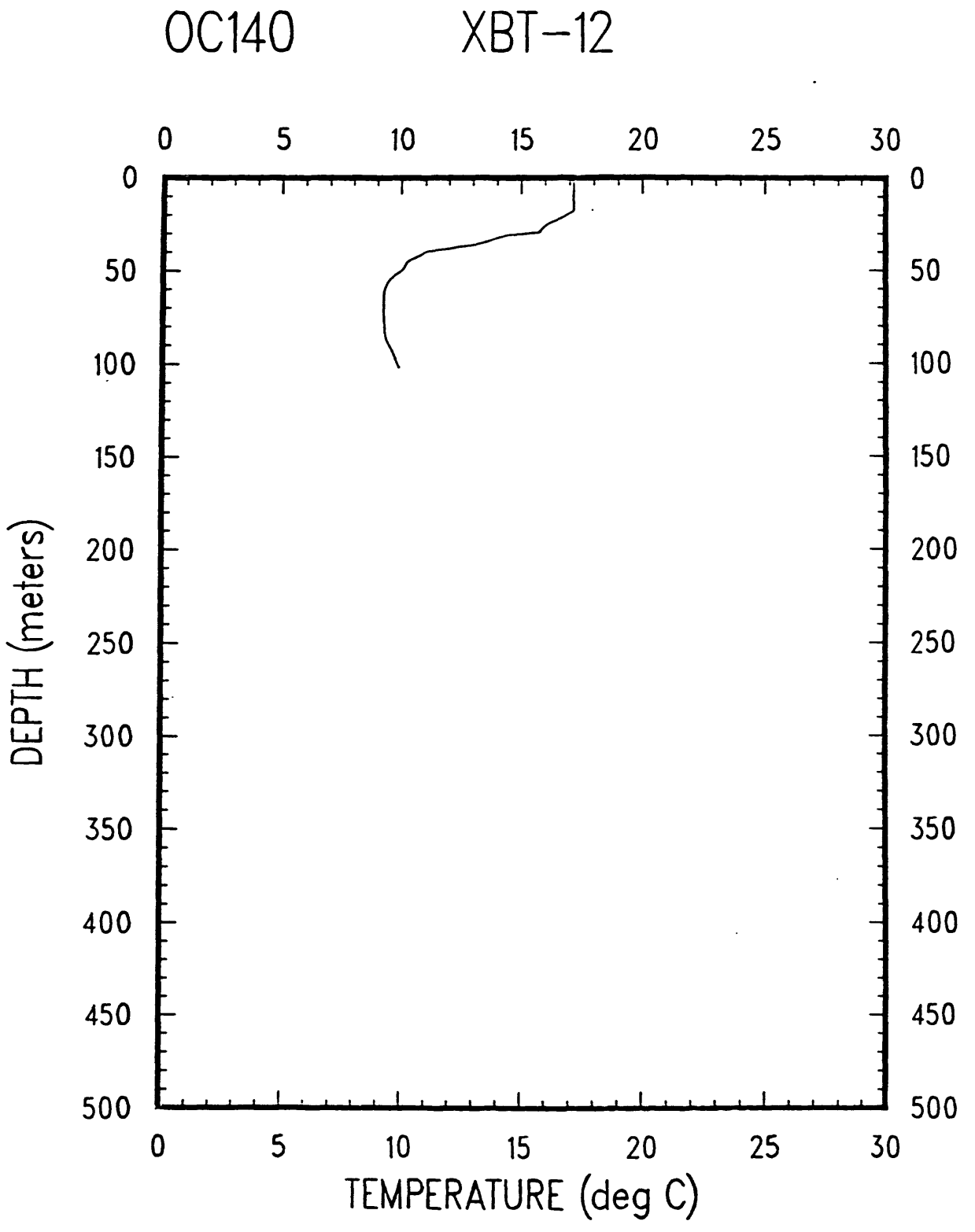

OC140
XBT-12
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 21.

OC140A CAST #13

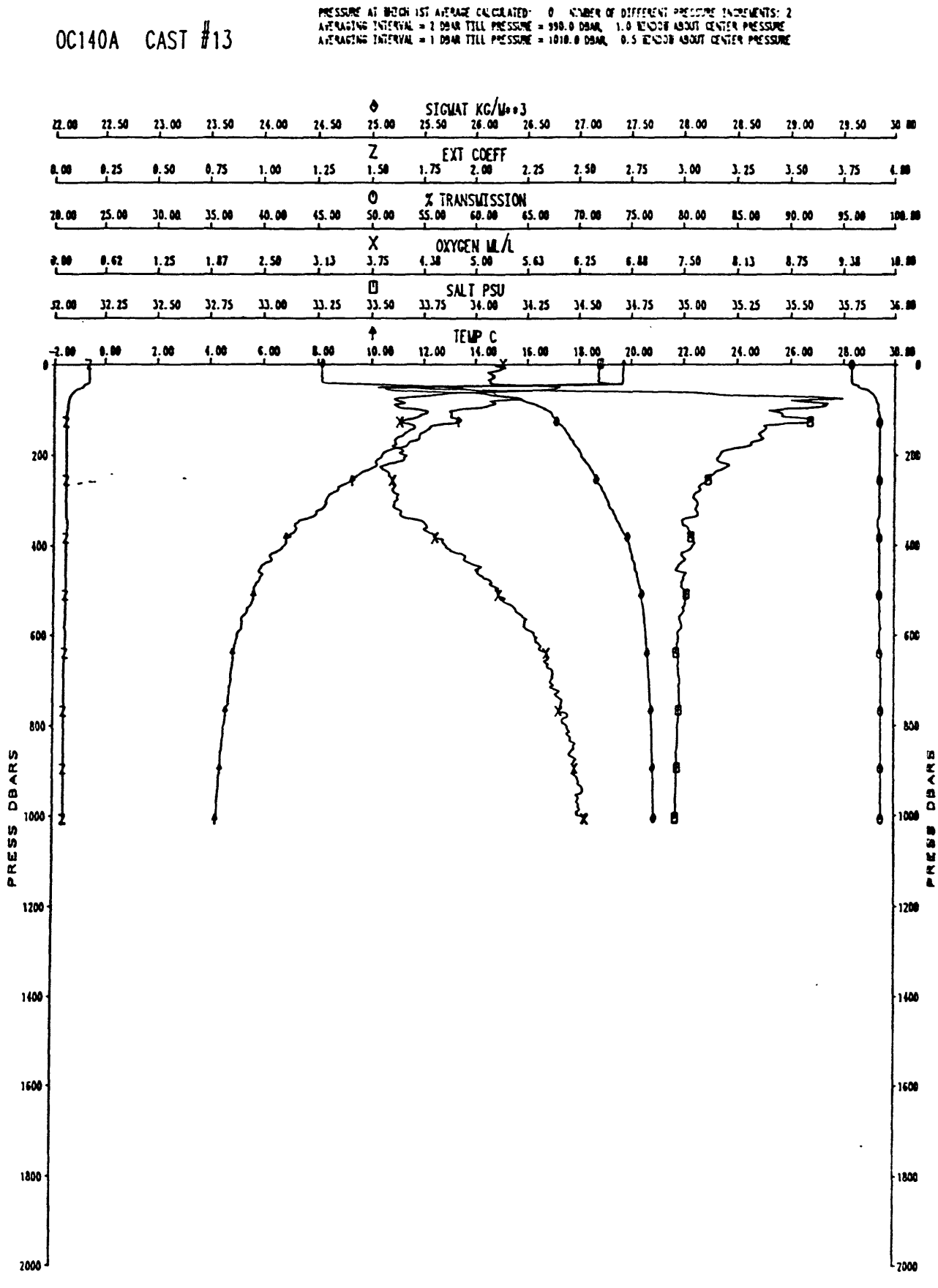


Figure 22.

OC140A CAST #13

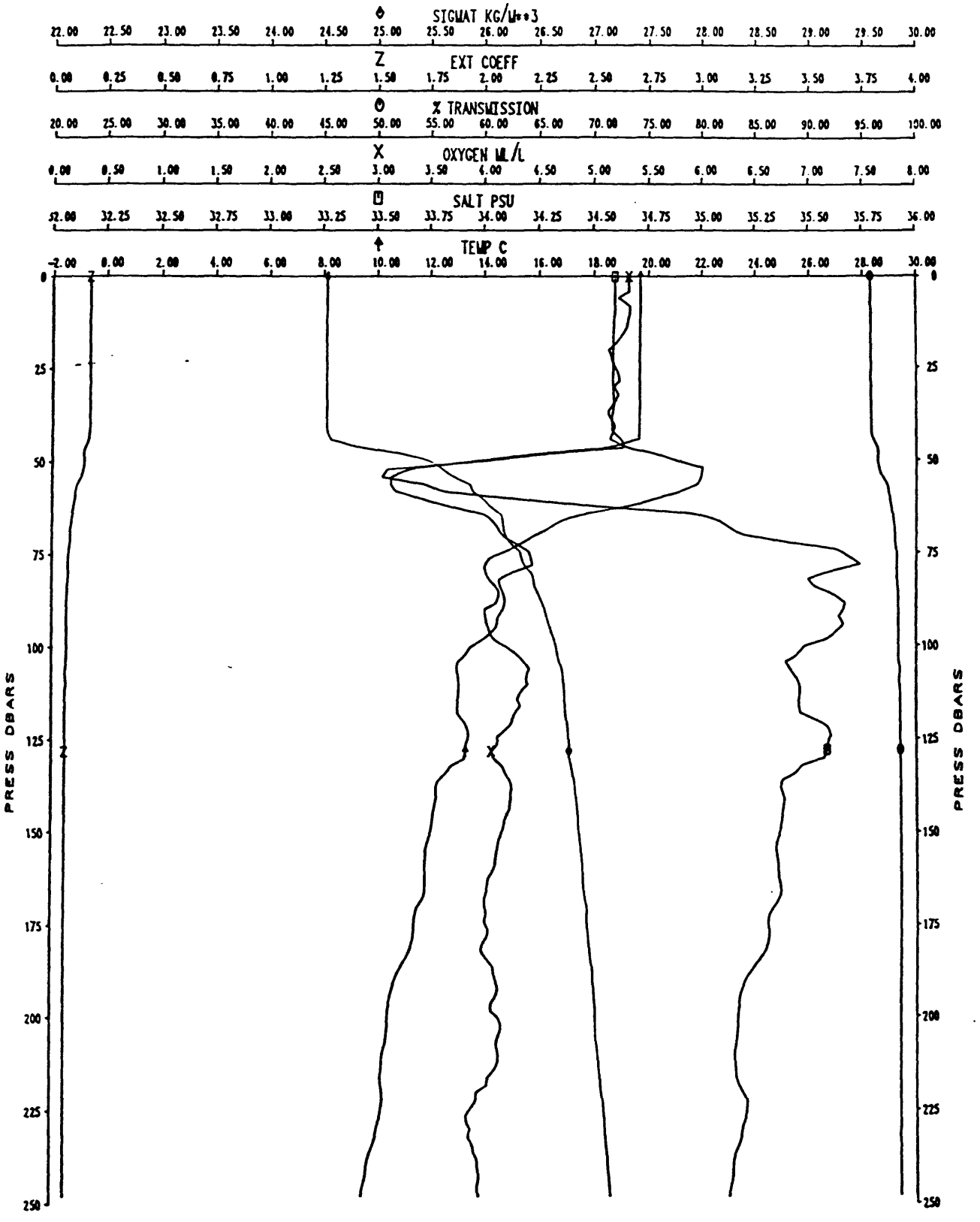


Figure 23.

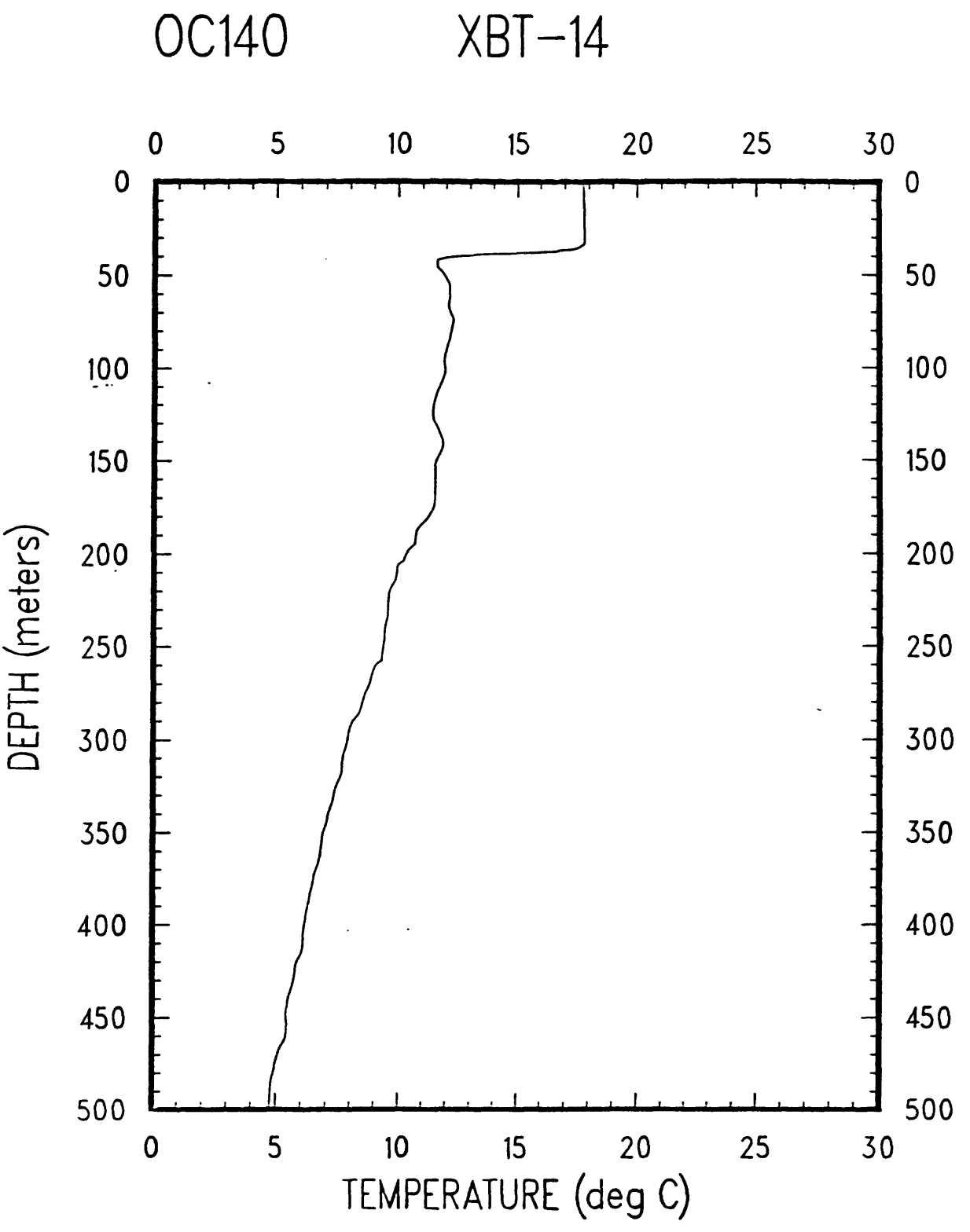

OC140
XBT-14
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 24.

OC140A CAST #15

PRESSURE AT WHICH 1ST AVERAGE CALCULATED: 0 NUMBER OF DIFFERENT PRESSURE INCREMENTS: 2
AVERAGING INTERVAL = 2 DBAR TILL PRESSURE = 500.0 DBAR, 1.0 RANGE ABOUT CENTER PRESSURE
AVERAGING INTERVAL = 1 DBAR TILL PRESSURE = 520.0 DBAR, 0.5 RANGE ABOUT CENTER PRESSURE

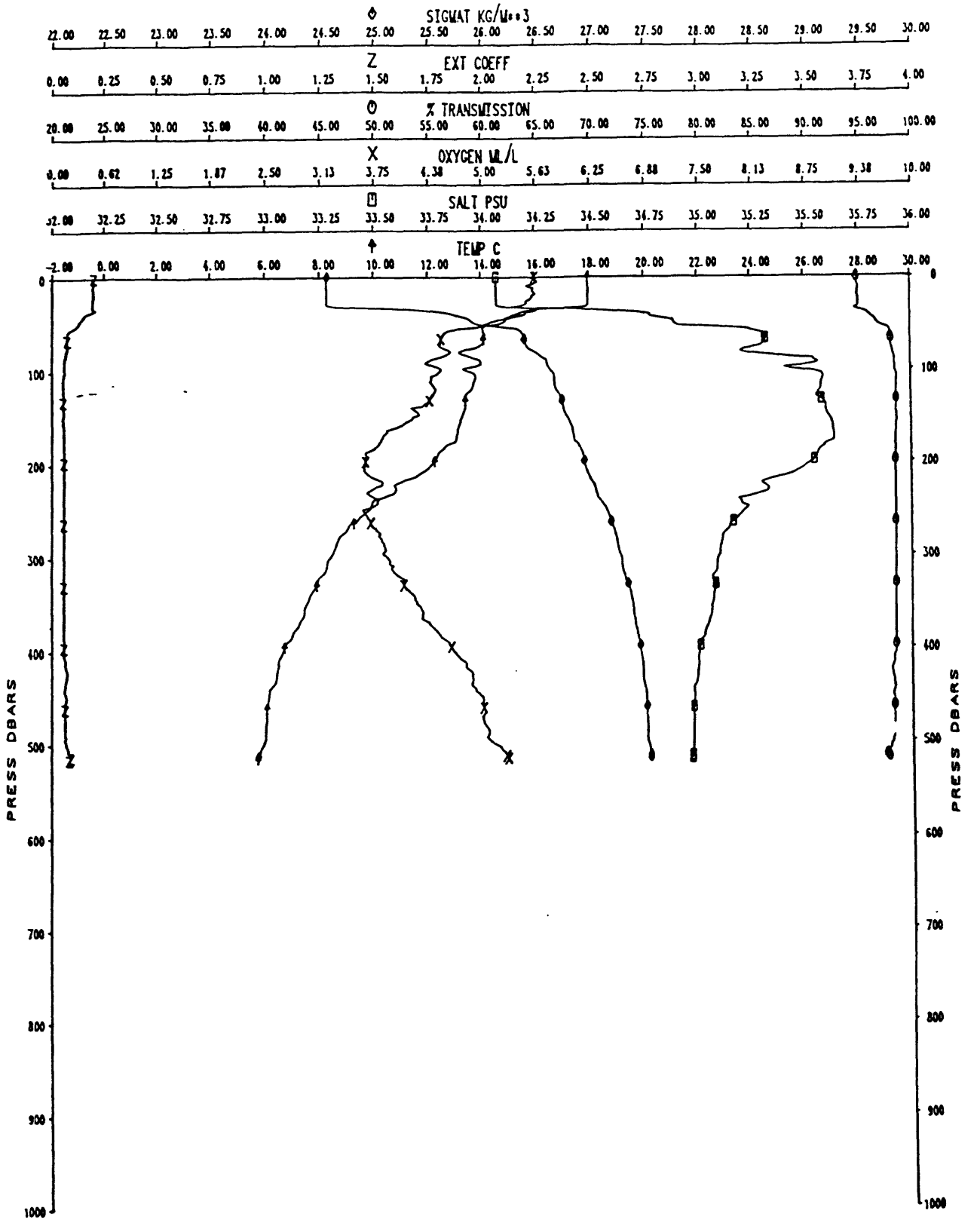


Figure 25.

OC140A CAST #16

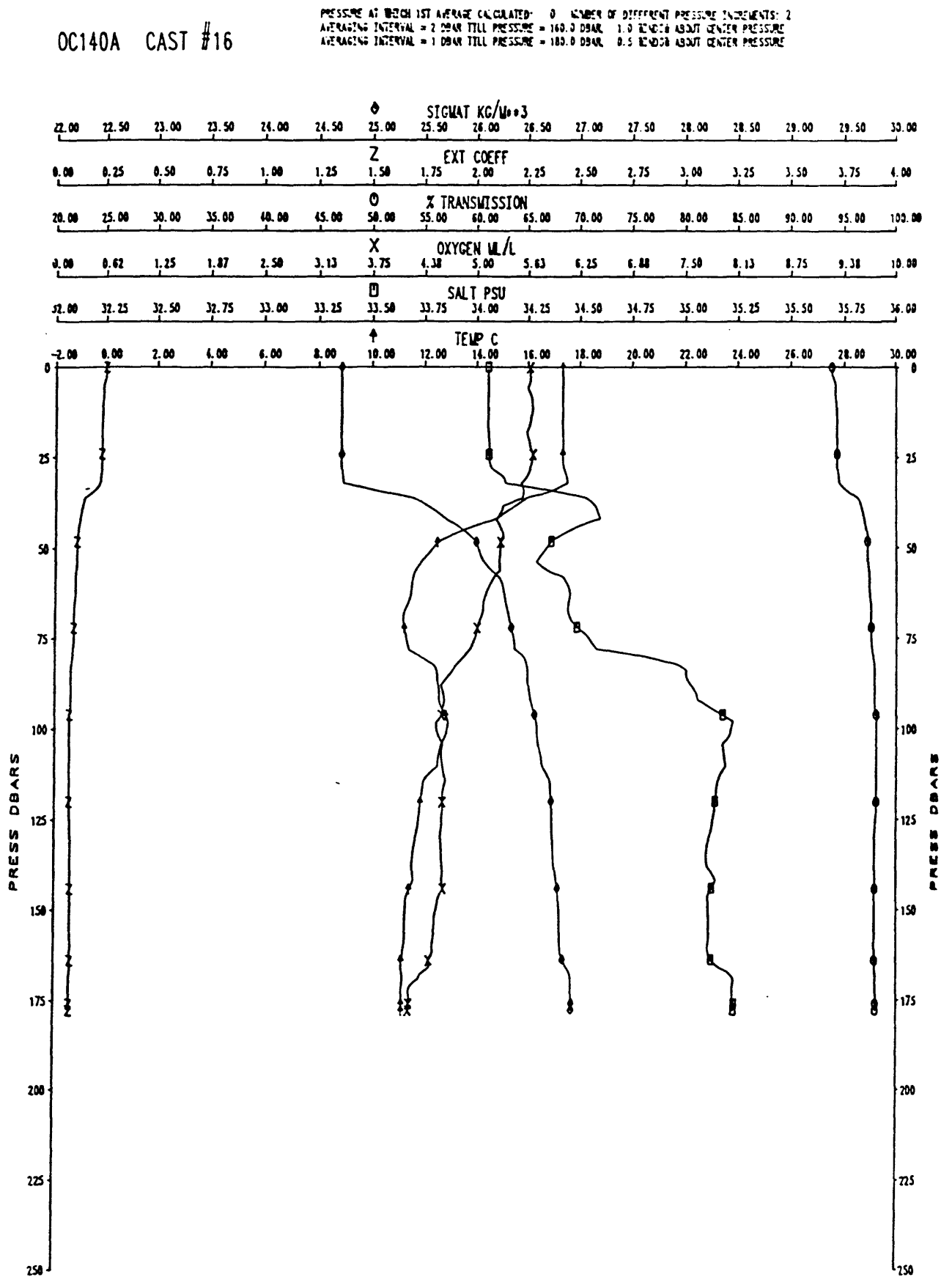


Figure 26.

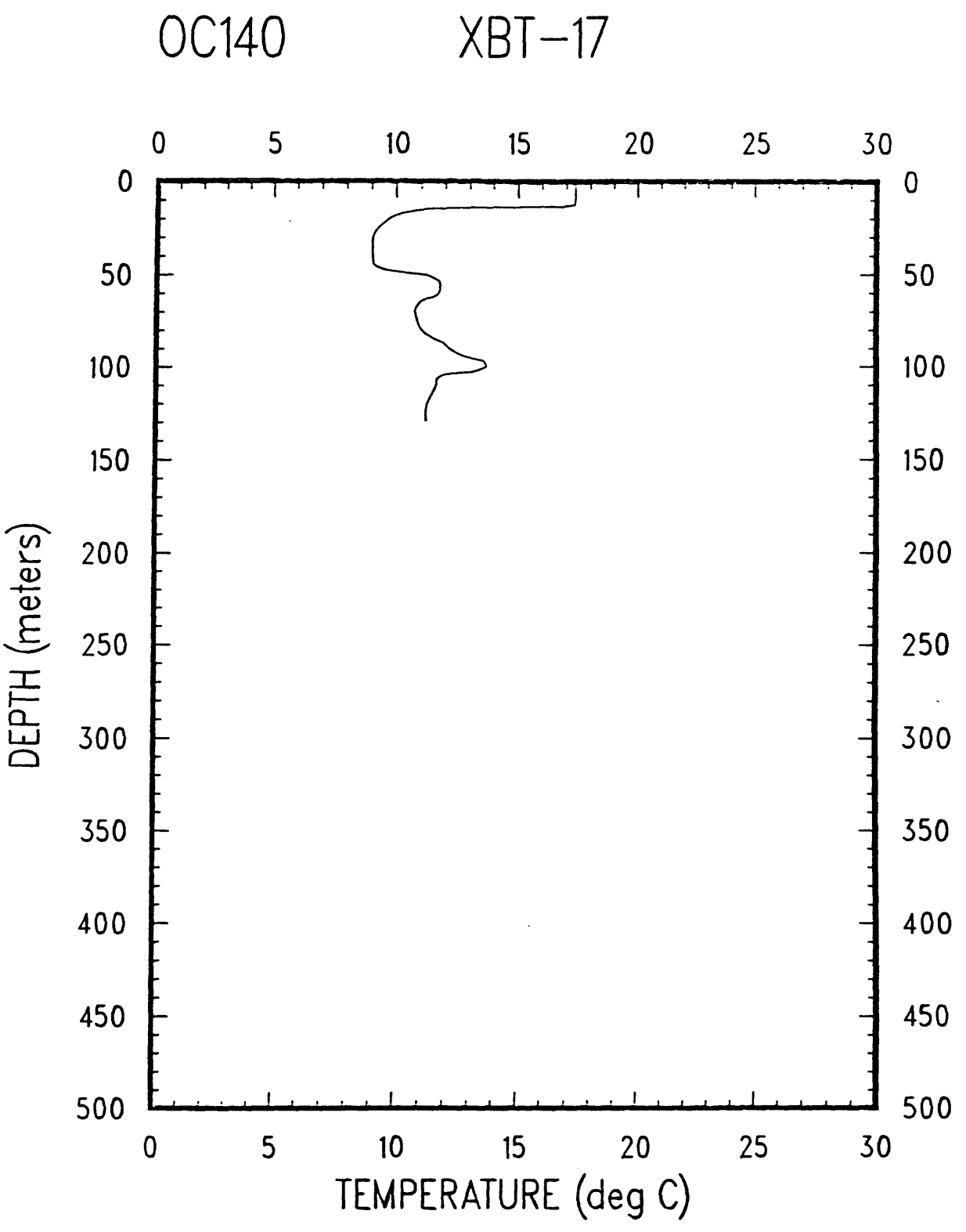

OC140
XBT-17
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 27.

OC140A CAST #18

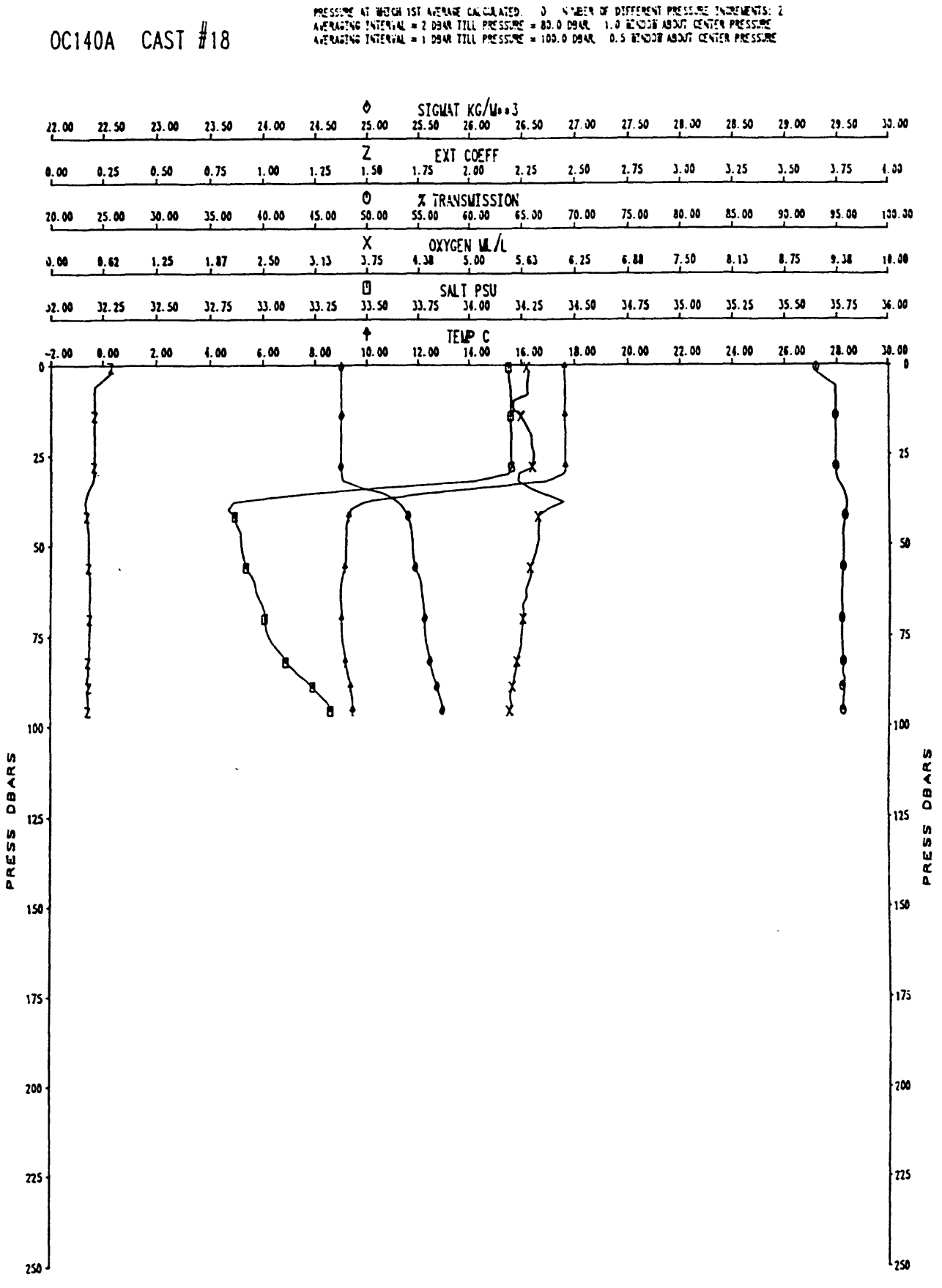


Figure 28.

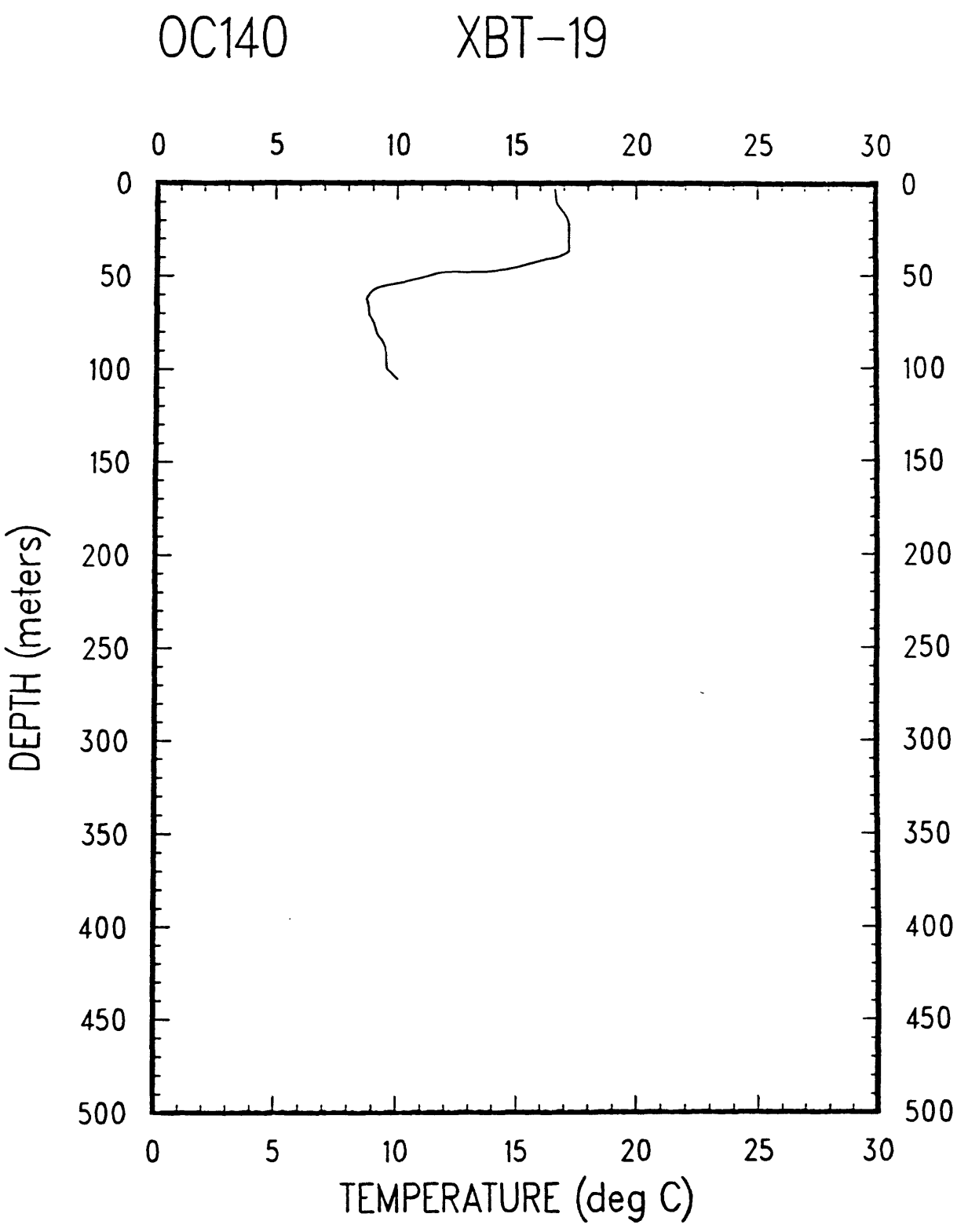

OC140
XBT-19
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 29.

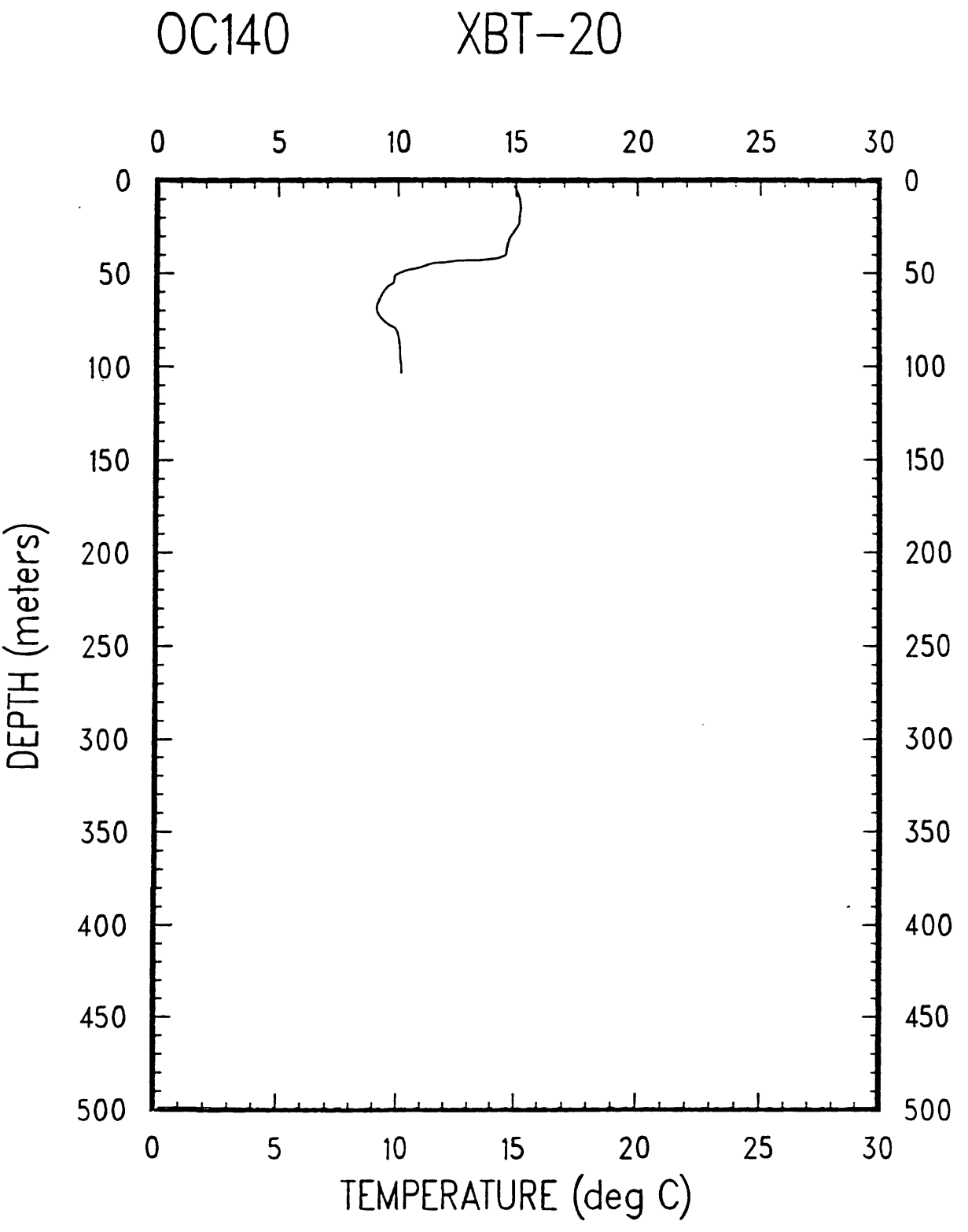

OC140
XBT-20
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 30.

OC140A CAST #21

PRESSURE AT WHICH 1ST AVERAGE CALCULATED: 0 NUMBER OF DIFFERENT PRESSURE INCREMENTS: 2
AVERAGING INTERVAL = 2 DBAR TILL PRESSURE = 50.0 DBAR, 1.0 MEANS ABOUT CENTER PRESSURE
AVERAGING INTERVAL = 1 DBAR TILL PRESSURE = 70.0 DBAR, 0.5 MEANS ABOUT CENTER PRESSURE

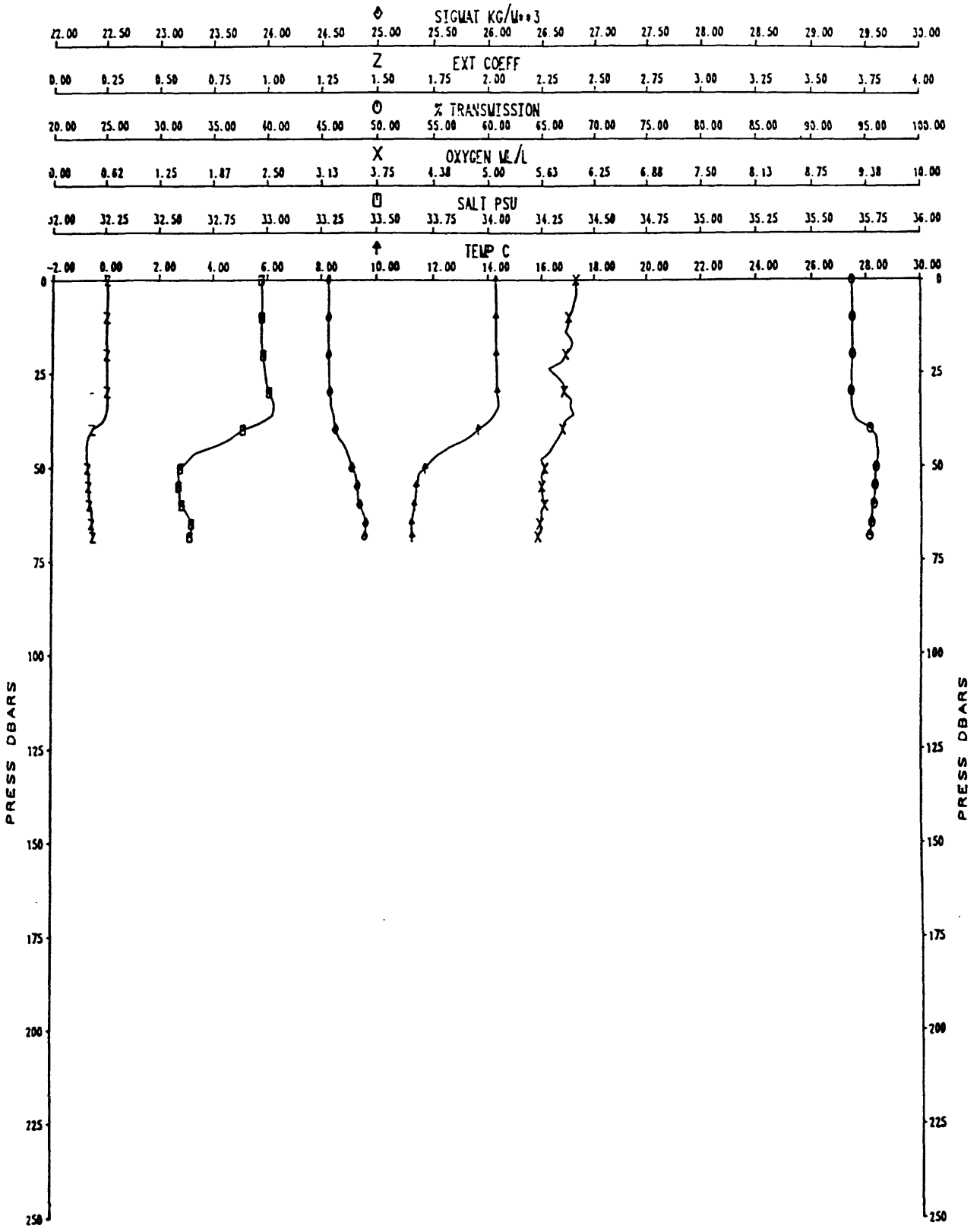


Figure 31.

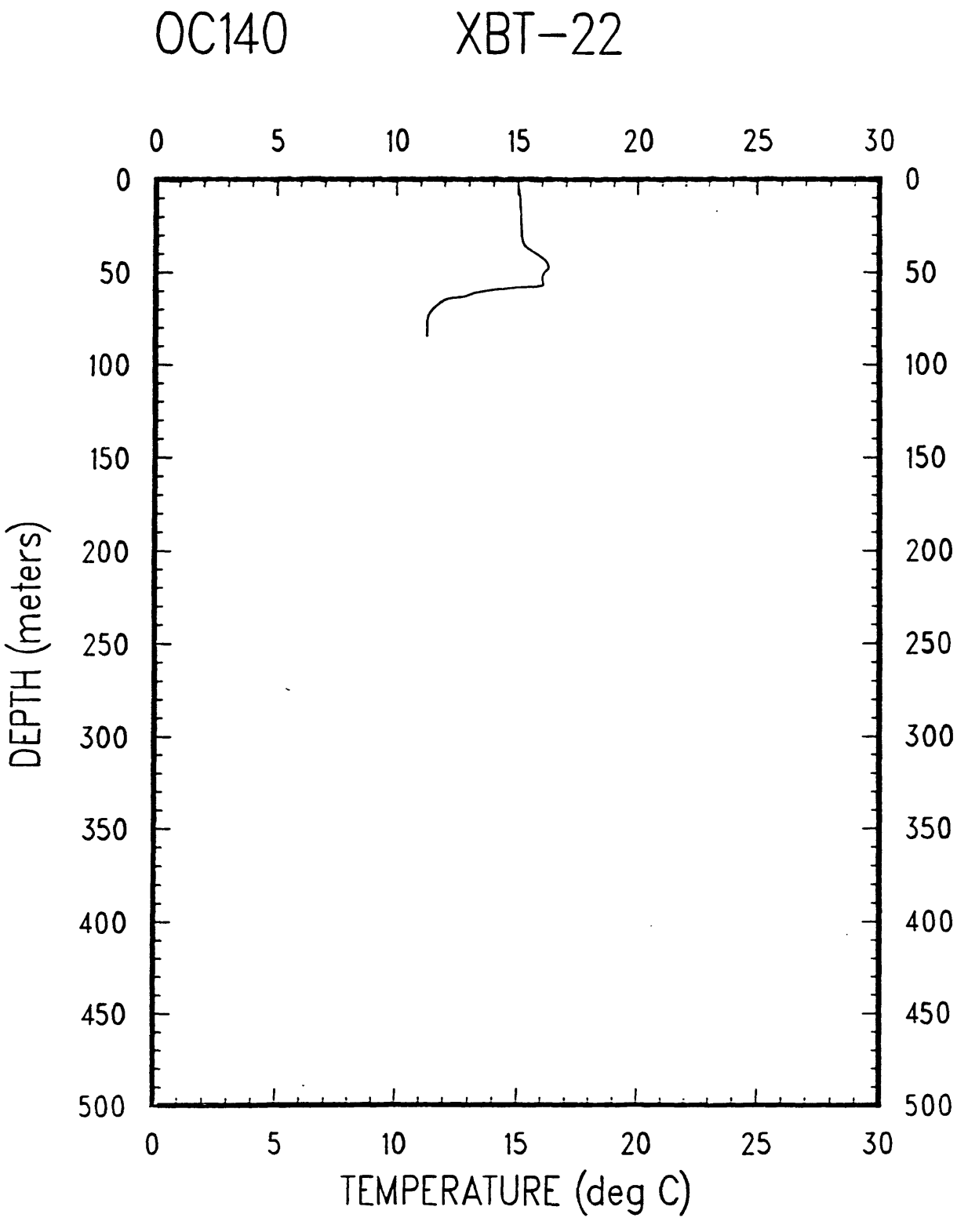

OC140
XBT-22
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 32.

OC140A CAST #23

PRESSURE AT WHICH 1ST AVERAGE CALCULATED: 0 NUMBER OF DIFFERENT PRESSURE INCREMENTS: 2
AVERAGING INTERVAL = 2 DBAR TILL PRESSURE = 80.0 DBAR 1.0 WINDOW ABOUT CENTER PRESSURE
AVERAGING INTERVAL = 1 DBAR TILL PRESSURE = 100.0 DBAR 0.5 WINDOW ABOUT CENTER PRESSURE

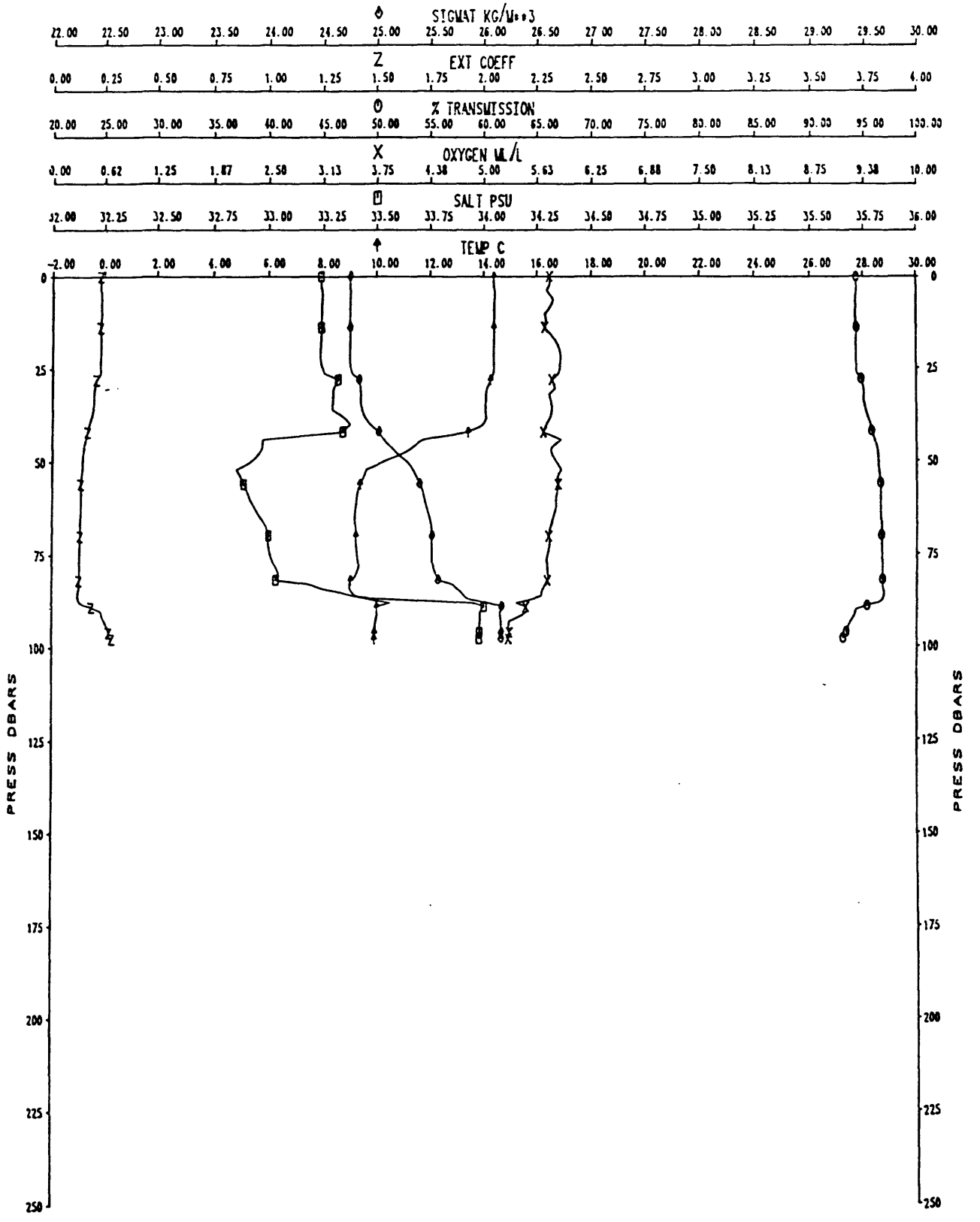


Figure 33.

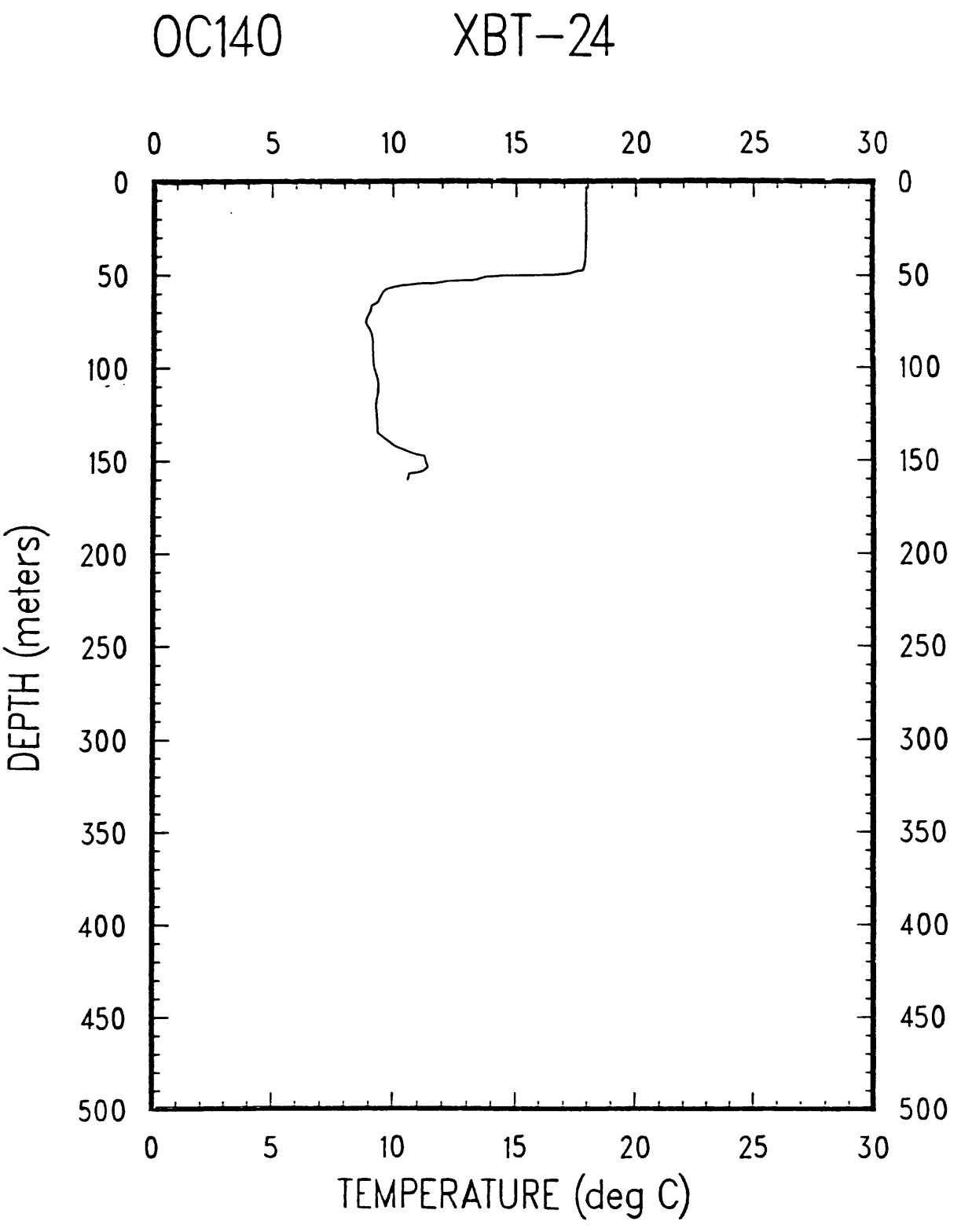

OC140
XBT-24
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 34.

OC140A CAST #25

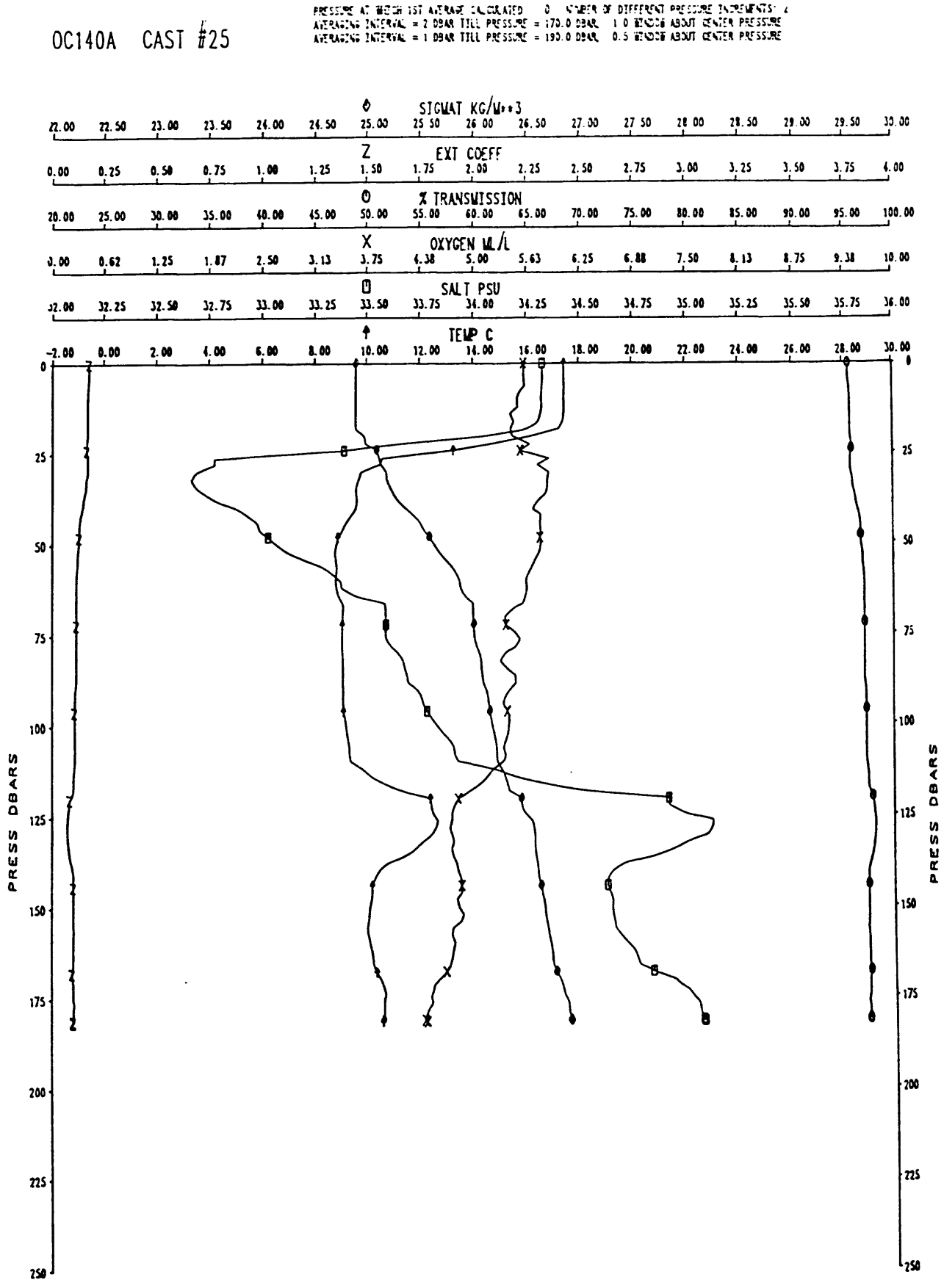


Figure 35.

OC140A CAST #26

PRESSURE AT WHICH 1ST AVERAGE CALCULATED: 0 NUMBER OF DIFFERENT PRESSURE INCREMENTS: 2
AVERAGING INTERVAL = 2 DBAR TILL PRESSURE = 760.0 DBAR 1.0 WINDOW ABOUT CENTER PRESSURE
AVERAGING INTERVAL = 1 DBAR TILL PRESSURE = 780.0 DBAR 0.5 WINDOW ABOUT CENTER PRESSURE

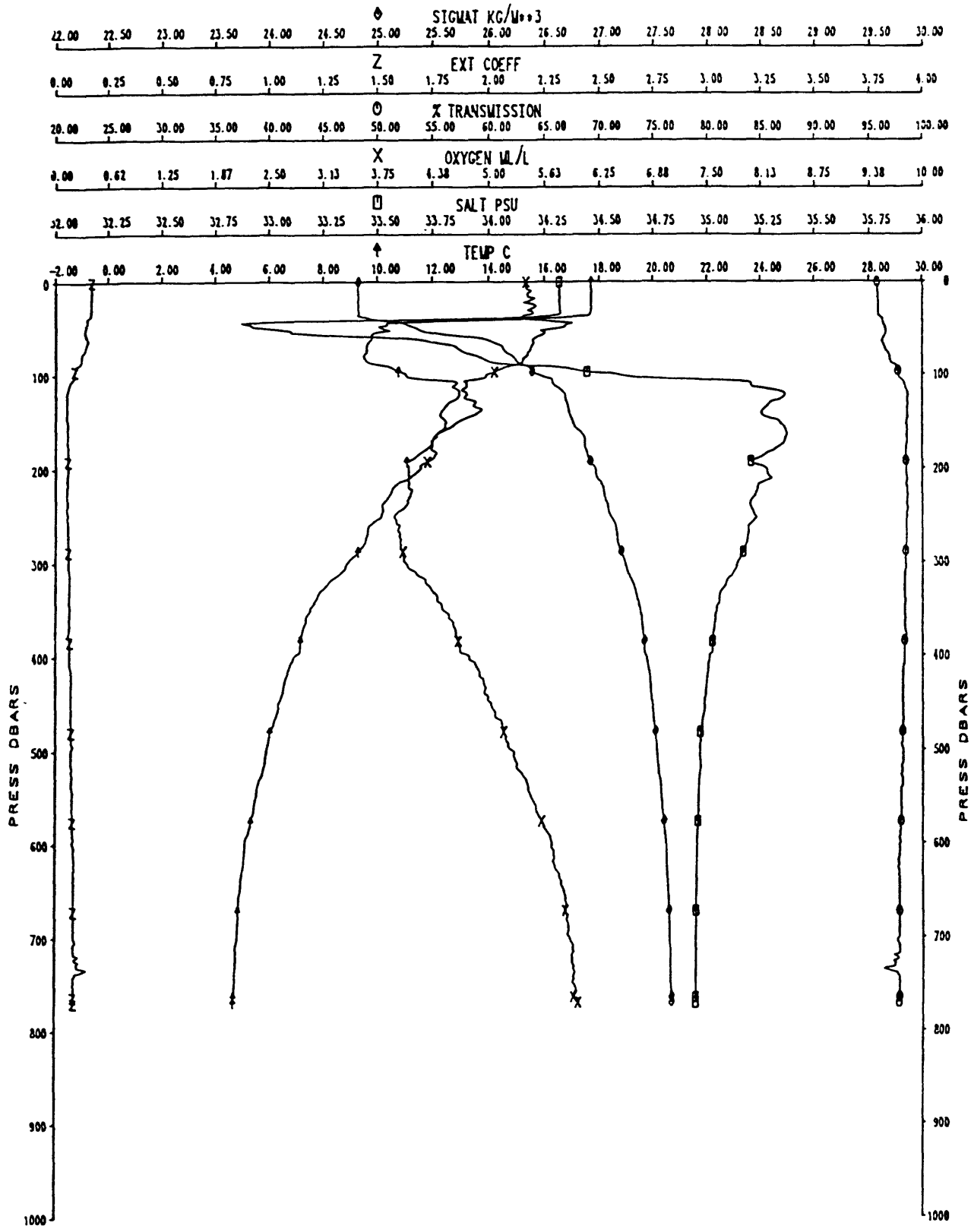


Figure 36.

OC140A CAST #27

PRESSURE AT WHICH 1ST AVERAGE CALCULATED 0 NUMBER OF DIFFERENT PRESSURE INCREMENTS: 2
AVERAGING INTERVAL = 2 DBAR TILL PRESSURE = 1550.0 DBAR, 1.0 WINDOW ABOUT CENTER PRESSURE
AVERAGING INTERVAL = 1 DBAR TILL PRESSURE = 1570.0 DBAR, 0.5 WINDOW ABOUT CENTER PRESSURE

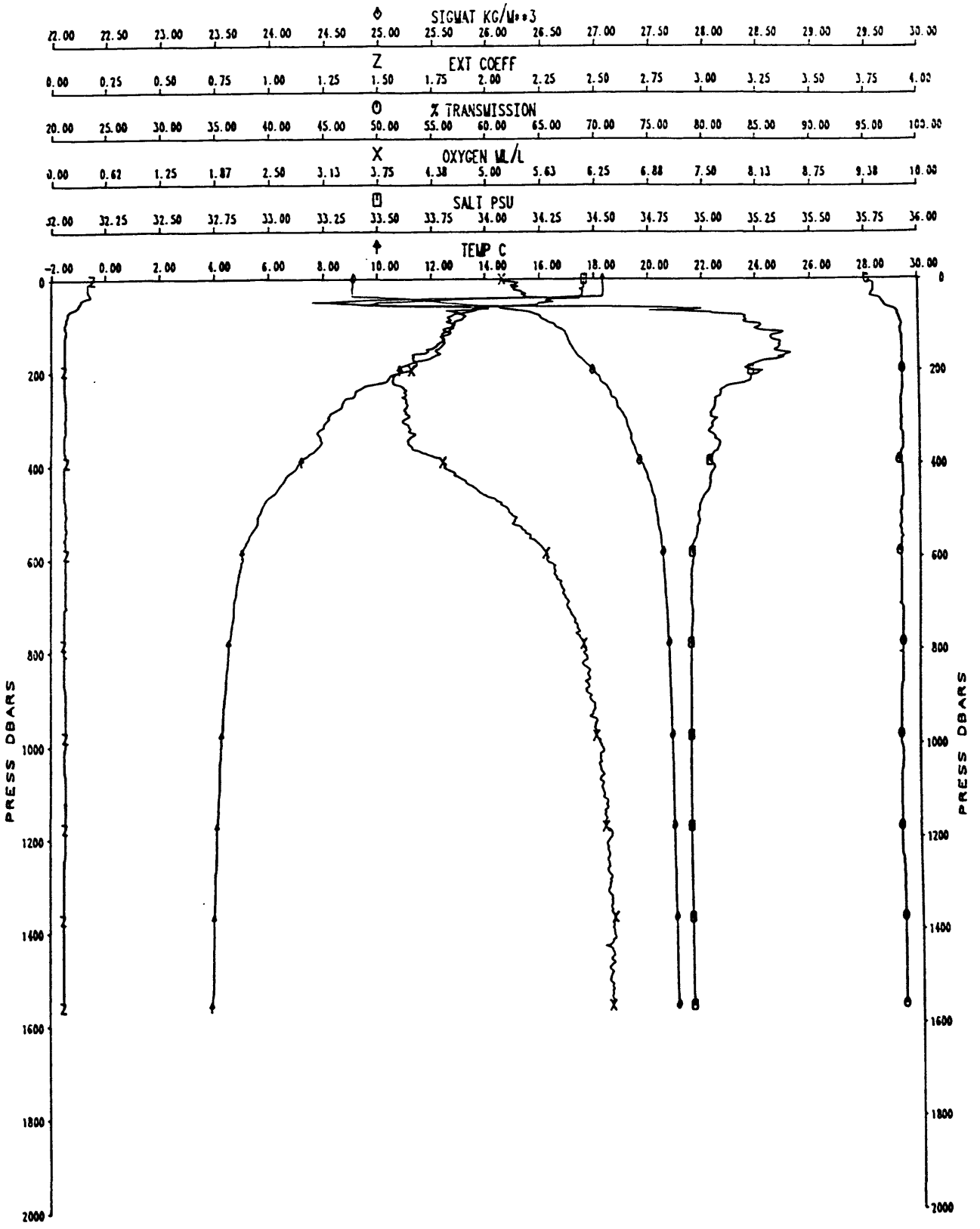


Figure 37.

OC140A CAST #27

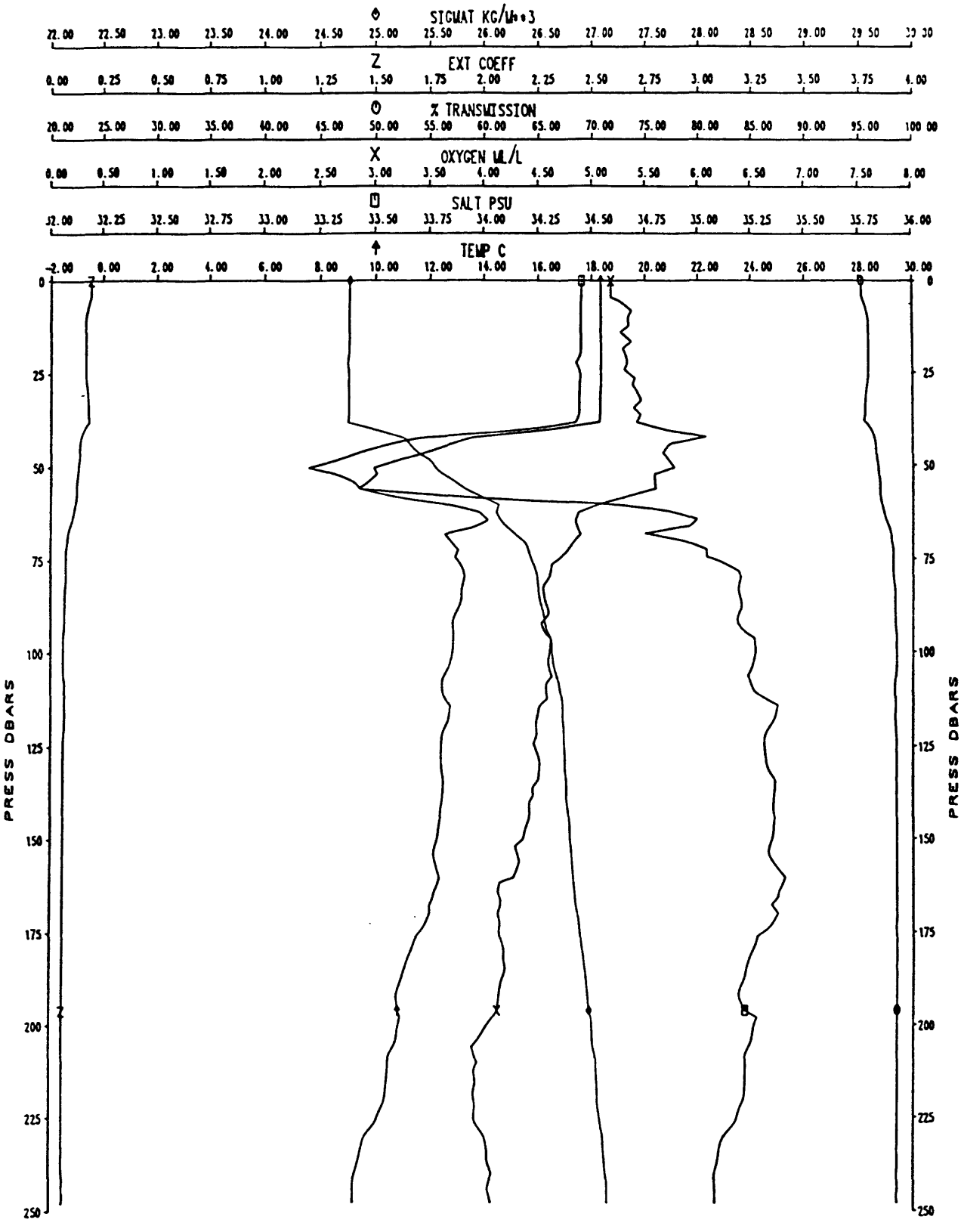


Figure 38.

OC140A CAST #28

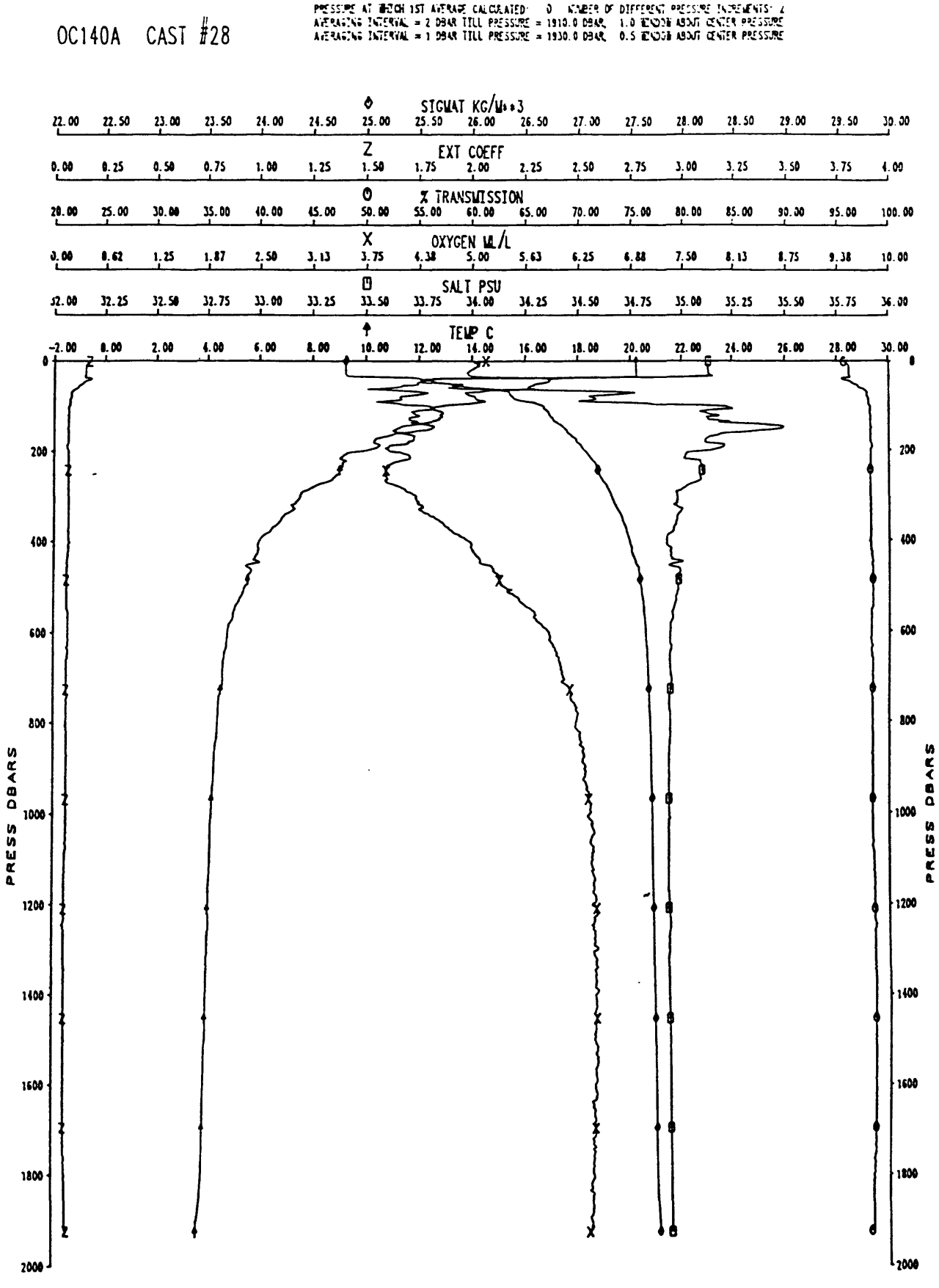


Figure 39.

OC140A CAST #28

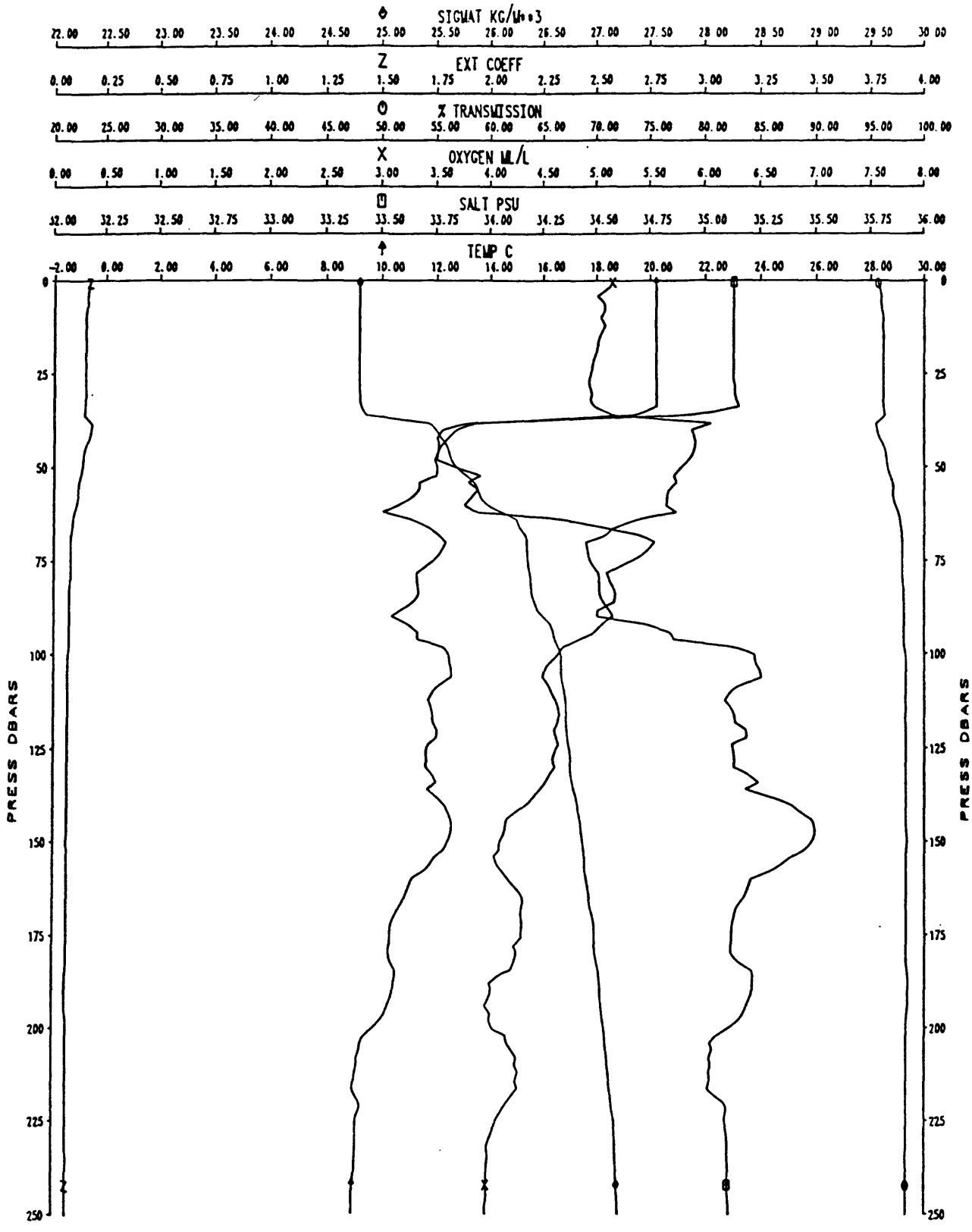


Figure 40.

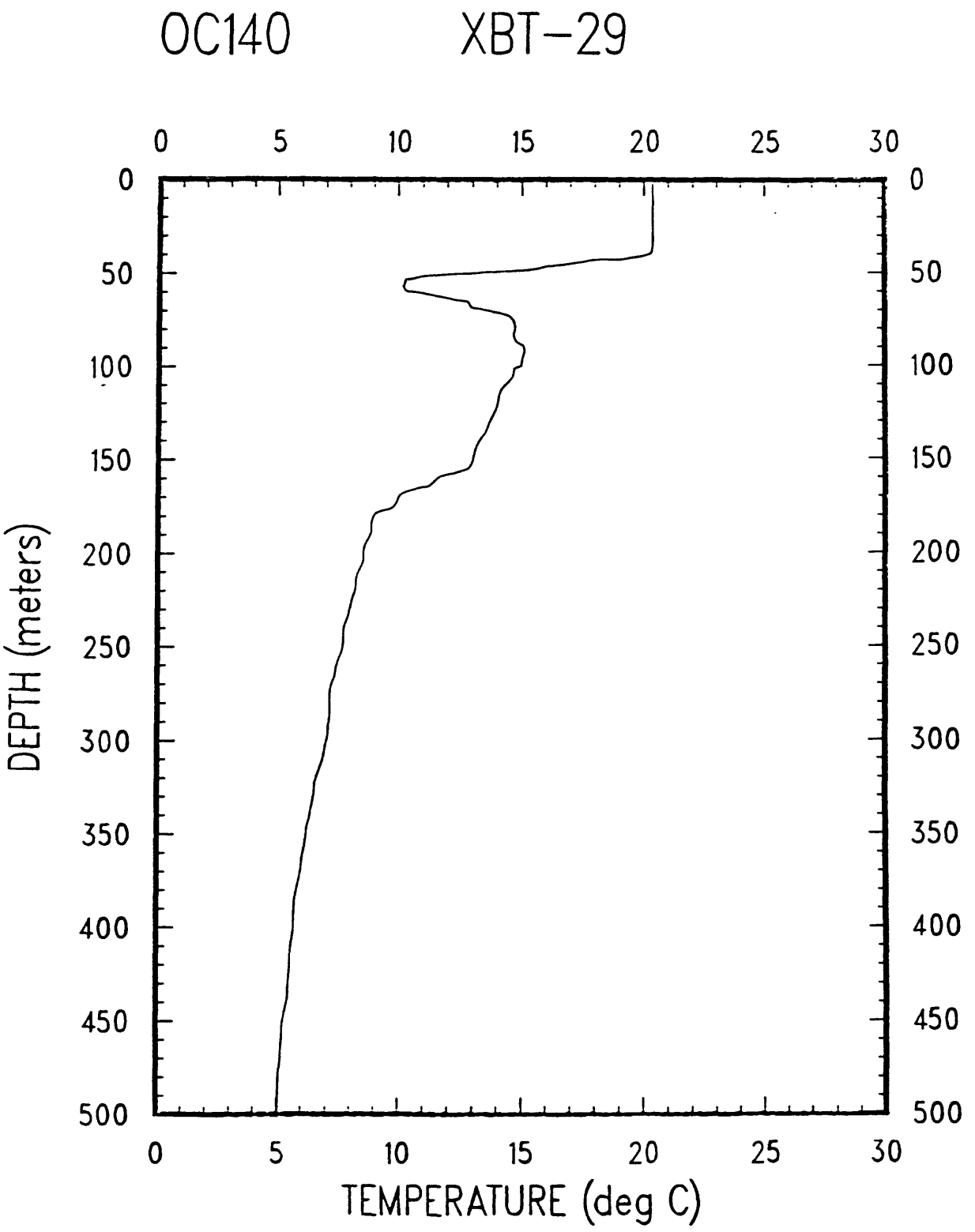

OC140
XBT-29
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 41.

OC140A CAST #30

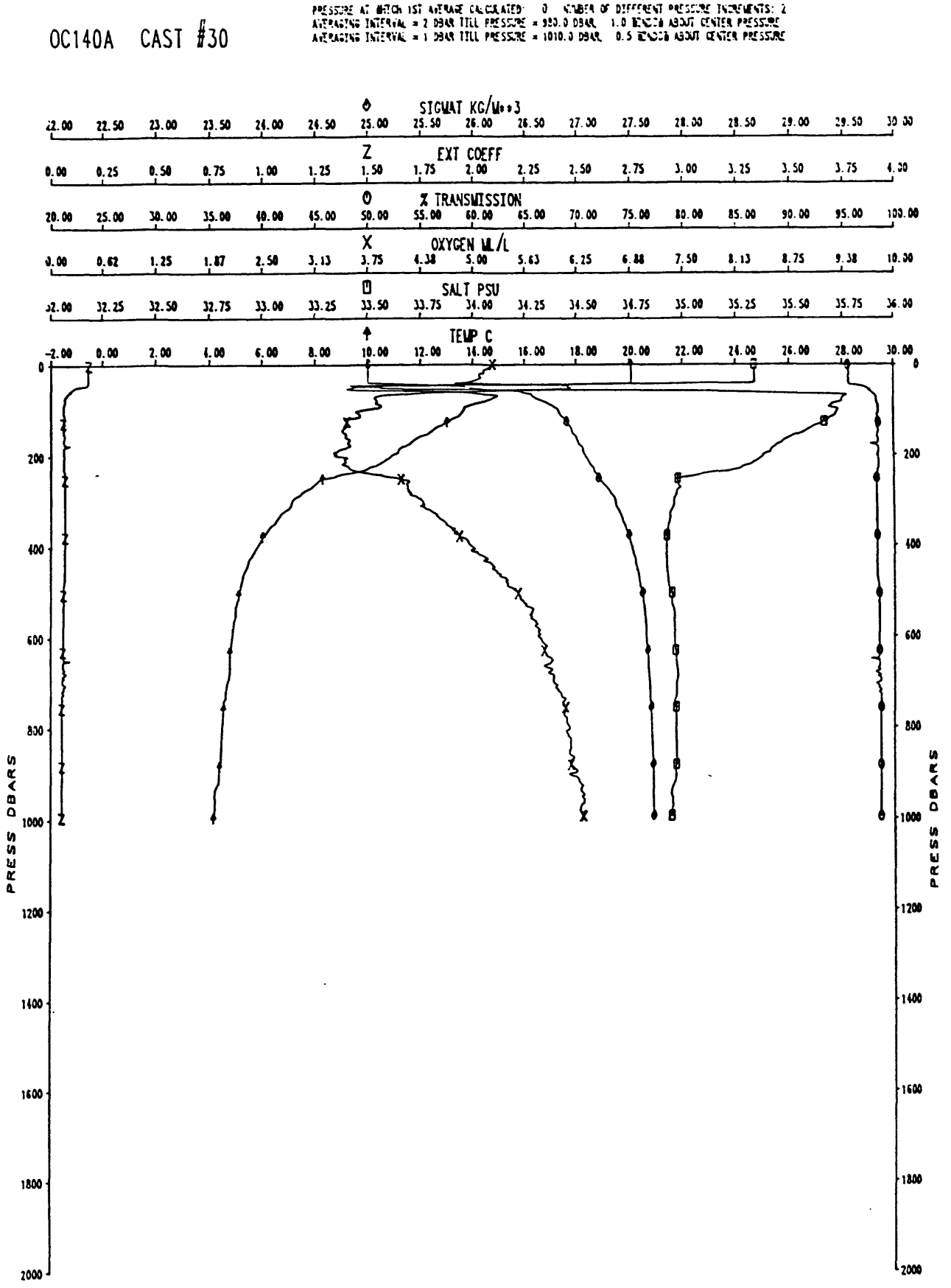


Figure 42.

