U.S. DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

HYDROGRAPHY OF NEW ENGLAND SHELF AND SLOPE

DATA REPORT FOR R/V OCEANUS CRUISE 113, JANUARY 29-FEBRUARY 3, 1982

by

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HYDROGRAPHY OF LYDONIA CANYON:

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INTRODUCTION

This report presents hydrographic data obtained on R/V OCEANUS cruise 113, conducted from January 26 to February 4, 1982. The hydrographic measurements (temperature, salinity, oxygen, and light transmission) were obtained across the continental slope and upper rise south of New England (between longitude 67°30' W., and longitude 68°30'W.) as part of a study of currents and sediment transport in this region.

During the R/V OCEANUS cruise 113, a total of 72 hydrographic profiles were obtained, 41 by means of a conductivity-temperature-depth (CTD) profiler and 31 by means of expendable bathythermographs (XBTs). Stations are numbered sequentially and station information is tabulated in table 1. The stations were arranged into ten sections. Six sections (10-20 km apart) began in a water depth of about 80 m and crossed the upper slope to a depth of about 1500 m (fig. 1). Three sections crossed Lydonia and Oceanographer canyons perpendicular to the canyon axis and one short section was within the upper axis of Lydonia Canyon (fig. 2).

OBJECTIVES

This survey was designed to provide hydrographic sections in and adjacent to Lydonia, Gilbert, and Oceanographer Canyons during the winter of 1982. The sections were designed to aid in the interpretation of currents, temperature, pressure and light transmission measured by a large moored instrument array (fig. 3) located around Lydonia and Oceanographer Canyons (Butman and others, 1983; Butman and Conley, 1984).

STATION PROCEDURES

At each XBT station, a water sample for surface salinity (table 2) was 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. The CTD was lowered and held slightly below the surface while a 5-liter Niskin bottle was attached 4 m above the top of the CTD unit and CTD surface readings, latitude, longitude, and water depth were recorded in a deck log. The CTD was then lowered at approximately 30 m/min and stopped approximately 2-5 m above bottom. After the deepest readings were recorded, the Niskin bottle was closed by a messenger and a water sample was obtained. The CTD was then raised at approximately 50 m/min and stopped at the surface while CTD readings were recorded in the deck log. The Niskin bottle was removed and one water sample was withdrawn for measurement of salinity (table 2) and 1 to 3 samples for measurement of oxygen (table 2); approximately 2 liters of sea

water were withdrawn for determination of suspended matter concentration (table 3). Bottle samples were not obtained at all depth because of some bottle malfunctions. Salinity samples were obtained at 55 stations. Oxygen samples were obtained at nine stations for calibration checks of the CTD (see table 2 and instrument calibration section). Suspended-matter concentration was measured at 11 stations by filtering the seawater through preweighed, paired 0.45-µm Millipore filters, air drying the filters under a laminar flow hood and reweighing. The suspended matter and the corresponding light attenuation coefficient at the sample depth are listed in table 3. Meterological observations obtained during the cruise are listed in tables 4 and 5.

INSTRUMENT DESCRIPTION

The CTD profiler (Neil Brown Instrument Systems, Mark III) was modified to also measure oxygen and light transmission. A scan of data (conductivity, temperature, pressure, oxygen current, oxygen temperature, and light transmission) was obtained 32 times each second. Conductivity was measured with a miniature four-electrode alumina ceramic cell (Neil Brown Instrument Systems, model no. B10086). 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 a time average measurement (1.024 s) of the current and internal temperature of a polargraphic membrane (Beckman model no. 147737). Light transmission was measured using a Sea Tech 25-cm path length transmissometer (Bartz and others, 1978) mounted horizontally inside the CTD cage. The light source was a light-emitting diode with a wavelength of 660 nm and a beam diameter of 20 mm. All sensor ranges, accuracies, and resolutions from manufacturers' specifications are listed in Appendix II. For more detailed technical description of the CTD system, see Brown and Morrison (1978), and for more detailed description of field performance, see Fofonoff and others (1974).

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

The salinity of water samples collected during the CTD cast was measured with a salinometer (Guildline Autosal 8400) and the oxygen was measured according to the Winkler chemical titrations method (Strickland and Parson, 1972). The accuracies of both methods are listed in Appendix II.

Navigation was by a Northstar 6000 Loran-C, and latitude and longitude were determined by the Northstar 5101 algorithm. The Northstar latitude/longitude grid in this region is offset from true latitude/longitude by about 0.92 km toward 294.5° (Butman and Moody, 1984). Water depth at each station was measured with a Gifft echo sounder.

INSTRUMENT CALIBRATION

Temperature time-lag

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

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

A precruise laboratory calibration of the CTD temperature had been done on January 5, 1982 at the Woods Hole Oceanographic Institution (WHOI), and the temperature offset (calibration bath minus CTD) ranged between -0.0081°C at 5° and -0.0099°C at 15°C. No correction was made to the temperatures measured by the CTD to account for these offsets.

Salinity

Salinity in practical salinity units, psu, (Lewis, 1980) and sigma-t were calculated from conductivity, temperature, and pressure using the 1980 equation of state for seawater (Millero, 1980) and algorithms given by Fofonoff and Millard (1983). Salinity values of the bottle samples collected during CTD casts were determined using a salinometer (see Appendix II for accuracy). All 54 bottle salinities and the salinities computed from the CTD observations are listed in table 2. The surface and deep bottle salinities were not used as a calibration check of the CTD because (1) there were only two deep salinities and (2) the mean difference (bottle minus CTD) for the 28 surface salinities was 0.024 psu with a standard deviation of ±0.011 psu. Some of the difference between the bottle and CTD value of surface salinity could be due to the difference in depth of the CTD (2-7 dbar) compared with the depth of the bottle sample (0 dbar) and some of the difference could be due to possible contamination of the surface bottle samples by improper rinsing of the surface sampler. A precruise laboratory calibration of conductivity was done on January 5, 1982 at WHOI, and the offset (calibration bath minus CTD) ranged from 0.0058 mmhos and 0.0070 mmho, which corresponds to salinity offsets of 0.005 to 0.007 psu. Based on this laboratory calibration no correction was made to the salinities reported here.

Oxygen

Oxygen was computed using an algorithm (Owens and Millard, 1984) with six adjustable parameters (OXB, OCS, τ, tcor, WT, pcor) that were 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 ^{o}C
p	=	CTD pressure in dbar
OC	=	CTD oxygen current in μA
ot	=	CTD oxygen probe internal temperature in ^{o}C
OXB	=	oxygen current bias
OCS	=	oxygen current slope in μA^{-1}
τ	=	oxygen diffusion in time-lag constant in s
tcor	=	temperature correction factor ($^{o}C^{-1}$) 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 the Winkler chemical titration method for determining 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 the nine surface saturation values were included with the nine deep-water 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., 1985) at the Woods Hole Oceanographic Institution.

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

The parameters OCS, OXB, and WT were determined by a non-linear regression fit (SAS Institute, Inc., 1982) to the 18 calibration points. The values (± standard error) were OCS = 2.29±0.08, OXB = 0.23±0.03, and WT = 0.69±0.06.

The remaining parameter τ was determined by creating plots of down and upcast with different values of τ. The final value of τ = 12.00 s was chosen to minimize the hysteresis in regions of sharp gradients and still retain detailed structure. Table 2 compares the values obtained by chemical titration and the CTD-computed oxygen values for nine samples. The sample from station 18 was deleted from the non-linear regression fit because it did exceeded a minimum error criteria. The mean residual (measured minus computed) for all nine samples is -0.07 mL/L with a standard deviation of ±0.16 mL/L. The estimated error in oxygen (ΔO_2) due to the uncertainity in the sample depth was less than 0.06 mL/L for all stations (table 2).

Light transmission

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

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

where TR_{cw} is the voltage measured in clear water. TR_{cw} is approximately 0.95 times the measured voltage in air (Bartz and others, 1978) or can be determined in a laboratory tank (see Moody and others, 1986, for method). The transmission sensor (SN 46) was calibated in the laboratory before and after the cruise and gave a value of TR_{cw} equal to 4.53 volts.

Accuracy

Based on calibrations, the CTD temperature, salinity, and oxygen data are accurate to ±0.01°C, 0.01 psu and ±0.2 mL/L, respectively. The changes in the transmission voltage are accurate to ±0.04 volts so that with a typical output voltage of 4.00 volts the attenuation coefficient are accurate to about ±0.04 m^{-1}. Because there is some uncertainity in the normalization voltage for the transmissometer however, the absolute value of the coefficients could be offset by a constant.

DATA PROCESSING

The CTD data (pressure, temperature, conductivity, oxygen current, oxygen temperature, and light transmission) were recorded at sea on both 9-track magnetic tape (see Appendix III) and 1/4" FM tape. The data were processed ashore using the techniques described by Millard (1982). The original 9-track data tapes were first checked for proper format and station sequence, and the data were then transferred to disc storage. The data obtained on both upcast and downcast were subsampled (usually every 100 to 200 points), listed, and plotted to check instrument performance. Spurious points were identified and replaced with the previous good value using range filters for each variable. The ranges were typically 1 variable unit except for transmission, which was 0.05-0.10 volts. The conductivity and pressure data were time lagged to correct for the time constant of the temperature sensor (see above), and then the pressure was filtered to obtain a monotonically increasing series of water depths. Any unrealistic density inversions not deleted by the range filter were identified by a point-editing program and replaced by interpolating between adjacent values of density. The editor recomputed the salinity from the interpolated values of density and the original temperature. Any spurious points in light transmission and oxygen not already deleted by the range filter were deleted using the point editor. The data were averaged over 2-dbar pressure intervals; at about 10 dbar above the bottom, this was changed to a 1-dbar average. These averaged data were used to contour the hydrographic sections presented in this report. The data have been submitted to the National Oceanographic Data Center (NODC), Whitehaven St., NW, Washington, D. C., 20235.

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 irregular number of data points.

DATA PRODUCTS

Vertical sections

The hydrographic data are presented in several ways. Vertical sections are shown in figures 4-13. The sections are numbered as OC113-N, where N is the section number (see fig. 1 and 2 and column 2 of table 1). The station numbers for each section are labeled across the top along with the station type (C = CTD or X = XBT). The surface value of the contoured variable is printed below. The vertical scale (1 cm = 40 m) is the same for all sections. The horizontal scale (1 cm = 1 km) for the sections 3 and 4 across the canyon is not the same as the horizontal scale (1 cm = 6.5 km) for the sections parallel to the canyon axis (1, 2, and 5-10). The bathymetry for most sections is defined only by the depth at each station; thus the bottom profile is slightly different for sections where there are XBT stations in addition to the CTD stations. Contours were particularly difficult to draw near the walls in the cross-canyon sections (3, 4 and 9) where there was often only one station in the center of the axis.

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

The sections showing temperature, salinity, sigma-t, and oxygen used the 2-dbar-averaged data which 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, L, 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. A grid cell was 10 m high and L/(2N-2) km wide.

Data values at each regularly spaced grid point were computed as a weighted average of the irregularly spaced data within a region of usually five grid cells (1 cell centered on the grid point and 2 cells on either side). 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 rectangular format. For the sections in this data report, the left and right boundaries are the left and right vertical grid lines, the top boundary was the sea surface, and the bottom boundary was the deepest cast in the section. To speed contouring and to obtain reasonable contours at the sea floor, data were provided below the measurement depth by repeating the data measured at the greatest depth to a

distance H into the bottom below the last measured value. Data below the distance H were taken from values observed at an adjacent (deeper) station, shifted upward or downward by a constant so that the values matched at the starting depth. In some cases the values from an adjacent station were inserted below the depth H without adjusting by a constant. The constant distance below H ranged from 0 to 100 m and was adjusted for each station to make the contours meet the sea floor in as reasonable a way as possible. The shape and slope of the contours near the sea floor should be interpreted with care. Contours below the sea floor were deleted in the sections presented here.

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

Horizontal sections

Horizontal sections of temperature, salinity, sigma-t, oxygen and light attenuation were contoured for the 10-, 50-, 100-, and 200- dbars pressure surfaces within the region between Oceanographer and Lydonia Canyon (figs. 14-18) and within the smaller region surrounding Lydonia Canyon (figs. 19-39). Because of the sparse data, all horizontal sections were contoured by hand.

TS diagrams

Plots of temperature versus salinity (TS plots, figs. 40-52) were organized by section (see column 2 of table 1). The symbol for each station was plotted every 100 dbar and the 100-, 200- and 500-dbar points have been annotated.

Station profiles

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

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

(ρ = water density, g = gravity) as a function of pressure at each station are shown in figures 53-122. For the Brunt-Vaisala frequency, density was determined using the 1980 equation of state (Millero and others, 1980), and the gradient of the specific volume anomaly was estimated from a least squares fit of a straight line to nine observations (±8 dbar) centered about the specified depth. The Brunt-Vaisala frequency was not computed for the first four average depths nor for the last four average depths; the magnitudes of N listed at these depths are the same as the Brunt-Vaisala frequency for the fifth and fifth-to-last depths, respectively. The different symbols used to distinguish variables are shown on each variable axis. XBT profiles have been limited to 500 m. The units of salt are practical salinity units (psu) and are defined by Lewis (1980).

Data listing

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

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Table 1. Hydrographic stations R/V OCEANUS Cruise 113, January 26-February 4, 1982 .

Station	Section	Date	Time	Latitude (N.)	Longitude (W.)	Water Depth (m)	Type
1	1	JAN 29	2109	40 25.29'	67 39.97'	480	CTD
2	1	JAN 29	2225	40 28.13'	67 40.86'	470	CTD
3	1	JAN 30	0900	40 31.65'	67 43.00'	270	CTD
4		JAN 31	0626	40 22.59'	67 32.02'	330	CTD
5	2	FEB 2	0835	40 40.65'	67 39.65'	75a	CTD
6	2	FEB 2	0918	40 35.67'	67 38.27'	95b	XBT
7	4,2	FEB 2	0950	40 32.36'	67 37.00'	127	CTD
8	2	FEB 2	1031	40 27.80'	67 35.14'	142	XBT
9	2	FEB 2	1105	40 22.98'	67 32.89'	255	CTD
10	2	FEB 2	1147	40 19.94'	67 31.34'	855b	XBT
11	2	FEB 2	1213	40 16.55'	67 30.27'	1310	CTD
12	5	FEB 2	1330	40 17.61'	67 39.28'	1440	CTD
13	5	FEB 2	1422	40 21.38'	67 39.62'	770b	XBT
14	5	FEB 2	1435	40 24.02'	67 39.73'	605b	XBT
15	3	FEB 2	1906	40 27.46'	67 37.03'	145	CTD
16	3	FEB 2	1941	40 26.60'	67 38.31'	160	CTD
17	3	FEB 2	2012	40 26.90'	67 38.93'	375	CTD
18	5,3	FEB 2	2040	40 26.71'	67 39.70'	565	CTD
19	3	FEB 2	2108	40 26.64'	67 40.35'	265	CTD
20	3	FEB 2	2126	40 26.60'	67 40.69'	195	CTD
21	3	FEB 2	2132	40 26.60'	67 40.90'	160	CTD
22	3	FEB 2	2200	40 26.49'	67 41.64'	145	CTD
23	3	FEB 2	2220	40 26.37'	67 43.28'	140b	XBT
24	3	FEB 2	2231	40 26.03'	67 44.07'	145	CTD
25		FEB 2	2350	40 28.37'	67 42.63'	207b	XBT
26	5	FEB 2	2300	40 29.22'	67 42.00'	370b	XBT
27	5	FEB 2	2322	40 31.03'	67 42.79'	260b	CTD
28	4	FEB 2	2352	40 31.64'	67 42.07'	145	CTD
29	4	FEB 3	0004	40 31.65'	67 42.53'	265	CTD
30	5,4	FEB 3	0021	40 31.79'	67 42.98'	248b	CTD
31	4	FEB 3	0053	40 31.52'	67 43.13'	195	CTD
32	5	FEB 3	0120	40 33.19'	67 44.75'	118b	XBT
33	5	FEB 3	0132	40 33.83'	67 45.36'	103	CTD
34	5	FEB 3	0205	40 36.76'	67 46.62'	85	XBT
35	5	FEB 3	0219	40 39.08'	67 47.53'	82	CTD

Table 1. Hydrographic station R/V OCEANUS Cruise 113, January 26-February 4, 1982

Station	Section	Date	Time	Latitude (N.)	Longitude (W.)	Water Depth (m)	Type
36	6	FEB 3	0311	40 34.02'	67 50.59'	95	CTD
37	6	FEB 3	0352	40 29.86'	67 48.67'	116b	XBT
38	6	FEB 3	0440	40 25.82'	67 47.39'	152	CTD
39	6	FEB 3	0532	40 21.44'	67 45.69'	190b	XBT
40	6	FEB 3	0624	40 15.01'	67 43.79'	1200	CTD
41		FEB 3	0719	40 15.11'	67 49.91'	1300	XBT
42	7	FEB 3	0759	40 14.16'	67 59.59'	1050	CTD
43	7	FEB 3	0840	40 17.63'	67 59.70'	260	XBT
44	7	FEB 3	0900	40 20.90'	67 59.90'	145	XBT
45	7	FEB 3	0920	40 24.49'	68 0.03'	144	CTD
46	7	FEB 3	0951	40 28.05'	68 0.45'	135	XBT
47	7	FEB 3	1010	40 31.43'	68 0.60'	110	XBT
48	7	FEB 3	1030	40 35.08'	68 1.78'	108	CTD
49		FEB 3	1123	40 35.22'	68 2.08'	95	XBT
50		FEB 3	1142	40 36.17'	68 10.00'	95	XBT
51	8	FEB 3	1332	40 37.85'	68 17.68'	83	CTD
52	8	FEB 3	1409	40 34.97'	68 14.61'	96	XBT
53	8	FEB 3	1454	40 31.27'	68 14.64'	103	CTD
54	8	FEB 3	1519	40 30.62'	68 12.55'	110	XBT
55	8	FEB 3	1536	40 29.53'	68 10.65'	173	CTD
56		FEB 3	1644	40 27.63'	68 10.91'	134	XBT
57		FEB 3	1622	40 26.21'	68 11.06'	138	XBT
58	9	FEB 3	1630	40 24.98'	68 11.05'	143	XBT
59	9,8	FEB 3	1642	40 25.01'	68 10.00'	155	CTD
60	9	FEB 3	1704	40 25.03'	68 9.00'	240c	NG
61	9,8	FEB 3	1718	40 25.08'	68 7.86'	535	CTD
62	9	FEB 3	1756	40 24.86'	68 6.52'	167	NG
63	9	FEB 3	1803	40 24.99'	68 5.92'	150	CTD
64	9	FEB 3	1822	40 25.02'	68 5.02'	148	XBT
65	8	FEB 3	1857	40 20.85'	68 8.44'	680	XBT
66	8	FEB 3	1932	40 16.09'	68 5.95'	930	CTD
67	10	FEB 3	2035	40 12.97'	68 14.10'	635	CTD
68	10	FEB 3	2111	40 15.65'	68 16.08'	415d	XBT
69	10	FEB 3	2130	40 19.07'	68 18.50'	150d	XBT
70	10	FEB 3	2151	40 22.04'	68 20.52'	123	CTD
71	10	FEB 3	2221	40 25.51'	68 23.23'	105	XBT
72	10	FEB 3	2241	40 29.01'	68 25.42'	95	CTD

a--estimated from chart #13200
b--estimated from USGS MF-1710
c--estimated from USGS MF-1531
d--estimated from XBT trace
NG-XBT malfunctioned

Table 2. -Calibration data for R/V OCEANUS Cruise 113, January 29-February 3, 1982.