OC140A CAST #30

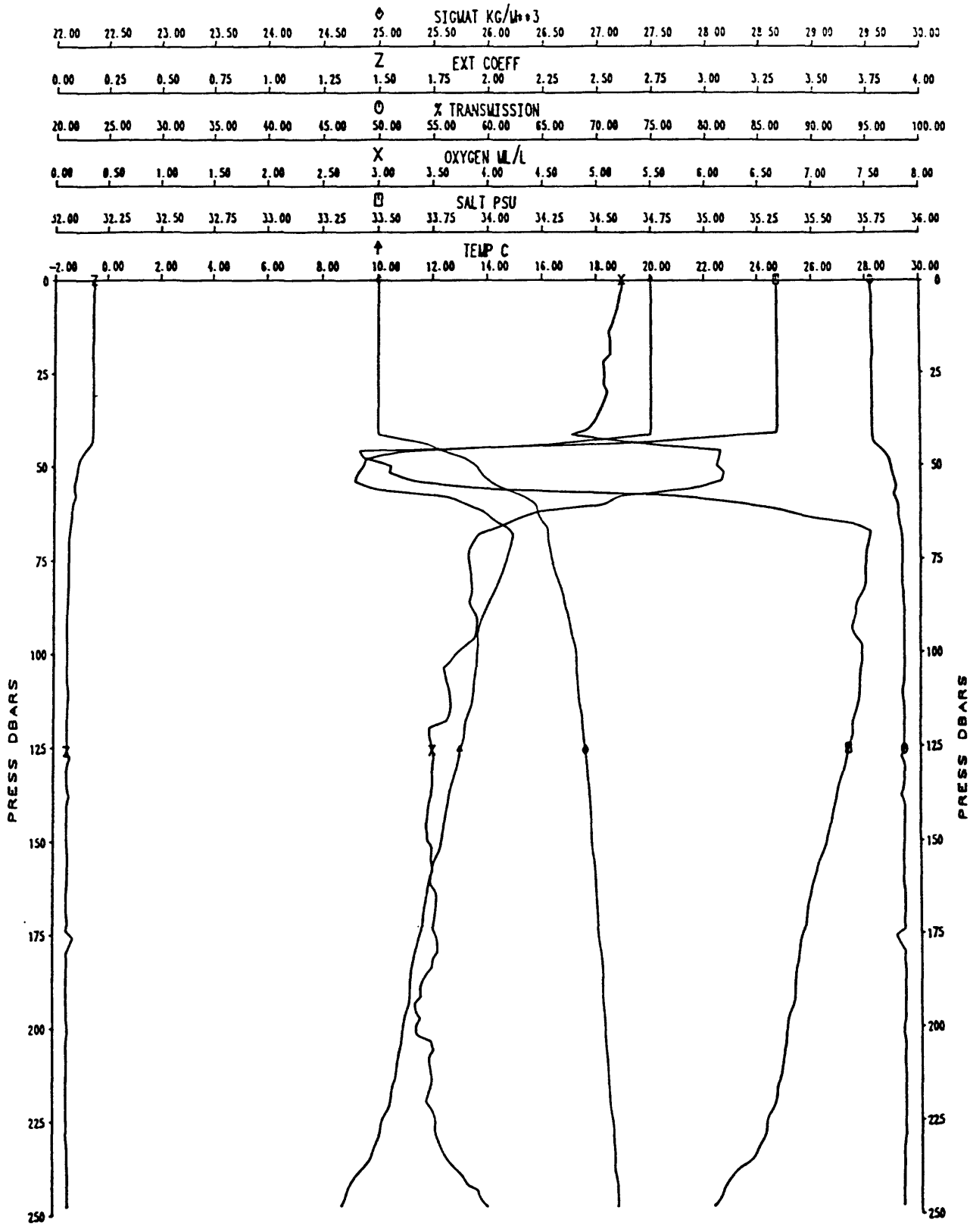


Figure 43.

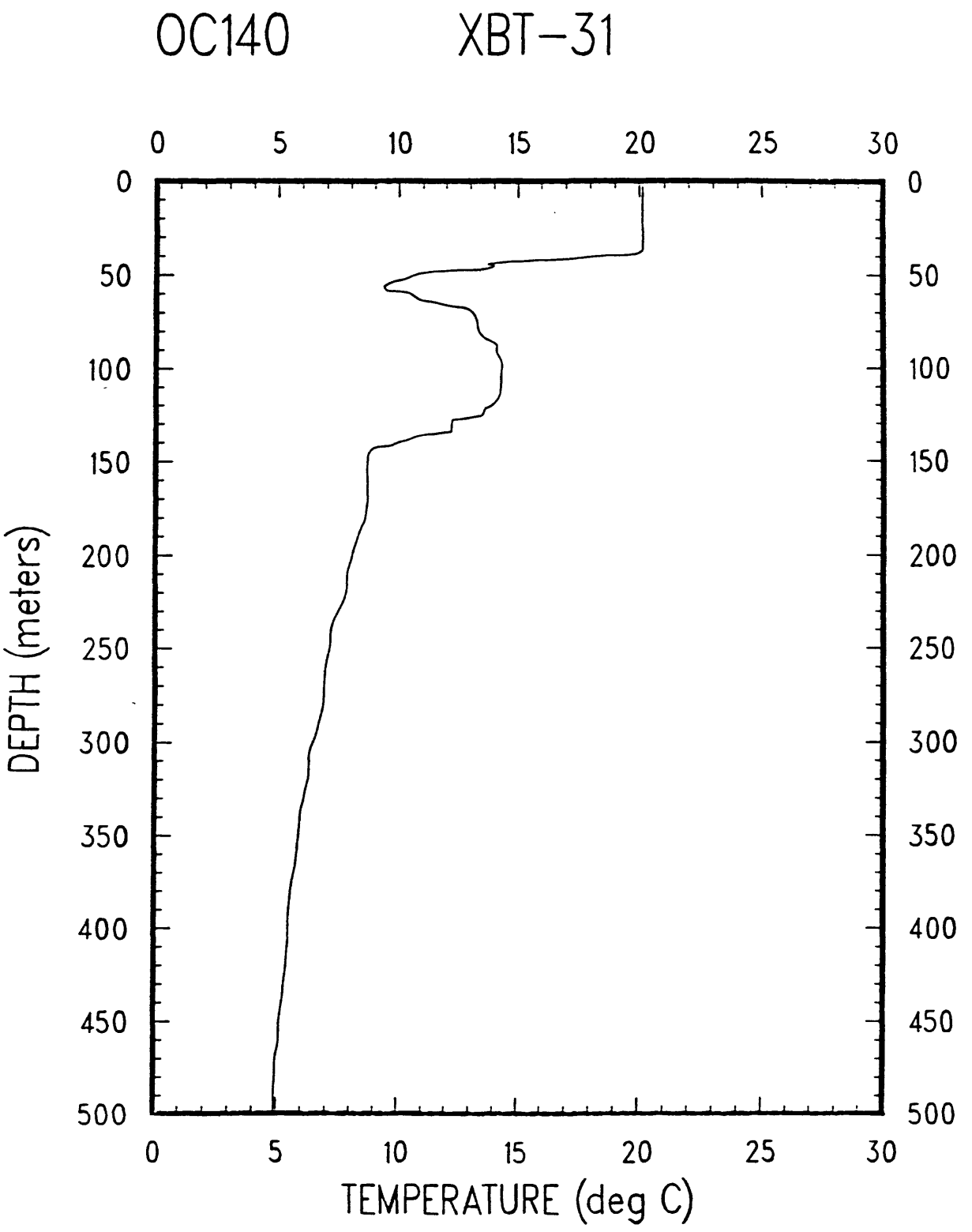

OC140
XBT-31
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 44.

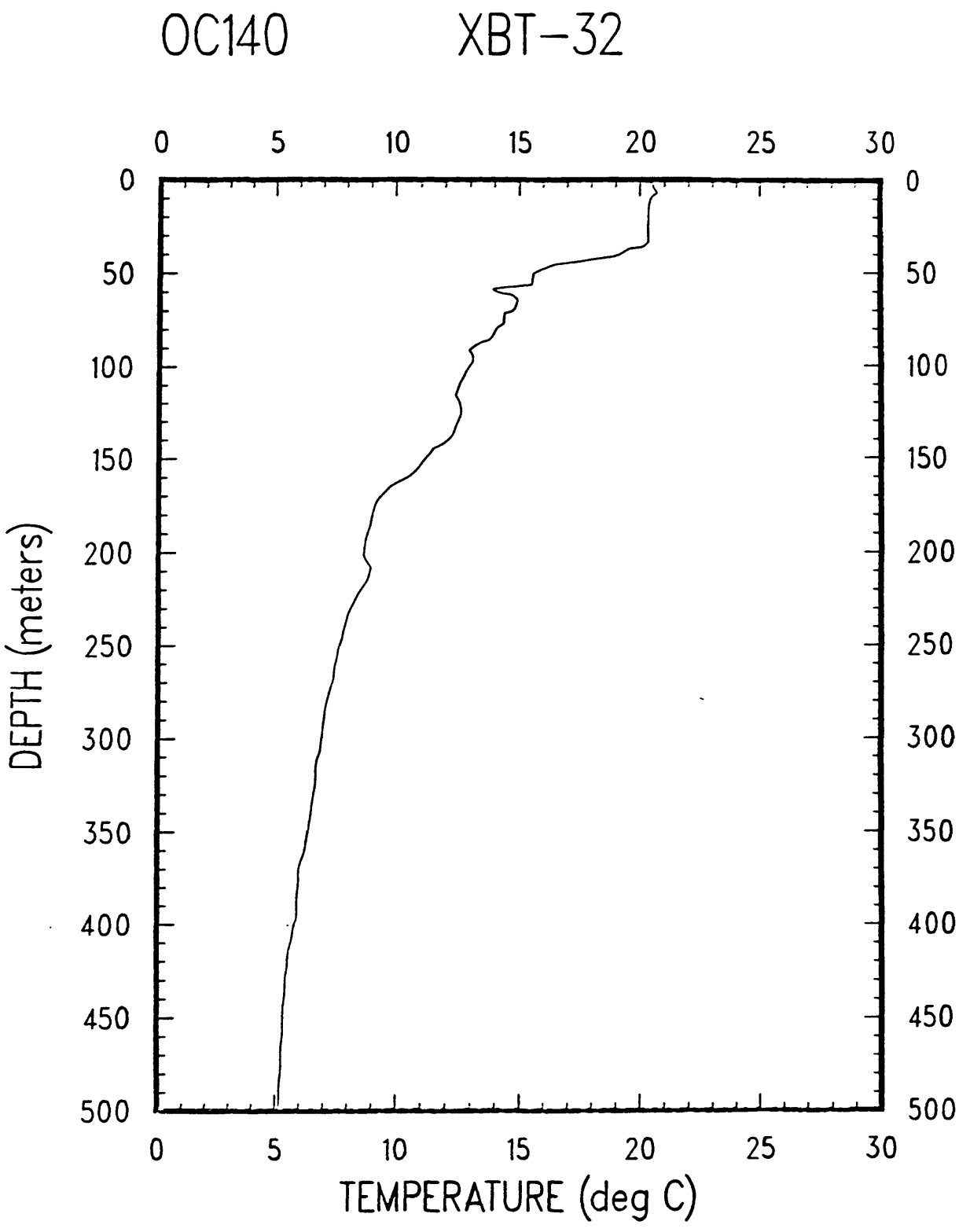

OC140
XBT-32
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 45.

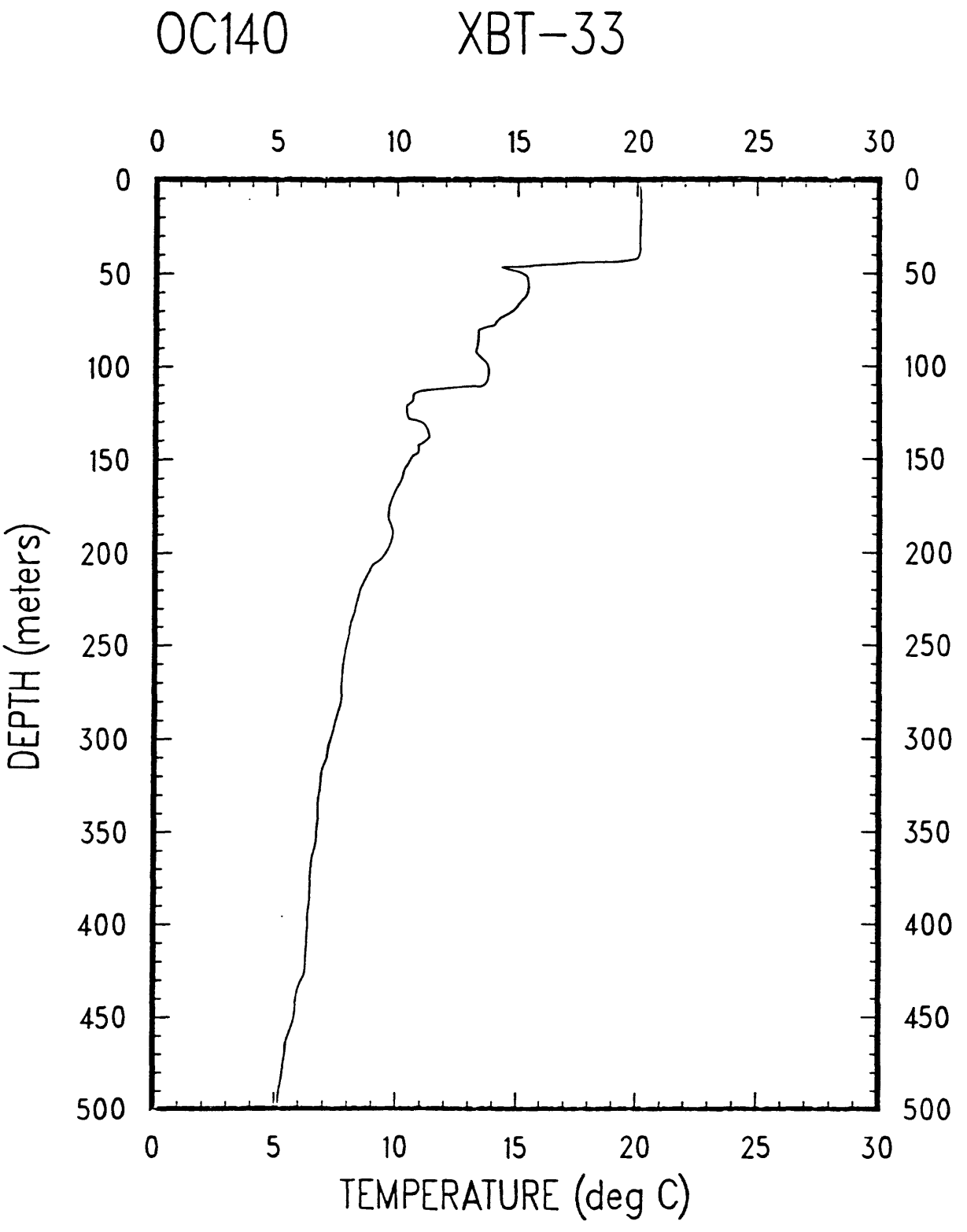

OC140 XBT-33
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 46.

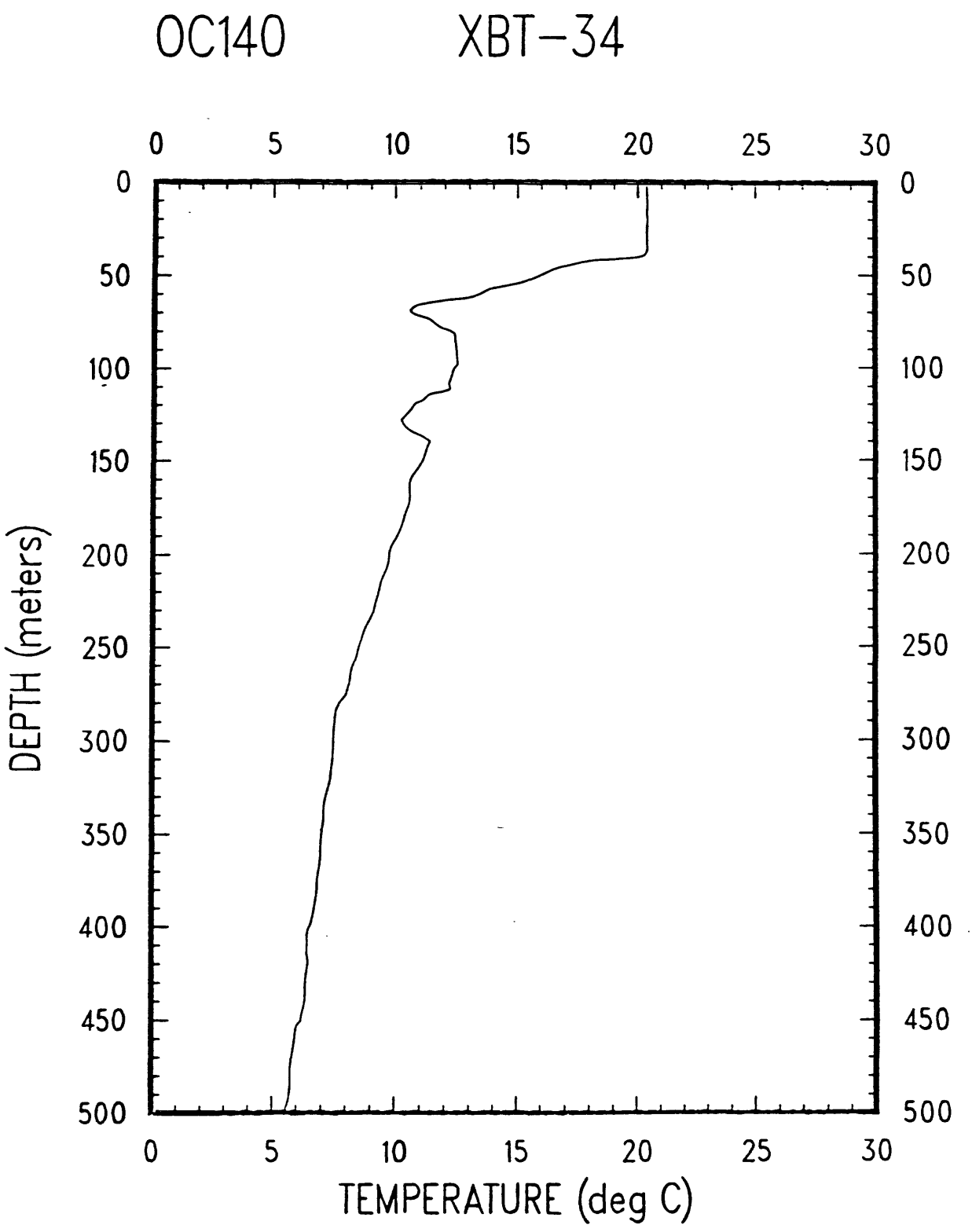

OC140
XBT-34
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 47.

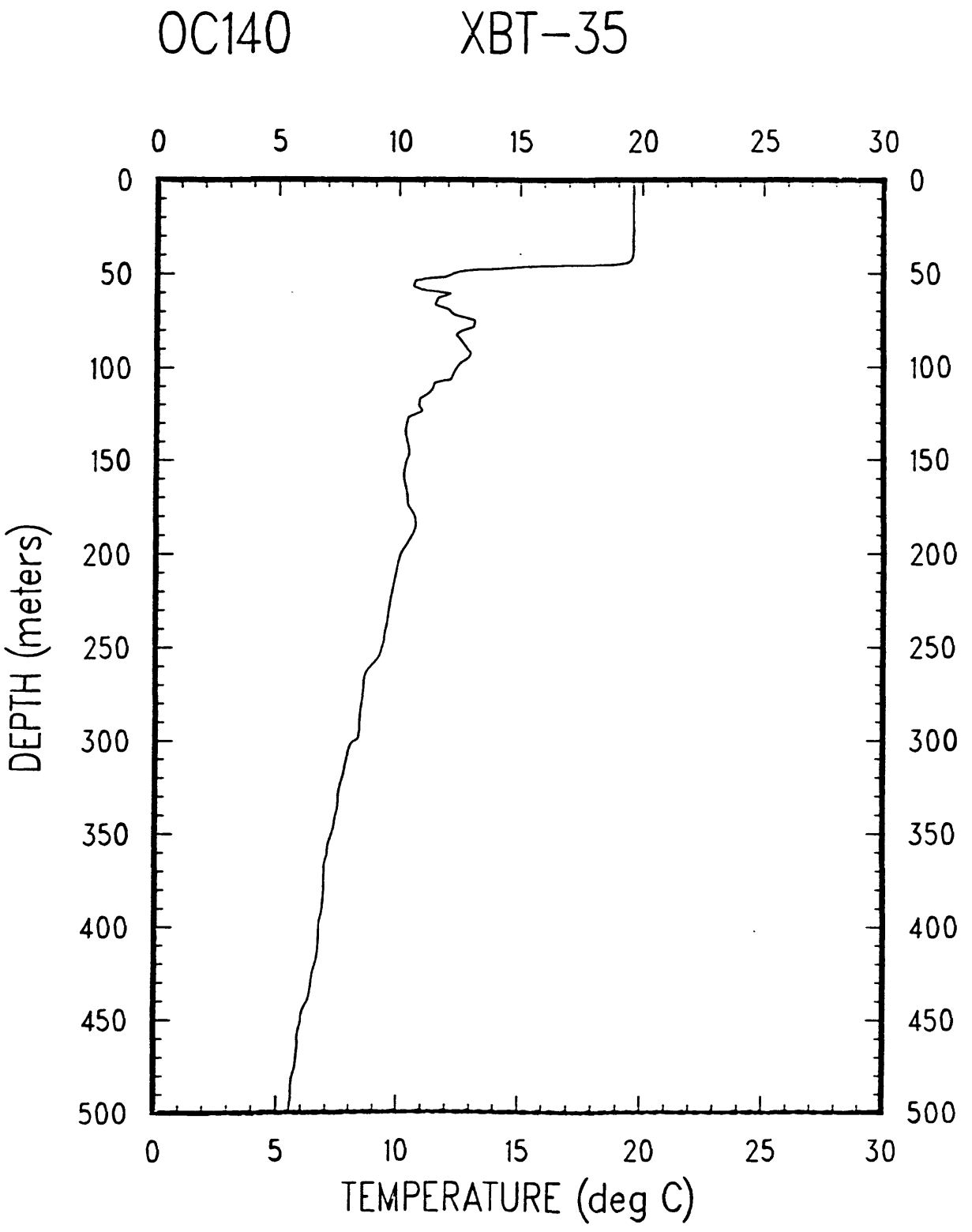

OC140
XBT-35
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 48.

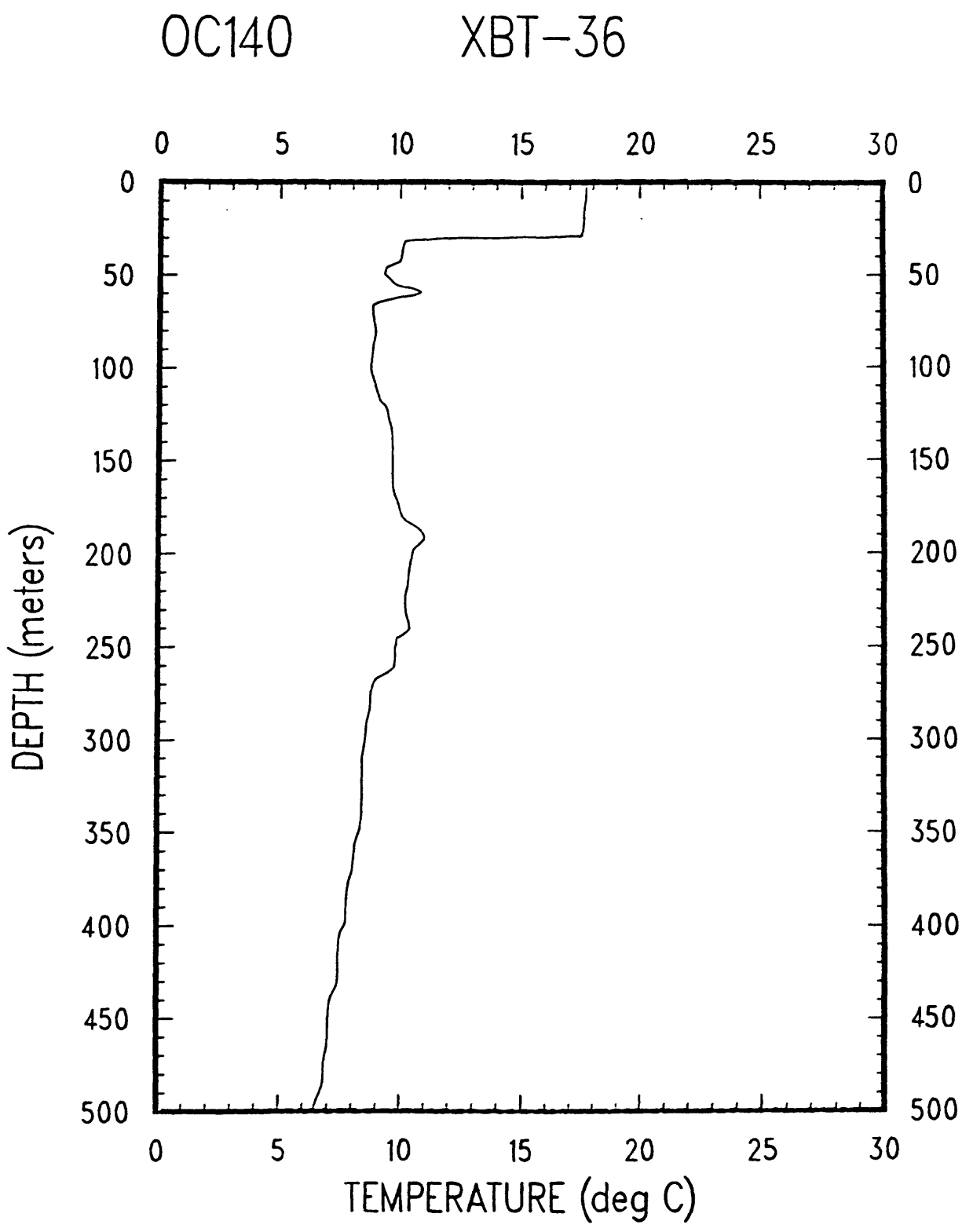

OC140
XBT-36
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 49.

OC140A CAST #37

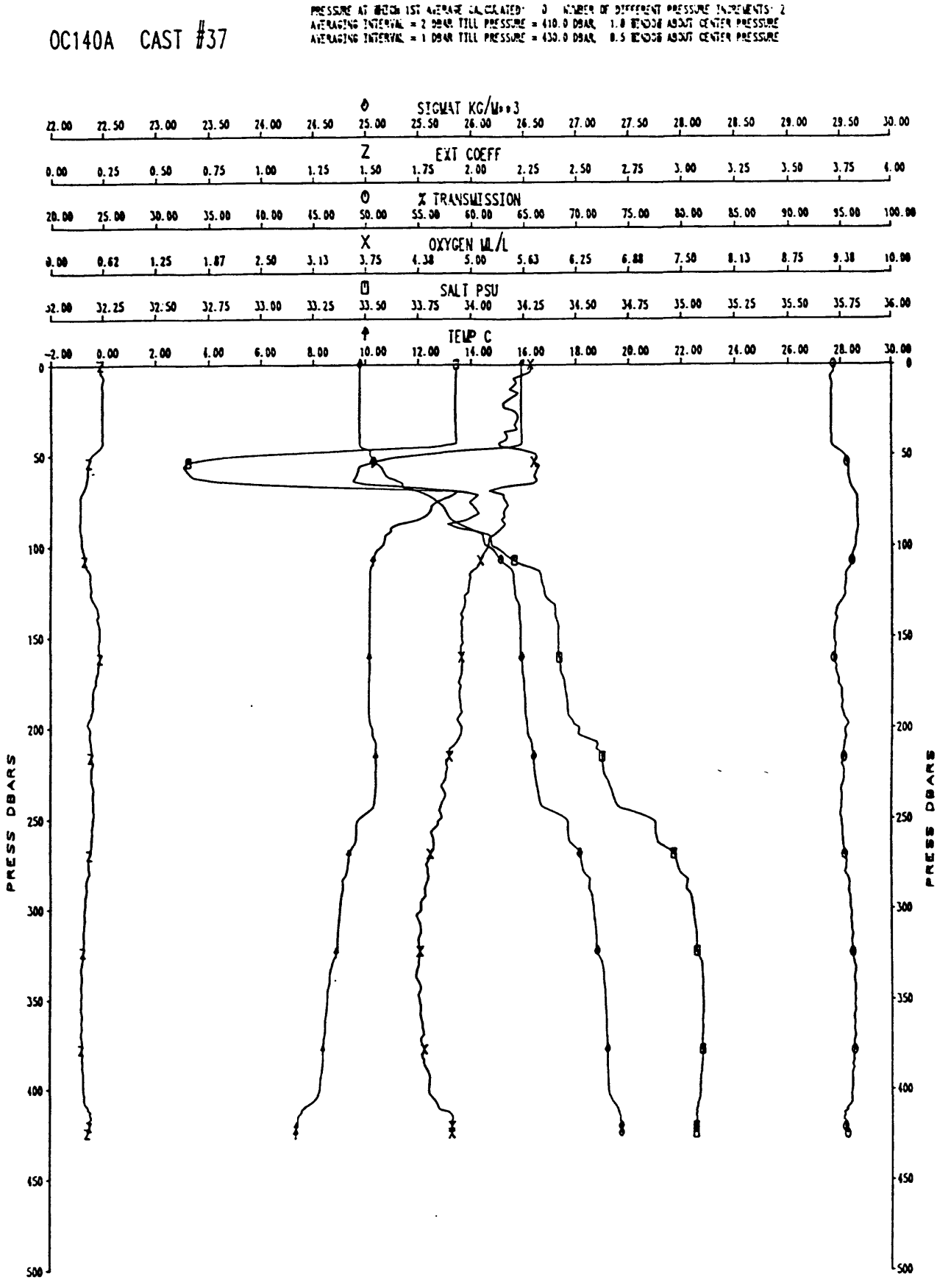


Figure 50.

OC140A CAST #38

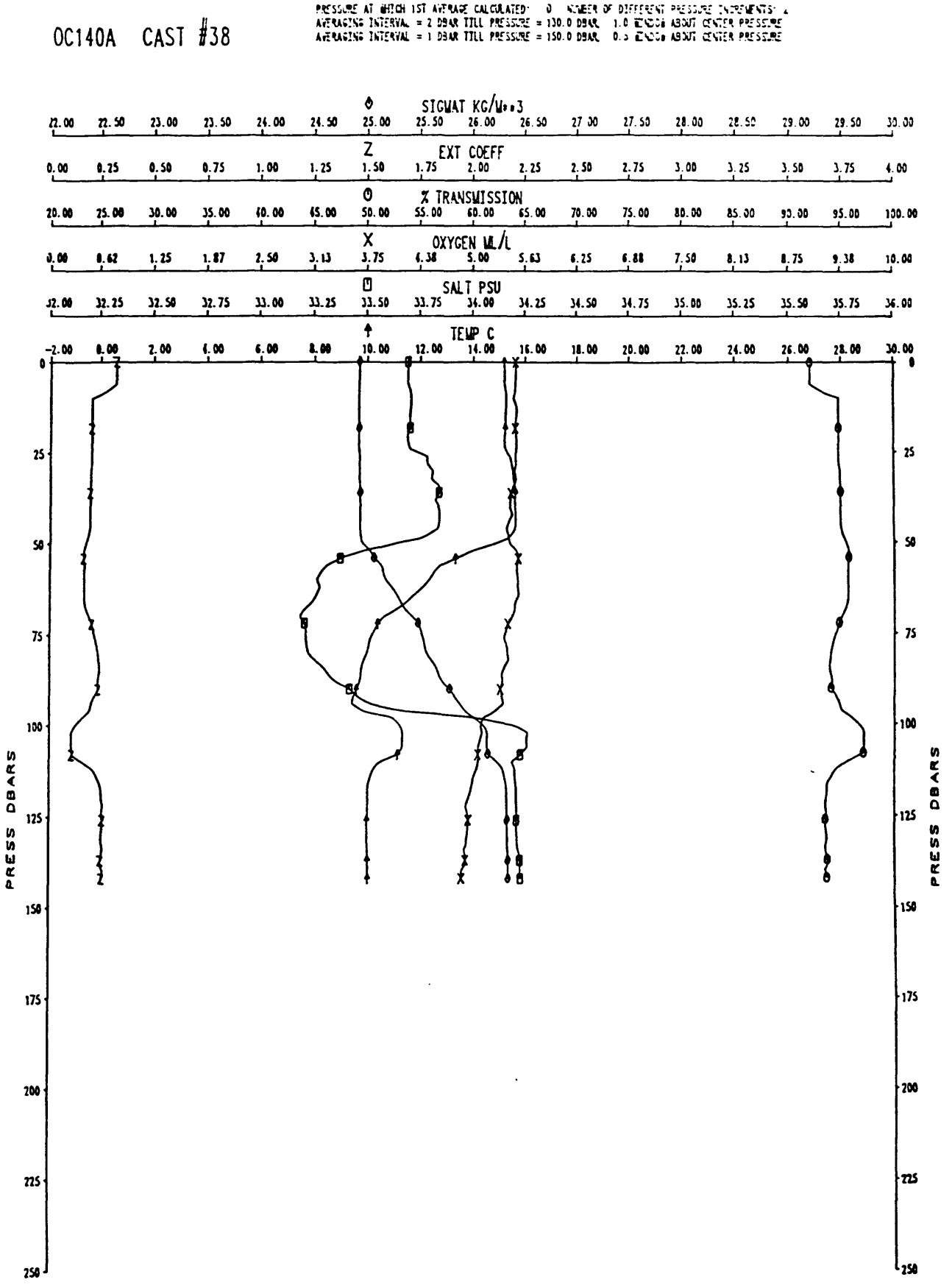


Figure 51.

OC140A CAST #39

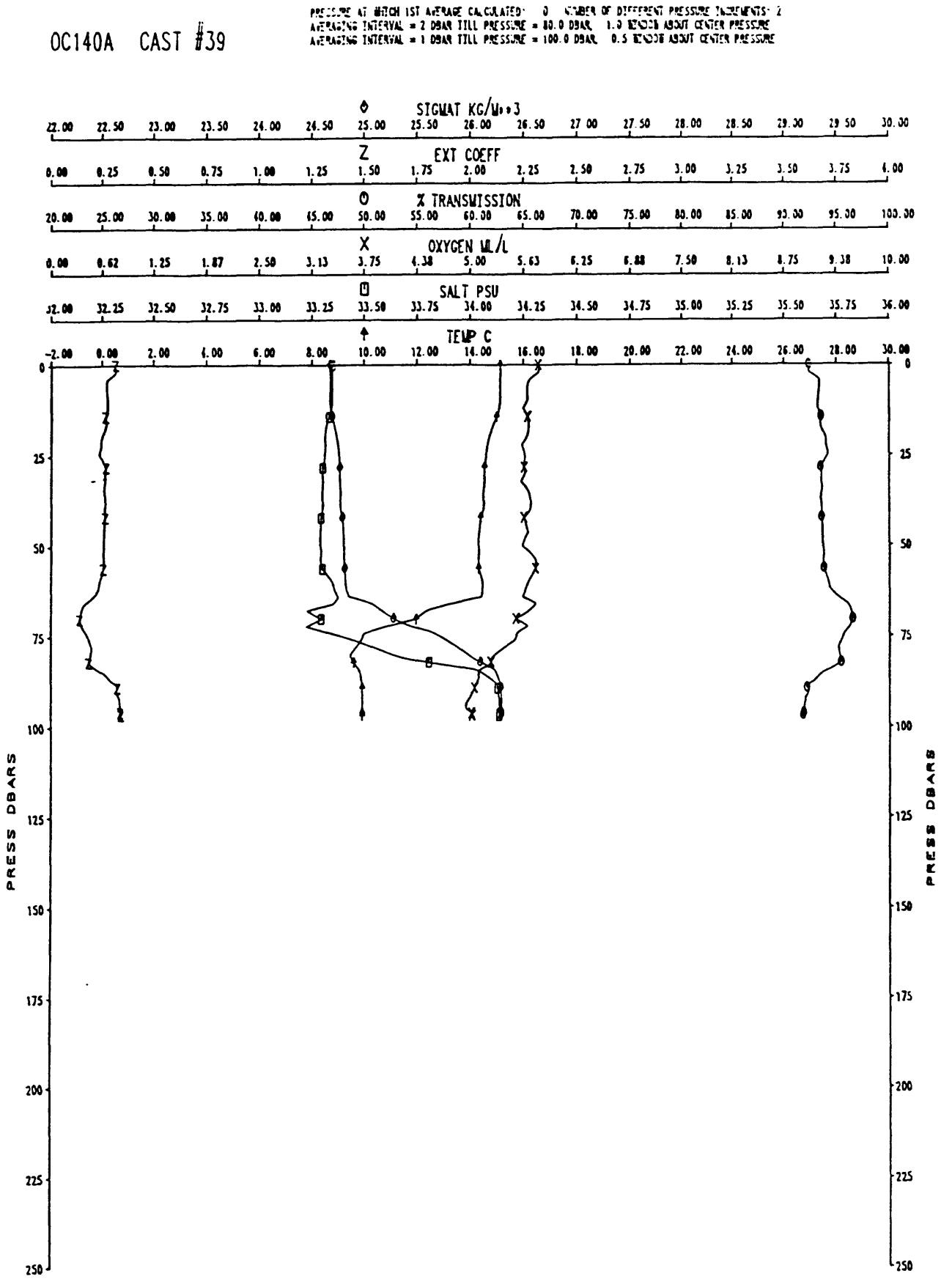


Figure 52.

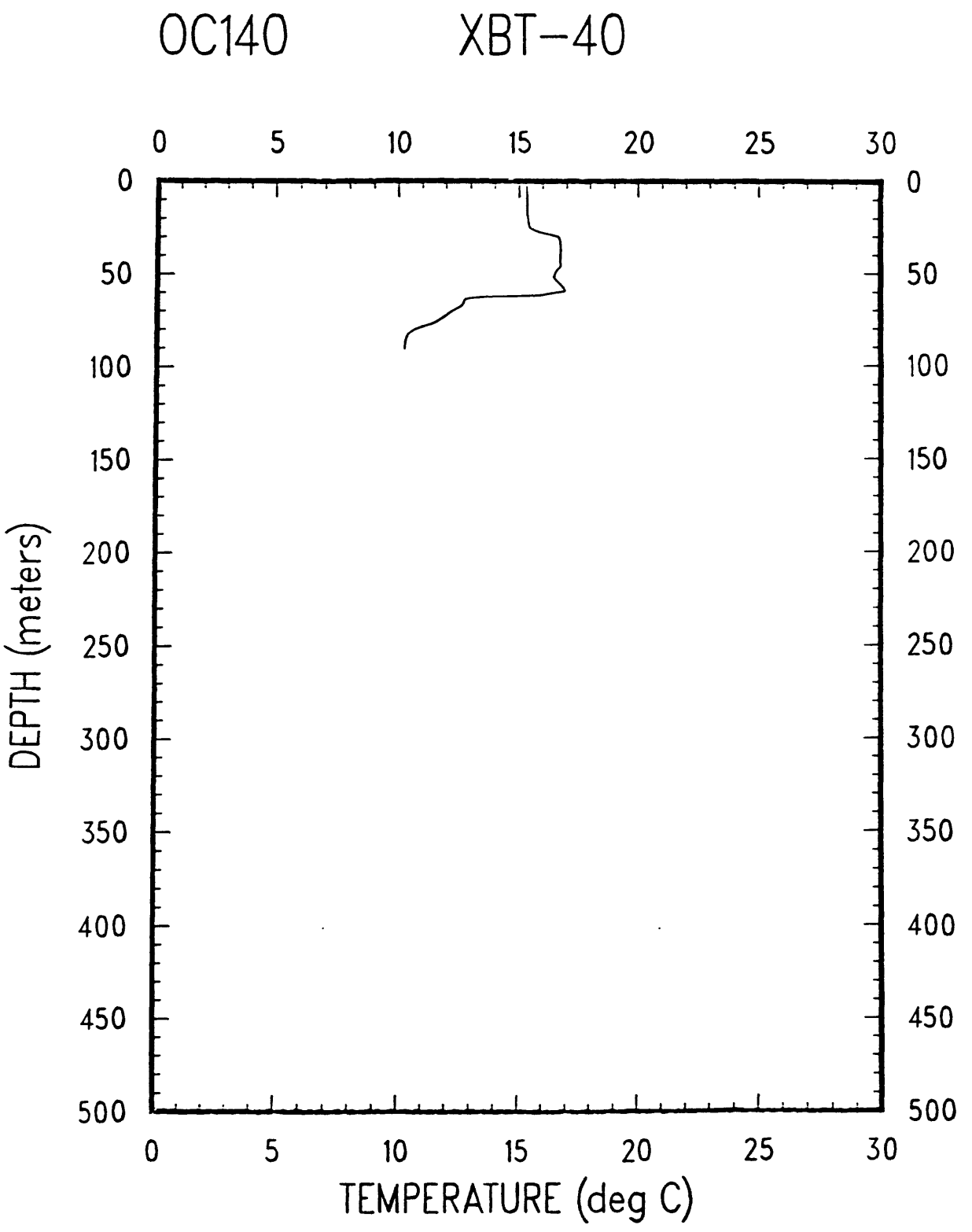

OC140
XBT-40
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 53.

OC140A CAST #41

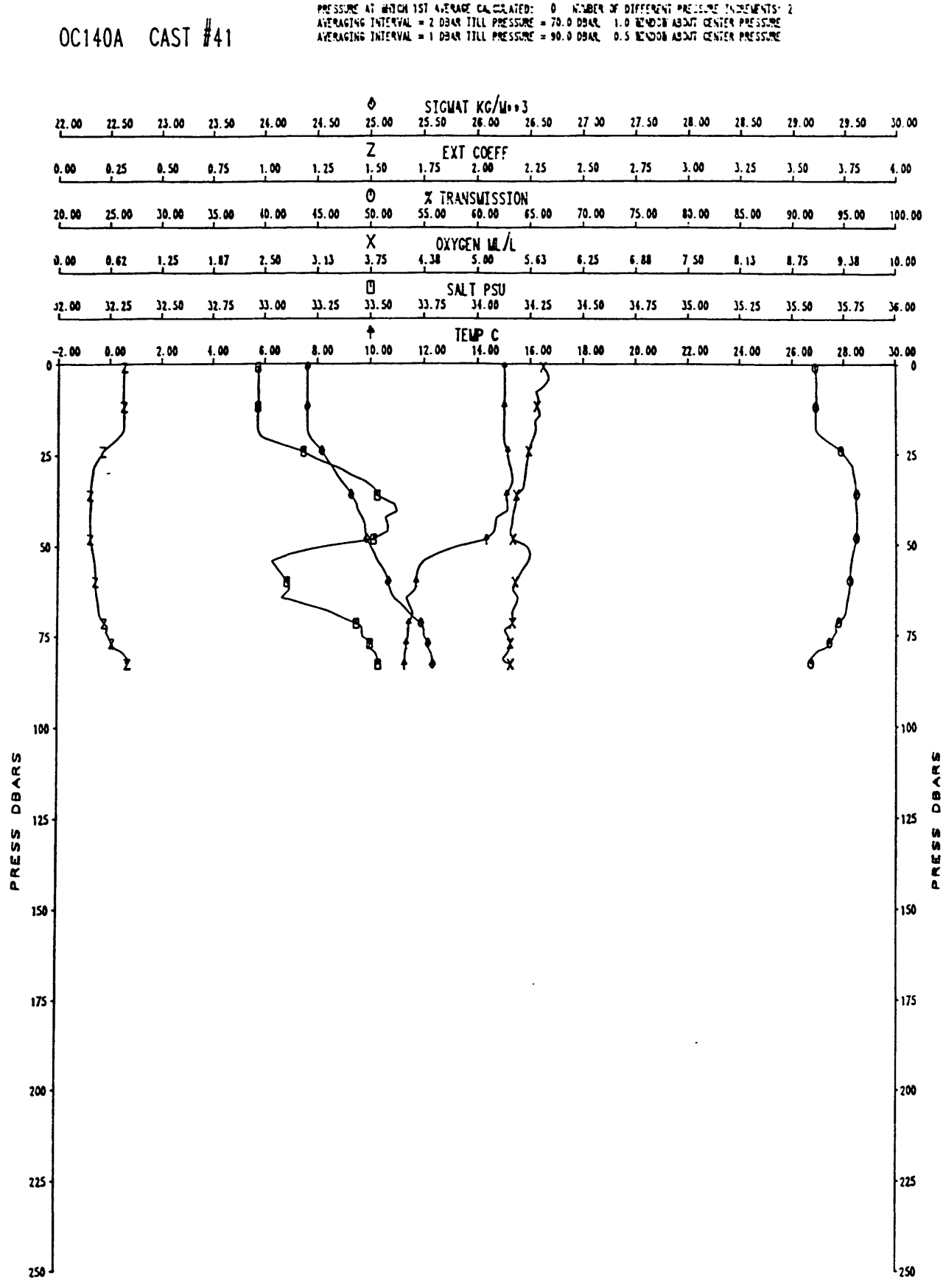


Figure 54.

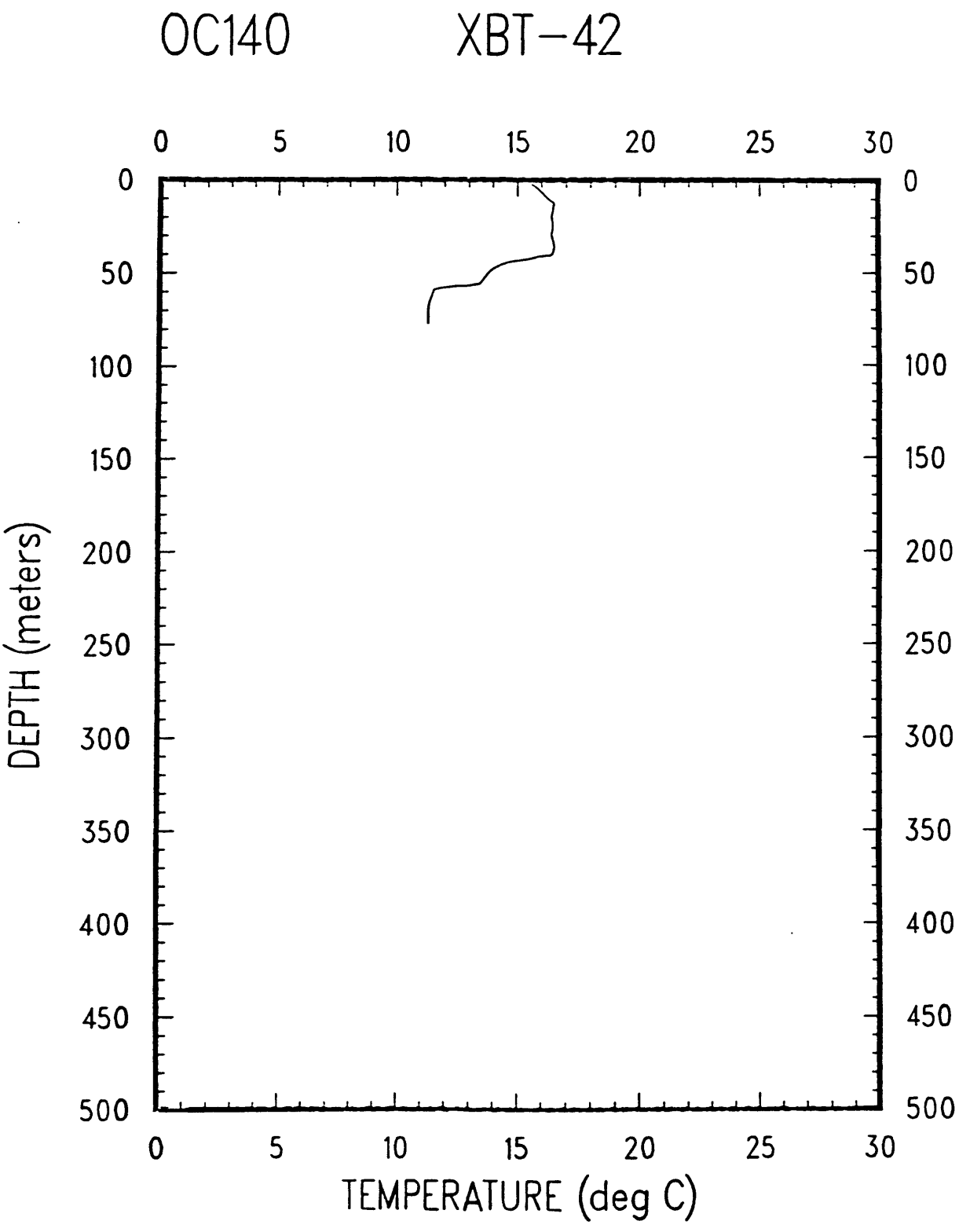

OC140
XBT-42
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 55.

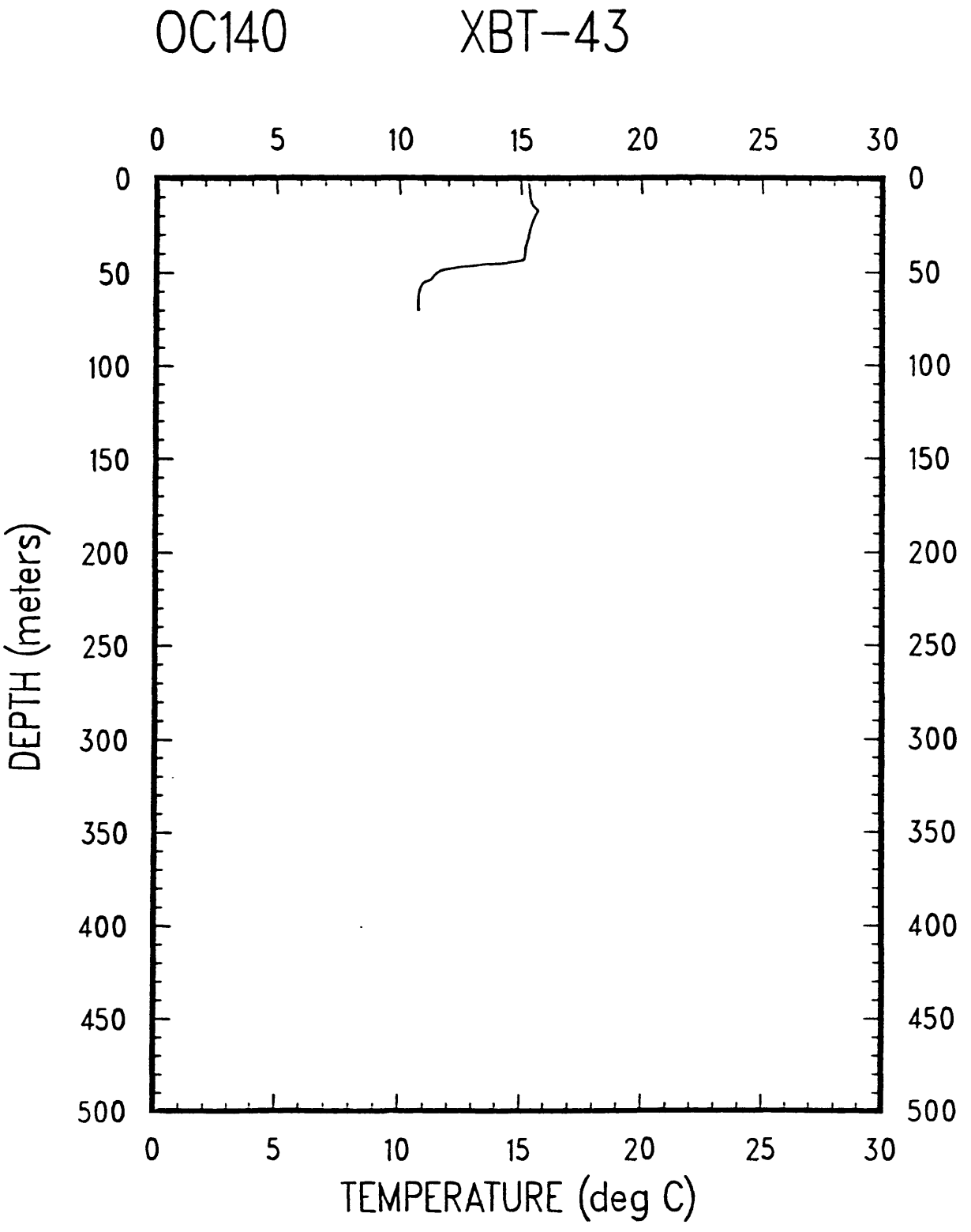

OC140
XBT-43
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 56.

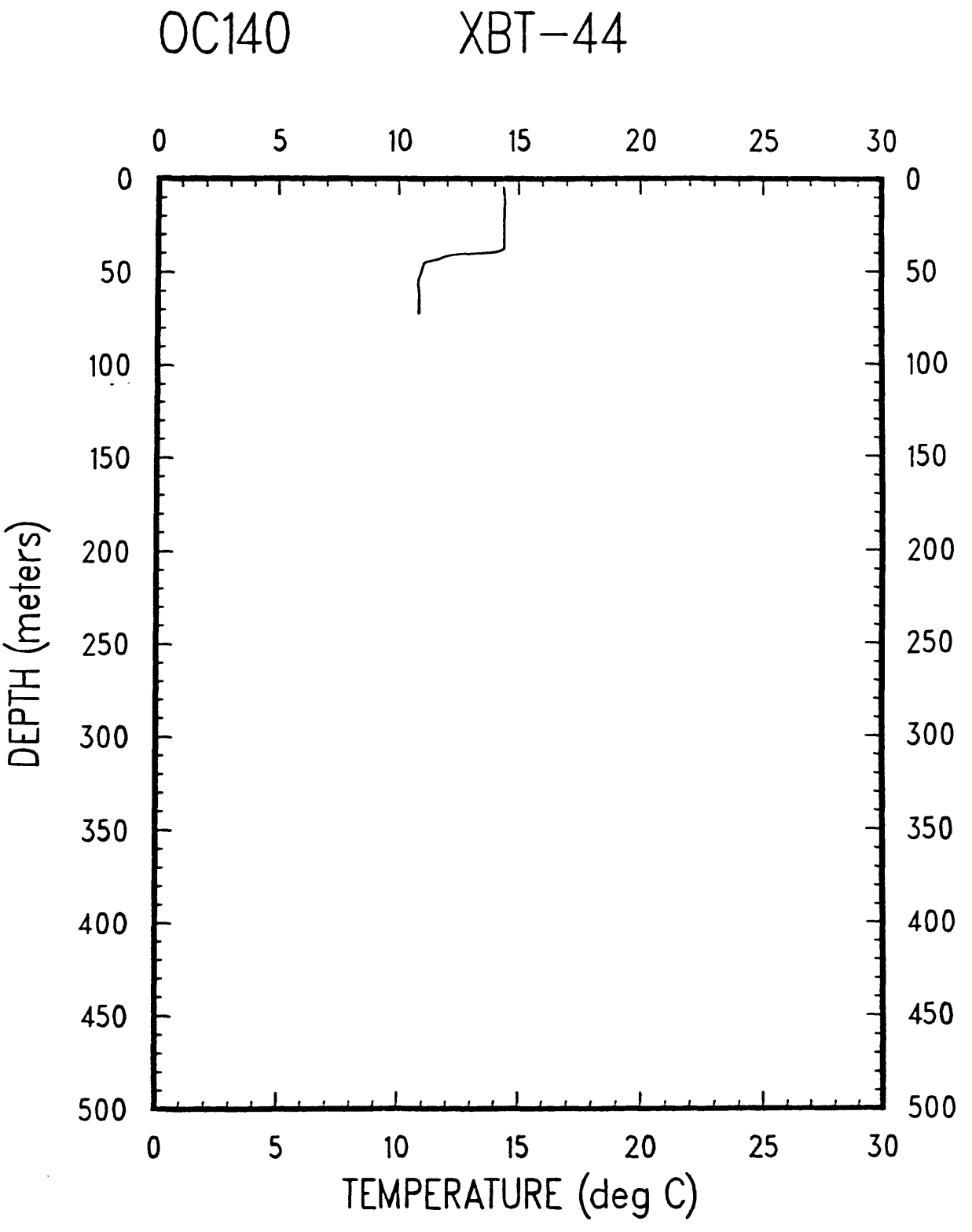

OC140
XBT-44
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 57.

OC140A CAST #45

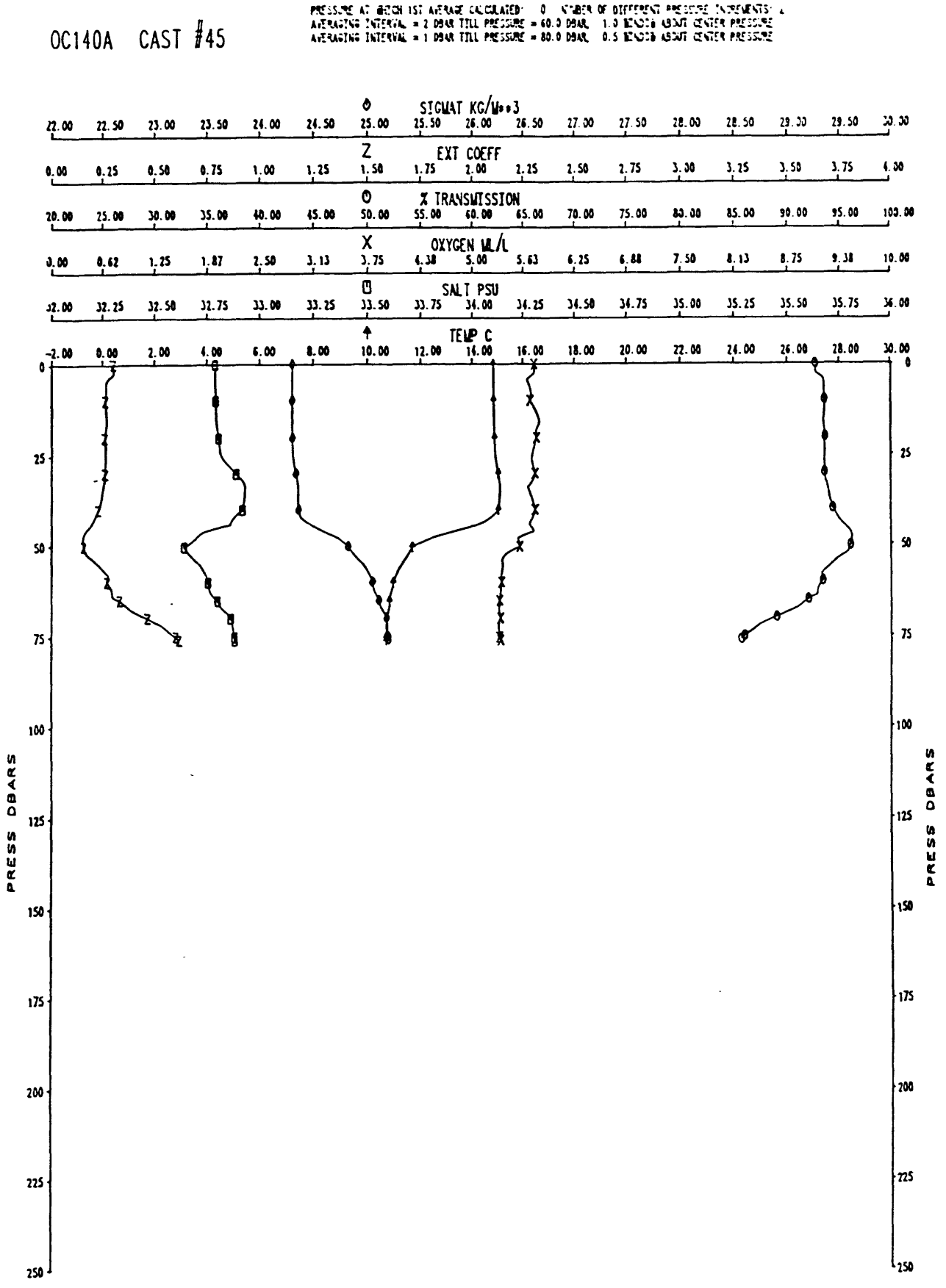


Figure 58.

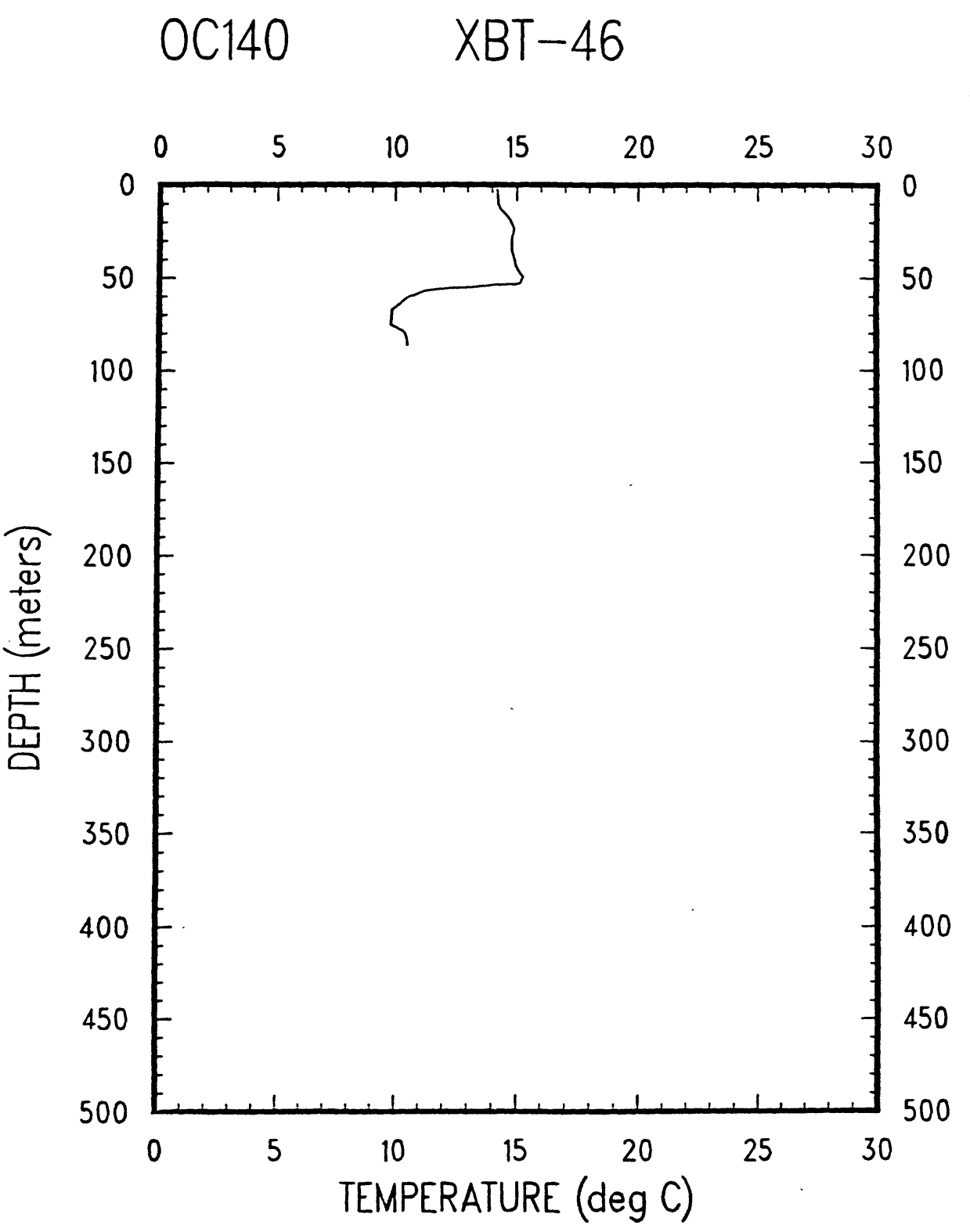

OC140
XBT-46
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 59.

OC140A CAST #47

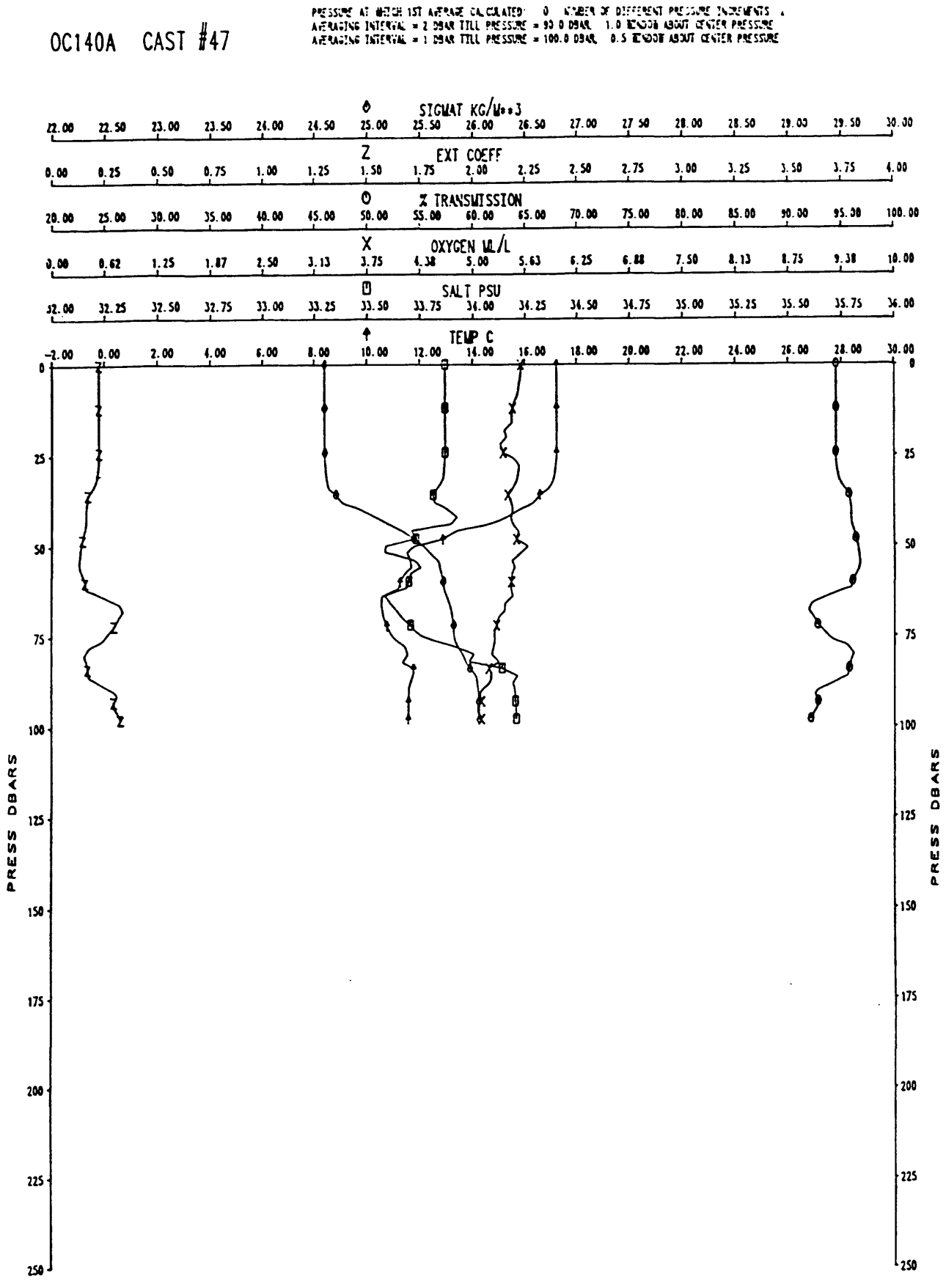


Figure 60.

OC140A CAST #48

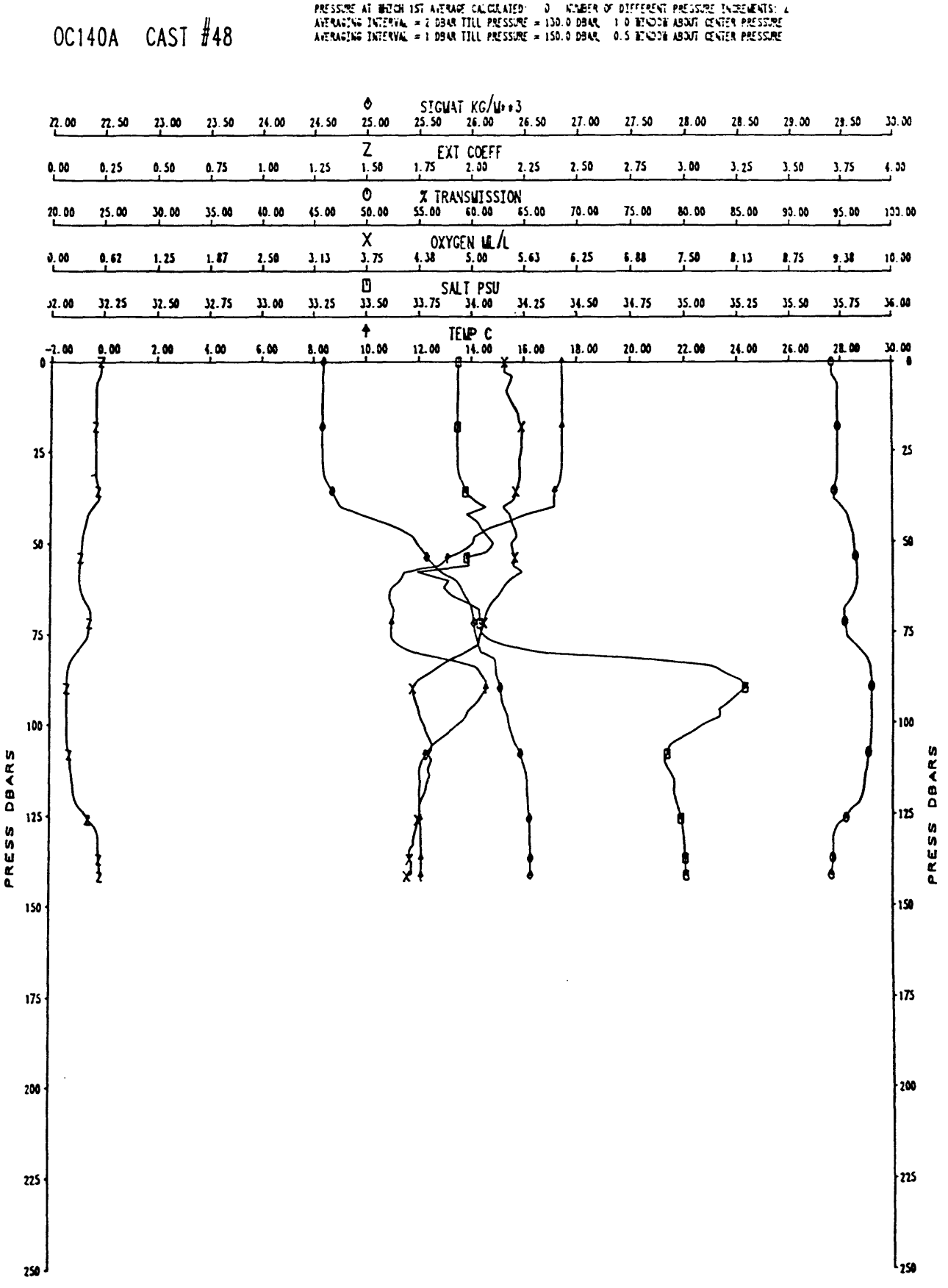


Figure 61.

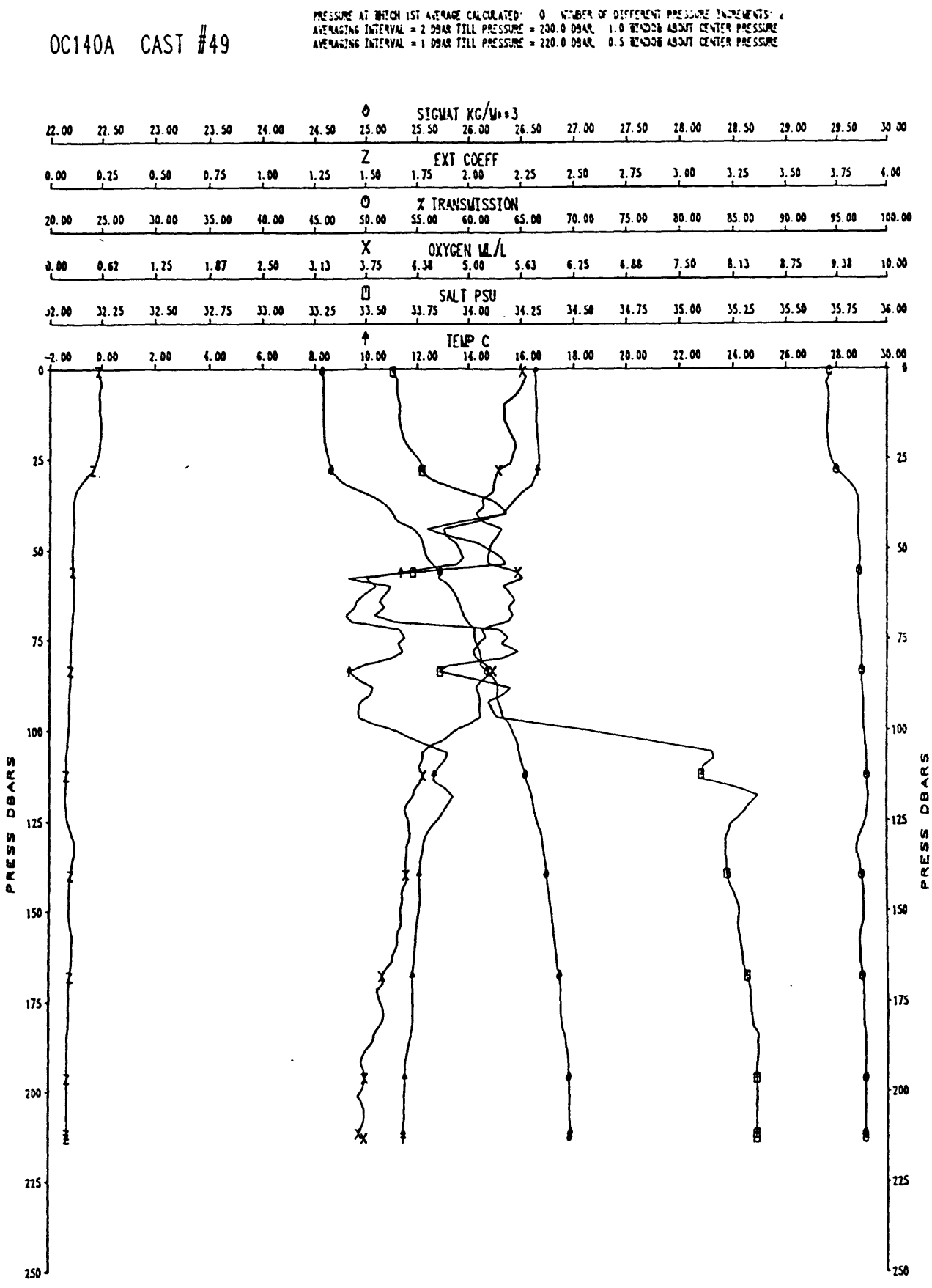

OC140A CAST #49
PRESSURE AT WHICH 1ST AVERAGE CALCULATED: 0 NUMBER OF DIFFERENT PRESSURE INCREMENTS: 4
AVERAGING INTERVAL = 2 DBAR TILL PRESSURE = 200.0 DBAR, 1.0 WINDOW ABOUT CENTER PRESSURE
AVERAGING INTERVAL = 1 DBAR TILL PRESSURE = 220.0 DBAR, 0.5 WINDOW ABOUT CENTER PRESSURE
SIGMAT KG/M**3
EXT COEFF
% TRANSMISSION
OXYGEN ML/L
SALT PSU
TEMP C
PRESS DBARS
PRESS DBARS

Figure 62.

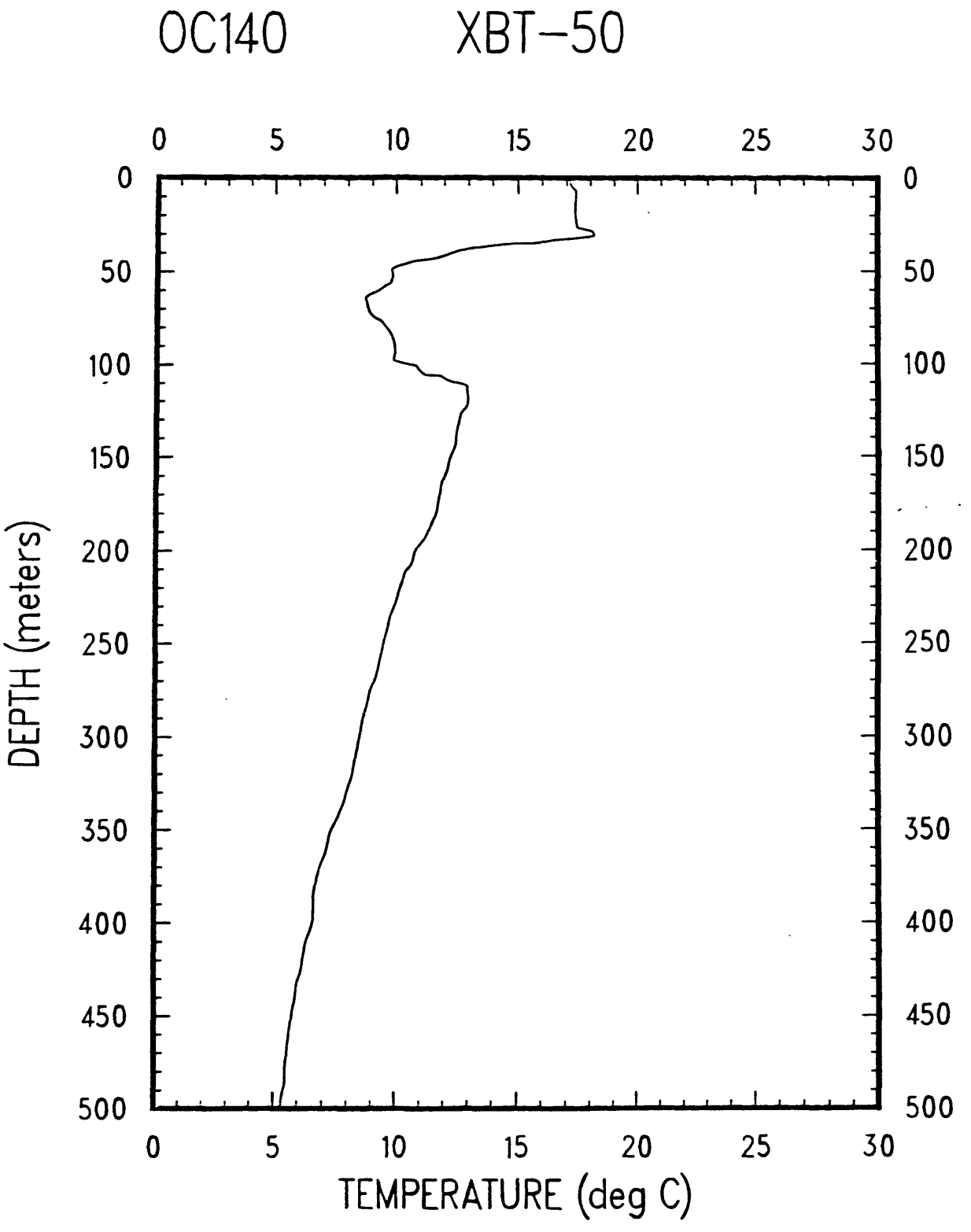

OC140
XBT-50
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 63.

OC140A CAST #51

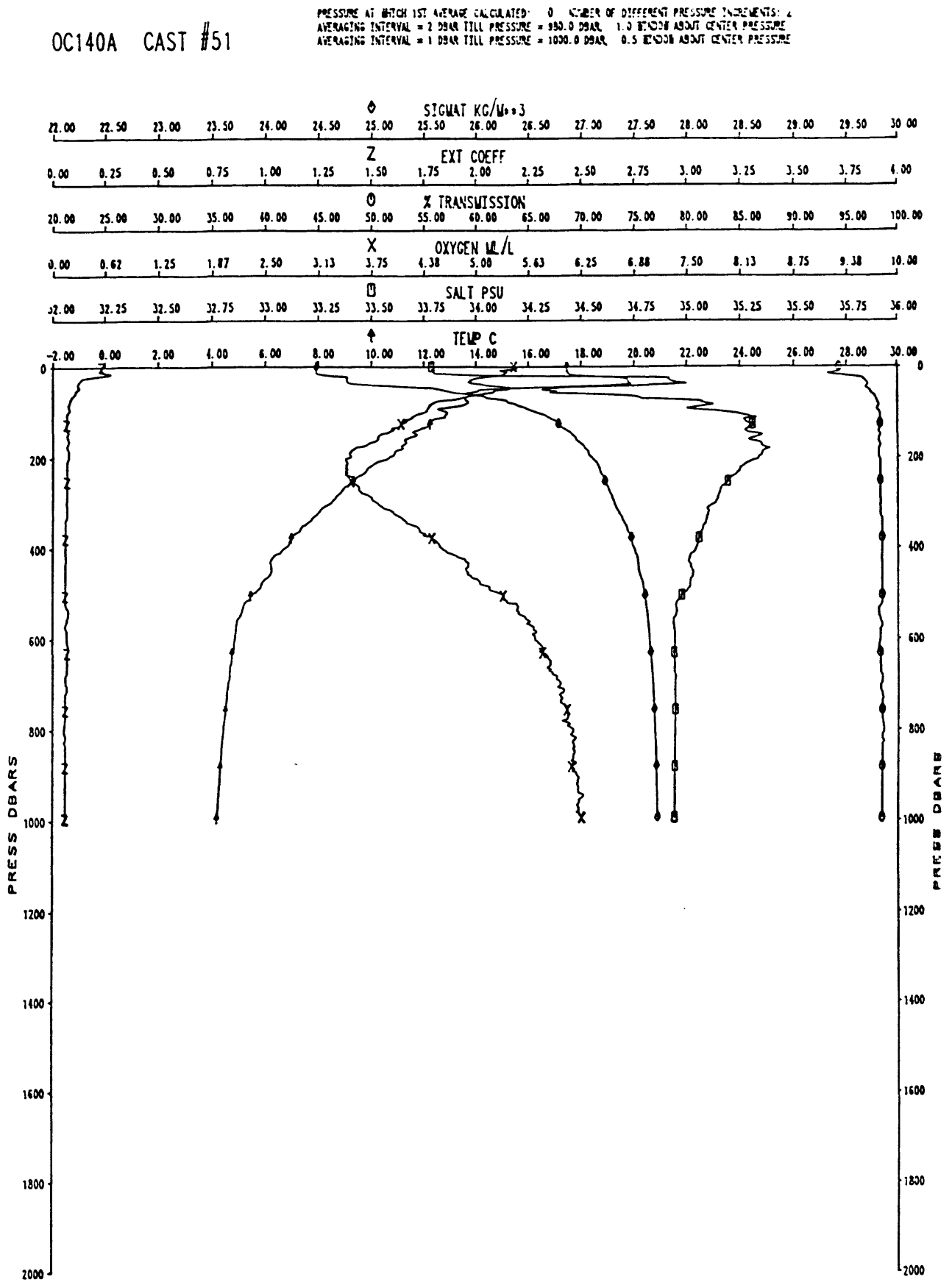


Figure 64.