Station (dbar)	Sample depth[a] Bottle	Salinity (psu)	CTD[b]	Residual[c]	Oxygen (ml/l) Bottle ±S.D.	CTD[d]	Residual	$\pm\Delta O_2$[c]
2	335	-	35.001		5.44±0.18	5.28	0.16	0.02
4	4	33.034	32.993	0.041				
	315	34.905	35.051	-0.146	4.47±0.02	4.73	-0.26	0.01
6	0	32.875	-	-				
7	0	32.880	32.844	0.036				
	113	-	34.732	-	5.61±0.02	5.62	-0.01	0.06
8	0	33.695	-	-				
9	0	33.339	33.321	0.018				
	245	-	35.160	-	4.21	4.14	0.07	0.00
10	0	33.409	-	-				
11	0	33.443	33.400	0.043				
12	0	33.485	33.465	0.020				
13	0	33.402						
14	0	33.544	-	-				
15	0	33.618	33.604	0.016				
16	0	33.599	33.596	0.003				
17	0	33.615	33.594	0.019				
18	0	33.629	33.612	0.016				
	336	-	35.030	-	4.76±0.02	5.08	-0.32	0.01
19	0	33.643	33.610	0.033				
23	0	33.471	-	-				
25	0	33.547	-	-				
29	0	32.988	32.963	0.025				
31	0	33.021	32.994	0.027				
32	0	32.883	-	-				
33	0	32.866	32.844	0.022				
	88	-	33.711	-	6.33	6.39	-0.06	0.04
34	0	32.791	-	-				
35	0	32.824	32.799	0.025				
36	0	32.938	32.918	0.020				
37	0	33.511	-	-				

Table 2. Continued -Calibration data for R/V OCEANUS Cruise 113, January 29-February 3, 1982.

Station (dbar)	Sample depth[a] Bottle	Salinity (psu)	CTD[b]	Residual[c]	Oxygen (ml/l) Bottle ±S.D.	CTD[d]	Residual	$\pm\Delta O_2$[c]
38	0	33.326	33.312	0.014				
	141	35.215	35.299	-0.084	4.33±0.04	4.34	-0.01	0.01
39	0	33.234	-	-				
40	0	33.595	33.540	0.055				
41	0	33.318	-	-				
42?	0	33.252	33.229	0.023				
43	0	33.214	-	-				
45	0	33.267	33.243	0.024				
49	0	32.806	-	-				
51	0	32.769	32.754	0.015				
52	0	32.752	-	-				
53	0	32.749	-	-				
	94	-	32.889	-	7.14	7.13	+0.01	0.04
54	0	32.772	-	-				
55	0	32.868	32.845	0.023				
	149	-	34.949	-	4.72	4.93	-0.21	0.02
56	0	32.871	-					
57	0	32.878	-					
58	0	32.922	-					
59	0	32.906	32.891	0.015				
60	0	33.081	-	-				
61	0	33.126	33.112	0.014				
62	0	33.124	-	-				
63	0	33.129	33.106	0.023				
66	0	33.287	33.267	0.020				
67	0	33.225	33.208	0.017				
70	0	32.787	32.755	0.032				
71	0	32.748	-	-				
72	0	32.734	32.713	0.021				
Mean				0.024[e]			-0.07	0.02
Standard Deviation				±0.011[e]			±0.16	

a. Accuracy of sample depth is approximately ±2 dbar.
b. CTD surface measurements are between 2-7 dbars
c. Change in salinity (ΔS) or oxygen (ΔO_2) between 2 dbar above and below the sampling depth. ΔS is 0.002 for station 4 (315 m) and -0.004 for station 38 (141 m).
d. CTD oxygen values are from upcast and consequently closer in time and space to bottle sample.
e. Near surface samples only.

Table 3. Suspended matter concentrations for water samples obtained on R/V OCEANUS Cruise 113, January 29-February 3, 1982

Station	Water depth (m)	Sample depth (dbar)	Suspended matter (mg/L)	Beam attenuation (m^{-1})
2	475	335	0.28	0.25
3	270	121	0.20	0.20
4	330	315	0.11	0.16
7	127	113	0.16	0.19
9	255	245	0.11	0.16
16	160	155	0.18	0.17
18	565	336	0.15	0.20
33	103	88	0.33	0.23
38	152	141	0.08	0.16
53	103	94	0.24	0.30
55	173	149	0.25	0.26

Table 4. - Meteorological observations for R/V OCEANUS Cruise 113 obtained from ship's Deck Log. (Time is Eastern Standard Time.)
[See Table 5 for key to meteorological observations]

Date	Time	Wind		Sea			Air		Weather
	Est	Dir	Force	Dir	Swell	Height	Pressure (mb)	Temp (°c)	
Jan 26	1100	NWxW	4	NW	1	3	1021	-1.7	b
	1600	NNW	4	NW	1	2-3	1021	0.0	bc
	2000	NNW	3-4	NW	1	3	1023	-4.4	bc
	2400	NNW	5	N	1	-	1022	-4.4	o
Jan 27	0400	NNWxW	6	NNW	1	4	1021	-2.8	os
	0800	N	6	NxW	3	4	1025	-4.4	ops
	1200	N	5-6	N	3	4	1025	-4.4	c
	1600	N	6	N	3	4	1026	-3.3	cs
	2000	N	5	N	3	4	1030	-2.8	c
	2400	NW	4	NNW	1	3	1030	-2.2	c
Jan 28	0400	NW	3	W	1	3	1032	-1.7	b
	0800	SW	2-3	var	2	2	1031	0.6	b
	1200	SW	4-5	-	-	3	1030	4.4	bc
	1600	SSW	4	W	1	3	1026	5.0	o
	2000	SxW	3	-	-	2-3	1024	5.6	bc
	2400	WxS	5	WSW	1	3	1021	4.4	o
Jan 29	0400	W	5	W	1	3-4	1023	3.3	bc
	0800	WxN	5	NW	3	4	1027	3.9	bc,z
	1200	WxN	6	W	3	4	1028	4.4	bc
	1600	WNW	7	W	3	4	1028	4.4	bc
	2000	W	5	W	3	3-4	1033	1.1	b
	2400	NW	4	WNW	1	3	1033	2.2	bc
Jan 30	0400	-	-	--	-	2-3	1037	1.7	b
	0800	-	-	NW	2	2-3	1037	3.3	b,z
	1200	SxE	3-4	NW	1	3	1033	4.4	c
	1600	SSE	4	-	-	3	1031	7.8	c
	2000	S	6	SW	1	3	1027	8.3	bc
	2400	SW	4	SW	1	3	1025	8.9	bc
Jan 31	0400	SW	5	SW	1	3	1025	8.9	cd
	0800	SW	4-5	SW	1	2-3	1028	7.8	--
	1200	W	2	S	1	2	1027	7.8	o
	1600	NE	3	S	4	2	1028	6.1	od
	2000	ExS	5	S	2	3	1028	6.1	o
	2400	SSW	4	S	2	3	1024	8.9	od
Feb 1	0400	S	5	S	1	3	1020	9.4	o
	0800	SxW	6	SSW	3	4	1018	11.1	oz
	1200	SxW	5	S	3	4	1017	10.0	op
	1600	NNW	7	NNW	3	5	1022	6.1	o
	2000	WxN	6	W	3	4	1030	3.9	bc
	2400	NW	4-5	-	-	4	1035	1.1	bc

Table 4. - Meteorological observations for R/V OCEANUS Cruise 113 obtained from ship's Deck Log. (Time is Eastern Standard Time.)
[See Table 5 for key to meteorological observations]

Date	Time Est	Wind		Sea			Air		Weather
		Dir	Force	Dir	Swell	Height	Pressure (mb)	Temp (°c)	
Feb 2	0400	NNW	5	-	-	3-4	1040	1.1	bc
	0800	NExN	5	N	3	3	1044	2.2	bc
	1200	ExN	4-5	ENE	3	3	1044	3.3	o
	1600	ENE	4-5	ENE	1	3	1044	---	o
	2000	E	2-3	NExE	1	2-3	1043	5.6	o
	2400	ENE	4	E	1	3	1037	6.7	o
Feb 3	0400	SE	5	E	1	3	1032	8.9	o
	0800	SxW	4-5	SSE	2	3	1033	10.0	o
	1200	SE	4	SE	1	3	1029	9.4	c
	1600	S	3	S	1	2-3	1028	8.3	o
	2000	SSW	4-5	SW	3	3	1029	10.6	o
	2400	SxW	4	S	3	3	1023	8.9	bc
Feb	0400	S	5-6	S	3	3-4	1020	7.8	z
	0800	S	5	SW	2	3	1022	4.4	f

Table 5. - 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			

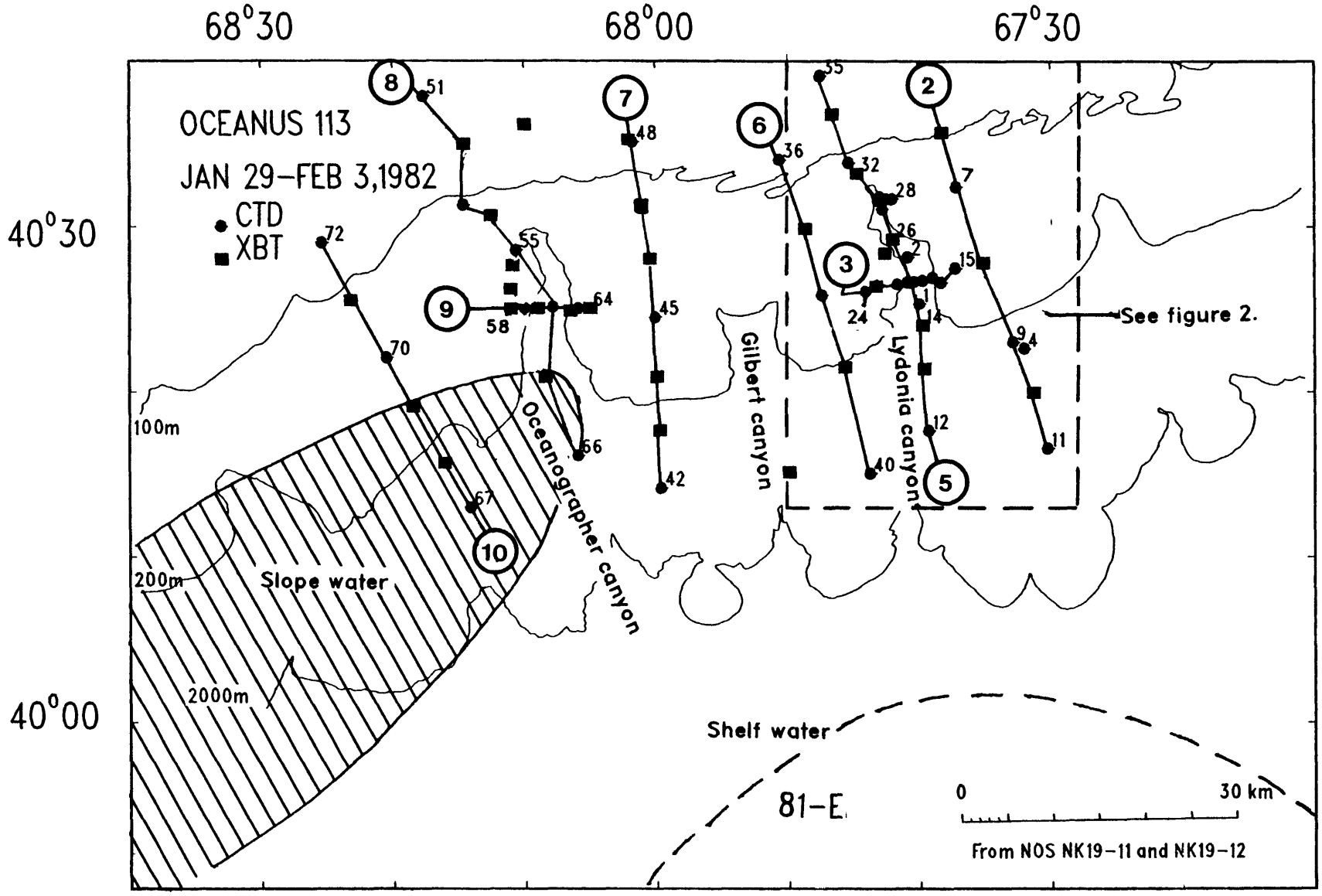


Figure 1. Location of stations near Lydonia and Oceanographer Canyon occupied on R/V OCEANUS Cruise 113, January 29-February 3, 1982. The circled number identifies the section shown in figures 4-13. The position of a warm core eddy 81-E (dashed line) is based on the Oceanographic Analysis chart for Jan. 26, 1982; it is not shown on the chart for Feb. 1, 1982 and may be covered by a layer of shelf water (see fig. 15). The area of slope water is based on the chart for Feb. 1, 1982 as modified by the Atlantic Environmental Group, National Marine Fisheries Service, Narragansett, R.I.

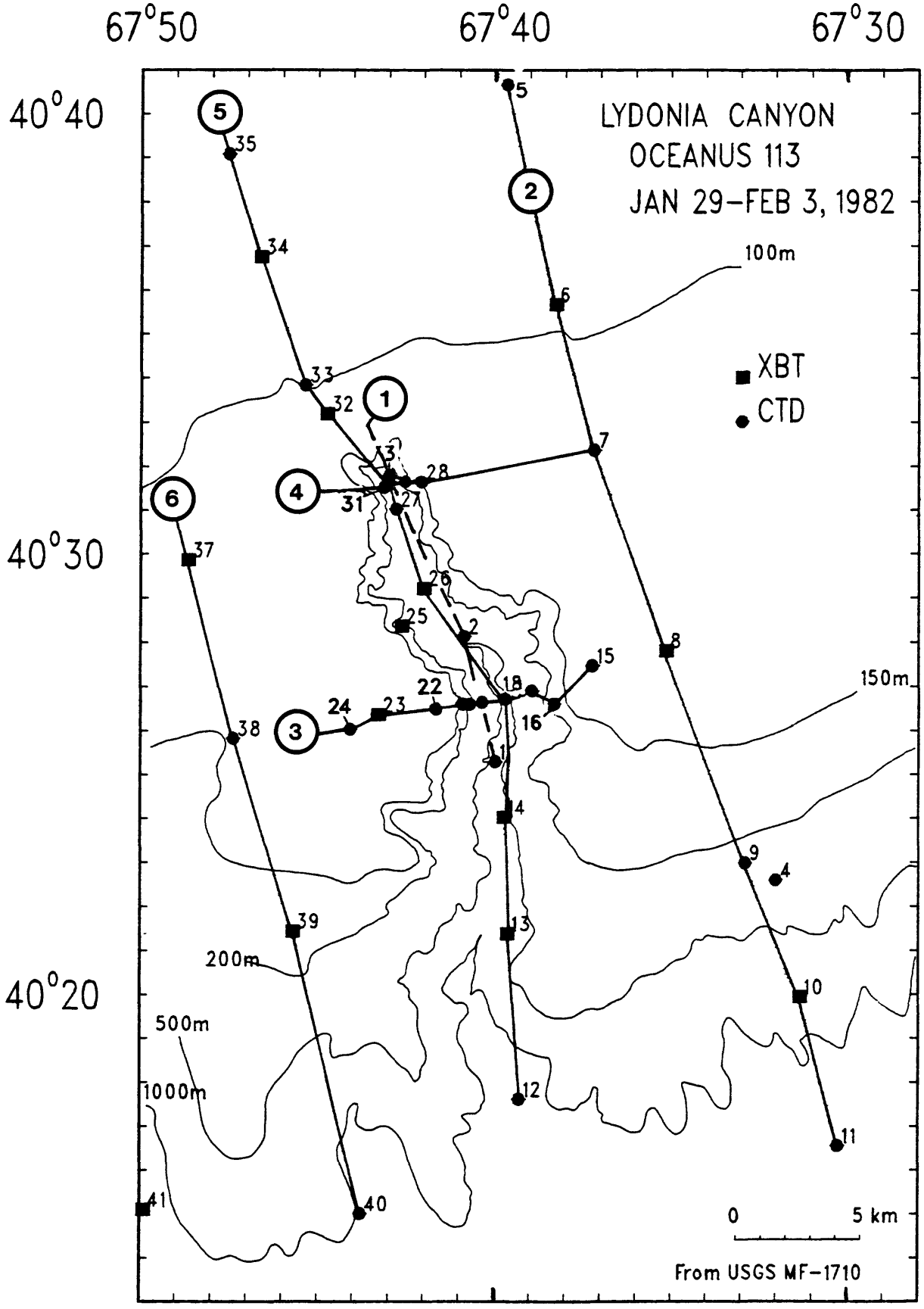
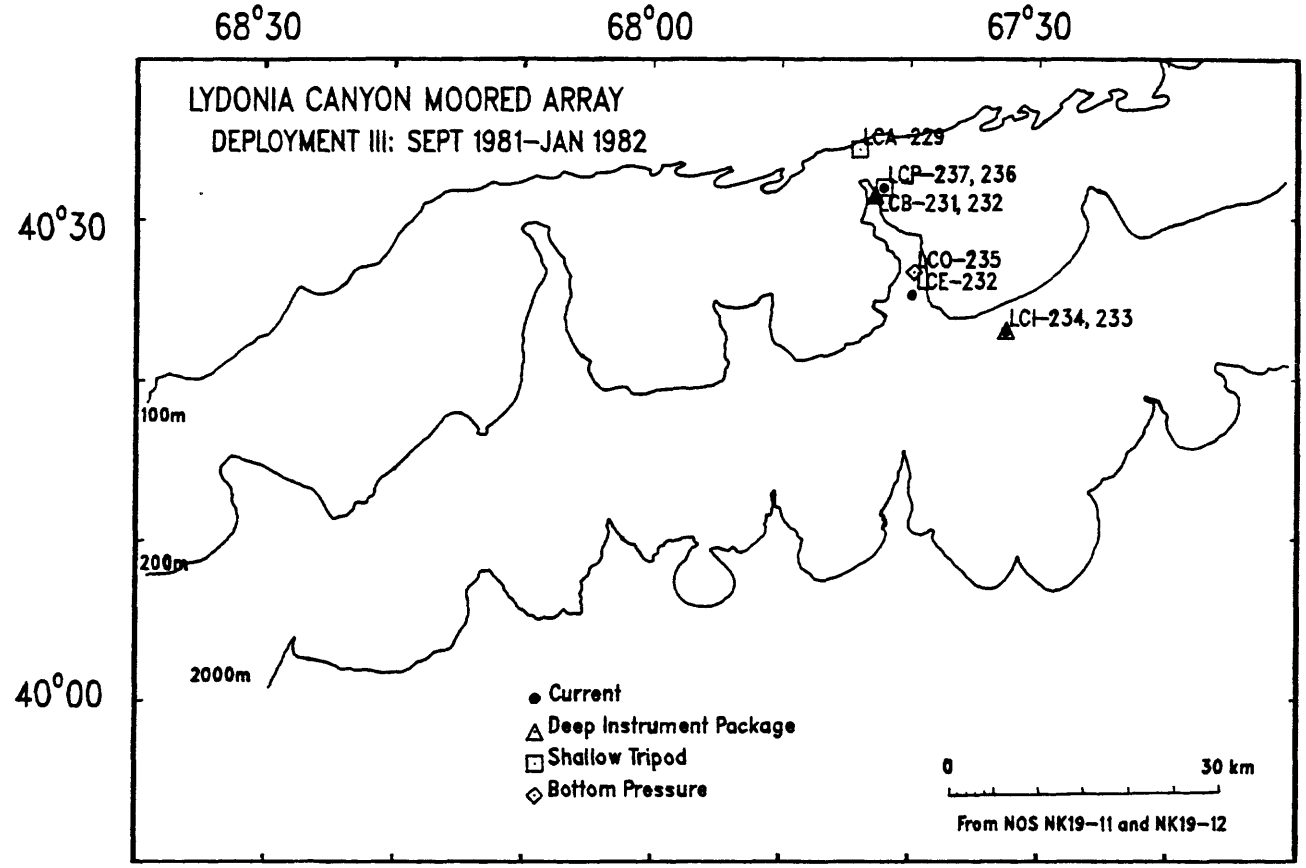