OC140A CAST #51

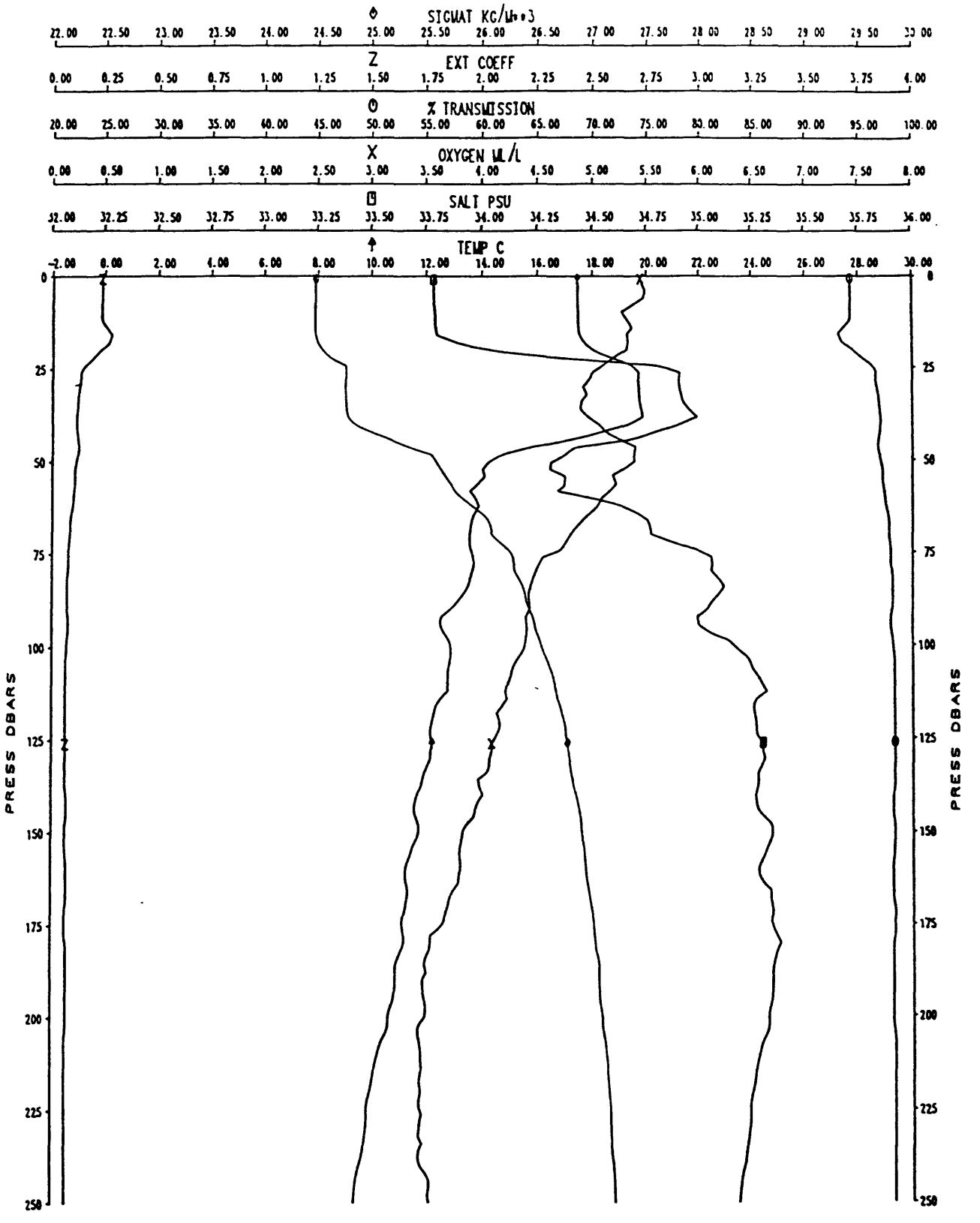


Figure 65.

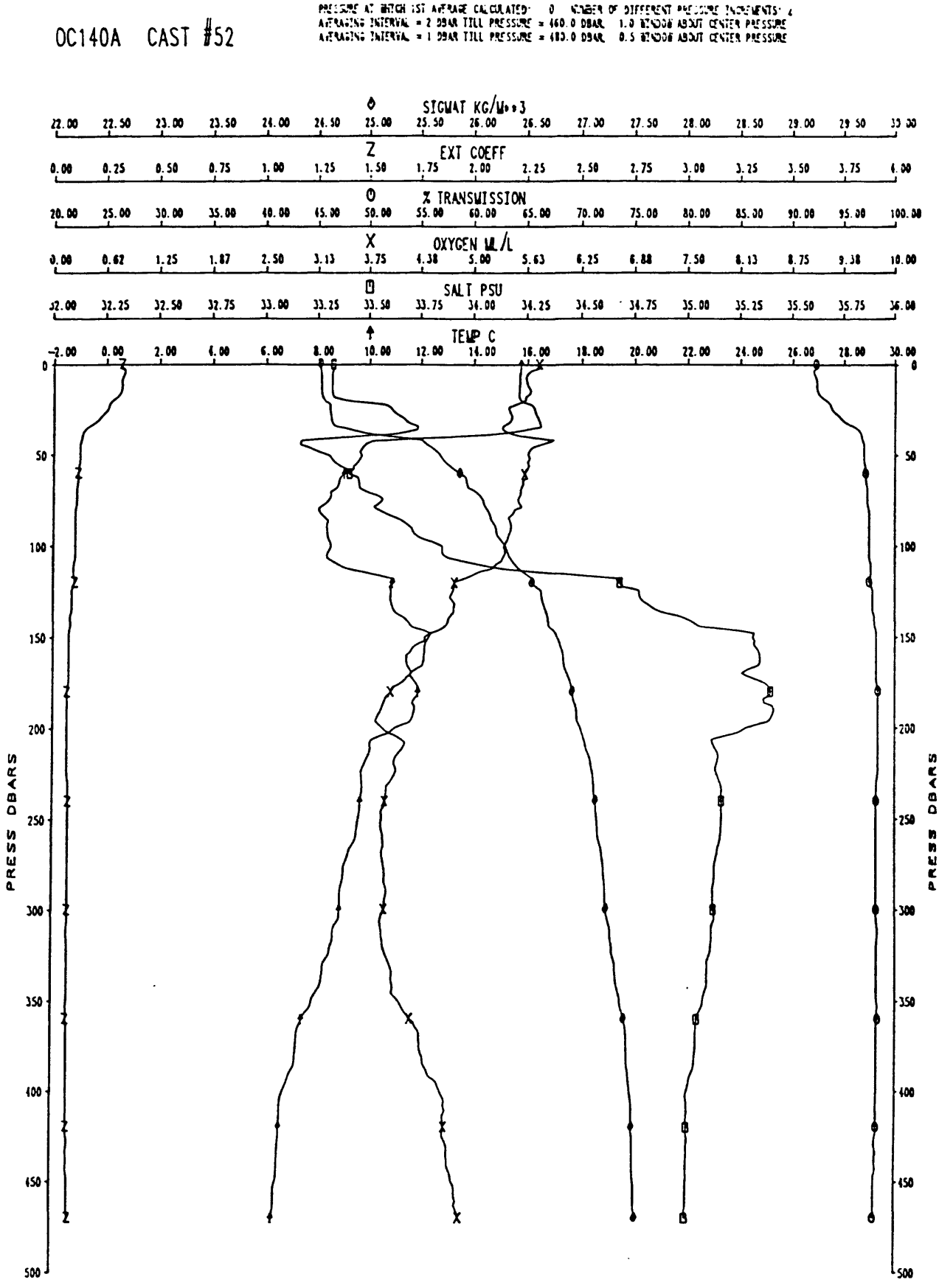

OC140A CAST #52
SIGMAT KG/M**3
EXT COEFF
% TRANSMISSION
OXYGEN ML/L
SALT PSU
TEMP C
PRESS DBARS

Figure 66.

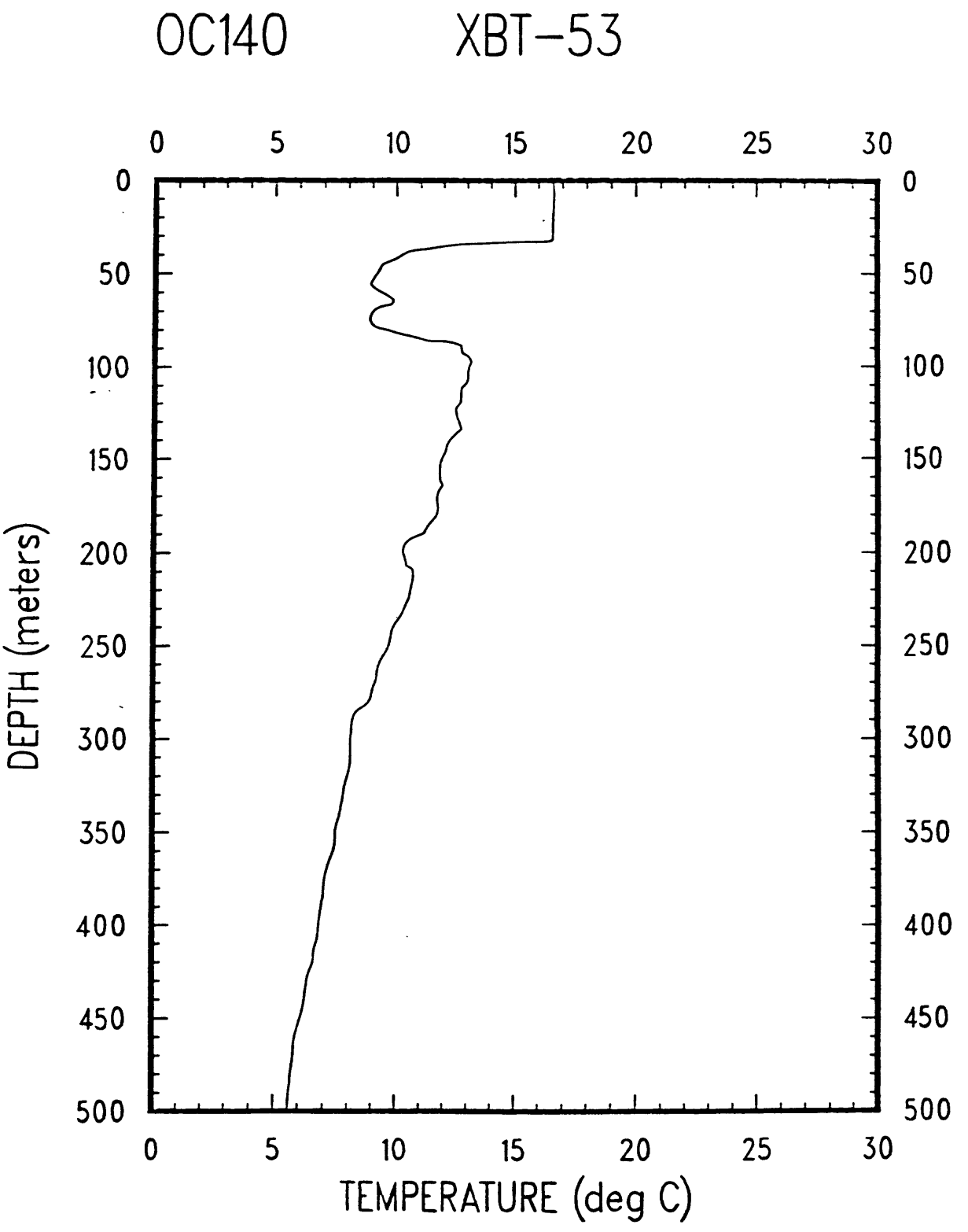

OC140
XBT-53
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 67.

OC140A CAST #54

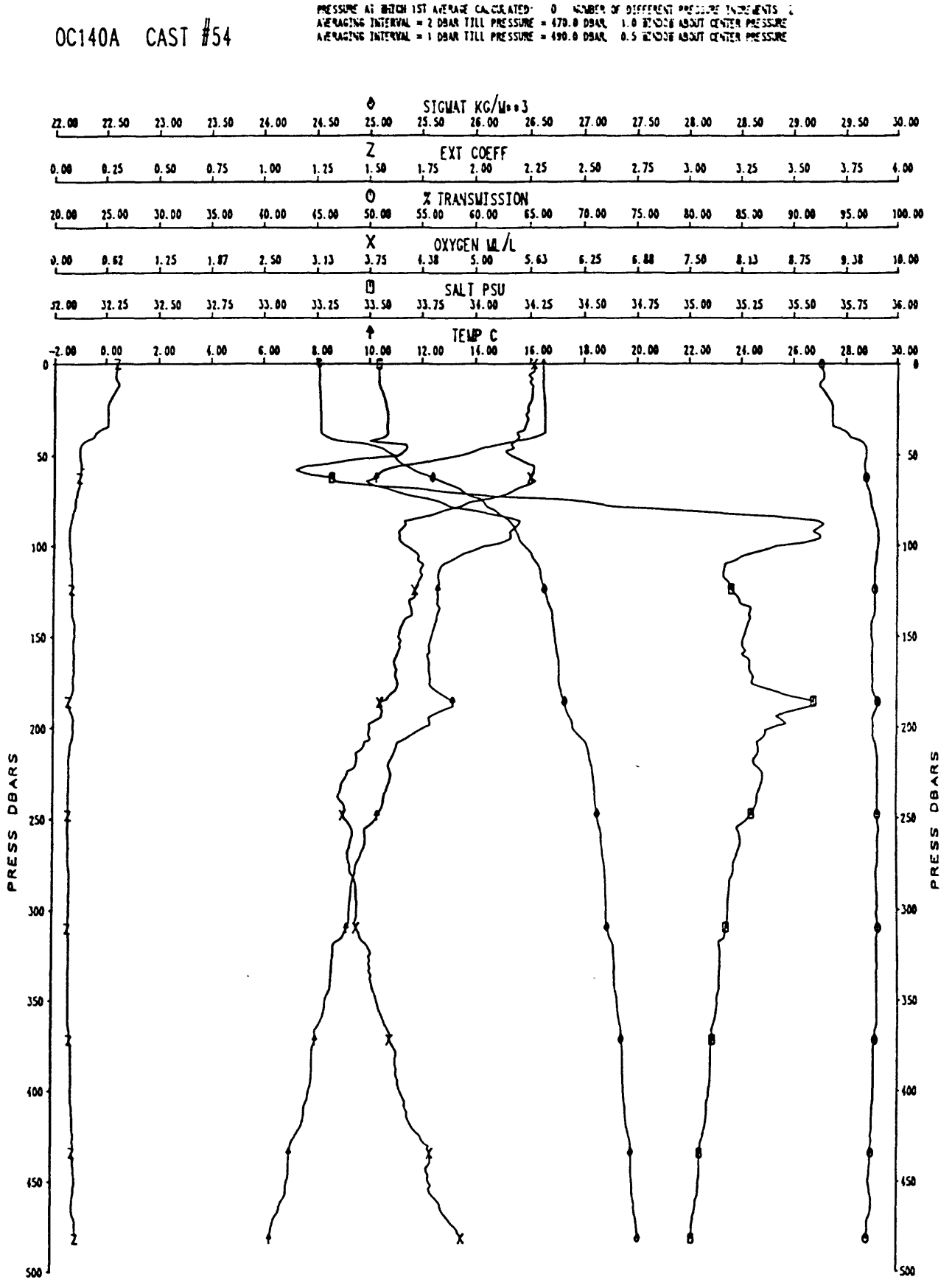


Figure 68.

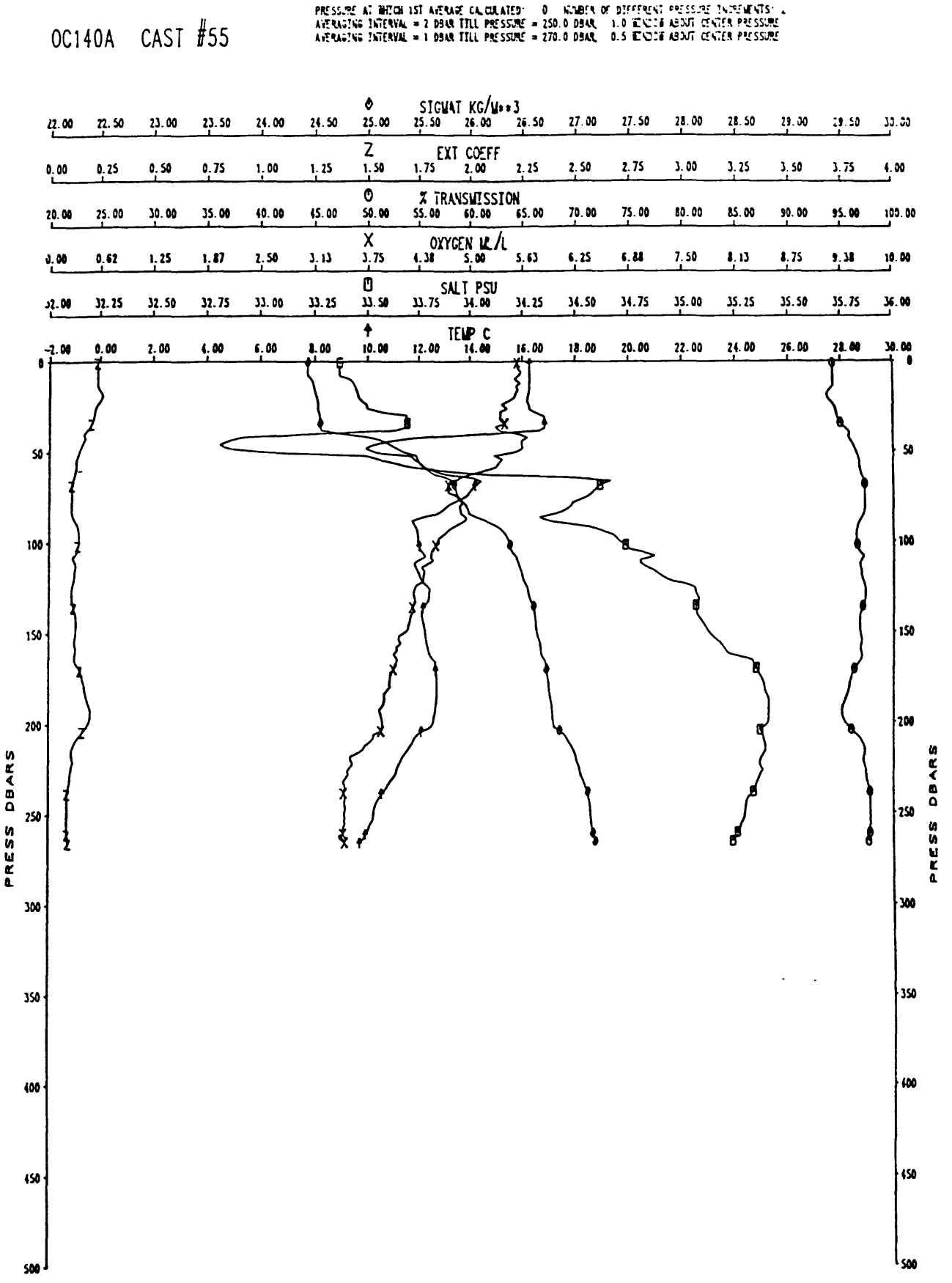

OC140A CAST #55
PRESSURE AT WHICH 1ST AVERAGE CALCULATED: 0 NUMBER OF DIFFERENT PRESSURE INCREMENTS: 4
AVERAGING INTERVAL = 2 DBAR TILL PRESSURE = 250.0 DBAR, 1.0 READING ABOUT CENTER PRESSURE
AVERAGING INTERVAL = 1 DBAR TILL PRESSURE = 270.0 DBAR, 0.5 READING ABOUT CENTER PRESSURE
SIGMAT KG/M**3
EXT COEFF
% TRANSMISSION
OXYGEN ML/L
SALT PSU
TEMP C
PRESS DBARS
PRESS DBARS

Figure 69.

OC140A CAST #56

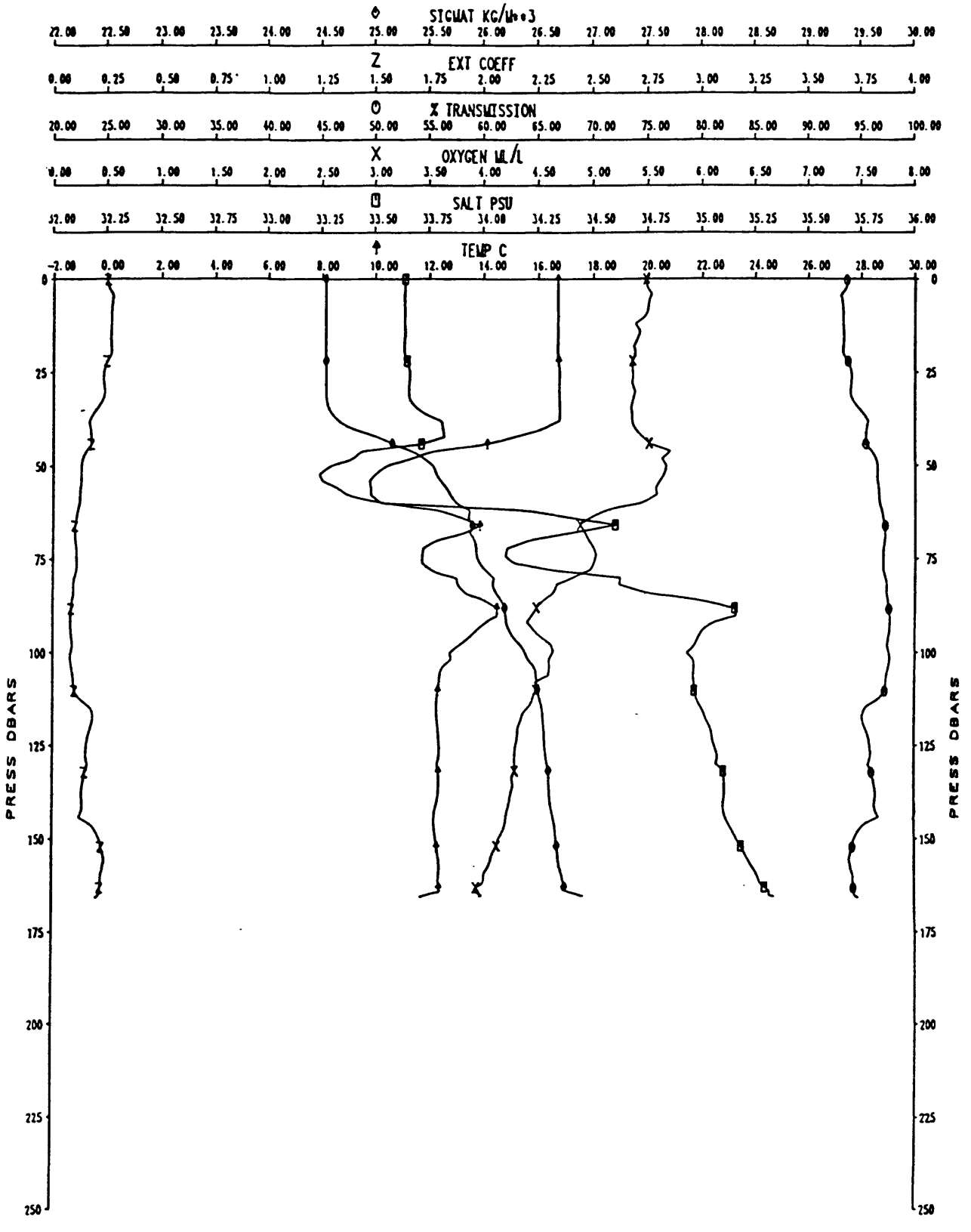


Figure 70.

OC140A CAST #57

PRESSURE AT WHICH 1ST AVERAGE CALCULATED: 0 NUMBER OF DIFFERENT PRESSURE INCREMENTS: 2
AVERAGING INTERVAL = 2 DBAR TILL PRESSURE = 220.0 DBAR, 1.0 WINDOW ABOUT CENTER PRESSURE
AVERAGING INTERVAL = 1 DBAR TILL PRESSURE = 240.0 DBAR, 0.5 WINDOW ABOUT CENTER PRESSURE

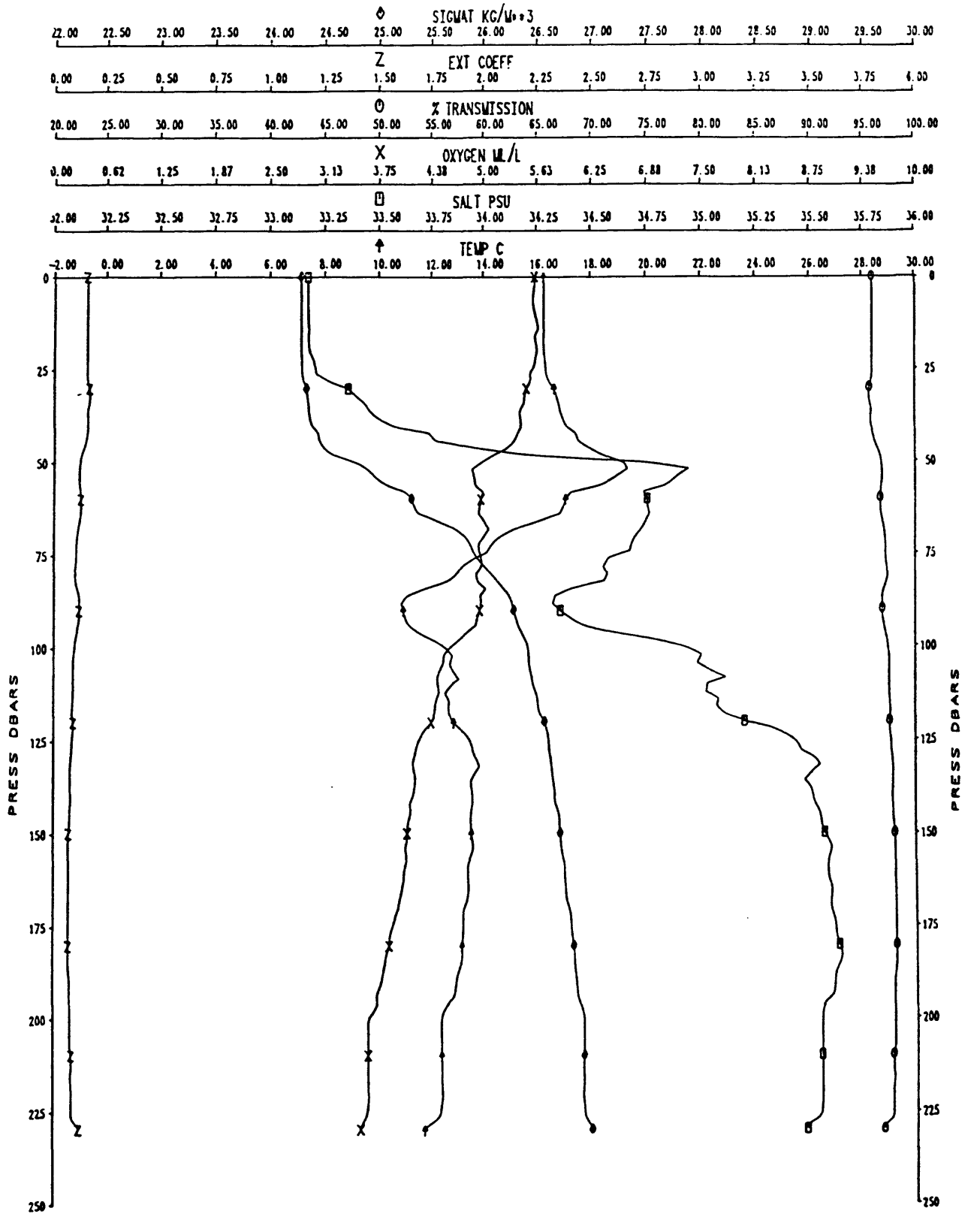


Figure 71.

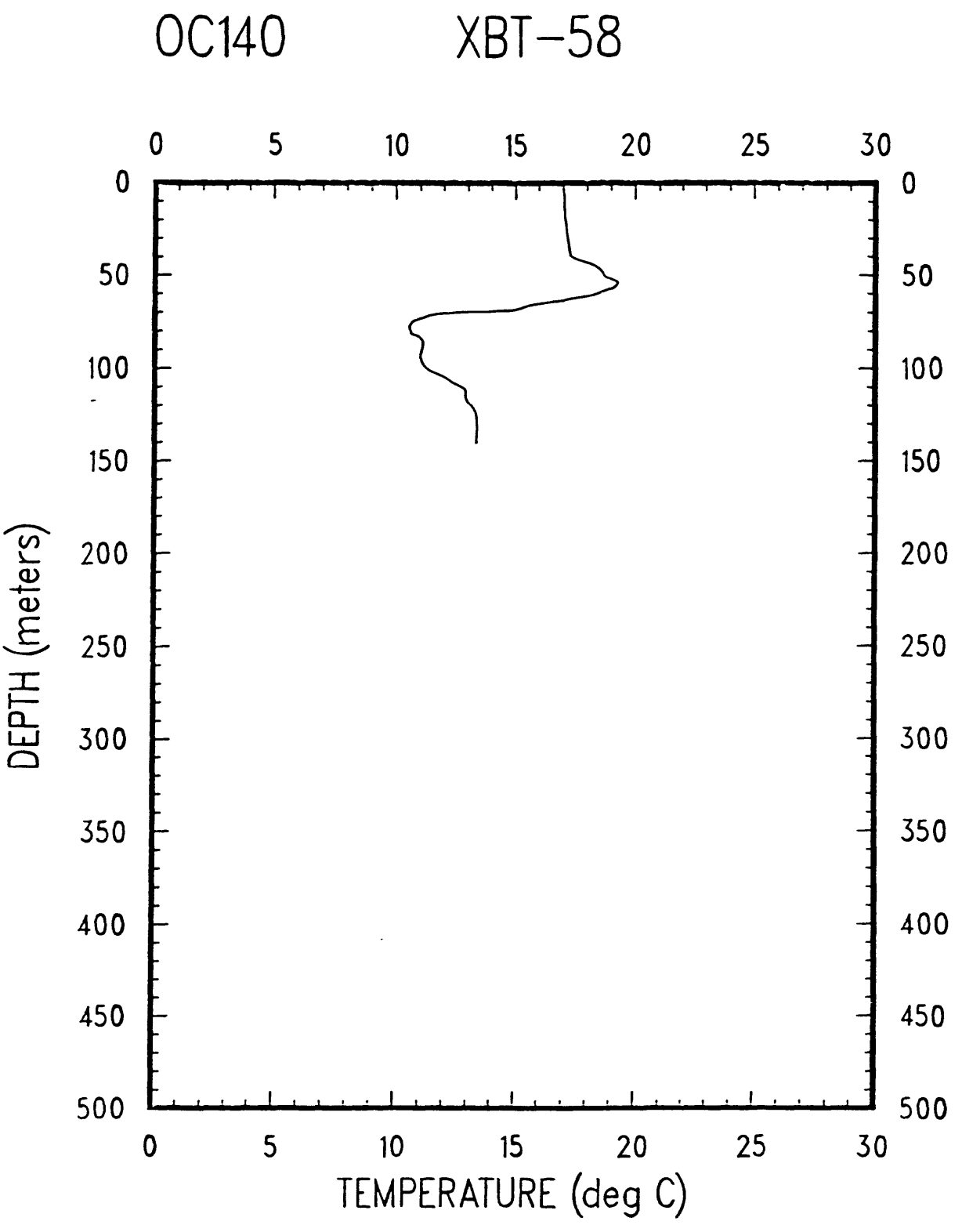

OC140 XBT-58
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 72.

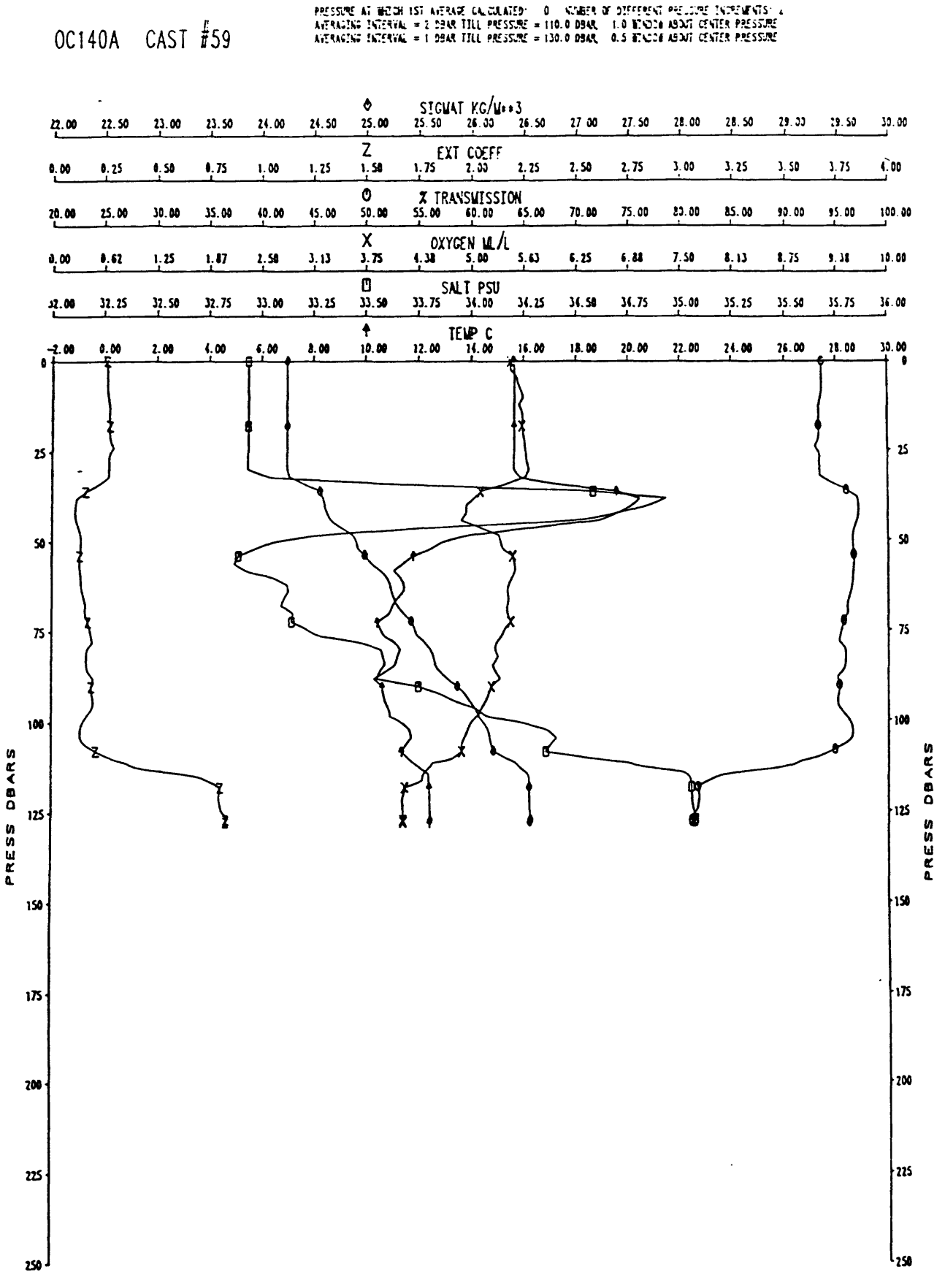

OC140A CAST #59
PRESSURE AT WHICH 1ST AVERAGE CALCULATED: 0 NUMBER OF DIFFERENT PRESSURE INCREMENTS: 4
AVERAGING INTERVAL = 2 DBAR TILL PRESSURE = 110.0 DBAR 1.0 WINDOW ABOUT CENTER PRESSURE
AVERAGING INTERVAL = 1 DBAR TILL PRESSURE = 130.0 DBAR 0.5 WINDOW ABOUT CENTER PRESSURE
SIGMAT KG/M**3
EXT COEFF
% TRANSMISSION
OXYGEN ML/L
SALT PSU
TEMP C
PRESS DBARS
PRESS DBARS

Figure 73.

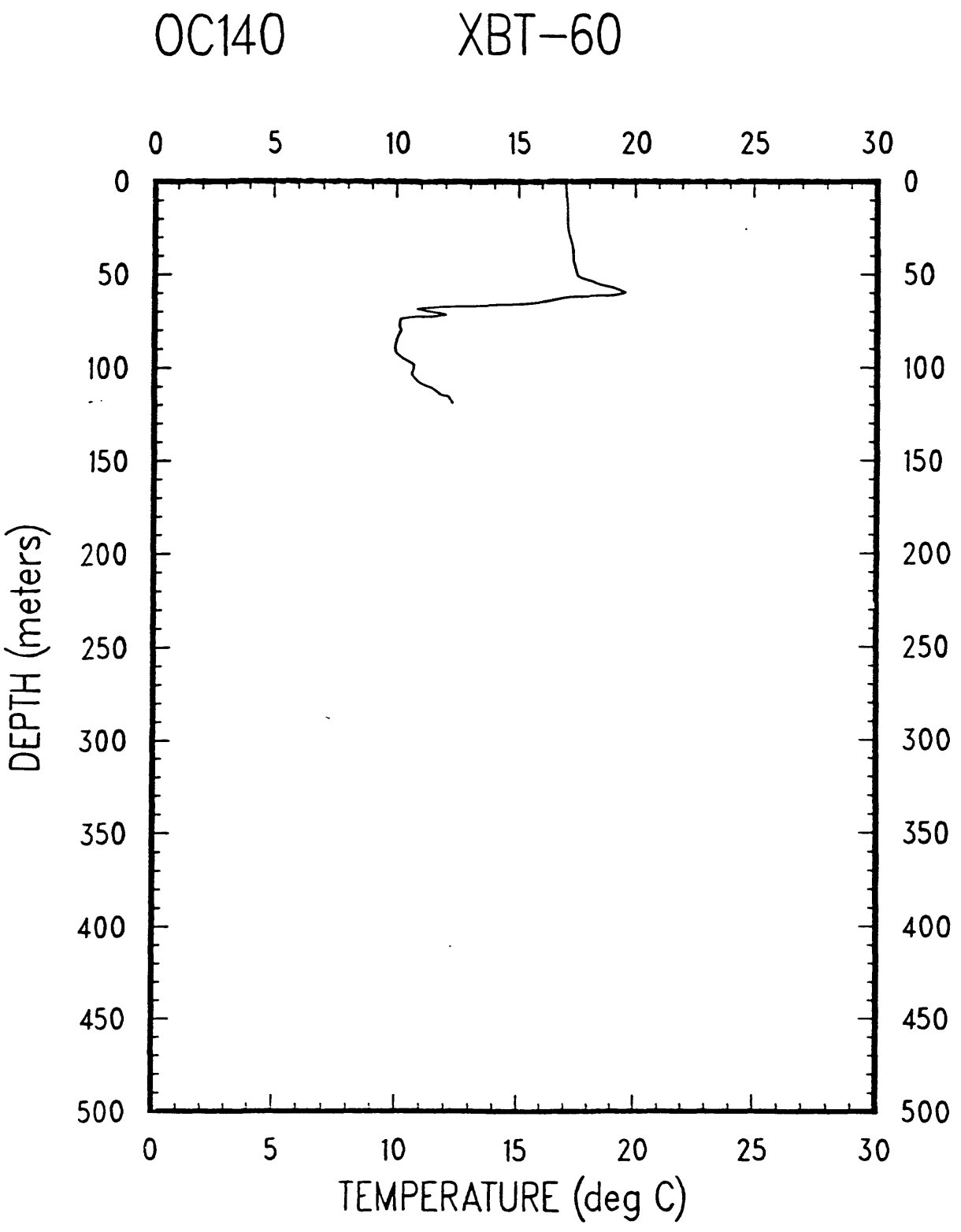

OC140
XBT-60
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 74.

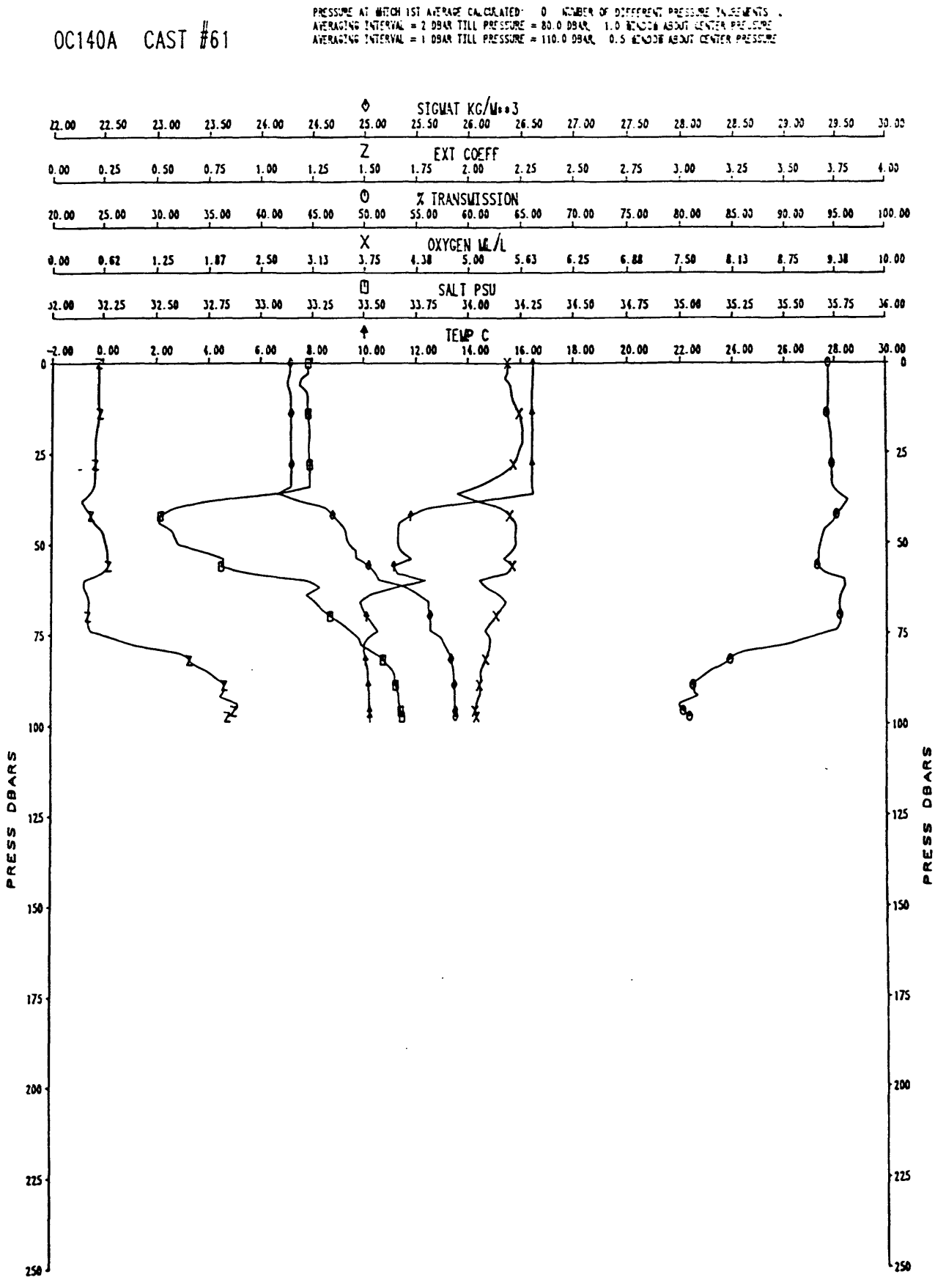

OC140A CAST #61
PRESSURE AT WHICH 1ST AVERAGE CALCULATED: 0 NUMBER OF DIFFERENT PRESSURE INCREMENTS
AVERAGING INTERVAL = 2 DBAR TILL PRESSURE = 80.0 DBAR, 1.0 WINDOW ABOUT CENTER PRESSURE
AVERAGING INTERVAL = 1 DBAR TILL PRESSURE = 110.0 DBAR, 0.5 WINDOW ABOUT CENTER PRESSURE
SIGMAT KG/M**3
EXT COEFF
% TRANSMISSION
OXYGEN ML/L
SALT PSU
TEMP C
PRESS DBARS

Figure 75.

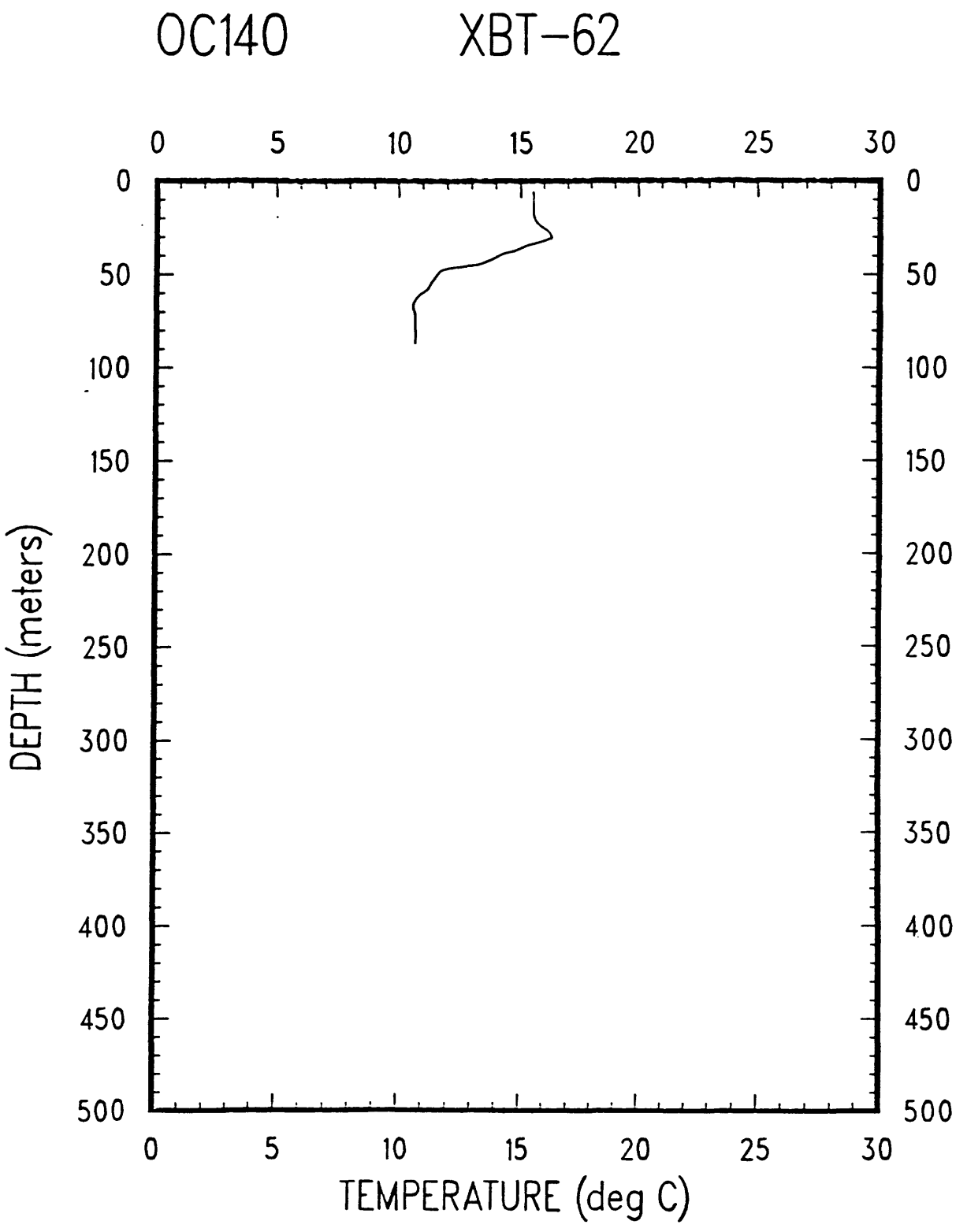

OC140
XBT-62
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

Figure 76.

OC140A CAST #63

PRESSURE AT WHICH 1ST AVERAGE CALCULATED: 0 NUMBER OF DIFFERENT PRESSURE INCREMENTS
AVERAGING INTERVAL = 2 DBAR TILL PRESSURE = 60.0 DBAR, 1.0 MEANS ABOUT CENTER PRESSURE
AVERAGING INTERVAL = 1 DBAR TILL PRESSURE = 90.0 DBAR, 0.5 MEANS ABOUT CENTER PRESSURE

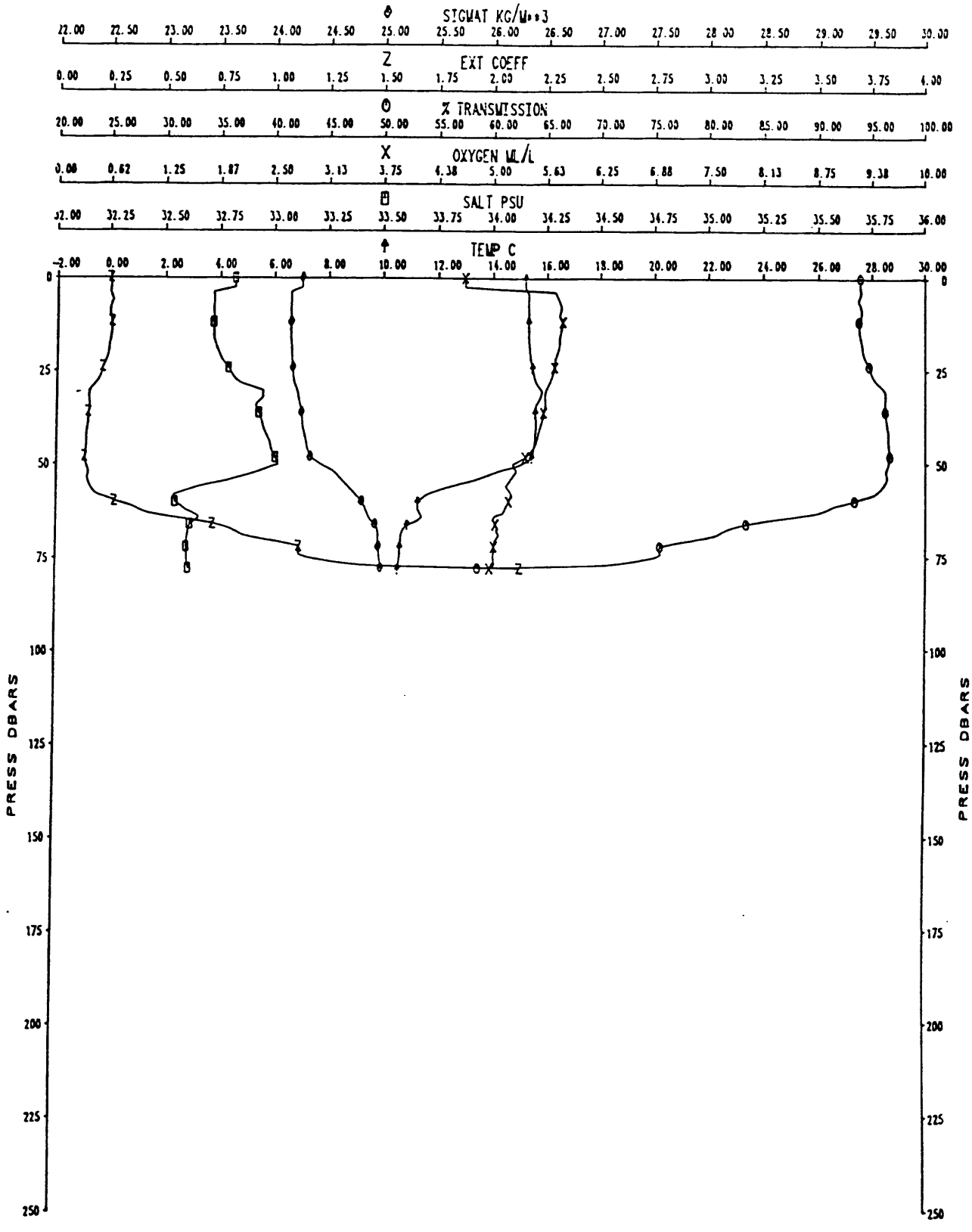


Figure 77.

Appendix I. - Data listings

A listing of the 2 dbar-averaged data is contained in Appendix I. For the data listings, time is in Eastern Daylight Time, NAVE is the number of CTD data scans in each average, TRAN is percent light transmission over 0.25 m, and ATN is the beam attenuation coefficient. For pressures greater than 500 dbar, the 2 dbar-averaged data are listed at 20 dbar intervals.

STA 1 DAY: 18 TIME: 2015

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	TRAN (%)	ATN (m^{-1})
46	3.	17.660	33.027	5.11	23.845	92.9	0.29
111	4.	17.657	33.049	5.15	23.862	92.9	0.29
130	6.	17.663	33.081	5.19	23.886	92.9	0.29
108	8.	17.673	33.104	5.17	23.901	92.9	0.29
117	10.	17.675	33.121	5.19	23.914	92.8	0.30
109	12.	18.014	33.355	5.16	24.010	93.0	0.29
110	14.	19.544	34.182	4.95	24.258	94.3	0.23
117	16.	20.416	34.610	4.81	24.355	94.8	0.21
120	18.	21.128	34.951	4.66	24.423	95.1	0.20
125	20.	21.411	35.064	4.56	24.431	95.3	0.19
133	22.	21.519	35.109	4.55	24.436	95.4	0.19
138	24.	21.575	35.138	4.56	24.443	95.5	0.18
117	26.	21.499	35.124	4.55	24.453	95.6	0.18
117	28.	21.446	35.118	4.63	24.463	95.6	0.18
104	30.	21.429	35.117	4.62	24.467	95.6	0.18
102	32.	21.379	35.105	4.63	24.471	95.7	0.18
89	34.	21.358	35.101	4.63	24.475	95.8	0.17
90	36.	21.330	35.096	4.66	24.478	95.9	0.17
96	38.	21.290	35.082	4.66	24.478	96.0	0.16
73	40.	21.214	35.059	4.66	24.482	96.1	0.16
86	42.	20.842	34.933	4.70	24.487	96.3	0.15
84	44.	20.544	34.879	4.68	24.526	96.4	0.15
90	46.	20.266	34.804	4.71	24.543	96.4	0.15
64	48.	19.841	34.793	4.71	24.647	96.3	0.15
62	50.	19.933	35.122	4.63	24.874	96.5	0.14
75	52.	18.815	35.019	4.73	25.084	96.5	0.14
81	54.	16.403	34.675	4.92	25.406	96.3	0.15
76	56.	15.268	34.635	4.88	25.632	96.4	0.15
59	58.	15.867	35.132	4.70	25.880	97.0	0.12
65	60.	16.009	35.280	4.60	25.962	97.3	0.11
80	62.	15.870	35.366	4.50	26.060	97.5	0.10
81	64.	15.941	35.441	4.40	26.101	97.6	0.10
52	66.	15.946	35.469	4.35	26.122	97.7	0.09
65	68.	15.982	35.511	4.33	26.146	97.7	0.09
93	70.	15.758	35.471	4.34	26.166	97.7	0.09
66	72.	15.281	35.402	4.37	26.221	97.7	0.09
53	74.	14.848	35.342	4.39	26.270	97.8	0.09
73	76.	14.483	35.284	4.40	26.304	97.8	0.09
86	78.	14.327	35.277	4.41	26.333	97.8	0.09
56	80.	14.101	35.253	4.41	26.362	97.8	0.09
58	82.	14.032	35.243	4.38	26.368	97.8	0.09
87	84.	13.963	35.249	4.38	26.388	98.0	0.08
62	86.	13.917	35.284	4.36	26.425	98.0	0.08
78	88.	13.797	35.303	4.33	26.464	98.0	0.08
69	90.	13.667	35.286	4.32	26.479	98.0	0.08
56	92.	13.437	35.278	4.29	26.520	98.1	0.08
65	94.	13.397	35.316	4.30	26.558	98.2	0.07
87	96.	13.465	35.360	4.30	26.577	98.2	0.07
72	98.	13.495	35.388	4.30	26.593	98.2	0.07
53	100.	13.467	35.404	4.31	26.611	98.2	0.07

STA 1 DAY: 18 TIME: 2015

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	TRAN (%)	ATN (m^{-1})
61	102.	13.455	35.404	4.27	26.614	98.2	0.07
98	104.	13.452	35.408	4.27	26.617	98.2	0.07
65	106.	13.461	35.432	4.26	26.634	98.2	0.07
51	108.	13.365	35.446	4.22	26.665	98.2	0.07
79	110.	13.358	35.446	4.20	26.666	98.2	0.07
75	112.	13.359	35.450	4.18	26.669	98.2	0.07
78	114.	13.295	35.437	4.17	26.672	98.2	0.07
57	116.	13.120	35.407	4.18	26.685	98.2	0.07
62	118.	12.545	35.286	4.25	26.706	98.2	0.07
92	120.	12.069	35.207	4.30	26.737	98.2	0.07
70	122.	11.974	35.226	4.33	26.770	98.2	0.07
52	124.	11.707	35.169	4.31	26.777	98.2	0.07
73	126.	11.904	35.261	4.24	26.811	98.1	0.08
78	128.	12.048	35.324	4.17	26.833	98.0	0.08
75	130.	12.100	35.357	4.07	26.848	97.7	0.09
66	132.	12.098	35.356	4.00	26.847	97.7	0.09
60	134.	12.098	35.357	3.95	26.848	97.7	0.09
73	136.	12.090	35.357	3.96	26.849	97.7	0.09
79	138.	12.075	35.358	3.97	26.853	97.7	0.09
72	140.	12.063	35.361	3.95	26.858	97.7	0.09
64	142.	12.066	35.362	3.92	26.858	97.7	0.09
67	144.	12.050	35.360	3.92	26.859	97.7	0.09
66	146.	12.021	35.355	3.91	26.862	97.7	0.09
88	148.	11.996	35.352	3.91	26.864	97.7	0.09
70	150.	11.970	35.357	3.89	26.873	97.7	0.09
61	152.	11.965	35.363	3.84	26.878	97.7	0.09
60	154.	11.974	35.374	3.83	26.885	97.7	0.09
83	156.	11.984	35.386	3.82	26.893	97.7	0.09
79	158.	11.991	35.406	3.81	26.907	97.8	0.09
64	160.	11.961	35.407	3.77	26.913	97.8	0.09
63	162.	11.938	35.406	3.74	26.917	97.8	0.09
71	164.	11.932	35.412	3.74	26.923	97.8	0.09
74	166.	11.882	35.413	3.72	26.933	97.8	0.09
77	168.	11.779	35.404	3.70	26.945	97.8	0.09
62	170.	11.609	35.392	3.67	26.969	97.7	0.09
73	172.	11.558	35.404	3.64	26.988	97.8	0.09
70	174.	11.541	35.406	3.61	26.992	97.9	0.09
67	176.	11.471	35.397	3.60	26.998	97.8	0.09
72	178.	11.361	35.386	3.61	27.010	97.8	0.09
78	180.	11.331	35.385	3.60	27.015	97.8	0.09
70	182.	11.322	35.385	3.59	27.017	97.8	0.09
65	184.	11.284	35.383	3.59	27.022	97.8	0.09
64	186.	11.265	35.385	3.58	27.028	97.8	0.09
79	188.	11.241	35.388	3.56	27.034	98.0	0.08
81	190.	11.194	35.385	3.57	27.040	98.0	0.08
64	192.	11.100	35.369	3.55	27.045	98.0	0.08
67	194.	10.999	35.349	3.55	27.048	98.0	0.08
66	196.	10.846	35.322	3.59	27.055	98.1	0.07
85	198.	10.768	35.317	3.61	27.065	98.2	0.07
68	200.	10.658	35.302	3.62	27.073	98.2	0.07

STA 1 DAY: 18 TIME: 2015

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	TRAN (%)	ATN (m^{-1})
67	202.	10.694	35.321	3.61	27.082	98.2	0.07
66	204.	10.698	35.328	3.56	27.086	98.2	0.07
81	206.	10.725	35.340	3.54	27.090	98.1	0.08
68	208.	10.710	35.343	3.53	27.095	98.0	0.08
69	210.	10.691	35.341	3.48	27.098	98.0	0.08
66	212.	10.685	35.341	3.47	27.099	98.0	0.08
72	214.	10.657	35.338	3.48	27.101	98.0	0.08
76	216.	10.626	35.335	3.48	27.104	98.0	0.08
64	218.	10.585	35.331	3.48	27.108	98.0	0.08
76	220.	10.547	35.326	3.47	27.112	98.0	0.08
76	222.	10.537	35.326	3.46	27.113	98.0	0.08
57	224.	10.444	35.314	3.47	27.120	98.0	0.08
63	226.	10.402	35.309	3.46	27.124	98.1	0.08
97	228.	10.395	35.310	3.46	27.126	98.1	0.08
63	230.	10.375	35.308	3.47	27.128	98.1	0.08
57	232.	10.346	35.305	3.45	27.131	98.0	0.08
77	234.	10.318	35.301	3.45	27.133	98.0	0.08
75	236.	10.264	35.294	3.46	27.137	98.1	0.08
72	238.	10.224	35.291	3.46	27.141	98.2	0.07
69	240.	10.204	35.290	3.46	27.143	98.2	0.07
65	242.	10.176	35.287	3.45	27.146	98.2	0.07
76	244.	10.121	35.280	3.46	27.151	98.1	0.08
74	246.	10.081	35.276	3.47	27.154	98.0	0.08
66	248.	10.041	35.272	3.49	27.158	98.0	0.08
68	250.	10.002	35.267	3.48	27.161	98.0	0.08
78	252.	9.931	35.256	3.48	27.164	98.0	0.08
65	254.	9.823	35.240	3.53	27.170	98.0	0.08
65	256.	9.645	35.206	3.55	27.174	98.0	0.08
79	258.	9.531	35.183	3.59	27.175	98.1	0.08
75	260.	9.441	35.169	3.64	27.179	98.2	0.07
57	262.	9.458	35.180	3.67	27.184	98.2	0.07
68	264.	9.276	35.143	3.70	27.185	98.2	0.07
74	266.	9.099	35.120	3.73	27.196	98.2	0.07
82	268.	9.037	35.116	3.76	27.203	98.2	0.07
57	270.	9.011	35.121	3.78	27.212	98.2	0.07
59	272.	8.966	35.130	3.77	27.226	98.2	0.07
90	274.	9.000	35.142	3.74	27.230	98.2	0.07
68	276.	9.022	35.151	3.72	27.233	98.2	0.07
68	278.	9.006	35.148	3.69	27.234	98.2	0.07
65	280.	8.988	35.146	3.68	27.235	98.2	0.07
75	282.	8.975	35.146	3.69	27.237	98.2	0.07
75	284.	8.953	35.143	3.72	27.238	98.2	0.07
66	286.	8.924	35.139	3.70	27.240	98.2	0.07
69	288.	8.863	35.131	3.73	27.243	98.2	0.07
69	290.	8.830	35.129	3.73	27.247	98.2	0.07
75	292.	8.828	35.130	3.74	27.248	98.2	0.07
74	294.	8.843	35.135	3.74	27.249	98.2	0.07
67	296.	8.851	35.138	3.73	27.251	98.2	0.07
61	298.	8.868	35.142	3.72	27.251	98.2	0.07
68	300.	8.926	35.158	3.69	27.254	98.2	0.07

STA 1 DAY: 18 TIME: 2015

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	TRAN (%)	ATN (m^{-1})
85	302.	8.967	35.171	3.67	27.258	98.2	0.07
73	304.	8.948	35.167	3.65	27.258	98.2	0.07
62	306.	8.924	35.164	3.65	27.259	98.2	0.07
58	308.	8.916	35.163	3.64	27.260	98.2	0.07
86	310.	8.913	35.162	3.65	27.260	98.2	0.07
75	312.	8.866	35.155	3.68	27.261	98.2	0.07
57	314.	8.789	35.148	3.68	27.268	98.2	0.07
74	316.	8.699	35.137	3.69	27.274	98.2	0.07
70	318.	8.667	35.135	3.71	27.278	98.2	0.07
80	320.	8.647	35.134	3.73	27.280	98.2	0.07
68	322.	8.622	35.131	3.75	27.281	98.2	0.07
57	324.	8.584	35.127	3.72	27.284	98.2	0.07
82	326.	8.565	35.129	3.73	27.289	98.2	0.07
75	328.	8.502	35.120	3.78	27.292	98.2	0.07
60	330.	8.449	35.114	3.78	27.295	98.2	0.07
68	332.	8.333	35.092	3.81	27.296	98.2	0.07
84	334.	8.261	35.079	3.86	27.297	98.2	0.07
66	336.	8.197	35.071	3.91	27.300	98.2	0.07
58	338.	8.189	35.070	3.92	27.301	98.2	0.07
76	340.	8.207	35.077	3.92	27.304	98.2	0.07
90	342.	8.197	35.080	3.92	27.308	98.2	0.07
65	344.	8.085	35.063	3.94	27.311	98.2	0.07
70	346.	7.987	35.049	3.95	27.315	98.2	0.07
67	348.	7.910	35.036	4.00	27.316	98.2	0.07
78	350.	7.820	35.024	4.04	27.320	98.2	0.07
71	352.	7.728	35.021	4.08	27.331	98.2	0.07
73	354.	7.700	35.024	4.07	27.338	98.2	0.07
64	356.	7.687	35.027	4.10	27.342	98.2	0.07
76	358.	7.611	35.021	4.12	27.349	98.2	0.07
71	360.	7.608	35.039	4.10	27.363	98.2	0.07
77	362.	7.620	35.048	4.10	27.369	98.2	0.07
69	364.	7.646	35.059	4.09	27.373	98.2	0.07
60	366.	7.661	35.065	4.08	27.375	98.2	0.07
81	368.	7.706	35.082	4.06	27.382	98.1	0.08
80	370.	7.705	35.090	4.08	27.389	98.2	0.07
60	372.	7.644	35.087	4.08	27.395	98.2	0.07
63	374.	7.611	35.085	4.08	27.399	98.2	0.07
78	376.	7.588	35.084	4.10	27.401	98.2	0.07
86	378.	7.553	35.081	4.12	27.404	98.2	0.07
65	380.	7.534	35.081	4.12	27.407	98.2	0.07
60	382.	7.515	35.080	4.13	27.409	98.1	0.07
68	384.	7.488	35.078	4.14	27.411	98.2	0.07
85	386.	7.465	35.077	4.16	27.413	98.2	0.07
73	388.	7.411	35.073	4.17	27.418	98.1	0.08
70	390.	7.308	35.065	4.19	27.427	98.1	0.08
61	392.	7.237	35.062	4.21	27.434	98.2	0.07
70	394.	7.214	35.061	4.24	27.437	98.1	0.07
84	396.	7.198	35.061	4.27	27.439	98.2	0.07
83	398.	7.198	35.061	4.28	27.440	98.2	0.07
50	400.	7.199	35.062	4.28	27.440	98.2	0.07

STA 1 DAY: 18 TIME: 2015

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	TRAN (%)	ATN (m^{-1})
57	402.	7.197	35.061	4.25	27.440	98.2	0.07
104	404.	7.164	35.058	4.28	27.442	98.2	0.07
72	406.	7.148	35.058	4.29	27.444	98.2	0.07
59	408.	7.142	35.058	4.29	27.445	98.2	0.07
63	410.	7.124	35.056	4.29	27.446	98.1	0.08
75	412.	7.081	35.054	4.29	27.450	98.0	0.08
84	414.	7.076	35.054	4.34	27.451	98.0	0.08
70	416.	7.069	35.054	4.33	27.452	98.0	0.08
64	418.	7.060	35.053	4.32	27.452	98.0	0.08
69	420.	7.035	35.051	4.33	27.454	98.0	0.08
76	422.	7.009	35.049	4.35	27.456	98.0	0.08
75	424.	6.989	35.049	4.37	27.459	98.0	0.08
64	426.	6.949	35.045	4.39	27.461	98.0	0.08
66	428.	6.923	35.044	4.38	27.464	98.0	0.08
78	430.	6.918	35.044	4.40	27.465	98.0	0.08
74	432.	6.912	35.044	4.41	27.466	98.0	0.08
77	434.	6.905	35.043	4.41	27.466	98.0	0.08
68	436.	6.894	35.043	4.42	27.468	98.0	0.08
61	438.	6.883	35.043	4.41	27.469	98.0	0.08
76	440.	6.865	35.041	4.42	27.470	98.0	0.08
78	442.	6.843	35.040	4.43	27.472	97.8	0.09
78	444.	6.830	35.039	4.45	27.474	97.8	0.09
60	446.	6.803	35.038	4.46	27.477	97.8	0.09
71	448.	6.777	35.037	4.47	27.479	97.8	0.09
79	450.	6.765	35.036	4.49	27.480	97.8	0.09
188	452.	6.758	35.036	4.48	27.481	97.8	0.09
193	454.	6.748	35.035	4.44	27.481	97.8	0.09
181	456.	6.751	35.036	4.45	27.482	97.8	0.09
135	458.	6.719	35.033	4.46	27.484	97.8	0.09
196	460.	6.699	35.031	4.48	27.485	97.8	0.09
49	461.	6.688	35.031	4.48	27.486	97.8	0.09
96	462.	6.685	35.030	4.47	27.486	97.8	0.09
92	463.	6.677	35.030	4.47	27.488	97.8	0.09
99	464.	6.677	35.030	4.49	27.488	97.8	0.09
98	465.	6.676	35.031	4.48	27.488	97.8	0.09
111	466.	6.675	35.031	4.47	27.488	97.8	0.09
113	467.	6.676	35.031	4.45	27.488	97.8	0.09
87	468.	6.676	35.030	4.45	27.488	97.8	0.09
108	469.	6.669	35.030	4.47	27.488	97.8	0.09
91	470.	6.658	35.027	4.48	27.487	97.8	0.09
41	471.	6.636	35.026	4.51	27.489	97.8	0.09
47	472.	6.630	35.026	4.52	27.490	97.8	0.09

STA 2 DAY: 18 TIME: 2110

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	TRAN (%)	ATN (m^{-1})
73	0.	17.180	32.967	5.17	23.914	92.7	0.30
165	2.	17.184	32.968	5.22	23.913	93.5	0.27
142	4.	17.134	32.957	5.21	23.916	93.5	0.27
146	6.	17.157	32.965	5.23	23.917	93.5	0.27
124	8.	17.103	32.954	5.17	23.921	93.5	0.27
131	10.	17.031	32.953	5.25	23.937	93.4	0.27
124	12.	17.282	33.150	5.23	24.029	93.2	0.28
107	14.	18.677	33.854	5.05	24.228	93.5	0.27
145	16.	20.227	34.606	4.85	24.402	94.8	0.22
76	18.	20.789	34.834	4.72	24.426	95.3	0.19
152	20.	21.009	34.942	4.69	24.449	95.3	0.19
100	22.	21.149	35.009	4.58	24.462	95.4	0.19
89	24.	21.452	35.180	4.61	24.508	95.5	0.18
137	26.	21.619	35.263	4.57	24.525	95.9	0.17
74	28.	21.702	35.292	4.56	24.524	96.1	0.16
137	30.	21.720	35.301	4.59	24.526	96.3	0.15
94	32.	21.720	35.299	4.51	24.525	96.5	0.14
93	34.	21.724	35.301	4.59	24.525	96.5	0.14
129	36.	21.726	35.301	4.55	24.525	96.5	0.14
81	38.	21.731	35.302	4.52	24.524	96.5	0.14
141	40.	21.730	35.302	4.59	24.524	96.4	0.14
96	42.	21.409	35.193	4.55	24.530	96.4	0.15
96	44.	19.971	34.840	4.71	24.649	96.3	0.15
140	46.	19.150	34.723	4.69	24.773	96.4	0.15
95	48.	18.508	34.861	4.69	25.040	96.5	0.14
81	50.	17.100	34.820	4.87	25.354	96.6	0.14
138	52.	16.930	35.012	4.80	25.541	96.8	0.13
65	54.	17.252	35.162	4.71	25.579	96.8	0.13
104	56.	17.164	35.254	4.68	25.671	96.8	0.13
125	58.	16.926	35.340	4.57	25.794	97.0	0.12
90	60.	16.807	35.346	4.48	25.827	97.0	0.12
86	62.	16.346	35.272	4.50	25.878	97.2	0.11
132	64.	16.109	35.328	4.42	25.976	97.4	0.11
81	66.	15.947	35.330	4.36	26.014	97.5	0.10
94	68.	15.855	35.386	4.35	26.079	97.6	0.10
117	70.	15.879	35.470	4.28	26.138	97.7	0.09
100	72.	15.835	35.526	4.18	26.191	97.8	0.09
85	74.	15.748	35.548	4.15	26.228	97.8	0.09
110	76.	15.686	35.567	4.13	26.257	98.0	0.08
104	78.	15.372	35.565	4.11	26.326	98.0	0.08
100	80.	15.319	35.632	4.05	26.389	98.0	0.08
85	82.	15.008	35.607	4.07	26.439	98.2	0.07
125	84.	14.597	35.554	4.08	26.488	98.2	0.07
65	86.	14.579	35.563	4.09	26.499	98.2	0.07
125	88.	14.518	35.563	4.10	26.513	98.2	0.07
66	90.	14.414	35.551	4.06	26.525	98.2	0.07
116	92.	14.041	35.477	4.12	26.548	98.2	0.07
93	94.	13.677	35.410	4.16	26.572	98.2	0.07
76	96.	13.656	35.443	4.18	26.602	98.2	0.07
142	98.	13.721	35.467	4.13	26.607	98.2	0.07

STA 2 DAY: 18 TIME: 2110

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	TRAN (%)	ATN (m^{-1})
54	100.	13.599	35.444	4.13	26.615	98.2	0.07
47	102.	13.179	35.362	4.18	26.638	98.2	0.07
111	104.	12.683	35.262	4.26	26.660	98.2	0.07
76	106.	12.640	35.275	4.26	26.679	98.2	0.07
65	108.	12.577	35.269	4.28	26.686	98.2	0.07
66	110.	12.263	35.199	4.31	26.694	98.2	0.07
100	112.	12.293	35.230	4.28	26.712	98.2	0.07
78	114.	12.385	35.270	4.25	26.725	98.2	0.07
60	116.	12.413	35.286	4.24	26.732	98.2	0.07
79	118.	12.505	35.325	4.23	26.744	98.2	0.07
108	120.	12.476	35.330	4.18	26.753	98.2	0.07
57	122.	12.449	35.332	4.15	26.760	98.2	0.07
61	124.	12.412	35.335	4.16	26.770	98.2	0.07
104	126.	12.388	35.332	4.17	26.772	98.2	0.07
80	128.	12.350	35.321	4.15	26.771	98.2	0.07
60	130.	12.357	35.324	4.15	26.772	98.2	0.07
71	132.	12.324	35.317	4.16	26.773	98.2	0.07
101	134.	12.312	35.317	4.18	26.775	98.2	0.07
75	136.	12.323	35.324	4.15	26.779	98.2	0.07
73	138.	12.326	35.329	4.14	26.783	98.2	0.07
74	140.	12.317	35.335	4.12	26.788	98.0	0.08
90	142.	12.327	35.341	4.12	26.791	98.0	0.08
73	144.	12.371	35.354	4.05	26.793	98.1	0.08
72	146.	12.375	35.358	4.07	26.795	98.0	0.08
99	148.	12.337	35.355	4.04	26.800	98.0	0.08
62	150.	12.308	35.354	4.00	26.805	98.0	0.08
57	152.	12.287	35.354	3.98	26.809	98.0	0.08
119	154.	12.256	35.355	3.98	26.816	97.9	0.08
75	156.	12.241	35.358	3.97	26.821	97.8	0.09
56	158.	12.240	35.364	3.92	26.826	97.8	0.09
58	160.	12.238	35.370	3.91	26.831	97.8	0.09
123	162.	12.238	35.373	3.92	26.833	97.8	0.09
76	164.	12.232	35.374	3.89	26.835	97.8	0.09
60	166.	12.228	35.395	3.85	26.852	97.7	0.09
71	168.	12.312	35.446	3.83	26.876	97.8	0.09
96	170.	12.313	35.446	3.78	26.876	97.8	0.09
94	172.	12.268	35.436	3.74	26.876	97.8	0.09
61	174.	12.048	35.398	3.71	26.890	97.7	0.09
62	176.	11.942	35.392	3.70	26.905	97.5	0.10
106	178.	11.842	35.378	3.72	26.914	97.5	0.10
86	180.	11.802	35.376	3.68	26.920	97.3	0.11
59	182.	11.782	35.374	3.68	26.922	97.3	0.11
68	184.	11.771	35.374	3.70	26.924	97.2	0.11
117	186.	11.747	35.375	3.68	26.930	97.2	0.11
63	188.	11.724	35.382	3.66	26.939	97.3	0.11
56	190.	11.699	35.392	3.64	26.952	97.4	0.11
78	192.	11.693	35.407	3.64	26.965	97.6	0.10
118	194.	11.685	35.412	3.60	26.970	97.7	0.10
49	196.	11.670	35.414	3.56	26.975	97.6	0.10
51	198.	11.619	35.417	3.56	26.986	97.7	0.09

STA 2 DAY: 18 TIME: 2110

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	TRAN (%)	ATN (m^{-1})
122	200.	11.546	35.409	3.57	26.994	97.8	0.09
83	202.	11.524	35.409	3.54	26.998	97.8	0.09
51	204.	11.465	35.407	3.53	27.008	97.8	0.09
64	206.	11.318	35.397	3.53	27.027	97.8	0.09
120	208.	11.285	35.395	3.53	27.031	97.9	0.09
72	210.	11.227	35.391	3.49	27.039	97.9	0.09
60	212.	11.187	35.389	3.49	27.045	97.8	0.09
75	214.	11.163	35.387	3.49	27.048	97.9	0.09
115	216.	11.073	35.377	3.49	27.056	97.9	0.08
59	218.	10.943	35.371	3.46	27.075	97.9	0.08
57	220.	10.812	35.360	3.46	27.090	97.9	0.08
97	222.	10.672	35.339	3.47	27.099	98.0	0.08
97	224.	10.494	35.318	3.45	27.115	98.0	0.08
68	226.	10.432	35.314	3.48	27.122	98.0	0.08
65	228.	10.415	35.312	3.49	27.124	98.0	0.08
107	230.	10.375	35.308	3.48	27.128	98.0	0.08
74	232.	10.361	35.307	3.48	27.129	98.0	0.08
61	234.	10.355	35.306	3.46	27.130	98.0	0.08
75	236.	10.348	35.305	3.46	27.131	98.0	0.08
117	238.	10.316	35.301	3.47	27.133	98.0	0.08
61	240.	10.281	35.299	3.46	27.137	98.0	0.08
57	242.	10.266	35.298	3.45	27.139	98.0	0.08
98	244.	10.251	35.297	3.46	27.141	98.0	0.08
96	246.	10.238	35.296	3.47	27.142	98.0	0.08
72	248.	10.225	35.294	3.45	27.143	98.0	0.08
68	250.	10.203	35.292	3.45	27.145	98.0	0.08
84	252.	10.175	35.290	3.46	27.148	98.0	0.08
91	254.	10.096	35.280	3.46	27.155	97.9	0.08
76	256.	9.923	35.261	3.47	27.170	98.0	0.08
69	258.	9.877	35.260	3.46	27.176	97.9	0.08
109	260.	9.851	35.258	3.47	27.179	98.0	0.08
117	262.	9.749	35.247	3.50	27.188	98.0	0.08
136	264.	9.723	35.246	3.50	27.192	98.0	0.08
150	266.	9.698	35.243	3.49	27.194	98.0	0.08
151	268.	9.683	35.242	3.49	27.195	98.0	0.08
143	270.	9.622	35.234	3.50	27.200	98.0	0.08
32	271.	9.592	35.232	3.51	27.203	98.0	0.08
91	272.	9.589	35.232	3.51	27.203	98.0	0.08
97	273.	9.583	35.232	3.49	27.204	98.0	0.08
69	274.	9.570	35.230	3.52	27.205	98.0	0.08
117	275.	9.563	35.230	3.49	27.206	98.0	0.08
87	276.	9.556	35.229	3.50	27.206	98.0	0.08
86	277.	9.541	35.226	3.51	27.207	98.0	0.08
106	278.	9.524	35.224	3.50	27.208	98.0	0.08
72	279.	9.490	35.220	3.51	27.211	98.0	0.08
67	280.	9.457	35.218	3.52	27.215	98.0	0.08
61	281.	9.425	35.216	3.52	27.218	98.0	0.08
89	282.	9.400	35.214	3.52	27.221	98.0	0.08
88	283.	9.380	35.211	3.53	27.222	98.0	0.08
100	284.	9.352	35.209	3.54	27.225	98.0	0.08
50	285.	9.350	35.209	3.54	27.225	98.0	0.08

STA 3 DAY: 18 TIME: 2222

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	TRAN (%)	ATN (m^{-1})
63	2.	17.123	32.896	5.36	23.872	93.4	0.27
162	4.	17.059	32.912	5.38	23.900	93.4	0.27
107	6.	16.998	32.928	5.38	23.926	93.4	0.27
130	8.	16.960	32.923	5.43	23.931	93.4	0.27
103	10.	16.929	32.919	5.40	23.936	93.4	0.27
87	12.	16.965	32.936	5.40	23.940	93.2	0.28
159	14.	17.040	32.981	5.35	23.957	93.3	0.28
118	16.	17.160	33.140	5.29	24.050	93.1	0.29
177	18.	18.009	33.765	5.18	24.325	94.0	0.25
134	20.	20.581	34.839	4.92	24.486	95.6	0.18
153	22.	21.586	35.279	4.82	24.546	96.5	0.14
157	24.	21.596	35.267	4.73	24.535	96.5	0.14
148	26.	21.622	35.275	4.75	24.534	96.6	0.14
172	28.	21.630	35.278	4.75	24.534	96.6	0.14
126	30.	21.629	35.283	4.78	24.538	96.6	0.14
142	32.	21.742	35.320	4.72	24.535	97.0	0.12
105	34.	21.752	35.322	4.72	24.533	97.0	0.12
142	36.	21.750	35.322	4.71	24.534	97.0	0.12
97	38.	21.638	35.300	4.65	24.548	97.0	0.12
111	40.	20.076	34.984	4.76	24.731	96.8	0.13
101	42.	19.095	34.871	4.76	24.899	96.6	0.14
96	44.	19.148	34.917	4.78	24.921	96.6	0.14
80	46.	19.326	34.995	4.77	24.935	96.6	0.14
114	48.	19.286	35.068	4.77	25.001	96.6	0.14
83	50.	18.491	35.098	4.84	25.226	96.6	0.14
86	52.	17.495	35.144	4.85	25.507	96.7	0.13
112	54.	16.964	35.082	4.72	25.587	96.8	0.13
87	56.	16.611	35.078	4.70	25.667	96.9	0.12
64	58.	16.236	35.120	4.72	25.787	97.0	0.12
123	60.	16.060	35.144	4.64	25.845	97.2	0.11
77	62.	15.945	35.248	4.58	25.952	97.4	0.11
91	64.	15.951	35.365	4.52	26.041	97.5	0.10
103	66.	15.932	35.384	4.43	26.059	97.6	0.10
82	68.	15.892	35.392	4.39	26.075	97.7	0.09
94	70.	16.031	35.506	4.31	26.130	97.7	0.09
102	72.	16.287	35.650	4.21	26.183	97.8	0.09
73	74.	16.361	35.686	4.14	26.193	97.8	0.09
113	76.	16.390	35.758	4.08	26.241	97.9	0.09
76	78.	16.260	35.765	4.02	26.277	98.0	0.08
75	80.	16.022	35.754	4.03	26.324	98.0	0.08
119	82.	15.615	35.664	4.06	26.347	98.0	0.08
90	84.	15.349	35.644	4.10	26.392	98.0	0.08
81	86.	15.390	35.691	4.09	26.419	98.1	0.08
144	88.	15.380	35.707	4.05	26.433	98.2	0.07
96	90.	15.273	35.689	4.03	26.444	98.2	0.07
162	92.	15.183	35.673	4.05	26.452	98.2	0.07
113	94.	14.952	35.625	4.06	26.466	98.2	0.07
130	96.	14.869	35.609	4.06	26.471	98.2	0.07
82	98.	14.758	35.589	4.06	26.480	98.2	0.07
87	100.	14.364	35.515	4.10	26.508	98.2	0.07