Figure 2. Location of stations around Lydonia Canyon occupied on R/V OCEANUS Cruise 113, January 29-February 3, 1982. The circled numbers identify the sections shown in figures 4-13.



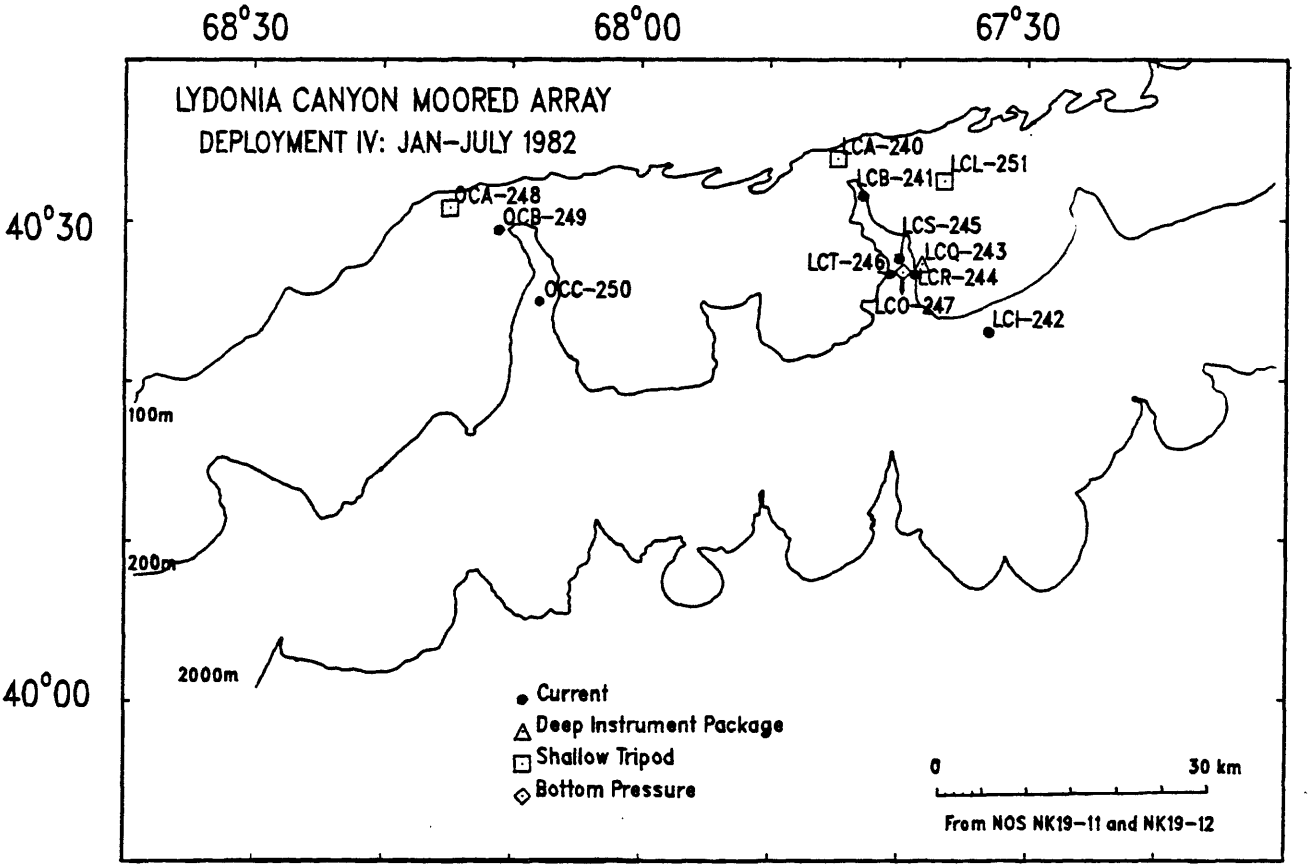
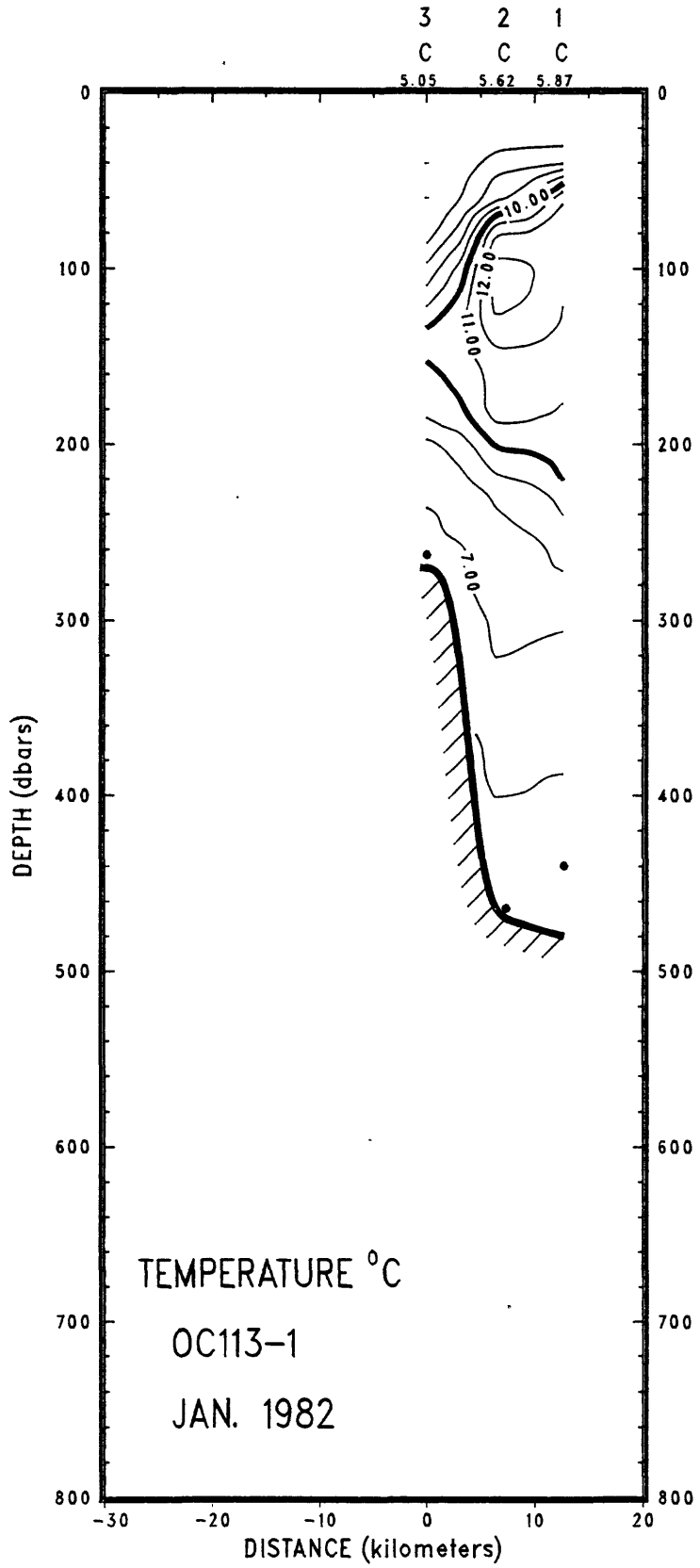
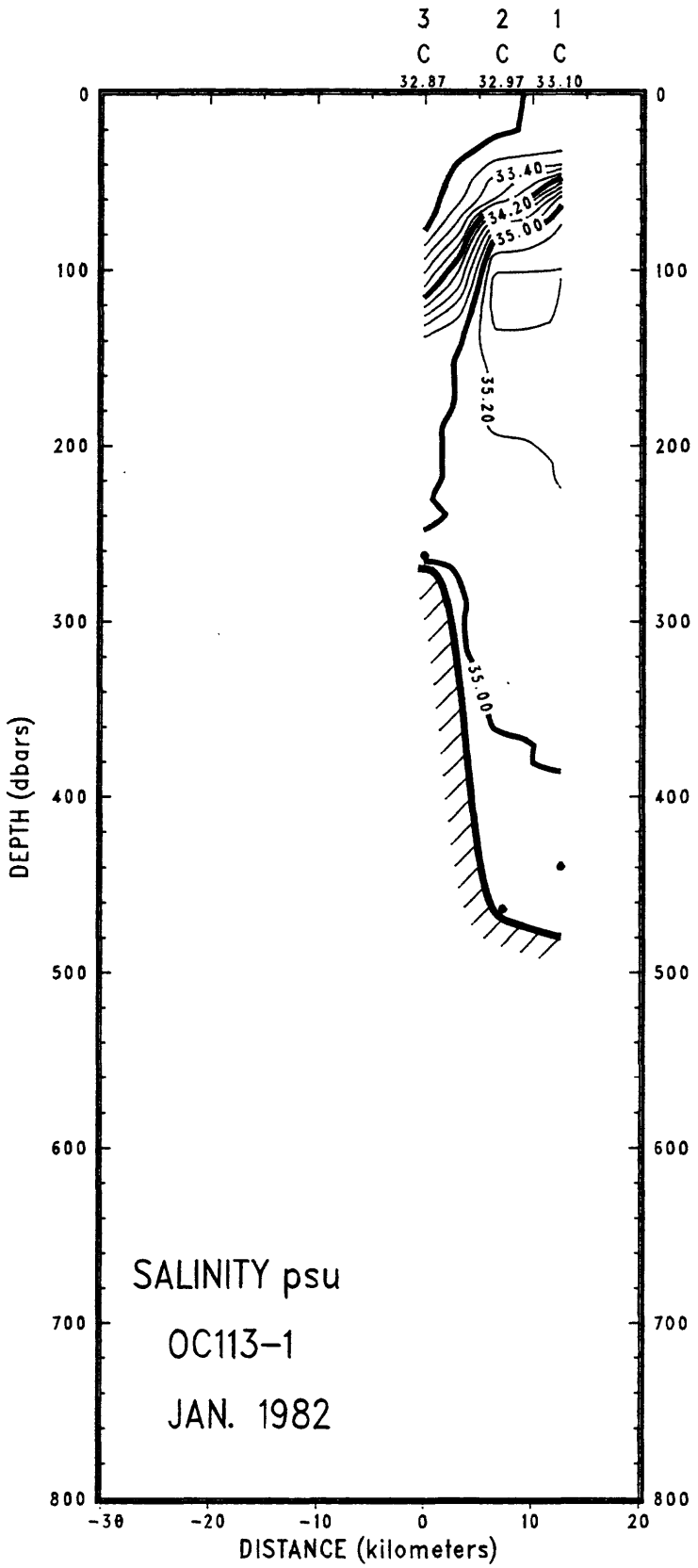


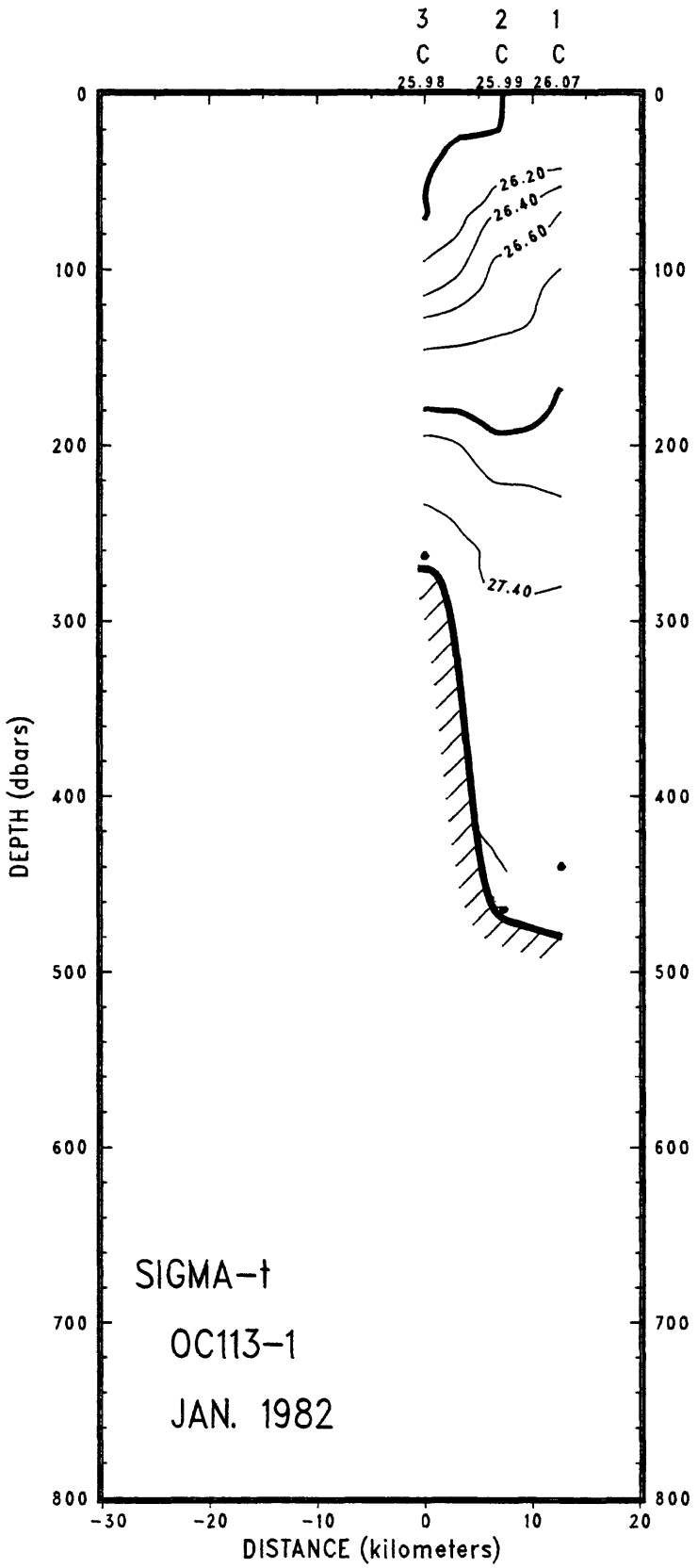
Figure 3. a. Lydonia Canyon moored array, deployment III. Stations are identified by letters. The three digit number following the station letters is the mooring number.
b. Lydonia Canyon moored array, deployment IV.