STA 3 DAY: 18 TIME: 2222

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	TRAN (%)	ATN (m^{-1})
74	102.	13.888	35.447	4.09	26.557	98.2	0.07
79	104.	13.195	35.324	4.20	26.605	98.2	0.07
83	106.	12.753	35.249	4.21	26.636	98.0	0.08
70	108.	12.404	35.210	4.21	26.674	97.6	0.10
67	110.	12.226	35.186	4.20	26.691	97.0	0.12
64	112.	12.186	35.186	4.17	26.698	96.7	0.13
77	114.	12.222	35.207	4.13	26.707	96.8	0.13
90	116.	12.212	35.209	4.16	26.711	96.9	0.13
61	118.	12.191	35.210	4.15	26.716	96.8	0.13
50	120.	12.187	35.212	4.14	26.719	96.8	0.13
78	122.	12.186	35.214	4.16	26.720	97.0	0.12
80	124.	12.188	35.215	4.11	26.721	97.0	0.12
73	126.	12.192	35.217	4.11	26.721	97.0	0.12
68	128.	12.194	35.217	4.11	26.721	97.0	0.12
59	130.	12.204	35.221	4.12	26.722	97.0	0.12
75	132.	12.202	35.223	4.12	26.724	97.0	0.12
73	134.	12.211	35.228	4.10	26.726	97.0	0.12
78	136.	12.158	35.227	4.09	26.735	96.9	0.12
71	138.	12.154	35.234	4.09	26.742	96.8	0.13
56	140.	12.182	35.247	4.06	26.746	96.8	0.13
68	142.	12.233	35.276	4.04	26.759	97.0	0.12
93	144.	12.235	35.289	4.04	26.769	97.0	0.12
64	146.	12.231	35.293	4.02	26.773	97.0	0.12
63	148.	12.228	35.295	4.01	26.775	96.9	0.13
64	150.	12.234	35.297	4.01	26.776	96.9	0.13
86	152.	12.288	35.317	4.01	26.781	97.1	0.12
75	154.	12.329	35.335	4.01	26.787	97.6	0.10
57	156.	12.287	35.330	4.02	26.791	97.5	0.10
67	158.	12.267	35.330	4.00	26.794	97.5	0.10
132	160.	12.169	35.328	3.96	26.812	97.2	0.12
27	161.	12.119	35.335	3.91	26.827	97.0	0.12
41	162.	12.092	35.339	3.86	26.836	97.0	0.12
42	163.	12.073	35.342	3.87	26.841	97.0	0.12
64	164.	12.058	35.344	3.86	26.846	97.0	0.12
84	165.	12.050	35.346	3.83	26.849	97.0	0.12
43	166.	12.042	35.348	3.83	26.852	97.0	0.12
45	167.	12.026	35.349	3.85	26.856	97.1	0.12
62	168.	12.013	35.351	3.85	26.860	97.1	0.12
86	169.	12.004	35.353	3.80	26.863	97.1	0.12
92	170.	11.995	35.355	3.81	26.866	97.1	0.12
62	171.	11.992	35.355	3.79	26.867	97.1	0.12

STA 4 DAY: 18 TIME: 2324

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
5.1	17.7	59.7	11.4	119.9	12.7
6.9	17.8	60.1	11.5	121.1	12.7
9.5	17.8	61.1	11.6	121.7	12.6
11.5	17.8	61.9	11.5	122.4	12.5
13.9	17.8	63.3	11.3	124.0	12.5
14.9	17.9	64.4	11.1	125.1	12.6
16.4	17.9	65.1	10.8	126.0	12.7
18.5	18.0	66.1	10.6	128.9	12.8
20.0	18.0	66.8	10.4	131.9	12.7
21.6	18.0	68.0	10.4	133.9	12.7
21.7	18.1	70.5	10.4	137.6	12.7
22.8	18.1	72.6	10.6	140.8	12.7
24.4	18.1	73.3	10.9		
25.5	18.3	73.8	11.1		
26.2	19.0	74.3	11.4		
26.9	19.6	75.1	11.5		
27.9	20.4	76.1	11.6		
28.6	20.9	77.6	11.6		
29.2	21.3	80.8	11.6		
30.0	21.4	82.1	11.7		
31.6	21.5	83.1	11.8		
32.9	21.6	84.0	11.9		
34.3	21.6	85.1	11.9		
34.9	21.6	87.3	12.0		
35.5	21.5	88.6	12.0		
37.1	21.5	90.0	12.0		
38.8	21.5	91.2	12.0		
40.8	21.5	92.3	11.9		
42.6	21.5	93.5	11.8		
43.1	21.4	95.1	11.7		
44.0	21.0	97.8	11.7		
44.1	20.0	100.4	11.7		
44.4	19.0	102.6	11.7		
44.7	18.0	104.1	11.7		
45.1	17.0	105.3	11.8		
45.3	16.0	105.2	12.0		
46.0	15.0	105.5	12.2		
46.9	14.0	106.3	12.3		
48.3	13.0	107.1	12.5		
48.9	12.7	108.3	12.4		
50.1	12.9	109.2	12.2		
50.9	12.6	110.4	12.2		
52.0	12.3	111.1	12.3		
53.4	12.0	111.7	12.4		
54.2	11.9	113.5	12.4		
54.8	11.8	113.6	12.5		
55.3	11.7	114.1	12.5		
56.2	11.5	115.3	12.6		
57.1	11.4	116.5	12.6		
58.8	11.4	117.3	12.7		

STA 5 DAY: 19 TIME: 0011

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
209	2.	16.994	32.772	5.18	23.807	96.1	0.16
164	4.	16.996	32.772	5.23	23.807	96.1	0.16
185	6.	16.999	32.773	5.17	23.807	96.0	0.16
182	8.	17.005	32.775	5.16	23.807	96.1	0.16
143	10.	17.027	32.790	5.18	23.813	96.0	0.17
115	12.	17.055	32.812	5.21	23.823	95.9	0.17
118	14.	16.982	32.814	5.29	23.842	95.9	0.17
113	16.	16.934	32.811	5.30	23.851	95.8	0.17
112	18.	16.924	32.810	5.29	23.853	95.8	0.17
111	20.	16.921	32.810	5.28	23.854	95.7	0.17
104	22.	16.913	32.808	5.28	23.854	95.9	0.17
125	24.	16.914	32.811	5.29	23.856	95.9	0.17
78	26.	16.942	32.821	5.27	23.857	96.1	0.16
104	28.	17.253	32.989	5.22	23.913	96.2	0.15
123	30.	18.064	33.418	5.02	24.046	96.7	0.13
84	32.	17.060	33.339	5.09	24.227	96.8	0.13
106	34.	14.853	32.880	5.23	24.370	97.0	0.12
116	36.	13.812	32.770	5.28	24.503	97.1	0.12
78	38.	12.793	32.910	5.36	24.816	97.1	0.12
123	40.	11.905	32.846	5.47	24.935	96.9	0.13
99	42.	11.112	32.788	5.52	25.034	96.5	0.14
78	44.	10.648	32.839	5.50	25.155	96.0	0.16
132	46.	10.446	32.905	5.50	25.241	95.2	0.20
98	48.	10.521	32.966	5.45	25.276	95.4	0.19
77	50.	10.396	32.969	5.43	25.300	95.5	0.18
132	52.	10.362	32.974	5.49	25.309	95.5	0.18
86	54.	10.185	32.978	5.47	25.343	95.4	0.19
107	56.	10.132	32.992	5.45	25.362	95.4	0.19
107	58.	10.074	33.007	5.47	25.384	95.4	0.19
94	60.	10.084	33.025	5.40	25.397	95.5	0.19
100	62.	10.007	33.039	5.44	25.420	95.6	0.18
108	64.	9.862	33.055	5.44	25.457	95.7	0.17
100	66.	9.857	33.067	5.44	25.467	95.9	0.17
95	68.	9.833	33.069	5.42	25.472	95.9	0.17
114	70.	9.712	33.069	5.40	25.492	95.9	0.17
102	72.	9.625	33.071	5.44	25.509	95.9	0.17
101	74.	9.514	33.102	5.41	25.551	95.6	0.18
105	76.	9.481	33.167	5.37	25.607	94.9	0.21
112	78.	9.586	33.225	5.32	25.635	94.8	0.21
87	80.	9.659	33.287	5.34	25.671	94.8	0.22
93	82.	9.730	33.335	5.31	25.697	94.6	0.22
130	84.	9.800	33.353	5.32	25.700	94.5	0.22
74	86.	10.281	33.544	5.22	25.767	94.7	0.22
132	88.	11.306	34.022	5.06	25.959	95.8	0.17
107	90.	11.055	34.125	5.01	26.084	94.7	0.22
29	91.	11.084	34.239	4.91	26.169	93.7	0.26
81	92.	11.106	34.304	4.81	26.215	93.7	0.26
81	93.	11.084	34.404	4.79	26.297	93.8	0.26
57	94.	10.898	34.428	4.79	26.349	94.1	0.24
64	95.	11.056	34.560	4.72	26.423	93.7	0.26

STA 5 DAY: 19 TIME: 0011

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
104	96.	11.187	34.614	4.62	26.442	92.9	0.30
55	97.	11.274	34.644	4.53	26.449	92.1	0.33
70	98.	11.314	34.658	4.55	26.453	91.6	0.35
63	99.	11.323	34.660	4.52	26.452	91.3	0.37
48	100.	11.326	34.662	4.52	26.453	91.1	0.37

STA 6 DAY: 19 TIME: 2034

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
4.0	21.1	53.3	16.2	71.1	9.1	151.7	9.3	259.8	8.1
6.6	21.1	53.9	16.1	71.3	8.9	152.8	9.3	262.1	8.1
8.0	21.1	55.5	16.1	70.9	8.7	155.2	9.3	266.1	8.1
9.6	21.1	57.0	16.0	71.4	8.6	157.4	9.4	267.0	8.0
13.5	21.1	57.4	16.0	71.6	8.4	159.7	9.4	269.1	8.0
16.3	21.1	58.2	15.9	71.2	8.2	161.8	9.4	271.7	8.0
19.5	21.1	59.1	15.8	71.3	8.1	164.7	9.5	274.2	8.0
23.4	21.1	60.9	15.8	71.9	7.9	167.3	9.5	277.7	8.0
26.3	21.1	62.2	15.9	72.4	7.8	169.3	9.5	279.1	8.0
29.7	21.1	63.3	15.9	72.9	7.7	171.5	9.5	280.7	7.9
31.8	21.1	64.9	15.6	73.9	7.7	174.1	9.5	283.0	7.9
34.0	21.1	65.1	15.5	75.7	7.7	176.6	9.5	286.4	7.9
38.7	21.1	65.0	15.3	77.7	7.8	179.1	9.5	289.9	7.9
40.8	21.1	65.0	15.1	78.3	7.8	180.1	9.5	293.2	7.9
42.1	20.8	65.2	15.1	81.1	7.8	182.6	9.6	296.9	7.9
43.0	20.6	65.4	14.9	82.5	7.8	185.5	9.6	299.6	7.9
42.1	20.8	65.4	14.7	84.3	7.8	187.7	9.5	304.3	7.8
42.4	20.7	65.5	14.5	85.7	7.7	189.6	9.4	308.1	7.8
42.8	20.5	66.2	14.4	88.8	7.7	191.2	9.4	311.1	7.8
43.3	20.3	66.4	14.3	90.7	7.8	191.7	9.4	312.0	7.7
43.5	20.1	67.1	14.2	95.3	7.9	192.7	9.4	314.9	7.7
43.8	20.0	67.7	14.1	97.9	7.9	194.3	9.3	317.1	7.7
43.9	19.8	67.8	13.9	99.9	8.0	195.8	9.3	318.7	7.7
43.9	19.7	69.0	13.8	101.4	8.1	197.2	9.1	322.6	7.7
44.1	19.5	68.5	13.6	102.1	8.2	201.1	9.0	325.9	7.7
44.2	19.3	68.0	13.4	104.2	8.3	203.8	9.0	328.1	7.7
44.4	19.1	68.2	13.3	106.2	8.4	206.0	9.0	331.3	7.7
44.7	19.0	68.8	13.1	107.8	8.4	209.1	8.9	335.3	7.7
44.7	18.9	68.6	12.9	109.5	8.4	213.7	8.8	338.1	7.7
44.6	18.7	68.7	12.7	111.3	8.4	216.4	8.7	341.5	7.7
44.9	18.6	68.9	12.6	113.1	8.4	218.0	8.7	344.7	7.6
45.4	18.5	68.9	12.4	115.2	8.5	219.7	8.6	347.9	7.6
45.0	18.3	69.1	12.3	116.6	8.6	222.1	8.5	350.8	7.6
45.1	18.2	68.9	12.1	118.8	8.7	224.9	8.4	353.7	7.6
45.5	18.0	69.1	11.9	120.5	8.8	228.3	8.4	356.7	7.6
45.6	17.9	68.7	11.7	123.1	8.9	229.9	8.4	358.8	7.6
45.8	17.6	68.8	11.6	125.5	8.9	231.7	8.4	361.3	7.6
46.2	17.5	68.7	11.4	128.1	8.9	234.2	8.3	363.0	7.5
46.8	17.4	68.8	11.4	131.3	8.9	236.5	8.3	365.7	7.5
47.2	17.2	68.9	11.3	134.8	8.9	238.4	8.2	367.8	7.5
47.5	17.1	69.6	11.1	136.5	8.9	239.5	8.2	369.5	7.4
47.7	17.0	69.3	11.0	138.5	8.9	241.1	8.2	372.7	7.4
48.8	16.8	69.6	10.8	141.0	8.9	242.7	8.2	375.5	7.4
49.5	16.7	69.6	10.4	142.1	8.9	245.0	8.2	378.8	7.4
50.1	16.6	69.4	10.2	144.4	8.8	246.6	8.2	382.3	7.3
50.5	16.6	70.2	9.9	145.2	8.8	248.8	8.2	385.9	7.3
50.9	16.6	70.3	9.7	147.1	8.9	250.7	8.2	389.7	7.3
51.7	16.5	70.4	9.5	148.8	9.1	252.7	8.2	392.4	7.3
52.0	16.4	70.8	9.4	149.9	9.2	254.8	8.2	396.3	7.3
52.6	16.3	70.4	9.3	151.0	9.2	257.2	8.2	401.1	7.2

STA 6 DAY: 19 TIME: 2034

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
405.1	7.3	539.8	6.8	685.5	6.1
408.4	7.2	542.7	6.7	689.0	6.1
410.2	7.2	545.1	6.7	691.7	6.1
412.7	7.2	548.3	6.7	695.9	6.1
417.2	7.2	551.2	6.7	699.3	6.0
419.6	7.2	553.5	6.7	702.6	6.0
421.7	7.3	554.1	6.6	706.5	6.0
424.4	7.3	555.6	6.6	709.5	6.0
427.2	7.4	557.9	6.6	713.1	6.0
429.2	7.4	560.8	6.6	718.5	6.0
431.0	7.4	563.5	6.6	721.1	6.0
434.0	7.4	566.3	6.6	726.0	5.9
438.4	7.4	569.2	6.6	730.4	5.9
441.1	7.4	573.0	6.6	735.1	5.9
443.6	7.4	576.7	6.5	739.1	5.9
446.6	7.4	579.3	6.5	741.4	5.8
450.2	7.4	582.2	6.5	744.5	5.8
452.5	7.4	585.9	6.5	747.4	5.8
454.3	7.4	589.0	6.5	750.7	5.8
456.6	7.3	594.6	6.5		
457.9	7.2	597.3	6.5		
459.7	7.1	600.2	6.5		
461.3	7.0	603.8	6.4		
464.1	7.0	606.3	6.4		
467.3	6.9	609.0	6.4		
471.8	6.9	611.0	6.4		
477.0	6.9	615.0	6.4		
479.4	6.9	618.2	6.4		
481.6	6.9	619.9	6.4		
484.4	6.9	623.7	6.3		
488.2	6.9	626.0	6.3		
491.4	6.9	628.1	6.3		
495.1	6.9	630.3	6.3		
498.1	6.9	633.5	6.3		
500.2	6.9	637.7	6.3		
503.6	6.9	639.6	6.3		
505.4	6.9	642.0	6.2		
506.9	6.8	645.1	6.2		
508.5	6.8	647.6	6.2		
510.1	6.8	649.5	6.1		
513.1	6.8	652.1	6.1		
516.2	6.8	654.5	6.1		
519.3	6.8	658.2	6.1		
522.2	6.8	660.5	6.1		
525.4	6.8	663.5	6.1		
528.3	6.8	666.8	6.1		
530.3	6.8	669.9	6.1		
532.6	6.8	673.5	6.1		
535.7	6.8	678.4	6.1		
537.9	6.8	681.4	6.1		

STA 7 DAY: 19 TIME: 2309

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
2.3	21.5	42.6	16.2	64.0	7.5	160.9	8.6	313.8	6.2
4.9	21.5	42.8	16.1	66.1	7.5	167.0	8.6	316.5	6.1
6.9	21.5	43.1	15.9	68.8	7.5	168.0	8.4	318.7	6.1
8.3	21.5	44.1	15.7	70.7	7.5	171.8	8.4	323.1	6.1
9.2	21.5	44.5	15.5	72.7	7.5	174.6	8.4	326.4	6.1
12.3	21.5	44.7	15.4	73.9	7.6	178.1	8.4	329.6	6.0
14.1	21.5	45.7	15.3	76.3	7.6	180.5	8.3	333.6	6.0
16.3	21.5	46.1	15.1	78.3	7.7	183.9	8.3	336.7	6.0
18.6	21.5	46.6	14.9	79.4	7.8	186.3	8.2	339.0	6.0
19.2	21.5	47.0	14.6	80.4	7.9	189.6	8.2	342.0	6.0
21.6	21.5	47.2	14.4	81.3	8.0	191.2	8.1	345.0	6.1
24.6	21.5	47.7	14.2	83.1	8.0	192.8	8.1	347.8	6.1
26.0	21.5	48.0	13.9	84.9	7.9	195.6	8.1	350.0	6.1
26.6	21.4	47.8	13.8	87.7	8.0	198.1	8.0	351.3	6.1
27.2	21.3	47.9	13.5	89.1	8.0	200.4	7.9	354.7	6.1
27.8	21.1	48.3	13.3	90.3	8.2	205.1	7.9	357.4	6.1
28.1	21.0	48.4	13.1	92.9	8.2	207.9	7.9	359.2	6.1
28.6	20.8	48.5	12.8	94.8	8.4	209.3	7.9	361.8	6.1
29.0	20.7	48.5	12.7	95.2	8.5	212.7	7.8	364.2	6.1
29.4	20.4	48.5	12.5	95.9	8.7	215.6	7.7	366.7	6.1
29.9	20.2	48.1	12.4	97.5	8.9	218.3	7.6	370.5	6.1
30.4	20.1	48.5	12.3	97.8	9.1	223.3	7.6	373.4	6.1
30.9	20.0	48.5	12.1	98.5	9.4	228.1	7.6	377.1	6.1
31.4	19.8	48.7	12.0	98.6	9.6	231.3	7.6	379.7	6.0
31.7	19.6	48.7	11.8	99.6	9.8	235.1	7.5	383.2	6.0
31.8	19.5	48.8	11.6	100.6	9.7	236.8	7.5	386.5	6.0
31.6	19.3	49.1	11.4	100.8	9.5	240.2	7.5	388.6	5.9
32.0	19.2	49.7	11.2	100.9	9.4	244.5	7.4	391.5	5.8
32.2	19.0	50.0	10.9	101.0	9.3	247.4	7.3	393.8	5.8
32.2	18.9	50.2	10.8	101.1	9.1	251.3	7.2	397.6	5.8
32.6	18.7	50.4	10.5	101.7	8.9	255.1	7.2	401.4	5.8
32.6	18.5	50.6	10.4	102.3	8.8	257.6	7.2	405.1	5.7
33.0	18.5	50.7	10.2	102.6	8.6	259.8	7.0	406.8	5.7
33.3	18.3	50.8	10.0	103.6	8.5	261.8	6.9	409.3	5.7
33.5	18.1	50.8	9.9	106.0	8.5	265.0	6.8	411.2	5.6
33.7	18.0	50.8	9.8	108.9	8.5	268.0	6.8	412.9	5.5
33.8	17.9	51.1	9.6	112.2	8.5	270.9	6.8	417.0	5.5
33.8	17.8	51.3	9.4	113.8	8.4	275.0	6.7	420.2	5.4
34.5	17.7	52.0	9.2	115.9	8.5	278.0	6.7	423.4	5.4
35.3	17.7	53.2	9.1	118.9	8.6	281.1	6.7	426.4	5.3
36.0	17.6	54.3	8.9	122.6	8.6	285.4	6.7	428.6	5.3
36.3	17.5	54.8	8.7	125.2	8.5	287.1	6.6	432.9	5.3
36.8	17.4	55.3	8.5	129.8	8.5	289.7	6.6	435.9	5.2
37.8	17.4	56.6	8.4	134.3	8.5	292.4	6.5	438.9	5.3
39.4	17.2	56.9	8.3	136.3	8.6	295.9	6.4	440.8	5.2
40.1	17.1	57.0	8.2	139.9	8.6	300.2	6.4	444.0	5.2
40.3	17.0	57.7	7.9	144.8	8.6	304.4	6.4	446.0	5.2
41.0	16.8	58.0	7.8	146.9	8.6	306.6	6.3	448.6	5.2
41.5	16.6	58.9	7.6	152.1	8.7	307.3	6.2	449.4	5.2
42.0	16.4	61.3	7.5	156.6	8.7	311.6	6.2	449.8	5.2

STA 7 DAY: 19 TIME: 2309

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
453.2	5.2	659.3	4.4
456.2	5.2	663.6	4.4
459.4	5.2	666.2	4.4
461.5	5.2	670.2	4.4
464.1	5.1	676.6	4.4
468.1	5.1	682.7	4.4
470.5	5.1	687.6	4.4
473.3	5.1	693.8	4.4
476.0	5.1	701.8	4.4
477.5	5.1	707.7	4.4
478.6	5.0	712.1	4.3
482.4	5.0	716.3	4.3
485.1	4.9	721.5	4.3
489.4	4.9	727.0	4.3
491.6	4.9	732.4	4.3
493.0	4.9	738.5	4.3
494.5	4.8	741.7	4.3
498.7	4.8	746.9	4.3
501.4	4.8	750.3	4.3
507.0	4.8		
512.0	4.8		
515.6	4.8		
519.0	4.8		
523.9	4.8		
529.8	4.8		
534.9	4.7		
538.9	4.7		
543.0	4.7		
548.5	4.7		
553.0	4.7		
557.2	4.7		
561.1	4.7		
564.8	4.7		
570.6	4.6		
574.7	4.6		
581.3	4.6		
587.6	4.6		
593.3	4.6		
599.1	4.5		
605.0	4.5		
611.1	4.5		
617.1	4.5		
621.8	4.5		
626.9	4.5		
632.5	4.5		
636.7	4.5		
643.0	4.5		
648.5	4.5		
651.5	4.5		
656.0	4.5		

STA 8 DAY: 19 TIME: 2350

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.1	21.3	49.9	12.9	81.5	11.7	199.0	9.1	403.9	6.1
4.4	21.3	50.3	12.8	82.8	11.6	200.9	9.0	408.0	6.1
6.4	21.3	50.4	12.4	84.5	11.6	205.5	9.0	413.8	6.0
9.9	21.3	50.7	12.2	85.8	11.7	208.8	8.9	418.0	6.0
13.3	21.3	50.7	11.9	87.4	11.8	211.2	8.8	419.8	6.0
18.7	21.4	50.8	11.6	90.0	11.9	215.9	8.7	420.4	5.8
22.5	21.3	51.4	11.4	93.9	11.9	218.9	8.6	424.5	5.8
26.0	21.3	51.2	11.2	96.8	11.9	220.9	8.5	428.9	5.7
29.8	21.3	51.6	11.0	99.1	11.8	223.6	8.4	430.2	5.6
30.4	21.3	51.9	10.8	101.4	11.8	226.1	8.4	432.3	5.6
31.3	21.2	51.9	10.7	102.5	11.6	229.6	8.3	436.9	5.6
31.9	20.9	52.1	10.5	103.7	11.5	231.7	8.2	439.1	5.5
32.1	20.7	53.3	10.6	104.4	11.4	234.6	8.1	442.6	5.5
32.3	20.5	54.4	10.5	105.5	11.3	239.6	8.0	445.6	5.4
32.5	20.3	55.2	10.3	108.7	11.3	243.3	7.9	448.1	5.4
32.7	20.1	55.3	10.1	110.6	11.2	246.3	7.9	449.7	5.4
33.0	19.9	55.8	9.9	111.6	11.1	249.6	7.8	449.7	5.4
33.1	19.7	56.1	9.7	115.3	11.0	254.2	7.8	453.7	5.4
33.7	19.5	56.7	9.6	117.4	11.0	257.6	7.7	458.2	5.4
33.8	19.4	57.3	9.3	119.3	10.8	260.3	7.6	459.6	5.3
34.3	19.1	58.1	8.9	121.2	10.8	264.6	7.4	461.5	5.3
34.7	18.9	58.2	8.6	126.6	10.7	269.3	7.4	466.2	5.3
35.2	18.7	59.4	8.3	129.2	10.6	270.9	7.3	470.2	5.4
35.7	18.5	59.3	8.1	132.1	10.6	276.1	7.3	474.0	5.3
36.2	18.3	59.3	8.0	134.2	10.5	278.9	7.2	476.0	5.3
36.8	18.1	61.4	8.1	136.7	10.4	282.7	7.2	478.3	5.3
37.3	18.0	62.5	8.1	139.2	10.3	284.9	7.0	484.2	5.3
37.4	17.8	63.7	8.0	143.3	10.3	290.4	7.0	486.2	5.3
37.7	17.6	64.7	8.3	145.5	10.3	294.7	7.0	489.0	5.2
37.9	17.4	65.3	8.4	147.6	10.3	297.7	6.9	493.3	5.2
38.2	17.1	65.4	8.7	149.5	10.2	301.7	6.8	498.4	5.2
38.1	16.9	65.9	8.9	150.9	10.1	307.0	6.7	504.6	5.2
38.2	16.8	66.3	9.1	153.4	10.1	314.0	6.7	508.5	5.2
38.5	16.5	66.7	9.3	156.5	10.1	321.8	6.7	512.7	5.1
38.6	16.2	67.3	9.6	159.0	10.0	327.7	6.7	517.7	5.1
38.8	16.0	67.9	9.8	159.9	10.0	333.5	6.6	522.2	5.1
39.7	15.8	68.2	9.9	165.5	10.0	337.8	6.6	526.1	5.1
39.7	15.6	68.5	10.2	166.8	9.9	341.4	6.5	527.5	5.0
40.5	15.4	68.8	10.4	168.1	9.8	345.4	6.5	533.7	5.0
40.7	15.1	69.7	10.5	168.7	9.7	349.2	6.5	539.8	5.0
41.3	14.9	70.2	10.4	171.7	9.7	353.3	6.4	546.3	5.0
41.7	14.7	70.5	10.3	174.4	9.6	358.9	6.4	551.5	5.0
42.1	14.5	73.1	10.4	177.6	9.6	363.6	6.3	553.3	5.0
42.1	14.2	73.7	10.6	180.2	9.5	367.8	6.3	555.3	5.0
42.7	13.9	73.9	10.8	183.0	9.4	373.8	6.2	559.2	5.0
43.2	13.6	74.3	10.9	183.3	9.3	379.0	6.2	561.4	4.9
44.0	13.3	74.6	11.2	187.7	9.3	383.9	6.2	564.8	4.9
44.4	13.1	74.9	11.4	189.7	9.3	389.1	6.1	568.6	4.9
44.5	13.0	77.2	11.5	192.4	9.1	392.8	6.1	571.7	4.9
48.8	13.3	79.0	11.6	196.0	9.1	399.0	6.1	574.7	4.9

STA 8 DAY: 19 TIME: 2350

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
578.4	4.9	750.4	4.5
582.3	4.9		
586.1	4.9		
589.5	4.9		
594.4	4.8		
598.4	4.8		
603.4	4.8		
608.5	4.8		
614.5	4.8		
618.2	4.8		
621.0	4.8		
625.9	4.8		
628.7	4.8		
632.2	4.8		
634.0	4.8		
636.6	4.8		
638.9	4.8		
640.0	4.8		
642.7	4.8		
644.8	4.8		
646.7	4.8		
648.0	4.7		
650.9	4.7		
654.4	4.7		
657.3	4.7		
659.2	4.7		
662.7	4.7		
666.5	4.7		
668.6	4.7		
672.7	4.7		
675.0	4.7		
677.7	4.7		
680.5	4.7		
684.0	4.7		
687.5	4.6		
691.0	4.6		
692.3	4.6		
696.9	4.6		
703.7	4.6		
707.2	4.6		
710.9	4.6		
713.5	4.6		
718.6	4.6		
723.6	4.6		
730.1	4.6		
734.2	4.6		
738.7	4.5		
740.9	4.5		
745.8	4.5		
748.8	4.5		

STA 9 DAY: 20 TIME: 0034

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.5	19.0	29.6	14.3	50.0	13.1	87.9	13.2	146.5	10.5
3.5	19.0	29.4	14.2	50.2	13.2	88.4	13.2	147.4	10.3
5.6	19.0	29.4	14.1	50.8	13.2	90.3	13.2	148.9	10.2
8.1	19.0	29.8	14.0	51.4	13.4	93.4	13.1	151.3	10.1
9.6	19.0	29.8	13.9	51.8	13.5	94.6	13.1	154.5	10.1
11.6	19.0	30.1	13.8	51.8	13.6	96.3	13.1	157.0	10.1
14.5	19.0	30.1	13.7	52.4	13.7	97.8	13.1	159.6	10.0
17.3	19.0	30.0	13.6	52.8	13.8	98.9	13.0	162.1	10.0
19.3	19.0	30.0	13.6	53.5	13.7	100.5	13.0	164.4	10.0
20.5	19.0	30.3	13.7	53.8	13.6	101.7	12.9	166.6	10.0
22.1	19.0	30.7	13.8	54.8	13.7	103.4	12.9	168.9	10.0
23.5	19.0	30.5	13.9	55.7	13.8	105.4	12.9	171.5	9.9
23.7	18.8	30.8	14.0	57.0	13.9	107.7	12.9	172.7	9.9
24.0	18.6	31.4	14.1	58.0	13.8	109.2	12.9	173.9	9.9
24.2	18.6	31.2	14.1	58.5	13.7	109.8	12.8	176.2	9.8
24.2	18.5	31.8	14.0	59.0	13.6	110.7	12.8	179.0	9.8
24.3	18.4	32.0	13.8	59.7	13.5	111.1	12.7	181.4	9.8
24.5	18.2	32.4	13.6	60.0	13.4	111.7	12.7	183.2	9.8
24.8	18.1	32.4	13.5	60.3	13.3	112.6	12.6	185.7	9.7
24.8	18.0	32.7	13.4	60.8	13.2	113.3	12.6	188.2	9.7
25.0	17.9	33.1	13.2	60.9	13.1	115.2	12.5	190.3	9.7
24.7	17.8	33.3	13.0	62.1	13.2	116.7	12.4	192.8	9.7
24.8	17.6	33.8	12.9	62.1	13.3	117.5	12.4	195.5	9.7
24.8	17.6	33.7	12.7	62.3	13.4	118.7	12.3	197.9	9.6
25.1	17.5	34.0	12.6	62.6	13.5	120.3	12.3	200.7	9.6
24.8	17.5	34.8	12.4	63.3	13.6	121.8	12.3	202.2	9.6
24.9	17.4	35.4	12.4	63.7	13.6	123.1	12.3	203.6	9.5
25.1	17.3	36.9	12.4	63.8	13.7	123.8	12.2	205.6	9.5
24.9	17.3	38.5	12.4	64.5	13.8	124.5	12.1	208.3	9.4
25.0	17.1	39.9	12.4	65.8	13.8	125.1	12.1	210.9	9.4
25.2	17.0	40.3	12.3	67.1	13.9	125.8	12.0	213.7	9.4
25.1	16.9	40.7	12.2	68.4	13.9	126.3	12.0	215.8	9.4
25.0	16.8	40.7	12.1	68.3	13.9	127.0	11.9	218.6	9.3
25.4	16.6	41.1	12.0	70.6	13.8	129.6	12.0	223.5	9.3
25.1	16.5	41.6	11.9	71.8	13.7	131.1	12.0	226.4	9.3
25.0	16.4	43.4	11.8	72.7	13.5	134.2	12.0	228.4	9.3
25.5	16.2	44.4	11.8	72.9	13.4	135.4	12.1	233.3	9.3
25.5	16.1	45.7	11.8	73.0	13.3	137.6	12.0	235.9	9.2
25.6	16.0	46.2	11.9	73.6	13.2	138.9	11.9	237.1	9.2
26.0	15.8	46.6	12.1	75.1	13.2	139.5	11.9	239.0	9.2
26.0	15.6	46.7	12.2	76.0	13.1	141.2	11.8	241.2	9.2
26.4	15.5	46.9	12.3	76.9	13.0	141.7	11.7	243.5	9.1
26.6	15.4	47.4	12.5	77.5	12.9	142.4	11.6	245.5	9.1
27.1	15.3	47.7	12.6	78.6	12.9	143.2	11.5	247.1	9.1
28.0	15.2	47.9	12.6	80.0	13.0	143.7	11.4	249.4	9.0
28.5	15.0	48.8	12.5	81.1	13.1	144.2	11.2	252.9	9.0
28.7	14.9	49.2	12.6	82.5	13.1	144.5	11.1	255.6	9.0
29.1	14.7	49.6	12.7	84.9	13.1	145.1	10.9	257.3	9.0
29.1	14.6	49.6	12.8	85.4	13.1	145.1	10.8	258.4	8.9
29.5	14.4	50.2	12.9	86.8	13.1	145.9	10.6	261.1	8.9

STA 9 DAY: 20 TIME: 0034

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
263.0	8.9	373.2	6.0
265.2	8.8	375.5	6.0
267.6	8.7	377.9	6.0
269.0	8.7	380.1	6.0
271.1	8.5	381.6	5.9
272.2	8.5	384.5	5.9
274.5	8.4	386.7	5.8
275.7	8.3	390.5	5.8
278.5	8.3	394.2	5.8
281.7	8.3	398.9	5.8
283.7	8.2	402.4	5.8
284.6	8.2	404.9	5.8
288.1	8.1	406.0	5.7
291.8	8.1	408.6	5.7
295.3	8.1	411.4	5.7
301.3	8.1	413.8	5.7
303.4	8.1	416.4	5.6
305.6	7.9	418.4	5.6
307.6	7.9	422.2	5.6
308.7	7.8	427.3	5.6
309.9	7.6	431.8	5.6
311.5	7.5	435.7	5.5
312.9	7.4	438.1	5.5
314.7	7.3	441.2	5.5
316.6	7.2	445.8	5.5
318.1	7.1	448.5	5.5
319.8	7.0	450.0	5.5
321.5	6.9	450.1	5.6
322.8	6.8	451.7	5.6
323.7	6.7	454.3	5.6
324.7	6.7	457.6	5.5
326.6	6.6	460.6	5.5
328.5	6.6	463.0	5.5
330.8	6.6	465.2	5.5
332.5	6.6	467.7	5.5
333.5	6.6	470.1	5.5
336.0	6.5	472.0	5.4
337.5	6.5	472.7	5.4
340.3	6.5	473.1	5.2
343.0	6.4	473.3	5.5
345.1	6.3	473.5	5.7
349.6	6.3	474.0	5.6
353.0	6.3	474.5	5.6
355.3	6.3		
357.6	6.3		
358.5	6.2		
361.6	6.2		
364.3	6.1		
365.9	6.1		
369.6	6.1		

STA 10 DAY: 20 TIME: 0104

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.5	18.9	49.4	15.3	74.6	10.2	145.7	10.2
3.6	18.9	50.3	15.3	75.6	10.4	148.0	10.2
5.7	18.9	51.3	15.4	76.2	10.5	149.9	10.1
8.4	18.9	52.1	15.5	76.9	10.6	152.8	10.1
9.7	18.9	53.0	15.5	78.1	10.8	155.2	10.1
9.9	18.9	53.8	15.5	79.2	10.9	155.8	10.1
12.3	18.9	54.8	15.5	80.7	11.0	157.4	10.1
14.9	18.9	55.4	15.4	83.1	11.2	159.3	10.1
17.2	18.9	56.0	15.3	85.6	11.3	162.7	10.0
18.5	18.9	56.1	15.1	87.6	11.3	165.0	10.0
19.0	19.0	57.2	15.0	89.3	11.4	166.4	10.0
21.5	19.0	57.1	14.9	90.2	11.6		
23.5	19.0	57.7	14.8	90.9	11.6		
25.0	19.0	58.3	14.6	92.5	11.7		
26.0	19.0	58.9	14.5	93.1	11.7		
27.4	18.9	59.7	14.4	94.3	11.6		
27.8	18.8	59.9	14.3	94.9	11.5		
28.3	18.7	60.2	14.1	95.8	11.4		
28.5	18.6	60.3	14.0	96.8	11.3		
29.6	18.5	60.4	13.9	97.7	11.2		
30.2	18.3	60.6	13.7	98.5	11.1		
31.1	18.2	61.5	13.6	99.4	11.0		
31.8	18.0	62.9	13.5	100.1	10.9		
32.3	17.9	63.3	13.4	101.1	10.8		
32.3	17.7	63.6	13.2	102.5	10.8		
32.8	17.6	63.6	13.1	104.6	10.8		
33.0	17.5	63.8	13.0	105.9	10.8		
33.2	17.4	64.1	12.8	106.8	10.7		
33.4	17.2	64.5	12.7	107.6	10.6		
33.8	17.1	65.0	12.6	108.8	10.6		
34.1	16.9	65.4	12.4	110.1	10.5		
34.4	16.8	65.8	12.3	111.2	10.6		
34.5	16.6	66.1	12.2	112.1	10.6		
34.8	16.5	66.2	12.0	114.4	10.6		
35.3	16.4	66.4	11.9	115.3	10.6		
35.7	16.3	66.4	11.8	118.1	10.6		
36.2	16.1	66.9	11.6	120.4	10.5		
36.3	16.0	67.5	11.4	121.4	10.4		
36.8	15.9	67.8	11.3	122.4	10.4		
37.6	15.8	68.0	11.1	124.0	10.4		
38.6	15.6	69.0	11.1	125.4	10.4		
39.8	15.6	70.3	11.1	128.4	10.4		
40.9	15.5	71.0	10.9	129.6	10.4		
42.2	15.4	71.3	10.8	130.5	10.4		
43.7	15.4	71.7	10.6	131.3	10.3		
45.7	15.4	72.2	10.5	133.9	10.3		
46.4	15.4	72.8	10.4	136.4	10.3		
47.5	15.3	73.6	10.4	137.9	10.3		
48.3	15.2	74.0	10.3	140.1	10.3		
48.7	15.2	74.3	10.2	143.9	10.3		

STA 11 DAY: 20 TIME: 0144

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
5.5	18.6	46.6	13.6	55.8	11.3	78.5	8.9
7.5	18.6	46.8	13.4	55.9	11.4	79.8	8.9
9.0	18.6	46.9	13.2	56.3	11.5	80.7	9.1
9.7	18.6	46.6	13.1	56.5	11.6	82.0	9.1
12.7	18.6	47.0	13.0	56.8	11.7	82.8	9.1
16.7	18.6	46.9	12.8	56.8	11.9	83.9	9.2
19.1	18.6	47.3	12.7	57.0	12.0	84.4	9.3
22.4	18.6	47.5	12.5	57.0	12.2	84.9	9.4
24.6	18.6	47.8	12.3	57.4	12.4	85.4	9.4
26.8	18.6	47.8	12.2	57.5	12.5	87.4	9.4
28.9	18.6	47.8	12.0	57.5	12.7	89.8	9.4
31.0	18.6	47.8	11.9	57.6	12.8	90.9	9.4
32.7	18.6	47.9	11.7	58.1	12.9	91.4	9.2
35.5	18.6	47.6	11.6	58.4	12.8	92.9	9.2
38.5	18.6	47.8	11.5	58.8	12.7	93.6	9.1
40.5	18.6	47.9	11.4	59.0	12.6	96.4	9.1
41.0	18.5	47.9	11.3	59.3	12.4	99.2	9.1
41.5	18.4	48.1	11.2	59.5	12.2	101.8	9.0
41.6	18.3	48.1	11.0	59.4	12.1	105.4	9.1
41.9	18.1	48.4	10.9	59.0	11.8	107.8	9.1
42.1	18.0	48.5	10.8	59.3	11.7	110.7	9.1
42.3	17.8	48.6	10.6	59.2	11.6	114.0	9.1
42.5	17.5	49.1	10.4	59.4	11.4	115.1	9.1
42.8	17.4	48.7	10.4	59.7	11.2	115.9	9.2
42.9	17.2	48.7	10.3	59.9	11.0	117.5	9.2
43.1	17.1	49.9	10.4	60.2	10.8	118.4	9.3
43.0	17.0	50.4	10.4	60.6	10.7	119.4	9.5
43.3	16.9	50.4	10.6	61.4	10.6	119.7	9.7
43.4	16.8	50.7	10.7	62.3	10.5	120.4	9.9
44.0	16.6	50.7	10.9	62.5	10.4	120.4	10.0
44.1	16.6	50.9	11.0	63.2	10.3	121.3	10.2
44.4	16.5	51.2	11.1	63.7	10.2	122.1	10.4
44.5	16.4	51.5	11.3	64.5	10.1	122.2	10.4
44.6	16.2	51.7	11.4	64.9	10.0	123.0	10.5
44.7	16.0	51.8	11.5	65.0	9.9	123.5	10.7
45.1	15.8	52.3	11.6	66.0	9.9	125.6	10.7
45.5	15.6	53.4	11.5	66.4	9.8	127.7	10.7
45.7	15.3	54.0	11.4	66.6	9.7		
46.0	15.1	54.2	11.3	66.8	9.6		
46.2	15.0	54.2	11.2	67.1	9.5		
46.1	14.8	54.2	11.1	67.7	9.4		
46.0	14.6	54.3	10.9	67.7	9.3		
46.1	14.5	54.3	10.9	68.1	9.2		
46.2	14.4	54.7	10.7	68.7	9.2		
46.0	14.3	55.0	10.6	69.5	9.1		
46.4	14.1	55.1	10.7	70.0	9.0		
46.4	14.0	55.4	10.8	70.8	8.9		
46.4	13.9	55.7	11.0	72.2	8.9		
46.5	13.8	55.9	11.1	74.5	8.9		
46.8	13.7	55.7	11.2	76.5	8.9		

STA 12 DAY: 20 TIME: 0227

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.8	17.1	38.5	11.8
4.6	17.2	38.9	11.7
7.9	17.2	39.3	11.5
9.7	17.1	39.7	11.3
12.5	17.2	39.8	11.1
14.5	17.1	40.2	10.9
16.1	17.1	41.1	10.9
19.1	17.1	42.0	10.7
19.8	17.0	42.6	10.6
20.0	16.9	43.4	10.5
20.1	16.9	44.2	10.3
21.0	16.8	45.3	10.2
21.7	16.7	47.1	10.1
22.6	16.6	49.0	10.1
23.5	16.5	49.5	10.0
23.6	16.4	50.5	9.9
23.8	16.3	51.5	9.9
24.4	16.2	52.0	9.8
24.6	16.1	53.1	9.7
25.0	16.1	53.3	9.6
25.3	16.1	53.9	9.6
25.8	16.0	55.0	9.5
26.3	15.9	58.0	9.3
26.9	15.9	60.0	9.3
27.3	15.8	63.1	9.3
28.0	15.7	65.2	9.2
29.7	15.7	66.6	9.3
30.0	15.6	68.7	9.2
30.0	15.4	70.3	9.2
30.8	15.2	73.0	9.2
31.0	15.0	75.5	9.3
30.8	14.8	78.2	9.3
31.0	14.6	81.4	9.3
31.1	14.5	85.7	9.3
31.4	14.3	87.7	9.4
31.8	14.2	88.4	9.4
32.1	14.1	89.7	9.5
32.8	13.9	90.9	9.6
33.6	13.8	93.5	9.6
34.2	13.7	93.5	9.6
35.0	13.5	96.1	9.7
35.3	13.4	97.7	9.8
35.8	13.2	99.4	9.8
36.2	13.1	101.0	9.8
36.9	12.8	102.5	9.8
37.2	12.6	102.3	9.9
37.5	12.4		
37.7	12.3		
37.8	12.1		
38.5	12.0		

STA 13 DAY: 21 TIME: 1700

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
51	4.	19.706	34.598	5.32	24.534	95.8	0.17
41	6.	19.710	34.600	5.23	24.534	95.8	0.17
42	8.	19.709	34.599	5.33	24.534	95.7	0.17
49	10.	19.708	34.599	5.34	24.534	95.8	0.17
36	12.	19.705	34.596	5.32	24.532	95.8	0.17
53	14.	19.698	34.594	5.31	24.532	95.8	0.17
40	16.	19.696	34.593	5.26	24.532	95.8	0.17
62	18.	19.695	34.592	5.21	24.532	95.8	0.17
29	20.	19.693	34.591	5.14	24.532	95.8	0.17
53	22.	19.691	34.591	5.16	24.532	95.8	0.17
38	24.	19.691	34.591	5.18	24.532	95.8	0.17
28	26.	19.690	34.591	5.23	24.532	95.8	0.17
51	28.	19.686	34.590	5.24	24.532	95.7	0.17
27	30.	19.684	34.589	5.19	24.532	95.8	0.17
30	32.	19.690	34.594	5.23	24.534	95.7	0.17
49	34.	19.693	34.595	5.20	24.535	95.8	0.17
42	36.	19.691	34.594	5.14	24.534	95.8	0.17
23	38.	19.678	34.587	5.14	24.532	95.8	0.17
20	40.	19.678	34.587	5.19	24.532	95.8	0.17
27	42.	19.678	34.588	5.19	24.533	95.8	0.17
16	44.	19.657	34.631	5.15	24.571	95.9	0.17
29	46.	18.656	34.641	5.30	24.835	96.3	0.15
33	48.	15.720	34.274	5.57	25.253	96.5	0.14
20	50.	13.435	33.977	5.78	25.513	96.4	0.15
32	52.	11.227	33.554	6.02	25.609	96.5	0.14
23	54.	10.513	33.525	6.01	25.713	96.7	0.13
59	56.	10.512	33.734	5.97	25.876	97.2	0.11
28	58.	10.690	33.802	5.84	25.898	97.3	0.11
33	60.	11.712	34.171	5.57	26.000	97.5	0.10
61	62.	12.558	34.447	5.37	26.052	97.6	0.10
36	64.	14.024	34.971	4.92	26.160	97.8	0.09
37	66.	14.320	35.075	4.71	26.178	97.8	0.09
28	68.	14.513	35.138	4.60	26.185	97.9	0.08
39	70.	14.638	35.182	4.48	26.192	98.0	0.08
23	72.	15.151	35.392	4.35	26.242	98.0	0.08
35	74.	15.610	35.635	4.23	26.326	98.1	0.08
22	76.	15.733	35.694	4.06	26.344	98.2	0.07
39	78.	15.778	35.743	4.01	26.371	98.2	0.07
26	80.	14.961	35.595	4.02	26.440	98.2	0.07
32	82.	14.555	35.497	4.05	26.454	98.2	0.07
37	84.	14.580	35.522	4.12	26.467	98.3	0.07
21	86.	14.754	35.613	4.15	26.499	98.3	0.07
59	88.	14.780	35.673	4.12	26.540	98.3	0.07
40	90.	14.711	35.670	4.02	26.553	98.3	0.07
28	92.	14.504	35.644	4.02	26.578	98.3	0.07
44	94.	14.494	35.666	4.04	26.597	98.3	0.07
17	96.	14.296	35.634	4.06	26.615	98.3	0.07
18	98.	13.995	35.592	4.10	26.647	98.3	0.07
39	100.	13.522	35.479	4.22	26.658	98.3	0.07
22	102.	13.357	35.453	4.32	26.672	98.3	0.07

STA 13 DAY: 21 TIME: 1700

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
35	104.	13.040	35.394	4.38	26.691	98.3	0.07
42	106.	12.987	35.408	4.42	26.712	98.5	0.06
22	108.	13.069	35.441	4.40	26.722	98.5	0.06
56	110.	13.086	35.455	4.41	26.729	98.4	0.06
31	112.	13.083	35.461	4.35	26.734	98.5	0.06
23	114.	13.053	35.458	4.32	26.738	98.5	0.06
47	116.	13.033	35.453	4.34	26.738	98.5	0.06
23	118.	13.046	35.463	4.29	26.743	98.5	0.06
23	120.	13.285	35.544	4.27	26.757	98.5	0.06
31	122.	13.415	35.591	4.23	26.767	98.5	0.06
15	124.	13.470	35.608	4.14	26.769	98.5	0.06
30	126.	13.352	35.592	4.14	26.780	98.5	0.06
18	128.	13.348	35.589	4.08	26.779	98.5	0.06
30	130.	13.282	35.576	4.10	26.783	98.5	0.06
30	132.	12.780	35.470	4.18	26.802	98.5	0.06
48	134.	12.654	35.446	4.20	26.809	98.5	0.06
25	136.	12.298	35.380	4.25	26.827	98.5	0.06
34	138.	12.219	35.369	4.27	26.834	98.5	0.06
23	140.	12.248	35.384	4.26	26.840	98.5	0.06
53	142.	12.208	35.386	4.25	26.849	98.5	0.06
38	144.	12.141	35.381	4.25	26.859	98.5	0.06
26	146.	12.098	35.376	4.20	26.863	98.5	0.06
43	148.	12.068	35.370	4.20	26.864	98.5	0.06
59	150.	12.034	35.369	4.18	26.870	98.5	0.06
55	152.	11.935	35.354	4.14	26.877	98.5	0.06
28	154.	11.857	35.348	4.14	26.887	98.5	0.06
48	156.	11.844	35.348	4.12	26.890	98.5	0.06
26	158.	11.820	35.357	4.12	26.901	98.5	0.06
53	160.	11.814	35.358	4.10	26.904	98.5	0.06
54	162.	11.813	35.359	4.05	26.905	98.5	0.06
30	164.	11.823	35.369	4.05	26.910	98.5	0.06
34	166.	11.803	35.371	4.03	26.916	98.5	0.06
25	168.	11.742	35.364	4.02	26.922	98.5	0.06
18	170.	11.511	35.337	4.02	26.944	98.5	0.06
37	172.	11.455	35.317	4.04	26.939	98.5	0.06
21	174.	11.416	35.311	4.01	26.942	98.5	0.06
57	176.	11.406	35.313	4.05	26.945	98.5	0.06
64	178.	11.368	35.315	4.05	26.954	98.5	0.06
22	180.	11.329	35.313	4.00	26.959	98.5	0.06
18	182.	11.220	35.298	3.99	26.968	98.5	0.06
28	184.	11.106	35.275	4.03	26.971	98.5	0.06
16	186.	10.903	35.249	4.09	26.988	98.5	0.06
25	188.	10.764	35.223	4.10	26.992	98.5	0.06
26	190.	10.675	35.207	4.12	26.996	98.5	0.06
30	192.	10.585	35.193	4.14	27.001	98.5	0.06
54	194.	10.515	35.180	4.13	27.003	98.5	0.06
21	196.	10.455	35.178	4.08	27.013	98.5	0.06
30	198.	10.420	35.173	4.07	27.015	98.5	0.06
22	200.	10.403	35.171	4.14	27.016	98.5	0.06
23	202.	10.392	35.170	4.17	27.017	98.5	0.06

STA 13 DAY: 21 TIME: 1700

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
33	204.	10.381	35.168	4.16	27.018	98.5	0.06
16	206.	10.351	35.165	4.13	27.020	98.5	0.06
23	208.	10.250	35.157	4.13	27.032	98.5	0.06
21	210.	10.208	35.153	4.15	27.036	98.5	0.06
17	212.	10.178	35.157	4.14	27.044	98.5	0.06
30	214.	10.168	35.159	4.11	27.048	98.5	0.06
20	216.	10.131	35.163	4.04	27.057	98.5	0.06
69	218.	10.144	35.172	4.04	27.062	98.5	0.06
27	220.	10.205	35.193	3.95	27.068	98.5	0.06
50	222.	10.206	35.214	3.94	27.084	98.5	0.06
67	224.	10.172	35.212	3.89	27.088	98.5	0.06
21	226.	10.135	35.212	3.85	27.095	98.5	0.06
41	228.	10.041	35.197	3.85	27.099	98.5	0.06
35	230.	9.992	35.191	3.88	27.103	98.5	0.06
21	232.	9.944	35.186	3.86	27.107	98.5	0.06
43	234.	9.872	35.176	3.91	27.112	98.5	0.06
32	236.	9.728	35.158	3.92	27.122	98.5	0.06
24	238.	9.666	35.151	3.95	27.127	98.5	0.06
30	240.	9.623	35.147	3.95	27.131	98.5	0.06
36	242.	9.605	35.147	3.97	27.134	98.5	0.06
16	244.	9.528	35.142	3.96	27.143	98.5	0.06
16	246.	9.466	35.134	3.95	27.148	98.5	0.06
26	248.	9.424	35.129	3.96	27.150	98.5	0.06
20	250.	9.386	35.126	3.97	27.154	98.5	0.06
36	252.	9.369	35.123	3.99	27.155	98.5	0.06
36	254.	9.323	35.118	3.97	27.158	98.5	0.06
58	256.	9.291	35.115	4.00	27.161	98.5	0.06
70	258.	9.259	35.112	4.00	27.164	98.5	0.06
32	260.	9.163	35.102	3.98	27.172	98.5	0.06
31	262.	9.091	35.096	3.98	27.179	98.5	0.06
31	264.	9.032	35.091	4.01	27.185	98.5	0.06
37	266.	8.946	35.082	4.00	27.191	98.5	0.06
66	268.	8.906	35.079	4.04	27.196	98.5	0.06
25	270.	8.809	35.074	4.02	27.207	98.5	0.06
46	272.	8.762	35.070	4.01	27.212	98.5	0.06
44	274.	8.760	35.074	4.02	27.215	98.5	0.06
16	276.	8.773	35.078	3.99	27.216	98.5	0.06
18	278.	8.782	35.084	3.99	27.219	98.4	0.06
29	280.	8.748	35.079	4.00	27.221	98.5	0.06
14	282.	8.647	35.075	4.01	27.233	98.5	0.06
28	284.	8.535	35.059	4.02	27.238	98.5	0.06
24	286.	8.502	35.056	4.05	27.241	98.5	0.06
58	288.	8.447	35.050	4.08	27.245	98.5	0.06
37	290.	8.419	35.051	4.06	27.250	98.5	0.06
50	292.	8.411	35.050	4.06	27.251	98.5	0.06
24	294.	8.366	35.046	4.04	27.255	98.5	0.06
41	296.	8.334	35.045	4.05	27.259	98.5	0.06
28	298.	8.321	35.050	4.06	27.265	98.5	0.06
59	300.	8.322	35.055	4.07	27.268	98.5	0.06
49	302.	8.312	35.062	4.04	27.275	98.5	0.06

STA 13 DAY: 21 TIME: 1700

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
38	304.	8.308	35.065	4.02	27.278	98.5	0.06
47	306.	8.307	35.065	4.02	27.279	98.5	0.06
64	308.	8.306	35.068	4.02	27.281	98.5	0.06
41	310.	8.300	35.069	4.01	27.283	98.5	0.06
57	312.	8.258	35.065	4.02	27.286	98.5	0.06
58	314.	8.243	35.065	4.00	27.288	98.5	0.06
21	316.	8.214	35.062	4.01	27.291	98.5	0.06
32	318.	8.184	35.060	4.02	27.293	98.5	0.06
16	320.	8.152	35.059	4.06	27.297	98.5	0.06
34	322.	8.045	35.052	4.07	27.308	98.5	0.06
24	324.	7.963	35.056	4.10	27.324	98.5	0.06
32	326.	7.949	35.063	4.10	27.331	98.5	0.06
40	328.	7.955	35.065	4.11	27.332	98.5	0.06
23	330.	7.959	35.067	4.09	27.333	98.5	0.06
35	332.	7.957	35.069	4.08	27.335	98.5	0.06
56	334.	7.906	35.071	4.10	27.344	98.5	0.06
31	336.	7.865	35.069	4.10	27.349	98.5	0.06
54	338.	7.804	35.061	4.12	27.352	98.5	0.06
31	340.	7.665	35.038	4.17	27.354	98.5	0.06
35	342.	7.533	35.019	4.22	27.358	98.4	0.07
35	344.	7.384	34.998	4.28	27.363	98.3	0.07
26	346.	7.326	34.995	4.35	27.369	98.3	0.07
47	348.	7.315	34.994	4.37	27.370	98.3	0.07
23	350.	7.283	34.995	4.38	27.375	98.3	0.07
35	352.	7.185	34.995	4.39	27.389	98.3	0.07
17	354.	7.171	34.996	4.41	27.392	98.3	0.07
21	356.	7.169	34.997	4.40	27.393	98.3	0.07
35	358.	7.176	35.000	4.41	27.395	98.3	0.07
46	360.	7.210	35.016	4.42	27.402	98.3	0.07
52	362.	7.222	35.021	4.41	27.405	98.4	0.07
34	364.	7.218	35.022	4.37	27.406	98.4	0.07
22	366.	7.202	35.023	4.37	27.409	98.5	0.06
39	368.	7.165	35.022	4.38	27.413	98.5	0.06
16	370.	7.152	35.029	4.43	27.421	98.4	0.06
15	372.	7.140	35.032	4.43	27.425	98.5	0.06
26	374.	7.043	35.019	4.46	27.428	98.5	0.06
16	376.	6.986	35.017	4.50	27.434	98.4	0.07
30	378.	6.990	35.024	4.49	27.440	98.5	0.06
88	380.	7.027	35.034	4.52	27.442	98.5	0.06
20	382.	7.026	35.047	4.48	27.452	98.5	0.06
21	384.	6.858	35.035	4.51	27.467	98.5	0.06
50	386.	6.857	35.040	4.55	27.470	98.5	0.06
47	388.	6.859	35.042	4.61	27.472	98.5	0.06
36	390.	6.860	35.043	4.61	27.472	98.5	0.06
44	392.	6.860	35.045	4.59	27.474	98.5	0.06
24	394.	6.856	35.047	4.59	27.476	98.5	0.06
33	396.	6.847	35.054	4.61	27.483	98.5	0.06
60	398.	6.843	35.055	4.63	27.484	98.5	0.06
33	400.	6.828	35.054	4.62	27.486	98.5	0.06
64	402.	6.741	35.039	4.65	27.486	98.5	0.06

STA 13 DAY: 21 TIME: 1700

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
37	404.	6.720	35.043	4.66	27.492	98.5	0.06
41	406.	6.714	35.042	4.64	27.492	98.5	0.06
52	408.	6.697	35.040	4.68	27.492	98.5	0.06
66	410.	6.668	35.035	4.69	27.492	98.5	0.06
35	412.	6.564	35.025	4.71	27.498	98.5	0.06
57	414.	6.555	35.028	4.69	27.502	98.5	0.06
40	416.	6.500	35.017	4.75	27.501	98.5	0.06
52	418.	6.343	34.994	4.76	27.503	98.5	0.06
46	420.	6.313	34.993	4.83	27.506	98.5	0.06
34	422.	6.292	34.991	4.85	27.508	98.5	0.06
27	424.	6.248	34.988	4.86	27.511	98.5	0.06
43	426.	6.257	34.990	4.89	27.512	98.5	0.06
21	428.	6.307	34.998	4.88	27.511	98.5	0.06
55	430.	6.324	35.003	4.87	27.514	98.5	0.06
18	432.	6.338	35.004	4.87	27.512	98.5	0.06
20	434.	6.344	35.012	4.86	27.517	98.5	0.06
34	436.	6.293	35.008	4.88	27.521	98.5	0.06
17	438.	6.166	35.000	4.91	27.531	98.5	0.06
39	440.	6.098	34.988	4.93	27.531	98.5	0.06
29	442.	6.081	34.991	4.96	27.536	98.5	0.06
22	444.	6.015	34.983	4.97	27.538	98.5	0.06
38	446.	5.961	34.976	5.02	27.539	98.5	0.06
49	448.	5.955	34.977	5.06	27.540	98.5	0.06
32	450.	5.948	34.976	5.08	27.540	98.5	0.06
67	452.	5.929	34.972	5.05	27.540	98.5	0.06
46	454.	5.903	34.969	5.04	27.540	98.5	0.06
33	456.	5.854	34.963	4.99	27.542	98.5	0.06
63	458.	5.844	34.965	5.05	27.545	98.5	0.06
28	460.	5.853	34.971	5.01	27.549	98.5	0.06
63	462.	5.898	34.987	5.02	27.556	98.5	0.06
53	464.	6.009	35.015	5.04	27.563	98.5	0.06
56	466.	6.004	35.010	5.04	27.561	98.5	0.06
40	468.	5.969	35.008	5.06	27.563	98.5	0.06
74	470.	5.937	35.003	5.09	27.564	98.5	0.06
26	472.	5.904	35.000	5.10	27.565	98.5	0.06
21	474.	5.884	34.999	5.09	27.567	98.5	0.06
37	476.	5.879	34.998	5.13	27.567	98.5	0.06
22	478.	5.874	34.998	5.16	27.567	98.5	0.06
33	480.	5.869	34.999	5.17	27.568	98.5	0.06
26	482.	5.826	34.995	5.19	27.571	98.5	0.06
26	484.	5.755	34.989	5.19	27.575	98.5	0.06
79	486.	5.754	34.990	5.21	27.576	98.5	0.06
36	488.	5.738	34.991	5.17	27.579	98.5	0.06
37	490.	5.733	34.995	5.18	27.583	98.5	0.06
48	492.	5.707	34.993	5.22	27.584	98.5	0.06
22	494.	5.666	34.988	5.25	27.586	98.5	0.06
47	496.	5.661	34.990	5.27	27.588	98.5	0.06
27	498.	5.672	34.995	5.29	27.591	98.5	0.06
18	500.	5.684	35.002	5.24	27.595	98.5	0.06
34	520.	5.633	35.010	5.37	27.608	98.4	0.06

STA 13 DAY: 21 TIME: 1700

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
33	540.	5.434	34.995	5.46	27.620	98.5	0.06
32	560.	5.261	34.982	5.56	27.630	98.5	0.06
60	580.	5.241	34.994	5.60	27.642	98.6	0.06
60	600.	5.054	34.973	5.71	27.648	98.5	0.06
33	620.	5.006	34.975	5.76	27.655	98.6	0.06
33	640.	4.905	34.968	5.86	27.661	98.6	0.06
22	660.	4.899	34.980	5.83	27.671	98.7	0.05
28	680.	4.853	34.980	5.94	27.677	98.7	0.05
44	700.	4.832	34.985	5.92	27.683	98.7	0.05
18	720.	4.771	34.983	5.96	27.688	98.7	0.05
31	740.	4.747	34.984	6.03	27.692	98.7	0.05
24	760.	4.653	34.979	6.04	27.699	98.7	0.05
24	780.	4.625	34.982	6.13	27.704	98.7	0.05
47	800.	4.568	34.976	6.11	27.706	98.7	0.05
23	820.	4.543	34.976	6.11	27.709	98.7	0.05
36	840.	4.500	34.976	6.22	27.713	98.7	0.05
56	860.	4.449	34.970	6.17	27.714	98.7	0.05
25	880.	4.438	34.972	6.20	27.717	98.7	0.05
44	900.	4.423	34.973	6.21	27.719	98.7	0.05
21	920.	4.369	34.970	6.23	27.723	98.7	0.05
15	940.	4.356	34.970	6.30	27.724	98.7	0.05
32	960.	4.326	34.970	6.27	27.727	98.7	0.05
60	980.	4.306	34.969	6.25	27.729	98.7	0.05
10	1000.	4.300	34.968	6.23	27.729	98.7	0.05

STA 14 DAY: 21 TIME: 1852

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.6	17.7	102.5	11.9	200.2	10.3	335.7	7.2	471.6	5.1
1.6	17.8	104.8	11.9	201.9	10.2	337.5	7.1	474.0	5.0
3.5	17.8	107.2	11.8	203.7	10.2	339.8	7.1	477.4	4.9
5.7	17.8	110.0	11.7	205.4	10.1	341.7	7.0	479.9	4.9
7.7	17.8	113.8	11.6	205.6	10.0	345.2	7.0	481.4	4.9
9.9	17.8	116.9	11.5	206.8	9.9	346.9	7.0	482.1	4.8
12.5	17.8	119.1	11.4	209.0	9.9	349.1	6.9	484.9	4.8
16.0	17.8	121.5	11.4	211.7	9.9	352.6	6.8	487.0	4.8
18.9	17.8	123.8	11.4	214.5	9.9	357.4	6.8	489.3	4.8
22.1	17.8	126.4	11.4	215.7	9.8	360.2	6.8	493.5	4.8
25.0	17.8	128.7	11.4	217.2	9.7	363.6	6.7	497.5	4.8
28.6	17.8	129.6	11.5	218.7	9.6	366.4	6.7	499.7	4.8
31.3	17.8	131.1	11.6	221.8	9.6	369.7	6.6	503.7	4.7
34.4	17.8	133.0	11.6	225.1	9.6	372.4	6.5	506.0	4.7
35.8	17.6	134.8	11.6	230.4	9.5	375.4	6.5	508.7	4.7
38.0	16.5	136.1	11.7	235.0	9.5	377.2	6.5	509.8	4.7
39.5	13.8	138.6	11.8	237.2	9.5	382.0	6.4	513.4	4.7
40.5	12.5	140.1	11.9	241.7	9.4	384.7	6.3	515.9	4.7
41.1	12.0	142.6	11.9	246.3	9.4	388.2	6.3	518.9	4.7
42.1	11.7	143.9	11.8	248.7	9.4	391.0	6.2	521.0	4.6
42.9	11.5	144.9	11.8	251.5	9.3	395.1	6.2	523.2	4.6
44.1	11.6	146.5	11.7	255.1	9.3	398.9	6.2	524.6	4.6
45.9	11.6	147.9	11.7	258.4	9.3	403.4	6.1	528.2	4.6
47.4	11.6	149.2	11.6	258.5	9.2	408.2	6.1	531.4	4.6
47.9	11.7	150.4	11.6	260.3	9.1	411.8	6.1	534.3	4.6
48.8	11.9	153.1	11.5	262.8	9.0	415.8	6.0	537.4	4.6
50.0	11.9	155.2	11.5	265.3	8.9	418.3	5.9	539.3	4.6
51.5	11.9	157.0	11.5	267.3	8.9	420.3	5.8	544.2	4.6
53.0	12.0	159.6	11.5	269.3	8.8	423.4	5.8	548.0	4.6
54.9	12.1	162.9	11.5	271.7	8.7	427.8	5.8	550.3	4.6
57.6	12.1	165.5	11.5	274.4	8.6	430.8	5.7	553.5	4.6
59.8	12.1	168.2	11.5	278.7	8.5	433.5	5.6	556.0	4.5
62.4	12.1	171.1	11.5	281.0	8.5	437.5	5.6	559.6	4.5
65.5	12.1	174.3	11.5	283.5	8.4	439.6	5.5	563.5	4.5
68.3	12.1	176.8	11.5	286.8	8.4	443.0	5.5	566.0	4.5
70.6	12.1	178.4	11.3	288.9	8.2	445.8	5.4	569.2	4.4
71.7	12.3	180.1	11.3	291.0	8.0	446.1	5.4	573.5	4.4
75.5	12.3	182.0	11.2	293.0	8.0	448.3	5.4	577.3	4.4
77.3	12.3	183.4	11.1	296.2	7.9	450.0	5.4	579.9	4.4
79.3	12.2	184.3	11.0	299.1	7.9	450.3	5.4	582.6	4.4
80.8	12.2	185.3	10.9	302.4	7.8	453.8	5.4	586.0	4.4
82.7	12.2	186.5	10.8	306.5	7.7	455.8	5.4	589.7	4.4
84.7	12.1	188.6	10.7	310.6	7.7	458.3	5.4	593.0	4.4
86.1	12.1	190.7	10.7	314.4	7.7	459.7	5.4	596.2	4.4
88.4	12.0	192.9	10.7	318.1	7.6	460.5	5.3	598.6	4.3
90.6	12.0	195.0	10.7	321.0	7.6	462.6	5.3	603.2	4.3
92.9	11.9	196.8	10.6	323.0	7.5	464.7	5.2	607.4	4.3
96.0	11.9	197.4	10.5	325.4	7.4	466.0	5.2	611.0	4.3
97.8	11.9	197.9	10.3	328.5	7.3	468.0	5.1	615.1	4.3
99.5	12.0	199.0	10.3	333.1	7.3	469.9	5.1	618.6	4.3

STA 14 DAY: 21 TIME: 1852

DEPTH (m)	TEMP (°C)
623.0	4.3
627.7	4.3
631.6	4.3
636.1	4.3
641.1	4.2
646.4	4.2
650.9	4.2
658.3	4.2
663.6	4.2
668.3	4.2
672.8	4.2
677.2	4.2
680.6	4.1
686.3	4.1
691.8	4.1
699.2	4.1
705.0	4.1
711.0	4.1
717.5	4.1
724.0	4.1
730.9	4.1
738.0	4.0
741.2	4.0
746.8	4.0
751.4	4.0

STA 15 DAY: 21 TIME: 1935

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
107	4.	17.985	34.076	5.63	24.569	95.1	0.20
109	6.	17.996	34.077	5.64	24.567	95.1	0.20
107	8.	17.995	34.077	5.59	24.567	95.1	0.20
113	10.	17.992	34.076	5.53	24.568	95.1	0.20
61	12.	17.992	34.076	5.62	24.568	95.2	0.20
108	14.	17.991	34.076	5.60	24.568	95.1	0.20
60	16.	17.990	34.076	5.62	24.568	95.2	0.20
92	18.	17.991	34.077	5.64	24.568	95.1	0.20
96	20.	17.992	34.077	5.60	24.568	95.1	0.20
89	22.	17.992	34.078	5.60	24.569	95.2	0.20
57	24.	17.993	34.078	5.58	24.569	95.2	0.20
120	26.	17.994	34.078	5.52	24.569	95.2	0.20
61	28.	17.996	34.078	5.54	24.568	95.2	0.20
75	30.	17.996	34.078	5.50	24.568	95.3	0.19
39	32.	17.853	34.121	5.38	24.636	95.2	0.20
39	34.	16.346	34.444	5.65	25.242	94.8	0.21
64	36.	15.686	34.575	5.65	25.493	95.3	0.19
38	38.	15.519	34.743	5.52	25.660	96.0	0.16
44	40.	15.287	34.781	5.52	25.741	96.1	0.16
49	42.	15.094	34.778	5.44	25.781	96.3	0.15
33	44.	14.918	34.840	5.32	25.868	96.6	0.14
61	46.	14.986	34.891	5.21	25.892	96.8	0.13
53	48.	14.905	34.892	5.13	25.910	96.8	0.13
137	50.	14.739	34.898	5.07	25.951	96.9	0.12
66	52.	14.238	34.914	5.02	26.071	97.2	0.11
76	54.	14.074	35.096	4.95	26.246	97.6	0.10
85	56.	14.124	35.245	4.69	26.351	98.0	0.08
112	58.	14.088	35.266	4.60	26.375	98.1	0.08
121	60.	14.184	35.310	4.58	26.388	98.2	0.07
84	62.	14.187	35.327	4.55	26.401	98.2	0.07
142	64.	14.159	35.325	4.55	26.406	98.2	0.07
77	66.	14.140	35.324	4.53	26.409	98.2	0.07
96	68.	14.126	35.323	4.53	26.410	98.2	0.07
53	70.	14.115	35.321	4.51	26.412	98.2	0.07
112	72.	13.987	35.309	4.52	26.430	98.2	0.07
72	74.	13.955	35.304	4.51	26.433	98.2	0.07
81	76.	13.766	35.265	4.56	26.442	98.2	0.07
65	78.	13.402	35.219	4.63	26.482	98.3	0.07
97	80.	13.203	35.211	4.65	26.516	98.3	0.07
103	82.	13.265	35.245	4.63	26.530	98.3	0.07
108	84.	13.503	35.337	4.58	26.552	98.4	0.07
50	86.	13.704	35.419	4.51	26.574	98.5	0.06
83	88.	13.994	35.548	4.43	26.613	98.5	0.06
116	90.	14.011	35.554	4.37	26.613	98.5	0.06
70	92.	14.060	35.575	4.35	26.620	98.5	0.06
62	94.	13.983	35.557	4.40	26.622	98.5	0.06
52	96.	13.737	35.505	4.48	26.634	98.5	0.06
50	98.	13.342	35.409	4.53	26.641	98.5	0.06
84	100.	13.415	35.439	4.53	26.649	98.5	0.06
51	102.	13.732	35.553	4.50	26.672	98.5	0.06

STA 15 DAY: 21 TIME: 1935

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
114	104.	13.809	35.589	4.48	26.684	98.6	0.06
83	106.	13.823	35.593	4.41	26.684	98.7	0.05
89	108.	13.826	35.598	4.42	26.687	98.7	0.05
138	110.	13.799	35.592	4.42	26.688	98.7	0.05
112	112.	13.764	35.587	4.40	26.692	98.7	0.05
114	114.	13.745	35.586	4.43	26.694	98.7	0.05
95	116.	13.736	35.585	4.44	26.695	98.6	0.05
69	118.	13.711	35.583	4.45	26.700	98.7	0.05
36	120.	13.685	35.582	4.47	26.704	98.6	0.05
43	122.	13.625	35.583	4.47	26.717	98.6	0.06
51	124.	13.512	35.573	4.46	26.733	98.6	0.05
36	126.	13.471	35.567	4.43	26.737	98.6	0.06
75	128.	13.421	35.560	4.42	26.742	98.6	0.06
53	130.	13.398	35.560	4.39	26.747	98.6	0.05
51	132.	13.441	35.585	4.40	26.757	98.6	0.06
54	134.	13.435	35.592	4.36	26.763	98.7	0.05
31	136.	13.450	35.604	4.33	26.770	98.6	0.06
56	138.	13.448	35.607	4.32	26.772	98.6	0.06
32	140.	13.447	35.608	4.18	26.773	98.6	0.05
39	142.	13.418	35.608	4.21	26.779	98.6	0.06
54	144.	13.395	35.607	4.25	26.783	98.6	0.06
31	146.	13.374	35.613	4.28	26.792	98.6	0.06
56	148.	13.352	35.614	4.28	26.797	98.6	0.06
28	150.	13.313	35.620	4.21	26.810	98.7	0.05
36	152.	13.273	35.629	4.21	26.825	98.6	0.06
43	154.	13.266	35.631	4.16	26.828	98.6	0.06
30	156.	13.257	35.632	4.12	26.831	98.7	0.05
51	158.	13.231	35.636	4.09	26.839	98.6	0.06
40	160.	13.186	35.640	4.04	26.852	98.6	0.06
70	162.	13.163	35.639	3.99	26.856	98.6	0.06
46	164.	13.156	35.641	3.90	26.858	98.6	0.06
96	166.	13.154	35.642	3.91	26.860	98.6	0.06
74	168.	13.149	35.643	3.89	26.861	98.6	0.06
33	170.	13.120	35.646	3.86	26.870	98.5	0.06
71	172.	13.111	35.645	3.87	26.871	98.5	0.06
62	174.	13.104	35.645	3.84	26.873	98.5	0.06
89	176.	13.087	35.646	3.85	26.877	98.5	0.06
48	178.	12.929	35.636	3.81	26.901	98.5	0.06
65	180.	12.739	35.605	3.82	26.915	98.5	0.06
63	182.	12.693	35.599	3.79	26.920	98.5	0.06
51	184.	12.637	35.595	3.76	26.928	98.5	0.06
122	186.	12.514	35.577	3.72	26.938	98.5	0.06
39	188.	12.437	35.571	3.67	26.948	98.5	0.06
41	190.	12.409	35.568	3.66	26.952	98.5	0.06
91	192.	12.384	35.564	3.68	26.954	98.5	0.06
82	194.	12.358	35.561	3.66	26.956	98.5	0.06
43	196.	12.317	35.557	3.65	26.961	98.5	0.06
71	198.	12.284	35.551	3.66	26.963	98.5	0.06
35	200.	12.224	35.547	3.65	26.971	98.5	0.06
92	202.	12.136	35.527	3.66	26.973	98.5	0.06

STA 15 DAY: 21 TIME: 1935

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
64	204.	12.073	35.516	3.64	26.977	98.5	0.06
138	206.	12.012	35.504	3.66	26.979	98.5	0.06
56	208.	11.924	35.494	3.64	26.988	98.5	0.06
117	210.	11.821	35.473	3.67	26.992	98.5	0.06
45	212.	11.727	35.464	3.69	27.003	98.5	0.06
78	214.	11.619	35.442	3.71	27.006	98.5	0.06
59	216.	11.463	35.413	3.76	27.012	98.5	0.06
90	218.	11.210	35.363	3.81	27.021	98.5	0.06
115	220.	11.083	35.340	3.85	27.026	98.5	0.06
87	222.	10.851	35.307	3.86	27.043	98.5	0.06
131	224.	10.798	35.307	3.85	27.051	98.5	0.06
71	226.	10.846	35.326	3.77	27.058	98.5	0.06
126	228.	10.867	35.337	3.75	27.063	98.5	0.06
106	230.	10.864	35.340	3.71	27.066	98.5	0.06
76	232.	10.815	35.334	3.68	27.070	98.5	0.06
96	234.	10.632	35.304	3.70	27.079	98.5	0.06
71	236.	10.503	35.281	3.74	27.084	98.5	0.06
126	238.	10.333	35.243	3.78	27.085	98.5	0.06
39	240.	10.035	35.197	3.82	27.101	98.5	0.06
38	242.	10.004	35.211	3.80	27.116	98.5	0.06
60	244.	9.964	35.212	3.81	27.124	98.5	0.06
36	246.	9.928	35.216	3.76	27.133	98.5	0.06
71	248.	9.952	35.246	3.72	27.153	98.5	0.06
111	250.	9.879	35.237	3.63	27.158	98.5	0.06
90	252.	9.793	35.228	3.64	27.166	98.5	0.06
84	254.	9.705	35.219	3.66	27.173	98.5	0.06
43	256.	9.614	35.212	3.68	27.184	98.5	0.06
56	258.	9.516	35.199	3.68	27.190	98.5	0.06
62	260.	9.505	35.199	3.70	27.191	98.5	0.06
70	262.	9.434	35.192	3.72	27.198	98.5	0.06
123	264.	9.319	35.174	3.72	27.203	98.5	0.06
36	266.	9.138	35.159	3.73	27.220	98.5	0.06
57	268.	9.126	35.157	3.73	27.221	98.5	0.06
31	270.	9.100	35.156	3.79	27.225	98.5	0.06
37	272.	9.031	35.150	3.78	27.231	98.5	0.06
67	274.	8.976	35.143	3.81	27.234	98.5	0.06
152	276.	8.855	35.128	3.84	27.242	98.5	0.06
98	278.	8.810	35.123	3.81	27.245	98.5	0.06
100	280.	8.766	35.121	3.83	27.251	98.5	0.06
86	282.	8.753	35.122	3.85	27.254	98.5	0.06
67	284.	8.700	35.119	3.85	27.259	98.5	0.06
150	286.	8.674	35.117	3.88	27.262	98.5	0.06
97	288.	8.668	35.117	3.87	27.263	98.5	0.06
77	290.	8.631	35.111	3.88	27.265	98.5	0.06
34	292.	8.600	35.112	3.89	27.270	98.5	0.06
82	294.	8.563	35.110	3.89	27.274	98.5	0.06
61	296.	8.541	35.114	3.87	27.280	98.5	0.06
65	298.	8.499	35.112	3.87	27.286	98.5	0.06
100	300.	8.449	35.105	3.91	27.288	98.5	0.06
58	302.	8.366	35.099	3.91	27.296	98.5	0.06

STA 15 DAY: 21 TIME: 1935

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
137	304.	8.328	35.096	3.94	27.300	98.5	0.06
72	306.	8.313	35.096	3.94	27.302	98.5	0.06
105	308.	8.310	35.096	3.94	27.303	98.5	0.06
111	310.	8.299	35.094	3.99	27.303	98.5	0.06
134	312.	8.277	35.095	3.96	27.307	98.5	0.06
78	314.	8.266	35.096	3.97	27.309	98.5	0.06
117	316.	8.243	35.094	3.98	27.311	98.5	0.06
123	318.	8.175	35.088	4.00	27.317	98.5	0.06
100	320.	8.068	35.078	4.04	27.325	98.5	0.06
108	322.	7.994	35.073	4.06	27.332	98.5	0.06
81	324.	7.984	35.072	4.11	27.333	98.5	0.06
104	326.	7.971	35.072	4.10	27.335	98.5	0.06
63	328.	7.953	35.078	4.09	27.343	98.5	0.06
40	330.	7.926	35.089	4.10	27.355	98.5	0.06
84	332.	7.877	35.091	4.12	27.364	98.5	0.06
87	334.	7.820	35.088	4.13	27.370	98.5	0.06
48	336.	7.787	35.088	4.16	27.375	98.5	0.06
52	338.	7.724	35.083	4.17	27.380	98.5	0.06
39	340.	7.703	35.082	4.21	27.383	98.5	0.06
70	342.	7.671	35.080	4.22	27.386	98.5	0.06
29	344.	7.650	35.080	4.23	27.389	98.5	0.06
58	346.	7.622	35.080	4.23	27.393	98.5	0.06
37	348.	7.592	35.080	4.26	27.398	98.5	0.06
54	350.	7.543	35.076	4.25	27.401	98.5	0.06
98	352.	7.506	35.073	4.29	27.404	98.5	0.06
85	354.	7.488	35.072	4.30	27.406	98.5	0.06
87	356.	7.472	35.071	4.30	27.408	98.5	0.06
54	358.	7.463	35.070	4.32	27.408	98.5	0.06
129	360.	7.456	35.069	4.33	27.409	98.5	0.06
85	362.	7.443	35.069	4.31	27.410	98.5	0.06
80	364.	7.432	35.069	4.33	27.412	98.5	0.06
55	366.	7.364	35.064	4.31	27.418	98.5	0.06
72	368.	7.334	35.061	4.35	27.419	98.5	0.06
37	370.	7.297	35.058	4.40	27.423	98.5	0.06
64	372.	7.271	35.055	4.40	27.424	98.5	0.06
53	374.	7.257	35.054	4.42	27.426	98.5	0.06
43	376.	7.205	35.050	4.44	27.430	98.5	0.06
64	378.	7.114	35.043	4.47	27.437	98.5	0.06
34	380.	7.068	35.042	4.49	27.443	98.5	0.06
60	382.	7.048	35.040	4.50	27.444	98.5	0.06
39	384.	7.040	35.040	4.52	27.445	98.5	0.06
57	386.	6.999	35.036	4.53	27.448	98.5	0.06
68	388.	6.967	35.033	4.56	27.450	98.5	0.06
84	390.	6.848	35.020	4.60	27.456	98.5	0.06
88	392.	6.793	35.020	4.63	27.463	98.5	0.06
63	394.	6.780	35.020	4.62	27.465	98.5	0.06
96	396.	6.744	35.017	4.66	27.468	98.5	0.06
70	398.	6.708	35.014	4.67	27.470	98.5	0.06
64	400.	6.688	35.013	4.67	27.472	98.5	0.06
70	402.	6.674	35.012	4.70	27.473	98.5	0.06