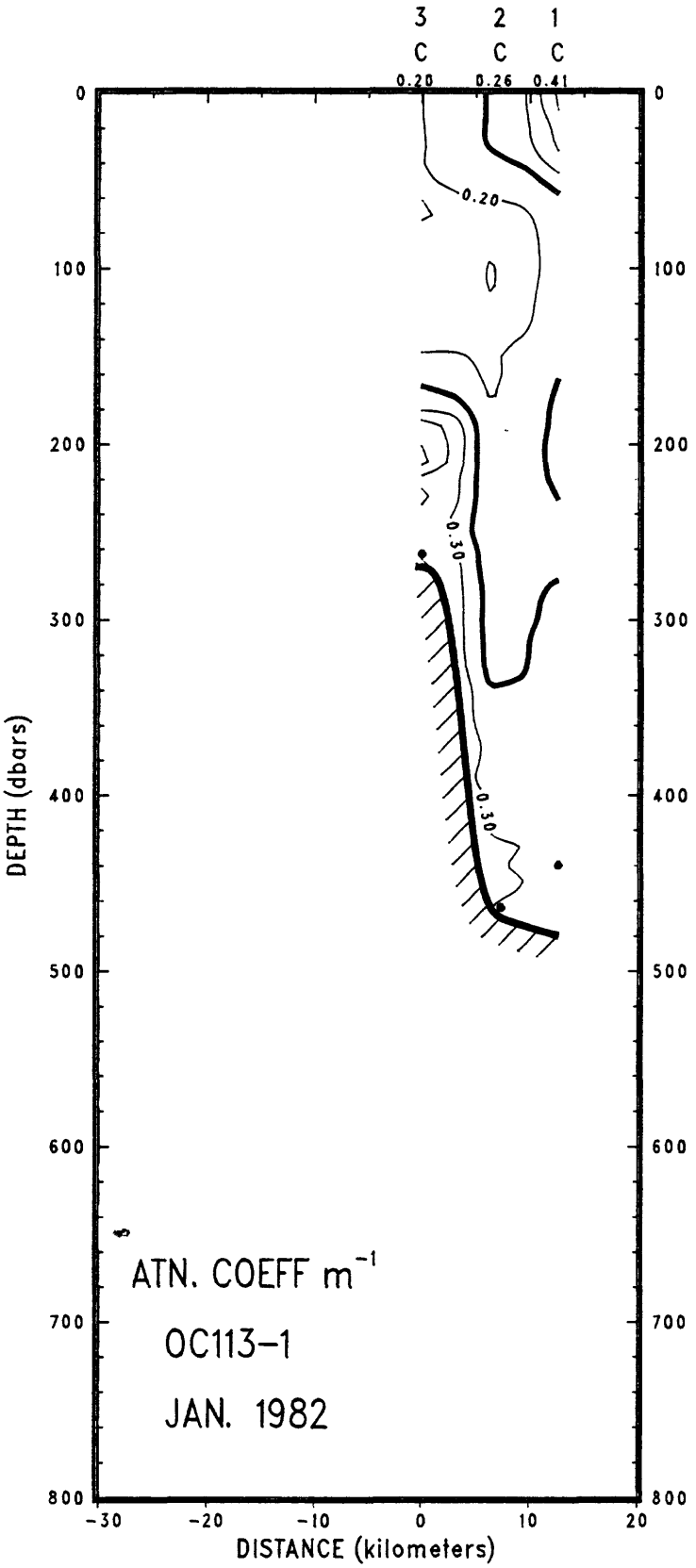
Vertical sections

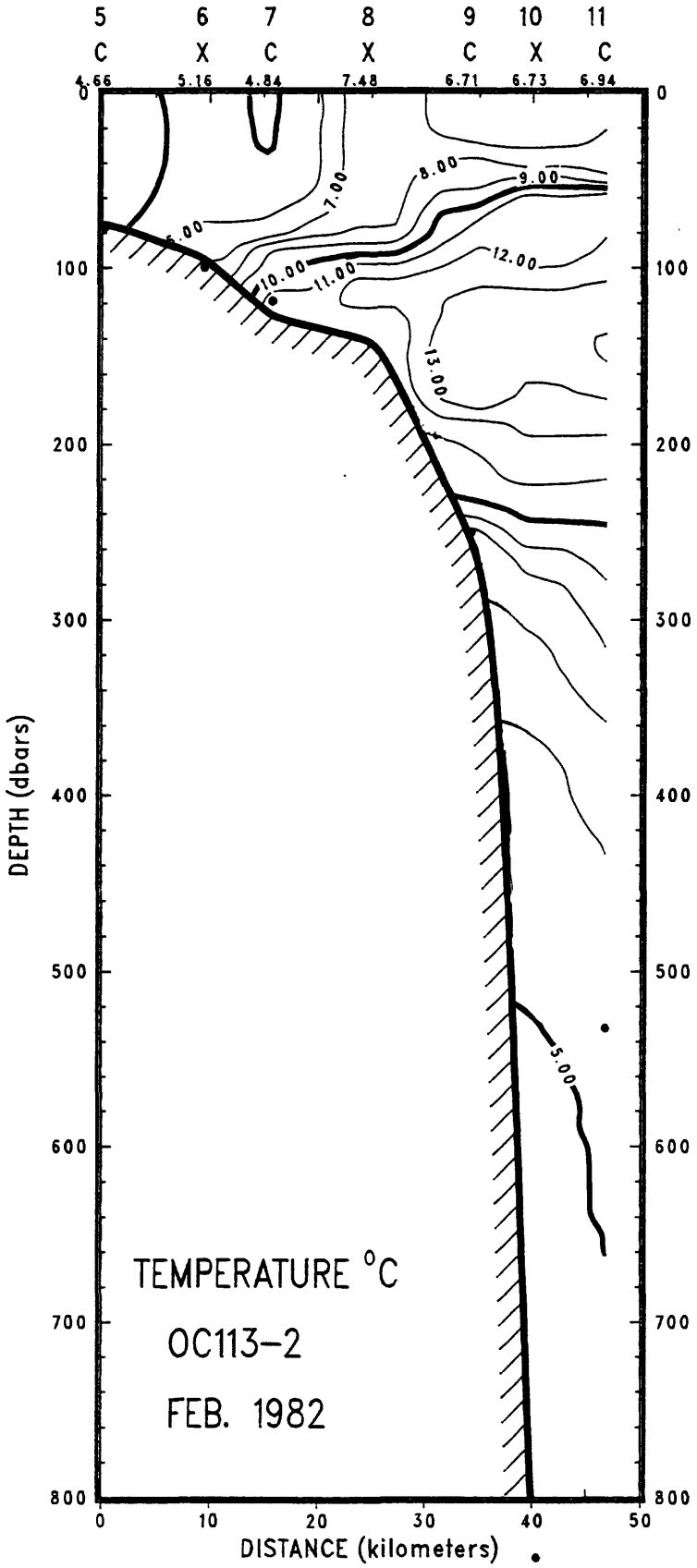
The section numbers follow the hyphen after the cruise symbol OC113 (see fig. 1, 2 and table 1). The station numbers are shown across the top of each section with the station type (C = CTD or X = XBT) and surface value of the contoured variable printed below. The contour intervals are the same for each section (1°C for temperature, 0.2 psu for salinity, 0.2 for sigma-t, 0.2 for oxygen, and 0.05 m^{-1} for attenuation coefficient). The bathymetry for most sections is defined only by the depth at each station; thus the bottom profile is slightly different for sections where there are XBT stations in addition to the CTD stations. Contours were particularly difficult to draw near the walls in the cross-canyon sections (3, 4 and 9) where there was only one station in the center of the axis. Because of the computer contouring routine, the shape and slope of the contours near the sea floor should be interpreted with caution (see text). Section 1 did not have reliable oxygen values so that no section is presented.

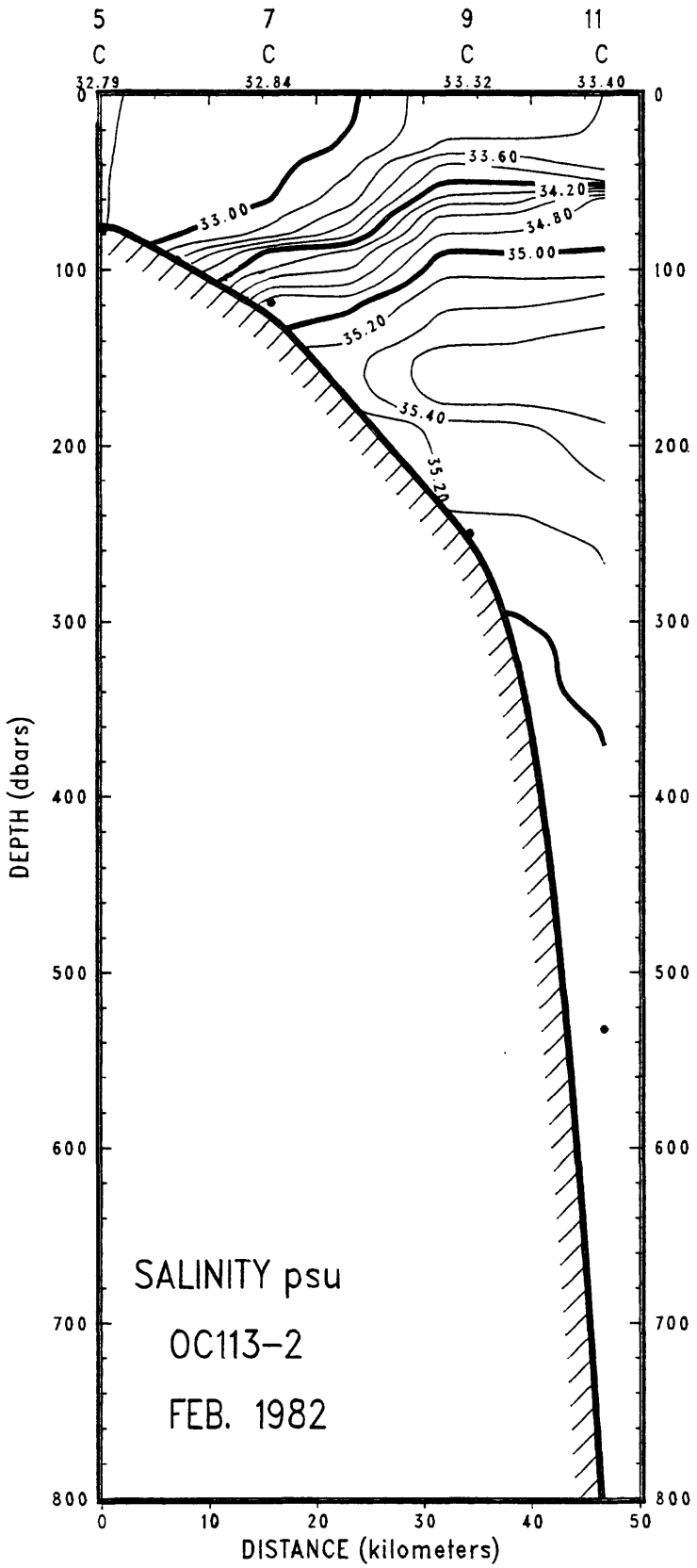

3 C
2 C
1 C
5.05
5.62
5.87
10.00
12.00
11.00
7.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
-30
-20
-10
0
10
20
DISTANCE (kilometers)
TEMPERATURE °C
OC113-1
JAN. 1982

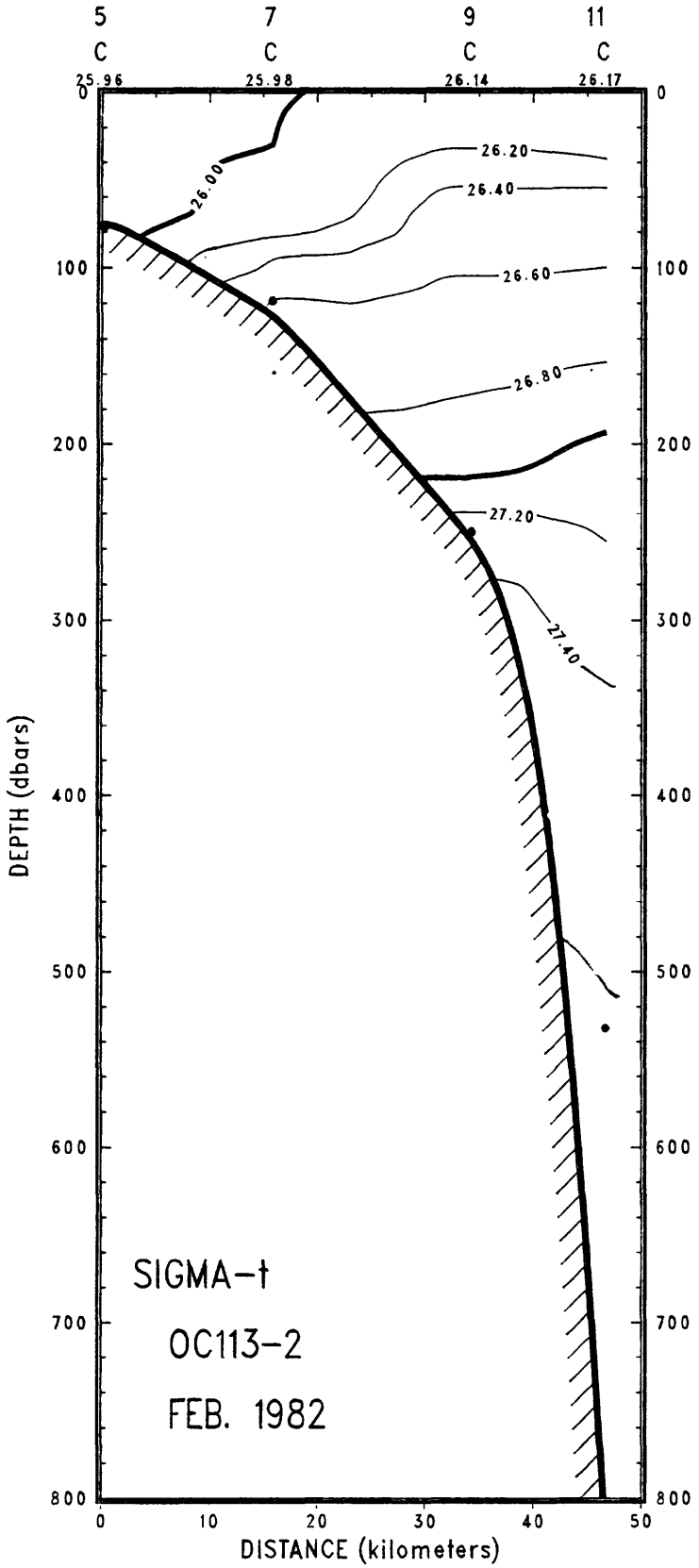

3 C
2 C
1 C
32.87
32.97
33.10
33.40
34.20
35.00
35.20
35.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SALINITY psu
OC113-1
JAN. 1982
-30
-20
-10
0
10
20
DISTANCE (kilometers)

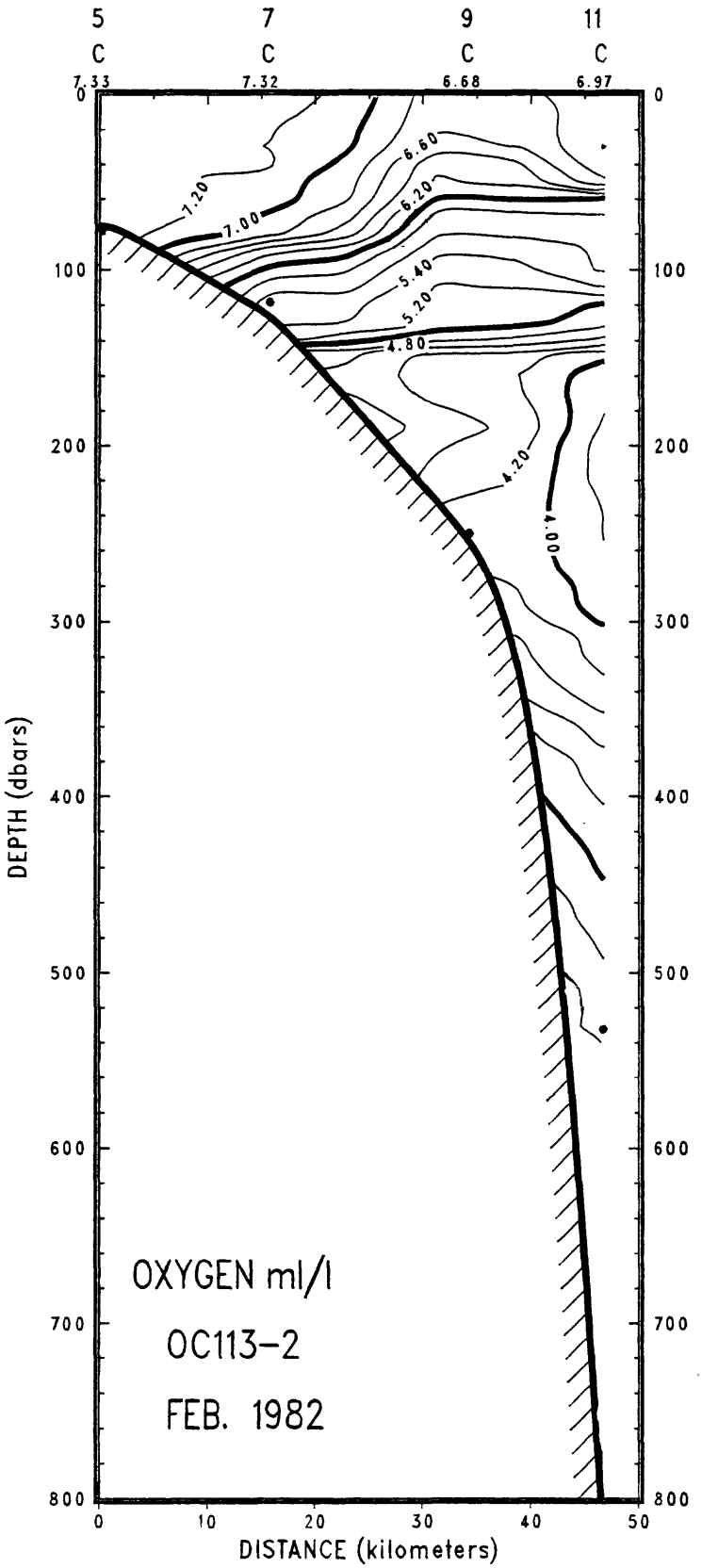

3 C
2 C
1 C
25.98
25.99
26.07
26.20
26.40
26.60
27.40
SIGMA-t
OC113-1
JAN. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-30
-20
-10
0
10
20