STA 15 DAY: 21 TIME: 1935

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
55	404.	6.643	35.010	4.70	27.476	98.5	0.06
110	406.	6.621	35.010	4.73	27.479	98.5	0.06
85	408.	6.576	35.007	4.75	27.482	98.4	0.07
82	410.	6.546	35.007	4.76	27.487	98.3	0.07
64	412.	6.537	35.008	4.81	27.489	98.3	0.07
71	414.	6.531	35.008	4.82	27.489	98.3	0.07
66	416.	6.530	35.008	4.83	27.490	98.3	0.07
30	418.	6.511	35.008	4.82	27.492	98.3	0.07
39	420.	6.490	35.007	4.83	27.494	98.2	0.07
42	422.	6.485	35.005	4.88	27.494	98.1	0.08
45	424.	6.471	35.006	4.90	27.496	98.1	0.08
41	426.	6.462	35.004	4.91	27.496	98.2	0.07
33	428.	6.456	35.004	4.90	27.496	98.2	0.07
64	430.	6.448	35.003	4.91	27.497	98.2	0.07
65	432.	6.437	35.001	4.91	27.497	98.3	0.07
69	434.	6.429	35.000	4.91	27.497	98.3	0.07
36	436.	6.376	34.999	4.90	27.503	98.3	0.07
59	438.	6.328	34.993	4.90	27.505	98.3	0.07
89	440.	6.261	34.987	4.93	27.509	98.4	0.07
86	442.	6.216	34.984	4.95	27.512	98.4	0.06
70	444.	6.201	34.985	4.94	27.515	98.4	0.07
39	446.	6.198	34.988	4.98	27.518	98.3	0.07
68	448.	6.180	34.989	4.99	27.521	98.3	0.07
54	450.	6.171	34.988	5.03	27.522	98.2	0.07
49	452.	6.164	34.988	5.02	27.522	98.2	0.07
61	454.	6.156	34.988	5.04	27.523	98.3	0.07
54	456.	6.147	34.987	5.03	27.524	98.3	0.07
78	458.	6.138	34.986	5.03	27.524	98.3	0.07
37	460.	6.126	34.985	5.03	27.525	98.3	0.07
42	462.	6.114	34.984	5.04	27.526	98.3	0.07
41	464.	6.096	34.984	5.05	27.528	98.3	0.07
40	466.	6.091	34.984	5.06	27.528	98.3	0.07
60	468.	6.097	34.984	5.06	27.528	98.3	0.07
140	470.	6.105	34.985	5.05	27.527	98.3	0.07
99	472.	6.110	34.985	5.02	27.527	98.3	0.07
84	474.	6.099	34.984	5.03	27.528	98.3	0.07
56	476.	6.104	34.984	5.03	27.527	98.3	0.07
102	478.	6.095	34.983	5.04	27.527	98.3	0.07
77	480.	6.073	34.983	5.04	27.530	98.3	0.07
77	482.	6.070	34.983	5.06	27.531	98.3	0.07
75	484.	6.067	34.983	5.08	27.531	98.3	0.07
53	486.	6.069	34.983	5.09	27.531	98.3	0.07
100	488.	6.068	34.983	5.10	27.531	98.3	0.07
68	490.	6.066	34.983	5.10	27.531	98.3	0.07
86	492.	6.054	34.983	5.10	27.533	98.2	0.07
92	494.	6.075	34.984	5.08	27.530	98.3	0.07
94	496.	6.060	34.983	5.09	27.531	98.3	0.07
107	498.	6.035	34.983	5.12	27.535	98.2	0.07
101	500.	6.016	34.983	5.15	27.537	98.2	0.07

STA 16 DAY: 21 TIME: 2040

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
36	2.	17.342	34.056	5.64	24.709	93.9	0.25
36	4.	17.341	34.055	5.64	24.709	94.2	0.24
64	6.	17.341	34.056	5.61	24.709	94.2	0.24
32	8.	17.341	34.055	5.66	24.709	94.2	0.24
55	10.	17.338	34.055	5.67	24.709	94.3	0.23
33	12.	17.338	34.054	5.67	24.709	94.3	0.23
34	14.	17.340	34.055	5.65	24.709	94.4	0.23
70	16.	17.337	34.053	5.64	24.708	94.4	0.23
47	18.	17.350	34.057	5.60	24.708	94.4	0.23
71	20.	17.353	34.057	5.62	24.708	94.4	0.23
50	22.	17.359	34.062	5.64	24.710	94.4	0.23
19	24.	17.354	34.058	5.67	24.708	94.4	0.23
39	26.	17.359	34.061	5.66	24.709	94.4	0.23
43	28.	17.395	34.074	5.64	24.711	94.4	0.23
64	30.	17.517	34.130	5.61	24.724	94.6	0.22
39	32.	17.533	34.140	5.54	24.728	94.6	0.22
23	34.	17.011	34.373	5.57	25.032	95.2	0.20
59	36.	15.939	34.531	5.55	25.402	96.4	0.15
26	38.	15.562	34.573	5.32	25.519	96.7	0.14
57	40.	15.125	34.585	5.29	25.625	96.8	0.13
56	42.	14.806	34.599	5.24	25.706	97.0	0.12
39	44.	13.890	34.501	5.29	25.825	97.1	0.12
42	46.	13.067	34.418	5.32	25.929	97.3	0.11
54	48.	12.517	34.363	5.29	25.995	97.3	0.11
37	50.	12.313	34.340	5.28	26.017	97.3	0.11
50	52.	12.075	34.312	5.28	26.041	97.3	0.11
35	54.	11.844	34.294	5.27	26.071	97.3	0.11
29	56.	11.635	34.337	5.28	26.143	97.4	0.10
36	58.	11.570	34.420	5.21	26.220	97.5	0.10
39	60.	11.508	34.446	5.16	26.252	97.5	0.10
74	62.	11.488	34.456	5.12	26.263	97.5	0.10
55	64.	11.414	34.453	5.09	26.275	97.6	0.10
36	66.	11.314	34.447	5.08	26.288	97.6	0.10
62	68.	11.204	34.446	5.08	26.308	97.6	0.10
53	70.	11.187	34.458	5.04	26.320	97.6	0.10
22	72.	11.231	34.487	5.01	26.334	97.7	0.09
50	74.	11.307	34.536	4.99	26.359	97.7	0.09
33	76.	11.342	34.552	4.96	26.365	97.7	0.09
21	78.	11.424	34.583	4.93	26.374	97.8	0.09
39	80.	11.873	34.803	4.85	26.461	97.8	0.09
36	82.	12.393	34.964	4.76	26.486	98.0	0.08
50	84.	12.511	35.009	4.72	26.497	98.0	0.08
53	86.	12.521	35.009	4.64	26.495	98.0	0.08
27	88.	12.564	35.032	4.58	26.505	98.0	0.08
42	90.	12.600	35.056	4.60	26.517	98.0	0.08
20	92.	12.571	35.063	4.62	26.528	98.0	0.08
44	94.	12.684	35.121	4.60	26.550	98.0	0.08
41	96.	12.857	35.184	4.58	26.564	98.1	0.07
63	98.	12.945	35.233	4.52	26.585	98.2	0.07
50	100.	12.886	35.224	4.52	26.590	98.2	0.07

STA 16 DAY: 21 TIME: 2040

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
36	102.	12.863	35.220	4.55	26.592	98.2	0.07
48	104.	12.661	35.184	4.60	26.603	98.2	0.07
45	106.	12.602	35.185	4.58	26.616	98.2	0.07
33	108.	12.542	35.192	4.58	26.633	98.2	0.07
35	110.	12.527	35.197	4.60	26.641	98.2	0.07
39	112.	12.298	35.181	4.60	26.673	98.2	0.07
34	114.	12.000	35.160	4.63	26.714	98.2	0.07
43	116.	11.951	35.154	4.61	26.719	98.2	0.07
32	118.	11.920	35.152	4.60	26.723	98.2	0.07
26	120.	11.881	35.148	4.60	26.728	98.2	0.07
41	122.	11.846	35.146	4.60	26.732	98.2	0.07
18	124.	11.808	35.139	4.58	26.734	98.2	0.07
30	126.	11.784	35.134	4.59	26.735	98.1	0.08
45	128.	11.760	35.131	4.58	26.737	98.1	0.08
18	130.	11.692	35.120	4.57	26.742	98.0	0.08
24	132.	11.634	35.110	4.58	26.745	98.0	0.08
29	134.	11.593	35.106	4.59	26.749	98.0	0.08
25	136.	11.574	35.105	4.59	26.752	98.0	0.08
33	138.	11.557	35.107	4.60	26.757	98.0	0.08
24	140.	11.576	35.130	4.60	26.771	98.0	0.08
14	142.	11.611	35.152	4.59	26.781	98.0	0.08
25	144.	11.457	35.131	4.61	26.794	98.0	0.08
47	146.	11.344	35.112	4.56	26.800	98.0	0.08
38	148.	11.325	35.113	4.54	26.804	98.0	0.08
44	150.	11.294	35.113	4.52	26.810	98.0	0.08
29	152.	11.292	35.116	4.50	26.813	98.0	0.08
55	154.	11.287	35.117	4.51	26.815	98.0	0.08
31	156.	11.285	35.117	4.50	26.815	98.0	0.08
49	158.	11.280	35.117	4.49	26.816	98.0	0.08
22	160.	11.248	35.114	4.48	26.819	97.9	0.08
6	161.	11.220	35.113	4.49	26.824	98.0	0.08
13	162.	11.220	35.115	4.49	26.826	98.0	0.08
21	163.	11.199	35.119	4.47	26.833	98.0	0.08
11	164.	11.176	35.130	4.44	26.845	98.0	0.08
9	165.	11.150	35.146	4.44	26.863	98.0	0.08
14	166.	11.150	35.164	4.44	26.876	98.0	0.08
22	167.	11.175	35.203	4.39	26.902	98.0	0.08
12	168.	11.193	35.224	4.33	26.916	98.1	0.08
21	169.	11.208	35.237	4.32	26.923	98.1	0.08
14	170.	11.208	35.237	4.26	26.923	98.0	0.08
35	171.	11.186	35.235	4.22	26.925	98.1	0.08
24	172.	11.176	35.233	4.20	26.925	98.1	0.08
21	173.	11.177	35.233	4.20	26.925	98.1	0.08
41	174.	11.171	35.232	4.20	26.925	98.1	0.08
25	175.	11.169	35.232	4.20	26.926	98.1	0.08
30	176.	11.182	35.235	4.20	26.926	98.1	0.08
36	177.	11.183	35.235	4.19	26.926	98.1	0.08
42	178.	11.181	35.235	4.19	26.926	98.1	0.08

STA 17 DAY: 21 TIME: 2136

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.9	17.4	90.7	12.2
2.1	17.4	91.5	12.3
4.8	17.4	92.8	12.5
7.3	17.4	93.6	12.6
10.1	17.4	94.4	12.9
12.1	17.4	95.1	13.1
13.7	16.4	96.3	13.3
14.0	14.5	96.5	13.5
14.1	13.5	97.0	13.6
14.7	12.0	98.0	13.7
15.4	11.0	100.4	13.7
18.5	10.0	101.7	13.5
20.5	9.6	102.7	13.2
22.5	9.4	103.1	12.9
24.0	9.3	103.6	12.5
26.1	9.2	103.9	12.2
28.3	9.0	104.4	11.9
31.5	9.0	105.5	11.8
35.2	9.0	107.6	11.6
38.5	9.0	111.8	11.6
42.6	9.0	113.5	11.5
45.5	9.1	115.6	11.4
47.4	9.5	117.6	11.4
48.5	10.0	118.6	11.3
49.5	10.5	121.4	11.2
49.8	11.0	124.2	11.2
50.7	11.3	126.5	11.2
51.7	11.5	129.3	11.2
53.4	11.7		
57.0	11.8		
59.3	11.8		
61.1	11.7		
62.5	11.5		
63.0	11.4		
63.6	11.1		
64.3	11.0		
66.1	10.9		
67.3	10.8		
69.0	10.7		
71.4	10.8		
74.1	10.8		
76.9	10.9		
80.5	11.0		
82.1	11.2		
83.6	11.4		
84.6	11.5		
85.9	11.7		
86.8	11.9		
87.3	12.0		
89.0	12.0		

STA 18 DAY: 21 TIME: 2222

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
15	1.	17.614	34.187	5.68	24.744	93.0	0.29
47	2.	17.610	34.186	5.70	24.744	93.0	0.29
22	4.	17.624	34.190	5.69	24.744	94.0	0.25
36	6.	17.644	34.198	5.68	24.745	94.9	0.21
56	8.	17.647	34.198	5.69	24.745	94.9	0.21
67	10.	17.650	34.200	5.52	24.746	94.9	0.21
26	12.	17.636	34.197	5.52	24.747	94.9	0.21
50	14.	17.643	34.199	5.62	24.746	94.9	0.21
19	16.	17.647	34.198	5.66	24.745	94.9	0.21
17	18.	17.663	34.200	5.71	24.742	94.9	0.21
25	20.	17.666	34.201	5.74	24.743	94.9	0.21
13	22.	17.660	34.199	5.74	24.743	94.9	0.21
20	24.	17.663	34.200	5.77	24.742	94.9	0.21
21	26.	17.666	34.200	5.77	24.742	94.9	0.21
30	28.	17.677	34.203	5.75	24.741	94.9	0.21
29	30.	17.614	34.187	5.59	24.744	94.9	0.21
66	32.	17.093	34.048	5.58	24.763	95.0	0.20
76	34.	14.551	33.542	5.71	24.946	95.5	0.18
27	36.	11.959	33.171	5.89	25.177	95.8	0.17
24	38.	9.883	32.863	6.13	25.304	96.0	0.17
32	40.	9.400	32.834	5.93	25.360	95.9	0.17
18	42.	9.304	32.866	5.81	25.400	95.8	0.17
33	44.	9.194	32.875	5.82	25.424	95.7	0.18
16	46.	9.218	32.895	5.82	25.436	95.6	0.18
21	48.	9.198	32.896	5.82	25.440	95.6	0.18
33	50.	9.187	32.898	5.80	25.443	95.6	0.18
48	52.	9.187	32.904	5.78	25.448	95.6	0.18
43	54.	9.178	32.915	5.75	25.458	95.6	0.18
31	56.	9.155	32.922	5.72	25.467	95.5	0.18
54	58.	9.051	32.945	5.73	25.502	95.5	0.19
39	60.	8.993	32.962	5.70	25.524	95.4	0.19
34	62.	8.970	32.964	5.67	25.529	95.4	0.19
54	64.	8.972	32.982	5.68	25.543	95.4	0.19
52	66.	8.994	32.998	5.63	25.552	95.4	0.19
52	68.	9.006	33.006	5.64	25.556	95.4	0.19
41	70.	9.010	33.008	5.63	25.557	95.4	0.19
21	72.	9.016	33.011	5.63	25.559	95.4	0.19
51	74.	9.031	33.022	5.62	25.565	95.4	0.19
64	76.	9.054	33.037	5.61	25.573	95.5	0.19
32	78.	9.089	33.056	5.61	25.583	95.5	0.19
49	80.	9.148	33.092	5.58	25.602	95.5	0.18
7	81.	9.166	33.100	5.56	25.605	95.5	0.18
15	82.	9.177	33.107	5.56	25.608	95.6	0.18
18	83.	9.210	33.127	5.56	25.619	95.6	0.18
26	84.	9.242	33.148	5.55	25.630	95.6	0.18
16	85.	9.268	33.160	5.54	25.635	95.6	0.18
37	86.	9.296	33.180	5.53	25.646	95.6	0.18
45	87.	9.333	33.204	5.53	25.659	95.7	0.17
24	88.	9.355	33.219	5.51	25.667	95.7	0.17
34	89.	9.377	33.236	5.51	25.678	95.5	0.18

STA 18 DAY: 21 TIME: 2222

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
28	90.	9.398	33.254	5.50	25.688	95.7	0.17
26	91.	9.419	33.274	5.48	25.700	95.7	0.17
8	92.	9.437	33.287	5.48	25.708	95.6	0.18
12	93.	9.454	33.308	5.49	25.721	95.6	0.18
15	94.	9.462	33.317	5.50	25.727	95.6	0.18
12	95.	9.464	33.321	5.49	25.729	95.6	0.18
7	96.	9.466	33.323	5.48	25.731	95.6	0.18

STA 19 DAY: 21 TIME: 2337

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
3.8	16.6	94.4	9.5
6.3	16.6	94.8	9.5
8.6	16.6	96.8	9.6
9.7	16.6	98.4	9.6
9.8	16.7	99.8	9.6
11.2	16.7	101.3	9.7
12.6	16.7	102.1	9.8
13.2	16.8	103.0	9.8
14.9	17.0	104.2	9.9
16.9	17.0	105.6	10.0
18.4	17.1		
19.8	17.2		
22.9	17.2		
26.0	17.2		
29.5	17.2		
32.9	17.2		
37.2	17.2		
39.3	17.0		
41.0	16.5		
42.1	16.0		
44.0	15.5		
45.9	15.0		
47.2	14.5		
48.2	13.9		
48.5	12.9		
48.3	11.9		
51.5	10.9		
54.5	9.9		
55.6	9.5		
57.1	9.1		
58.6	9.0		
59.5	8.9		
60.4	8.7		
62.7	8.7		
64.8	8.8		
67.0	8.8		
71.3	8.8		
72.0	8.9		
73.6	9.0		
76.3	9.1		
80.3	9.1		
81.4	9.1		
82.2	9.3		
83.8	9.4		
84.9	9.4		
85.1	9.5		
86.4	9.5		
88.4	9.5		
90.1	9.5		
91.7	9.5		

STA 20 DAY: 22 TIME: 0005

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
3.6	14.9	82.2	10.0
5.2	15.0	85.5	10.0
6.9	15.1	88.6	10.1
9.5	15.2	91.1	10.1
11.1	15.2	93.4	10.1
13.9	15.2	96.1	10.1
15.8	15.2	99.1	10.1
16.7	15.1	101.0	10.1
18.8	15.1	103.7	10.1
21.3	15.1		
24.0	15.1		
24.5	15.1		
25.1	15.0		
26.7	15.0		
28.8	15.0		
29.6	14.8		
30.4	14.7		
31.9	14.7		
32.5	14.7		
34.6	14.6		
36.3	14.6		
38.4	14.6		
39.8	14.6		
41.7	14.5		
42.6	13.9		
43.3	13.4		
43.3	12.9		
43.5	12.4		
44.6	11.9		
44.8	11.4		
47.3	10.9		
48.5	10.4		
50.5	9.9		
51.2	9.9		
55.5	9.8		
56.2	9.6		
57.5	9.5		
58.6	9.5		
59.9	9.4		
62.3	9.3		
63.3	9.3		
64.4	9.2		
65.3	9.1		
67.2	9.1		
69.5	9.1		
73.5	9.2		
76.4	9.5		
78.6	9.7		
79.2	9.9		
79.9	9.9		

STA 21 DAY: 22 TIME: 0215

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
102	5.	14.285	32.975	6.03	24.564	93.7	0.26
39	6.	14.290	32.976	6.00	24.563	93.8	0.26
98	8.	14.293	32.976	5.99	24.563	93.8	0.26
82	10.	14.293	32.976	5.95	24.563	93.8	0.26
167	12.	14.294	32.975	5.94	24.562	93.8	0.26
53	14.	14.298	32.977	5.91	24.562	93.8	0.26
79	16.	14.297	32.976	5.98	24.562	93.8	0.26
119	18.	14.298	32.977	5.98	24.563	93.8	0.26
93	20.	14.311	32.982	5.91	24.564	93.8	0.26
148	22.	14.320	32.987	5.85	24.566	93.8	0.26
66	24.	14.328	32.991	5.71	24.567	93.8	0.26
65	26.	14.338	32.997	5.82	24.570	93.7	0.26
131	28.	14.342	33.000	5.89	24.571	93.8	0.26
61	30.	14.361	33.011	5.89	24.576	93.7	0.26
86	32.	14.387	33.029	5.98	24.584	93.7	0.26
46	34.	14.398	33.033	5.96	24.585	93.7	0.26
65	36.	14.241	33.025	6.01	24.612	93.9	0.25
104	38.	14.058	32.980	5.90	24.616	94.2	0.24
80	40.	13.655	32.890	5.87	24.628	95.4	0.19
83	42.	13.322	32.837	5.83	24.655	95.9	0.17
52	44.	12.777	32.771	5.76	24.711	96.0	0.16
142	46.	12.254	32.666	5.71	24.730	96.1	0.16
96	48.	11.971	32.639	5.61	24.762	96.1	0.16
118	50.	11.724	32.599	5.66	24.777	95.9	0.17
20	51.	11.527	32.586	5.66	24.802	95.8	0.17
31	52.	11.506	32.590	5.62	24.809	95.8	0.17
38	53.	11.474	32.592	5.62	24.817	95.8	0.17
93	54.	11.463	32.590	5.64	24.817	95.8	0.17
50	55.	11.427	32.593	5.63	24.826	95.8	0.17
76	56.	11.418	32.595	5.62	24.829	95.7	0.17
44	57.	11.411	32.597	5.63	24.832	95.8	0.17
47	58.	11.396	32.598	5.63	24.835	95.7	0.18
55	59.	11.398	32.599	5.65	24.835	95.6	0.18
98	60.	11.357	32.607	5.66	24.849	95.7	0.18
41	61.	11.331	32.620	5.62	24.864	95.4	0.19
23	62.	11.310	32.628	5.61	24.874	95.5	0.19
29	63.	11.282	32.642	5.63	24.890	95.4	0.19
56	64.	11.274	32.645	5.62	24.894	95.4	0.19
30	65.	11.262	32.651	5.60	24.901	95.4	0.19
58	66.	11.258	32.653	5.61	24.903	95.3	0.19
84	67.	11.260	32.652	5.62	24.902	95.4	0.19
59	68.	11.256	32.654	5.58	24.904	95.3	0.19
3	69.	11.279	32.645	5.58	24.893	95.3	0.19

STA 22 DAY: 22 TIME: 0253

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
2.0	15.0	57.9	15.5
2.3	14.9	58.2	15.4
2.4	14.9	58.2	15.2
3.0	15.0	58.4	15.1
4.4	15.1	58.5	15.0
6.8	15.1	58.6	14.8
9.5	15.1	59.0	14.7
10.7	15.1	58.8	14.6
13.3	15.1	58.9	14.5
15.2	15.1	59.3	14.4
16.2	15.1	59.1	14.3
18.7	15.1	59.6	14.1
20.5	15.1	59.7	13.9
21.6	15.1	59.7	13.8
23.1	15.1	60.1	13.7
24.7	15.1	60.3	13.6
27.6	15.1	60.7	13.5
29.9	15.1	60.7	13.4
31.4	15.1	60.9	13.3
33.5	15.2	61.2	13.1
35.7	15.2	61.7	13.1
37.0	15.3	62.6	13.1
37.4	15.3	62.9	13.0
37.5	15.4	63.4	12.8
38.1	15.5	63.5	12.6
38.8	15.5	63.3	12.6
39.3	15.6	63.7	12.4
39.4	15.6	64.0	12.3
39.7	15.7	64.0	12.1
40.8	15.8	64.2	12.0
41.6	15.9	64.7	12.0
43.5	16.0	65.1	11.9
43.8	16.1	66.1	11.9
44.4	16.2	66.8	11.8
45.1	16.3	67.5	11.7
46.4	16.3	68.2	11.6
48.3	16.3	69.8	11.5
49.2	16.2	70.8	11.4
50.1	16.2	72.5	11.3
50.7	16.1	73.3	11.3
50.7	16.0	75.3	11.3
51.0	16.0	78.1	11.2
52.0	16.0	80.0	11.2
54.2	16.0	82.5	11.2
54.6	16.1	82.8	11.2
56.1	16.1	84.6	11.2
57.2	16.0		
57.7	15.9		
57.9	15.8		
58.2	15.6		

STA 23 DAY: 22 TIME: 0335

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
67	3.	14.383	33.238	5.77	24.746	94.4	0.23
122	4.	14.405	33.244	5.73	24.746	94.4	0.23
69	6.	14.404	33.244	5.81	24.747	94.3	0.23
81	8.	14.397	33.242	5.78	24.746	94.4	0.23
86	10.	14.402	33.243	5.71	24.746	94.3	0.24
111	12.	14.397	33.240	5.73	24.745	94.4	0.23
100	14.	14.395	33.240	5.72	24.745	94.4	0.23
48	16.	14.395	33.240	5.80	24.745	94.4	0.23
62	18.	14.388	33.237	5.86	24.745	94.4	0.23
37	20.	14.387	33.236	5.89	24.744	94.4	0.23
65	22.	14.388	33.236	5.91	24.744	94.4	0.23
47	24.	14.402	33.242	5.90	24.745	94.4	0.23
85	26.	14.376	33.256	5.88	24.762	94.4	0.23
58	28.	14.272	33.317	5.80	24.831	94.8	0.21
75	30.	14.112	33.294	5.84	24.847	95.1	0.20
128	32.	14.100	33.295	5.77	24.850	95.1	0.20
53	34.	14.090	33.294	5.80	24.850	95.1	0.20
90	36.	14.045	33.289	5.80	24.856	95.2	0.20
87	38.	14.102	33.351	5.78	24.892	95.5	0.19
120	40.	13.985	33.375	5.73	24.935	95.7	0.17
48	42.	13.441	33.341	5.71	25.020	95.8	0.17
74	44.	11.724	32.974	5.91	25.067	96.1	0.16
70	46.	11.335	32.971	5.80	25.137	96.3	0.15
148	48.	10.968	32.953	5.80	25.188	96.4	0.15
48	50.	10.259	32.922	5.86	25.287	96.4	0.14
70	52.	9.636	32.853	5.91	25.336	96.5	0.14
73	54.	9.516	32.878	5.86	25.375	96.6	0.14
65	56.	9.401	32.886	5.88	25.400	96.6	0.14
66	58.	9.277	32.904	5.86	25.434	96.6	0.14
39	60.	9.258	32.914	5.84	25.445	96.6	0.14
62	62.	9.217	32.936	5.85	25.468	96.6	0.14
47	64.	9.185	32.954	5.82	25.487	96.6	0.14
91	66.	9.184	32.977	5.81	25.506	96.7	0.13
113	68.	9.216	32.991	5.77	25.512	96.7	0.13
83	70.	9.235	32.999	5.77	25.514	96.7	0.13
115	72.	9.228	32.997	5.78	25.514	96.7	0.13
80	74.	9.257	33.004	5.76	25.515	96.8	0.13
50	76.	9.295	33.014	5.74	25.517	96.8	0.13
64	78.	9.351	33.031	5.75	25.522	96.8	0.13
85	80.	9.242	33.047	5.75	25.552	96.8	0.13
35	81.	9.159	33.043	5.78	25.562	96.8	0.13
51	82.	9.041	33.034	5.75	25.572	96.8	0.13
23	83.	8.965	33.192	5.73	25.708	96.8	0.13
22	84.	8.989	33.232	5.70	25.736	96.8	0.13
32	85.	9.090	33.322	5.68	25.790	96.9	0.12
63	86.	9.199	33.372	5.68	25.813	97.0	0.12
55	87.	9.653	33.504	5.60	25.842	96.9	0.13
24	88.	10.535	33.958	5.38	26.047	96.6	0.14
21	89.	10.016	34.001	5.50	26.170	95.3	0.19
28	90.	10.001	33.983	5.51	26.158	94.3	0.24

STA 23 DAY: 22 TIME: 0335

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
36	91.	10.034	33.982	5.48	26.152	94.2	0.24
48	92.	9.989	33.984	5.39	26.161	94.1	0.24
44	93.	9.966	33.983	5.30	26.164	93.8	0.26
59	94.	9.950	33.982	5.30	26.166	93.7	0.26
39	95.	9.942	33.981	5.29	26.167	93.4	0.27
41	96.	9.943	33.982	5.30	26.167	93.4	0.27
57	97.	9.942	33.982	5.30	26.167	93.4	0.27
25	98.	9.937	33.981	5.29	26.167	93.1	0.29

STA 24 DAY: 22 TIME: 0428

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
3.8	17.9	55.0	11.6	117.5	9.4
5.7	17.9	54.7	11.3	118.6	9.3
7.7	17.9	55.1	11.1	121.2	9.3
9.7	17.9	55.3	10.9	123.2	9.3
11.8	17.9	55.6	10.6	126.8	9.3
15.1	17.9	56.1	10.4	129.6	9.3
17.6	17.9	56.2	10.2	131.5	9.3
19.8	17.9	56.7	10.0	133.9	9.3
22.2	17.9	57.3	9.9	135.5	9.3
25.5	17.9	57.7	9.7	136.5	9.4
28.2	17.9	58.5	9.6	137.7	9.6
30.4	17.9	59.5	9.5	139.3	9.8
33.7	17.9	61.2	9.4	141.1	9.9
38.8	17.9	62.3	9.4	142.6	10.1
41.0	17.9	63.3	9.4	143.8	10.3
43.5	17.9	64.5	9.4	145.2	10.6
45.7	17.9	65.3	9.3	146.4	10.9
47.6	17.9	66.4	9.1	147.1	11.1
48.1	17.8	66.9	9.0	147.3	11.3
48.4	17.6	67.3	9.0	147.7	11.3
48.5	17.5	68.2	9.0	149.7	11.2
48.9	17.4	68.9	9.0	151.6	11.4
49.6	17.4	69.3	9.0	152.0	11.3
49.9	17.1	70.0	9.1	152.6	11.4
50.1	16.9	71.1	9.0	153.9	11.4
50.2	16.7	71.7	9.0	154.6	11.3
50.8	16.4	72.3	8.9	155.5	11.2
50.3	16.1	72.9	8.8	156.0	11.1
50.7	16.0	74.4	8.8	156.3	10.9
50.6	15.8	75.7	8.8	156.5	10.9
50.7	15.6	77.6	8.9	156.8	10.8
50.8	15.4	78.2	9.0	157.0	10.7
50.7	15.2	79.2	9.0	157.5	10.5
50.6	15.0	81.0	9.1	157.2	10.4
50.5	14.8	81.5	9.1	157.5	10.7
50.8	14.5	82.3	9.1	158.0	10.6
51.0	14.3	83.2	9.1	159.2	10.6
51.2	14.1	84.2	9.1	160.3	10.6
51.3	13.9	86.3	9.1		
51.5	13.6	87.7	9.1		
52.2	13.4	90.7	9.1		
52.8	13.4	93.5	9.1		
53.6	13.2	96.1	9.2		
53.2	13.0	98.6	9.2		
53.4	12.9	100.2	9.2		
53.4	12.6	101.8	9.2		
53.6	12.4	105.0	9.3		
53.8	12.1	107.3	9.4		
54.5	11.9	110.2	9.4		
54.7	11.7	113.4	9.4		

STA 25 DAY: 22 TIME: 0536

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
53	4.	17.446	34.329	5.60	24.894	95.6	0.18
100	6.	17.455	34.328	5.61	24.891	95.7	0.17
122	8.	17.447	34.326	5.54	24.891	95.7	0.17
70	10.	17.439	34.324	5.52	24.892	95.8	0.17
110	12.	17.451	34.328	5.52	24.891	95.8	0.17
87	14.	17.443	34.323	5.44	24.890	95.8	0.17
82	16.	17.407	34.310	5.49	24.889	95.8	0.17
128	18.	17.242	34.262	5.44	24.891	95.8	0.17
53	20.	16.288	34.080	5.46	24.975	95.8	0.17
78	22.	14.637	33.629	5.68	24.994	95.9	0.17
55	24.	13.278	33.391	5.56	25.092	95.9	0.17
102	26.	10.597	32.776	5.90	25.115	95.8	0.17
83	28.	10.521	32.776	5.77	25.128	95.8	0.17
34	30.	9.790	32.688	5.89	25.182	95.8	0.17
69	32.	9.689	32.666	5.88	25.181	96.0	0.16
58	34.	9.579	32.684	5.88	25.213	95.9	0.17
144	36.	9.596	32.741	5.85	25.255	96.2	0.16
62	38.	9.621	32.779	5.77	25.281	96.3	0.15
64	40.	9.582	32.883	5.71	25.369	96.4	0.15
92	42.	9.422	32.925	5.81	25.427	96.6	0.14
57	44.	9.195	32.977	5.80	25.504	96.8	0.13
72	46.	9.053	32.986	5.80	25.534	96.8	0.13
38	48.	8.887	33.027	5.80	25.592	96.8	0.13
43	50.	8.804	33.075	5.80	25.642	96.8	0.13
71	52.	8.761	33.114	5.79	25.679	96.9	0.12
65	54.	8.780	33.191	5.73	25.736	97.0	0.12
105	56.	8.823	33.278	5.70	25.798	97.0	0.12
50	58.	8.814	33.333	5.65	25.843	97.1	0.12
97	60.	8.785	33.373	5.62	25.878	97.1	0.12
75	62.	8.795	33.377	5.64	25.880	97.1	0.12
46	64.	8.876	33.439	5.62	25.916	97.1	0.12
109	66.	9.065	33.582	5.59	25.998	97.1	0.12
143	68.	9.065	33.588	5.46	26.002	97.1	0.12
45	70.	9.050	33.587	5.37	26.004	97.1	0.12
39	72.	9.046	33.589	5.39	26.006	97.1	0.12
69	74.	9.029	33.586	5.49	26.007	97.1	0.12
54	76.	9.018	33.588	5.55	26.010	97.1	0.12
120	78.	9.018	33.616	5.50	26.032	97.1	0.12
69	80.	9.033	33.648	5.39	26.054	97.1	0.12
37	82.	9.049	33.673	5.32	26.071	97.1	0.12
79	84.	9.057	33.679	5.39	26.075	97.1	0.12
39	86.	9.064	33.691	5.50	26.083	97.1	0.12
111	88.	9.045	33.696	5.51	26.090	97.2	0.12
98	90.	9.071	33.741	5.43	26.121	97.3	0.11
72	92.	9.058	33.758	5.38	26.137	97.3	0.11
45	94.	9.059	33.766	5.35	26.143	97.3	0.11
97	96.	9.085	33.784	5.40	26.152	97.3	0.11
68	98.	9.139	33.808	5.43	26.163	97.3	0.11
57	100.	9.183	33.834	5.41	26.176	97.3	0.11
122	102.	9.204	33.859	5.41	26.192	97.3	0.11

STA 25 DAY: 22 TIME: 0536

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
49	104.	9.262	33.890	5.38	26.208	97.3	0.11
76	106.	9.313	33.912	5.35	26.216	97.3	0.11
91	108.	9.307	33.914	5.38	26.219	97.3	0.11
108	110.	9.364	33.931	5.35	26.223	97.3	0.11
124	112.	9.894	34.117	5.21	26.280	97.4	0.10
92	114.	10.112	34.188	5.16	26.300	97.5	0.10
115	116.	10.620	34.335	5.08	26.326	97.5	0.10
54	118.	11.289	34.510	4.95	26.342	97.5	0.10
121	120.	12.385	34.919	4.82	26.452	97.9	0.08
131	122.	12.409	34.920	4.77	26.448	98.0	0.08
94	124.	12.467	34.979	4.74	26.483	98.1	0.08
93	126.	12.667	35.126	4.74	26.558	98.2	0.07
52	128.	12.609	35.127	4.71	26.570	98.2	0.07
58	130.	12.436	35.101	4.74	26.584	98.2	0.07
98	132.	12.087	35.011	4.76	26.582	98.1	0.08
85	134.	11.831	34.952	4.73	26.585	98.0	0.08
102	136.	11.382	34.856	4.75	26.594	97.9	0.09
78	138.	10.721	34.717	4.80	26.606	97.7	0.09
77	140.	10.430	34.660	4.80	26.612	97.5	0.10
89	142.	10.292	34.635	4.85	26.617	97.5	0.10
70	144.	10.169	34.633	4.85	26.637	97.5	0.10
121	146.	10.162	34.646	4.85	26.648	97.5	0.10
82	148.	10.146	34.657	4.80	26.660	97.5	0.10
65	150.	10.072	34.655	4.81	26.671	97.5	0.10
60	152.	10.043	34.657	4.88	26.677	97.5	0.10
109	154.	10.020	34.667	4.85	26.689	97.5	0.10
37	156.	9.955	34.667	4.75	26.700	97.4	0.10
36	158.	10.025	34.695	4.73	26.710	97.5	0.10
119	160.	10.069	34.725	4.77	26.726	97.5	0.10
68	162.	10.142	34.756	4.75	26.737	97.5	0.10
85	164.	10.169	34.768	4.74	26.742	97.5	0.10
97	166.	10.194	34.782	4.72	26.749	97.5	0.10
102	168.	10.328	34.845	4.67	26.774	97.6	0.10
124	170.	10.533	34.951	4.58	26.822	97.5	0.10
21	171.	10.548	34.962	4.53	26.827	97.5	0.10
44	172.	10.591	34.987	4.53	26.839	97.5	0.10
48	173.	10.641	35.011	4.52	26.849	97.5	0.10
43	174.	10.669	35.023	4.50	26.853	97.5	0.10
53	175.	10.632	35.034	4.49	26.869	97.5	0.10
32	176.	10.604	35.055	4.51	26.890	97.3	0.11
51	177.	10.605	35.060	4.50	26.893	97.4	0.11
31	178.	10.599	35.065	4.46	26.898	97.4	0.10
52	179.	10.599	35.064	4.45	26.898	97.4	0.10
36	180.	10.589	35.073	4.43	26.906	97.5	0.10
59	181.	10.580	35.076	4.42	26.911	97.5	0.10
1	182.	10.560	35.083	4.44	26.919	97.5	0.10

STA 26 DAY: 22 TIME: 0615

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
41	6.	17.708	34.317	5.41	24.821	95.8	0.17
39	8.	17.711	34.317	5.42	24.820	95.9	0.17
32	10.	17.711	34.317	5.48	24.820	95.8	0.17
21	12.	17.713	34.316	5.43	24.819	95.9	0.17
47	14.	17.705	34.316	5.42	24.822	95.9	0.17
41	16.	17.705	34.318	5.43	24.823	95.9	0.17
32	18.	17.706	34.318	5.52	24.823	95.9	0.17
15	20.	17.709	34.317	5.45	24.821	95.9	0.17
22	22.	17.704	34.316	5.39	24.821	95.9	0.17
29	24.	17.701	34.318	5.49	24.824	95.9	0.17
19	26.	17.708	34.319	5.53	24.823	95.9	0.17
19	28.	17.709	34.319	5.49	24.823	95.9	0.17
28	30.	17.709	34.319	5.43	24.823	95.9	0.17
41	32.	17.697	34.320	5.49	24.827	95.9	0.17
17	34.	17.687	34.324	5.50	24.831	95.9	0.17
16	36.	17.631	34.282	5.38	24.813	95.9	0.17
25	38.	16.803	34.123	5.37	24.889	96.2	0.16
56	40.	15.354	33.753	5.41	24.934	96.4	0.15
27	42.	12.057	33.058	5.68	25.071	96.3	0.15
35	44.	10.325	32.873	5.94	25.237	96.3	0.15
24	46.	10.377	32.919	5.85	25.264	96.5	0.14
25	48.	10.045	32.925	5.87	25.325	96.6	0.14
36	50.	10.137	32.992	5.77	25.362	96.6	0.14
13	52.	10.467	33.099	5.57	25.389	96.6	0.14
17	54.	9.988	33.098	5.63	25.469	96.6	0.14
38	56.	9.811	33.201	5.61	25.579	96.6	0.14
22	58.	9.788	33.431	5.54	25.763	96.5	0.14
25	60.	9.823	33.647	5.50	25.926	96.4	0.15
25	62.	9.778	33.722	5.49	25.991	96.3	0.15
38	64.	9.706	33.754	5.50	26.028	96.3	0.15
35	66.	9.655	33.803	5.50	26.075	96.4	0.15
19	68.	9.626	33.852	5.48	26.118	96.5	0.14
21	70.	9.622	33.860	5.48	26.125	96.5	0.14
22	72.	9.617	33.873	5.46	26.137	96.6	0.14
37	74.	9.608	33.888	5.46	26.149	96.6	0.14
18	76.	9.614	33.907	5.43	26.164	96.8	0.13
27	78.	9.528	33.945	5.44	26.208	97.0	0.12
25	80.	9.520	33.961	5.42	26.221	97.0	0.12
14	82.	9.545	33.983	5.38	26.234	97.0	0.12
16	84.	9.560	33.996	5.38	26.242	97.0	0.12
39	86.	9.633	34.031	5.38	26.257	97.1	0.12
57	88.	9.838	34.112	5.34	26.286	97.2	0.11
21	90.	10.343	34.300	5.23	26.347	97.6	0.10
20	92.	10.533	34.364	5.16	26.364	97.6	0.10
22	94.	10.601	34.392	5.10	26.374	97.7	0.09
29	96.	10.768	34.446	5.06	26.386	97.8	0.09
63	98.	11.044	34.566	5.00	26.430	97.8	0.09
23	100.	11.072	34.605	4.96	26.455	97.8	0.09
16	102.	11.111	34.665	4.98	26.495	97.8	0.09
16	104.	11.577	34.870	4.90	26.568	97.9	0.09

STA 26 DAY: 22 TIME: 0615

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
41	106.	12.754	35.165	4.73	26.570	98.2	0.07
32	108.	12.901	35.209	4.76	26.575	98.3	0.07
29	110.	12.855	35.208	4.76	26.584	98.3	0.07
22	112.	12.716	35.212	4.76	26.615	98.5	0.06
29	114.	12.832	35.272	4.72	26.638	98.5	0.06
47	116.	12.959	35.325	4.70	26.654	98.5	0.06
56	118.	12.975	35.355	4.76	26.673	98.6	0.06
24	120.	12.965	35.367	4.77	26.685	98.7	0.05
15	122.	12.953	35.368	4.74	26.688	98.7	0.05
18	124.	12.904	35.359	4.73	26.691	98.7	0.05
37	126.	12.838	35.343	4.79	26.692	98.7	0.05
19	128.	12.643	35.304	4.86	26.701	98.6	0.06
17	130.	12.551	35.294	4.85	26.711	98.7	0.05
23	132.	12.525	35.290	4.82	26.713	98.7	0.05
58	134.	12.453	35.277	4.86	26.717	98.7	0.05
22	136.	12.388	35.267	4.93	26.722	98.7	0.05
19	138.	12.356	35.261	4.91	26.724	98.6	0.06
19	140.	12.305	35.255	4.87	26.729	98.6	0.05
30	142.	12.283	35.260	4.84	26.737	98.6	0.05
29	144.	12.291	35.268	4.79	26.741	98.7	0.05
36	146.	12.397	35.305	4.72	26.750	98.7	0.05
32	148.	12.465	35.336	4.69	26.760	98.6	0.05
17	150.	12.494	35.344	4.64	26.761	98.6	0.06
41	152.	12.450	35.348	4.62	26.772	98.6	0.06
25	154.	12.472	35.361	4.60	26.778	98.6	0.06
28	156.	12.453	35.366	4.55	26.786	98.6	0.06
38	158.	12.362	35.367	4.51	26.805	98.6	0.06
27	160.	12.253	35.372	4.47	26.830	98.6	0.06
48	162.	12.215	35.376	4.43	26.840	98.6	0.06
46	164.	12.130	35.378	4.41	26.858	98.6	0.06
41	166.	12.057	35.371	4.43	26.867	98.6	0.06
16	168.	12.039	35.369	4.39	26.869	98.6	0.06
19	170.	12.033	35.369	4.36	26.870	98.6	0.06
43	172.	12.017	35.367	4.37	26.871	98.6	0.06
16	174.	11.955	35.354	4.39	26.873	98.6	0.06
13	176.	11.916	35.340	4.36	26.870	98.5	0.06
12	178.	11.810	35.321	4.36	26.876	98.5	0.06
28	180.	11.716	35.316	4.38	26.889	98.5	0.06
16	182.	11.614	35.290	4.43	26.888	98.5	0.06
15	184.	11.525	35.278	4.42	26.895	98.5	0.06
25	186.	11.450	35.269	4.39	26.903	98.5	0.06
64	188.	11.389	35.253	4.40	26.901	98.5	0.06
33	190.	11.258	35.227	4.35	26.906	98.5	0.06
40	192.	11.102	35.208	4.32	26.919	98.5	0.06
17	194.	11.067	35.218	4.26	26.934	98.5	0.06
39	196.	11.171	35.261	4.23	26.948	98.5	0.06
53	198.	11.157	35.275	4.26	26.962	98.6	0.06
29	200.	11.158	35.285	4.24	26.969	98.5	0.06
31	202.	11.159	35.286	4.21	26.970	98.5	0.06
39	204.	11.159	35.287	4.19	26.970	98.5	0.06

STA 26 DAY: 22 TIME: 0615

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
54	206.	11.160	35.288	4.16	26.971	98.6	0.06
35	208.	11.164	35.298	4.14	26.978	98.6	0.06
26	210.	11.173	35.310	4.11	26.986	98.6	0.06
21	212.	10.999	35.282	4.10	26.996	98.6	0.06
32	214.	10.800	35.269	4.12	27.021	98.6	0.06
12	216.	10.713	35.244	4.11	27.018	98.5	0.06
13	218.	10.606	35.243	4.11	27.036	98.6	0.06
29	220.	10.564	35.240	4.11	27.041	98.7	0.05
23	222.	10.545	35.239	4.15	27.044	98.6	0.06
21	224.	10.518	35.235	4.14	27.045	98.6	0.06
24	226.	10.468	35.230	4.13	27.051	98.7	0.05
50	228.	10.446	35.229	4.13	27.053	98.7	0.05
16	230.	10.382	35.216	4.12	27.055	98.6	0.05
12	232.	10.345	35.209	4.10	27.056	98.6	0.06
20	234.	10.284	35.206	4.09	27.064	98.6	0.06
23	236.	10.213	35.203	4.10	27.074	98.6	0.06
12	238.	10.174	35.203	4.08	27.081	98.5	0.06
11	240.	10.178	35.205	4.07	27.082	98.6	0.05
32	242.	10.194	35.211	4.05	27.083	98.7	0.05
47	244.	10.198	35.218	4.00	27.088	98.7	0.05
23	246.	10.190	35.219	3.97	27.090	98.6	0.06
13	248.	10.161	35.221	3.96	27.097	98.6	0.06
15	250.	10.148	35.227	3.93	27.105	98.6	0.06
29	252.	10.127	35.237	3.94	27.116	98.6	0.06
20	254.	9.990	35.223	3.96	27.128	98.6	0.06
20	256.	9.900	35.218	3.96	27.140	98.5	0.06
40	258.	9.821	35.209	3.97	27.146	98.5	0.06
33	260.	9.719	35.197	4.01	27.154	98.5	0.06
23	262.	9.687	35.196	4.00	27.159	98.5	0.06
25	264.	9.672	35.196	3.98	27.161	98.5	0.06
36	266.	9.662	35.196	3.98	27.163	98.5	0.06
49	268.	9.657	35.196	4.01	27.163	98.5	0.06
23	270.	9.633	35.193	4.00	27.165	98.5	0.06
26	272.	9.601	35.191	4.00	27.169	98.5	0.06
53	274.	9.583	35.190	4.01	27.171	98.5	0.06
19	276.	9.578	35.189	4.02	27.171	98.5	0.06
26	278.	9.564	35.189	4.00	27.174	98.5	0.06
62	280.	9.531	35.185	4.01	27.177	98.5	0.06
25	282.	9.478	35.181	4.02	27.182	98.5	0.06
16	284.	9.427	35.174	4.01	27.185	98.5	0.06
37	286.	9.347	35.172	4.02	27.196	98.5	0.06
50	288.	9.306	35.171	4.04	27.203	98.5	0.06
28	290.	9.270	35.168	4.04	27.206	98.4	0.06
29	292.	9.218	35.163	4.04	27.211	98.5	0.06
48	294.	9.105	35.158	4.06	27.225	98.5	0.06
25	296.	9.039	35.152	4.05	27.231	98.4	0.06
38	298.	9.013	35.149	4.05	27.233	98.5	0.06
39	300.	8.937	35.145	4.07	27.242	98.5	0.06
42	302.	8.885	35.140	4.09	27.246	98.5	0.06
25	304.	8.858	35.138	4.10	27.250	98.5	0.06

STA 26 DAY: 22 TIME: 0615

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
23	306.	8.845	35.138	4.10	27.251	98.4	0.06
53	308.	8.781	35.128	4.15	27.254	98.4	0.06
26	310.	8.694	35.126	4.19	27.266	98.4	0.07
24	312.	8.642	35.118	4.19	27.268	98.4	0.07
26	314.	8.531	35.115	4.21	27.283	98.3	0.07
38	316.	8.449	35.100	4.27	27.284	98.4	0.07
24	318.	8.308	35.096	4.30	27.303	98.3	0.07
18	320.	8.272	35.092	4.29	27.305	98.3	0.07
20	322.	8.186	35.092	4.30	27.318	98.3	0.07
49	324.	8.147	35.089	4.33	27.322	98.3	0.07
19	326.	8.081	35.081	4.35	27.325	98.3	0.07
20	328.	7.994	35.074	4.36	27.333	98.3	0.07
39	330.	7.901	35.065	4.38	27.340	98.4	0.07
38	332.	7.861	35.063	4.39	27.345	98.3	0.07
57	334.	7.834	35.062	4.42	27.348	98.4	0.07
25	336.	7.791	35.060	4.43	27.352	98.4	0.07
26	338.	7.775	35.059	4.43	27.354	98.3	0.07
34	340.	7.731	35.057	4.43	27.359	98.4	0.07
32	342.	7.681	35.056	4.43	27.366	98.4	0.07
62	344.	7.657	35.057	4.47	27.370	98.4	0.06
17	346.	7.615	35.045	4.47	27.366	98.3	0.07
14	348.	7.522	35.043	4.48	27.379	98.3	0.07
16	350.	7.510	35.044	4.48	27.381	98.3	0.07
35	352.	7.508	35.046	4.50	27.383	98.4	0.07
18	354.	7.489	35.042	4.53	27.383	98.3	0.07
14	356.	7.396	35.036	4.55	27.391	98.3	0.07
22	358.	7.361	35.038	4.56	27.398	98.4	0.06
38	360.	7.359	35.039	4.55	27.399	98.4	0.07
38	362.	7.356	35.039	4.59	27.399	98.4	0.06
17	364.	7.347	35.037	4.61	27.399	98.4	0.07
16	366.	7.323	35.035	4.60	27.401	98.3	0.07
18	368.	7.280	35.035	4.60	27.407	98.4	0.07
24	370.	7.271	35.034	4.62	27.408	98.4	0.06
15	372.	7.250	35.032	4.63	27.409	98.4	0.07
35	374.	7.232	35.032	4.63	27.412	98.4	0.06
40	376.	7.219	35.028	4.63	27.410	98.5	0.06
27	378.	7.189	35.029	4.63	27.415	98.5	0.06
48	380.	7.184	35.028	4.65	27.415	98.5	0.06
39	382.	7.165	35.027	4.66	27.417	98.4	0.07
23	384.	7.155	35.026	4.66	27.418	98.3	0.07
23	386.	7.150	35.026	4.65	27.418	98.3	0.07
22	388.	7.143	35.025	4.65	27.419	98.4	0.07
37	390.	7.131	35.025	4.67	27.420	98.4	0.07
18	392.	7.140	35.026	4.68	27.420	98.3	0.07
16	394.	7.141	35.026	4.68	27.420	98.3	0.07
28	396.	7.123	35.026	4.69	27.422	98.3	0.07
58	398.	7.040	35.012	4.75	27.423	98.3	0.07
20	400.	6.917	35.012	4.79	27.440	98.3	0.07
18	402.	6.887	35.012	4.79	27.445	98.3	0.07
31	404.	6.875	35.011	4.79	27.445	98.3	0.07

STA 26 DAY: 22 TIME: 0615

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
53	406.	6.813	35.008	4.84	27.451	98.3	0.07
25	408.	6.781	35.006	4.86	27.454	98.3	0.07
22	410.	6.763	35.006	4.86	27.457	98.3	0.07
40	412.	6.737	35.007	4.87	27.461	98.2	0.07
52	414.	6.709	35.005	4.89	27.463	98.2	0.07
35	416.	6.678	35.004	4.90	27.467	98.2	0.07
34	418.	6.665	35.003	4.90	27.467	98.2	0.07
33	420.	6.638	35.001	4.90	27.470	98.2	0.07
27	422.	6.611	35.001	4.90	27.474	98.2	0.07
56	424.	6.580	35.000	4.94	27.477	98.2	0.07
15	426.	6.571	34.998	4.94	27.477	98.1	0.07
14	428.	6.559	34.997	4.95	27.478	98.2	0.07
28	430.	6.539	34.998	4.95	27.481	98.2	0.07
33	432.	6.517	34.997	4.96	27.483	98.2	0.07
36	434.	6.515	34.996	4.97	27.482	98.2	0.07
29	436.	6.504	34.995	4.96	27.483	98.2	0.07
24	438.	6.497	34.995	4.95	27.484	98.2	0.07
45	440.	6.483	34.995	4.95	27.486	98.2	0.07
37	442.	6.451	34.994	4.99	27.490	98.2	0.07
16	444.	6.436	34.991	5.00	27.489	98.2	0.07
14	446.	6.416	34.989	4.98	27.490	98.2	0.07
42	448.	6.366	34.990	5.01	27.497	98.2	0.07
25	450.	6.340	34.989	5.03	27.500	98.2	0.07
17	452.	6.337	34.988	5.03	27.500	98.2	0.07
19	454.	6.339	34.988	5.03	27.500	98.2	0.07
58	456.	6.333	34.988	5.05	27.500	98.2	0.07
45	458.	6.306	34.987	5.07	27.503	98.2	0.07
29	460.	6.286	34.986	5.07	27.504	98.2	0.07
24	462.	6.260	34.983	5.08	27.506	98.2	0.07
23	464.	6.248	34.982	5.07	27.507	98.2	0.07
61	466.	6.223	34.980	5.10	27.508	98.2	0.07
52	468.	6.177	34.979	5.14	27.513	98.2	0.07
18	470.	6.176	34.979	5.15	27.514	98.2	0.07
15	472.	6.171	34.976	5.15	27.512	98.2	0.07
20	474.	6.133	34.979	5.16	27.519	98.2	0.07
25	476.	6.107	34.976	5.17	27.520	98.2	0.07
11	478.	6.057	34.973	5.17	27.524	98.2	0.07
13	480.	6.044	34.972	5.17	27.525	98.2	0.07
44	482.	6.018	34.972	5.18	27.529	98.2	0.07
52	484.	6.013	34.972	5.19	27.529	98.2	0.07
19	486.	6.003	34.972	5.20	27.531	98.2	0.07
14	488.	6.000	34.972	5.20	27.530	98.1	0.08
20	490.	5.992	34.972	5.20	27.531	98.1	0.08
40	492.	5.975	34.969	5.23	27.532	98.2	0.07
22	494.	5.936	34.968	5.22	27.536	98.0	0.08
22	496.	5.923	34.968	5.22	27.537	98.1	0.08
24	498.	5.919	34.968	5.23	27.538	98.2	0.07
52	500.	5.910	34.968	5.27	27.539	98.2	0.07
20	520.	5.792	34.972	5.33	27.557	98.1	0.08
42	540.	5.560	34.963	5.45	27.579	98.0	0.08

STA 26 DAY: 22 TIME: 0615

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
28	560.	5.462	34.962	5.54	27.590	98.0	0.08
19	580.	5.311	34.959	5.62	27.606	97.9	0.08
43	600.	5.119	34.956	5.72	27.626	97.9	0.08
15	620.	5.071	34.954	5.72	27.631	97.7	0.09
52	640.	4.973	34.952	5.82	27.641	97.8	0.09
27	660.	4.888	34.951	5.87	27.649	97.8	0.09
29	680.	4.870	34.951	5.88	27.652	97.8	0.09
55	700.	4.830	34.950	5.93	27.655	97.8	0.09
20	720.	4.760	34.950	5.94	27.663	97.3	0.11
36	740.	4.734	34.949	5.97	27.666	97.6	0.10
25	760.	4.695	34.949	5.97	27.670	97.8	0.09

STA 27 DAY: 22 TIME: 0725

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
33	4.	18.342	34.456	5.19	24.772	95.3	0.19
37	6.	18.340	34.453	5.29	24.770	95.5	0.18
19	8.	18.347	34.453	5.38	24.768	95.7	0.17
31	10.	18.348	34.452	5.35	24.768	95.9	0.17
26	12.	18.348	34.453	5.36	24.768	95.9	0.17
17	14.	18.344	34.453	5.28	24.769	95.9	0.17
27	16.	18.347	34.453	5.38	24.768	95.9	0.17
30	18.	18.352	34.452	5.30	24.767	95.9	0.17
22	20.	18.355	34.452	5.33	24.766	95.9	0.17
30	22.	18.356	34.432	5.34	24.750	95.9	0.17
23	24.	18.352	34.450	5.32	24.765	95.9	0.17
19	26.	18.354	34.450	5.42	24.765	95.9	0.17
12	28.	18.356	34.450	5.39	24.764	95.9	0.17
10	30.	18.350	34.449	5.44	24.764	95.7	0.17
16	32.	18.342	34.448	5.48	24.766	95.7	0.18
7	34.	18.341	34.448	5.41	24.766	95.6	0.18
8	36.	18.343	34.448	5.47	24.766	95.7	0.18
20	38.	18.306	34.430	5.44	24.761	95.5	0.18
8	40.	16.506	34.196	5.67	25.014	96.2	0.16
13	42.	13.534	33.697	6.09	25.277	96.4	0.15
23	44.	12.794	33.560	5.75	25.319	96.6	0.14
21	46.	11.786	33.425	5.68	25.406	96.6	0.14
21	48.	10.842	33.340	5.73	25.512	96.7	0.14
34	50.	9.944	33.200	5.79	25.557	96.8	0.13
20	52.	10.048	33.325	5.60	25.637	96.8	0.13
14	54.	9.748	33.410	5.60	25.753	97.0	0.12
19	56.	9.392	33.436	5.61	25.832	97.0	0.12
14	58.	10.786	33.965	5.31	26.008	97.0	0.12
31	60.	12.719	34.614	5.08	26.150	97.1	0.12
9	62.	13.857	34.879	4.89	26.124	97.3	0.11
13	64.	14.169	35.002	4.86	26.154	97.4	0.10
37	66.	13.770	34.975	4.87	26.217	97.7	0.09
30	68.	12.558	34.758	4.91	26.293	98.0	0.08
13	70.	12.810	34.942	4.85	26.387	98.0	0.08
20	72.	13.062	35.047	4.79	26.417	98.2	0.07
20	74.	12.966	35.049	4.73	26.438	98.2	0.07
11	76.	13.155	35.131	4.64	26.464	98.2	0.07
15	78.	13.277	35.201	4.63	26.493	98.2	0.07
30	80.	13.289	35.209	4.61	26.497	98.2	0.07
19	82.	13.197	35.198	4.56	26.507	98.3	0.07
13	84.	13.185	35.199	4.56	26.510	98.3	0.07
20	86.	13.169	35.211	4.58	26.523	98.3	0.07
16	88.	13.054	35.213	4.61	26.547	98.3	0.07
32	90.	12.939	35.196	4.61	26.558	98.4	0.07
12	92.	12.852	35.193	4.54	26.573	98.4	0.07
20	94.	12.886	35.220	4.57	26.587	98.4	0.06
8	96.	12.883	35.273	4.63	26.628	98.5	0.06
9	98.	12.878	35.276	4.63	26.632	98.5	0.06
23	100.	12.865	35.280	4.62	26.637	98.5	0.06
11	102.	12.796	35.272	4.61	26.645	98.5	0.06

STA 27 DAY: 22 TIME: 0725

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
14	104.	12.701	35.262	4.62	26.656	98.5	0.06
35	106.	12.517	35.245	4.64	26.680	98.5	0.06
14	108.	12.467	35.257	4.59	26.699	98.3	0.07
20	110.	12.466	35.273	4.59	26.711	98.3	0.07
37	112.	12.556	35.316	4.59	26.727	98.4	0.07
20	114.	12.761	35.380	4.52	26.736	98.4	0.06
26	116.	12.739	35.374	4.51	26.736	98.4	0.07
15	118.	12.711	35.366	4.49	26.735	98.4	0.07
10	120.	12.537	35.339	4.50	26.749	98.4	0.06
30	122.	12.467	35.321	4.50	26.748	98.4	0.06
13	124.	12.440	35.318	4.47	26.752	98.5	0.06
10	126.	12.425	35.320	4.50	26.756	98.5	0.06
21	128.	12.424	35.325	4.53	26.760	98.5	0.06
8	130.	12.431	35.328	4.53	26.761	98.5	0.06
9	132.	12.470	35.341	4.53	26.763	98.5	0.06
19	134.	12.519	35.368	4.52	26.774	98.5	0.06
9	136.	12.517	35.368	4.47	26.775	98.5	0.06
19	138.	12.500	35.365	4.47	26.776	98.5	0.06
19	140.	12.477	35.362	4.44	26.778	98.5	0.06
13	142.	12.414	35.358	4.44	26.788	98.5	0.06
24	144.	12.408	35.367	4.44	26.796	98.5	0.06
28	146.	12.358	35.363	4.42	26.802	98.5	0.06
18	148.	12.324	35.360	4.39	26.807	98.5	0.06
37	150.	12.300	35.356	4.38	26.808	98.5	0.06
16	152.	12.201	35.341	4.31	26.816	98.5	0.06
19	154.	12.151	35.336	4.33	26.822	98.5	0.06
20	156.	12.185	35.352	4.35	26.827	98.5	0.06
10	158.	12.282	35.384	4.33	26.834	98.5	0.06
39	160.	12.376	35.415	4.29	26.839	98.5	0.06
19	162.	12.343	35.411	4.17	26.842	98.5	0.06
18	164.	12.181	35.386	4.15	26.854	98.5	0.06
19	166.	12.157	35.384	4.17	26.858	98.5	0.06
18	168.	12.007	35.353	4.18	26.863	98.5	0.06
7	170.	12.032	35.383	4.15	26.881	98.5	0.06
9	172.	11.903	35.367	4.17	26.893	98.5	0.06
19	174.	11.777	35.343	4.16	26.898	98.5	0.06
14	176.	11.526	35.290	4.16	26.905	98.5	0.06
25	178.	11.442	35.282	4.19	26.914	98.5	0.06
25	180.	11.311	35.264	4.20	26.925	98.5	0.06
15	182.	11.209	35.252	4.20	26.934	98.5	0.06
25	184.	11.099	35.238	4.22	26.943	98.5	0.06
28	186.	11.013	35.232	4.21	26.954	98.5	0.06
22	188.	10.951	35.224	4.18	26.960	98.5	0.06
28	190.	10.840	35.206	4.17	26.966	98.5	0.06
23	192.	10.767	35.201	4.16	26.975	98.5	0.06
15	194.	10.786	35.211	4.15	26.979	98.5	0.06
16	196.	10.826	35.230	4.14	26.987	98.5	0.06
19	198.	10.921	35.285	4.09	27.012	98.5	0.06
22	200.	10.848	35.271	4.04	27.015	98.5	0.06
23	202.	10.805	35.266	4.00	27.019	98.5	0.06

STA 27 DAY: 22 TIME: 0725

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
37	204.	10.780	35.263	3.96	27.021	98.5	0.06
18	206.	10.683	35.248	3.91	27.026	98.5	0.06
24	208.	10.488	35.230	3.93	27.047	98.5	0.06
34	210.	10.468	35.231	3.95	27.051	98.5	0.06
20	212.	10.446	35.231	3.92	27.055	98.5	0.06
23	214.	10.429	35.230	3.93	27.058	98.5	0.06
28	216.	10.398	35.230	3.94	27.063	98.5	0.06
19	218.	10.374	35.227	3.92	27.065	98.5	0.06
21	220.	10.355	35.225	3.92	27.067	98.5	0.06
32	222.	10.277	35.210	3.94	27.068	98.5	0.06
12	224.	10.141	35.198	3.92	27.083	98.5	0.06
11	226.	10.050	35.189	3.93	27.092	98.5	0.06
15	228.	9.866	35.164	3.97	27.103	98.5	0.06
11	230.	9.634	35.133	4.03	27.118	98.5	0.06
21	232.	9.548	35.117	4.04	27.120	98.5	0.06
22	234.	9.489	35.111	4.05	27.125	98.5	0.06
10	236.	9.420	35.106	4.05	27.133	98.5	0.06
19	238.	9.356	35.097	4.07	27.137	98.5	0.06
21	240.	9.279	35.088	4.09	27.142	98.5	0.06
8	242.	9.199	35.086	4.07	27.154	98.5	0.06
9	244.	9.195	35.088	4.05	27.156	98.5	0.06
19	246.	9.196	35.089	4.07	27.157	98.4	0.06
16	248.	9.192	35.090	4.08	27.158	98.5	0.06
13	250.	9.166	35.087	4.08	27.160	98.4	0.07
28	252.	9.150	35.087	4.08	27.162	98.5	0.06
14	254.	9.136	35.085	4.03	27.163	98.4	0.06
17	256.	9.043	35.071	4.05	27.167	98.4	0.07
20	258.	8.824	35.061	4.09	27.195	98.3	0.07
15	260.	8.773	35.063	4.08	27.205	98.3	0.07
20	262.	8.765	35.064	4.08	27.206	98.3	0.07
10	264.	8.752	35.064	4.08	27.208	98.3	0.07
15	266.	8.728	35.063	4.07	27.211	98.3	0.07
7	268.	8.700	35.062	4.09	27.215	98.3	0.07
15	270.	8.690	35.062	4.09	27.217	98.3	0.07
22	272.	8.687	35.062	4.10	27.217	98.3	0.07
19	274.	8.680	35.062	4.09	27.218	98.3	0.07
15	276.	8.678	35.062	4.08	27.218	98.3	0.07
33	278.	8.656	35.058	4.08	27.219	98.3	0.07
11	280.	8.589	35.058	4.06	27.229	98.3	0.07
14	282.	8.502	35.055	4.05	27.240	98.3	0.07
22	284.	8.479	35.052	4.07	27.242	98.3	0.07
9	286.	8.378	35.047	4.09	27.253	98.3	0.07
7	288.	8.333	35.043	4.07	27.257	98.3	0.07
11	290.	8.259	35.039	4.07	27.266	98.3	0.07
10	292.	8.236	35.039	4.11	27.269	98.3	0.07
7	294.	8.246	35.046	4.12	27.273	98.3	0.07
15	296.	8.208	35.045	4.12	27.278	98.3	0.07
7	298.	8.150	35.039	4.10	27.282	98.3	0.07
8	300.	8.167	35.050	4.07	27.288	98.3	0.07
18	302.	8.249	35.078	4.06	27.298	98.4	0.06

STA 27 DAY: 22 TIME: 0725

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
18	304.	8.171	35.063	4.04	27.298	98.4	0.06
13	306.	8.122	35.059	4.04	27.302	98.5	0.06
12	308.	8.098	35.056	4.04	27.303	98.4	0.07
14	310.	8.071	35.052	4.06	27.304	98.4	0.07
14	312.	8.035	35.049	4.09	27.307	98.3	0.07
30	314.	8.011	35.045	4.11	27.308	98.3	0.07
11	316.	8.014	35.048	4.11	27.310	98.3	0.07
19	318.	8.020	35.050	4.11	27.311	98.3	0.07
16	320.	8.024	35.054	4.12	27.313	98.3	0.07
22	322.	7.951	35.050	4.14	27.320	98.4	0.06
38	324.	7.868	35.038	4.13	27.324	98.3	0.07
18	326.	7.832	35.035	4.12	27.327	98.4	0.07
12	328.	7.806	35.033	4.10	27.329	98.3	0.07
18	330.	7.779	35.031	4.13	27.331	98.3	0.07
13	332.	7.768	35.035	4.19	27.336	98.3	0.07
24	334.	7.815	35.052	4.19	27.342	98.4	0.06
40	336.	7.838	35.055	4.17	27.342	98.5	0.06
12	338.	7.859	35.060	4.15	27.342	98.5	0.06
12	340.	7.886	35.067	4.12	27.344	98.5	0.06
41	342.	7.893	35.068	4.13	27.343	98.5	0.06
11	344.	7.901	35.069	4.11	27.343	98.5	0.06
11	346.	7.902	35.058	4.09	27.334	98.5	0.06
21	348.	7.926	35.077	4.10	27.346	98.5	0.06
20	350.	7.956	35.084	4.11	27.347	98.5	0.06
11	352.	7.961	35.085	4.11	27.347	98.5	0.06
18	354.	7.939	35.086	4.10	27.351	98.5	0.06
7	356.	7.892	35.089	4.12	27.361	98.5	0.06
20	358.	7.871	35.087	4.13	27.362	98.5	0.06
28	360.	7.833	35.083	4.15	27.364	98.5	0.06
24	362.	7.790	35.084	4.15	27.372	98.5	0.06
9	364.	7.746	35.080	4.15	27.375	98.5	0.06
16	366.	7.718	35.077	4.16	27.377	98.5	0.06
10	368.	7.695	35.076	4.23	27.379	98.5	0.06
11	370.	7.668	35.076	4.24	27.383	98.5	0.06
21	372.	7.626	35.073	4.25	27.387	98.5	0.06
10	374.	7.542	35.057	4.31	27.387	98.3	0.07
9	376.	7.477	35.053	4.32	27.393	98.3	0.07
23	378.	7.479	35.054	4.35	27.394	98.3	0.07
10	380.	7.429	35.052	4.40	27.399	98.3	0.07
17	382.	7.364	35.044	4.41	27.402	98.3	0.07
41	384.	7.276	35.037	4.48	27.410	98.2	0.07
15	386.	7.263	35.040	4.47	27.414	98.1	0.08
19	388.	7.264	35.042	4.49	27.415	98.1	0.08
23	390.	7.259	35.042	4.50	27.416	98.2	0.07
15	392.	7.203	35.038	4.51	27.420	98.2	0.07
33	394.	7.128	35.039	4.54	27.432	98.2	0.07
19	396.	7.098	35.046	4.55	27.442	98.2	0.07
28	398.	7.068	35.053	4.56	27.451	98.3	0.07
22	400.	7.061	35.060	4.54	27.458	98.4	0.07
12	402.	7.044	35.061	4.53	27.461	98.5	0.06

STA 27 DAY: 22 TIME: 0725

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
10	404.	7.039	35.062	4.52	27.462	98.5	0.06
16	406.	7.036	35.062	4.54	27.463	98.5	0.06
8	408.	7.001	35.064	4.58	27.469	98.5	0.06
9	410.	6.925	35.060	4.58	27.477	98.5	0.06
15	412.	6.897	35.057	4.62	27.478	98.5	0.06
20	414.	6.851	35.053	4.64	27.482	98.5	0.06
23	416.	6.824	35.051	4.66	27.483	98.5	0.06
29	418.	6.744	35.045	4.64	27.490	98.5	0.06
12	420.	6.716	35.045	4.66	27.493	98.5	0.06
15	422.	6.694	35.044	4.64	27.496	98.5	0.06
18	424.	6.675	35.042	4.69	27.497	98.5	0.06
10	426.	6.651	35.041	4.70	27.500	98.5	0.06
20	428.	6.637	35.039	4.72	27.500	98.5	0.06
28	430.	6.628	35.039	4.75	27.501	98.5	0.06
34	432.	6.601	35.037	4.76	27.503	98.5	0.06
20	434.	6.571	35.036	4.79	27.507	98.5	0.06
14	436.	6.538	35.040	4.77	27.514	98.5	0.06
20	438.	6.521	35.041	4.78	27.517	98.5	0.06
7	440.	6.490	35.041	4.81	27.521	98.5	0.06
19	442.	6.440	35.037	4.83	27.525	98.5	0.06
21	444.	6.430	35.037	4.86	27.526	98.5	0.06
29	446.	6.426	35.039	4.87	27.528	98.5	0.06
14	448.	6.392	35.037	4.88	27.531	98.5	0.06
25	450.	6.347	35.034	4.90	27.535	98.5	0.06
28	452.	6.337	35.034	4.92	27.536	98.5	0.06
20	454.	6.313	35.032	4.92	27.537	98.5	0.06
18	456.	6.293	35.029	4.93	27.538	98.5	0.06
17	458.	6.282	35.029	4.96	27.539	98.5	0.06
9	460.	6.215	35.021	4.96	27.542	98.5	0.06
17	462.	6.173	35.018	4.98	27.545	98.5	0.06
31	464.	6.121	35.015	5.02	27.549	98.5	0.06
16	466.	6.079	35.013	5.02	27.553	98.5	0.06
12	468.	6.015	35.008	5.04	27.557	98.5	0.06
33	470.	5.974	35.005	5.10	27.561	98.5	0.06
33	472.	5.961	35.004	5.12	27.561	98.5	0.06
17	474.	5.919	35.001	5.13	27.564	98.4	0.06
18	476.	5.901	35.000	5.13	27.566	98.3	0.07
23	478.	5.882	34.998	5.17	27.566	98.3	0.07
11	480.	5.867	34.996	5.19	27.567	98.3	0.07
8	482.	5.851	34.993	5.18	27.567	98.3	0.07
11	484.	5.827	34.992	5.18	27.568	98.3	0.07
15	486.	5.804	34.989	5.22	27.569	98.3	0.07
15	488.	5.782	34.988	5.23	27.571	98.3	0.07
28	490.	5.773	34.987	5.26	27.572	98.3	0.07
25	492.	5.769	34.988	5.25	27.572	98.3	0.07
22	494.	5.761	34.988	5.27	27.573	98.3	0.07
21	496.	5.747	34.989	5.27	27.576	98.3	0.07
27	498.	5.734	34.987	5.28	27.577	98.3	0.07
11	500.	5.725	34.988	5.27	27.578	98.3	0.07
22	520.	5.619	34.988	5.35	27.591	98.3	0.07

STA 27 DAY: 22 TIME: 0725

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
30	540.	5.437	34.977	5.46	27.605	98.2	0.07
13	560.	5.251	34.968	5.56	27.620	98.5	0.06
26	580.	5.044	34.948	5.66	27.629	98.2	0.07
12	600.	5.070	34.957	5.70	27.633	98.3	0.07
17	620.	4.977	34.951	5.78	27.639	98.3	0.07
25	640.	4.889	34.948	5.82	27.647	98.3	0.07
31	660.	4.827	34.948	5.88	27.655	98.3	0.07
14	680.	4.800	34.948	5.91	27.657	98.3	0.07
24	700.	4.725	34.948	5.93	27.666	98.3	0.07
15	720.	4.709	34.954	5.99	27.673	98.5	0.06
12	740.	4.667	34.952	6.02	27.676	98.5	0.06
19	760.	4.618	34.949	6.06	27.679	98.5	0.06
14	780.	4.539	34.946	6.10	27.686	98.5	0.06
29	800.	4.528	34.947	6.16	27.687	98.5	0.06
32	820.	4.501	34.946	6.16	27.690	98.5	0.06
16	840.	4.460	34.945	6.20	27.693	98.5	0.06
32	860.	4.435	34.946	6.20	27.697	98.5	0.06
21	880.	4.413	34.946	6.15	27.699	98.4	0.06
9	900.	4.378	34.946	6.19	27.703	98.3	0.07
20	920.	4.334	34.946	6.25	27.708	98.3	0.07
17	940.	4.323	34.946	6.19	27.709	98.3	0.07
13	960.	4.309	34.946	6.24	27.711	98.3	0.07
18	980.	4.268	34.946	6.26	27.714	98.3	0.07
10	1000.	4.253	34.945	6.33	27.715	98.4	0.07
17	1020.	4.226	34.944	6.30	27.718	98.5	0.06
14	1040.	4.195	34.944	6.29	27.721	98.5	0.06
18	1060.	4.187	34.944	6.33	27.722	98.4	0.06
10	1080.	4.188	34.944	6.33	27.722	98.3	0.07
11	1100.	4.173	34.944	6.34	27.724	98.3	0.07
19	1120.	4.151	34.945	6.39	27.726	98.3	0.07
23	1140.	4.139	34.945	6.38	27.728	98.3	0.07
33	1160.	4.134	34.945	6.38	27.728	98.3	0.07
24	1180.	4.107	34.945	6.38	27.731	98.3	0.07
10	1200.	4.093	34.945	6.44	27.733	98.3	0.07
13	1220.	4.094	34.945	6.39	27.733	98.3	0.07
22	1240.	4.084	34.945	6.41	27.734	98.4	0.07
26	1260.	4.068	34.945	6.41	27.736	98.5	0.06
23	1280.	4.031	34.946	6.42	27.740	98.5	0.06
16	1300.	4.031	34.946	6.40	27.740	98.5	0.06
24	1320.	4.029	34.946	6.41	27.741	98.5	0.06
15	1340.	4.013	34.946	6.44	27.742	98.5	0.06
13	1360.	4.006	34.947	6.42	27.743	98.5	0.06
24	1380.	3.991	34.948	6.47	27.746	98.5	0.06
23	1400.	3.992	34.948	6.47	27.746	98.5	0.06
27	1420.	3.980	34.947	6.44	27.746	98.5	0.06
25	1440.	3.968	34.948	6.44	27.749	98.5	0.06
35	1460.	3.971	34.949	6.43	27.748	98.5	0.06
25	1480.	3.970	34.949	6.39	27.749	98.5	0.06
12	1500.	3.965	34.949	6.41	27.749	98.5	0.06
13	1520.	3.953	34.949	6.43	27.751	98.5	0.06
23	1540.	3.919	34.951	6.43	27.756	98.5	0.06
5	1560.	3.901	34.951	6.44	27.757	98.5	0.06

STA 28 DAY: 22 TIME: 0932

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
11	0.	20.234	35.134	5.16	24.803	95.8	0.17
18	2.	20.234	35.134	5.11	24.803	96.0	0.16
25	4.	20.230	35.133	5.01	24.803	96.1	0.16
9	6.	20.234	35.133	5.08	24.803	96.0	0.16
23	8.	20.237	35.134	5.09	24.802	96.3	0.15
30	10.	20.234	35.133	5.05	24.802	96.3	0.15
30	12.	20.227	35.132	5.09	24.803	96.2	0.15
16	14.	20.232	35.132	5.05	24.802	96.3	0.15
22	16.	20.237	35.132	5.03	24.801	96.3	0.15
23	18.	20.236	35.131	5.02	24.801	96.3	0.15
24	20.	20.233	35.132	4.99	24.802	96.3	0.15
24	22.	20.241	35.135	4.97	24.802	96.3	0.15
25	24.	20.242	35.134	4.97	24.801	96.3	0.15
32	26.	20.238	35.132	4.94	24.801	96.3	0.15
22	28.	20.248	35.139	4.93	24.803	96.3	0.15
29	30.	20.247	35.137	4.96	24.802	96.3	0.15
19	32.	20.251	35.147	4.95	24.808	96.3	0.15
18	34.	20.266	35.159	4.98	24.814	96.3	0.15
9	36.	19.530	34.970	5.14	24.863	96.4	0.15
19	38.	13.447	33.886	6.06	25.440	95.5	0.18
8	40.	12.732	33.779	5.89	25.501	95.6	0.18
8	42.	12.433	33.754	5.91	25.539	95.8	0.17
12	44.	12.170	33.765	5.92	25.598	96.3	0.15
10	46.	12.028	33.759	5.90	25.620	96.5	0.14
15	48.	11.914	33.755	5.87	25.639	96.5	0.14
9	50.	12.025	33.842	5.79	25.685	96.6	0.14
21	52.	11.980	33.960	5.72	25.785	96.9	0.13
18	54.	11.358	33.902	5.74	25.856	97.1	0.12
19	56.	11.351	33.948	5.68	25.894	97.1	0.12
20	58.	11.121	33.917	5.66	25.911	97.1	0.12
16	60.	10.576	33.886	5.65	25.984	97.4	0.11
18	62.	10.042	33.935	5.75	26.114	97.6	0.10
16	64.	11.089	34.343	5.39	26.248	97.8	0.09
11	66.	11.715	34.525	5.17	26.274	97.9	0.09
23	68.	12.119	34.713	5.10	26.344	98.0	0.08
10	70.	12.348	34.775	4.91	26.348	98.0	0.08
10	72.	12.212	34.748	4.92	26.353	98.0	0.08
21	74.	12.004	34.698	4.94	26.355	98.0	0.08
14	76.	11.688	34.629	4.97	26.360	98.0	0.08
22	78.	11.293	34.553	5.03	26.375	98.0	0.08
23	80.	11.271	34.560	5.03	26.384	98.0	0.08
9	82.	11.339	34.586	5.04	26.391	98.2	0.07
15	84.	11.348	34.594	5.04	26.396	98.1	0.08
9	86.	11.173	34.588	5.07	26.424	98.2	0.07
25	88.	10.682	34.510	5.13	26.451	98.2	0.07
14	90.	10.371	34.508	5.16	26.504	98.2	0.07
11	92.	10.981	34.743	5.06	26.579	98.2	0.07
33	94.	11.315	34.847	5.00	26.599	98.2	0.07
9	96.	11.317	34.864	4.85	26.613	98.2	0.07
9	98.	12.249	35.139	4.70	26.650	98.2	0.07

STA 28 DAY: 22 TIME: 0932

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
16	100.	12.457	35.227	4.66	26.677	98.3	0.07
11	102.	12.485	35.230	4.56	26.675	98.3	0.07
18	104.	12.558	35.252	4.52	26.677	98.3	0.07
27	106.	12.575	35.259	4.50	26.679	98.3	0.07
21	108.	12.071	35.156	4.57	26.697	98.3	0.07
17	110.	11.866	35.118	4.58	26.707	98.3	0.07
21	112.	11.707	35.094	4.63	26.718	98.3	0.07
11	114.	11.801	35.121	4.65	26.722	98.3	0.07
8	116.	11.851	35.135	4.66	26.723	98.3	0.07
16	118.	11.865	35.141	4.65	26.725	98.3	0.07
9	120.	12.040	35.189	4.61	26.729	98.3	0.07
13	122.	12.007	35.193	4.63	26.738	98.3	0.07
36	124.	11.701	35.126	4.66	26.744	98.3	0.07
11	126.	11.626	35.132	4.62	26.763	98.3	0.07
9	128.	11.636	35.136	4.60	26.765	98.3	0.07
15	130.	11.626	35.136	4.62	26.766	98.3	0.07
9	132.	11.886	35.204	4.57	26.770	98.3	0.07
29	134.	11.991	35.246	4.54	26.783	98.3	0.07
23	136.	11.676	35.187	4.49	26.796	98.3	0.07
25	138.	12.038	35.302	4.42	26.817	98.3	0.07
16	140.	12.316	35.390	4.36	26.832	98.3	0.07
23	142.	12.437	35.431	4.26	26.840	98.3	0.07
10	144.	12.573	35.487	4.17	26.856	98.3	0.07
8	146.	12.589	35.500	4.16	26.863	98.4	0.07
13	148.	12.563	35.500	4.14	26.869	98.4	0.06
7	150.	12.447	35.489	4.10	26.883	98.5	0.06
13	152.	12.290	35.453	4.10	26.886	98.3	0.07
9	154.	11.980	35.396	4.05	26.901	98.3	0.07
21	156.	11.782	35.345	4.08	26.900	98.3	0.07
34	158.	11.637	35.311	4.12	26.900	98.3	0.07
15	160.	11.153	35.214	4.17	26.915	98.3	0.07
21	162.	11.036	35.200	4.24	26.925	98.3	0.07
12	164.	10.905	35.189	4.30	26.940	98.3	0.07
34	166.	10.815	35.170	4.33	26.942	98.3	0.07
29	168.	10.662	35.145	4.31	26.950	98.3	0.07
11	170.	10.504	35.138	4.31	26.973	98.3	0.07
19	172.	10.365	35.126	4.32	26.987	98.3	0.07
32	174.	10.348	35.124	4.31	26.989	98.3	0.07
16	176.	10.339	35.123	4.31	26.990	98.3	0.07
15	178.	10.316	35.121	4.24	26.992	98.3	0.07
19	180.	10.280	35.119	4.27	26.997	98.3	0.07
11	182.	10.336	35.146	4.24	27.008	98.3	0.07
22	184.	10.519	35.214	4.21	27.029	98.4	0.06
28	186.	10.534	35.220	4.10	27.031	98.5	0.06
14	188.	10.473	35.218	4.01	27.040	98.5	0.06
25	190.	10.434	35.218	4.03	27.047	98.5	0.06
34	192.	10.393	35.208	4.01	27.047	98.5	0.06
15	194.	10.268	35.192	3.97	27.056	98.5	0.06
37	196.	10.169	35.176	4.02	27.061	98.4	0.06
16	198.	10.035	35.159	4.01	27.070	98.3	0.07