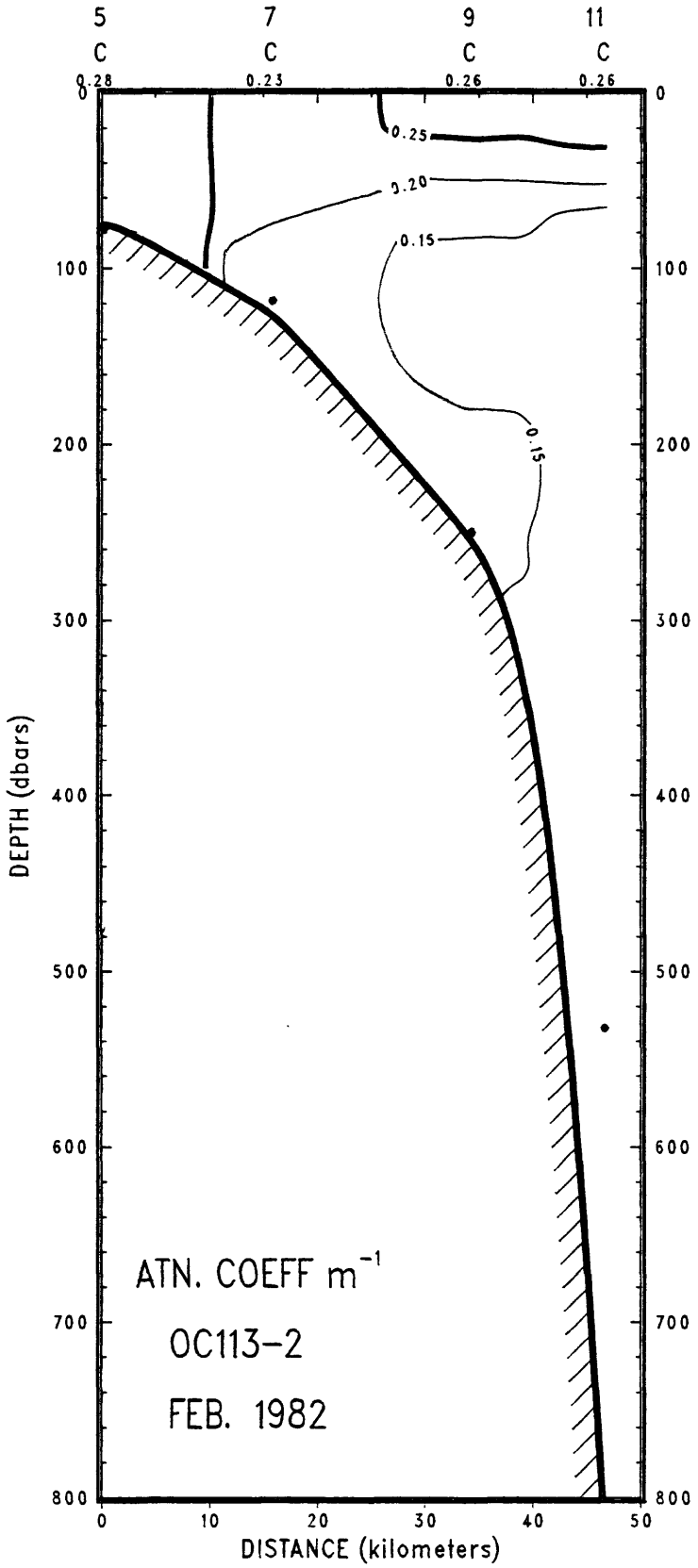

3 C
2 C
1 C
0.20
0.26
0.41
0.20
0.30
0.30
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
-30
-20
-10
0
10
20
DISTANCE (kilometers)
ATN. COEFF m^{-1}
OC113-1
JAN. 1982

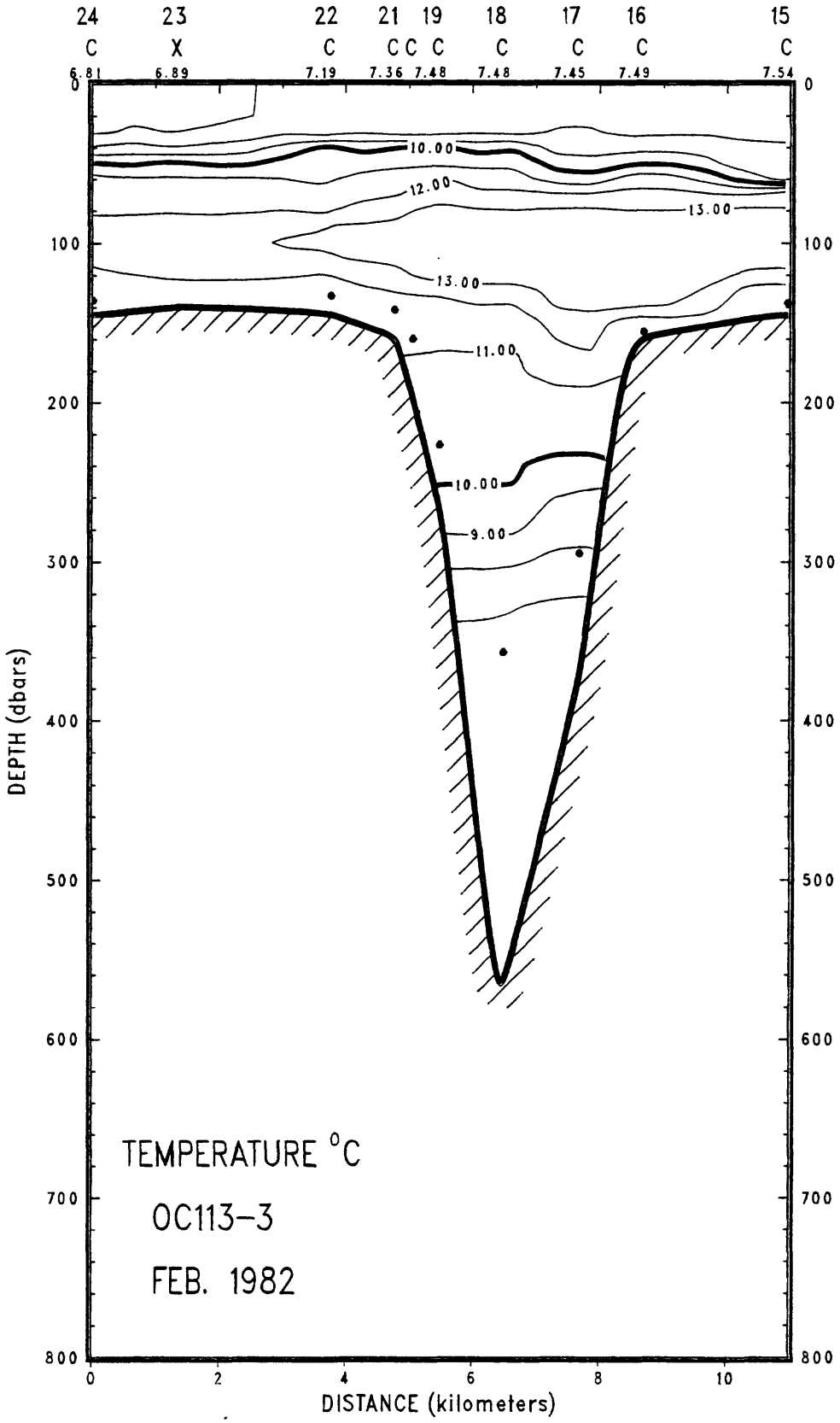

5 C 4.66
6 X 5.16
7 C 4.84
8 X 7.48
9 C 6.71
10 X 6.73
11 C 6.94
7.00
8.00
9.00
10.00
11.00
12.00
13.00
5.00
DEPTH (dbars)
DISTANCE (kilometers)
TEMPERATURE °C
OC113-2
FEB. 1982

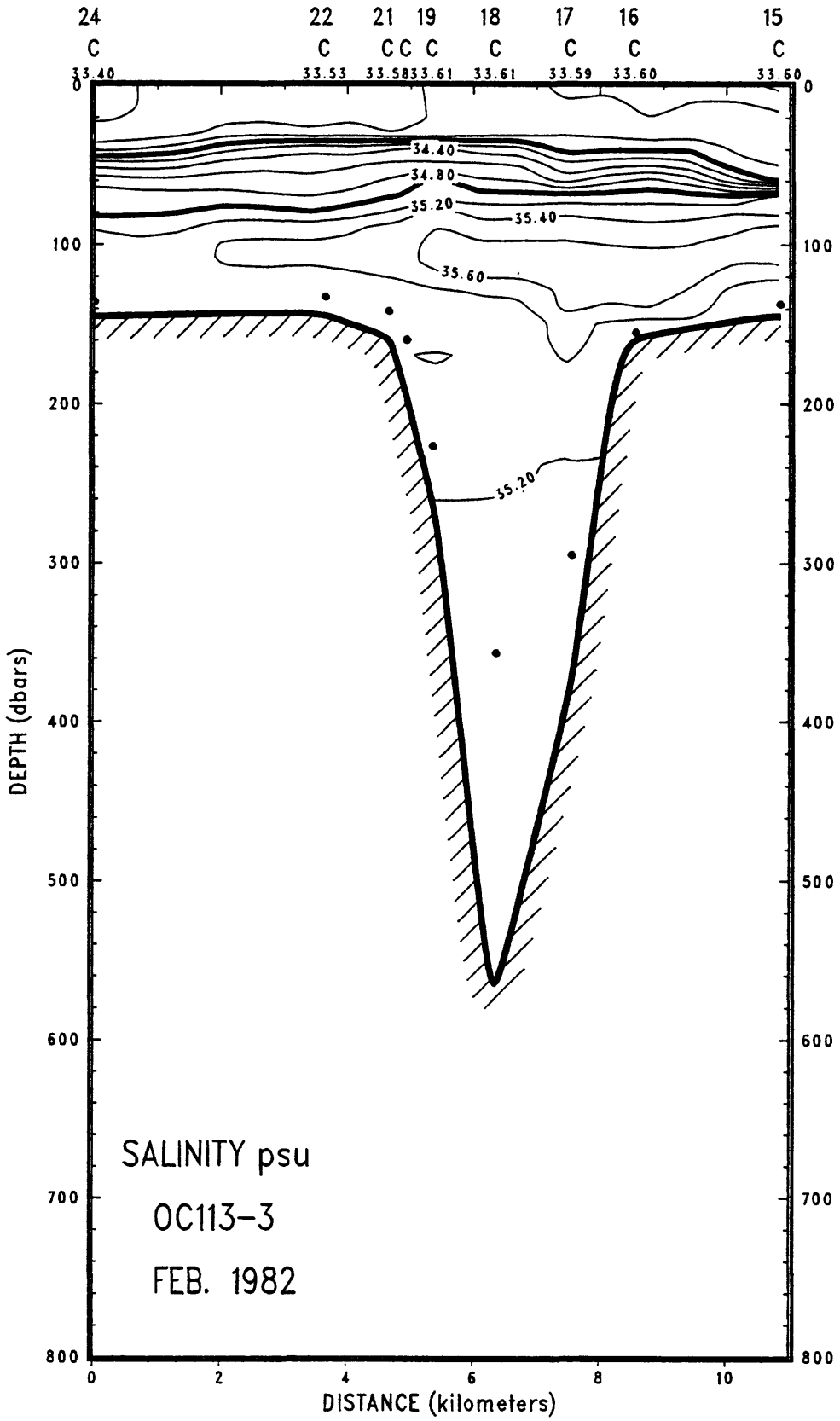

5
C
7
C
9
C
11
C
32.79
32.84
33.32
33.40
33.00
33.60
34.20
34.80
35.00
35.20
35.40
35.20
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
SALINITY psu
OC113-2
FEB. 1982
0
10
20
30
40
50
DISTANCE (kilometers)

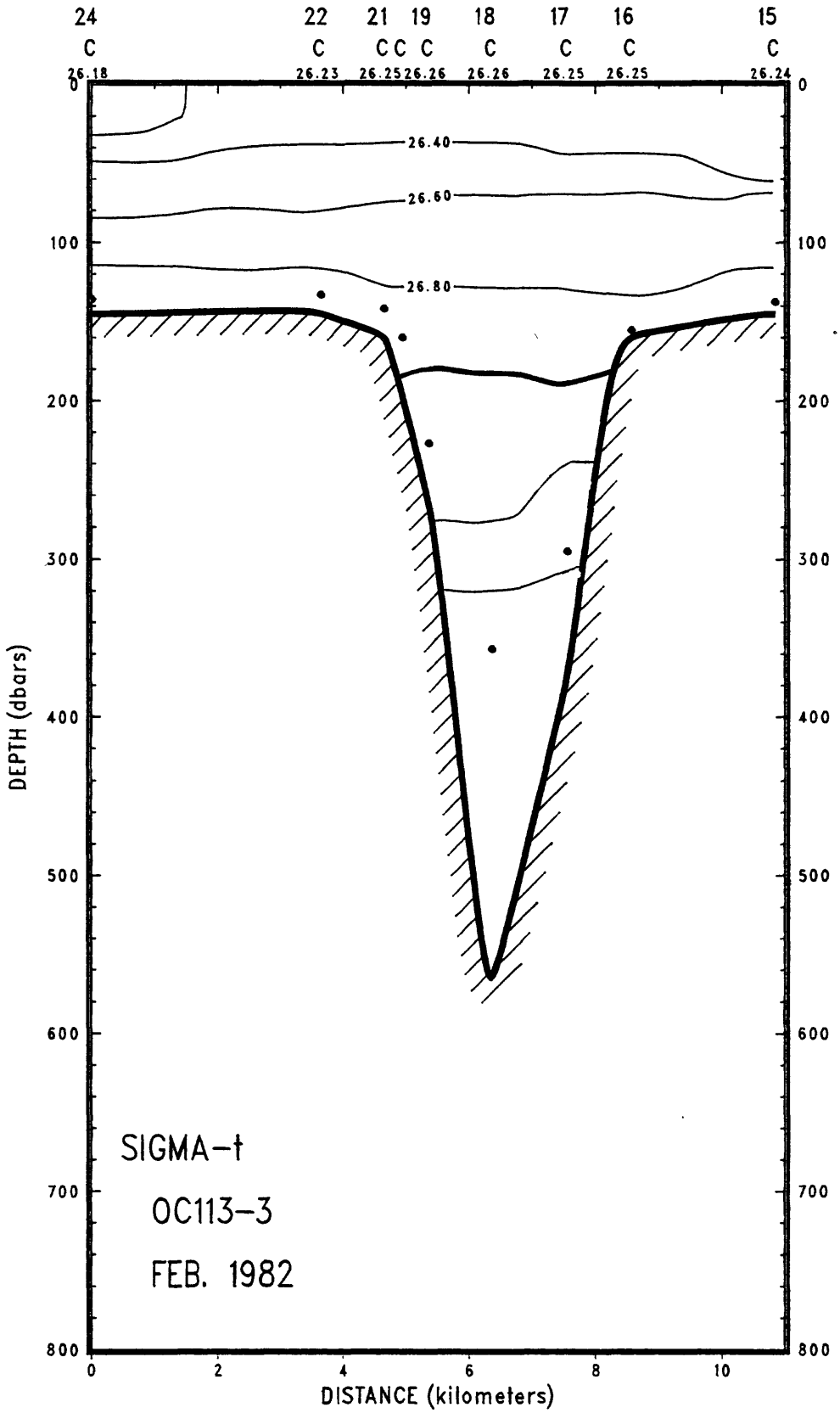

5 C
7 C
9 C
11 C
25.96
25.98
26.14
26.17
26.00
26.20
26.40
26.60
26.80
27.20
27.40
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SIGMA-t
OC113-2
FEB. 1982
0
10
20
30
40
50
DISTANCE (kilometers)

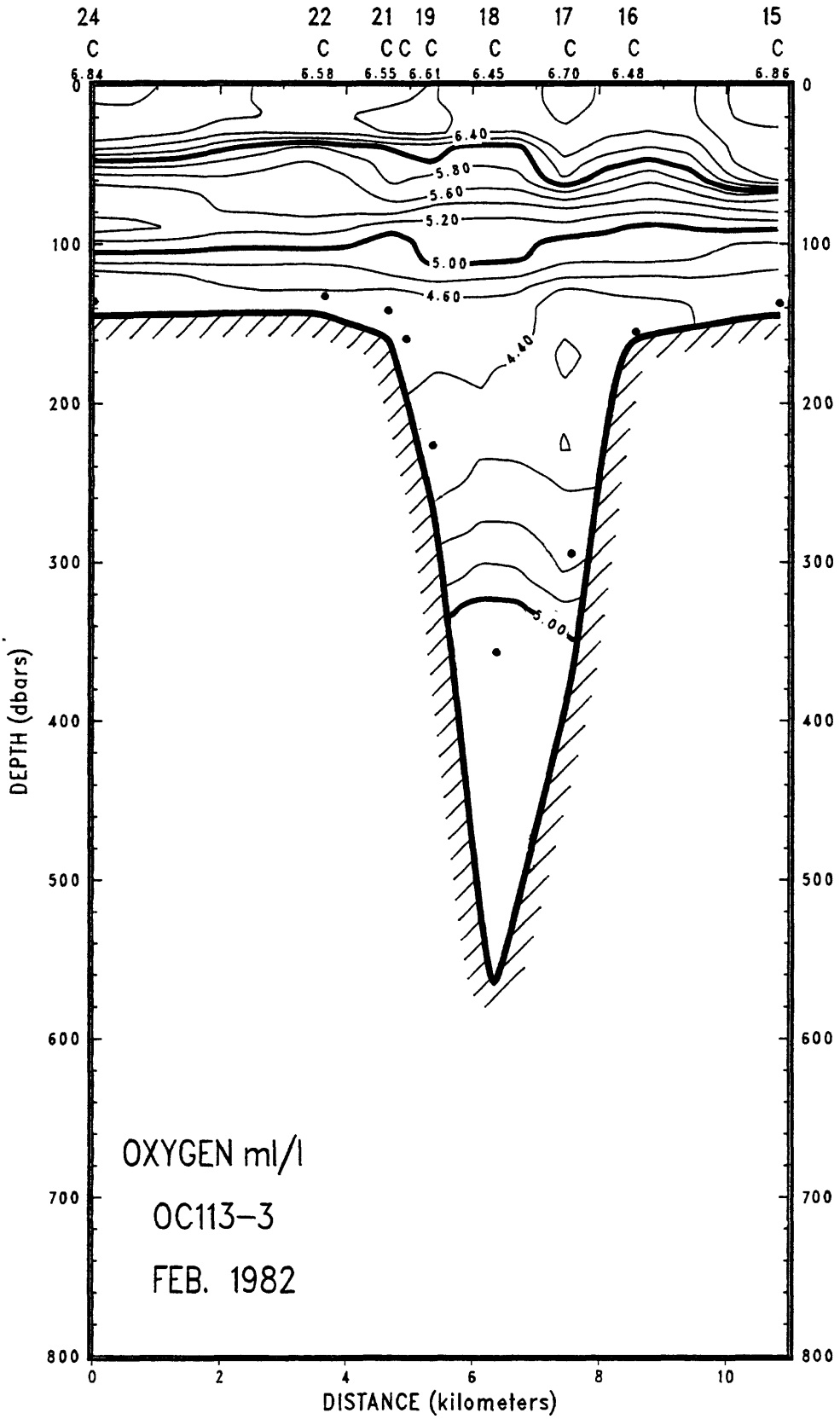

5 C
7 C
9 C
11 C
7.33
7.32
6.68
6.97
7.20
7.00
6.60
6.20
5.40
5.20
4.80
4.20
4.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
OXYGEN ml/l
OC113-2
FEB. 1982
0
10
20
30
40
50
DISTANCE (kilometers)

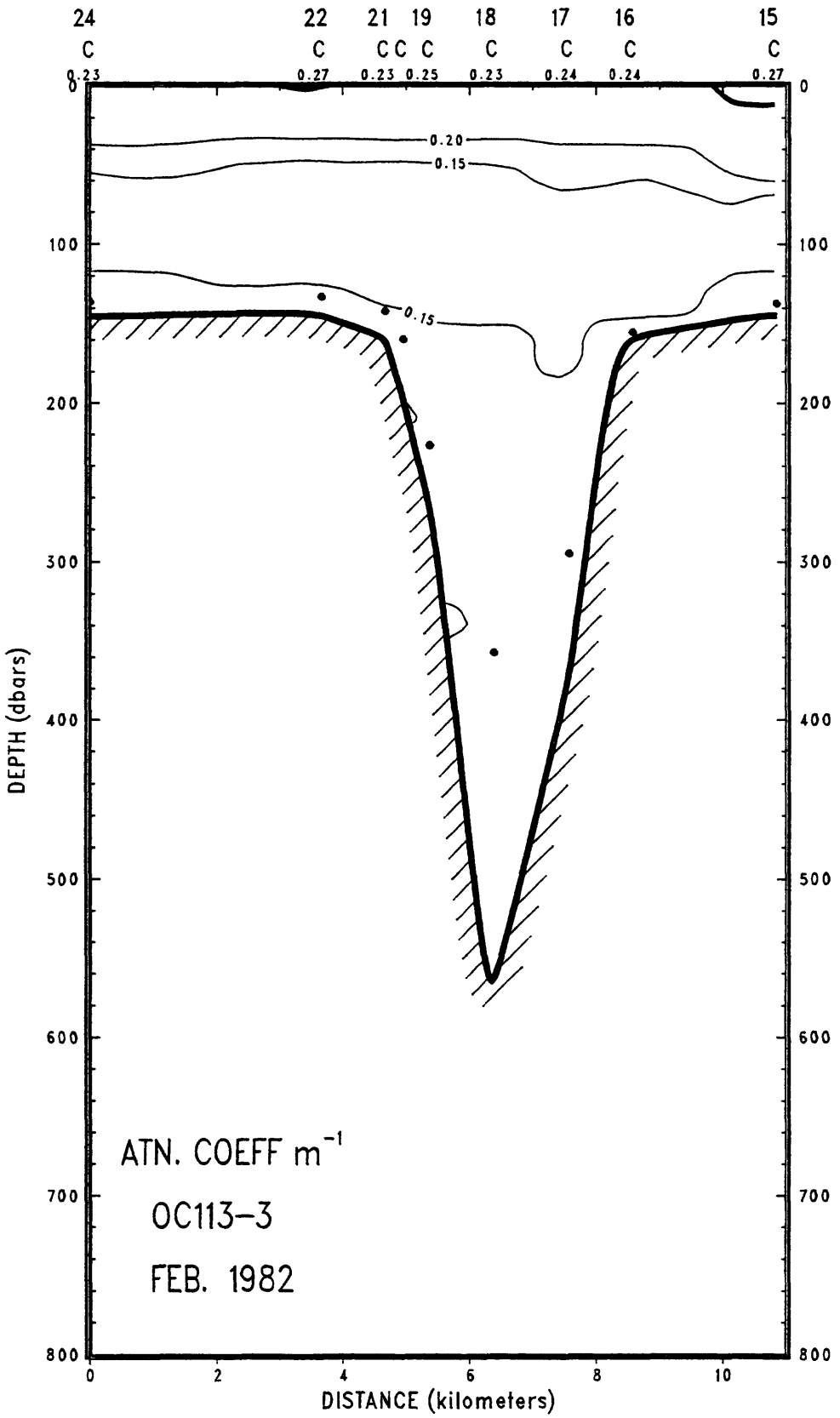

5 C
7 C
9 C
11 C
0.28
0.23
0.26
0.26
0.25
0.20
0.15
0.15
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
ATN. COEFF m^{-1}
OC113-2
FEB. 1982
0
10
20
30
40
50
DISTANCE (kilometers)

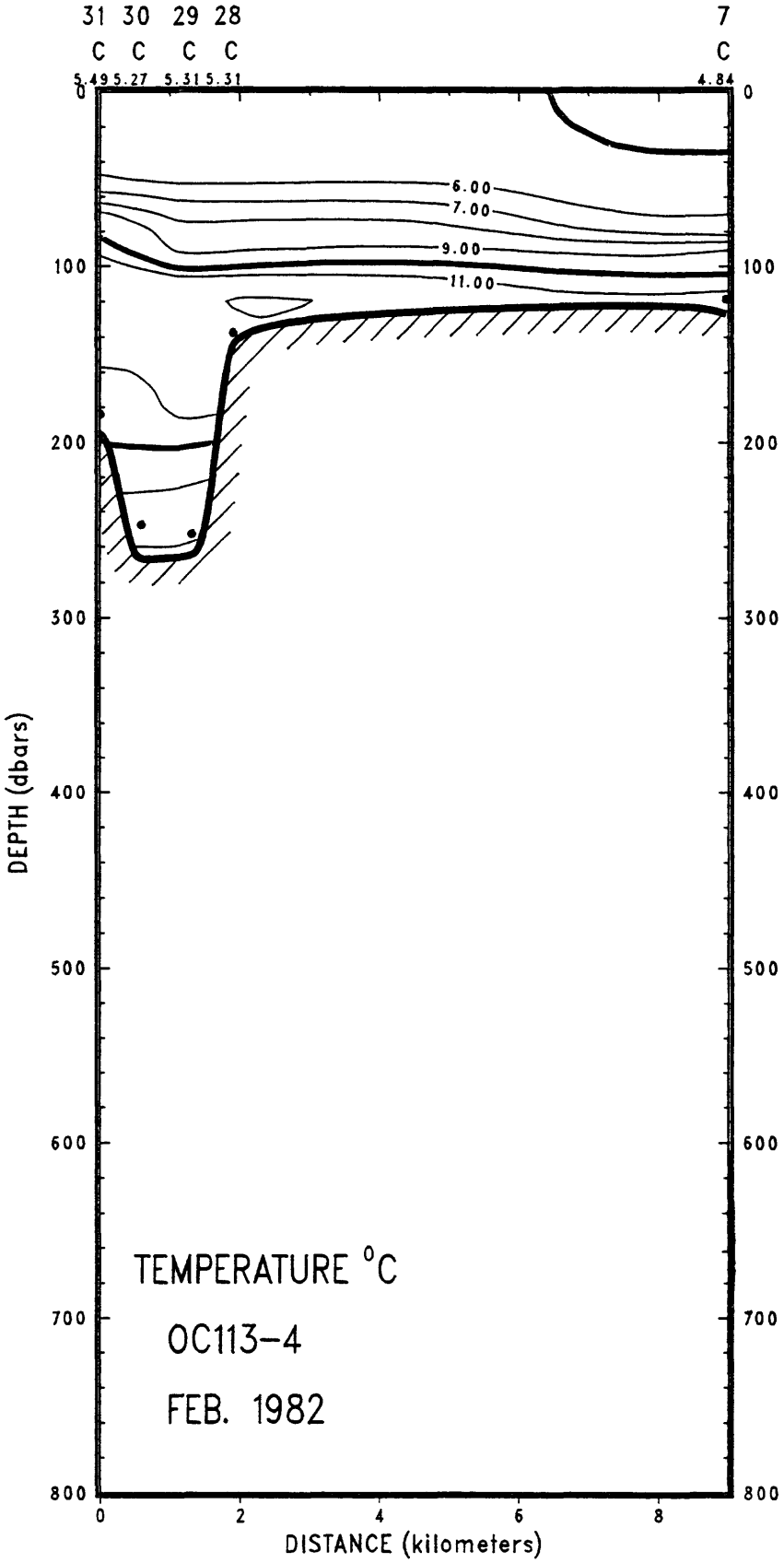

24 C 6.81
23 X 6.89
22 C 7.19
21 C 7.36
C 7.48
19 C 7.48
18 C 7.45
17 C 7.49
16 C 7.54
15 C
10.00
12.00
13.00
13.00
11.00
10.00
9.00
TEMPERATURE °C
OC113-3
FEB. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
2
4
6
8
10

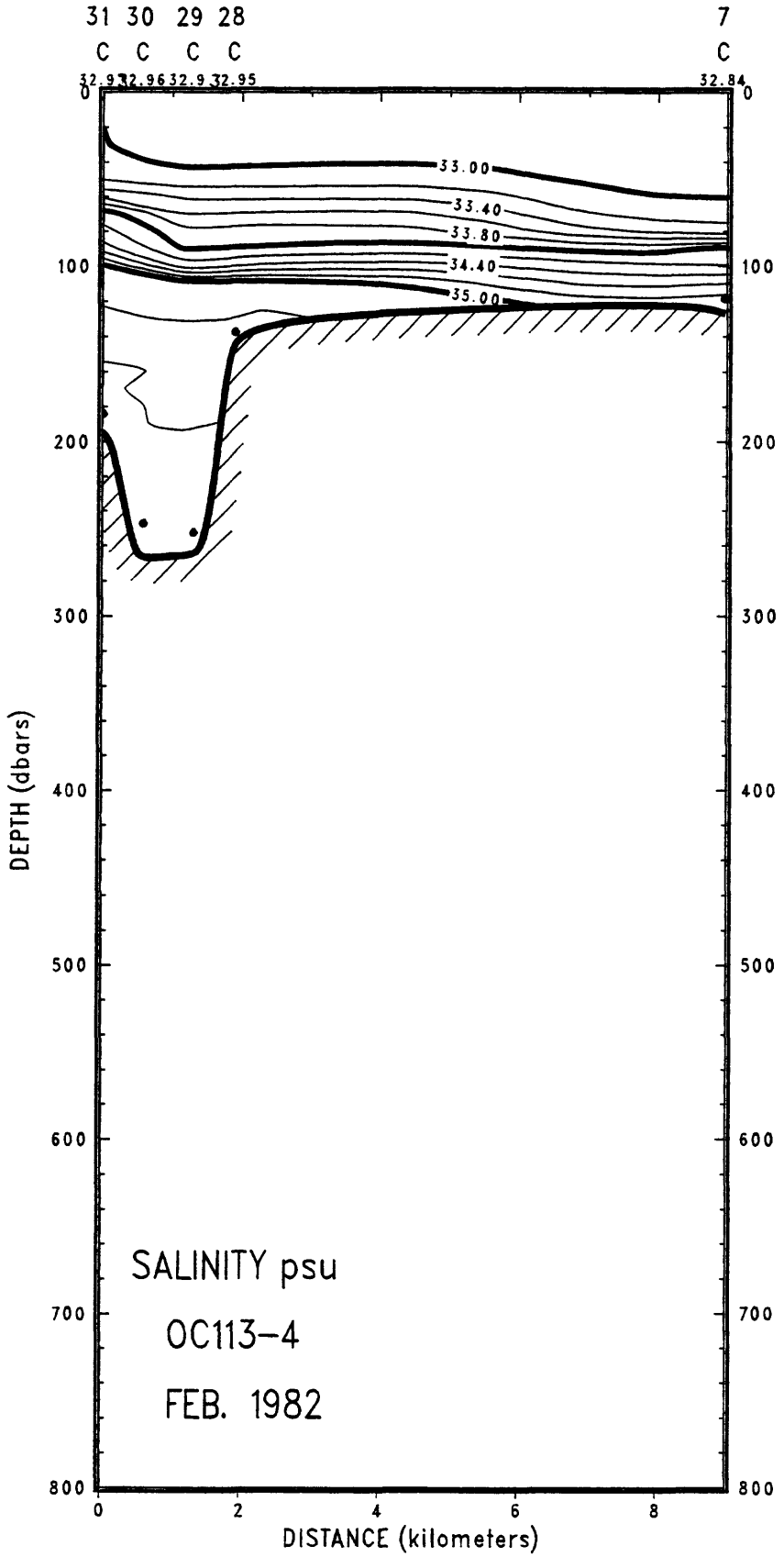

24 C 33.40
22 C 33.53
21 C 33.58
C 33.61
19 C
18 C 33.61
17 C 33.59
16 C 33.60
15 C 33.60
34.40
34.80
35.20
35.40
35.60
35.20
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
0
2
4
6
8
10
DISTANCE (kilometers)
SALINITY psu
OC113-3
FEB. 1982

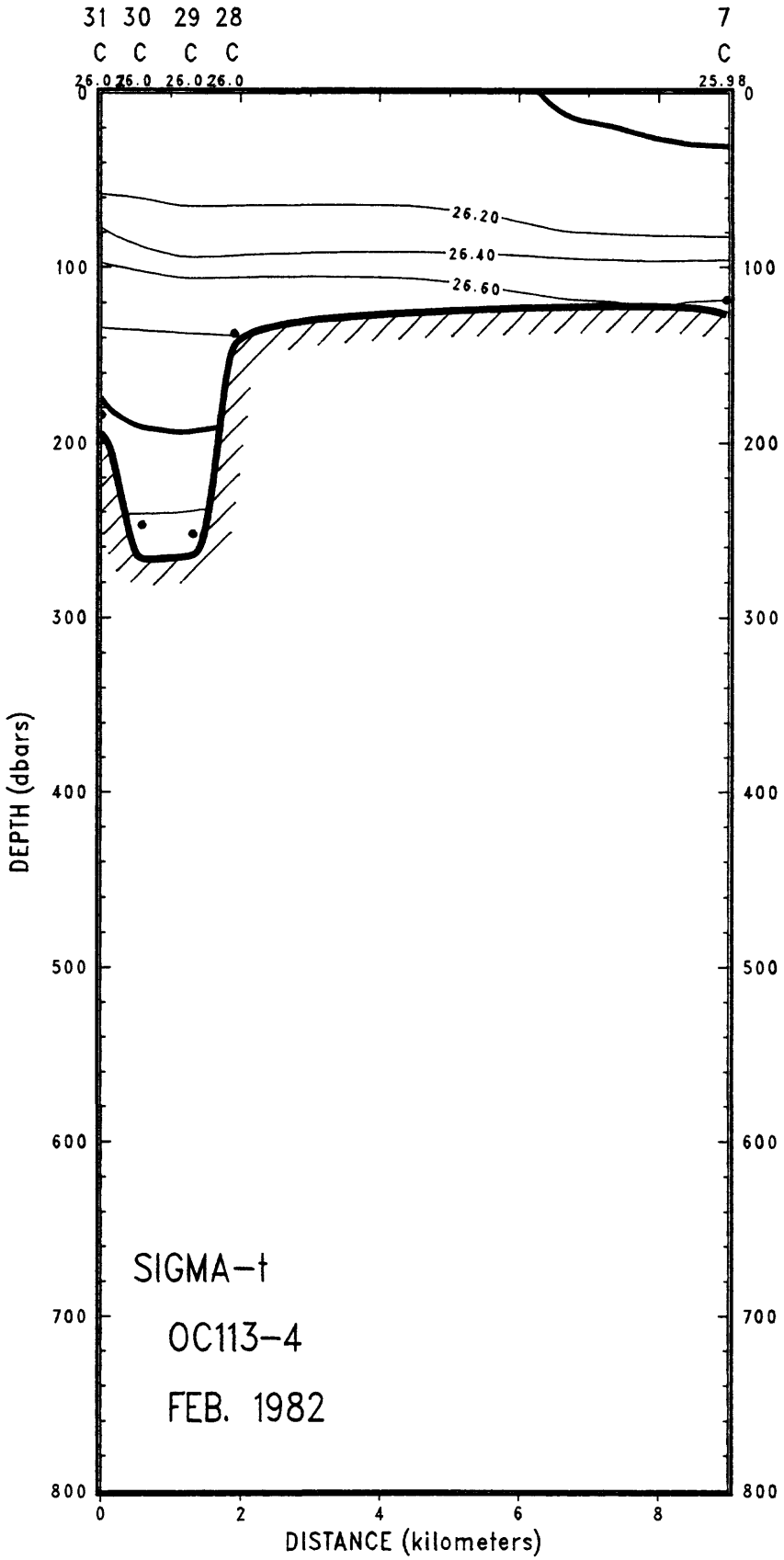

24 C 26.18
22 C 26.23
21 C 26.25
C 26.26
19 C 26.26
18 C 26.26
17 C 26.25
16 C 26.25
15 C 26.24
26.40
26.60
26.80
DEPTH (dbars)
DISTANCE (kilometers)
SIGMA-t
OC113-3
FEB. 1982