STA 28 DAY: 22 TIME: 0932

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
16	200.	9.714	35.101	4.04	27.080	98.3	0.07
13	202.	9.440	35.054	4.16	27.089	98.3	0.07
15	204.	9.291	35.028	4.17	27.093	98.3	0.07
18	206.	9.285	35.036	4.22	27.101	98.3	0.07
11	208.	9.156	35.022	4.26	27.111	98.3	0.07
9	210.	9.175	35.030	4.25	27.114	98.3	0.07
17	212.	9.099	35.021	4.28	27.119	98.3	0.07
10	214.	9.069	35.028	4.25	27.129	98.3	0.07
40	216.	8.998	35.016	4.28	27.131	98.3	0.07
19	218.	9.045	35.039	4.24	27.142	98.3	0.07
12	220.	9.261	35.093	4.17	27.149	98.3	0.07
23	222.	9.286	35.104	4.14	27.153	98.3	0.07
12	224.	9.135	35.095	4.08	27.171	98.3	0.07
18	226.	9.119	35.098	4.06	27.176	98.3	0.07
43	228.	9.125	35.103	4.04	27.179	98.3	0.07
17	230.	9.124	35.107	4.01	27.182	98.3	0.07
26	232.	9.119	35.108	3.99	27.184	98.3	0.07
16	234.	9.108	35.107	4.00	27.185	98.3	0.07
26	236.	9.083	35.107	3.99	27.189	98.3	0.07
14	238.	9.079	35.111	3.99	27.192	98.3	0.07
7	240.	9.048	35.108	3.99	27.196	98.3	0.07
8	242.	9.020	35.107	3.98	27.199	98.3	0.07
15	244.	8.999	35.108	3.99	27.203	98.3	0.07
7	246.	8.990	35.110	3.99	27.207	98.3	0.07
8	248.	8.995	35.114	3.97	27.208	98.3	0.07
12	250.	8.989	35.114	3.98	27.210	98.3	0.07
7	252.	8.890	35.111	3.96	27.223	98.3	0.07
11	254.	8.874	35.099	3.97	27.216	98.3	0.07
6	256.	8.853	35.098	3.99	27.219	98.3	0.07
11	258.	8.790	35.100	3.99	27.230	98.3	0.07
28	260.	8.746	35.099	4.00	27.237	98.3	0.07
16	262.	8.741	35.102	4.01	27.240	98.3	0.07
18	264.	8.725	35.101	3.97	27.242	98.3	0.07
29	266.	8.680	35.097	3.98	27.246	98.3	0.07
17	268.	8.563	35.086	3.98	27.256	98.3	0.07
17	270.	8.477	35.077	4.00	27.261	98.3	0.07
24	272.	8.337	35.061	4.04	27.271	98.3	0.07
13	274.	8.257	35.052	4.08	27.276	98.3	0.07
13	276.	8.152	35.040	4.11	27.282	98.3	0.07
18	278.	8.099	35.034	4.14	27.286	98.3	0.07
12	280.	8.054	35.030	4.16	27.289	98.3	0.07
15	282.	7.985	35.022	4.18	27.294	98.3	0.07
28	284.	7.891	35.010	4.21	27.298	98.3	0.07
12	286.	7.843	35.011	4.22	27.306	98.3	0.07
11	288.	7.748	35.000	4.22	27.312	98.3	0.07
20	290.	7.643	34.981	4.24	27.313	98.3	0.07
8	292.	7.587	34.980	4.29	27.319	98.3	0.07
9	294.	7.590	34.983	4.30	27.322	98.3	0.07
15	296.	7.581	34.986	4.31	27.325	98.3	0.07
11	298.	7.542	34.984	4.35	27.330	98.3	0.07

STA 28 DAY: 22 TIME: 0932

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
40	300.	7.534	34.985	4.34	27.331	98.3	0.07
18	302.	7.516	34.984	4.34	27.333	98.3	0.07
14	304.	7.505	34.985	4.33	27.335	98.3	0.07
28	306.	7.499	34.985	4.35	27.337	98.3	0.07
13	308.	7.467	34.984	4.34	27.340	98.3	0.07
18	310.	7.437	34.988	4.34	27.348	98.3	0.07
40	312.	7.378	34.981	4.38	27.350	98.3	0.07
23	314.	7.355	34.980	4.37	27.353	98.3	0.07
12	316.	7.372	34.987	4.35	27.356	98.3	0.07
21	318.	7.284	34.970	4.38	27.355	98.3	0.07
12	320.	7.174	34.965	4.42	27.367	98.3	0.07
16	322.	7.236	34.986	4.40	27.375	98.3	0.07
36	324.	7.262	34.984	4.44	27.370	98.3	0.07
14	326.	7.263	34.992	4.40	27.375	98.3	0.07
9	328.	7.338	35.014	4.37	27.383	98.3	0.07
14	330.	7.280	35.009	4.37	27.386	98.3	0.07
12	332.	7.240	35.008	4.41	27.391	98.3	0.07
8	334.	7.163	35.005	4.42	27.400	98.3	0.07
18	336.	7.111	35.001	4.44	27.404	98.3	0.07
21	338.	7.071	34.997	4.49	27.407	98.3	0.07
10	340.	6.963	34.990	4.50	27.416	98.3	0.07
11	342.	6.949	34.988	4.49	27.417	98.3	0.07
21	344.	6.917	34.986	4.54	27.419	98.3	0.07
11	346.	6.857	34.984	4.56	27.427	98.3	0.07
10	348.	6.835	34.985	4.56	27.430	98.3	0.07
13	350.	6.824	34.985	4.57	27.431	98.3	0.07
12	352.	6.816	34.984	4.62	27.432	98.3	0.07
7	354.	6.799	34.984	4.61	27.435	98.3	0.07
11	356.	6.763	34.983	4.62	27.438	98.3	0.07
36	358.	6.724	34.977	4.65	27.439	98.3	0.07
11	360.	6.704	34.980	4.67	27.444	98.3	0.07
7	362.	6.682	34.979	4.67	27.446	98.3	0.07
10	364.	6.633	34.978	4.67	27.452	98.3	0.07
14	366.	6.604	34.975	4.68	27.453	98.3	0.07
12	368.	6.505	34.967	4.71	27.460	98.3	0.07
7	370.	6.481	34.968	4.73	27.465	98.3	0.07
8	372.	6.473	34.967	4.72	27.465	98.3	0.07
9	374.	6.458	34.969	4.74	27.468	98.4	0.07
8	376.	6.407	34.964	4.76	27.471	98.3	0.07
9	378.	6.408	34.964	4.78	27.471	98.4	0.06
8	380.	6.387	34.964	4.78	27.474	98.3	0.07
9	382.	6.305	34.951	4.79	27.475	98.3	0.07
14	384.	6.239	34.946	4.83	27.479	98.3	0.07
9	386.	6.168	34.938	4.87	27.482	98.3	0.07
8	388.	6.144	34.938	4.84	27.485	98.3	0.07
10	390.	6.109	34.933	4.89	27.486	98.3	0.07
6	392.	6.071	34.935	4.92	27.492	98.3	0.07
13	394.	6.056	34.933	4.92	27.493	98.3	0.07
10	396.	6.023	34.933	4.95	27.497	98.3	0.07
20	398.	6.003	34.933	4.95	27.499	98.3	0.07

STA 28 DAY: 22 TIME: 0932

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
30	400.	5.990	34.933	4.98	27.501	98.3	0.07
11	402.	5.978	34.933	5.00	27.503	98.1	0.08
12	404.	5.961	34.932	4.99	27.504	98.3	0.07
37	406.	5.944	34.932	5.01	27.506	98.3	0.07
11	408.	5.930	34.932	5.01	27.508	98.3	0.07
7	410.	5.919	34.934	4.99	27.511	98.3	0.07
8	412.	5.924	34.943	4.99	27.518	98.3	0.07
15	414.	5.961	34.954	4.99	27.521	98.3	0.07
8	416.	5.970	34.955	5.01	27.521	98.3	0.07
14	418.	5.966	34.955	5.00	27.522	98.3	0.07
9	420.	5.955	34.953	5.03	27.521	98.4	0.07
9	422.	5.929	34.949	5.01	27.522	98.3	0.07
25	424.	5.936	34.953	5.03	27.524	98.4	0.06
22	426.	5.935	34.953	5.05	27.524	98.5	0.06
18	428.	5.894	34.953	5.04	27.529	98.4	0.07
13	430.	5.875	34.954	5.05	27.533	98.5	0.06
10	432.	5.839	34.952	5.06	27.535	98.3	0.07
24	434.	5.832	34.950	5.08	27.535	98.5	0.06
11	436.	5.813	34.960	5.09	27.545	98.4	0.06
11	438.	5.835	34.964	5.09	27.545	98.5	0.06
10	440.	5.747	34.953	5.10	27.548	98.5	0.06
17	442.	5.920	34.993	5.10	27.558	98.5	0.06
14	444.	6.011	35.010	5.11	27.560	98.5	0.06
10	446.	6.036	35.014	5.09	27.560	98.5	0.06
11	448.	5.853	34.987	5.11	27.562	98.5	0.06
19	450.	5.681	34.958	5.15	27.560	98.5	0.06
17	452.	5.551	34.950	5.21	27.569	98.5	0.06
8	454.	5.471	34.941	5.24	27.573	98.4	0.07
8	456.	5.542	34.963	5.24	27.581	98.5	0.06
25	458.	5.665	34.994	5.24	27.590	98.5	0.06
24	460.	5.693	34.996	5.27	27.589	98.5	0.06
10	462.	5.707	34.998	5.26	27.588	98.5	0.06
9	464.	5.712	34.998	5.25	27.588	98.5	0.06
12	466.	5.713	35.001	5.26	27.590	98.5	0.06
20	468.	5.699	35.000	5.28	27.591	98.5	0.06
7	470.	5.639	34.993	5.31	27.593	98.5	0.06
17	472.	5.584	34.987	5.31	27.595	98.5	0.06
21	474.	5.569	34.986	5.33	27.596	98.5	0.06
20	476.	5.560	34.985	5.35	27.597	98.5	0.06
16	478.	5.557	34.985	5.35	27.597	98.5	0.06
23	480.	5.555	34.985	5.34	27.597	98.5	0.06
12	482.	5.557	34.986	5.34	27.598	98.5	0.06
18	484.	5.569	34.991	5.33	27.600	98.5	0.06
25	486.	5.580	34.993	5.35	27.600	98.5	0.06
16	488.	5.581	34.994	5.35	27.601	98.5	0.06
24	490.	5.592	34.999	5.33	27.603	98.5	0.06
14	492.	5.594	35.002	5.34	27.606	98.5	0.06
14	494.	5.535	34.993	5.34	27.606	98.5	0.06
16	496.	5.472	34.986	5.37	27.608	98.5	0.06
17	498.	5.453	34.987	5.39	27.611	98.5	0.06

STA 28 DAY: 22 TIME: 0932

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
7	500.	5.444	34.987	5.41	27.613	98.5	0.06
22	520.	5.294	34.979	5.54	27.624	98.5	0.06
6	540.	5.112	34.969	5.63	27.638	98.5	0.06
19	560.	5.004	34.961	5.75	27.644	98.3	0.07
14	580.	4.855	34.951	5.81	27.653	98.3	0.07
14	600.	4.787	34.949	5.93	27.659	98.3	0.07
17	620.	4.755	34.948	5.93	27.662	98.3	0.07
17	640.	4.701	34.953	5.98	27.672	98.4	0.07
10	660.	4.637	34.947	6.03	27.675	98.5	0.06
25	680.	4.609	34.948	6.05	27.679	98.5	0.06
13	700.	4.606	34.955	6.07	27.685	98.5	0.06
11	720.	4.575	34.953	6.15	27.687	98.5	0.06
27	740.	4.470	34.945	6.18	27.692	98.4	0.07
7	760.	4.442	34.944	6.23	27.694	98.5	0.06
10	780.	4.428	34.949	6.26	27.700	98.5	0.06
14	800.	4.403	34.950	6.24	27.703	98.5	0.06
17	820.	4.383	34.950	6.27	27.705	98.5	0.06
17	840.	4.342	34.948	6.29	27.708	98.5	0.06
22	860.	4.295	34.944	6.33	27.711	98.5	0.06
23	880.	4.274	34.943	6.33	27.712	98.5	0.06
20	900.	4.264	34.943	6.36	27.713	98.5	0.06
25	920.	4.250	34.944	6.35	27.715	98.6	0.06
18	940.	4.215	34.943	6.37	27.718	98.5	0.06
14	960.	4.205	34.944	6.39	27.720	98.5	0.06
8	980.	4.189	34.943	6.44	27.721	98.5	0.06
26	1000.	4.172	34.944	6.41	27.724	98.5	0.06
15	1020.	4.142	34.943	6.44	27.726	98.5	0.06
12	1040.	4.138	34.943	6.46	27.727	98.5	0.06
36	1060.	4.133	34.944	6.43	27.727	98.5	0.06
6	1080.	4.119	34.943	6.45	27.728	98.5	0.06
19	1100.	4.113	34.943	6.45	27.729	98.6	0.05
10	1120.	4.102	34.943	6.44	27.730	98.6	0.05
8	1140.	4.087	34.942	6.47	27.731	98.7	0.05
10	1160.	4.059	34.942	6.46	27.734	98.7	0.05
12	1180.	4.061	34.945	6.47	27.736	98.7	0.05
12	1200.	4.057	34.945	6.44	27.737	98.7	0.05
15	1220.	4.059	34.948	6.49	27.739	98.7	0.05
13	1240.	4.069	34.952	6.47	27.741	98.8	0.05
9	1260.	4.047	34.949	6.48	27.741	98.7	0.05
13	1280.	4.014	34.946	6.47	27.742	98.7	0.05
10	1300.	4.011	34.946	6.51	27.742	98.7	0.05
14	1320.	3.986	34.942	6.49	27.742	98.7	0.05
11	1340.	3.979	34.943	6.51	27.743	98.7	0.05
21	1360.	3.964	34.943	6.47	27.745	98.7	0.05
19	1380.	3.960	34.943	6.48	27.745	98.7	0.05
28	1400.	3.941	34.945	6.48	27.748	98.7	0.05
14	1420.	3.933	34.945	6.49	27.750	98.7	0.05
35	1440.	3.935	34.947	6.47	27.751	98.7	0.05
16	1460.	3.936	34.947	6.49	27.751	98.7	0.05
10	1480.	3.940	34.948	6.47	27.751	98.7	0.05

STA 28 DAY: 22 TIME: 0932

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
19	1500.	3.927	34.950	6.46	27.754	98.7	0.05
15	1520.	3.882	34.950	6.50	27.759	98.7	0.05
19	1540.	3.876	34.950	6.51	27.760	98.7	0.05
28	1560.	3.873	34.951	6.49	27.761	98.7	0.05
10	1580.	3.864	34.951	6.48	27.762	98.7	0.05
13	1600.	3.859	34.953	6.47	27.763	98.7	0.05
19	1620.	3.839	34.953	6.50	27.766	98.7	0.05
10	1640.	3.832	34.953	6.46	27.766	98.7	0.05
21	1660.	3.830	34.953	6.46	27.767	98.7	0.05
22	1680.	3.829	34.953	6.47	27.767	98.7	0.05
17	1700.	3.825	34.954	6.46	27.768	98.7	0.05
29	1720.	3.817	34.955	6.44	27.769	98.7	0.05
13	1740.	3.812	34.955	6.44	27.770	98.7	0.05
13	1760.	3.801	34.956	6.46	27.772	98.6	0.06
14	1780.	3.791	34.957	6.46	27.774	98.5	0.06
7	1800.	3.775	34.956	6.47	27.775	98.5	0.06
26	1820.	3.750	34.957	6.43	27.778	98.5	0.06
18	1840.	3.732	34.958	6.46	27.780	98.5	0.06
11	1860.	3.684	34.958	6.44	27.785	98.5	0.06
25	1880.	3.643	34.958	6.45	27.790	98.5	0.06
27	1900.	3.587	34.958	6.43	27.796	98.5	0.06
12	1920.	3.576	34.958	6.43	27.796	98.5	0.06

STA 29 DAY: 22 TIME: 1150

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
3.0	20.4	82.9	14.6	184.1	8.9	316.7	6.7	493.9	5.0
4.2	20.4	84.9	14.7	187.4	8.9	319.3	6.6	499.6	5.0
6.9	20.4	87.3	14.8	190.9	8.9	320.9	6.6	506.4	5.0
8.9	20.4	88.4	15.0	193.1	8.7	322.7	6.5	509.2	5.0
11.3	20.4	89.6	15.1	194.7	8.6	325.1	6.5	513.1	5.0
14.3	20.4	90.4	15.2	198.4	8.6	328.1	6.5	517.7	5.1
17.1	20.4	92.3	15.1	202.9	8.6	330.6	6.5	520.8	5.1
20.2	20.4	94.7	15.1	206.0	8.5	333.8	6.4	524.1	5.1
21.2	20.4	97.6	15.0	207.0	8.5	335.8	6.4	528.7	5.1
24.1	20.4	100.1	15.0	208.5	8.4	338.8	6.4	532.2	5.1
26.6	20.4	100.9	14.8	210.2	8.4	340.7	6.4	537.1	5.1
29.9	20.4	102.1	14.6	211.3	8.3	343.3	6.3	541.7	5.0
33.1	20.4	104.6	14.6	214.2	8.3	344.4	6.3	548.2	5.0
37.9	20.4	107.3	14.6	218.5	8.3	348.3	6.2	552.7	5.0
39.8	20.3	108.6	14.5	221.6	8.2	351.9	6.2	557.6	4.9
41.0	20.1	110.4	14.3	222.9	8.1	355.1	6.2	563.1	4.9
41.7	19.6	112.3	14.2	225.2	8.1	358.1	6.1	569.3	4.9
42.9	19.1	115.2	14.1	227.3	8.0	359.3	6.1	575.7	4.9
42.9	18.0	118.4	14.0	230.1	8.0	362.6	6.0	579.9	4.9
45.3	17.0	122.9	14.0	232.2	8.0	366.5	6.0	587.6	4.9
46.7	16.0	126.6	13.8	234.2	7.9	370.4	6.0	592.5	4.9
48.3	15.5	128.5	13.7	235.4	7.9	372.8	5.9	599.2	4.8
49.0	15.0	133.2	13.6	237.0	7.8	375.4	5.9	604.4	4.8
49.6	14.0	136.7	13.5	238.8	7.8	377.9	5.8	609.8	4.8
50.5	12.9	139.2	13.4	240.8	7.7	380.5	5.8	614.5	4.8
51.0	11.9	141.8	13.2	244.0	7.7	383.1	5.8	617.3	4.8
52.0	10.9	145.7	13.1	247.1	7.7	387.2	5.7	620.4	4.7
52.5	10.6	148.4	13.1	249.5	7.7	392.5	5.7	625.0	4.7
53.3	10.6	150.5	13.0	252.3	7.7	396.6	5.7	628.9	4.7
53.3	10.4	152.7	13.0	254.7	7.6	402.1	5.7	633.7	4.7
53.7	10.3	154.5	12.9	256.5	7.5	404.6	5.6	639.6	4.7
57.0	10.2	155.8	12.8	259.8	7.5	408.0	5.6	644.6	4.7
58.2	10.1	156.3	12.6	263.1	7.4	411.3	5.6	649.3	4.6
59.3	10.1	157.2	12.4	266.2	7.4	415.9	5.5	654.8	4.6
60.1	10.4	157.9	12.2	266.5	7.3	420.4	5.5	659.0	4.6
61.0	10.9	158.2	11.9	268.0	7.3	424.0	5.5	663.6	4.6
62.2	11.4	158.8	11.8	271.0	7.2	427.3	5.5	669.1	4.6
63.5	11.9	159.5	11.8	273.4	7.2	431.1	5.4	673.2	4.5
64.9	12.4	159.9	11.6	277.0	7.2	436.5	5.4	674.0	4.5
65.8	12.9	160.5	11.5	280.9	7.2	439.5	5.4	681.3	4.5
68.5	12.9	164.0	11.4	283.4	7.2	441.1	5.3	686.1	4.5
69.9	13.4	165.1	10.9	286.5	7.2	444.3	5.3	694.3	4.5
71.3	14.0	167.0	10.4	289.0	7.1	449.9	5.2	699.6	4.5
73.0	14.5	168.0	10.1	291.4	7.1	457.3	5.2	702.4	4.5
74.6	14.6	170.7	10.0	294.9	7.1	461.6	5.2	705.2	4.5
75.8	14.7	172.3	10.0	298.0	7.1	468.9	5.1	709.4	4.5
78.7	14.8	175.7	9.8	300.5	7.0	472.1	5.1	711.5	4.4
80.0	14.8	177.2	9.4	305.1	6.9	477.3	5.1	714.3	4.4
80.4	14.7	179.4	9.0	309.5	6.9	482.6	5.1	717.9	4.4
81.0	14.6	181.4	8.9	313.6	6.8	489.3	5.0	722.0	4.4

STA 29 DAY: 22 TIME: 1150

DEPTH (m)	TEMP (°C)
726.1	4.4
729.7	4.3
733.2	4.3
735.9	4.3
739.6	4.3
742.7	4.3
746.8	4.3
749.4	4.3

STA 30 DAY: 22 TIME: 1233

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
19	3.	20.064	35.340	5.24	25.005	95.5	0.18
49	4.	20.067	35.340	5.22	25.005	95.6	0.18
49	6.	20.068	35.341	5.21	25.005	95.6	0.18
64	8.	20.072	35.341	5.20	25.004	95.6	0.18
39	10.	20.074	35.341	5.17	25.004	95.6	0.18
82	12.	20.073	35.341	5.16	25.004	95.6	0.18
47	14.	20.072	35.341	5.12	25.004	95.6	0.18
66	16.	20.074	35.341	5.14	25.004	95.6	0.18
33	18.	20.076	35.340	5.13	25.003	95.7	0.18
67	20.	20.075	35.340	5.14	25.003	95.7	0.18
50	22.	20.075	35.341	5.08	25.003	95.6	0.18
42	24.	20.075	35.342	5.08	25.004	95.6	0.18
54	26.	20.076	35.342	5.09	25.004	95.6	0.18
31	28.	20.076	35.340	5.08	25.003	95.6	0.18
39	30.	20.077	35.342	5.11	25.003	95.6	0.18
52	32.	20.075	35.341	5.09	25.004	95.6	0.18
61	34.	20.074	35.342	5.06	25.004	95.6	0.18
46	36.	20.077	35.342	5.03	25.003	95.6	0.18
32	38.	20.079	35.342	5.00	25.003	95.6	0.18
86	40.	20.079	35.342	4.93	25.003	95.6	0.18
39	42.	20.057	35.336	4.78	25.004	95.6	0.18
20	44.	16.354	34.709	5.41	25.444	95.7	0.18
50	46.	10.656	33.418	6.16	25.604	96.5	0.14
16	48.	9.595	33.439	6.15	25.801	97.0	0.12
20	50.	9.490	33.564	6.13	25.915	97.3	0.11
31	52.	9.275	33.557	6.20	25.945	97.4	0.11
20	54.	9.196	33.652	6.18	26.032	97.6	0.10
34	56.	9.848	33.945	5.94	26.154	97.8	0.09
24	58.	12.682	34.858	5.21	26.347	97.5	0.10
54	60.	13.320	35.162	5.08	26.454	97.9	0.08
42	62.	13.923	35.341	4.48	26.467	97.9	0.08
26	64.	14.258	35.471	4.28	26.498	98.0	0.08
46	66.	14.805	35.710	4.10	26.563	98.1	0.08
47	68.	15.001	35.773	3.93	26.569	98.3	0.07
44	70.	14.949	35.767	3.88	26.575	98.3	0.07
60	72.	14.863	35.759	3.84	26.588	98.3	0.07
56	74.	14.777	35.752	3.83	26.602	98.3	0.07
40	76.	14.712	35.752	3.84	26.616	98.3	0.07
58	78.	14.616	35.749	3.86	26.635	98.3	0.07
33	80.	14.497	35.750	3.86	26.661	98.3	0.07
63	82.	14.400	35.752	3.87	26.684	98.3	0.07
64	84.	14.246	35.739	3.87	26.707	98.4	0.06
47	86.	14.099	35.713	3.84	26.718	98.4	0.06
54	88.	13.984	35.704	3.87	26.735	98.5	0.06
51	90.	13.888	35.705	3.92	26.756	98.5	0.06
46	92.	13.771	35.693	3.92	26.772	98.5	0.06
62	94.	13.695	35.686	3.91	26.782	98.5	0.06
28	96.	13.690	35.703	3.89	26.797	98.5	0.06
51	98.	13.699	35.732	3.81	26.817	98.5	0.06
29	100.	13.657	35.732	3.72	26.826	98.5	0.06

STA 30 DAY: 22 TIME: 1233

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
49	102.	13.654	35.733	3.67	26.827	98.5	0.06
57	104.	13.630	35.729	3.61	26.829	98.5	0.06
38	106.	13.585	35.724	3.62	26.835	98.5	0.06
31	108.	13.555	35.723	3.64	26.840	98.5	0.06
29	110.	13.535	35.721	3.66	26.843	98.4	0.07
16	112.	13.506	35.720	3.66	26.848	98.3	0.07
37	114.	13.446	35.713	3.67	26.855	98.5	0.06
22	116.	13.326	35.704	3.66	26.873	98.5	0.06
43	118.	13.233	35.691	3.63	26.882	98.5	0.06
24	120.	13.198	35.688	3.48	26.887	98.5	0.06
55	122.	13.178	35.690	3.47	26.892	98.5	0.06
46	124.	13.120	35.682	3.49	26.898	98.5	0.06
38	126.	13.024	35.668	3.50	26.906	98.5	0.06
34	128.	12.969	35.661	3.51	26.912	98.2	0.07
33	130.	12.914	35.654	3.50	26.918	98.5	0.06
27	132.	12.840	35.645	3.50	26.926	98.5	0.06
53	134.	12.762	35.633	3.50	26.932	98.5	0.06
57	136.	12.666	35.621	3.50	26.941	98.5	0.06
49	138.	12.617	35.614	3.49	26.946	98.2	0.07
49	140.	12.578	35.610	3.47	26.950	98.5	0.06
64	142.	12.511	35.599	3.46	26.956	98.5	0.06
50	144.	12.465	35.592	3.46	26.959	98.5	0.06
30	146.	12.432	35.587	3.44	26.961	98.5	0.06
59	148.	12.384	35.576	3.46	26.963	98.5	0.06
37	150.	12.339	35.569	3.46	26.966	98.5	0.06
66	152.	12.290	35.561	3.50	26.970	98.4	0.06
27	154.	12.181	35.548	3.49	26.980	98.4	0.06
22	156.	12.035	35.530	3.49	26.995	98.4	0.07
54	158.	11.988	35.520	3.51	26.996	98.5	0.06
19	160.	11.911	35.513	3.48	27.005	98.4	0.07
28	162.	11.840	35.499	3.49	27.008	98.5	0.06
53	164.	11.814	35.494	3.54	27.009	98.5	0.06
40	166.	11.753	35.484	3.54	27.013	98.5	0.06
66	168.	11.700	35.476	3.54	27.017	98.5	0.06
81	170.	11.670	35.472	3.53	27.020	98.5	0.06
36	172.	11.647	35.469	3.51	27.022	98.4	0.07
30	174.	11.605	35.464	3.50	27.025	98.5	0.06
38	176.	11.505	35.446	3.54	27.030	97.7	0.09
29	178.	11.450	35.442	3.55	27.038	98.1	0.08
39	180.	11.348	35.435	3.55	27.051	98.5	0.06
23	182.	11.304	35.435	3.50	27.059	98.4	0.06
38	184.	11.226	35.423	3.50	27.064	98.5	0.06
51	186.	11.200	35.420	3.45	27.066	98.5	0.06
50	188.	11.187	35.418	3.41	27.067	98.5	0.06
36	190.	11.177	35.416	3.39	27.068	98.5	0.06
95	192.	11.168	35.415	3.40	27.069	98.5	0.06
29	194.	11.156	35.414	3.34	27.070	98.5	0.06
31	196.	11.021	35.394	3.35	27.079	98.5	0.06
90	198.	10.971	35.386	3.39	27.082	98.5	0.06
20	200.	10.913	35.381	3.35	27.088	98.4	0.07

STA 30 DAY: 22 TIME: 1233

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
28	202.	10.893	35.378	3.36	27.090	98.4	0.07
37	204.	10.872	35.378	3.49	27.094	98.5	0.06
49	206.	10.797	35.369	3.52	27.101	98.5	0.06
24	208.	10.746	35.367	3.47	27.108	98.5	0.06
22	210.	10.689	35.360	3.47	27.113	98.5	0.06
50	212.	10.664	35.357	3.48	27.114	98.5	0.06
43	214.	10.612	35.348	3.50	27.117	98.5	0.06
65	216.	10.515	35.336	3.49	27.125	98.5	0.06
41	218.	10.507	35.337	3.46	27.127	98.5	0.06
35	220.	10.440	35.328	3.44	27.132	98.5	0.06
36	222.	10.371	35.318	3.49	27.136	98.5	0.06
40	224.	10.196	35.294	3.52	27.148	98.5	0.06
37	226.	10.092	35.285	3.53	27.159	98.5	0.06
34	228.	10.061	35.283	3.52	27.163	98.5	0.06
27	230.	10.019	35.277	3.54	27.165	98.5	0.06
27	232.	9.872	35.253	3.57	27.172	98.4	0.06
20	234.	9.784	35.238	3.60	27.176	98.4	0.07
32	236.	9.686	35.218	3.64	27.176	98.4	0.06
69	238.	9.442	35.158	3.70	27.170	98.4	0.07
42	240.	9.193	35.128	3.77	27.187	98.3	0.07
35	242.	8.989	35.098	3.81	27.197	98.3	0.07
51	244.	8.910	35.089	3.92	27.203	98.3	0.07
23	246.	8.803	35.071	3.94	27.206	98.3	0.07
44	248.	8.673	35.042	4.01	27.204	98.3	0.07
31	250.	8.452	35.008	4.09	27.211	98.3	0.07
40	252.	8.297	34.983	4.15	27.215	98.3	0.07
44	254.	8.242	34.981	4.22	27.223	98.3	0.07
56	256.	8.154	34.977	4.25	27.233	98.3	0.07
51	258.	8.124	34.983	4.25	27.242	98.3	0.07
61	260.	8.121	34.984	4.23	27.244	98.3	0.07
42	262.	8.058	34.982	4.21	27.252	98.3	0.07
23	264.	8.019	34.985	4.22	27.259	98.3	0.07
25	266.	7.970	34.985	4.22	27.267	98.3	0.07
31	268.	7.949	34.986	4.23	27.271	98.3	0.07
18	270.	7.903	34.993	4.23	27.284	98.3	0.07
32	272.	7.869	35.001	4.22	27.295	98.3	0.07
35	274.	7.792	34.990	4.22	27.297	98.3	0.07
57	276.	7.694	34.982	4.25	27.305	98.3	0.07
39	278.	7.659	34.982	4.25	27.311	98.3	0.07
29	280.	7.600	34.980	4.23	27.318	98.3	0.07
84	282.	7.542	34.976	4.28	27.323	98.3	0.07
42	284.	7.524	34.978	4.25	27.327	98.3	0.07
28	286.	7.491	34.977	4.25	27.331	98.3	0.07
49	288.	7.437	34.974	4.28	27.337	98.3	0.07
16	290.	7.371	34.975	4.34	27.347	98.3	0.07
16	292.	7.287	34.971	4.34	27.356	98.3	0.07
30	294.	7.258	34.966	4.35	27.356	98.3	0.07
15	296.	7.210	34.967	4.39	27.364	98.3	0.07
28	298.	7.186	34.965	4.37	27.366	98.3	0.07
23	300.	7.152	34.965	4.41	27.370	98.3	0.07

STA 30 DAY: 22 TIME: 1233

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
43	302.	7.134	34.964	4.41	27.372	98.3	0.07
35	304.	7.132	34.965	4.41	27.373	98.3	0.07
29	306.	7.113	34.963	4.40	27.374	98.3	0.07
79	308.	7.103	34.963	4.43	27.376	98.3	0.07
36	310.	7.093	34.963	4.42	27.377	98.3	0.07
42	312.	7.084	34.963	4.37	27.379	98.3	0.07
67	314.	7.067	34.962	4.43	27.380	98.3	0.07
33	316.	7.031	34.960	4.42	27.384	98.3	0.07
42	318.	6.991	34.958	4.44	27.387	98.3	0.07
52	320.	6.937	34.955	4.49	27.393	98.3	0.07
25	322.	6.864	34.952	4.49	27.400	98.3	0.07
54	324.	6.821	34.949	4.52	27.404	98.3	0.07
34	326.	6.775	34.948	4.54	27.409	98.3	0.07
57	328.	6.730	34.946	4.55	27.414	98.3	0.07
48	330.	6.692	34.944	4.58	27.417	98.3	0.07
30	332.	6.672	34.945	4.56	27.421	98.3	0.07
25	334.	6.658	34.945	4.56	27.423	98.3	0.07
46	336.	6.635	34.946	4.60	27.426	98.3	0.07
16	338.	6.616	34.947	4.60	27.430	98.3	0.07
19	340.	6.578	34.947	4.61	27.435	98.3	0.07
38	342.	6.544	34.945	4.64	27.438	98.3	0.07
27	344.	6.517	34.944	4.65	27.441	98.3	0.07
43	346.	6.511	34.944	4.67	27.441	98.3	0.07
43	348.	6.502	34.943	4.68	27.442	98.3	0.07
36	350.	6.473	34.942	4.69	27.445	98.3	0.07
22	352.	6.413	34.939	4.68	27.451	98.3	0.07
29	354.	6.361	34.937	4.68	27.456	98.3	0.07
22	356.	6.327	34.937	4.72	27.461	98.3	0.07
18	358.	6.284	34.936	4.74	27.466	98.3	0.07
40	360.	6.271	34.936	4.75	27.467	98.3	0.07
61	362.	6.260	34.935	4.80	27.468	98.3	0.07
22	364.	6.227	34.934	4.76	27.471	98.3	0.07
25	366.	6.193	34.933	4.75	27.475	98.3	0.07
82	368.	6.185	34.933	4.81	27.476	98.3	0.07
30	370.	6.168	34.932	4.80	27.478	98.3	0.07
27	372.	6.148	34.932	4.77	27.480	98.3	0.07
40	374.	6.114	34.930	4.80	27.483	98.3	0.07
45	376.	6.069	34.929	4.85	27.488	98.3	0.07
20	378.	6.032	34.930	4.84	27.494	98.3	0.07
41	380.	6.012	34.930	4.87	27.496	98.3	0.07
33	382.	5.992	34.930	4.91	27.499	98.3	0.07
53	384.	5.984	34.930	4.93	27.500	98.3	0.07
57	386.	5.961	34.930	4.93	27.502	98.3	0.07
29	388.	5.939	34.930	4.96	27.505	98.3	0.07
28	390.	5.927	34.929	4.94	27.507	98.3	0.07
48	392.	5.914	34.929	4.96	27.508	98.3	0.07
22	394.	5.888	34.929	4.97	27.511	98.3	0.07
21	396.	5.866	34.929	4.96	27.514	98.3	0.07
45	398.	5.857	34.929	4.98	27.515	98.3	0.07
20	400.	5.835	34.928	5.00	27.517	98.3	0.07

STA 30 DAY: 22 TIME: 1233

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
21	402.	5.789	34.928	5.01	27.523	98.3	0.07
46	404.	5.773	34.928	5.02	27.525	98.3	0.07
76	406.	5.766	34.928	5.05	27.526	98.3	0.07
21	408.	5.760	34.928	4.99	27.526	98.3	0.07
18	410.	5.748	34.928	4.98	27.528	98.3	0.07
49	412.	5.720	34.928	5.02	27.531	98.3	0.07
31	414.	5.701	34.928	5.07	27.534	98.3	0.07
30	416.	5.660	34.928	5.06	27.539	98.3	0.07
30	418.	5.648	34.929	5.07	27.541	98.3	0.07
29	420.	5.639	34.929	5.11	27.542	98.3	0.07
37	422.	5.626	34.929	5.15	27.544	98.3	0.07
19	424.	5.580	34.929	5.16	27.550	98.3	0.07
52	426.	5.531	34.929	5.17	27.556	98.3	0.07
68	428.	5.520	34.930	5.21	27.557	98.3	0.07
21	430.	5.512	34.930	5.16	27.559	98.3	0.07
23	432.	5.501	34.930	5.13	27.560	98.3	0.07
35	434.	5.492	34.930	5.18	27.561	98.3	0.07
23	436.	5.484	34.930	5.23	27.562	98.3	0.07
21	438.	5.478	34.930	5.23	27.563	98.3	0.07
29	440.	5.468	34.930	5.25	27.564	98.3	0.07
18	442.	5.450	34.930	5.26	27.567	98.3	0.07
33	444.	5.441	34.930	5.26	27.568	98.3	0.07
49	446.	5.428	34.930	5.28	27.569	98.3	0.07
26	448.	5.405	34.930	5.27	27.572	98.3	0.07
16	450.	5.386	34.931	5.24	27.575	98.3	0.07
33	452.	5.377	34.931	5.26	27.576	98.3	0.07
56	454.	5.368	34.931	5.30	27.577	98.3	0.07
25	456.	5.342	34.932	5.31	27.581	98.3	0.07
19	458.	5.319	34.933	5.30	27.585	98.3	0.07
39	460.	5.298	34.933	5.31	27.587	98.4	0.07
74	462.	5.286	34.934	5.36	27.589	98.4	0.07
24	464.	5.277	34.935	5.33	27.591	98.3	0.07
18	466.	5.277	34.935	5.33	27.591	98.3	0.07
33	468.	5.268	34.935	5.35	27.593	98.4	0.07
24	470.	5.262	34.935	5.41	27.593	98.3	0.07
20	472.	5.249	34.936	5.40	27.595	98.4	0.07
41	474.	5.246	34.936	5.41	27.596	98.4	0.07
54	476.	5.238	34.936	5.44	27.597	98.4	0.06
48	478.	5.223	34.937	5.39	27.599	98.5	0.06
26	480.	5.218	34.937	5.43	27.600	98.4	0.06
25	482.	5.211	34.938	5.41	27.602	98.5	0.06
49	484.	5.205	34.939	5.44	27.603	98.5	0.06
23	486.	5.196	34.939	5.43	27.604	98.5	0.06
27	488.	5.195	34.940	5.41	27.605	98.5	0.06
38	490.	5.190	34.939	5.45	27.605	98.5	0.06
29	492.	5.177	34.940	5.48	27.607	98.5	0.06
54	494.	5.165	34.942	5.50	27.610	98.5	0.06
35	496.	5.149	34.949	5.50	27.617	98.5	0.06
37	498.	5.143	34.950	5.51	27.619	98.5	0.06
33	500.	5.138	34.951	5.54	27.620	98.5	0.06

STA 30 DAY: 22 TIME: 1233

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
31	520.	5.049	34.953	5.62	27.632	98.5	0.06
32	540.	5.002	34.963	5.73	27.646	98.5	0.06
18	560.	4.942	34.964	5.70	27.654	98.5	0.06
24	580.	4.903	34.966	5.80	27.659	98.5	0.06
37	600.	4.866	34.967	5.79	27.665	98.5	0.06
31	620.	4.816	34.969	5.89	27.672	98.5	0.06
25	640.	4.783	34.973	5.88	27.679	98.5	0.06
82	660.	4.780	34.975	5.94	27.681	98.6	0.06
14	680.	4.769	34.981	5.90	27.687	98.2	0.07
44	700.	4.684	34.976	5.97	27.693	98.6	0.05
19	720.	4.621	34.974	6.02	27.698	98.7	0.05
53	740.	4.548	34.965	6.12	27.699	98.7	0.05
31	760.	4.535	34.972	6.13	27.706	98.7	0.05
19	780.	4.517	34.973	6.13	27.709	98.7	0.05
23	800.	4.480	34.972	6.18	27.713	98.7	0.05
45	820.	4.470	34.972	6.15	27.714	98.7	0.05
26	840.	4.450	34.974	6.18	27.717	98.7	0.05
19	860.	4.429	34.973	6.17	27.719	98.7	0.05
24	880.	4.395	34.973	6.19	27.723	98.7	0.05
90	900.	4.345	34.968	6.24	27.724	98.7	0.05
15	920.	4.323	34.966	6.28	27.725	98.7	0.05
30	940.	4.197	34.951	6.30	27.727	98.7	0.05
16	960.	4.208	34.955	6.34	27.728	98.7	0.05
74	980.	4.191	34.954	6.30	27.730	98.7	0.05

STA 31 DAY: 22 TIME: 1416

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	20.1	45.7	14.1	82.2	13.4	139.3	10.3	246.8	7.2
3.0	20.1	46.1	13.9	83.4	13.5	139.3	10.0	249.7	7.2
7.3	20.1	46.6	13.8	84.3	13.7	139.9	9.9	252.4	7.1
11.8	20.1	47.2	13.6	84.9	13.8	141.4	9.8	257.2	7.0
17.6	20.1	47.6	13.2	86.1	14.0	141.7	9.6	261.6	6.9
21.8	20.1	47.5	13.0	86.9	14.1	141.8	9.4	268.0	6.9
27.5	20.1	47.6	12.7	88.5	14.1	142.0	9.2	273.8	6.9
31.6	20.1	47.6	12.4	89.5	14.1	142.2	9.0	279.1	6.9
34.4	20.1	47.8	12.1	91.0	14.1	142.8	8.9	281.6	6.8
36.9	20.1	48.2	11.9	92.4	14.1	143.7	8.8	286.1	6.8
37.9	20.1	48.6	11.7	93.5	14.2	144.8	8.7	290.2	6.7
38.5	20.1	48.4	11.5	94.9	14.3	145.8	8.7	294.0	6.6
39.2	19.8	48.8	11.2	95.8	14.4	146.9	8.7	296.8	6.6
39.8	19.6	49.1	11.0	97.5	14.4	149.0	8.7	300.6	6.4
40.1	19.3	49.2	10.9	100.2	14.3	151.6	8.7	301.5	6.4
39.9	19.0	49.8	10.7	101.9	14.3	152.8	8.7	305.6	6.3
39.9	18.8	50.3	10.6	105.5	14.3	154.5	8.6	310.8	6.3
39.9	18.6	50.9	10.5	110.1	14.3	156.6	8.6	320.3	6.3
40.2	18.4	51.8	10.4	111.6	14.3	158.1	8.7	324.1	6.2
40.5	18.2	52.7	10.2	112.9	14.2	160.6	8.7	332.2	6.0
40.5	18.0	52.9	10.0	115.0	14.3	162.8	8.7	335.6	5.9
40.9	17.9	54.1	9.7	116.4	14.2	165.6	8.7	341.0	5.9
41.1	17.7	54.8	9.5	117.5	14.1	169.6	8.7	345.8	5.9
40.8	17.6	56.0	9.4	118.6	14.0	171.6	8.7	352.2	5.9
41.3	17.5	57.3	9.3	119.6	14.0	172.4	8.6	356.8	5.8
41.3	17.4	57.6	9.3	120.6	13.9	174.9	8.6	361.0	5.8
41.8	17.2	58.7	9.5	121.3	13.7	177.2	8.6	366.3	5.7
41.9	17.0	58.9	9.8	121.9	13.6	179.1	8.6	373.8	5.6
41.9	16.8	59.2	10.0	123.2	13.5	182.4	8.5	379.4	5.6
41.9	16.6	59.7	10.3	125.3	13.5	184.0	8.5	386.3	5.5
42.0	16.5	60.4	10.6	125.7	13.4	185.9	8.4	394.8	5.5
42.1	16.4	62.7	10.7	126.3	13.1	187.2	8.4	400.9	5.4
42.3	16.2	63.7	10.9	126.8	12.9	188.8	8.4	407.2	5.4
42.4	16.1	64.1	11.1	127.3	12.6	189.7	8.3	412.9	5.4
42.4	15.8	64.4	11.3	127.7	12.3	194.5	8.2	419.7	5.4
42.7	15.7	64.9	11.6	127.8	12.2	197.2	8.1	428.3	5.3
42.6	15.5	65.1	11.7	128.4	12.1	201.8	8.0	432.7	5.3
42.5	15.3	66.1	11.9	129.6	12.2	204.9	7.9	437.3	5.3
42.9	15.2	66.7	12.1	130.8	12.2	207.2	7.9	439.7	5.2
43.0	15.1	66.8	12.4	132.9	12.2	210.1	7.8	441.7	5.2
42.9	14.9	67.2	12.6	133.9	12.2	216.0	7.8	443.4	5.2
43.0	14.6	67.4	12.8	134.3	12.1	219.7	7.8	446.4	5.2
43.5	14.5	68.2	12.9	134.6	11.9	221.7	7.8	449.1	5.1
43.5	14.2	69.0	13.1	135.1	11.6	222.4	7.8	450.1	5.1
43.9	14.0	70.4	13.1	135.6	11.4	224.4	7.7	452.2	5.1
44.1	13.9	71.8	13.2	135.6	11.2	227.4	7.6	455.4	5.1
44.7	13.7	73.7	13.3	136.0	11.0	229.7	7.5	458.8	5.1
44.8	13.8	76.5	13.3	136.2	10.8	232.5	7.4	462.4	5.1
45.2	13.9	78.7	13.3	137.1	10.6	236.2	7.2	465.6	5.0
45.5	14.1	80.2	13.3	138.9	10.4	242.3	7.2	467.5	4.9

STA 31 DAY: 22 TIME: 1416

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
470.7	4.9	666.9	4.6
475.8	4.9	671.6	4.6
481.0	4.9	676.0	4.6
485.8	4.9	679.8	4.6
490.6	4.9	684.3	4.6
494.8	4.9	687.6	4.6
498.0	4.9	693.9	4.6
501.2	4.9	698.4	4.6
509.0	4.9	702.6	4.6
509.7	4.8	707.3	4.6
513.0	4.8	711.4	4.6
516.8	4.8	715.7	4.6
519.7	4.8	719.0	4.6
522.2	4.8	722.1	4.6
525.8	4.8	726.4	4.6
530.4	4.8	729.5	4.6
536.0	4.8	732.6	4.5
542.4	4.8	734.9	4.5
548.9	4.7	737.2	4.5
556.0	4.7	739.1	4.5
559.0	4.8	740.6	4.5
561.7	4.8		
565.1	4.8		
568.4	4.8		
570.4	4.8		
572.9	4.8		
575.8	4.8		
578.3	4.8		
583.8	4.8		
586.6	4.8		
591.2	4.8		
595.1	4.8		
597.8	4.8		
600.3	4.8		
604.4	4.8		
608.0	4.8		
610.4	4.8		
614.3	4.8		
617.3	4.8		
619.6	4.8		
622.8	4.8		
625.6	4.7		
630.4	4.7		
636.7	4.7		
641.6	4.7		
646.0	4.7		
650.9	4.7		
654.4	4.6		
659.5	4.7		
662.1	4.6		

STA 32 DAY: 22 TIME: 1447

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
400.0	5.8	499.9	5.1	613.6	4.7	744.6	4.5
401.7	5.7	501.8	5.1	616.5	4.7	747.3	4.5
403.4	5.7	503.7	5.0	619.7	4.7	749.2	4.5
406.4	5.7	506.7	5.0	621.7	4.7	750.8	4.5
408.1	5.7	508.9	5.0	624.1	4.7		
409.5	5.6	513.4	5.0	626.1	4.7		
411.3	5.6	514.4	5.0	627.4	4.7		
413.0	5.6	515.9	5.0	629.9	4.7		
415.3	5.5	517.2	5.0	632.0	4.7		
417.8	5.5	518.8	5.0	635.6	4.6		
420.1	5.5	521.2	5.0	637.5	4.6		
422.8	5.5	522.8	5.0	638.7	4.6		
425.3	5.5	525.2	5.0	640.7	4.6		
426.4	5.4	527.9	5.0	644.5	4.6		
428.4	5.4	529.9	4.9	648.4	4.6		
431.5	5.4	531.3	4.9	651.5	4.6		
433.8	5.4	533.9	4.9	654.2	4.6		
436.4	5.4	536.0	4.9	656.8	4.6		
439.4	5.4	538.4	4.9	658.2	4.6		
440.6	5.4	541.9	4.9	661.4	4.6		
442.2	5.3	544.6	4.9	664.3	4.6		
444.6	5.3	546.1	4.9	667.0	4.6		
447.1	5.3	548.0	4.9	669.5	4.6		
449.8	5.3	550.2	4.9	671.9	4.6		
449.8	5.3	552.5	4.9	673.9	4.6		
451.7	5.3	554.3	4.9	675.9	4.6		
453.0	5.3	556.4	4.8	679.0	4.6		
455.1	5.3	558.9	4.8	681.0	4.6		
457.6	5.3	560.9	4.8	683.9	4.6		
459.0	5.3	562.4	4.8	686.8	4.6		
459.9	5.3	564.9	4.8	689.2	4.5		
461.4	5.3	567.3	4.8	691.0	4.6		
463.7	5.3	570.3	4.8	693.4	4.5		
465.2	5.3	571.6	4.8	695.6	4.5		
467.7	5.2	574.0	4.7	697.7	4.5		
469.7	5.2	576.3	4.7	699.1	4.5		
471.6	5.2	578.4	4.8	702.0	4.5		
473.6	5.2	581.1	4.7	707.1	4.5		
476.3	5.2	583.4	4.7	709.5	4.5		
478.0	5.2	586.5	4.7	713.9	4.5		
479.7	5.2	589.4	4.7	717.7	4.5		
481.5	5.2	592.1	4.7	720.4	4.5		
483.5	5.2	594.3	4.7	723.1	4.5		
485.7	5.2	596.7	4.7	726.4	4.5		
487.6	5.2	598.5	4.7	728.3	4.5		
489.0	5.2	601.3	4.7	730.7	4.5		
491.7	5.1	604.6	4.7	732.7	4.5		
494.7	5.1	607.0	4.7	736.6	4.5		
496.4	5.1	609.6	4.7	739.2	4.5		
498.5	5.1	611.6	4.7	742.1	4.5		

STA 32 DAY: 22 TIME: 1447

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.4	20.1	67.8	14.9	128.6	12.6	205.3	9.0	289.0	7.0
3.0	20.6	69.6	14.9	129.2	12.6	206.5	9.0	291.9	7.0
4.0	20.6	71.1	14.6	130.0	12.5	208.9	9.0	295.6	7.0
5.6	20.6	72.3	14.3	130.7	12.5	210.8	9.0	298.4	6.9
6.0	20.8	73.6	14.3	131.9	12.4	212.9	8.9	300.8	6.9
7.9	20.7	75.3	14.4	135.0	12.4	215.2	8.8	303.0	6.9
9.0	20.5	77.1	14.4	137.0	12.3	217.5	8.8	306.1	6.9
10.6	20.4	78.5	14.2	138.7	12.2	218.1	8.7	308.0	6.9
12.9	20.4	80.0	14.0	140.2	12.1	219.4	8.6	309.1	6.8
16.0	20.3	81.3	14.0	141.0	12.0	220.9	8.5	310.2	6.8
18.0	20.3	82.7	14.0	143.0	11.8	222.3	8.5	313.0	6.7
19.6	20.3	83.4	13.9	143.7	11.6	224.1	8.4	315.8	6.7
21.1	20.3	85.0	13.9	145.3	11.4	225.8	8.3	318.6	6.7
23.5	20.3	86.2	13.7	147.3	11.4	227.4	8.3	321.9	6.7
25.8	20.3	87.7	13.3	148.7	11.3	228.8	8.2	324.7	6.7
28.4	20.3	89.8	13.1	149.0	11.2	230.8	8.1	327.0	6.6
31.0	20.3	90.9	13.0	150.9	11.1	232.1	8.0	329.2	6.6
32.5	20.3	91.7	12.9	153.3	11.0	234.3	8.0	331.8	6.6
34.2	20.3	92.7	13.0	154.3	10.9	236.2	8.0	335.1	6.5
35.5	20.3	93.1	13.0	155.3	10.8	237.0	8.0	337.4	6.5
36.3	20.1	93.9	13.1	156.2	10.8	238.8	7.9	341.1	6.5
36.7	20.0	94.2	13.1	158.2	10.8	240.6	7.9	343.0	6.4
37.8	19.5	95.6	13.1	159.7	10.6	242.7	7.8	344.6	6.4
40.7	19.1	97.2	13.1	161.2	10.3	244.6	7.8	346.6	6.4
41.9	18.8	99.2	13.1	163.0	10.1	246.0	7.8	348.3	6.4
42.5	18.4	100.0	13.0	164.5	9.9	247.0	7.8	350.5	6.3
43.7	17.8	100.7	12.9	165.4	9.7	247.9	7.8	352.4	6.3
45.1	16.9	101.2	12.9	166.9	9.6	249.1	7.7	353.7	6.3
46.1	16.3	102.6	12.8	169.0	9.5	250.1	7.6	355.0	6.3
47.5	16.1	104.2	12.8	170.4	9.4	252.0	7.6	357.0	6.3
48.3	15.9	105.9	12.8	171.3	9.3	254.5	7.6	359.2	6.3
50.1	15.6	107.0	12.7	173.6	9.2	255.9	7.6	362.1	6.2
51.3	15.4	107.9	12.6	174.5	9.2	257.9	7.6	363.6	6.1
52.6	15.5	108.4	12.6	176.0	9.1	259.2	7.6	365.2	6.1
53.1	15.6	109.3	12.6	177.2	9.1	259.9	7.5	366.4	6.1
54.2	15.6	109.4	12.6	178.2	9.1	260.7	7.5	368.1	6.0
55.1	15.6	110.5	12.5	180.0	9.0	262.2	7.4	370.3	5.9
56.4	15.5	111.9	12.5	182.4	9.0	263.8	7.5	373.0	6.0
56.6	15.4	112.7	12.5	184.4	9.0	265.7	7.5	375.6	6.0
57.3	14.9	113.6	12.5	186.4	8.9	267.8	7.4	378.5	5.9
57.9	14.4	114.8	12.4	188.5	8.9	269.1	7.4	380.5	5.9
59.1	13.9	115.7	12.4	191.3	8.8	270.2	7.4	383.0	5.9
60.9	14.2	117.4	12.5	194.0	8.7	271.8	7.3	385.3	5.9
61.3	14.5	118.1	12.5	195.9	8.7	274.6	7.3	387.4	5.9
61.9	14.8	119.2	12.6	197.8	8.7	276.8	7.2	388.7	5.9
62.9	14.9	119.3	12.6	199.0	8.7	279.3	7.2	391.8	5.9
63.7	14.9	120.4	12.6	200.9	8.7	280.9	7.1	394.1	5.9
65.1	14.9	121.9	12.6	203.2	8.7	283.0	7.1	395.9	5.9
65.7	14.9	124.6	12.6	204.6	8.8	285.5	7.1	398.1	5.9
67.1	14.9	127.3	12.6	205.1	8.9	286.9	7.1	399.4	5.8

STA 33 DAY: 22 TIME: 1521

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.6	20.1	82.9	13.3	153.4	10.3	252.0	7.9	390.6	6.4
3.5	20.1	85.4	13.3	154.9	10.3	258.1	7.8	393.7	6.3
5.2	20.1	87.6	13.3	157.7	10.2	261.3	7.8	396.1	6.3
7.5	20.1	89.6	13.3	159.4	10.2	266.9	7.7	398.9	6.3
8.5	20.1	90.8	13.3	160.8	10.1	271.5	7.7	402.2	6.3
10.3	20.1	92.4	13.2	162.1	10.1	274.2	7.7	405.5	6.3
11.8	20.1	93.4	13.3	163.8	10.0	277.5	7.7	408.4	6.3
13.7	20.1	94.7	13.4	166.0	9.9	279.9	7.7	410.6	6.3
15.8	20.1	96.1	13.5	168.0	9.9	282.0	7.6	413.3	6.3
17.9	20.1	97.2	13.6	172.2	9.8	284.8	7.6	416.5	6.3
19.8	20.1	98.2	13.8	174.1	9.7	286.2	7.5	419.0	6.3
21.7	20.1	99.1	13.8	177.1	9.6	288.6	7.5	422.0	6.3
23.7	20.1	101.3	13.8	180.3	9.6	290.7	7.5	424.3	6.3
25.5	20.1	103.5	13.8	182.6	9.6	292.1	7.4	426.9	6.2
27.2	20.1	105.2	13.8	183.9	9.7	294.7	7.4	428.7	6.2
28.2	20.1	107.6	13.8	185.4	9.8	297.2	7.3	429.8	6.1
29.8	20.1	109.0	13.7	188.1	9.8	298.8	7.3	431.0	6.1
31.7	20.1	110.9	13.5	190.1	9.8	301.1	7.3	432.1	6.0
33.2	20.1	110.9	13.0	193.8	9.7	301.7	7.2	433.8	6.0
35.8	20.1	112.0	12.0	196.0	9.7	304.6	7.2	436.4	5.9
37.7	20.1	113.3	11.0	198.1	9.6	308.3	7.1	438.4	5.9
39.6	20.1	114.0	10.7	199.6	9.5	310.6	7.1	439.8	5.9
42.9	19.9	114.6	10.6	201.4	9.5	313.8	7.0	441.5	5.8
43.3	19.6	117.5	10.6	203.2	9.4	316.0	6.9	443.5	5.8
44.0	19.1	119.3	10.6	204.2	9.3	318.3	6.9	445.4	5.8
44.2	18.6	120.1	10.5	204.9	9.1	319.0	6.9	447.1	5.8
44.1	18.1	121.0	10.4	205.6	9.1	322.1	6.9	448.8	5.8
44.1	17.6	122.8	10.4	207.0	9.0	325.2	6.8	450.4	5.8
44.8	17.1	125.6	10.3	208.8	9.0	328.9	6.8	450.6	5.8
45.6	16.1	128.0	10.3	209.7	8.9	330.8	6.8	452.5	5.8
46.4	15.0	128.9	10.5	210.4	8.8	333.6	6.8	453.4	5.8
46.8	14.2	129.2	10.7	211.3	8.7	336.7	6.8	454.8	5.7
49.3	15.0	129.8	10.9	213.1	8.7	340.0	6.8	456.3	5.7
50.7	15.3	130.3	11.0	215.3	8.6	341.9	6.8	458.0	5.6
52.4	15.4	131.2	11.1	217.0	8.6	344.4	6.8	458.8	5.6
54.9	15.4	132.8	11.2	218.1	8.5	346.2	6.7	460.0	5.5
58.0	15.4	134.1	11.3	219.9	8.4	349.0	6.7	460.8	5.5
60.7	15.4	136.0	11.3	222.1	8.4	351.5	6.7	461.8	5.5
62.8	15.3	138.8	11.3	224.6	8.4	354.4	6.7	463.2	5.5
64.4	15.1	140.7	11.2	226.4	8.3	356.6	6.7	464.9	5.4
67.0	15.1	141.2	11.1	228.4	8.3	359.0	6.6	466.6	5.4
68.6	14.9	141.9	10.9	230.4	8.3	361.2	6.5	468.2	5.4
70.3	14.8	142.4	10.9	232.4	8.2	364.8	6.5	470.1	5.4
71.4	14.6	144.3	10.8	234.0	8.2	368.0	6.5	471.8	5.4
73.8	14.3	147.5	10.8	234.9	8.2	371.5	6.5	473.4	5.4
75.3	14.1	148.3	10.7	236.6	8.1	375.3	6.4	475.3	5.4
76.3	14.1	148.5	10.6	238.8	8.1	379.2	6.4	476.9	5.3
77.9	14.0	149.6	10.5	242.6	8.0	381.4	6.4	478.5	5.3
78.8	13.7	151.7	10.5	246.5	8.0	384.6	6.4	479.8	5.3
80.5	13.3	152.9	10.4	248.3	7.9	387.8	6.4	480.8	5.3

STA 33 DAY: 22 TIME: 1521

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
482.3	5.3	574.4	4.8	689.4	4.6
483.6	5.3	576.3	4.8	692.2	4.6
484.9	5.2	579.1	4.8	694.4	4.6
487.1	5.2	580.8	4.8	696.2	4.6
488.3	5.2	582.9	4.8	698.1	4.6
490.4	5.2	586.0	4.8	700.6	4.6
491.6	5.2	588.2	4.8	703.1	4.6
494.0	5.2	589.9	4.8	705.5	4.6
496.0	5.2	591.7	4.8	707.6	4.6
497.3	5.1	594.5	4.8	710.4	4.6
499.7	5.1	596.0	4.8	712.5	4.6
500.9	5.1	599.0	4.8	714.6	4.5
503.1	5.1	601.1	4.8	717.8	4.5
504.7	5.1	603.0	4.8	720.1	4.5
506.3	5.1	606.1	4.8	721.5	4.5
508.2	5.1	608.2	4.8	724.6	4.5
509.0	5.1	610.1	4.8	727.7	4.5
509.7	5.0	612.3	4.8	729.8	4.5
511.6	5.0	614.3	4.8	731.5	4.5
513.9	5.0	616.5	4.8	734.5	4.5
515.5	5.0	618.5	4.8	737.3	4.5
517.1	5.0	622.3	4.8	739.1	4.5
519.0	5.0	624.7	4.8	741.2	4.5
520.3	5.0	627.0	4.7	743.2	4.5
522.5	4.9	629.0	4.8	745.2	4.5
524.8	4.9	631.0	4.7	748.4	4.5
528.1	5.0	633.0	4.7	750.2	4.5
529.7	5.0	635.5	4.7	751.5	4.5
532.0	4.9	637.9	4.7		
534.3	4.9	640.9	4.7		
536.1	4.9	643.4	4.7		
539.2	4.9	646.9	4.7		
541.4	4.9	648.8	4.7		
543.6	4.9	651.3	4.7		
545.4	4.9	653.9	4.7		
546.9	4.9	655.8	4.7		
548.8	4.9	657.4	4.7		
550.0	4.9	659.7	4.7		
552.1	4.9	662.2	4.7		
553.5	4.9	664.5	4.7		
555.5	4.9	668.1	4.7		
557.7	4.9	670.1	4.7		
559.8	4.9	672.1	4.7		
561.0	4.9	674.2	4.7		
562.9	4.9	677.2	4.7		
564.8	4.9	679.5	4.7		
567.0	4.8	680.7	4.7		
568.7	4.9	683.0	4.7		
571.2	4.8	685.5	4.6		
572.5	4.8	687.3	4.6		

STA 34 DAY: 22 TIME: 1552

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.4	20.4	82.3	12.4	141.6	11.3	229.7	9.1	318.5	7.4
3.3	20.4	83.6	12.4	142.3	11.3	231.8	9.1	319.6	7.4
5.8	20.4	84.3	12.4	145.1	11.2	232.8	9.1	320.7	7.3
8.0	20.4	85.2	12.4	146.5	11.2	233.6	9.0	323.7	7.3
10.5	20.4	87.9	12.5	148.6	11.2	234.8	9.0	325.7	7.3
12.7	20.4	89.5	12.5	149.9	11.1	236.0	8.9	328.2	7.2
14.9	20.4	91.5	12.5	150.8	11.0	237.8	8.9	330.9	7.2
17.2	20.4	93.7	12.5	151.4	11.0	239.1	8.8	331.2	7.2
19.8	20.4	94.7	12.5	153.0	11.0	240.2	8.8	331.1	7.1
22.6	20.4	96.6	12.5	154.3	10.9	240.9	8.7	332.5	7.1
24.4	20.4	97.9	12.5	155.6	10.8	243.2	8.7	336.3	7.1
27.2	20.4	98.6	12.5	156.6	10.7	245.2	8.6	339.2	7.1
29.6	20.4	99.7	12.4	157.4	10.7	245.5	8.6	340.9	7.1
31.9	20.4	100.3	12.3	158.1	10.6	247.7	8.5	344.4	7.1
34.7	20.4	101.4	12.3	159.1	10.6	249.9	8.5	347.2	7.1
36.7	20.4	102.7	12.3	160.9	10.6	251.8	8.5	349.2	7.0
39.1	20.4	104.1	12.3	165.1	10.6	254.3	8.4	351.1	7.0
40.4	20.1	105.2	12.3	167.1	10.6	256.3	8.4	353.6	7.0
41.8	19.1	105.9	12.2	170.5	10.6	257.8	8.4	356.3	7.0
42.3	18.0	106.7	12.1	172.2	10.6	259.7	8.3	359.9	7.0
44.9	17.1	108.2	12.1	173.9	10.5	262.2	8.2	363.2	7.0
46.5	16.5	109.3	12.1	175.5	10.4	263.8	8.2	365.7	7.0
49.4	16.1	110.4	12.2	178.0	10.4	265.7	8.2	368.7	6.9
52.5	15.5	111.0	12.2	180.2	10.4	269.3	8.2	370.6	6.9
54.7	15.0	112.6	12.1	181.9	10.3	270.4	8.1	373.4	6.9
57.3	14.0	113.2	12.0	184.8	10.3	271.3	8.1	375.4	6.9
58.5	13.6	113.2	11.8	187.6	10.2	272.2	8.1	378.2	6.9
59.6	13.6	113.4	11.6	189.0	10.1	273.7	8.0	381.1	6.8
60.2	13.5	113.8	11.5	191.5	10.0	276.3	8.0	383.8	6.8
62.4	13.0	115.1	11.2	193.1	10.0	277.3	7.9	385.9	6.8
63.1	12.4	116.8	11.2	194.1	9.9	278.2	7.8	388.1	6.8
63.9	12.0	118.6	10.9	195.4	9.8	279.8	7.8	390.4	6.7
64.9	11.4	118.9	10.8	197.8	9.8	281.4	7.7	392.2	6.7
65.9	11.0	120.5	10.8	199.6	9.8	282.7	7.6	394.1	6.7
67.6	10.6	122.0	10.6	201.6	9.8	284.5	7.6	396.7	6.6
68.8	10.6	123.5	10.6	204.3	9.7	287.6	7.6	398.5	6.6
70.3	10.6	124.8	10.4	205.9	9.7	290.3	7.6	400.3	6.6
71.8	10.7	126.7	10.3	207.1	9.7	292.3	7.5	401.1	6.5
72.0	11.0	127.8	10.2	208.8	9.6	294.1	7.5	402.8	6.4
72.6	11.1	128.6	10.2	210.6	9.6	295.7	7.5	404.8	6.4
73.5	11.3	130.6	10.3	212.2	9.5	296.8	7.5	407.5	6.4
74.1	11.4	132.7	10.4	214.2	9.4	299.6	7.5	410.6	6.4
75.5	11.5	134.1	10.6	215.1	9.4	302.4	7.5	413.3	6.4
76.8	11.6	135.4	10.7	216.5	9.4	304.6	7.5	415.7	6.4
78.7	11.9	135.9	10.9	218.6	9.4	306.8	7.5	418.5	6.5
79.1	12.0	137.2	11.0	220.4	9.3	308.4	7.5	420.6	6.5
79.5	12.1	138.1	11.2	222.2	9.3	310.6	7.4	422.6	6.4
79.9	12.2	138.4	11.3	224.3	9.2	312.9	7.4	424.8	6.4
80.3	12.4	138.8	11.4	226.3	9.2	314.3	7.4	427.3	6.4
81.4	12.4	139.9	11.4	228.1	9.1	315.8	7.4	431.4	6.4

STA 34 DAY: 22 TIME: 1552

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
433.9	6.4	525.3	5.3	650.8	4.8
435.7	6.4	527.2	5.3	652.8	4.8
438.2	6.4	528.7	5.3	656.0	4.8
440.5	6.4	530.5	5.3	658.5	4.8
441.7	6.3	531.5	5.3	660.8	4.8
444.2	6.3	534.2	5.3	662.5	4.8
445.4	6.3	536.4	5.3	665.2	4.8
447.0	6.2	537.8	5.2	667.9	4.8
448.8	6.2	539.2	5.2	669.2	4.8
450.5	6.2	541.0	5.2	671.0	4.8
450.8	6.0	543.7	5.2	673.3	4.8
452.1	6.0	545.9	5.1	675.8	4.8
454.5	6.0	548.1	5.1	678.3	4.8
456.0	6.0	550.8	5.1	681.0	4.8
458.0	5.9	553.7	5.1	682.3	4.8
459.1	5.9	556.2	5.1	685.3	4.8
461.0	5.9	559.1	5.1	687.6	4.8
462.7	5.9	561.0	5.1	689.9	4.8
464.8	5.9	563.2	5.1	692.0	4.8
466.4	5.8	564.4	5.0	694.5	4.8
467.9	5.8	566.6	5.1	697.9	4.7
469.9	5.8	569.0	5.1	700.3	4.7
471.5	5.8	571.3	5.0	703.9	4.7
472.9	5.8	574.0	5.0	705.3	4.7
474.9	5.7	577.7	4.9	707.2	4.7
476.6	5.7	580.3	4.9	709.3	4.7
479.6	5.7	584.1	4.9	711.2	4.7
482.2	5.7	587.7	4.9	713.4	4.7
484.8	5.7	590.7	4.9	715.2	4.7
487.0	5.7	594.4	4.9	717.4	4.7
489.3	5.7	598.3	4.9	719.8	4.7
491.2	5.7	602.0	4.9	722.3	4.7
492.9	5.7	605.5	4.9	724.4	4.7
494.4	5.6	607.9	4.9	727.3	4.7
495.7	5.6	611.9	4.9	729.8	4.7
497.1	5.5	614.3	4.9	731.2	4.7
499.7	5.5	617.1	4.8	731.9	4.7
500.5	5.5	619.4	4.9	733.0	4.7
501.8	5.4	621.1	4.9	736.3	4.7
504.1	5.4	623.9	4.9	738.5	4.7
505.2	5.4	625.4	4.9	739.7	4.7
506.9	5.4	627.5	4.9	741.5	4.7
508.6	5.4	630.5	4.8	743.5	4.6
510.5	5.4	634.3	4.8	745.1	4.6
513.4	5.4	635.8	4.8	746.7	4.6
515.2	5.4	638.1	4.8	748.9	4.6
517.3	5.4	640.1	4.8	751.7	4.6
519.4	5.4	643.0	4.8		
521.9	5.4	646.0	4.8		
523.5	5.3	649.2	4.8		

STA 35 DAY: 22 TIME: 1627

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.8	19.6	75.8	13.1	190.3	10.5	305.6	7.9	442.5	6.1
2.7	19.6	78.2	13.2	194.2	10.4	308.0	7.8	443.5	6.1
4.1	19.6	79.5	13.0	197.2	10.2	311.2	7.8	446.5	6.0
5.6	19.6	81.3	12.5	200.1	10.1	312.7	7.8	450.4	6.0
6.5	19.6	82.3	12.3	205.4	10.0	316.3	7.7	451.0	6.0
8.1	19.6	85.3	12.5	207.9	9.9	318.3	7.7	451.9	6.0
10.5	19.6	87.7	12.7	211.7	9.9	320.3	7.6	452.9	6.0
12.5	19.6	89.2	12.7	216.4	9.8	322.5	7.6	453.9	5.9
14.1	19.6	90.6	12.8	218.6	9.7	325.1	7.5	455.4	5.9
15.6	19.6	92.9	12.9	221.0	9.7	327.1	7.5	457.5	5.9
17.5	19.6	94.8	12.9	223.5	9.7	331.0	7.5	458.7	5.9
19.4	19.6	96.9	12.7	225.3	9.6	332.5	7.5	460.7	5.8
21.0	19.6	97.8	12.5	227.8	9.6	336.0	7.4	461.8	5.9
22.1	19.6	100.3	12.3	229.8	9.6	338.8	7.4	463.7	5.8
24.0	19.6	102.6	12.3	232.6	9.6	341.2	7.3	465.1	5.8
25.8	19.6	104.2	12.2	236.1	9.5	344.4	7.3	466.7	5.8
27.8	19.7	106.6	12.2	238.0	9.5	347.9	7.3	468.4	5.8
29.9	19.6	108.0	11.7	240.5	9.4	350.4	7.2	470.1	5.8
32.0	19.6	109.1	11.4	242.9	9.4	353.0	7.1	471.7	5.8
34.0	19.6	110.0	11.4	246.6	9.4	355.4	7.0	472.4	5.8
36.3	19.6	113.4	11.3	249.0	9.4	358.0	7.0	474.0	5.7
38.0	19.6	115.1	11.2	249.5	9.3	361.8	7.1	475.4	5.7
40.9	19.6	115.7	11.0	251.4	9.3	363.6	6.9	476.6	5.8
43.4	19.6	116.9	10.8	253.6	9.2	366.5	6.9	477.7	5.7
45.5	19.1	118.9	10.8	255.4	9.2	370.7	6.9	479.1	5.7
46.1	18.1	121.5	10.8	256.1	9.1	373.5	6.9	480.0	5.6
46.1	17.1	123.5	10.9	256.8	9.1	376.9	6.9	481.5	5.6
46.5	16.1	126.5	10.5	259.0	9.0	379.1	6.9	482.7	5.6
47.1	15.0	127.7	10.3	260.2	8.9	382.3	6.9	483.7	5.6
48.2	14.0	130.3	10.3	261.2	8.7	385.4	6.8	484.5	5.6
48.7	13.0	132.5	10.2	264.0	8.6	388.3	6.8	485.8	5.6
49.3	12.5	137.3	10.2	265.9	8.5	390.5	6.8	487.8	5.6
49.8	12.2	139.2	10.3	268.1	8.5	393.0	6.8	489.1	5.6
52.0	12.1	140.7	10.4	270.6	8.5	395.3	6.7	491.0	5.6
52.6	11.5	144.1	10.4	273.3	8.5	397.9	6.7	492.4	5.6
53.4	11.0	148.7	10.4	276.6	8.5	401.5	6.7	494.3	5.6
54.4	10.6	150.4	10.3	279.5	8.4	405.4	6.7	495.8	5.5
56.1	10.5	153.8	10.2	281.9	8.4	409.5	6.7	497.5	5.5
58.4	10.7	156.9	10.2	283.8	8.4	412.2	6.7	499.1	5.5
60.2	11.5	160.5	10.2	286.1	8.4	415.1	6.6	500.7	5.5
61.3	12.1	164.0	10.3	287.9	8.4	418.0	6.6	502.4	5.5
63.7	11.6	165.1	10.3	291.0	8.3	421.1	6.5	504.2	5.5
64.7	11.5	168.1	10.3	293.5	8.3	423.5	6.5	506.4	5.5
66.0	11.5	171.1	10.4	296.2	8.3	424.7	6.4	508.2	5.5
67.0	11.4	175.2	10.4	298.0	8.3	427.7	6.4	509.6	5.5
68.6	11.7	177.1	10.5	299.6	8.3	431.3	6.4	511.2	5.5
69.7	12.1	177.9	10.6	300.4	8.2	433.9	6.3	512.4	5.5
71.3	12.1	180.3	10.7	301.5	8.1	436.5	6.3	513.2	5.4
73.4	12.5	183.3	10.7	301.6	8.0	438.0	6.3	514.2	5.4
75.1	13.0	187.4	10.7	303.4	7.9	441.3	6.2	515.5	5.4

STA 35 DAY: 22 TIME: 1627

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
517.8	5.4	620.0	5.0	740.0	4.7
519.7	5.4	623.1	5.0	741.0	4.7
522.2	5.4	625.4	5.0	743.0	4.7
524.1	5.4	627.2	5.0	745.4	4.7
525.7	5.4	629.4	5.0	748.6	4.7
527.2	5.4	631.7	5.0	751.2	4.7
529.4	5.4	633.5	4.9	752.2	4.7
531.3	5.4	635.3	4.9		
533.0	5.4	638.3	4.9		
535.0	5.4	640.2	4.9		
536.4	5.3	643.7	4.9		
538.9	5.3	645.8	4.9		
540.4	5.3	647.4	4.9		
541.4	5.3	649.3	4.8		
543.2	5.3	650.7	4.8		
544.4	5.3	652.7	4.8		
546.0	5.3	654.8	4.8		
547.7	5.2	657.2	4.8		
549.7	5.2	659.5	4.8		
551.9	5.2	662.8	4.8		
554.0	5.2	665.8	4.8		
555.8	5.2	668.9	4.8		
556.9	5.2	670.9	4.8		
558.4	5.1	672.8	4.8		
560.3	5.1	676.0	4.8		
562.1	5.1	678.3	4.8		
563.5	5.1	680.2	4.8		
565.2	5.1	682.1	4.8		
566.7	5.1	684.3	4.8		
569.9	5.1	686.9	4.8		
572.8	5.1	689.4	4.8		
575.7	5.1	692.1	4.8		
578.6	5.1	694.2	4.8		
580.8	5.1	696.3	4.8		
583.5	5.1	698.9	4.7		
586.9	5.1	701.1	4.7		
589.3	5.1	703.7	4.7		
591.5	5.1	706.0	4.7		
594.1	5.1	708.9	4.7		
596.4	5.1	711.2	4.7		
598.6	5.1	713.3	4.7		
601.0	5.1	715.8	4.8		
603.4	5.1	718.9	4.8		
605.1	5.1	721.9	4.7		
607.1	5.1	724.6	4.8		
608.5	5.1	726.9	4.7		
611.1	5.1	729.5	4.7		
613.6	5.1	731.4	4.8		
616.5	5.0	733.7	4.8		
618.2	5.0	737.2	4.7		

STA 36 DAY: 22 TIME: 1704

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	17.7	83.6	8.9	185.1	10.6	278.5	8.8	394.5	7.8
3.2	17.7	87.3	8.8	186.6	10.8	281.1	8.7	397.9	7.7
4.3	17.7	90.7	8.8	188.0	10.8	283.9	8.7	400.6	7.7
6.2	17.7	95.9	8.8	189.5	10.9	285.9	8.7	401.7	7.6
8.6	17.7	100.1	8.7	190.1	11.0	287.9	8.7	402.6	7.5
10.8	17.7	103.3	8.8	190.4	11.1	289.5	8.6	403.6	7.5
12.4	17.7	106.5	8.9	192.2	11.1	291.2	8.6	405.3	7.5
13.3	17.6	109.2	8.9	192.8	11.0	293.5	8.6	408.1	7.5
15.3	17.6	112.8	9.0	193.5	10.9	296.6	8.6	410.3	7.4
16.9	17.6	114.7	9.1	195.3	10.9	298.3	8.6	412.9	7.4
19.1	17.6	117.1	9.1	196.2	10.7	300.6	8.6	416.2	7.4
21.0	17.6	119.0	9.2	197.4	10.6	302.8	8.5	419.6	7.4
23.3	17.6	120.2	9.3	199.5	10.5	304.3	8.5	421.8	7.4
25.2	17.6	120.5	9.4	202.2	10.5	307.0	8.4	423.5	7.4
27.8	17.5	121.0	9.4	205.6	10.5	309.4	8.4	426.4	7.4
29.2	17.5	122.5	9.5	207.1	10.4	312.5	8.4	429.5	7.4
29.0	17.1	123.5	9.5	210.2	10.4	314.6	8.4	432.2	7.4
29.8	16.1	125.7	9.5	213.5	10.4	317.4	8.4	433.8	7.3
29.5	15.0	128.0	9.5	217.0	10.3	320.3	8.4	435.1	7.2
30.2	14.1	129.5	9.5	220.1	10.3	323.4	8.4	437.7	7.1
30.1	13.0	130.9	9.6	221.2	10.3	326.6	8.4	440.2	7.1
30.2	12.0	132.3	9.6	223.0	10.2	328.6	8.4	441.9	7.1
31.2	11.0	134.3	9.6	226.9	10.2	332.6	8.4	444.7	7.0
32.3	10.2	136.9	9.7	229.4	10.2	335.8	8.4	446.3	7.0
33.2	10.1	139.5	9.7	231.6	10.3	338.6	8.4	448.9	7.0
34.7	10.1	141.6	9.7	234.0	10.3	340.7	8.4	451.0	7.0
36.6	10.0	144.0	9.7	235.1	10.4	342.7	8.4	454.4	7.0
38.6	10.0	146.0	9.7	237.4	10.4	346.1	8.3	456.6	7.0
40.1	10.1	147.4	9.7	239.5	10.4	348.7	8.4	459.9	7.0
41.9	10.1	149.5	9.7	241.5	10.4	350.0	8.3	462.3	7.0
43.7	9.9	151.5	9.7	242.6	10.3	350.3	8.3	466.1	7.0
44.8	9.6	153.3	9.7	243.9	10.2	352.0	8.2	467.1	6.9
45.2	9.5	155.0	9.7	244.7	10.0	353.5	8.2	470.0	6.9
46.5	9.3	157.0	9.7	245.6	9.9	354.2	8.2	472.2	6.9
49.8	9.3	158.9	9.7	248.0	9.8	356.3	8.1	476.7	6.8
51.5	9.5	162.0	9.7	249.9	9.8	359.5	8.1	479.4	6.8
53.1	9.7	165.1	9.7	253.0	9.8	362.6	8.1	482.2	6.8
55.4	9.7	167.0	9.7	255.8	9.8	365.1	8.1	485.3	6.8
56.8	10.2	168.8	9.8	258.2	9.8	368.1	8.0	486.9	6.8
57.9	10.6	169.4	9.9	260.2	9.8	371.4	8.0	489.3	6.7
60.0	10.9	171.3	9.9	261.7	9.8	372.0	7.9	491.7	6.7
62.5	10.0	172.6	9.9	263.6	9.6	373.3	7.9	493.6	6.5
63.7	9.5	175.1	9.9	264.4	9.5	375.4	7.9	494.9	6.5
65.1	9.0	176.2	10.0	265.6	9.3	378.8	7.9	497.7	6.5
65.5	8.9	178.0	10.0	266.4	9.1	380.5	7.8	501.7	6.4
66.3	8.8	179.8	10.1	267.6	9.0	382.9	7.8	504.5	6.4
69.5	8.8	181.9	10.1	269.2	8.9	385.0	7.8	506.9	6.4
74.2	8.8	182.6	10.2	271.0	8.9	387.3	7.8	510.3	6.4
75.1	8.9	183.5	10.4	273.3	8.8	389.5	7.8	513.4	6.4
78.1	8.9	184.3	10.5	276.1	8.8	391.7	7.8	517.4	6.4

STA 36 DAY: 22 TIME: 1704

DEPTH (m)	TEMP (°C)
521.6	6.4
524.1	6.4
526.5	6.4
528.6	6.4
531.3	6.4
532.9	6.3
534.7	6.3
535.1	6.2
537.2	6.2
539.8	6.2
543.3	6.2
546.2	6.2
547.6	6.1
548.5	6.1
550.1	6.0
553.1	5.9
555.4	5.9
558.9	5.9
561.6	5.9
565.0	5.9
568.8	5.9
572.0	5.9
573.9	5.9
576.0	5.9
577.1	5.8
578.5	5.8
580.8	5.7
583.5	5.7
584.2	5.7