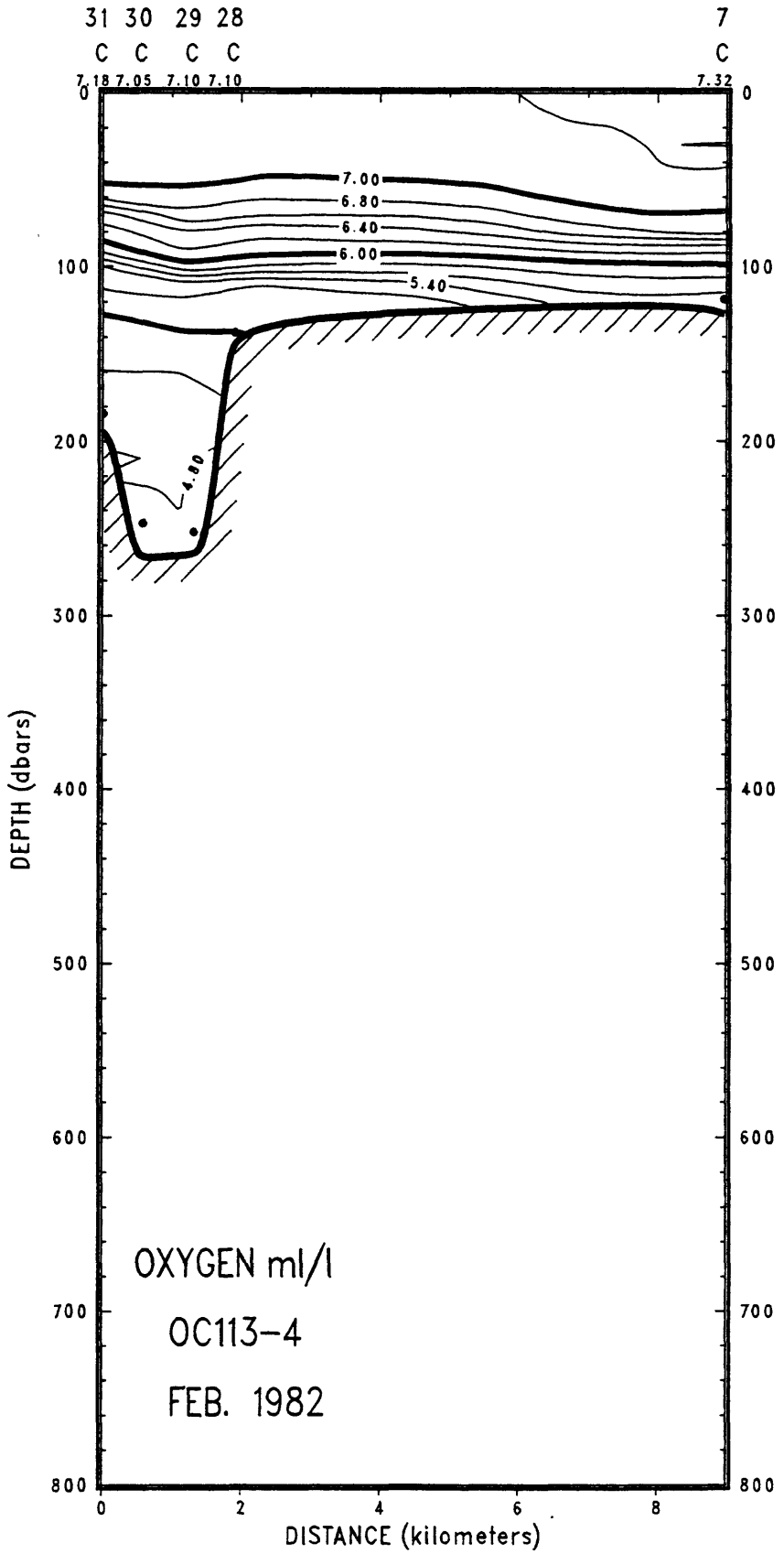

24 C 6.84
22 C 6.58
21 C 6.55
C 6.61
19 C
18 C 6.45
17 C 6.70
16 C 6.48
15 C 6.86
6.40
5.80
5.60
5.20
5.00
4.60
4.40
5.00
OXYGEN ml/l
OC113-3
FEB. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
0
2
4
6
8
10

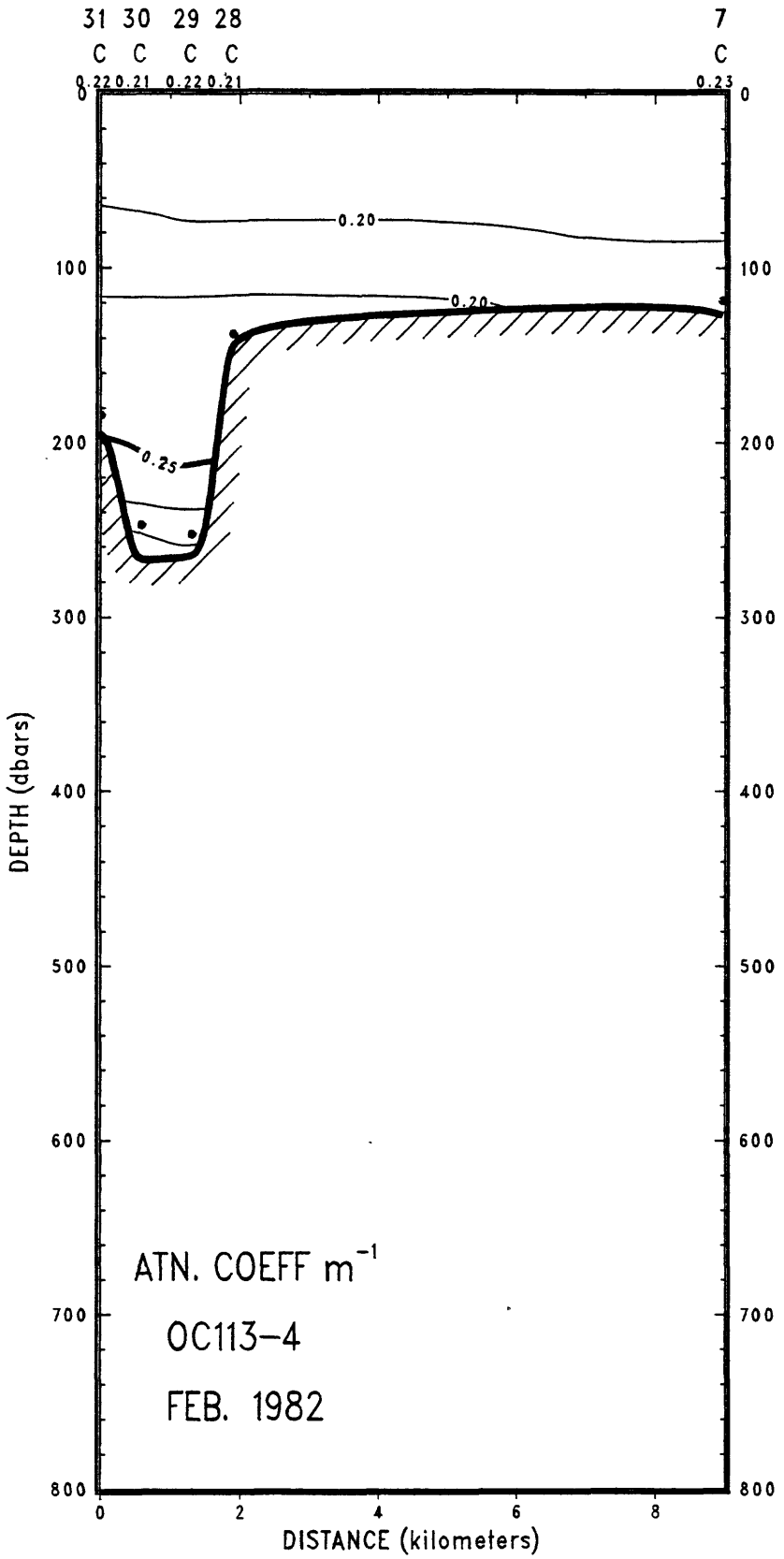

24 C 0.23
22 C 0.27
21 C 0.23
C 0.25
19 C
18 C 0.23
17 C 0.24
16 C 0.24
15 C 0.27
0.20
0.15
0.15
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
ATN. COEFF m^{-1}
OC113-3
FEB. 1982
0
2
4
6
8
10
DISTANCE (kilometers)

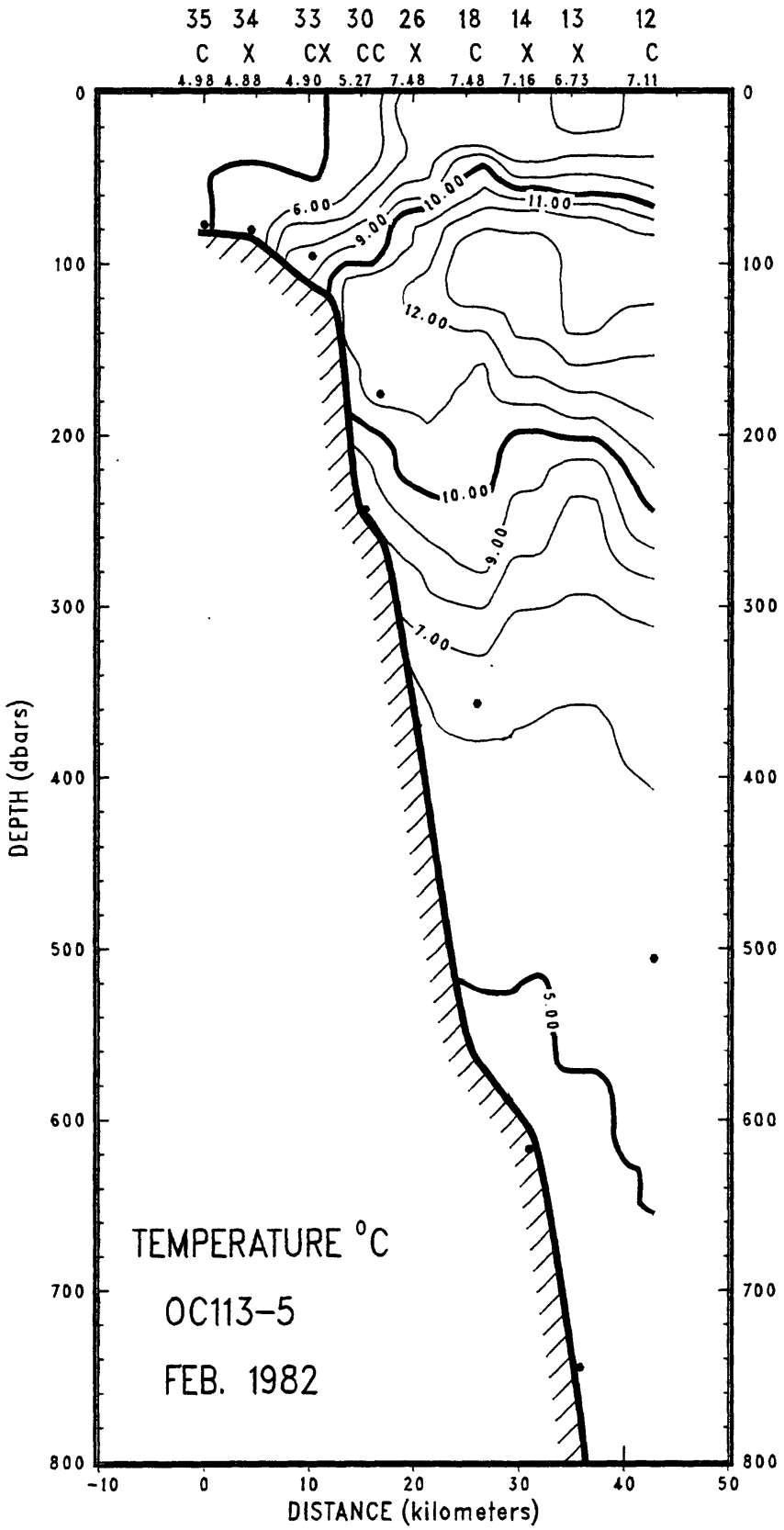

31 C 5.49
30 C 5.27
29 C 5.31
28 C 5.31
7 C 4.84
6.00
7.00
9.00
11.00
DEPTH (dbars)
DISTANCE (kilometers)
TEMPERATURE °C
OC113-4
FEB. 1982

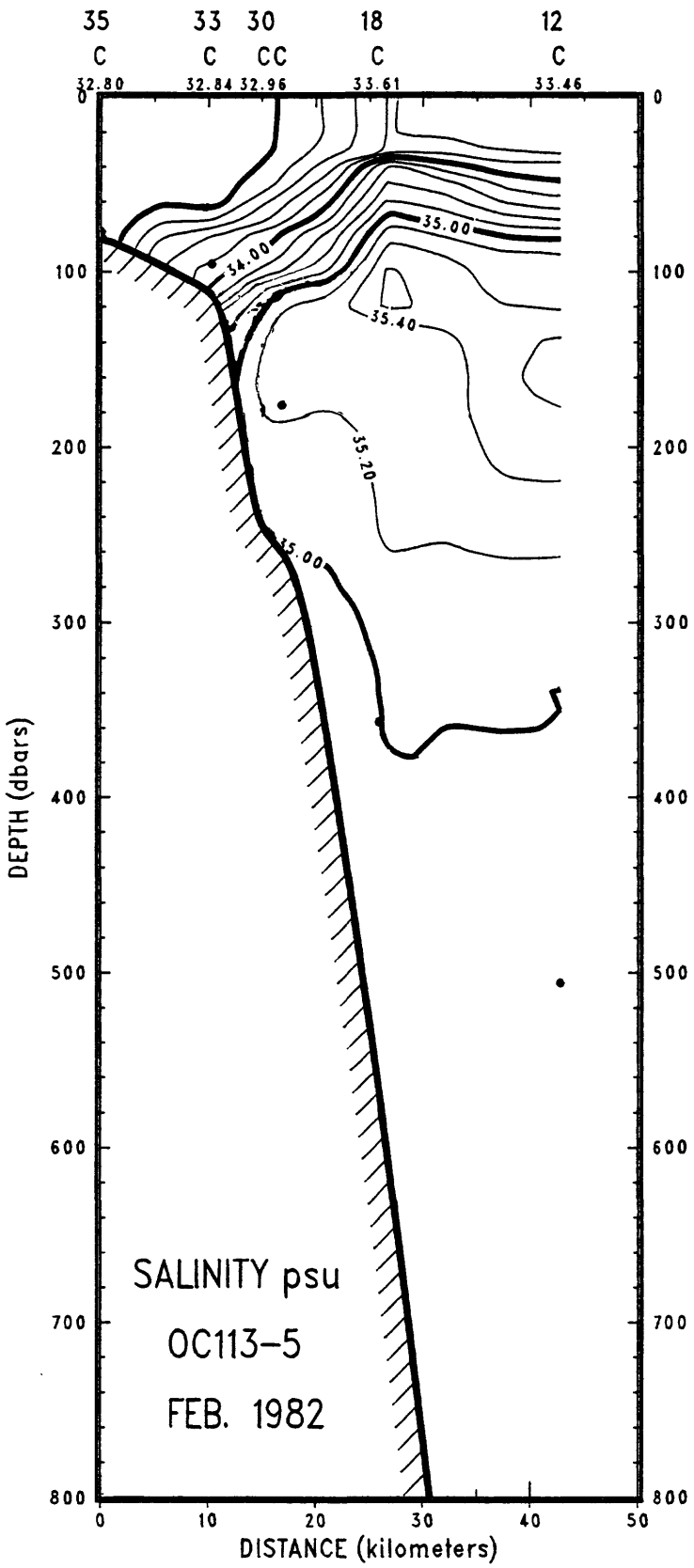

31 30 29 28 7
C C C C C
32.93 32.96 32.9 32.95 32.84
0
100
200
300
400
500
600
700
800
33.00
33.40
33.80
34.40
35.00
DEPTH (dbars)
SALINITY psu
OC113-4
FEB. 1982
0
2
4
6
8
DISTANCE (kilometers)

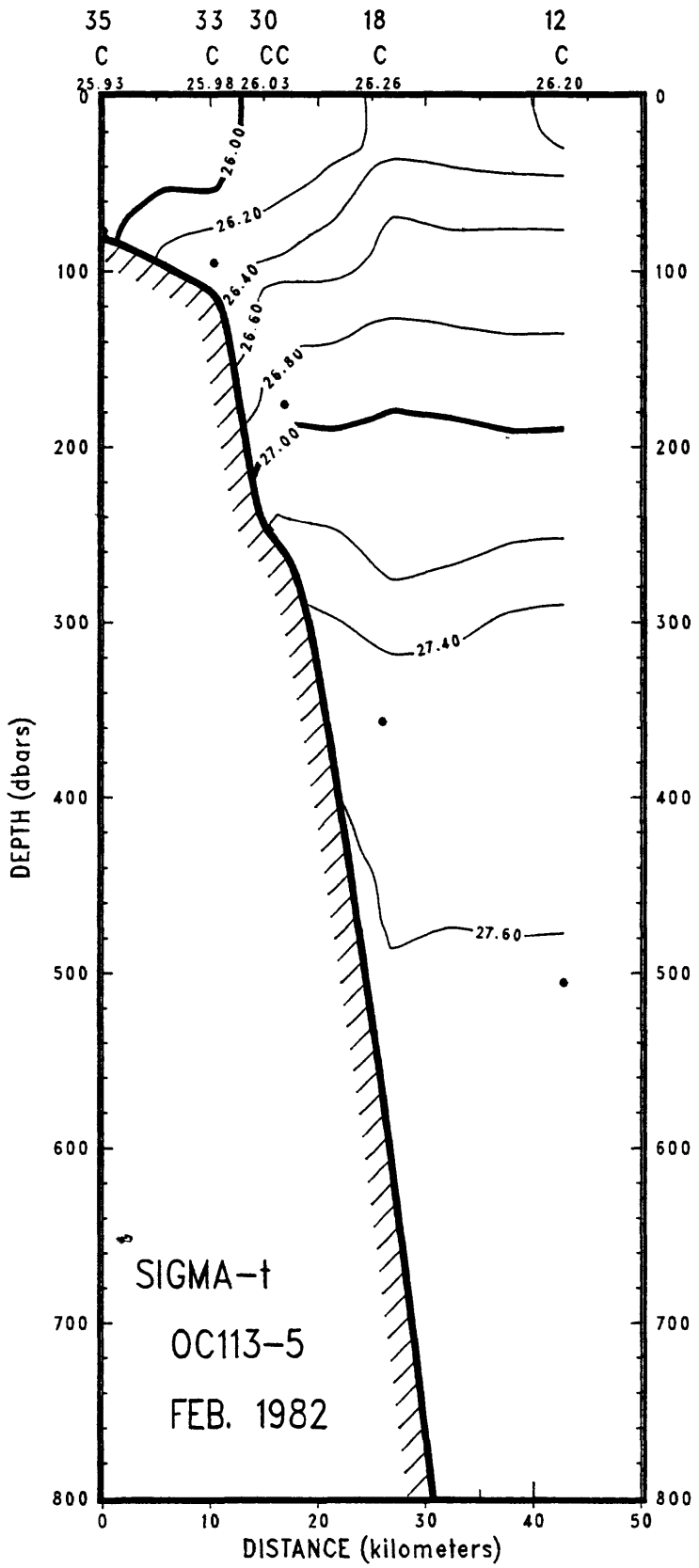

31 30 29 28 7
C C C C C
26.0 26.0 26.0 26.0 25.98
0
100
200
300
400
500
600
700
800
26.20
26.40
26.60
DEPTH (dbars)
SIGMA-t
OC113-4
FEB. 1982
0
2
4
6
8
DISTANCE (kilometers)