STA 37 DAY: 22 TIME: 1735

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
32	2.	15.915	33.931	5.71	24.945	94.3	0.23
48	4.	15.916	33.931	5.70	24.945	94.3	0.23
81	6.	15.914	33.929	5.62	24.944	94.0	0.25
62	8.	15.914	33.929	5.50	24.944	94.0	0.25
59	10.	15.911	33.928	5.54	24.944	94.1	0.24
68	12.	15.913	33.928	5.52	24.944	94.1	0.24
66	14.	15.914	33.929	5.45	24.944	94.1	0.24
36	16.	15.909	33.927	5.56	24.943	94.0	0.25
91	18.	15.907	33.926	5.51	24.944	94.1	0.24
53	20.	15.904	33.924	5.43	24.943	94.1	0.24
98	22.	15.904	33.925	5.38	24.943	94.1	0.24
49	24.	15.907	33.925	5.39	24.943	94.1	0.24
40	26.	15.909	33.925	5.52	24.942	94.1	0.25
53	28.	15.915	33.926	5.56	24.942	94.1	0.24
34	30.	15.918	33.926	5.56	24.941	94.1	0.25
49	32.	15.915	33.926	5.53	24.942	94.1	0.24
29	34.	15.921	33.928	5.52	24.942	94.1	0.25
49	36.	15.927	33.929	5.56	24.942	94.1	0.25
38	38.	15.923	33.929	5.40	24.942	94.1	0.25
30	40.	15.920	33.928	5.43	24.942	94.1	0.24
67	42.	15.924	33.930	5.42	24.943	94.1	0.24
38	44.	15.925	33.929	5.33	24.942	94.1	0.24
60	46.	15.571	33.833	5.35	24.948	94.2	0.24
28	48.	13.335	33.349	5.65	25.048	94.9	0.21
42	50.	12.024	33.007	5.77	25.037	95.3	0.19
50	52.	10.897	32.765	5.79	25.054	95.5	0.18
50	54.	10.266	32.655	5.75	25.077	95.6	0.18
26	56.	9.763	32.630	5.81	25.141	95.8	0.17
56	58.	9.710	32.643	5.78	25.160	95.8	0.17
41	60.	9.672	32.653	5.77	25.174	95.8	0.17
21	62.	9.618	32.673	5.75	25.198	95.8	0.17
25	64.	9.495	32.760	5.79	25.286	95.9	0.17
39	66.	9.879	32.926	5.75	25.353	95.9	0.17
17	68.	12.100	33.436	5.36	25.357	96.1	0.16
22	70.	13.482	33.956	5.21	25.487	96.3	0.15
80	72.	13.337	34.036	5.39	25.579	96.6	0.14
33	74.	12.969	34.015	5.39	25.636	96.6	0.14
30	76.	12.655	33.993	5.42	25.681	96.6	0.14
28	78.	12.494	34.014	5.44	25.729	96.6	0.14
34	80.	12.483	34.026	5.40	25.741	96.6	0.14
24	82.	12.402	34.040	5.38	25.767	96.6	0.14
50	84.	12.174	34.008	5.40	25.786	96.6	0.14
47	86.	11.918	33.977	5.36	25.811	96.6	0.14
50	88.	11.234	33.888	5.41	25.868	96.7	0.14
50	90.	10.957	33.933	5.37	25.953	96.7	0.13
36	92.	10.975	34.024	5.33	26.021	96.6	0.14
43	94.	10.761	34.090	5.27	26.110	96.5	0.14
38	96.	10.742	34.098	5.21	26.120	96.5	0.14
45	98.	10.706	34.099	5.21	26.127	96.5	0.14
70	100.	10.647	34.101	5.20	26.139	96.5	0.14

STA 37 DAY: 22 TIME: 1735

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
22	102.	10.433	34.137	5.19	26.204	96.3	0.15
20	104.	10.376	34.162	5.14	26.233	96.1	0.16
38	106.	10.339	34.177	5.14	26.252	96.1	0.16
31	108.	10.298	34.208	5.11	26.283	96.1	0.16
50	110.	10.259	34.234	5.10	26.310	96.1	0.16
56	112.	10.184	34.291	5.08	26.368	95.8	0.17
25	114.	10.171	34.326	5.01	26.397	95.5	0.18
33	116.	10.166	34.334	4.98	26.404	95.4	0.19
38	118.	10.163	34.337	5.00	26.407	95.5	0.19
54	120.	10.162	34.338	4.97	26.408	95.4	0.19
30	122.	10.159	34.345	4.98	26.414	95.4	0.19
29	124.	10.154	34.352	4.96	26.420	95.3	0.19
73	126.	10.156	34.349	4.97	26.417	95.4	0.19
28	128.	10.155	34.356	4.92	26.423	95.3	0.19
54	130.	10.151	34.370	4.93	26.435	95.1	0.20
31	132.	10.146	34.398	4.93	26.457	94.8	0.22
53	134.	10.145	34.403	4.91	26.461	94.6	0.22
30	136.	10.146	34.404	4.90	26.462	94.6	0.22
30	138.	10.146	34.404	4.87	26.462	94.4	0.23
56	140.	10.146	34.405	4.90	26.463	94.6	0.22
42	142.	10.144	34.415	4.88	26.471	94.4	0.23
40	144.	10.141	34.419	4.88	26.475	94.4	0.23
27	146.	10.142	34.419	4.89	26.474	94.3	0.23
38	148.	10.143	34.418	4.88	26.473	94.3	0.23
27	150.	10.143	34.418	4.89	26.473	94.4	0.23
32	152.	10.142	34.419	4.88	26.474	94.3	0.23
68	154.	10.142	34.419	4.90	26.474	94.5	0.23
43	156.	10.142	34.420	4.87	26.475	94.4	0.23
40	158.	10.143	34.419	4.88	26.475	94.4	0.23
42	160.	10.142	34.420	4.87	26.475	94.4	0.23
24	162.	10.142	34.421	4.88	26.476	94.3	0.23
27	164.	10.138	34.424	4.88	26.479	94.3	0.24
49	166.	10.136	34.426	4.89	26.481	94.6	0.22
40	168.	10.136	34.427	4.87	26.482	94.5	0.23
45	170.	10.137	34.426	4.88	26.481	94.6	0.22
52	172.	10.122	34.439	4.87	26.493	94.7	0.22
25	174.	10.114	34.443	4.85	26.498	94.8	0.21
28	176.	10.113	34.445	4.84	26.499	94.7	0.22
63	178.	10.110	34.448	4.87	26.503	95.0	0.20
54	180.	10.109	34.450	4.85	26.504	95.1	0.20
46	182.	10.106	34.454	4.86	26.508	95.1	0.20
26	184.	10.105	34.457	4.85	26.510	95.1	0.20
48	186.	10.104	34.459	4.86	26.512	95.2	0.20
21	188.	10.105	34.461	4.87	26.514	95.1	0.20
23	190.	10.104	34.462	4.86	26.515	95.1	0.20
64	192.	10.107	34.463	4.89	26.515	95.3	0.19
25	194.	10.110	34.464	4.85	26.515	95.3	0.19
21	196.	10.135	34.484	4.83	26.527	95.6	0.18
39	198.	10.147	34.489	4.86	26.528	95.8	0.17
22	200.	10.237	34.515	4.88	26.533	95.5	0.19

STA 37 DAY: 22 TIME: 1735

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
19	202.	10.238	34.516	4.88	26.534	95.4	0.19
34	204.	10.231	34.513	4.87	26.532	95.5	0.18
34	206.	10.302	34.552	4.85	26.551	95.5	0.19
35	208.	10.380	34.597	4.83	26.573	95.3	0.19
46	210.	10.378	34.604	4.80	26.578	95.4	0.19
23	212.	10.355	34.595	4.74	26.575	95.3	0.19
31	214.	10.382	34.623	4.73	26.592	95.2	0.20
45	216.	10.383	34.624	4.74	26.593	95.3	0.19
21	218.	10.384	34.623	4.69	26.592	95.2	0.20
19	220.	10.384	34.624	4.69	26.592	95.1	0.20
42	222.	10.380	34.628	4.71	26.597	95.3	0.19
45	224.	10.367	34.628	4.70	26.599	95.3	0.19
33	226.	10.362	34.631	4.69	26.602	95.3	0.19
64	228.	10.376	34.644	4.70	26.610	95.3	0.19
48	230.	10.381	34.652	4.68	26.615	95.3	0.19
18	232.	10.379	34.657	4.64	26.619	95.1	0.20
20	234.	10.370	34.666	4.65	26.628	95.0	0.21
47	236.	10.359	34.673	4.68	26.635	95.1	0.20
29	238.	10.352	34.675	4.69	26.638	95.1	0.20
43	240.	10.332	34.683	4.67	26.647	95.1	0.20
24	242.	10.326	34.686	4.64	26.651	95.0	0.20
44	244.	10.280	34.701	4.64	26.671	95.1	0.20
20	246.	10.122	34.748	4.61	26.735	95.0	0.21
21	248.	9.908	34.812	4.65	26.821	94.9	0.21
39	250.	9.740	34.852	4.65	26.881	95.1	0.20
24	252.	9.655	34.878	4.60	26.915	95.1	0.20
40	254.	9.645	34.880	4.60	26.919	95.2	0.20
74	256.	9.642	34.880	4.56	26.920	95.2	0.20
30	258.	9.642	34.881	4.52	26.920	95.1	0.20
57	260.	9.628	34.885	4.54	26.925	95.2	0.20
56	262.	9.615	34.889	4.55	26.931	95.3	0.19
41	264.	9.593	34.892	4.55	26.937	95.3	0.19
50	266.	9.470	34.923	4.56	26.981	95.3	0.19
50	268.	9.383	34.951	4.55	27.018	95.4	0.19
27	270.	9.366	34.967	4.52	27.033	95.4	0.19
59	272.	9.340	34.976	4.51	27.045	95.6	0.18
45	274.	9.329	34.978	4.49	27.048	95.6	0.18
36	276.	9.306	34.984	4.47	27.056	95.6	0.18
34	278.	9.293	34.987	4.49	27.061	95.6	0.18
20	280.	9.279	34.993	4.48	27.068	95.4	0.19
40	282.	9.197	35.009	4.50	27.094	95.7	0.17
29	284.	9.089	35.031	4.49	27.129	95.8	0.17
60	286.	9.111	35.030	4.47	27.124	95.9	0.17
37	288.	9.102	35.029	4.46	27.125	95.8	0.17
25	290.	9.116	35.026	4.45	27.120	95.8	0.17
34	292.	9.057	35.044	4.45	27.144	95.9	0.17
51	294.	9.044	35.049	4.46	27.150	96.0	0.16
49	296.	9.028	35.050	4.41	27.154	96.0	0.16
26	298.	9.011	35.057	4.40	27.161	95.9	0.17
43	300.	8.999	35.060	4.41	27.166	96.0	0.16

STA 37 DAY: 22 TIME: 1735

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
81	302.	8.996	35.060	4.40	27.166	96.1	0.16
42	304.	8.985	35.062	4.36	27.169	96.1	0.16
26	306.	8.967	35.063	4.36	27.173	96.0	0.16
46	308.	8.951	35.066	4.39	27.178	96.1	0.16
32	310.	8.941	35.069	4.40	27.182	96.1	0.16
44	312.	8.924	35.072	4.40	27.187	96.1	0.16
71	314.	8.923	35.073	4.41	27.188	96.2	0.15
40	316.	8.910	35.074	4.38	27.191	96.1	0.16
36	318.	8.898	35.074	4.38	27.193	96.1	0.16
44	320.	8.900	35.076	4.38	27.194	96.1	0.16
30	322.	8.929	35.072	4.38	27.186	96.1	0.16
58	324.	8.882	35.075	4.40	27.196	96.2	0.16
35	326.	8.839	35.078	4.39	27.205	96.1	0.16
37	328.	8.759	35.089	4.39	27.227	96.3	0.15
26	330.	8.718	35.098	4.38	27.240	96.3	0.15
64	332.	8.696	35.097	4.38	27.243	96.5	0.14
66	334.	8.633	35.099	4.36	27.255	96.5	0.14
33	336.	8.621	35.101	4.36	27.258	96.4	0.15
26	338.	8.620	35.101	4.35	27.258	96.3	0.15
37	340.	8.619	35.102	4.37	27.259	96.4	0.15
35	342.	8.597	35.104	4.40	27.264	96.4	0.15
56	344.	8.546	35.100	4.41	27.269	96.4	0.15
42	346.	8.540	35.102	4.40	27.272	96.4	0.15
32	348.	8.537	35.103	4.38	27.272	96.3	0.15
47	350.	8.528	35.104	4.39	27.275	96.4	0.14
23	352.	8.526	35.105	4.39	27.276	96.4	0.15
21	354.	8.515	35.105	4.41	27.278	96.4	0.15
37	356.	8.496	35.105	4.41	27.280	96.5	0.14
19	358.	8.489	35.105	4.40	27.281	96.3	0.15
20	360.	8.458	35.102	4.41	27.284	96.3	0.15
45	362.	8.446	35.101	4.42	27.286	96.4	0.15
36	364.	8.445	35.101	4.43	27.286	96.4	0.15
28	366.	8.449	35.102	4.42	27.286	96.3	0.15
37	368.	8.446	35.103	4.44	27.287	96.4	0.15
68	370.	8.418	35.102	4.44	27.290	96.4	0.15
37	372.	8.388	35.100	4.41	27.293	96.4	0.15
33	374.	8.383	35.100	4.41	27.294	96.3	0.15
50	376.	8.383	35.100	4.43	27.295	96.3	0.15
66	378.	8.385	35.101	4.45	27.294	96.3	0.15
31	380.	8.381	35.100	4.43	27.294	96.3	0.15
31	382.	8.377	35.100	4.42	27.295	96.3	0.15
53	384.	8.374	35.099	4.45	27.295	96.3	0.15
25	386.	8.371	35.099	4.44	27.295	96.1	0.16
40	388.	8.347	35.095	4.47	27.296	96.3	0.15
35	390.	8.344	35.097	4.49	27.298	96.2	0.16
37	392.	8.307	35.092	4.51	27.299	96.1	0.16
47	394.	8.292	35.091	4.51	27.301	96.1	0.16
49	396.	8.273	35.092	4.51	27.305	96.1	0.16
65	398.	8.269	35.091	4.51	27.304	96.1	0.16
63	400.	8.249	35.090	4.50	27.307	96.1	0.16

STA 37 DAY: 22 TIME: 1735

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
52	402.	8.247	35.090	4.50	27.308	96.1	0.16
41	404.	8.154	35.087	4.52	27.320	96.0	0.16
61	406.	8.083	35.085	4.57	27.328	96.1	0.16
41	408.	7.890	35.076	4.60	27.351	96.0	0.16
22	410.	7.695	35.078	4.61	27.381	95.7	0.18
7	411.	7.613	35.075	4.62	27.391	95.6	0.18
25	412.	7.554	35.069	4.65	27.395	95.6	0.18
13	413.	7.561	35.076	4.74	27.399	95.2	0.19
19	414.	7.506	35.071	4.75	27.403	95.4	0.19
21	415.	7.428	35.069	4.78	27.413	95.4	0.19
13	416.	7.415	35.074	4.78	27.418	95.3	0.19
20	417.	7.415	35.074	4.79	27.419	95.2	0.19
29	418.	7.401	35.071	4.77	27.418	95.5	0.18
31	419.	7.405	35.072	4.76	27.419	95.6	0.18
24	420.	7.400	35.072	4.77	27.419	95.4	0.19
23	421.	7.372	35.071	4.77	27.422	95.4	0.19
42	422.	7.357	35.072	4.77	27.425	95.4	0.19
22	423.	7.344	35.070	4.75	27.426	95.2	0.19
47	424.	7.333	35.070	4.76	27.427	95.6	0.18
20	425.	7.350	35.071	4.77	27.425	95.6	0.18

STA 38 DAY: 22 TIME: 1850

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
56	6.	15.183	33.696	5.51	24.927	92.1	0.33
69	8.	15.254	33.711	5.51	24.924	93.2	0.28
45	10.	15.253	33.710	5.49	24.923	94.9	0.21
53	12.	15.262	33.713	5.53	24.923	94.9	0.21
48	14.	15.243	33.706	5.53	24.922	94.9	0.21
66	16.	15.242	33.706	5.52	24.922	94.9	0.21
52	18.	15.233	33.706	5.51	24.925	94.9	0.21
53	20.	15.197	33.692	5.52	24.922	94.9	0.21
67	22.	15.193	33.695	5.53	24.924	94.9	0.21
62	24.	15.231	33.708	5.53	24.926	94.9	0.21
36	26.	15.450	33.786	5.51	24.938	94.9	0.21
68	28.	15.482	33.787	5.53	24.932	94.9	0.21
32	30.	15.560	33.814	5.50	24.935	95.0	0.20
56	32.	15.562	33.808	5.53	24.930	95.0	0.20
67	34.	15.645	33.844	5.49	24.939	95.1	0.20
46	36.	15.649	33.843	5.46	24.937	95.1	0.20
70	38.	15.598	33.825	5.45	24.935	95.1	0.20
37	40.	15.635	33.844	5.45	24.942	95.1	0.20
60	42.	15.650	33.846	5.48	24.940	95.1	0.20
69	44.	15.653	33.847	5.44	24.940	95.1	0.20
35	46.	15.633	33.840	5.41	24.939	95.1	0.20
39	48.	15.408	33.782	5.45	24.944	95.3	0.19
50	50.	14.939	33.664	5.45	24.956	95.6	0.18
29	52.	13.946	33.497	5.54	25.038	95.9	0.17
40	54.	13.339	33.378	5.56	25.070	95.8	0.17
24	56.	12.713	33.312	5.53	25.142	95.8	0.17
31	58.	12.509	33.286	5.55	25.161	95.8	0.17
36	60.	12.339	33.267	5.55	25.180	95.8	0.17
23	62.	12.088	33.282	5.55	25.239	95.8	0.17
37	64.	11.741	33.265	5.57	25.290	95.8	0.17
28	66.	11.496	33.248	5.52	25.322	95.8	0.17
65	68.	11.070	33.203	5.52	25.364	95.5	0.18
64	70.	10.575	33.188	5.48	25.440	95.2	0.20
56	72.	10.409	33.208	5.43	25.484	94.9	0.21
29	74.	10.268	33.214	5.40	25.513	94.7	0.22
31	76.	10.131	33.214	5.38	25.536	94.4	0.23
20	78.	10.080	33.218	5.43	25.548	94.3	0.24
22	80.	10.010	33.224	5.43	25.564	94.1	0.24
37	82.	9.881	33.253	5.44	25.609	94.1	0.25
22	84.	9.798	33.301	5.39	25.660	93.9	0.25
35	86.	9.775	33.324	5.35	25.681	94.0	0.25
34	88.	9.743	33.350	5.37	25.707	94.2	0.24
17	90.	9.609	33.421	5.34	25.785	94.1	0.24
40	92.	9.471	33.464	5.36	25.840	94.6	0.22
43	94.	9.444	33.512	5.38	25.882	94.9	0.21
48	96.	9.824	33.653	5.29	25.930	95.1	0.20
71	98.	10.975	34.016	5.14	26.014	95.9	0.17
42	100.	11.279	34.214	5.10	26.113	96.8	0.13
43	102.	11.353	34.270	5.12	26.143	97.3	0.11
35	104.	11.336	34.265	5.10	26.143	97.3	0.11

STA 38 DAY: 22 TIME: 1850

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
30	106.	11.341	34.266	5.07	26.142	97.3	0.11
86	108.	11.166	34.235	5.07	26.150	97.2	0.11
24	110.	10.485	34.196	5.07	26.241	95.9	0.17
27	112.	10.233	34.211	5.05	26.297	94.6	0.22
43	114.	10.157	34.209	5.01	26.308	94.3	0.24
26	116.	10.039	34.215	5.00	26.333	93.8	0.26
41	118.	10.035	34.217	4.98	26.335	93.7	0.26
28	120.	10.027	34.217	4.95	26.337	93.7	0.26
26	122.	10.018	34.219	4.92	26.339	93.5	0.27
46	124.	10.018	34.220	4.94	26.340	93.6	0.26
31	126.	10.017	34.217	4.96	26.338	93.6	0.27
38	128.	10.019	34.218	4.95	26.338	93.6	0.26
59	130.	10.021	34.220	4.94	26.340	93.7	0.26
16	131.	10.021	34.221	4.93	26.341	93.7	0.26
22	132.	10.020	34.221	4.93	26.341	93.7	0.26
16	133.	10.023	34.223	4.93	26.341	93.6	0.26
13	134.	10.028	34.225	4.90	26.342	93.6	0.27
26	135.	10.038	34.231	4.91	26.346	93.6	0.26
20	136.	10.040	34.233	4.92	26.347	93.7	0.26
36	137.	10.042	34.234	4.92	26.347	93.8	0.26
21	138.	10.042	34.234	4.94	26.347	93.8	0.25
12	139.	10.043	34.234	4.90	26.347	93.7	0.26
13	140.	10.042	34.234	4.87	26.347	93.5	0.27
26	141.	10.044	34.235	4.87	26.347	93.7	0.26
30	142.	10.046	34.235	4.87	26.347	93.7	0.26

STA 39 DAY: 22 TIME: 1945

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
74	2.	15.139	33.346	5.79	24.668	92.4	0.31
58	4.	15.126	33.346	5.68	24.671	93.4	0.27
52	6.	15.126	33.346	5.66	24.671	93.5	0.27
30	8.	15.129	33.346	5.66	24.670	93.4	0.27
70	10.	15.131	33.346	5.66	24.669	93.4	0.27
56	12.	15.111	33.343	5.62	24.672	93.3	0.28
64	14.	14.994	33.330	5.67	24.687	93.6	0.27
55	16.	14.868	33.318	5.67	24.704	93.5	0.27
43	18.	14.794	33.315	5.68	24.719	93.7	0.26
95	20.	14.694	33.309	5.66	24.735	94.1	0.24
32	22.	14.648	33.314	5.60	24.749	94.0	0.25
52	24.	14.602	33.310	5.64	24.756	94.3	0.23
51	26.	14.573	33.307	5.64	24.759	94.0	0.25
29	28.	14.533	33.299	5.63	24.762	93.5	0.27
82	30.	14.523	33.297	5.64	24.762	93.7	0.26
36	32.	14.529	33.300	5.59	24.763	93.6	0.26
41	34.	14.504	33.298	5.67	24.767	93.8	0.26
42	36.	14.472	33.296	5.69	24.772	93.6	0.26
34	38.	14.506	33.298	5.71	24.767	93.6	0.27
73	40.	14.485	33.297	5.69	24.770	93.7	0.26
49	42.	14.386	33.290	5.62	24.786	93.6	0.26
54	44.	14.349	33.290	5.65	24.793	93.7	0.26
66	46.	14.323	33.288	5.67	24.797	93.7	0.26
54	48.	14.301	33.287	5.63	24.801	93.7	0.26
19	50.	14.303	33.287	5.60	24.801	93.8	0.26
40	52.	14.309	33.291	5.71	24.802	93.9	0.25
26	54.	14.287	33.286	5.77	24.804	93.7	0.26
38	56.	14.310	33.297	5.76	24.807	93.8	0.26
47	58.	14.384	33.324	5.71	24.813	94.0	0.25
35	60.	14.466	33.349	5.67	24.815	94.3	0.24
37	62.	14.451	33.355	5.64	24.822	94.4	0.23
35	64.	14.415	33.374	5.60	24.845	95.1	0.20
34	66.	13.242	33.351	5.76	25.068	96.1	0.16
35	68.	12.340	33.223	5.69	25.145	96.5	0.14
32	70.	11.965	33.291	5.53	25.269	96.6	0.14
54	72.	10.830	33.218	5.67	25.418	96.4	0.15
20	74.	10.016	33.335	5.55	25.650	95.7	0.17
23	76.	9.862	33.457	5.52	25.771	95.5	0.18
50	78.	9.669	33.534	5.41	25.863	95.2	0.20
21	80.	9.471	33.635	5.28	25.974	95.3	0.19
7	81.	9.504	33.713	5.24	26.029	95.4	0.19
24	82.	9.598	33.806	5.24	26.087	95.5	0.18
37	83.	9.674	33.898	5.23	26.147	95.1	0.20
12	84.	9.817	34.025	5.12	26.222	94.5	0.23
9	85.	9.845	34.056	5.09	26.241	93.7	0.26
12	86.	9.875	34.083	5.09	26.257	93.4	0.27
26	87.	9.898	34.107	5.09	26.273	93.0	0.29
13	88.	9.918	34.124	5.05	26.283	92.4	0.32
23	89.	9.922	34.126	5.04	26.283	92.2	0.32
29	90.	9.922	34.128	5.03	26.285	92.4	0.32

STA 39 DAY: 22 TIME: 1945

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
44	91.	9.924	34.132	5.00	26.287	92.3	0.32
43	92.	9.926	34.136	4.99	26.290	92.0	0.33
48	93.	9.927	34.136	4.95	26.290	92.0	0.33
28	94.	9.927	34.136	4.94	26.290	91.9	0.34
40	95.	9.927	34.137	4.95	26.290	91.9	0.34
40	96.	9.927	34.136	5.01	26.290	91.9	0.34
14	97.	9.927	34.136	5.02	26.290	91.8	0.34

STA 40 DAY: 22 TIME: 2041

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.9	15.3	72.7	12.0
5.4	15.3	77.0	11.5
7.2	15.3	78.7	11.0
8.2	15.3	81.6	10.5
9.9	15.4	83.8	10.3
11.0	15.4	87.4	10.3
12.7	15.4	90.8	10.3
14.8	15.4		
16.0	15.4		
18.2	15.4		
20.2	15.4		
22.8	15.4		
24.6	15.4		
26.1	15.5		
27.0	15.6		
27.6	15.8		
28.1	16.0		
28.7	16.3		
29.8	16.5		
30.2	16.6		
31.2	16.7		
32.8	16.8		
34.3	16.8		
36.1	16.8		
37.6	16.8		
38.6	16.8		
40.3	16.8		
41.4	16.7		
43.0	16.7		
44.1	16.7		
45.5	16.8		
46.9	16.7		
47.7	16.7		
48.8	16.5		
50.3	16.4		
52.2	16.5		
54.0	16.6		
55.2	16.7		
56.1	16.8		
57.0	16.8		
58.1	16.9		
59.2	17.0		
60.6	16.5		
61.6	16.0		
62.3	15.0		
62.3	14.0		
63.4	13.0		
63.9	12.8		
66.5	12.7		
68.4	12.5		

STA 41 DAY: 22 TIME: 2110

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
17	1.	15.025	32.970	5.78	24.402	92.3	0.32
60	2.	15.028	32.970	5.82	24.402	92.4	0.32
44	4.	15.030	32.970	5.84	24.402	92.4	0.32
62	6.	15.029	32.970	5.79	24.402	92.4	0.32
61	8.	15.033	32.970	5.69	24.401	92.4	0.32
47	10.	15.030	32.970	5.72	24.402	92.4	0.32
38	12.	15.026	32.969	5.70	24.402	92.3	0.32
58	14.	15.025	32.969	5.74	24.402	92.3	0.32
53	16.	15.021	32.968	5.67	24.402	92.3	0.32
51	18.	15.017	32.967	5.69	24.403	92.3	0.32
72	20.	14.999	32.986	5.67	24.420	92.8	0.30
43	22.	15.043	33.085	5.62	24.488	93.9	0.25
85	24.	15.157	33.185	5.61	24.540	94.8	0.22
60	26.	15.173	33.253	5.58	24.589	95.4	0.19
53	28.	15.272	33.349	5.57	24.641	95.9	0.17
34	30.	15.313	33.401	5.56	24.672	95.9	0.17
57	32.	15.367	33.475	5.55	24.717	96.1	0.16
51	34.	15.236	33.525	5.54	24.784	96.2	0.16
53	36.	15.125	33.534	5.46	24.815	96.2	0.15
53	38.	15.150	33.615	5.45	24.872	96.2	0.16
69	40.	15.153	33.627	5.43	24.881	96.2	0.15
43	42.	14.752	33.572	5.41	24.925	96.3	0.15
63	44.	14.692	33.586	5.41	24.949	96.3	0.15
54	46.	14.661	33.583	5.38	24.953	96.3	0.15
35	48.	14.369	33.518	5.42	24.965	96.2	0.15
40	50.	13.245	33.277	5.59	25.010	96.1	0.16
33	52.	12.491	33.125	5.63	25.040	95.9	0.17
51	54.	11.991	33.038	5.62	25.068	95.8	0.17
54	56.	11.810	33.064	5.54	25.122	95.7	0.18
62	58.	11.750	33.096	5.49	25.157	95.6	0.18
67	60.	11.741	33.109	5.45	25.170	95.6	0.18
51	62.	11.695	33.121	5.42	25.188	95.6	0.18
45	64.	11.371	33.083	5.49	25.217	95.4	0.19
52	66.	11.458	33.208	5.46	25.298	95.3	0.19
68	68.	11.604	33.310	5.42	25.350	95.3	0.19
47	70.	11.549	33.375	5.42	25.411	95.0	0.20
12	71.	11.467	33.437	5.42	25.475	94.5	0.22
34	72.	11.438	33.460	5.39	25.498	94.2	0.24
25	73.	11.426	33.465	5.33	25.504	94.2	0.24
31	74.	11.428	33.465	5.34	25.503	94.3	0.23
12	75.	11.426	33.467	5.37	25.506	94.0	0.25
17	76.	11.383	33.496	5.39	25.536	93.9	0.25
23	77.	11.368	33.501	5.40	25.543	93.6	0.26
28	78.	11.363	33.500	5.40	25.542	93.4	0.27
17	79.	11.327	33.523	5.37	25.567	92.5	0.31
33	80.	11.316	33.532	5.35	25.576	92.2	0.32
17	81.	11.306	33.539	5.30	25.584	91.8	0.34
43	82.	11.309	33.538	5.33	25.582	92.1	0.33
6	83.	11.303	33.540	5.40	25.585	91.9	0.34

STA 42 DAY: 22 TIME: 2216

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
2.8	15.6	48.7	14.0
3.1	15.7	50.0	13.9
3.5	15.8	50.0	13.7
4.7	15.9	51.2	13.6
5.8	15.9	51.5	13.6
7.4	16.0	53.5	13.6
7.8	16.1	54.6	13.6
8.6	16.1	55.9	13.4
9.7	16.1	56.1	13.3
10.3	16.2	56.8	13.0
11.3	16.5	57.0	12.8
13.3	16.5	57.0	12.8
14.6	16.5	57.0	12.6
18.0	16.5	57.4	12.4
19.1	16.4	57.7	12.2
19.5	16.4	57.7	12.0
19.9	16.4	58.1	11.9
20.4	16.4	58.0	11.8
20.7	16.5	58.6	11.6
21.1	16.4	59.6	11.5
21.2	16.4	60.9	11.4
22.2	16.4	62.5	11.4
23.1	16.5	64.0	11.4
24.6	16.5	65.5	11.4
26.8	16.5	65.5	11.3
27.9	16.4	67.2	11.3
28.8	16.4	70.3	11.3
30.7	16.4	73.0	11.3
31.2	16.3	75.4	11.3
31.8	16.4	76.8	11.3
32.8	16.5	77.4	11.3
35.7	16.5		
37.7	16.5		
39.3	16.5		
40.5	16.4		
40.3	16.2		
40.8	16.1		
41.1	16.0		
41.2	15.8		
41.7	15.6		
42.6	15.5		
43.0	15.2		
43.2	15.1		
43.3	15.0		
43.9	14.8		
44.4	14.6		
44.6	14.4		
46.1	14.2		
47.4	14.1		
47.6	14.0		

STA 43 DAY: 22 TIME: 2256

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
3.1	15.3	53.7	11.4
4.5	15.3	54.0	11.2
6.6	15.3	54.9	11.0
7.7	15.3	56.3	10.9
9.4	15.4	58.2	10.8
10.0	15.3	60.2	10.8
12.1	15.4	62.4	10.7
13.6	15.4	65.4	10.7
15.9	15.5	67.2	10.7
16.6	15.6	70.0	10.7
17.1	15.7	70.6	10.7
18.2	15.7		
19.2	15.6		
20.0	15.6		
21.5	15.5		
22.7	15.5		
24.1	15.5		
25.5	15.4		
26.9	15.4		
29.5	15.3		
31.7	15.3		
33.0	15.3		
33.9	15.2		
36.6	15.2		
39.4	15.2		
41.8	15.1		
43.0	15.1		
44.2	15.0		
44.3	14.9		
44.9	14.8		
45.0	14.6		
45.2	14.4		
45.4	14.3		
45.6	14.1		
45.8	14.0		
45.8	13.8		
45.9	13.5		
46.3	13.2		
46.7	13.0		
47.1	12.8		
47.0	12.7		
47.3	12.5		
47.7	12.3		
47.9	12.1		
48.7	11.9		
48.9	11.7		
49.3	11.6		
50.3	11.4		
51.5	11.4		
52.8	11.4		

STA 44 DAY: 22 TIME: 2344

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
5.0	14.4	53.8	10.8
7.5	14.4	55.9	10.8
9.5	14.4	57.8	10.8
10.3	14.4	60.0	10.8
12.4	14.4	62.1	10.8
16.4	14.4	64.5	10.8
19.3	14.4	67.7	10.8
22.3	14.4	69.8	10.8
26.8	14.4	72.1	10.8
30.2	14.4	72.8	10.8
32.1	14.4		
34.6	14.4		
37.4	14.4		
39.5	14.4		
39.8	14.2		
39.8	14.1		
40.0	13.9		
40.4	13.8		
40.7	13.6		
40.5	13.4		
40.4	13.2		
40.8	13.1		
40.9	13.0		
40.9	12.9		
41.2	12.7		
41.0	12.6		
41.2	12.4		
41.6	12.3		
41.6	12.2		
42.0	12.1		
42.0	12.0		
42.3	11.9		
42.3	11.8		
43.2	11.8		
43.6	11.7		
43.9	11.6		
44.0	11.4		
44.3	11.4		
44.6	11.2		
45.0	11.1		
45.2	11.1		
45.6	11.0		
46.2	10.9		
46.7	10.9		
47.4	10.9		
48.3	10.9		
49.6	10.9		
50.1	11.0		
51.5	10.9		
52.6	10.8		

STA 45 DAY: 23 TIME: 0031

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
29	3.	14.841	32.790	5.75	24.303	92.7	0.30
73	4.	14.841	32.790	5.67	24.303	93.5	0.27
52	6.	14.844	32.791	5.70	24.303	93.5	0.27
69	8.	14.849	32.793	5.72	24.304	93.5	0.27
51	10.	14.853	32.793	5.71	24.303	93.6	0.27
45	12.	14.855	32.794	5.75	24.304	93.6	0.27
44	14.	14.859	32.794	5.80	24.303	93.5	0.27
50	16.	14.865	32.796	5.82	24.303	93.5	0.27
31	18.	14.879	32.802	5.78	24.305	93.6	0.27
47	20.	14.893	32.807	5.79	24.306	93.7	0.26
38	22.	14.900	32.810	5.76	24.307	93.6	0.27
79	24.	14.903	32.812	5.74	24.307	93.6	0.26
29	26.	14.929	32.826	5.72	24.312	93.6	0.27
56	28.	14.995	32.863	5.75	24.326	93.6	0.26
42	30.	15.039	32.890	5.77	24.338	93.6	0.26
62	32.	15.094	32.928	5.74	24.355	93.7	0.26
45	34.	15.103	32.932	5.68	24.357	93.9	0.25
24	36.	15.101	32.932	5.72	24.357	94.0	0.25
42	38.	15.085	32.929	5.74	24.358	94.2	0.24
26	40.	15.044	32.921	5.77	24.361	94.4	0.23
39	42.	14.829	32.877	5.75	24.373	94.8	0.21
24	44.	14.389	32.862	5.69	24.455	95.2	0.20
45	46.	13.296	32.730	5.76	24.577	96.0	0.16
20	48.	12.393	32.693	5.56	24.724	96.3	0.15
34	50.	11.671	32.642	5.58	24.819	96.1	0.16
61	52.	11.524	32.665	5.41	24.865	95.9	0.17
43	54.	11.371	32.699	5.36	24.918	94.9	0.21
55	56.	11.168	32.727	5.37	24.977	94.1	0.24
53	58.	11.047	32.751	5.35	25.017	93.3	0.28
63	60.	10.938	32.756	5.36	25.040	93.4	0.27
18	61.	10.915	32.759	5.34	25.047	93.0	0.29
37	62.	10.896	32.762	5.35	25.052	92.9	0.29
27	63.	10.838	32.767	5.34	25.066	92.9	0.30
23	64.	10.813	32.783	5.34	25.083	92.9	0.30
22	65.	10.802	32.802	5.33	25.099	92.0	0.33
31	66.	10.797	32.805	5.33	25.103	91.6	0.35
16	67.	10.779	32.818	5.32	25.116	91.2	0.37
15	68.	10.738	32.839	5.32	25.139	90.6	0.40
21	69.	10.709	32.857	5.34	25.158	89.7	0.43
32	70.	10.694	32.865	5.34	25.167	89.0	0.47
11	71.	10.680	32.872	5.32	25.175	88.1	0.51
10	72.	10.678	32.873	5.32	25.176	87.4	0.54
13	73.	10.672	32.876	5.32	25.179	87.0	0.56
28	74.	10.665	32.879	5.33	25.184	86.6	0.58
20	75.	10.660	32.882	5.33	25.187	86.0	0.60
35	76.	10.658	32.883	5.35	25.187	85.7	0.62

STA 46 DAY: 23 TIME: 0138

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
2.8	14.2	58.0	11.0
4.3	14.2	58.1	10.9
5.6	14.2	59.6	10.8
7.0	14.2	60.4	10.6
8.1	14.2	60.6	10.5
9.4	14.2	61.9	10.5
10.7	14.2	61.8	10.3
11.6	14.2	64.2	10.3
12.7	14.2	65.9	10.0
13.3	14.3	66.3	9.9
13.8	14.4	69.3	9.8
14.6	14.4	72.6	9.8
15.8	14.4	75.7	9.8
16.2	14.5	77.2	10.0
16.8	14.6	78.6	10.3
18.1	14.7	80.0	10.4
19.2	14.7	82.5	10.5
20.0	14.7	84.9	10.5
20.7	14.8	86.9	10.5
21.2	14.9		
23.0	14.9		
24.8	14.9		
26.4	14.9		
28.3	14.8		
29.5	14.8		
31.0	14.8		
32.6	14.8		
34.7	14.8		
36.6	14.8		
38.1	14.8		
38.5	14.9		
40.3	14.9		
42.4	14.9		
43.8	15.0		
45.5	15.0		
46.7	15.1		
47.7	15.1		
49.2	15.2		
50.8	15.3		
53.1	15.2		
54.1	15.1		
54.0	14.5		
54.3	14.0		
55.2	13.5		
55.8	13.0		
55.9	12.5		
56.2	12.0		
57.2	11.5		
57.3	11.2		
58.0	11.1		

STA 47 DAY: 23 TIME: 0220

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
39	2.	17.214	33.868	5.57	24.596	94.6	0.22
65	4.	17.217	33.868	5.56	24.595	94.6	0.22
59	6.	17.217	33.868	5.54	24.595	94.6	0.22
56	8.	17.217	33.868	5.53	24.595	94.6	0.22
60	10.	17.217	33.868	5.49	24.595	94.6	0.22
51	12.	17.217	33.868	5.47	24.595	94.6	0.22
80	14.	17.218	33.867	5.45	24.594	94.6	0.22
51	16.	17.216	33.867	5.46	24.595	94.6	0.22
67	18.	17.216	33.868	5.37	24.595	94.6	0.22
69	20.	17.217	33.869	5.40	24.596	94.6	0.22
51	22.	17.220	33.869	5.32	24.595	94.6	0.22
53	24.	17.215	33.868	5.36	24.596	94.6	0.22
25	26.	17.217	33.868	5.50	24.595	94.6	0.22
25	28.	17.172	33.864	5.55	24.602	94.6	0.22
41	30.	17.153	33.863	5.54	24.607	94.7	0.22
30	32.	17.090	33.857	5.52	24.617	94.9	0.21
69	34.	16.935	33.829	5.47	24.632	95.3	0.19
33	36.	16.582	33.811	5.42	24.701	95.8	0.17
30	38.	16.359	33.819	5.45	24.758	95.9	0.17
48	40.	15.819	33.881	5.47	24.928	96.0	0.16
56	42.	15.314	33.925	5.45	25.075	96.0	0.16
33	44.	14.685	33.896	5.47	25.190	96.0	0.16
53	46.	13.358	33.710	5.54	25.322	96.3	0.15
46	48.	12.865	33.730	5.52	25.436	96.4	0.15
63	50.	11.755	33.588	5.66	25.539	96.6	0.14
64	52.	11.513	33.583	5.58	25.580	96.7	0.13
47	54.	11.633	33.723	5.46	25.666	96.8	0.13
73	56.	11.672	33.752	5.49	25.682	96.8	0.13
56	58.	11.377	33.705	5.46	25.699	96.4	0.15
62	60.	11.257	33.697	5.46	25.715	96.1	0.16
53	62.	11.168	33.684	5.45	25.721	96.0	0.16
60	64.	10.579	33.585	5.47	25.749	93.9	0.25
34	66.	10.535	33.609	5.38	25.775	92.3	0.32
64	68.	10.578	33.641	5.38	25.792	91.9	0.34
61	70.	10.612	33.659	5.30	25.800	92.4	0.32
73	72.	10.749	33.706	5.28	25.813	92.8	0.30
37	74.	10.869	33.731	5.25	25.811	93.5	0.27
75	76.	11.091	33.798	5.26	25.823	94.1	0.24
63	78.	11.427	33.905	5.24	25.846	95.6	0.18
36	80.	11.533	34.004	5.22	25.903	96.2	0.15
49	82.	11.340	33.981	5.31	25.921	95.9	0.17
28	84.	11.763	34.139	5.19	25.966	95.8	0.17
26	86.	11.739	34.213	5.22	26.028	95.6	0.18
63	88.	11.614	34.191	5.20	26.034	94.4	0.23
26	90.	11.574	34.199	5.09	26.047	92.8	0.30
8	91.	11.573	34.200	5.08	26.049	92.5	0.31
22	92.	11.573	34.201	5.09	26.049	92.6	0.31
53	93.	11.574	34.202	5.10	26.050	92.9	0.30
27	94.	11.573	34.203	5.06	26.051	92.9	0.30
23	95.	11.570	34.206	5.05	26.053	92.7	0.30
20	96.	11.567	34.206	5.05	26.054	92.4	0.32
29	97.	11.567	34.206	5.07	26.054	92.3	0.32
23	98.	11.567	34.206	5.10	26.054	92.1	0.33

STA 48 DAY: 23 TIME: 0315

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
22	3.	17.446	33.938	5.39	24.594	94.2	0.24
68	4.	17.462	33.936	5.49	24.588	94.3	0.24
75	6.	17.461	33.936	5.45	24.589	94.7	0.22
67	8.	17.457	33.937	5.41	24.590	94.7	0.22
78	10.	17.464	33.936	5.46	24.588	94.7	0.22
48	12.	17.465	33.935	5.51	24.588	94.7	0.22
74	14.	17.467	33.936	5.56	24.587	94.7	0.22
61	16.	17.468	33.935	5.56	24.587	94.7	0.22
64	18.	17.468	33.935	5.60	24.587	94.8	0.21
52	20.	17.468	33.935	5.60	24.586	94.8	0.21
70	22.	17.468	33.934	5.60	24.586	94.8	0.22
56	24.	17.463	33.935	5.60	24.588	94.7	0.22
63	26.	17.461	33.936	5.58	24.589	94.7	0.22
61	28.	17.460	33.937	5.57	24.590	94.7	0.22
56	30.	17.449	33.938	5.58	24.594	94.7	0.22
46	32.	17.409	33.948	5.58	24.610	94.7	0.22
66	34.	17.341	33.967	5.56	24.642	94.5	0.23
54	36.	17.202	33.975	5.53	24.680	94.4	0.23
37	38.	17.156	34.015	5.51	24.722	94.4	0.23
74	40.	17.189	34.074	5.38	24.759	95.1	0.20
41	42.	16.118	33.979	5.47	24.936	95.6	0.18
64	44.	15.451	34.035	5.48	25.129	95.8	0.17
47	46.	14.635	34.051	5.53	25.320	96.1	0.16
62	48.	14.148	34.086	5.55	25.450	96.3	0.15
50	50.	14.087	34.109	5.48	25.481	96.3	0.15
57	52.	13.656	34.078	5.50	25.547	96.4	0.15
50	54.	13.113	33.981	5.52	25.582	96.5	0.14
59	56.	12.815	33.993	5.51	25.650	96.6	0.14
56	58.	11.488	33.746	5.61	25.711	96.6	0.14
64	60.	11.332	33.896	5.45	25.856	96.6	0.14
55	62.	11.009	33.873	5.40	25.897	96.6	0.14
54	64.	10.901	33.901	5.34	25.938	96.3	0.15
48	66.	10.947	33.976	5.26	25.988	95.9	0.17
57	68.	11.098	34.042	5.21	26.013	95.3	0.19
36	70.	11.051	34.046	5.17	26.024	95.3	0.19
58	72.	11.006	34.046	5.16	26.032	95.4	0.19
52	74.	10.978	34.048	5.12	26.039	95.5	0.18
34	76.	10.999	34.080	5.10	26.059	95.7	0.18
65	78.	11.236	34.152	5.10	26.073	96.2	0.15
30	80.	11.829	34.326	4.94	26.098	96.9	0.13
53	82.	13.074	34.803	4.77	26.226	97.5	0.10
46	84.	14.224	35.136	4.62	26.246	97.8	0.09
53	86.	14.411	35.186	4.52	26.244	97.9	0.08
69	88.	14.598	35.268	4.37	26.267	98.0	0.08
59	90.	14.603	35.289	4.31	26.282	98.0	0.08
46	92.	14.418	35.251	4.32	26.293	98.0	0.08
66	94.	14.223	35.211	4.35	26.304	98.0	0.08
55	96.	13.923	35.167	4.38	26.333	98.0	0.08
45	98.	13.811	35.168	4.39	26.357	98.0	0.08

STA 48 DAY: 23 TIME: 0315

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
64	100.	13.467	35.087	4.45	26.366	98.0	0.08
52	102.	13.193	35.046	4.46	26.390	98.0	0.08
39	104.	12.805	34.975	4.52	26.413	98.0	0.08
66	106.	12.517	34.934	4.54	26.438	97.9	0.08
31	108.	12.278	34.923	4.50	26.476	97.7	0.09
71	110.	12.135	34.911	4.53	26.494	97.7	0.09
37	112.	12.064	34.928	4.49	26.521	97.6	0.10
55	114.	12.067	34.949	4.51	26.538	97.4	0.11
34	116.	12.087	34.959	4.47	26.541	97.3	0.11
42	118.	12.057	34.955	4.46	26.544	97.2	0.11
52	120.	12.053	34.960	4.43	26.548	97.1	0.12
52	122.	12.070	34.972	4.39	26.555	96.8	0.13
65	124.	12.087	34.982	4.40	26.559	95.9	0.17
54	126.	12.097	34.987	4.37	26.561	95.5	0.18
65	128.	12.108	34.994	4.36	26.564	94.7	0.22
60	130.	12.120	34.999	4.33	26.566	94.3	0.23
10	131.	12.125	35.000	4.32	26.566	94.2	0.24
28	132.	12.126	35.002	4.31	26.567	94.2	0.24
38	133.	12.128	35.004	4.32	26.568	94.2	0.24
32	134.	12.130	35.004	4.28	26.568	94.2	0.24
28	135.	12.130	35.004	4.27	26.568	94.2	0.24
19	136.	12.133	35.007	4.27	26.570	94.2	0.24
23	137.	12.134	35.008	4.28	26.570	94.2	0.24
41	138.	12.134	35.008	4.31	26.570	94.2	0.24
20	139.	12.135	35.009	4.29	26.571	94.2	0.24
23	140.	12.137	35.011	4.30	26.572	94.2	0.24
55	141.	12.139	35.012	4.31	26.572	94.1	0.24
19	142.	12.142	35.012	4.25	26.571	94.1	0.24

STA 49 DAY: 23 TIME: 0415

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
13	1.	16.565	33.632	5.64	24.567	94.3	0.23
50	2.	16.569	33.651	5.68	24.581	94.3	0.23
46	4.	16.570	33.655	5.65	24.583	94.0	0.25
52	6.	16.565	33.653	5.60	24.583	94.2	0.24
55	8.	16.585	33.660	5.52	24.584	94.2	0.24
49	10.	16.607	33.669	5.42	24.586	94.2	0.24
58	12.	16.601	33.666	5.42	24.585	94.2	0.24
38	14.	16.592	33.664	5.42	24.586	94.1	0.24
45	16.	16.604	33.671	5.46	24.588	94.1	0.25
28	18.	16.619	33.677	5.49	24.589	94.1	0.25
17	20.	16.653	33.692	5.55	24.592	94.1	0.24
30	22.	16.677	33.716	5.56	24.606	94.2	0.24
26	24.	16.695	33.746	5.52	24.624	94.4	0.23
58	26.	16.717	33.772	5.50	24.639	94.7	0.22
53	28.	16.654	33.774	5.35	24.655	95.0	0.21
47	30.	16.519	33.797	5.32	24.705	95.7	0.18
44	32.	16.428	33.882	5.30	24.791	96.4	0.15
50	34.	16.031	33.995	5.28	24.969	97.0	0.12
33	36.	15.783	34.107	5.17	25.111	97.1	0.12
39	38.	15.522	34.160	5.17	25.210	97.2	0.11
70	40.	15.358	34.181	5.09	25.263	97.2	0.11
46	42.	14.418	33.961	5.16	25.297	97.1	0.12
39	44.	13.039	33.797	5.39	25.454	97.1	0.12
47	46.	13.113	33.902	5.34	25.520	97.1	0.12
24	48.	13.522	34.047	5.27	25.550	97.2	0.11
19	50.	13.660	34.104	5.25	25.566	97.3	0.11
19	52.	13.789	34.162	5.22	25.584	97.3	0.11
22	54.	13.577	34.178	5.24	25.640	97.3	0.11
23	56.	11.381	33.729	5.59	25.717	97.2	0.11
41	58.	10.043	33.413	5.64	25.706	97.1	0.12
20	60.	10.392	33.621	5.41	25.809	97.1	0.12
42	62.	9.990	33.599	5.50	25.860	97.2	0.12
73	64.	9.652	33.566	5.54	25.891	97.1	0.12
25	66.	9.581	33.591	5.48	25.922	97.1	0.12
22	68.	9.219	33.543	5.52	25.943	97.2	0.11
40	70.	9.425	33.634	5.47	25.981	97.3	0.11
32	72.	11.322	34.146	5.15	26.052	97.3	0.11
42	74.	11.511	34.190	5.20	26.052	97.5	0.10
20	76.	11.274	34.158	5.12	26.071	97.5	0.10
25	78.	11.425	34.238	5.05	26.105	97.5	0.10
58	80.	11.098	34.177	5.07	26.118	97.5	0.10
45	82.	9.862	33.895	5.22	26.113	97.5	0.10
57	84.	9.355	33.861	5.29	26.170	97.5	0.10
60	86.	9.758	34.050	5.17	26.251	97.5	0.10
49	88.	10.301	34.201	5.09	26.277	97.6	0.10
38	90.	10.219	34.170	5.11	26.267	97.6	0.10
35	92.	9.820	34.096	5.14	26.276	97.6	0.10
29	94.	9.698	34.111	5.12	26.309	97.7	0.09
66	96.	9.725	34.135	5.14	26.323	97.7	0.09
55	98.	10.092	34.283	5.06	26.377	97.7	0.09

STA 49 DAY: 23 TIME: 0415

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
22	100.	11.194	34.575	4.82	26.410	97.7	0.09
71	102.	11.850	34.781	4.72	26.448	97.8	0.09
33	104.	12.388	34.943	4.54	26.471	97.9	0.09
24	106.	13.161	35.150	4.43	26.477	98.0	0.08
43	108.	13.105	35.159	4.43	26.495	98.0	0.08
21	110.	12.799	35.108	4.39	26.518	98.0	0.08
40	112.	12.652	35.100	4.43	26.540	98.0	0.08
58	114.	12.624	35.102	4.42	26.548	98.0	0.08
31	116.	13.117	35.275	4.34	26.583	98.1	0.08
74	118.	13.373	35.369	4.32	26.603	98.2	0.07
63	120.	13.211	35.334	4.25	26.610	98.1	0.08
39	122.	13.036	35.309	4.22	26.626	98.0	0.08
67	124.	12.854	35.280	4.25	26.640	98.0	0.08
57	126.	12.614	35.239	4.27	26.656	97.8	0.09
28	128.	12.406	35.228	4.28	26.688	97.4	0.10
45	130.	12.268	35.212	4.29	26.703	97.2	0.12
22	132.	12.248	35.214	4.24	26.708	97.0	0.12
46	134.	12.175	35.213	4.25	26.722	97.0	0.12
53	136.	12.129	35.217	4.23	26.733	97.3	0.11
29	138.	12.108	35.219	4.23	26.739	97.3	0.11
25	140.	12.093	35.219	4.24	26.742	97.5	0.10
60	142.	12.084	35.225	4.25	26.749	97.6	0.10
22	144.	12.102	35.243	4.19	26.759	97.6	0.10
23	146.	12.118	35.258	4.19	26.768	97.7	0.09
50	148.	12.123	35.272	4.20	26.777	97.7	0.09
29	150.	12.082	35.279	4.16	26.791	97.7	0.09
27	152.	12.031	35.276	4.18	26.798	97.7	0.09
45	154.	11.990	35.271	4.18	26.802	97.5	0.10
17	156.	11.965	35.278	4.14	26.812	97.3	0.11
19	158.	11.951	35.282	4.13	26.818	97.3	0.11
36	160.	11.919	35.289	4.13	26.830	97.3	0.11
25	162.	11.901	35.294	4.08	26.837	97.3	0.11
31	164.	11.884	35.296	4.07	26.842	97.3	0.11
59	166.	11.856	35.301	4.00	26.851	97.5	0.10
26	168.	11.830	35.315	3.95	26.867	97.5	0.10
57	170.	11.834	35.324	3.95	26.873	97.7	0.09
33	172.	11.847	35.331	3.88	26.876	97.7	0.09
39	174.	11.846	35.330	3.90	26.876	97.7	0.09
42	176.	11.846	35.334	3.94	26.879	97.7	0.09
21	178.	11.847	35.336	3.96	26.880	97.7	0.09
22	180.	11.840	35.341	3.96	26.885	97.7	0.09
48	182.	11.824	35.344	3.91	26.891	97.7	0.09
30	184.	11.782	35.368	3.85	26.917	97.8	0.09
51	186.	11.711	35.365	3.84	26.928	97.8	0.09
84	188.	11.672	35.367	3.76	26.937	97.8	0.09
33	190.	11.603	35.368	3.71	26.951	97.8	0.09
27	192.	11.552	35.363	3.69	26.957	97.8	0.09
38	194.	11.549	35.360	3.73	26.955	97.8	0.09
50	196.	11.555	35.360	3.74	26.954	97.8	0.09
57	198.	11.543	35.362	3.72	26.957	97.8	0.09

STA 49 DAY: 23 TIME: 0415

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
87	200.	11.534	35.363	3.70	26.960	97.8	0.09
13	201.	11.521	35.362	3.65	26.962	97.8	0.09
42	202.	11.523	35.363	3.68	26.962	97.8	0.09
20	203.	11.525	35.362	3.71	26.961	97.8	0.09
21	204.	11.520	35.361	3.71	26.961	97.8	0.09
32	205.	11.524	35.362	3.74	26.961	97.8	0.09
11	206.	11.524	35.361	3.73	26.961	97.8	0.09
10	207.	11.526	35.361	3.73	26.960	97.8	0.09
17	208.	11.523	35.362	3.74	26.962	97.8	0.09
26	209.	11.490	35.361	3.71	26.967	97.8	0.09
57	210.	11.484	35.361	3.71	26.968	97.8	0.09
47	211.	11.488	35.360	3.65	26.967	97.8	0.09
28	212.	11.491	35.360	3.66	26.966	97.8	0.09
21	213.	11.498	35.359	3.73	26.964	97.8	0.09

STA 50 DAY: 23 TIME: 1050

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.1	17.1	68.4	8.8	164.1	11.9	272.5	9.1	398.5	6.7
2.5	17.1	70.8	8.8	165.5	11.9	274.8	9.0	401.3	6.6
4.5	17.2	73.2	8.9	166.9	11.9	277.0	9.0	403.9	6.5
5.6	17.3	75.1	9.1	169.0	11.9	280.3	8.9	405.5	6.5
7.0	17.4	76.9	9.4	170.3	11.9	282.6	8.9	407.2	6.4
8.8	17.4	79.3	9.5	172.6	11.8	286.2	8.8	409.0	6.4
10.1	17.4	81.2	9.7	174.1	11.8	289.2	8.7	411.2	6.3
11.9	17.4	83.3	9.8	175.4	11.8	292.3	8.7	414.6	6.3
12.7	17.4	87.3	9.9	177.3	11.7	294.7	8.6	416.8	6.3
14.6	17.4	89.3	9.9	179.1	11.7	296.3	8.6	418.2	6.3
16.8	17.4	91.1	10.0	181.1	11.7	300.4	8.5	421.1	6.2
19.3	17.4	92.8	10.1	182.5	11.6	303.2	8.5	424.1	6.2
21.7	17.4	94.2	10.0	184.0	11.6	306.3	8.4	427.1	6.2
23.8	17.4	96.7	9.9	185.1	11.5	310.3	8.4	429.6	6.1
25.9	17.4	98.2	9.9	187.4	11.5	313.3	8.4	431.6	6.0
27.5	17.5	100.2	10.4	189.0	11.4	316.1	8.3	434.3	6.0
27.8	17.7	101.7	11.0	190.7	11.3	319.1	8.3	437.6	5.9
28.4	17.9	105.3	11.0	191.9	11.3	321.7	8.2	440.0	5.9
29.3	18.2	106.2	11.4	194.1	11.2	323.6	8.2	442.5	5.9
30.3	18.2	107.0	12.0	195.4	11.1	325.8	8.1	444.5	5.8
31.5	18.1	108.9	12.1	195.8	11.0	327.9	8.1	446.4	5.8
32.2	17.6	109.9	12.4	197.7	10.9	330.2	8.0	449.4	5.8
33.2	17.1	111.9	13.0	199.4	10.9	332.7	8.0	450.9	5.8
33.3	16.6	112.7	13.0	200.9	10.8	335.1	7.9	452.8	5.7
34.5	16.1	114.5	13.0	203.5	10.8	337.3	7.9	455.5	5.7
35.6	15.6	116.4	12.9	206.1	10.7	338.8	7.8	458.1	5.7
35.4	15.0	117.9	13.0	207.9	10.7	339.6	7.8	460.9	5.7
36.0	14.5	119.7	13.0	209.4	10.6	341.5	7.7	463.1	5.6
36.5	14.0	122.3	13.0	210.1	10.5	344.2	7.7	465.0	5.6
37.6	13.4	123.7	12.9	212.0	10.4	346.5	7.6	467.5	5.6
38.3	13.0	124.9	12.8	215.2	10.4	348.2	7.5	469.7	5.6
39.7	12.5	126.3	12.7	217.7	10.3	349.3	7.4	471.7	5.6
41.9	12.0	128.4	12.7	219.8	10.2	351.1	7.3	473.8	5.5
43.8	11.4	130.9	12.7	222.8	10.1	353.3	7.3	476.1	5.5
44.3	11.0	132.5	12.6	225.9	10.1	355.5	7.3	478.4	5.5
45.4	10.6	134.9	12.6	228.5	10.0	357.8	7.2	480.6	5.5
46.3	10.5	137.4	12.5	231.2	9.9	360.3	7.2	483.4	5.5
46.5	10.5	141.4	12.5	233.8	9.9	362.5	7.2	485.0	5.5
47.7	10.0	144.3	12.5	236.6	9.8	365.4	7.1	487.4	5.5
48.7	9.8	146.0	12.4	239.1	9.8	367.3	7.0	488.6	5.5
51.8	9.8	147.5	12.4	243.1	9.7	369.3	6.9	489.7	5.4
55.5	9.9	148.7	12.3	245.5	9.6	372.2	6.9	491.9	5.4
57.2	9.7	149.9	12.3	248.7	9.6	375.5	6.8	493.7	5.4
58.6	9.5	151.7	12.2	251.9	9.5	378.0	6.8	497.0	5.3
59.9	9.4	153.9	12.2	255.3	9.5	380.3	6.7	499.6	5.3
61.7	9.1	156.5	12.2	258.6	9.4	384.1	6.7	501.6	5.3
62.0	9.0	158.4	12.1	262.1	9.3	387.1	6.7	504.3	5.3
63.2	8.8	159.6	12.1	264.7	9.3	387.5	6.7	506.5	5.3
64.6	8.7	160.7	12.0	268.7	9.2	390.5	6.7	507.5	5.2
66.1	8.8	162.2	12.0	270.8	9.1	395.5	6.7	509.5	5.2

STA 50 DAY: 23 TIME: 1050

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
511.3	5.2	620.8	4.8	737.2	4.5
513.1	5.2	622.3	4.7	739.9	4.5
515.6	5.2	624.3	4.7	742.3	4.4
518.2	5.2	627.3	4.7	745.0	4.4
519.8	5.1	629.8	4.7	747.2	4.4
522.7	5.1	631.9	4.7	750.3	4.4
525.7	5.1	634.8	4.7	752.0	4.4
527.3	5.1	637.0	4.7	753.1	4.4
529.8	5.1	638.5	4.7	754.7	4.4
531.8	5.1	640.9	4.7	756.2	4.4
533.1	5.1	643.4	4.7	758.0	4.4
535.4	5.1	646.0	4.7	759.5	4.4
538.2	5.1	648.2	4.6	761.5	4.4
540.4	5.1	649.8	4.6		
542.9	5.1	653.3	4.6		
545.2	5.1	655.9	4.6		
546.9	5.0	655.8	4.7		
549.0	5.0	658.4	4.7		
551.0	5.0	661.1	4.6		
552.0	5.0	663.7	4.6		
552.6	5.0	666.7	4.6		
554.8	5.0	669.7	4.6		
557.6	5.0	672.5	4.6		
560.1	5.0	674.8	4.6		
562.5	5.0	676.8	4.6		
565.4	5.0	678.5	4.6		
567.9	5.0	680.4	4.6		
570.3	5.0	682.7	4.6		
572.7	5.0	684.6	4.6		
574.1	5.0	686.3	4.6		
576.4	4.9	688.1	4.6		
578.7	4.9	690.0	4.6		
581.0	4.9	691.9	4.6		
583.6	4.9	695.6	4.6		
586.4	4.9	698.0	4.5		
588.3	4.9	701.2	4.5		
590.8	4.9	702.3	4.5		
593.7	4.9	705.1	4.5		
595.3	4.9	707.6	4.5		
597.0	4.8	709.8	4.5		
598.8	4.8	712.8	4.5		
601.3	4.8	715.5	4.5		
603.2	4.8	717.4	4.5		
605.9	4.8	721.7	4.5		
607.8	4.8	724.4	4.5		
609.8	4.8	726.3	4.5		
611.8	4.8	727.9	4.5		
614.5	4.8	731.2	4.5		
616.3	4.8	733.2	4.5		
618.5	4.8	735.3	4.5		

STA 51 DAY: 23 TIME: 0600

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
9	1.	17.459	33.786	5.45	24.475	94.3	0.23
47	2.	17.460	33.786	5.46	24.475	94.3	0.23
47	4.	17.456	33.786	5.49	24.475	94.3	0.23
65	6.	17.456	33.787	5.48	24.476	94.3	0.23
83	8.	17.467	33.790	5.37	24.476	94.3	0.23
37	10.	17.488	33.795	5.28	24.474	94.3	0.23
45	12.	17.489	33.794	5.35	24.473	94.3	0.23
74	14.	17.498	33.798	5.37	24.474	93.7	0.26
44	16.	17.515	33.803	5.33	24.474	93.2	0.28
34	18.	17.715	33.902	5.34	24.502	93.5	0.27
59	20.	18.049	34.074	5.32	24.552	94.5	0.23
26	22.	18.685	34.362	5.21	24.614	95.2	0.20
51	24.	19.470	34.819	5.11	24.764	96.2	0.16
29	26.	19.745	34.917	5.01	24.767	96.7	0.14
64	28.	19.743	34.915	4.98	24.766	96.6	0.14
42	30.	19.758	34.918	4.92	24.764	96.8	0.13
36	32.	19.779	34.927	4.96	24.765	96.9	0.13
69	34.	19.789	34.933	4.91	24.767	97.0	0.12
24	36.	19.859	34.964	4.90	24.773	97.0	0.12
22	38.	19.919	35.002	4.97	24.786	97.1	0.12
42	40.	19.419	34.920	5.07	24.854	97.1	0.12
22	42.	18.449	34.798	5.12	25.007	97.1	0.12
19	44.	17.390	34.697	5.25	25.189	97.0	0.12
36	46.	15.753	34.425	5.41	25.362	96.8	0.13
16	48.	14.734	34.384	5.40	25.556	96.9	0.12
25	50.	14.256	34.320	5.41	25.609	97.1	0.12
81	52.	14.063	34.315	5.31	25.645	97.3	0.11
29	54.	14.127	34.386	5.20	25.687	97.3	0.11
63	56.	13.838	34.384	5.23	25.746	97.3	0.11
39	58.	13.612	34.349	5.19	25.765	97.4	0.11
30	60.	13.850	34.518	5.09	25.847	97.5	0.10
47	62.	13.922	34.650	5.07	25.933	97.5	0.10
52	64.	13.739	34.722	4.98	26.028	97.7	0.09
27	66.	13.666	34.765	4.93	26.076	97.8	0.09
22	68.	13.622	34.779	4.86	26.096	97.8	0.09
36	70.	13.602	34.785	4.82	26.104	97.8	0.09
23	72.	13.573	34.882	4.77	26.185	97.9	0.08
52	74.	13.656	35.010	4.72	26.267	98.0	0.08
27	76.	13.730	35.069	4.57	26.298	98.0	0.08
37	78.	13.745	35.077	4.52	26.301	98.0	0.08
43	80.	13.685	35.066	4.50	26.305	98.1	0.08
25	82.	13.585	35.111	4.47	26.360	98.2	0.07
64	84.	13.534	35.129	4.45	26.384	98.2	0.07
31	86.	13.352	35.105	4.43	26.403	98.2	0.07
31	88.	13.133	35.066	4.44	26.418	98.2	0.07
82	90.	12.895	35.048	4.45	26.452	98.2	0.07
30	92.	12.583	35.003	4.41	26.479	98.0	0.08
17	94.	12.526	35.007	4.42	26.493	98.0	0.08
37	96.	12.639	35.058	4.42	26.510	98.0	0.08
28	98.	12.847	35.149	4.40	26.540	98.2	0.07

STA 51 DAY: 23 TIME: 0600

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
60	100.	12.910	35.183	4.40	26.554	98.2	0.07
49	102.	12.916	35.232	4.36	26.590	98.3	0.07
31	104.	12.899	35.252	4.32	26.609	98.3	0.07
23	106.	12.815	35.266	4.28	26.637	98.3	0.07
42	108.	12.809	35.292	4.27	26.658	98.3	0.07
30	110.	12.797	35.307	4.24	26.672	98.3	0.07
22	112.	12.814	35.331	4.22	26.688	98.3	0.07
40	114.	12.543	35.282	4.24	26.703	98.3	0.07
61	116.	12.388	35.269	4.20	26.724	98.3	0.07
36	118.	12.326	35.273	4.15	26.738	98.3	0.07
22	120.	12.238	35.280	4.17	26.761	98.3	0.07
46	122.	12.188	35.281	4.17	26.772	98.3	0.07
19	124.	12.169	35.284	4.14	26.778	98.3	0.07
15	126.	12.245	35.311	4.10	26.784	98.3	0.07
37	128.	12.179	35.307	4.11	26.794	98.3	0.07
29	130.	12.183	35.319	4.08	26.802	98.3	0.07
32	132.	12.094	35.307	4.08	26.811	98.3	0.07
84	134.	11.957	35.288	4.06	26.822	98.3	0.07
29	136.	11.910	35.291	3.98	26.833	98.3	0.07
29	138.	11.831	35.286	3.99	26.844	98.3	0.07
48	140.	11.687	35.274	4.02	26.862	98.2	0.07
44	142.	11.652	35.280	3.98	26.873	98.2	0.07
23	144.	11.568	35.285	3.95	26.893	98.2	0.07
33	146.	11.650	35.318	3.94	26.904	98.2	0.07
30	148.	11.743	35.348	3.88	26.909	98.3	0.07
34	150.	11.752	35.354	3.84	26.912	98.3	0.07
43	152.	11.703	35.352	3.84	26.920	98.3	0.07
23	154.	11.519	35.331	3.82	26.938	98.3	0.07
41	156.	11.480	35.324	3.81	26.940	98.3	0.07
46	158.	11.326	35.299	3.82	26.949	98.2	0.07
48	160.	11.282	35.290	3.82	26.951	98.2	0.07
43	162.	11.257	35.293	3.81	26.958	98.2	0.07
67	164.	11.299	35.317	3.80	26.968	98.2	0.07
48	166.	11.358	35.346	3.76	26.979	98.2	0.07
26	168.	11.314	35.346	3.72	26.988	98.2	0.07
31	170.	11.271	35.353	3.71	27.001	98.3	0.07
24	172.	11.230	35.356	3.68	27.012	98.3	0.07
19	174.	11.131	35.349	3.68	27.024	98.3	0.07
44	176.	11.154	35.359	3.64	27.028	98.3	0.07
24	178.	11.192	35.375	3.55	27.033	98.3	0.07
23	180.	11.223	35.391	3.55	27.040	98.2	0.07
40	182.	11.109	35.372	3.54	27.046	98.2	0.07
19	184.	10.982	35.366	3.50	27.065	98.2	0.07
19	186.	10.896	35.357	3.49	27.073	98.2	0.07
48	188.	10.889	35.354	3.51	27.072	98.2	0.07
21	190.	10.880	35.354	3.48	27.074	98.2	0.07
14	192.	10.873	35.353	3.48	27.074	98.2	0.07
19	194.	10.839	35.353	3.48	27.080	98.2	0.07
35	196.	10.805	35.349	3.50	27.083	98.2	0.07
32	198.	10.675	35.338	3.51	27.098	98.2	0.07

STA 51 DAY: 23 TIME: 0600

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
59	200.	10.633	35.337	3.50	27.105	98.2	0.07
42	202.	10.625	35.338	3.44	27.107	98.2	0.07
36	204.	10.583	35.335	3.43	27.112	98.2	0.07
36	206.	10.371	35.311	3.44	27.131	98.3	0.07
38	208.	10.302	35.303	3.45	27.136	98.3	0.07
40	210.	10.227	35.294	3.46	27.143	98.3	0.07
49	212.	10.141	35.284	3.46	27.150	98.3	0.07
47	214.	10.088	35.279	3.47	27.156	98.3	0.07
57	216.	10.055	35.277	3.45	27.159	98.3	0.07
42	218.	9.998	35.270	3.45	27.164	98.3	0.07
67	220.	9.947	35.264	3.46	27.167	98.3	0.07
43	222.	9.872	35.255	3.44	27.173	98.3	0.07
44	224.	9.827	35.253	3.44	27.180	98.3	0.07
52	226.	9.822	35.253	3.47	27.181	98.3	0.07
60	228.	9.814	35.252	3.45	27.181	98.3	0.07
43	230.	9.788	35.249	3.45	27.183	98.3	0.07
33	232.	9.749	35.244	3.43	27.186	98.3	0.07
76	234.	9.718	35.240	3.47	27.188	98.3	0.07
28	236.	9.671	35.235	3.44	27.192	98.3	0.07
18	238.	9.623	35.233	3.43	27.198	98.3	0.07
21	240.	9.524	35.224	3.45	27.208	98.3	0.07
33	242.	9.477	35.216	3.50	27.209	98.3	0.07
19	244.	9.411	35.211	3.53	27.216	98.3	0.07
42	246.	9.382	35.206	3.53	27.217	98.3	0.07
41	248.	9.357	35.203	3.52	27.219	98.3	0.07
67	250.	9.328	35.199	3.53	27.221	98.3	0.07
35	252.	9.298	35.196	3.50	27.224	98.3	0.07
42	254.	9.257	35.191	3.50	27.227	98.3	0.07
39	256.	9.224	35.190	3.53	27.231	98.3	0.07
45	258.	9.202	35.190	3.55	27.235	98.3	0.07
53	260.	9.140	35.181	3.57	27.238	98.3	0.07
48	262.	9.030	35.171	3.59	27.248	98.3	0.07
45	264.	8.996	35.168	3.60	27.251	98.3	0.07
43	266.	8.965	35.166	3.60	27.254	98.3	0.07
65	268.	8.940	35.163	3.61	27.256	98.3	0.07
43	270.	8.908	35.162	3.60	27.260	98.3	0.07
29	272.	8.877	35.160	3.60	27.264	98.3	0.07
44	274.	8.856	35.159	3.61	27.266	98.3	0.07
21	276.	8.836	35.160	3.64	27.270	98.3	0.07
17	278.	8.802	35.159	3.62	27.275	98.3	0.07
34	280.	8.754	35.155	3.67	27.279	98.3	0.07
21	282.	8.715	35.154	3.70	27.285	98.3	0.07
36	284.	8.661	35.150	3.71	27.290	98.3	0.07
25	286.	8.647	35.150	3.75	27.292	98.3	0.07
52	288.	8.628	35.148	3.76	27.294	98.3	0.07
19	290.	8.616	35.149	3.76	27.296	98.3	0.07
16	292.	8.586	35.149	3.76	27.301	98.3	0.07
23	294.	8.524	35.144	3.76	27.307	98.3	0.07
40	296.	8.497	35.140	3.79	27.308	98.4	0.06
25	298.	8.481	35.140	3.81	27.311	98.4	0.06

STA 51 DAY: 23 TIME: 0600

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
19	300.	8.453	35.139	3.82	27.314	98.4	0.07
33	302.	8.407	35.133	3.83	27.317	98.4	0.06
18	304.	8.332	35.124	3.85	27.321	98.3	0.07
30	306.	8.265	35.116	3.85	27.325	98.3	0.07
48	308.	8.220	35.109	3.88	27.326	98.3	0.07
23	310.	8.155	35.104	3.88	27.333	98.3	0.07
26	312.	8.107	35.099	3.90	27.336	98.3	0.07
31	314.	8.079	35.096	3.94	27.338	98.3	0.07
17	316.	8.064	35.102	3.98	27.345	98.3	0.07
29	318.	8.048	35.108	3.99	27.352	98.3	0.07
25	320.	8.018	35.106	4.02	27.355	98.3	0.07
18	322.	7.962	35.103	4.00	27.361	98.3	0.07
29	324.	7.946	35.103	4.02	27.363	98.3	0.07
15	326.	7.926	35.104	4.05	27.367	98.3	0.07
17	328.	7.868	35.103	4.06	27.375	98.3	0.07
31	330.	7.809	35.096	4.09	27.378	98.4	0.07
19	332.	7.770	35.097	4.11	27.384	98.3	0.07
35	334.	7.750	35.096	4.12	27.387	98.5	0.06
34	336.	7.733	35.096	4.14	27.390	98.5	0.06
37	338.	7.723	35.097	4.14	27.391	98.5	0.06
62	340.	7.667	35.093	4.16	27.397	98.5	0.06
51	342.	7.618	35.092	4.18	27.403	98.5	0.06
31	344.	7.578	35.091	4.16	27.408	98.5	0.06
55	346.	7.553	35.091	4.19	27.412	98.5	0.06
32	348.	7.526	35.090	4.23	27.415	98.5	0.06
57	350.	7.415	35.078	4.26	27.422	98.5	0.06
44	352.	7.364	35.080	4.29	27.430	98.5	0.06
32	354.	7.348	35.079	4.30	27.432	98.5	0.06
56	356.	7.334	35.078	4.32	27.434	98.5	0.06
43	358.	7.322	35.077	4.32	27.435	98.5	0.06
28	360.	7.299	35.076	4.33	27.437	98.5	0.06
73	362.	7.283	35.075	4.34	27.438	98.5	0.06
31	364.	7.257	35.073	4.32	27.440	98.5	0.06
47	366.	7.188	35.066	4.35	27.444	98.5	0.06
66	368.	7.117	35.063	4.40	27.452	98.5	0.06
43	370.	7.074	35.060	4.39	27.456	98.5	0.06
29	372.	7.029	35.062	4.36	27.464	98.5	0.06
70	374.	7.018	35.062	4.43	27.465	98.5	0.06
58	376.	7.000	35.062	4.47	27.468	98.5	0.06
39	378.	6.972	35.061	4.47	27.471	98.5	0.06
24	380.	6.932	35.059	4.49	27.475	98.5	0.06
41	382.	6.905	35.057	4.50	27.477	98.5	0.06
17	384.	6.896	35.057	4.52	27.478	98.5	0.06
17	386.	6.890	35.056	4.53	27.479	98.5	0.06
27	388.	6.877	35.055	4.54	27.480	98.5	0.06
41	390.	6.872	35.055	4.56	27.480	98.5	0.06
37	392.	6.863	35.054	4.55	27.481	98.5	0.06
63	394.	6.848	35.053	4.57	27.482	98.5	0.06
27	396.	6.822	35.052	4.56	27.485	98.5	0.06
51	398.	6.746	35.048	4.57	27.492	98.5	0.06

STA 51 DAY: 23 TIME: 0600

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
38	400.	6.724	35.047	4.60	27.494	98.5	0.06
22	402.	6.655	35.045	4.59	27.502	98.5	0.06
25	404.	6.617	35.043	4.61	27.506	98.5	0.06
50	406.	6.586	35.040	4.65	27.508	98.5	0.06
25	408.	6.569	35.040	4.64	27.510	98.5	0.06
31	410.	6.552	35.039	4.65	27.511	98.5	0.06
68	412.	6.515	35.033	4.71	27.511	98.5	0.06
41	414.	6.367	35.020	4.72	27.521	98.5	0.06
46	416.	6.342	35.020	4.76	27.524	98.5	0.06
20	418.	6.319	35.020	4.78	27.527	98.5	0.06
23	420.	6.270	35.018	4.78	27.532	98.5	0.06
40	422.	6.256	35.015	4.82	27.531	98.5	0.06
16	424.	6.231	35.016	4.87	27.535	98.5	0.06
12	426.	6.204	35.013	4.88	27.537	98.4	0.06
14	428.	6.191	35.012	4.88	27.538	98.5	0.06
25	430.	6.177	35.011	4.88	27.539	98.5	0.06
17	432.	6.169	35.011	4.92	27.540	98.5	0.06
22	434.	6.183	35.016	4.91	27.542	98.5	0.06
32	436.	6.191	35.018	4.92	27.542	98.5	0.06
21	438.	6.207	35.022	4.90	27.544	98.5	0.06
58	440.	6.205	35.022	4.92	27.543	98.5	0.06
53	442.	6.212	35.022	4.91	27.543	98.5	0.06
44	444.	6.208	35.022	4.87	27.543	98.5	0.06
32	446.	6.218	35.026	4.88	27.545	98.5	0.06
44	448.	6.225	35.027	4.89	27.545	98.5	0.06
26	450.	6.227	35.029	4.88	27.546	98.5	0.06
49	452.	6.219	35.034	4.89	27.551	98.5	0.06
65	454.	6.213	35.034	4.92	27.552	98.5	0.06
49	456.	6.200	35.034	4.91	27.554	98.5	0.06
41	458.	6.175	35.032	4.90	27.556	98.5	0.06
58	460.	6.133	35.030	4.94	27.560	98.5	0.06
59	462.	6.118	35.032	4.95	27.563	98.5	0.06
29	464.	6.103	35.032	4.94	27.565	98.5	0.06
39	466.	6.045	35.026	4.97	27.568	98.5	0.06
37	468.	5.981	35.021	5.02	27.572	98.5	0.06
17	470.	5.941	35.020	5.03	27.576	98.5	0.06
17	472.	5.937	35.020	5.04	27.577	98.5	0.06
37	474.	5.906	35.020	5.06	27.581	98.5	0.06
19	476.	5.879	35.021	5.06	27.585	98.5	0.06
18	478.	5.865	35.020	5.05	27.586	98.5	0.06
23	480.	5.856	35.020	5.06	27.587	98.5	0.06
31	482.	5.843	35.019	5.12	27.588	98.5	0.06
24	484.	5.830	35.020	5.16	27.590	98.5	0.06
40	486.	5.820	35.018	5.16	27.590	98.5	0.06
43	488.	5.805	35.017	5.17	27.591	98.5	0.06
26	490.	5.739	35.009	5.16	27.593	98.5	0.06
25	492.	5.694	35.006	5.17	27.597	98.5	0.06
37	494.	5.678	35.005	5.20	27.598	98.5	0.06
17	496.	5.675	35.005	5.25	27.598	98.5	0.06
16	498.	5.635	35.002	5.27	27.601	98.5	0.06

STA 51 DAY: 23 TIME: 0600

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
34	500.	5.501	34.984	5.29	27.603	98.5	0.06
30	520.	5.230	34.956	5.38	27.613	98.5	0.06
66	540.	5.114	34.956	5.52	27.627	98.2	0.07
64	560.	4.943	34.941	5.63	27.636	98.3	0.07
32	580.	4.896	34.947	5.69	27.645	98.3	0.07
50	600.	4.851	34.948	5.71	27.652	98.3	0.07
18	620.	4.822	34.949	5.80	27.655	98.2	0.07
36	640.	4.724	34.946	5.86	27.664	98.3	0.07
63	660.	4.666	34.947	5.86	27.671	98.3	0.07
37	680.	4.648	34.952	5.95	27.678	98.5	0.06
26	700.	4.592	34.950	6.01	27.682	98.4	0.06
43	720.	4.549	34.949	6.00	27.686	98.5	0.06
26	740.	4.523	34.950	6.00	27.690	98.5	0.06
37	760.	4.498	34.949	6.10	27.692	98.5	0.06
22	780.	4.450	34.948	6.02	27.696	98.5	0.06
17	800.	4.411	34.948	6.15	27.701	98.7	0.05
37	820.	4.379	34.947	6.19	27.704	98.5	0.06
51	840.	4.346	34.947	6.18	27.707	98.5	0.06
58	860.	4.332	34.947	6.16	27.708	98.5	0.06
46	880.	4.309	34.946	6.14	27.711	98.5	0.06
35	900.	4.285	34.946	6.19	27.713	98.5	0.06
29	920.	4.268	34.946	6.20	27.715	98.5	0.06
18	940.	4.238	34.946	6.21	27.718	98.5	0.06
40	960.	4.219	34.946	6.23	27.720	98.5	0.06
75	980.	4.196	34.945	6.22	27.722	98.5	0.06

STA 52 DAY: 23 TIME: 1125

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
13	3.	15.756	33.325	5.75	24.515	92.3	0.32
87	4.	15.732	33.322	5.65	24.518	91.9	0.34
68	6.	15.695	33.316	5.61	24.522	92.1	0.33
43	8.	15.703	33.319	5.60	24.522	92.3	0.32
56	10.	15.712	33.320	5.62	24.521	92.3	0.32
35	12.	15.689	33.318	5.62	24.525	92.3	0.32
25	14.	15.695	33.318	5.66	24.523	92.3	0.32
55	16.	15.675	33.319	5.66	24.528	92.4	0.31
26	18.	15.673	33.326	5.60	24.534	92.7	0.30
62	20.	15.786	33.385	5.60	24.555	93.3	0.28
49	22.	16.177	33.577	5.50	24.614	93.6	0.26
69	24.	16.259	33.605	5.41	24.617	93.7	0.26
37	26.	16.293	33.620	5.41	24.620	93.9	0.25
60	28.	16.339	33.641	5.44	24.626	94.3	0.23
37	30.	16.432	33.674	5.44	24.630	94.7	0.22
76	32.	16.454	33.684	5.42	24.633	95.0	0.21
65	34.	16.501	33.738	5.34	24.663	95.7	0.17
30	36.	15.942	33.736	5.33	24.789	96.3	0.15
52	38.	14.909	33.646	5.43	24.948	96.6	0.14
37	40.	13.357	33.466	5.54	25.134	96.7	0.14
18	42.	10.097	33.166	5.93	25.504	96.8	0.13
30	44.	9.822	33.160	5.78	25.546	97.0	0.12
34	46.	9.759	33.207	5.68	25.592	97.0	0.12
23	48.	9.636	33.249	5.64	25.646	97.0	0.12
28	50.	9.732	33.308	5.63	25.676	97.0	0.12
33	52.	9.642	33.317	5.65	25.697	97.0	0.12
16	54.	9.555	33.335	5.62	25.726	97.0	0.12
20	56.	9.376	33.363	5.65	25.777	97.1	0.12
34	58.	9.385	33.403	5.60	25.807	97.1	0.12
25	60.	9.031	33.405	5.59	25.865	97.1	0.12
53	62.	8.871	33.447	5.61	25.923	97.1	0.12
39	64.	8.832	33.453	5.57	25.933	97.2	0.11
44	66.	8.802	33.456	5.58	25.940	97.2	0.11
78	68.	8.747	33.457	5.55	25.950	97.3	0.11
39	70.	8.479	33.485	5.55	26.013	97.3	0.11
67	72.	8.509	33.545	5.54	26.055	97.3	0.11
41	74.	8.442	33.567	5.51	26.082	97.3	0.11
51	76.	8.317	33.553	5.52	26.091	97.3	0.11
71	78.	8.070	33.524	5.57	26.104	97.3	0.11
58	80.	8.011	33.543	5.48	26.128	97.5	0.10
26	82.	8.092	33.582	5.46	26.147	97.5	0.10
34	84.	8.271	33.627	5.40	26.156	97.5	0.10
28	86.	8.394	33.661	5.43	26.164	97.5	0.10
18	88.	8.313	33.688	5.44	26.197	97.5	0.10
25	90.	8.339	33.710	5.44	26.211	97.5	0.10
30	92.	8.332	33.711	5.43	26.213	97.5	0.10
25	94.	8.352	33.728	5.40	26.223	97.5	0.10
52	96.	8.384	33.761	5.40	26.244	97.5	0.10
45	98.	8.481	33.814	5.37	26.270	97.5	0.10
30	100.	8.493	33.855	5.35	26.301	97.5	0.10

STA 52 DAY: 23 TIME: 1125

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
50	102.	8.438	33.853	5.37	26.308	97.5	0.10
24	104.	8.329	33.854	5.37	26.325	97.5	0.10
38	106.	8.346	33.875	5.33	26.339	97.5	0.10
37	108.	8.550	33.942	5.33	26.360	97.5	0.10
28	110.	8.803	34.019	5.25	26.382	97.7	0.09
46	112.	9.086	34.124	5.22	26.419	97.7	0.09
22	114.	9.696	34.291	5.07	26.450	97.7	0.09
28	116.	10.378	34.512	4.97	26.506	97.7	0.09
57	118.	10.960	34.693	4.89	26.544	97.6	0.10
37	120.	10.910	34.680	4.77	26.543	97.5	0.10
37	122.	10.783	34.689	4.76	26.573	97.7	0.09
89	124.	10.855	34.772	4.76	26.625	97.8	0.09
46	126.	10.833	34.774	4.74	26.630	97.8	0.09
30	128.	10.818	34.776	4.72	26.634	97.8	0.09
62	130.	10.836	34.790	4.76	26.642	97.8	0.09
33	132.	10.881	34.815	4.78	26.653	97.8	0.09
21	134.	10.915	34.835	4.76	26.663	97.8	0.09
34	136.	11.012	34.878	4.77	26.679	97.8	0.09
30	138.	11.264	34.950	4.73	26.689	98.0	0.08
30	140.	11.446	34.998	4.70	26.693	98.0	0.08
39	142.	11.562	35.031	4.70	26.697	98.0	0.08
22	144.	11.633	35.050	4.67	26.698	98.0	0.08
37	146.	12.165	35.242	4.59	26.746	98.1	0.08
52	148.	12.378	35.318	4.49	26.763	98.2	0.07
23	150.	12.276	35.308	4.42	26.776	98.2	0.07
30	152.	12.212	35.321	4.42	26.798	98.2	0.07
59	154.	12.143	35.312	4.33	26.805	98.2	0.07
37	156.	12.149	35.328	4.27	26.816	98.2	0.07
33	158.	12.130	35.341	4.25	26.830	98.2	0.07
58	160.	12.107	35.341	4.20	26.834	98.2	0.07
28	162.	12.113	35.348	4.20	26.838	98.2	0.07
38	164.	12.076	35.343	4.20	26.842	98.2	0.07
31	166.	12.046	35.337	4.21	26.843	98.2	0.07
32	168.	11.750	35.281	4.25	26.856	98.2	0.07
37	170.	11.583	35.258	4.26	26.870	98.2	0.07
39	172.	11.636	35.286	4.21	26.881	98.2	0.07
37	174.	11.778	35.343	4.17	26.899	98.2	0.07
38	176.	11.874	35.377	4.11	26.906	98.2	0.07
30	178.	11.918	35.390	4.04	26.909	98.3	0.07
22	180.	11.900	35.393	4.01	26.914	98.3	0.07
76	182.	11.877	35.391	3.97	26.917	98.3	0.07
37	184.	11.717	35.360	3.94	26.923	98.3	0.07
29	186.	11.675	35.362	3.93	26.933	98.3	0.07
42	188.	11.773	35.403	3.90	26.946	98.3	0.07
23	190.	11.766	35.412	3.89	26.955	98.3	0.07
41	192.	11.727	35.404	3.87	26.956	98.3	0.07
32	194.	11.695	35.399	3.84	26.958	98.3	0.07
53	196.	11.611	35.383	3.83	26.961	98.3	0.07
29	198.	11.306	35.332	3.87	26.979	98.3	0.07
25	200.	10.954	35.275	3.91	26.998	98.3	0.07

STA 52 DAY: 23 TIME: 1125

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
41	202.	10.843	35.252	3.96	27.001	98.3	0.07
25	204.	10.422	35.184	4.07	27.023	98.3	0.07
76	206.	10.093	35.116	4.14	27.027	98.3	0.07
44	208.	10.030	35.119	4.19	27.040	98.3	0.07
59	210.	10.045	35.129	4.17	27.045	98.3	0.07
46	212.	10.042	35.139	4.14	27.054	98.3	0.07
74	214.	10.003	35.150	4.10	27.069	98.3	0.07
42	216.	9.933	35.151	4.07	27.082	98.3	0.07
23	218.	9.849	35.145	4.05	27.092	98.3	0.07
34	220.	9.831	35.143	4.05	27.093	98.3	0.07
22	222.	9.731	35.135	4.08	27.103	98.3	0.07
30	224.	9.706	35.139	4.08	27.111	98.3	0.07
41	226.	9.713	35.147	4.05	27.116	98.3	0.07
28	228.	9.714	35.152	4.03	27.119	98.3	0.07
52	230.	9.732	35.161	4.00	27.124	98.2	0.07
38	232.	9.739	35.165	3.97	27.126	98.2	0.07
30	234.	9.735	35.167	3.97	27.128	98.2	0.07
52	236.	9.725	35.166	3.96	27.129	98.2	0.07
37	238.	9.709	35.165	3.95	27.131	98.2	0.07
18	240.	9.683	35.165	3.95	27.136	98.2	0.07
39	242.	9.669	35.166	3.95	27.138	98.2	0.07
68	244.	9.663	35.166	3.91	27.139	98.2	0.07
40	246.	9.653	35.166	3.89	27.141	98.2	0.07
46	248.	9.632	35.167	3.91	27.146	98.2	0.07
47	250.	9.597	35.166	3.90	27.150	98.2	0.07
32	252.	9.579	35.165	3.90	27.153	98.2	0.07
17	254.	9.562	35.165	3.90	27.155	98.2	0.07
25	256.	9.535	35.164	3.90	27.159	98.2	0.07
31	258.	9.529	35.163	3.92	27.159	98.2	0.07
23	260.	9.508	35.161	3.92	27.161	98.2	0.07
33	262.	9.469	35.159	3.92	27.166	98.2	0.07
25	264.	9.374	35.155	3.93	27.179	98.2	0.07
41	266.	9.285	35.148	3.93	27.188	98.2	0.07
19	268.	9.240	35.147	3.91	27.195	98.2	0.07
43	270.	9.206	35.142	3.91	27.197	98.2	0.07
46	272.	9.153	35.138	3.91	27.202	98.2	0.07
25	274.	9.099	35.135	3.93	27.208	98.2	0.07
37	276.	9.047	35.132	3.93	27.214	98.2	0.07
22	278.	9.046	35.133	3.94	27.215	98.2	0.07
45	280.	9.039	35.132	3.94	27.216	98.2	0.07
34	282.	9.023	35.132	3.95	27.218	98.2	0.07
14	284.	9.002	35.131	3.94	27.221	98.2	0.07
17	286.	8.958	35.129	3.95	27.226	98.2	0.07
29	288.	8.927	35.124	3.96	27.227	98.1	0.07
17	290.	8.905	35.124	3.97	27.231	98.2	0.07
31	292.	8.904	35.125	3.97	27.232	98.2	0.07
45	294.	8.904	35.125	3.96	27.232	98.2	0.07
26	296.	8.902	35.125	3.95	27.232	98.2	0.07
41	298.	8.900	35.126	3.95	27.233	98.2	0.07
33	300.	8.901	35.128	3.94	27.235	98.2	0.07

STA 52 DAY: 23 TIME: 1125

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
38	302.	8.900	35.130	3.93	27.236	98.2	0.07
43	304.	8.881	35.133	3.90	27.242	98.2	0.07
28	306.	8.827	35.131	3.89	27.249	98.2	0.07
42	308.	8.706	35.118	3.89	27.258	98.2	0.07
35	310.	8.637	35.118	3.90	27.269	98.3	0.07
30	312.	8.614	35.117	3.91	27.271	98.3	0.07
50	314.	8.608	35.117	3.90	27.272	98.3	0.07
31	316.	8.608	35.117	3.91	27.273	98.2	0.07
46	318.	8.561	35.115	3.93	27.279	98.2	0.07
68	320.	8.500	35.112	3.92	27.285	98.2	0.07
30	322.	8.486	35.114	3.94	27.289	98.2	0.07
40	324.	8.481	35.109	3.95	27.286	98.2	0.07
32	326.	8.387	35.103	3.97	27.296	98.2	0.07
54	328.	8.267	35.095	3.99	27.308	98.2	0.07
37	330.	8.226	35.096	4.00	27.315	98.2	0.07
27	332.	8.218	35.097	4.03	27.317	98.2	0.07
44	334.	8.201	35.096	4.03	27.319	98.2	0.07
27	336.	8.184	35.095	4.04	27.321	98.2	0.07
49	338.	8.162	35.094	4.03	27.324	98.2	0.07
38	340.	8.139	35.095	4.04	27.328	98.2	0.07
88	342.	8.100	35.096	4.05	27.334	98.2	0.07
40	344.	7.995	35.087	4.05	27.344	98.2	0.07
38	346.	7.921	35.083	4.03	27.351	98.2	0.07
71	348.	7.822	35.078	4.07	27.362	98.2	0.07
59	350.	7.793	35.077	4.11	27.365	98.2	0.07
54	352.	7.768	35.075	4.14	27.368	98.3	0.07
42	354.	7.697	35.068	4.16	27.373	98.3	0.07
44	356.	7.575	35.059	4.19	27.384	98.2	0.07
29	358.	7.444	35.050	4.22	27.395	98.2	0.07
44	360.	7.400	35.048	4.26	27.400	98.3	0.07
21	362.	7.351	35.047	4.31	27.406	98.2	0.07
27	364.	7.261	35.044	4.32	27.417	98.2	0.07
43	366.	7.227	35.043	4.35	27.421	98.2	0.07
54	368.	7.206	35.043	4.38	27.424	98.2	0.07
72	370.	7.191	35.042	4.37	27.426	98.2	0.07
42	372.	7.182	35.043	4.38	27.427	98.2	0.07
51	374.	7.174	35.042	4.38	27.428	98.2	0.07
24	376.	7.164	35.042	4.38	27.429	98.2	0.07
22	378.	7.148	35.040	4.39	27.430	98.2	0.07
36	380.	7.134	35.039	4.40	27.431	98.2	0.07
29	382.	7.129	35.038	4.42	27.431	98.2	0.07
22	384.	7.122	35.038	4.42	27.432	98.2	0.07
42	386.	7.097	35.035	4.43	27.433	98.2	0.07
17	388.	7.010	35.031	4.46	27.442	98.2	0.07
20	390.	6.931	35.023	4.47	27.447	98.2	0.07
26	392.	6.883	35.017	4.49	27.448	98.2	0.07
27	394.	6.846	35.014	4.56	27.452	98.2	0.07
18	396.	6.784	35.011	4.60	27.458	98.2	0.07
37	398.	6.727	35.006	4.60	27.462	98.2	0.07
18	400.	6.670	35.002	4.63	27.466	98.2	0.07

STA 52 DAY: 23 TIME: 1125

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
41	402.	6.625	34.998	4.64	27.469	98.2	0.07
38	404.	6.589	35.000	4.67	27.475	98.2	0.07
20	406.	6.582	35.002	4.68	27.478	98.2	0.07
33	408.	6.557	35.003	4.66	27.482	98.1	0.07
26	410.	6.561	35.004	4.68	27.483	98.1	0.08
88	412.	6.562	35.005	4.68	27.483	98.2	0.07
34	414.	6.551	35.002	4.65	27.483	98.2	0.07
54	416.	6.544	35.002	4.66	27.483	98.2	0.07
60	418.	6.545	35.002	4.65	27.483	98.2	0.07
46	420.	6.546	35.002	4.67	27.483	98.2	0.07
48	422.	6.545	35.002	4.66	27.483	98.2	0.07
26	424.	6.540	35.003	4.65	27.484	98.2	0.07
24	426.	6.521	35.006	4.65	27.489	98.1	0.08
38	428.	6.506	35.005	4.69	27.490	98.1	0.08
30	430.	6.498	35.005	4.70	27.491	98.0	0.08
72	432.	6.490	35.004	4.71	27.492	98.1	0.08
60	434.	6.484	35.004	4.71	27.492	98.2	0.07
29	436.	6.478	35.004	4.71	27.493	98.1	0.08
47	438.	6.474	35.003	4.71	27.493	98.1	0.08
19	440.	6.469	35.002	4.71	27.493	98.1	0.08
24	442.	6.461	35.002	4.71	27.494	98.1	0.08
69	444.	6.459	35.002	4.74	27.495	98.2	0.07
16	446.	6.450	35.002	4.75	27.496	98.0	0.08
19	448.	6.446	35.004	4.76	27.498	98.0	0.08
42	450.	6.415	35.001	4.76	27.500	98.0	0.08
30	452.	6.363	35.001	4.79	27.507	98.0	0.08
49	454.	6.357	35.001	4.80	27.507	98.0	0.08
44	456.	6.352	35.001	4.80	27.508	98.0	0.08
45	458.	6.348	35.001	4.80	27.508	98.0	0.08
43	460.	6.351	35.001	4.81	27.508	98.0	0.08
19	461.	6.349	35.001	4.82	27.508	98.0	0.08
17	462.	6.351	35.001	4.81	27.508	98.0	0.08
29	463.	6.345	34.999	4.80	27.508	98.0	0.08
28	464.	6.347	35.001	4.80	27.508	98.0	0.08
13	465.	6.344	35.000	4.82	27.508	98.0	0.08
19	466.	6.312	34.995	4.82	27.508	98.0	0.08
19	467.	6.303	34.995	4.83	27.510	98.0	0.08
14	468.	6.281	34.995	4.83	27.513	98.0	0.08
27	469.	6.275	34.995	4.84	27.513	98.0	0.08
22	470.	6.273	34.996	4.84	27.514	97.9	0.08

STA 53 DAY: 23 TIME: 1434

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.4	16.6	68.6	9.2	139.4	12.3	204.4	10.4	323.7	7.9
3.9	16.6	70.3	9.1	139.8	12.2	207.8	10.5	326.3	7.8
5.7	16.6	71.3	8.9	141.1	12.2	208.6	10.6	328.0	7.8
7.4	16.6	74.8	8.9	144.0	12.1	210.0	10.8	330.1	7.8
8.5	16.6	76.8	9.0	145.7	12.1	212.0	10.8	332.1	7.8
9.8	16.6	78.2	9.0	147.1	12.1	215.9	10.8	333.7	7.8
11.4	16.6	79.7	9.3	147.1	12.0	217.2	10.7	335.4	7.7
13.4	16.6	80.0	9.5	148.5	11.9	221.0	10.6	336.8	7.7
14.8	16.6	81.3	9.8	150.1	11.9	225.6	10.6	338.5	7.7
16.3	16.6	82.1	10.0	151.9	11.9	227.4	10.4	341.2	7.7
18.4	16.6	83.3	10.5	153.2	11.9	229.7	10.4	343.1	7.6
20.1	16.6	84.9	11.0	154.6	11.8	231.5	10.4	346.7	7.5
21.8	16.6	86.3	11.5	154.9	11.8	234.1	10.2	347.8	7.5
23.2	16.6	86.2	12.0	155.9	11.9	236.0	10.1	349.9	7.5
24.5	16.6	87.3	12.5	157.8	11.9	237.6	10.0	352.1	7.5
25.8	16.6	88.4	12.8	159.1	11.8	240.1	9.9	354.6	7.5
27.6	16.6	90.3	12.8	160.8	11.8	243.1	9.8	356.1	7.5
29.3	16.6	92.6	12.8	161.7	11.9	247.3	9.8	359.1	7.5
30.8	16.6	93.7	13.0	162.3	11.9	250.1	9.7	360.9	7.4
32.1	16.6	95.7	13.2	163.0	12.0	253.3	9.6	362.4	7.3
33.2	16.1	97.2	13.2	163.6	12.0	255.3	9.5	365.2	7.3
33.2	15.6	98.0	13.2	164.4	12.0	258.1	9.4	367.5	7.2
33.3	15.0	99.3	13.1	165.9	11.9	260.4	9.3	369.1	7.2
33.4	14.5	100.6	13.1	166.7	11.9	262.6	9.3	370.8	7.2
33.8	14.0	102.8	13.1	166.2	11.9	264.3	9.2	371.9	7.1
34.3	13.0	104.6	13.1	167.1	11.8	267.1	9.2	372.8	7.1
35.6	12.0	107.3	13.1	168.1	11.7	270.3	9.2	375.3	7.1
36.7	11.5	108.7	13.0	168.5	11.7	271.3	9.1	377.0	7.0
37.5	11.0	109.3	12.9	169.5	11.8	272.5	9.1	379.5	7.0
38.4	10.5	110.0	12.8	171.4	11.8	275.0	9.0	382.9	7.0
40.0	10.2	111.8	12.8	172.5	11.8	277.5	9.0	385.6	7.0
42.0	10.1	114.3	12.8	173.7	11.7	280.9	8.9	387.3	6.9
43.4	9.7	116.6	12.8	175.2	11.7	282.8	8.8	389.3	6.9
44.5	9.5	119.8	12.7	176.6	11.8	284.0	8.6	391.6	6.9
46.0	9.3	120.7	12.6	178.8	11.8	284.8	8.5	394.4	6.9
48.8	9.3	121.7	12.6	180.7	11.7	285.9	8.4	396.6	6.9
50.6	9.1	123.5	12.5	182.3	11.6	287.1	8.3	398.2	6.8
51.6	9.1	125.6	12.5	182.8	11.5	289.7	8.2	400.9	6.8
53.3	9.0	127.0	12.6	183.8	11.5	292.6	8.2	402.9	6.8
55.3	8.9	128.8	12.6	184.7	11.4	295.7	8.1	405.8	6.8
56.7	8.9	130.0	12.7	185.8	11.3	298.8	8.1	407.1	6.8
58.2	9.0	131.4	12.7	188.1	11.3	301.1	8.1	408.8	6.8
59.1	9.2	133.3	12.8	189.3	11.3	306.9	8.1	410.4	6.7
61.1	9.5	133.9	12.8	190.6	11.0	309.0	8.1	412.7	6.7
62.1	9.6	134.8	12.7	192.7	10.7	311.4	8.1	416.6	6.6
63.0	9.6	135.6	12.6	193.7	10.5	314.7	8.1	419.1	6.6
65.1	10.0	136.5	12.5	196.1	10.4	316.1	8.1	420.7	6.6
66.7	9.8	137.3	12.5	198.4	10.3	318.3	8.0	422.2	6.6
67.1	9.5	138.7	12.4	201.7	10.3	320.1	8.0	424.0	6.5
67.8	9.4	139.3	12.4	202.8	10.4	322.2	7.9	425.4	6.4

STA 53 DAY: 23 TIME: 1434

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
427.5	6.4	523.5	5.5	622.3	5.2
430.2	6.4	525.0	5.4	624.6	5.2
432.0	6.3	526.5	5.4	627.6	5.2
433.8	6.3	528.3	5.4	629.4	5.2
436.1	6.3	530.6	5.4	632.5	5.2
438.3	6.3	532.3	5.4	635.4	5.2
439.6	6.3	533.6	5.4	637.5	5.2
441.9	6.2	534.8	5.4	639.3	5.2
443.8	6.2	536.8	5.4	641.5	5.2
445.3	6.2	539.0	5.4	644.2	5.2
446.9	6.1	540.3	5.4	647.2	5.2
448.5	6.1	541.7	5.3	648.8	5.2
449.8	6.1	543.4	5.3	650.6	5.1
450.6	6.1	545.0	5.3	652.4	5.1
452.9	6.0	547.8	5.3	653.7	5.1
454.4	6.0	549.3	5.3	655.2	5.1
456.4	5.9	551.3	5.3	658.9	5.1
458.4	5.9	552.7	5.3	660.4	5.1
460.3	5.8	554.7	5.3	662.6	5.1
462.0	5.8	557.0	5.3	664.9	5.1
463.8	5.8	559.0	5.3	667.0	5.1
465.5	5.8	561.0	5.3	669.3	5.1
468.5	5.8	562.9	5.3	671.2	5.1
470.6	5.8	563.3	5.3	671.8	5.1
472.7	5.8	565.3	5.3	674.8	5.1
475.0	5.8	566.9	5.3	677.0	5.1
476.6	5.7	569.0	5.3	679.7	5.1
478.1	5.7	570.8	5.3	681.3	5.1
480.8	5.7	572.7	5.3	683.3	5.1
483.2	5.7	573.9	5.3	685.0	5.1
484.1	5.7	575.3	5.3	688.1	5.0
486.8	5.6	577.1	5.3	690.8	5.0
489.4	5.6	579.8	5.3	692.8	5.0
491.5	5.6	582.8	5.3	695.3	5.0
492.8	5.6	584.7	5.3	696.7	5.0
494.5	5.6	587.0	5.3	699.3	5.0
496.5	5.6	588.4	5.3	701.8	5.0
499.1	5.6	591.5	5.3	705.3	5.0
501.5	5.6	593.2	5.3	707.5	5.0
502.7	5.5	596.1	5.3	710.4	5.0
504.8	5.5	597.7	5.2	712.5	5.0
506.5	5.5	600.9	5.2	715.4	5.0
509.0	5.5	602.7	5.2	718.1	5.0
510.7	5.5	605.5	5.2	720.3	5.0
513.6	5.5	607.8	5.2	721.6	4.9
515.3	5.5	610.3	5.2	722.0	4.9
517.3	5.5	612.9	5.2	724.3	4.8
519.3	5.5	615.6	5.2	725.8	4.8
520.2	5.5	617.2	5.2	726.3	4.7
522.2	5.5	619.3	5.2		

STA 54 DAY: 23 TIME: 1525

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
37	2.	16.489	33.545	5.67	24.517	92.7	0.31
68	4.	16.489	33.545	5.67	24.517	92.9	0.30
38	6.	16.490	33.545	5.60	24.517	92.9	0.30
82	8.	16.490	33.545	5.65	24.517	92.9	0.30
50	10.	16.491	33.545	5.61	24.517	92.5	0.31
73	12.	16.493	33.547	5.66	24.519	92.5	0.31
50	14.	16.506	33.558	5.65	24.524	92.8	0.30
77	16.	16.522	33.565	5.65	24.526	93.0	0.29
53	18.	16.534	33.571	5.65	24.527	93.3	0.28
41	20.	16.546	33.576	5.65	24.528	93.5	0.27
73	22.	16.553	33.580	5.61	24.530	93.7	0.26
29	24.	16.560	33.583	5.59	24.530	93.7	0.26
34	26.	16.566	33.588	5.61	24.533	93.7	0.26
42	28.	16.567	33.589	5.57	24.534	93.7	0.26
22	30.	16.565	33.589	5.60	24.534	93.7	0.26
38	32.	16.562	33.588	5.59	24.534	93.7	0.26
25	34.	16.557	33.587	5.56	24.534	93.7	0.26
67	36.	16.554	33.587	5.55	24.535	94.8	0.22
53	38.	16.554	33.589	5.46	24.536	95.1	0.20
27	40.	16.256	33.573	5.50	24.592	95.3	0.19
43	42.	15.526	33.500	5.47	24.701	96.4	0.15
28	44.	14.826	33.680	5.40	24.992	96.8	0.13
32	46.	14.216	33.682	5.45	25.124	97.0	0.12
38	48.	13.951	33.663	5.34	25.165	97.0	0.12
25	50.	13.497	33.642	5.39	25.242	97.0	0.12
49	52.	12.645	33.437	5.50	25.252	96.9	0.12
54	54.	11.970	33.325	5.57	25.295	96.8	0.13
45	56.	11.033	33.194	5.67	25.364	96.8	0.13
36	58.	10.565	33.151	5.67	25.413	96.9	0.13
43	60.	10.382	33.188	5.67	25.473	96.9	0.13
22	62.	10.267	33.323	5.63	25.598	97.0	0.12
53	64.	9.877	33.345	5.69	25.681	97.0	0.12
29	66.	10.039	33.462	5.61	25.745	97.0	0.12
32	68.	10.691	33.742	5.47	25.851	97.1	0.12
35	70.	11.022	33.851	5.42	25.878	97.3	0.11
27	72.	11.529	34.042	5.31	25.934	97.3	0.11
91	74.	12.386	34.407	5.13	26.055	97.4	0.10
35	76.	12.779	34.534	4.91	26.077	97.5	0.10
37	78.	13.032	34.633	4.83	26.103	97.5	0.10
50	80.	13.789	34.933	4.66	26.180	97.6	0.10
49	82.	14.486	35.158	4.55	26.207	97.8	0.09
46	84.	15.244	35.461	4.37	26.274	97.8	0.09
30	86.	15.633	35.615	4.16	26.306	98.0	0.08
30	88.	15.598	35.645	4.18	26.337	98.0	0.08
55	90.	15.428	35.621	4.14	26.357	98.1	0.08
30	92.	15.263	35.593	4.09	26.372	98.2	0.07
67	94.	15.282	35.626	4.11	26.393	98.2	0.07
76	96.	15.271	35.628	4.10	26.397	98.2	0.07
32	98.	15.030	35.575	4.12	26.409	98.2	0.07
35	100.	14.272	35.418	4.21	26.453	98.1	0.08

STA 54 DAY: 23 TIME: 1525

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
23	102.	14.020	35.382	4.26	26.479	98.1	0.08
27	104.	13.577	35.303	4.32	26.511	98.0	0.08
41	106.	13.389	35.254	4.33	26.511	98.0	0.08
25	108.	13.132	35.231	4.33	26.545	98.0	0.08
40	110.	12.797	35.174	4.39	26.569	97.9	0.08
42	112.	12.704	35.171	4.36	26.586	97.8	0.09
33	114.	12.639	35.166	4.35	26.594	97.8	0.09
49	116.	12.610	35.163	4.38	26.598	97.8	0.09
30	118.	12.603	35.167	4.35	26.602	97.8	0.09
19	120.	12.646	35.190	4.32	26.611	97.8	0.09
57	122.	12.632	35.200	4.32	26.622	97.8	0.09
44	124.	12.603	35.202	4.29	26.630	97.8	0.09
51	126.	12.597	35.214	4.29	26.640	97.8	0.09
59	128.	12.596	35.234	4.28	26.656	97.8	0.09
41	130.	12.600	35.240	4.22	26.659	97.8	0.09
26	132.	12.565	35.245	4.22	26.670	97.8	0.09
43	134.	12.681	35.296	4.24	26.687	97.8	0.09
22	136.	12.611	35.295	4.25	26.700	97.8	0.09
33	138.	12.554	35.287	4.25	26.705	97.8	0.09
50	140.	12.576	35.297	4.17	26.708	97.7	0.10
56	142.	12.498	35.283	4.15	26.713	97.5	0.10
62	144.	12.482	35.282	4.13	26.715	97.5	0.10
44	146.	12.413	35.272	4.10	26.721	97.5	0.10
40	148.	12.392	35.272	4.10	26.725	97.5	0.10
30	150.	12.338	35.262	4.09	26.728	97.5	0.10
59	152.	12.290	35.255	4.13	26.731	97.6	0.10
43	154.	12.263	35.254	4.10	26.736	97.6	0.10
65	156.	12.241	35.257	4.11	26.743	97.6	0.10
68	158.	12.279	35.273	4.09	26.748	97.6	0.10
56	160.	12.177	35.252	4.08	26.751	97.5	0.10
41	162.	12.242	35.285	4.04	26.765	97.6	0.10
40	164.	12.260	35.292	4.04	26.766	97.6	0.10
36	166.	12.253	35.291	4.05	26.767	97.6	0.10
51	168.	12.245	35.289	4.07	26.767	97.6	0.10
31	170.	12.269	35.297	4.05	26.769	97.5	0.10
27	172.	12.315	35.310	4.06	26.770	97.6	0.10
42	174.	12.312	35.307	4.08	26.768	97.7	0.10
21	176.	12.279	35.304	4.09	26.772	97.6	0.10
25	178.	12.391	35.343	4.07	26.781	97.6	0.10
37	180.	12.570	35.406	4.05	26.794	97.7	0.09
19	182.	12.790	35.458	3.99	26.791	97.8	0.09
50	184.	13.033	35.549	3.96	26.813	98.0	0.08
50	186.	13.166	35.598	3.88	26.823	98.2	0.07
21	188.	13.168	35.602	3.87	26.826	98.2	0.07
24	190.	12.831	35.529	3.91	26.838	98.0	0.08
37	192.	12.543	35.464	3.90	26.844	97.8	0.09
37	194.	12.246	35.418	3.89	26.867	97.7	0.10
62	196.	12.257	35.446	3.82	26.887	97.6	0.10
43	198.	12.295	35.470	3.74	26.897	97.7	0.09
68	200.	12.064	35.407	3.75	26.893	97.7	0.09

STA 54 DAY: 23 TIME: 1525

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
47	202.	11.803	35.369	3.74	26.914	97.7	0.09
23	204.	11.626	35.371	3.74	26.949	97.7	0.09
43	206.	11.355	35.356	3.77	26.988	97.7	0.09
25	208.	11.072	35.330	3.69	27.020	97.9	0.08
37	210.	11.043	35.334	3.68	27.029	98.0	0.08
75	212.	10.984	35.336	3.66	27.041	98.0	0.08
46	214.	10.938	35.338	3.59	27.051	98.1	0.08
72	216.	10.871	35.326	3.61	27.053	98.2	0.07
45	218.	10.793	35.313	3.60	27.057	98.2	0.07
55	220.	10.721	35.314	3.59	27.071	98.2	0.07
67	222.	10.760	35.333	3.58	27.079	98.1	0.07
29	224.	10.815	35.350	3.50	27.082	98.2	0.07
34	226.	10.823	35.359	3.48	27.087	98.1	0.08
78	228.	10.802	35.357	3.46	27.090	98.2	0.07
48	230.	10.777	35.356	3.43	27.094	98.2	0.07
39	232.	10.699	35.347	3.42	27.101	98.2	0.07
85	234.	10.679	35.345	3.42	27.103	98.2	0.07
52	236.	10.606	35.334	3.40	27.107	98.2	0.07
23	238.	10.574	35.333	3.38	27.112	98.2	0.07
42	240.	10.565	35.332	3.41	27.113	98.2	0.07
33	242.	10.538	35.329	3.46	27.115	98.2	0.07
31	244.	10.482	35.323	3.47	27.120	98.2	0.07
55	246.	10.432	35.316	3.46	27.124	98.2	0.07
23	248.	10.337	35.304	3.45	27.131	98.2	0.07
47	250.	10.259	35.287	3.48	27.131	98.2	0.07
33	252.	10.182	35.279	3.51	27.139	98.2	0.07
42	254.	9.985	35.246	3.53	27.147	98.2	0.07
48	256.	9.859	35.232	3.55	27.158	98.3	0.07
30	258.	9.849	35.244	3.56	27.169	98.2	0.07
63	260.	9.859	35.246	3.56	27.169	98.2	0.07
31	262.	9.874	35.251	3.53	27.170	98.2	0.07
44	264.	9.861	35.251	3.53	27.172	98.2	0.07
75	266.	9.816	35.246	3.52	27.176	98.2	0.07
51	268.	9.744	35.238	3.50	27.182	98.2	0.07
55	270.	9.705	35.235	3.51	27.186	98.2	0.07
65	272.	9.663	35.230	3.50	27.190	98.2	0.07
49	274.	9.568	35.220	3.52	27.197	98.2	0.07
78	276.	9.520	35.217	3.53	27.203	98.1	0.08
33	278.	9.506	35.219	3.52	27.207	98.0	0.08
47	280.	9.484	35.216	3.54	27.209	98.0	0.08
38	282.	9.448	35.211	3.57	27.211	98.0	0.08
39	284.	9.377	35.200	3.59	27.213	98.0	0.08
57	286.	9.363	35.200	3.60	27.216	98.0	0.08
28	288.	9.352	35.199	3.60	27.217	98.0	0.08
58	290.	9.341	35.196	3.60	27.217	98.0	0.08
55	292.	9.336	35.196	3.61	27.217	98.1	0.08
66	294.	9.310	35.192	3.61	27.219	98.1	0.08
42	296.	9.287	35.191	3.62	27.221	98.0	0.08
71	298.	9.277	35.191	3.61	27.223	98.1	0.08
51	300.	9.277	35.191	3.61	27.223	98.1	0.08

STA 54 DAY: 23 TIME: 1525

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
47	302.	9.279	35.192	3.62	27.223	98.0	0.08
71	304.	9.278	35.192	3.62	27.224	98.1	0.08
55	306.	9.266	35.190	3.60	27.224	98.1	0.08
64	308.	9.238	35.187	3.59	27.227	98.1	0.08
56	310.	9.188	35.183	3.61	27.231	98.2	0.07
43	312.	9.110	35.180	3.64	27.242	98.1	0.07
56	314.	9.062	35.178	3.65	27.248	98.0	0.08
29	316.	8.994	35.173	3.65	27.255	98.0	0.08
41	318.	8.722	35.147	3.70	27.279	98.0	0.08
56	320.	8.674	35.150	3.74	27.288	98.0	0.08
36	322.	8.673	35.152	3.76	27.290	98.0	0.08
69	324.	8.670	35.154	3.78	27.292	98.0	0.08
43	326.	8.655	35.153	3.75	27.294	98.0	0.08
50	328.	8.633	35.153	3.77	27.297	98.0	0.08
47	330.	8.626	35.153	3.75	27.298	98.0	0.08
84	332.	8.621	35.153	3.77	27.298	98.0	0.08
46	334.	8.620	35.152	3.76	27.298	98.0	0.08
58	336.	8.611	35.151	3.79	27.299	98.0	0.08
60	338.	8.593	35.150	3.77	27.301	98.0	0.08
37	340.	8.589	35.150	3.79	27.302	98.0	0.08
25	342.	8.583	35.150	3.80	27.302	98.0	0.08
37	344.	8.575	35.150	3.80	27.303	98.0	0.08
22	346.	8.495	35.145	3.83	27.313	98.0	0.08
56	348.	8.412	35.138	3.84	27.320	98.0	0.08
38	350.	8.388	35.138	3.84	27.324	98.0	0.08
61	352.	8.377	35.139	3.87	27.326	98.0	0.08
54	354.	8.368	35.138	3.86	27.327	98.0	0.08
52	356.	8.323	35.134	3.88	27.330	98.0	0.08
79	358.	8.300	35.133	3.91	27.333	98.0	0.08
54	360.	8.259	35.130	3.92	27.337	98.0	0.08
50	362.	8.183	35.124	3.94	27.344	98.0	0.08
72	364.	8.107	35.119	3.95	27.352	98.0	0.08
38	366.	8.003	35.112	3.99	27.362	97.8	0.09
31	368.	7.993	35.115	4.00	27.366	97.8	0.09
76	370.	8.030	35.118	4.02	27.363	97.8	0.09
21	372.	8.022	35.117	4.01	27.363	97.8	0.09
24	374.	7.943	35.112	4.02	27.371	97.7	0.09
42	376.	7.894	35.108	4.06	27.375	97.7	0.10
33	378.	7.889	35.109	4.08	27.376	97.7	0.09
61	380.	7.885	35.108	4.09	27.377	97.7	0.09
37	382.	7.879	35.108	4.06	27.377	97.7	0.09
52	384.	7.872	35.108	4.07	27.378	97.7	0.09
29	386.	7.870	35.107	4.06	27.378	97.7	0.09
66	388.	7.866	35.107	4.09	27.378	97.7	0.09
49	390.	7.862	35.107	4.08	27.379	97.7	0.09
34	392.	7.851	35.106	4.08	27.380	97.7	0.09
76	394.	7.841	35.106	4.11	27.381	97.7	0.09
35	396.	7.831	35.104	4.10	27.382	97.7	0.09
47	398.	7.792	35.102	4.11	27.385	97.7	0.10
58	400.	7.753	35.099	4.13	27.389	97.6	0.10

STA 54 DAY: 23 TIME: 1525

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
50	402.	7.737	35.099	4.15	27.391	97.6	0.10
47	404.	7.728	35.099	4.17	27.392	97.6	0.10
85	406.	7.655	35.088	4.19	27.395	97.7	0.09
29	408.	7.605	35.091	4.18	27.404	97.5	0.10
43	410.	7.596	35.090	4.20	27.405	97.5	0.10
48	412.	7.591	35.091	4.22	27.406	97.6	0.10
24	414.	7.579	35.090	4.20	27.407	97.5	0.10
41	416.	7.538	35.086	4.23	27.410	97.5	0.10
29	418.	7.502	35.084	4.25	27.414	97.5	0.10
27	420.	7.456	35.082	4.27	27.419	97.5	0.10
47	422.	7.331	35.073	4.31	27.430	97.5	0.10
21	424.	7.288	35.072	4.36	27.436	97.3	0.11
19	426.	7.188	35.068	4.37	27.446	97.4	0.10
32	428.	7.093	35.059	4.40	27.453	97.5	0.10
20	430.	7.074	35.060	4.46	27.456	97.4	0.11
25	432.	7.070	35.060	4.45	27.456	97.3	0.11
46	434.	7.048	35.058	4.48	27.458	97.5	0.10
28	436.	7.033	35.057	4.47	27.460	97.3	0.11
41	438.	7.025	35.057	4.48	27.461	97.4	0.11
82	440.	7.017	35.056	4.48	27.461	97.4	0.11
30	442.	7.015	35.057	4.43	27.462	97.3	0.11
50	444.	7.014	35.057	4.43	27.462	97.3	0.11
53	446.	7.014	35.057	4.46	27.462	97.3	0.11
26	448.	6.990	35.056	4.45	27.464	97.2	0.11
40	450.	6.922	35.050	4.46	27.469	97.2	0.11
88	452.	6.914	35.051	4.50	27.471	97.3	0.11
36	454.	6.910	35.050	4.46	27.471	97.3	0.11
52	456.	6.896	35.049	4.48	27.472	97.4	0.11
58	458.	6.890	35.049	4.50	27.473	97.4	0.10
56	460.	6.766	35.038	4.56	27.481	97.5	0.10
70	462.	6.690	35.037	4.59	27.491	97.5	0.10
34	464.	6.675	35.037	4.60	27.493	97.5	0.10
54	466.	6.660	35.036	4.61	27.494	97.5	0.10
68	468.	6.574	35.028	4.64	27.500	97.4	0.11
61	470.	6.497	35.026	4.67	27.508	97.3	0.11
7	471.	6.470	35.027	4.69	27.512	97.1	0.12
13	472.	6.449	35.024	4.71	27.513	97.1	0.12
18	473.	6.421	35.022	4.72	27.515	97.1	0.12
23	474.	6.399	35.021	4.74	27.518	97.1	0.12
42	475.	6.383	35.021	4.77	27.520	97.1	0.12
34	476.	6.370	35.021	4.78	27.521	97.1	0.12
35	477.	6.359	35.021	4.80	27.523	97.1	0.12
19	478.	6.348	35.020	4.81	27.524	97.1	0.12
14	479.	6.336	35.020	4.80	27.525	97.1	0.12
15	480.	6.334	35.020	4.83	27.525	97.0	0.12
19	481.	6.331	35.020	4.83	27.525	97.0	0.12
11	482.	6.330	35.020	4.84	27.526	97.0	0.12

STA 55 DAY: 23 TIME: 1617

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
14	1.	16.279	33.369	5.56	24.431	94.3	0.23
73	2.	16.281	33.369	5.56	24.430	94.3	0.23
38	4.	16.283	33.368	5.56	24.429	94.3	0.23
24	6.	16.283	33.367	5.61	24.428	94.3	0.23
55	8.	16.281	33.368	5.58	24.430	94.3	0.23
35	10.	16.290	33.416	5.53	24.464	94.3	0.23
60	12.	16.277	33.436	5.60	24.483	94.3	0.23
45	14.	16.275	33.441	5.54	24.487	94.3	0.23
58	16.	16.259	33.448	5.57	24.496	93.9	0.25
66	18.	16.251	33.457	5.53	24.505	93.7	0.26
39	20.	16.196	33.456	5.53	24.517	93.7	0.26
52	22.	16.202	33.474	5.47	24.529	94.0	0.25
31	24.	16.276	33.497	5.39	24.530	94.4	0.23
49	26.	16.289	33.500	5.45	24.529	94.5	0.22
38	28.	16.443	33.553	5.36	24.535	94.6	0.22
76	30.	16.844	33.695	5.37	24.550	94.7	0.22
29	32.	16.862	33.692	5.36	24.544	94.7	0.22
47	34.	16.863	33.697	5.42	24.548	95.0	0.20
32	36.	16.874	33.702	5.31	24.548	95.2	0.19
53	38.	16.657	33.647	5.36	24.557	95.7	0.18
67	40.	14.253	33.229	5.58	24.767	95.9	0.17
69	42.	11.762	32.908	5.69	25.009	95.8	0.17
35	44.	10.761	32.848	5.62	25.142	95.9	0.17
30	46.	10.172	32.811	5.61	25.215	96.2	0.16
44	48.	9.934	32.847	5.63	25.282	96.3	0.15
26	50.	10.247	32.986	5.56	25.338	96.5	0.14
24	52.	11.720	33.494	5.30	25.473	96.6	0.14
39	54.	11.837	33.550	5.40	25.494	96.8	0.13
20	56.	12.109	33.633	5.35	25.507	96.8	0.13
25	58.	12.223	33.703	5.32	25.540	96.8	0.13
60	60.	12.540	33.840	5.22	25.585	96.9	0.13
38	62.	13.011	34.010	5.04	25.624	97.0	0.12
48	64.	14.194	34.501	4.88	25.762	97.1	0.12
69	66.	14.474	34.672	4.83	25.834	97.3	0.11
68	68.	14.225	34.622	4.74	25.848	97.3	0.11
30	70.	14.106	34.605	4.73	25.860	97.3	0.11
40	72.	13.984	34.585	4.73	25.870	97.3	0.11
30	74.	13.913	34.573	4.84	25.876	97.3	0.11
36	76.	13.656	34.537	4.88	25.901	97.3	0.11
58	78.	13.295	34.493	4.91	25.942	97.3	0.11
33	80.	13.130	34.488	4.88	25.971	97.3	0.11
32	82.	12.953	34.462	4.89	25.986	97.3	0.11
50	84.	12.747	34.420	4.90	25.995	97.3	0.11
29	86.	12.100	34.335	4.96	26.054	97.1	0.12
45	88.	11.767	34.378	4.94	26.151	96.9	0.13
29	90.	11.836	34.488	4.86	26.223	96.6	0.14
47	92.	11.926	34.589	4.78	26.285	96.6	0.14
32	94.	11.950	34.643	4.72	26.322	96.5	0.14
75	96.	11.985	34.685	4.67	26.348	96.5	0.14
34	98.	11.974	34.701	4.61	26.362	96.5	0.14

STA 55 DAY: 23 TIME: 1617

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
56	100.	11.973	34.722	4.62	26.379	96.5	0.14
65	102.	12.028	34.743	4.58	26.385	96.6	0.14
21	104.	12.063	34.761	4.53	26.392	96.6	0.14
47	106.	12.229	34.835	4.53	26.417	96.9	0.13
36	108.	12.259	34.880	4.52	26.447	97.2	0.11
45	110.	11.948	34.815	4.56	26.456	97.0	0.12
71	112.	11.850	34.811	4.50	26.471	96.8	0.13
36	114.	11.916	34.842	4.41	26.483	96.8	0.13
79	116.	11.992	34.879	4.45	26.497	97.0	0.12
43	118.	12.039	34.899	4.44	26.504	96.9	0.12
40	120.	12.088	34.923	4.44	26.513	97.0	0.12
79	122.	12.158	34.952	4.43	26.522	97.1	0.12
45	124.	12.335	35.025	4.35	26.544	97.2	0.11
54	126.	12.444	35.066	4.33	26.555	97.3	0.11
39	128.	12.428	35.068	4.31	26.560	97.3	0.11
68	130.	12.425	35.077	4.32	26.567	97.3	0.11
34	132.	12.403	35.085	4.33	26.578	97.3	0.11
47	134.	12.297	35.078	4.32	26.593	97.2	0.11
31	136.	12.185	35.069	4.30	26.608	97.0	0.12
52	138.	12.129	35.066	4.31	26.617	96.9	0.13
64	140.	12.133	35.071	4.29	26.620	96.8	0.13
36	142.	12.149	35.084	4.27	26.626	96.8	0.13
45	144.	12.190	35.098	4.27	26.629	96.8	0.13
30	146.	12.219	35.108	4.24	26.631	96.8	0.13
37	148.	12.245	35.120	4.25	26.635	96.8	0.13
89	150.	12.261	35.128	4.21	26.638	96.8	0.13
53	152.	12.278	35.139	4.13	26.644	96.8	0.13
40	154.	12.293	35.163	4.13	26.660	97.0	0.12
65	156.	12.319	35.182	4.16	26.669	97.0	0.12
53	158.	12.357	35.195	4.10	26.672	96.8	0.13
63	160.	12.385	35.206	4.11	26.675	96.8	0.13
27	162.	12.421	35.219	4.06	26.678	97.0	0.12
43	164.	12.525	35.274	4.11	26.701	97.0	0.12
47	166.	12.649	35.334	4.11	26.722	96.8	0.13
30	168.	12.660	35.340	4.09	26.725	96.5	0.14
81	170.	12.673	35.351	4.07	26.731	96.3	0.15
30	172.	12.688	35.361	4.03	26.736	96.1	0.16
36	174.	12.699	35.371	4.02	26.741	96.0	0.16
51	176.	12.705	35.377	4.02	26.745	96.0	0.16
28	178.	12.711	35.388	4.01	26.752	95.8	0.17
54	180.	12.711	35.391	4.02	26.754	95.8	0.17
71	182.	12.712	35.392	3.98	26.755	95.7	0.17
26	184.	12.706	35.400	3.94	26.762	95.6	0.18
43	186.	12.698	35.408	3.95	26.770	95.5	0.19
42	188.	12.686	35.412	3.94	26.776	95.4	0.19
51	190.	12.653	35.410	3.93	26.781	95.2	0.20
60	192.	12.641	35.410	3.89	26.783	95.1	0.20
67	194.	12.633	35.411	3.89	26.785	95.1	0.20
19	196.	12.590	35.408	3.91	26.792	95.1	0.20
32	198.	12.583	35.410	3.92	26.794	95.2	0.20

STA 55 DAY: 23 TIME: 1617

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
27	200.	12.560	35.409	3.93	26.798	95.4	0.19
33	202.	12.454	35.393	3.93	26.807	95.6	0.18
75	204.	12.116	35.369	3.91	26.854	96.0	0.16
24	206.	11.955	35.380	3.82	26.893	96.3	0.15
22	208.	11.817	35.387	3.81	26.925	96.7	0.13
42	210.	11.786	35.388	3.78	26.932	96.9	0.13
35	212.	11.663	35.396	3.71	26.962	97.1	0.12
34	214.	11.584	35.398	3.70	26.978	97.3	0.11
78	216.	11.474	35.392	3.63	26.994	97.3	0.11
37	218.	11.362	35.379	3.55	27.004	97.3	0.11
34	220.	11.312	35.374	3.54	27.010	97.2	0.12
72	222.	11.225	35.365	3.57	27.020	97.2	0.11
65	224.	11.162	35.368	3.54	27.033	97.3	0.11
28	226.	11.161	35.383	3.51	27.045	97.4	0.11
69	228.	11.066	35.372	3.52	27.053	97.5	0.10
73	230.	10.984	35.365	3.49	27.064	97.5	0.10
33	232.	10.872	35.360	3.46	27.080	97.5	0.10
51	234.	10.772	35.351	3.49	27.091	97.7	0.09
54	236.	10.730	35.348	3.48	27.096	97.6	0.10
25	238.	10.553	35.338	3.47	27.120	97.8	0.09
49	240.	10.495	35.325	3.48	27.120	97.8	0.09
69	242.	10.386	35.310	3.48	27.127	97.8	0.09
36	244.	10.326	35.307	3.48	27.136	97.8	0.09
34	246.	10.272	35.302	3.48	27.141	97.8	0.09
71	248.	10.242	35.299	3.49	27.144	97.8	0.09
28	250.	10.225	35.298	3.47	27.146	97.8	0.09
9	251.	10.212	35.296	3.48	27.147	97.8	0.09
28	252.	10.207	35.296	3.48	27.148	97.8	0.09
37	253.	10.202	35.296	3.48	27.149	97.8	0.09
44	254.	10.181	35.291	3.47	27.149	97.8	0.09
22	255.	10.137	35.288	3.48	27.153	97.8	0.09
15	256.	10.080	35.280	3.49	27.158	97.8	0.09
31	257.	10.067	35.280	3.47	27.160	97.8	0.09
22	258.	10.059	35.281	3.46	27.162	97.8	0.09
19	259.	10.014	35.275	3.46	27.164	97.8	0.09
33	260.	9.986	35.272	3.46	27.167	97.8	0.09
49	261.	9.947	35.266	3.46	27.169	97.8	0.09
40	262.	9.896	35.264	3.42	27.176	97.7	0.09
15	263.	9.880	35.263	3.41	27.178	97.7	0.09
14	264.	9.837	35.256	3.43	27.180	97.7	0.09
18	265.	9.730	35.241	3.46	27.187	97.7	0.09
15	266.	9.714	35.243	3.48	27.191	97.7	0.09

STA 56 DAY: 23 TIME: 1654

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
58	2.	16.708	33.643	5.49	24.543	93.7	0.26
41	4.	16.703	33.641	5.54	24.542	93.2	0.28
54	6.	16.701	33.641	5.51	24.542	93.3	0.28
30	8.	16.712	33.642	5.51	24.541	93.4	0.27
80	10.	16.713	33.643	5.48	24.541	93.4	0.27
53	12.	16.706	33.641	5.39	24.541	93.4	0.27
50	14.	16.715	33.645	5.43	24.542	93.4	0.27
82	16.	16.706	33.641	5.41	24.541	93.5	0.27
53	18.	16.702	33.640	5.37	24.542	93.4	0.27
50	20.	16.700	33.639	5.39	24.541	93.4	0.27
68	22.	16.732	33.653	5.36	24.544	93.9	0.25
29	24.	16.770	33.667	5.36	24.546	94.2	0.24
66	26.	16.770	33.667	5.37	24.546	94.2	0.24
52	28.	16.760	33.663	5.36	24.546	94.2	0.24
56	30.	16.758	33.663	5.38	24.546	94.1	0.25
71	32.	16.758	33.664	5.37	24.546	94.2	0.24
40	34.	16.782	33.689	5.35	24.560	94.8	0.21
81	36.	16.785	33.736	5.36	24.596	95.4	0.19
45	38.	16.766	33.812	5.35	24.658	95.8	0.17
78	40.	16.218	33.818	5.38	24.789	95.6	0.18
46	42.	15.241	33.824	5.45	25.014	95.6	0.18
64	44.	14.141	33.719	5.52	25.169	95.5	0.18
63	46.	12.058	33.441	5.72	25.368	96.2	0.16
68	48.	11.300	33.401	5.64	25.477	96.5	0.14
46	50.	10.377	33.292	5.68	25.555	96.6	0.14
70	52.	9.994	33.242	5.66	25.581	96.6	0.14
51	54.	9.802	33.254	5.62	25.622	96.6	0.14
56	56.	9.827	33.328	5.58	25.676	96.8	0.13
63	58.	9.839	33.371	5.59	25.707	96.8	0.13
31	60.	10.194	33.515	5.48	25.760	96.8	0.13
49	62.	12.416	34.201	5.13	25.889	97.1	0.12
44	64.	13.250	34.394	4.98	25.873	97.2	0.12
38	66.	13.872	34.605	4.89	25.909	97.3	0.11
61	68.	13.264	34.416	4.93	25.888	97.3	0.11
25	70.	12.247	34.214	4.96	25.932	97.3	0.11
25	72.	11.786	34.115	5.01	25.943	97.2	0.12
56	74.	11.723	34.105	5.03	25.947	97.1	0.12
38	76.	11.729	34.137	5.02	25.970	97.1	0.12
32	78.	12.065	34.297	4.98	26.031	97.1	0.12
83	80.	12.989	34.629	4.83	26.108	97.5	0.10
31	82.	13.042	34.624	4.68	26.094	97.5	0.10
41	84.	13.344	34.745	4.65	26.127	97.5	0.10
67	86.	13.989	34.972	4.57	26.169	97.6	0.10
39	88.	14.496	35.161	4.49	26.207	97.7	0.09
78	90.	14.479	35.169	4.45	26.216	97.8	0.09
33	92.	14.068	35.056	4.40	26.217	97.8	0.09
23	94.	13.737	35.005	4.46	26.247	97.8	0.09
35	96.	13.459	34.985	4.53	26.289	97.7	0.09
17	98.	13.081	34.971	4.62	26.355	97.5	0.10
19	100.	12.754	34.934	4.64	26.391	97.8	0.09

STA 56 DAY: 23 TIME: 1654

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
33	102.	12.775	34.966	4.60	26.412	97.8	0.09
19	104.	12.445	34.969	4.61	26.480	97.7	0.09
39	106.	12.368	34.965	4.60	26.492	97.5	0.10
20	108.	12.353	34.970	4.48	26.498	97.5	0.10
35	110.	12.317	34.969	4.48	26.505	97.4	0.11
39	112.	12.259	34.975	4.46	26.521	96.9	0.12
60	114.	12.243	34.999	4.43	26.542	95.6	0.18
47	116.	12.257	35.013	4.37	26.550	95.3	0.19
70	118.	12.275	35.026	4.35	26.557	95.3	0.19
40	120.	12.316	35.046	4.32	26.564	95.5	0.18
75	122.	12.336	35.054	4.32	26.567	95.8	0.17
62	124.	12.349	35.059	4.31	26.569	95.9	0.17
35	126.	12.368	35.071	4.30	26.574	96.0	0.16
62	128.	12.364	35.082	4.30	26.583	96.1	0.16
35	130.	12.273	35.072	4.29	26.593	95.8	0.17
74	132.	12.341	35.108	4.30	26.607	96.2	0.16
57	134.	12.352	35.112	4.27	26.609	96.3	0.15
65	136.	12.351	35.113	4.28	26.610	96.5	0.14
61	138.	12.331	35.114	4.26	26.614	96.5	0.14
59	140.	12.287	35.108	4.25	26.618	96.4	0.15
56	142.	12.212	35.105	4.23	26.631	96.4	0.15
73	144.	12.170	35.115	4.22	26.646	96.8	0.13
40	146.	12.158	35.130	4.21	26.660	95.4	0.19
74	148.	12.203	35.152	4.19	26.669	94.8	0.21
51	150.	12.242	35.170	4.15	26.675	94.5	0.23
15	151.	12.270	35.184	4.14	26.681	94.3	0.23
33	152.	12.283	35.192	4.13	26.684	94.4	0.23
36	153.	12.299	35.200	4.11	26.687	94.2	0.24
24	154.	12.325	35.213	4.09	26.692	94.2	0.24
23	155.	12.344	35.221	4.08	26.695	94.1	0.25
34	156.	12.365	35.231	4.08	26.699	94.0	0.25
26	157.	12.375	35.240	4.06	26.703	94.2	0.24
52	158.	12.384	35.254	4.05	26.713	94.2	0.24
32	159.	12.364	35.262	4.02	26.722	94.4	0.23
20	160.	12.348	35.271	4.02	26.733	94.4	0.23
17	161.	12.341	35.279	4.02	26.740	94.4	0.23
27	162.	12.343	35.283	4.00	26.743	94.4	0.23
25	163.	12.367	35.302	3.94	26.753	94.5	0.23
23	164.	12.408	35.325	3.92	26.763	94.4	0.23
42	165.	11.822	35.324	4.00	26.875	94.6	0.22
1	166.	11.683	35.346	3.98	26.919	94.9	0.21

STA 57 DAY: 23 TIME: 2033

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
47	2.	16.285	33.173	5.60	24.279	96.1	0.16
59	4.	16.283	33.173	5.59	24.279	96.1	0.16
42	6.	16.282	33.173	5.58	24.280	96.1	0.16
52	8.	16.279	33.173	5.59	24.280	96.1	0.16
55	10.	16.282	33.174	5.61	24.281	96.1	0.16
63	12.	16.285	33.175	5.64	24.281	96.1	0.16
58	14.	16.294	33.179	5.65	24.281	96.1	0.16
76	16.	16.290	33.177	5.61	24.281	96.1	0.16
70	18.	16.291	33.178	5.62	24.281	96.1	0.16
66	20.	16.300	33.181	5.64	24.282	96.1	0.16
68	22.	16.337	33.198	5.62	24.286	96.1	0.16
53	24.	16.364	33.207	5.61	24.287	96.1	0.16
60	26.	16.379	33.212	5.55	24.287	96.1	0.16
37	28.	16.473	33.256	5.56	24.300	96.1	0.16
55	30.	16.687	33.359	5.52	24.329	95.8	0.17
41	32.	16.772	33.393	5.49	24.336	95.8	0.17
49	34.	16.859	33.437	5.49	24.349	95.8	0.17
63	36.	16.897	33.455	5.44	24.354	96.0	0.16
33	38.	17.009	33.497	5.44	24.360	95.9	0.17
57	40.	17.146	33.570	5.45	24.383	96.0	0.17
37	42.	17.476	33.739	5.41	24.435	96.0	0.16
60	44.	17.558	33.770	5.39	24.438	96.2	0.16
59	46.	18.027	33.986	5.29	24.490	96.4	0.15
59	48.	18.425	34.189	5.14	24.547	96.7	0.13
51	50.	19.259	34.777	4.97	24.785	96.9	0.13
59	52.	19.376	34.953	4.88	24.890	97.0	0.12
47	54.	18.885	34.890	4.90	24.968	97.0	0.12
66	56.	18.408	34.854	4.91	25.060	96.9	0.13
59	58.	17.300	34.745	5.01	25.248	96.8	0.13
48	60.	17.116	34.763	4.98	25.306	96.8	0.13
61	62.	17.005	34.765	4.96	25.334	96.8	0.13
66	64.	16.892	34.774	4.95	25.368	96.8	0.13
62	66.	16.048	34.756	5.02	25.550	96.9	0.12
42	68.	15.154	34.737	5.07	25.736	97.1	0.12
71	70.	14.636	34.709	5.01	25.828	97.2	0.11
50	72.	14.359	34.693	4.95	25.875	97.3	0.11
57	74.	14.178	34.684	4.95	25.906	97.3	0.11
66	76.	13.614	34.588	4.99	25.950	97.3	0.11
58	78.	13.177	34.565	4.99	26.021	97.4	0.10
63	80.	12.984	34.582	4.92	26.073	97.5	0.10
30	82.	12.586	34.566	4.93	26.140	97.5	0.10
58	84.	11.681	34.414	5.03	26.195	97.2	0.11
48	86.	11.053	34.341	4.97	26.253	97.0	0.12
31	88.	10.860	34.330	4.98	26.279	97.0	0.12
58	90.	10.932	34.365	4.96	26.294	97.0	0.12
40	92.	11.008	34.420	4.93	26.323	97.0	0.12
45	94.	11.152	34.472	4.92	26.337	97.1	0.12
63	96.	11.502	34.595	4.81	26.368	97.2	0.11
60	98.	12.173	34.811	4.70	26.410	97.4	0.10
68	100.	12.591	34.939	4.60	26.428	97.5	0.10

STA 57 DAY: 23 TIME: 2033

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
38	102.	12.832	35.010	4.53	26.435	97.6	0.10
48	104.	12.739	34.991	4.52	26.439	97.6	0.10
28	106.	12.872	35.034	4.48	26.446	97.7	0.09
48	108.	13.101	35.122	4.45	26.468	97.7	0.09
69	110.	12.765	35.039	4.46	26.470	97.7	0.09
54	112.	12.560	35.029	4.47	26.504	97.7	0.09
67	114.	12.725	35.088	4.44	26.516	97.7	0.09
51	116.	12.687	35.083	4.43	26.521	97.7	0.09
53	118.	12.716	35.112	4.41	26.537	97.8	0.09
51	120.	12.889	35.206	4.38	26.576	97.7	0.09
72	122.	13.232	35.328	4.29	26.601	97.7	0.09
41	124.	13.473	35.410	4.24	26.615	97.8	0.09
80	126.	13.603	35.451	4.20	26.619	97.8	0.09
36	128.	13.640	35.464	4.19	26.622	97.8	0.09
41	130.	13.817	35.533	4.16	26.638	97.9	0.08
30	132.	13.879	35.554	4.15	26.641	98.0	0.08
22	134.	13.666	35.510	4.18	26.652	98.0	0.08
42	136.	13.536	35.481	4.18	26.656	98.0	0.08
35	138.	13.585	35.512	4.17	26.671	98.0	0.08
46	140.	13.611	35.521	4.15	26.673	97.9	0.08
90	142.	13.613	35.525	4.11	26.675	98.0	0.08
41	144.	13.554	35.552	4.13	26.708	98.0	0.08
38	146.	13.542	35.558	4.11	26.715	98.0	0.08
88	148.	13.550	35.565	4.09	26.719	98.1	0.08
25	150.	13.574	35.574	4.09	26.721	98.1	0.07
34	152.	13.627	35.599	4.08	26.730	98.2	0.07
83	154.	13.652	35.610	4.06	26.733	98.2	0.07
57	156.	13.532	35.598	4.08	26.748	98.2	0.07
41	158.	13.436	35.588	4.07	26.760	98.2	0.07
59	160.	13.428	35.590	4.04	26.763	98.2	0.07
31	162.	13.419	35.590	4.05	26.765	98.1	0.07
63	164.	13.449	35.606	4.03	26.772	98.2	0.07
56	166.	13.439	35.608	4.02	26.775	98.2	0.07
60	168.	13.389	35.604	3.99	26.783	98.2	0.07
65	170.	13.264	35.602	3.98	26.806	98.2	0.07
46	172.	13.247	35.613	3.94	26.819	98.2	0.07
35	174.	13.251	35.623	3.93	26.825	98.2	0.07
39	176.	13.244	35.624	3.90	26.828	98.2	0.07
21	178.	13.220	35.629	3.88	26.836	98.2	0.07
35	180.	13.209	35.639	3.88	26.847	98.2	0.07
39	182.	13.221	35.653	3.85	26.854	98.2	0.07
46	184.	13.202	35.650	3.83	26.856	98.2	0.07
64	186.	13.113	35.631	3.81	26.860	98.2	0.07
28	188.	13.022	35.620	3.80	26.869	98.1	0.08
55	190.	12.980	35.617	3.79	26.876	98.0	0.08
72	192.	12.942	35.616	3.76	26.882	98.0	0.08
61	194.	12.898	35.609	3.73	26.886	98.0	0.08
56	196.	12.625	35.570	3.74	26.910	98.0	0.08
81	198.	12.450	35.559	3.69	26.936	98.0	0.08
51	200.	12.406	35.557	3.64	26.944	98.0	0.08

STA 57 DAY: 23 TIME: 2033

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
33	202.	12.392	35.556	3.63	26.945	98.0	0.08
72	204.	12.392	35.556	3.63	26.946	98.0	0.08
56	206.	12.404	35.558	3.63	26.945	98.0	0.08
67	208.	12.402	35.558	3.63	26.945	97.9	0.08
46	210.	12.412	35.558	3.63	26.943	97.8	0.09
77	212.	12.420	35.558	3.63	26.942	97.8	0.09
70	214.	12.420	35.558	3.63	26.942	97.8	0.09
63	216.	12.415	35.558	3.63	26.943	97.9	0.08
39	218.	12.421	35.559	3.63	26.942	97.9	0.09
69	220.	12.442	35.559	3.64	26.938	97.8	0.09
12	221.	12.440	35.558	3.64	26.938	97.8	0.09
44	222.	12.426	35.559	3.64	26.941	97.8	0.09
30	223.	12.402	35.557	3.64	26.944	97.8	0.09
49	224.	12.385	35.556	3.63	26.947	97.8	0.09
40	225.	12.377	35.557	3.62	26.949	97.8	0.09
34	226.	12.325	35.550	3.61	26.954	97.8	0.09
18	227.	12.180	35.535	3.60	26.970	97.7	0.09
39	228.	11.972	35.503	3.57	26.986	97.3	0.11
60	229.	11.801	35.493	3.56	27.011	97.0	0.12
17	230.	11.754	35.487	3.55	27.015	97.0	0.12

STA 58 DAY: 23 TIME: 2124

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
3.5	17.0	65.6	16.0
6.7	17.0	66.7	15.5
8.5	17.0	68.7	15.0
9.5	17.0	69.8	14.0
11.2	17.0	69.9	13.0
12.3	17.0	70.7	12.0
13.7	17.0	71.3	11.5
15.6	17.0	73.7	11.0
17.6	17.0	75.3	10.6
19.1	17.0	77.1	10.5
21.1	17.1	78.9	10.5
23.1	17.1	81.3	10.6
26.1	17.1	82.0	10.7
28.5	17.1	82.6	10.9
30.7	17.2	83.1	11.0
32.9	17.2	83.7	11.0
34.7	17.3	85.2	11.1
37.5	17.3	87.6	11.1
39.2	17.3	88.7	11.1
40.7	17.3	89.8	11.1
41.4	17.4	91.8	11.0
41.7	17.5	93.3	11.0
42.2	17.6	94.7	10.9
42.4	17.7	95.8	11.0
42.6	17.8	97.7	11.1
43.2	18.0	99.3	11.2
43.5	18.1	101.2	11.3
44.1	18.2	101.8	11.4
44.5	18.3	102.7	11.6
45.4	18.4	103.8	11.8
45.9	18.5	104.7	12.0
46.8	18.6	106.0	12.2
47.9	18.6	107.6	12.3
49.6	18.6	108.6	12.4
50.6	18.6	109.7	12.7
51.0	18.7	110.9	12.8
51.7	18.8	112.0	12.9
52.0	18.9	114.3	12.9
52.1	19.0	117.7	12.8
52.3	19.1	118.4	13.0
52.8	19.2	119.1	13.1
53.0	19.3	121.5	13.2
54.3	19.3	123.1	13.3
56.5	19.3	124.7	13.3
57.3	19.1	127.7	13.4
59.6	18.6	129.6	13.4
61.6	18.0	132.6	13.4
62.4	17.5	135.0	13.4
63.7	17.0	138.2	13.4
64.6	16.5	140.7	13.4

STA 59 DAY: 23 TIME: 2144

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
44	2.	15.638	32.938	5.46	24.244	93.6	0.26
59	4.	15.643	32.940	5.54	24.244	93.6	0.26
61	6.	15.639	32.939	5.54	24.244	93.6	0.26
45	8.	15.636	32.938	5.59	24.244	93.6	0.26
53	10.	15.644	32.940	5.61	24.244	93.5	0.27
43	12.	15.646	32.940	5.57	24.244	93.3	0.28
49	14.	15.647	32.940	5.60	24.244	93.4	0.27
71	16.	15.642	32.940	5.61	24.244	93.4	0.27
66	18.	15.637	32.938	5.60	24.244	93.3	0.28
36	20.	15.642	32.939	5.61	24.244	93.4	0.27
73	22.	15.639	32.938	5.63	24.244	93.3	0.28
56	24.	15.642	32.939	5.63	24.243	93.0	0.29
61	26.	15.636	32.937	5.66	24.244	93.4	0.27
61	28.	15.634	32.937	5.66	24.244	93.4	0.27
49	30.	15.626	32.935	5.69	24.244	93.4	0.27
64	32.	15.858	33.030	5.65	24.266	93.5	0.27
55	34.	17.004	33.527	5.46	24.384	94.3	0.24
30	36.	19.579	34.584	5.10	24.556	96.0	0.16
78	38.	20.474	34.938	5.02	24.590	97.1	0.12
36	40.	20.247	34.869	4.94	24.598	97.2	0.11
42	42.	19.679	34.713	4.94	24.628	97.3	0.11
68	44.	19.029	34.535	4.88	24.660	97.2	0.11
49	46.	16.619	33.876	5.08	24.742	96.9	0.13
46	48.	13.894	33.272	5.33	24.874	96.6	0.14
80	50.	12.882	33.056	5.35	24.911	96.6	0.14
52	52.	12.475	32.968	5.38	24.922	96.6	0.14
43	54.	11.809	32.891	5.49	24.988	96.7	0.13
77	56.	11.408	32.872	5.52	25.046	96.8	0.13
42	58.	11.080	32.916	5.53	25.139	96.7	0.13
55	60.	11.358	33.062	5.49	25.203	96.6	0.14
45	62.	11.466	33.124	5.44	25.231	96.6	0.14
60	64.	11.443	33.132	5.43	25.242	96.4	0.14
44	66.	11.179	33.105	5.45	25.269	96.2	0.15
55	68.	10.999	33.095	5.43	25.293	96.0	0.16
34	70.	10.929	33.153	5.43	25.351	96.1	0.16
65	72.	10.454	33.147	5.47	25.428	95.8	0.17
50	74.	10.548	33.207	5.41	25.459	95.6	0.18
32	76.	10.698	33.262	5.37	25.476	95.4	0.19
45	78.	11.167	33.479	5.29	25.562	95.3	0.19
36	80.	11.313	33.574	5.28	25.610	95.9	0.17
32	82.	11.197	33.585	5.32	25.639	96.0	0.16
78	84.	11.146	33.594	5.26	25.655	95.9	0.17
41	86.	10.842	33.569	5.27	25.690	95.8	0.17
30	88.	10.342	33.552	5.35	25.764	95.1	0.20
40	90.	10.657	33.751	5.24	25.864	95.3	0.19
32	92.	10.688	33.849	5.21	25.935	95.3	0.19
21	94.	10.750	33.920	5.17	25.980	95.1	0.20
42	96.	10.900	34.026	5.11	26.036	95.2	0.20
50	98.	10.937	34.071	5.08	26.064	95.8	0.17
47	100.	11.390	34.246	4.99	26.118	96.3	0.15

STA 59 _ DAY: 23 TIME: 2144

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
43	102.	11.664	34.369	4.96	26.163	96.6	0.14
68	104.	11.744	34.411	4.91	26.181	96.6	0.14
31	106.	11.566	34.382	4.88	26.191	96.3	0.15
23	108.	11.368	34.361	4.88	26.211	94.9	0.21
59	110.	11.652	34.604	4.77	26.347	93.1	0.28
7	111.	11.865	34.752	4.54	26.423	91.5	0.36
12	112.	11.935	34.795	4.52	26.443	91.0	0.38
9	113.	12.174	34.908	4.48	26.485	89.6	0.44
8	114.	12.386	35.024	4.44	26.534	86.1	0.60
9	115.	12.403	35.052	4.42	26.552	83.9	0.70
11	116.	12.411	35.057	4.42	26.555	83.1	0.74
18	117.	12.417	35.060	4.36	26.556	82.4	0.77
11	118.	12.421	35.059	4.21	26.554	81.8	0.80
16	119.	12.423	35.061	4.21	26.555	81.8	0.80
38	120.	12.425	35.061	4.20	26.555	81.9	0.80
31	121.	12.426	35.063	4.18	26.556	81.9	0.80
25	122.	12.426	35.061	4.18	26.555	81.9	0.80
32	123.	12.433	35.066	4.19	26.557	81.8	0.80
27	124.	12.434	35.067	4.19	26.558	81.8	0.81
40	125.	12.441	35.071	4.19	26.560	81.6	0.81
17	126.	12.451	35.078	4.19	26.563	81.2	0.83
35	127.	12.452	35.078	4.19	26.563	81.2	0.83
13	128.	12.446	35.075	4.20	26.561	81.2	0.83

STA 60 DAY: 23 TIME: 2230

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
3.0	17.0	67.6	12.0
4.3	17.0	68.7	10.8
6.0	17.0	69.5	11.1
7.6	17.0	70.5	11.6
9.1	17.0	71.9	12.0
10.1	17.0	72.5	11.5
10.6	17.0	73.0	11.0
12.3	17.0	72.6	10.7
13.7	17.0	73.3	10.5
15.3	17.1	73.8	10.2
16.4	17.1	74.0	10.1
17.8	17.1	76.9	10.0
19.3	17.1	78.3	10.1
20.2	17.1	79.3	10.2
21.4	17.1	80.9	10.1
22.7	17.0	82.3	10.0
24.1	17.0	84.4	10.0
25.1	17.0	86.6	10.0
26.3	17.0	88.7	9.9
28.0	17.1	90.8	9.9
29.2	17.1	92.8	9.9
30.4	17.2	93.9	10.1
31.6	17.2	95.5	10.3
32.8	17.2	96.3	10.4
33.7	17.3	97.2	10.6
35.0	17.3	98.9	10.8
36.5	17.3	100.9	10.8
37.0	17.3	101.0	10.6
39.3	17.3	102.2	10.5
41.0	17.3	103.8	10.6
43.0	17.3	105.2	10.6
44.0	17.3	106.7	10.8
47.6	17.4	108.2	10.9
50.6	17.5	109.0	11.1
51.9	17.5	110.0	11.3
53.0	17.9	110.4	11.5
53.6	18.0	112.2	11.6
55.4	18.3	113.9	11.7
56.2	18.5	114.9	11.9
57.1	18.9	115.2	12.0
58.0	19.1	115.5	12.1
60.2	19.6	117.3	12.2
61.4	19.1	118.9	12.3
61.9	18.0		
62.5	17.0		
63.7	16.5		
65.0	16.0		
66.3	15.0		
66.7	14.0		
67.3	13.0		

STA 61 DAY: 23 TIME: 2251

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
3	3.	16.471	33.229	5.47	24.280	94.4	0.23
33	4.	16.448	33.197	5.43	24.260	94.4	0.23
49	6.	16.445	33.187	5.50	24.253	94.4	0.23
28	8.	16.436	33.225	5.51	24.284	94.4	0.23
29	10.	16.431	33.229	5.52	24.289	94.4	0.23
27	12.	16.428	33.228	5.57	24.289	94.4	0.23
25	14.	16.434	33.230	5.61	24.289	94.2	0.24
20	16.	16.436	33.232	5.63	24.289	94.5	0.23
20	18.	16.452	33.237	5.64	24.290	94.5	0.23
23	20.	16.457	33.239	5.64	24.290	94.7	0.22
21	22.	16.448	33.235	5.65	24.290	94.7	0.22
17	24.	16.443	33.235	5.60	24.290	94.7	0.22
19	26.	16.442	33.235	5.59	24.291	94.7	0.22
21	28.	16.439	33.238	5.54	24.294	94.7	0.22
18	30.	16.438	33.239	5.45	24.294	94.7	0.22
19	32.	16.441	33.240	5.31	24.295	94.7	0.22
18	34.	16.439	33.241	5.12	24.296	94.8	0.21
15	36.	16.502	33.087	4.87	24.163	95.3	0.19
14	38.	14.405	32.731	5.11	24.350	96.3	0.15
14	40.	12.409	32.576	5.40	24.630	95.8	0.17
17	42.	11.817	32.521	5.50	24.699	95.2	0.20
18	44.	11.396	32.515	5.57	24.771	94.9	0.21
18	46.	11.337	32.574	5.57	24.827	94.0	0.25
20	48.	11.342	32.588	5.56	24.837	93.8	0.26
23	50.	11.318	32.607	5.57	24.856	93.5	0.27
19	52.	11.448	32.729	5.53	24.928	93.4	0.27
15	54.	11.843	32.825	5.42	24.930	93.4	0.27
14	56.	11.172	32.815	5.53	25.045	93.2	0.28
17	58.	11.320	32.940	5.47	25.115	93.9	0.25
20	60.	12.393	33.234	5.14	25.144	95.9	0.17
18	62.	11.271	33.290	5.21	25.396	96.0	0.16
15	64.	10.247	33.223	5.37	25.523	95.6	0.18
15	66.	9.892	33.269	5.45	25.619	95.4	0.19
23	68.	10.002	33.301	5.40	25.626	95.4	0.19
18	70.	10.124	33.343	5.34	25.637	95.5	0.18
13	72.	10.351	33.399	5.27	25.643	95.6	0.18
15	74.	10.552	33.442	5.21	25.642	95.2	0.20
24	76.	10.126	33.483	5.27	25.747	92.5	0.31
28	78.	10.012	33.490	5.26	25.772	90.7	0.39
22	80.	10.032	33.550	5.25	25.815	86.0	0.60
5	81.	10.068	33.586	5.23	25.837	85.0	0.65
11	82.	10.093	33.595	5.21	25.839	84.8	0.66
10	83.	10.123	33.610	5.20	25.846	84.4	0.68
9	84.	10.160	33.630	5.18	25.855	83.7	0.71
8	85.	10.176	33.642	5.16	25.862	83.0	0.75
7	86.	10.182	33.647	5.15	25.866	82.5	0.77
8	87.	10.185	33.650	5.16	25.867	82.1	0.79
7	88.	10.189	33.652	5.16	25.868	81.5	0.82
9	89.	10.195	33.655	5.14	25.869	81.2	0.83
12	90.	10.201	33.659	5.15	25.871	81.4	0.82

STA 61 DAY: 23 TIME: 2251

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
15	91.	10.224	33.669	5.15	25.875	81.3	0.83
40	92.	10.234	33.672	5.14	25.876	81.7	0.81
27	93.	10.228	33.671	5.12	25.876	81.0	0.84
15	94.	10.236	33.674	5.11	25.877	80.0	0.89
13	95.	10.244	33.677	5.09	25.878	79.9	0.90
15	96.	10.250	33.680	5.09	25.879	80.3	0.88
30	97.	10.258	33.685	5.11	25.882	80.5	0.87
15	98.	10.259	33.686	5.10	25.882	80.9	0.85

STA 62 DAY: 23 TIME: 2337

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
6.1	15.5	60.6	10.9
7.9	15.5	61.4	10.8
10.4	15.5	62.7	10.7
12.1	15.5	64.3	10.6
13.8	15.5	66.0	10.6
16.0	15.5	68.4	10.5
18.1	15.5	69.6	10.6
19.4	15.5	70.9	10.7
20.2	15.6	72.9	10.7
22.0	15.6	74.4	10.6
23.2	15.7	75.9	10.6
23.7	15.7	77.8	10.7
24.2	15.8	79.7	10.7
24.7	15.9	81.3	10.7
24.8	15.9	82.8	10.7
25.5	16.0	84.7	10.7
26.4	16.1	87.2	10.7
27.3	16.2		
28.6	16.3		
30.3	16.3		
31.2	16.2		
31.9	16.0		
33.3	15.7		
34.1	15.4		
35.0	15.1		
36.3	15.0		
37.5	14.8		
38.0	14.5		
39.1	14.2		
39.8	14.1		
41.0	14.0		
43.0	13.7		
43.3	13.5		
44.4	13.4		
45.0	13.2		
45.2	13.0		
45.8	12.6		
46.1	12.5		
46.8	12.2		
47.1	12.0		
48.1	11.7		
49.3	11.7		
51.0	11.5		
52.2	11.4		
53.8	11.4		
54.9	11.3		
56.5	11.2		
58.0	11.2		
59.3	11.1		
59.8	11.0		

STA 63 DAY: 23 TIME: 2358

NAVE	PRESS (dbar)	TEMP (°C)	SALIN (psu)	DOX (ml/l)	SIGMAT (gm/cm^3)	% XM (%)	ATN (m^{-1})
38	3.	15.309	32.725	5.67	24.153	93.9	0.25
49	4.	15.316	32.721	5.72	24.148	94.1	0.25
67	6.	15.316	32.722	5.77	24.148	93.7	0.26
28	8.	15.317	32.721	5.79	24.148	94.1	0.25
56	10.	15.319	32.723	5.77	24.148	94.0	0.25
48	12.	15.315	32.722	5.81	24.148	93.8	0.26
45	14.	15.318	32.723	5.79	24.149	93.8	0.25
50	16.	15.315	32.722	5.77	24.149	93.9	0.25
50	18.	15.338	32.734	5.77	24.153	94.1	0.24
28	20.	15.368	32.748	5.75	24.158	94.2	0.24
72	22.	15.411	32.764	5.72	24.160	94.4	0.23
29	24.	15.477	32.793	5.72	24.168	94.8	0.22
57	26.	15.542	32.814	5.69	24.169	95.0	0.21
61	28.	15.601	32.842	5.67	24.178	95.3	0.19
61	30.	15.841	32.954	5.61	24.211	96.2	0.16
70	32.	15.794	32.954	5.60	24.222	96.3	0.15
45	34.	15.598	32.921	5.62	24.239	96.2	0.15
49	36.	15.591	32.934	5.59	24.251	96.3	0.15
70	38.	15.607	32.947	5.58	24.257	96.3	0.15
29	40.	15.614	32.954	5.55	24.261	96.4	0.14
44	42.	15.579	32.970	5.53	24.281	96.6	0.14
38	44.	15.577	32.986	5.51	24.294	96.5	0.14
33	46.	15.533	32.991	5.47	24.308	96.6	0.14
62	48.	15.471	33.009	5.38	24.335	96.7	0.13
45	50.	15.083	33.023	5.24	24.431	96.6	0.14
35	52.	14.157	32.934	5.28	24.559	96.3	0.15
58	54.	13.453	32.827	5.22	24.620	96.5	0.14
41	56.	12.435	32.662	5.16	24.692	96.1	0.16
62	58.	11.587	32.545	5.23	24.760	95.3	0.19
54	60.	11.303	32.551	5.20	24.815	93.4	0.27
8	61.	11.287	32.582	5.16	24.843	91.5	0.35
16	62.	11.298	32.594	5.15	24.850	91.0	0.38
30	63.	11.403	32.638	5.13	24.865	90.1	0.42
32	64.	11.441	32.661	5.03	24.876	88.3	0.50
20	65.	11.307	32.652	5.01	24.894	85.8	0.61
17	66.	10.929	32.619	5.05	24.935	83.5	0.72
19	67.	10.770	32.614	5.07	24.959	82.2	0.79
24	68.	10.728	32.610	5.06	24.963	81.3	0.83
30	69.	10.702	32.608	5.09	24.966	80.8	0.85
25	70.	10.691	32.605	5.05	24.966	79.4	0.92
16	71.	10.676	32.604	5.03	24.967	77.3	1.03
11	72.	10.664	32.603	5.03	24.969	75.6	1.12
11	73.	10.656	32.604	5.03	24.971	75.5	1.13
14	74.	10.649	32.605	5.02	24.973	75.7	1.11
19	75.	10.645	32.605	5.02	24.973	75.2	1.14
12	76.	10.621	32.608	5.03	24.980	73.2	1.25
29	77.	10.599	32.612	5.03	24.986	70.5	1.40
28	78.	10.595	32.613	4.98	24.988	58.7	2.13

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)