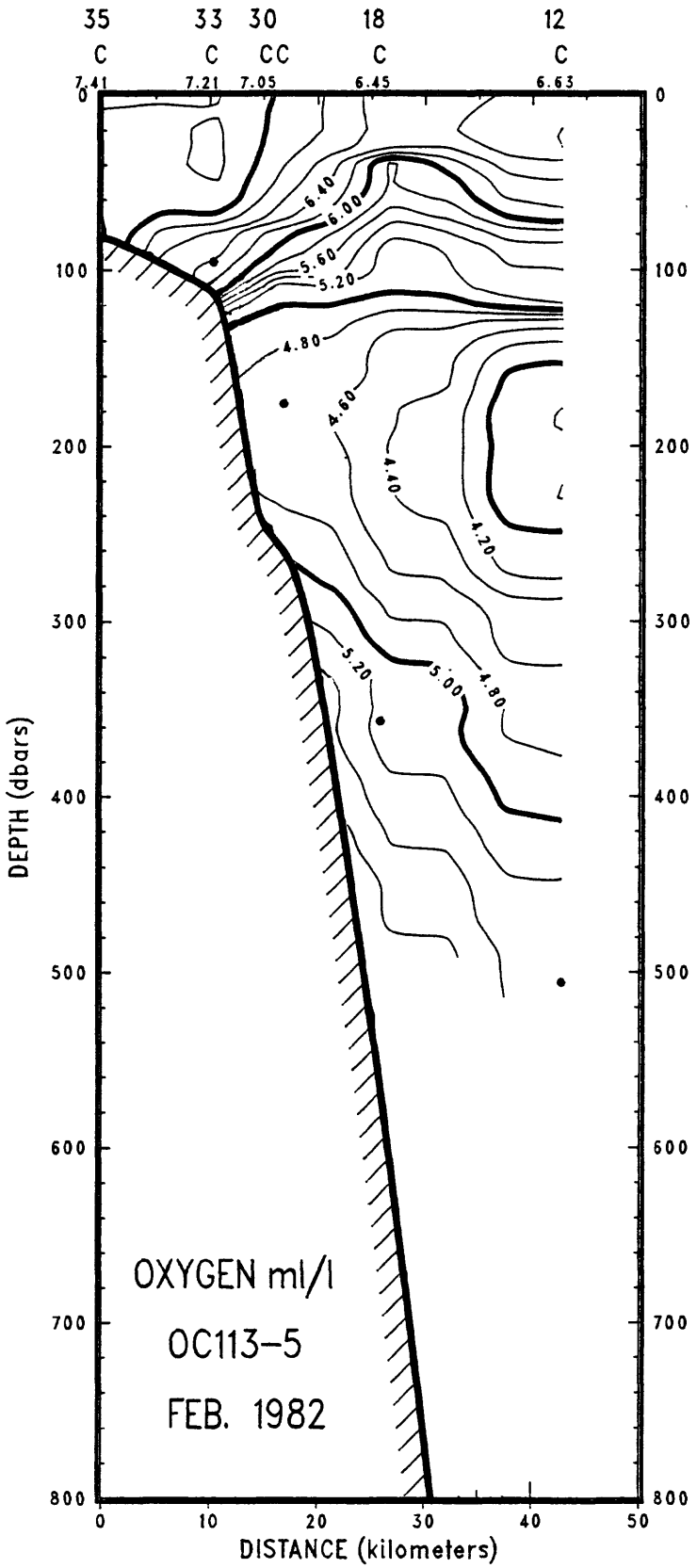

31 C
30 C
29 C
28 C
7 C
7.18
7.05
7.10
7.10
7.32
7.00
6.80
6.40
6.00
5.40
4.80
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
0
2
4
6
8
DISTANCE (kilometers)
OXYGEN ml/l
OC113-4
FEB. 1982

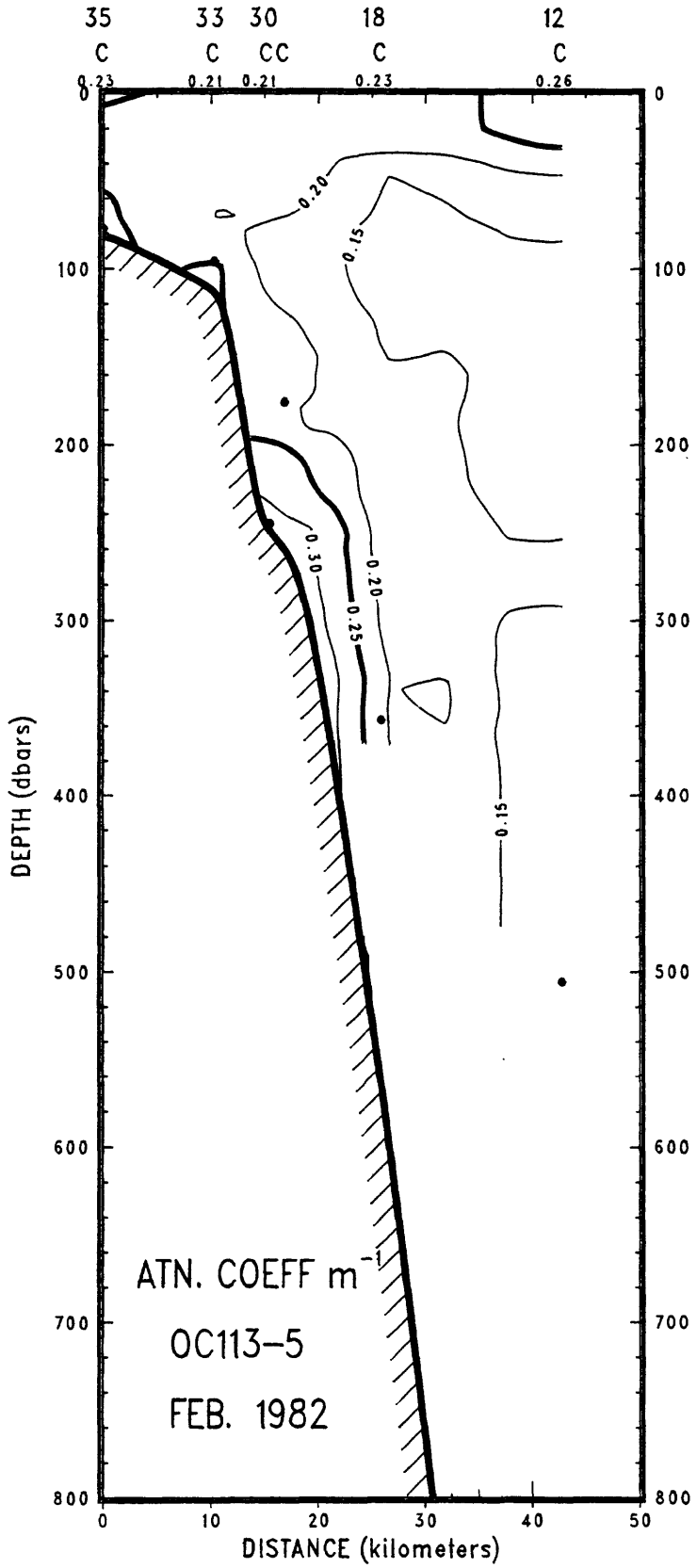

31 C
30 C
29 C
28 C
7 C
0.22
0.21
0.22
0.21
0.23
0.20
0.20
0.25
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
ATN. COEFF m^{-1}
OC113-4
FEB. 1982
0
2
4
6
8
DISTANCE (kilometers)

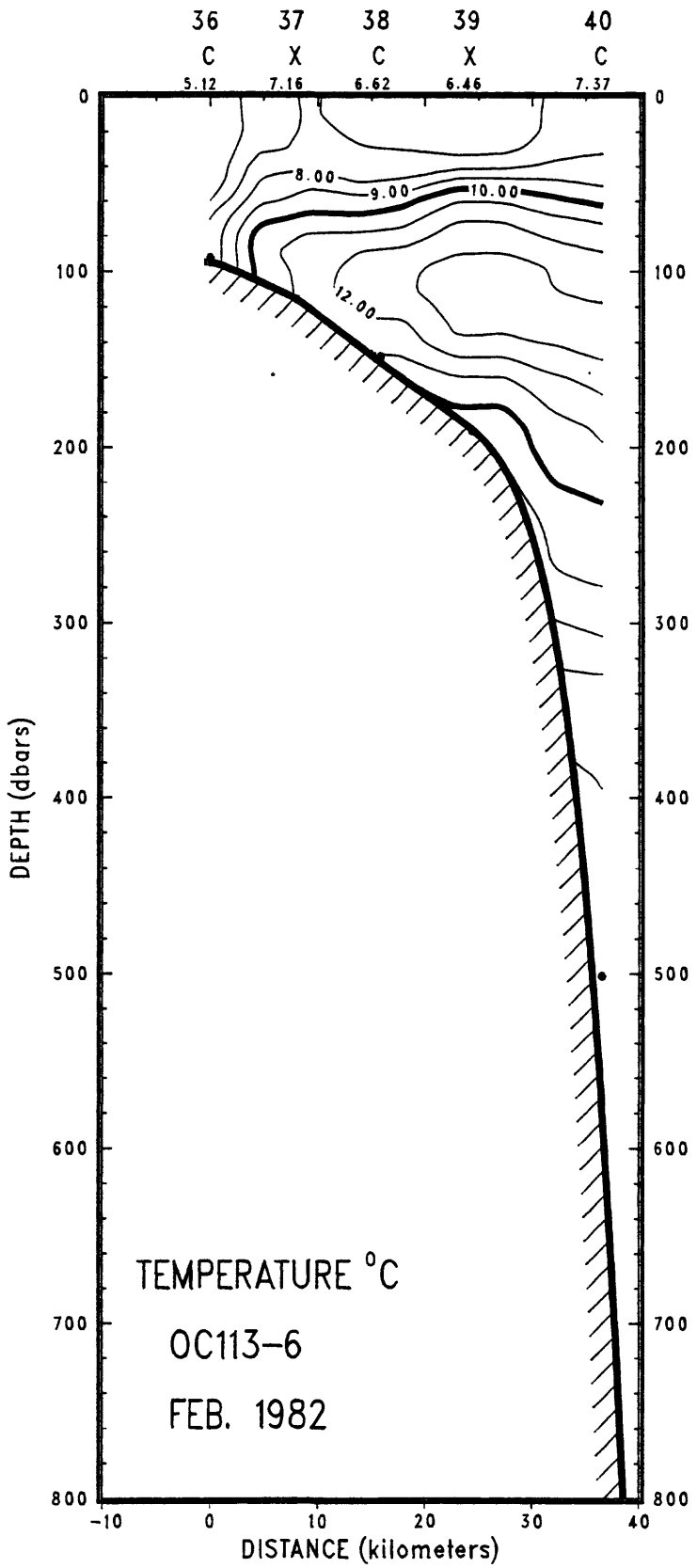

35 34 33 30 26 18 14 13 12
C X CX CC X C X X C
4.98 4.88 4.90 5.27 7.48 7.48 7.16 6.73 7.11
6.00
9.00
10.00
11.00
12.00
10.00
9.00
7.00
5.00
TEMPERATURE °C
OC113-5
FEB. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-10
0
10
20
30
40
50

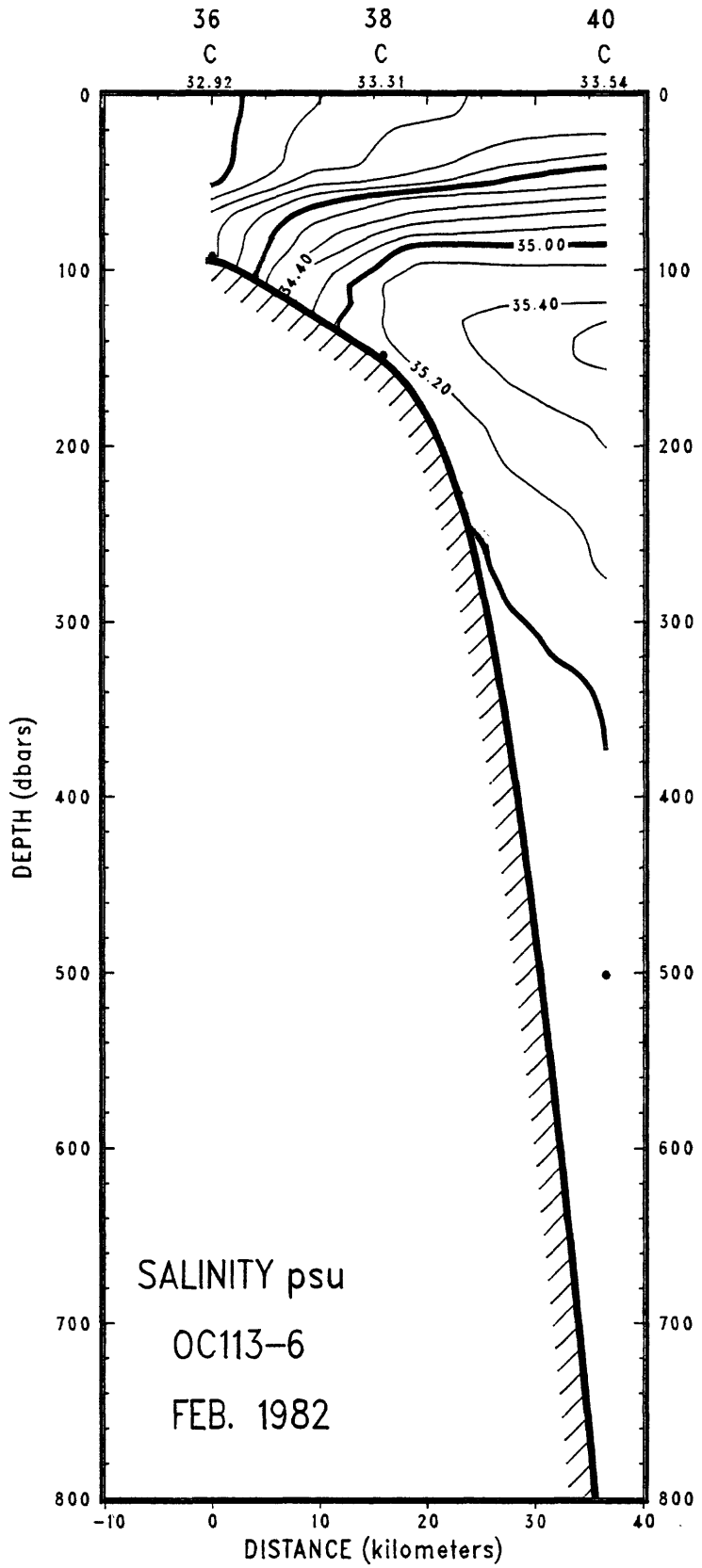

35 C
33 C
30 CC
18 C
12 C
32.80
32.84
32.96
33.61
33.46
34.00
35.00
35.40
35.20
35.00
SALINITY psu
OC113-5
FEB. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
10
20
30
40
50

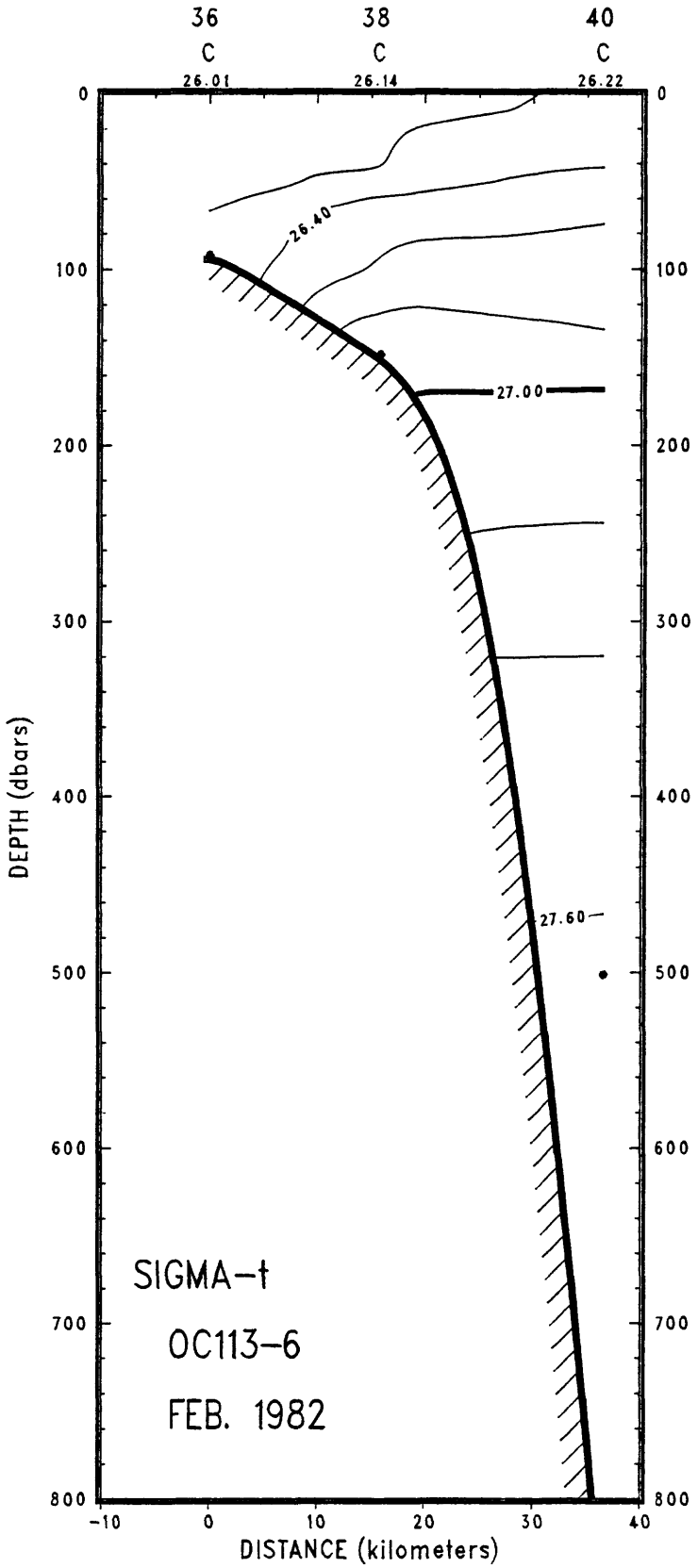

35 C 25.93
33 C 25.98
30 CC 26.03
18 C 26.26
12 C 26.20
26.00
26.20
26.40
26.60
26.80
27.00
27.40
27.60
SIGMA-t
OC113-5
FEB. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
10
20
30
40
50

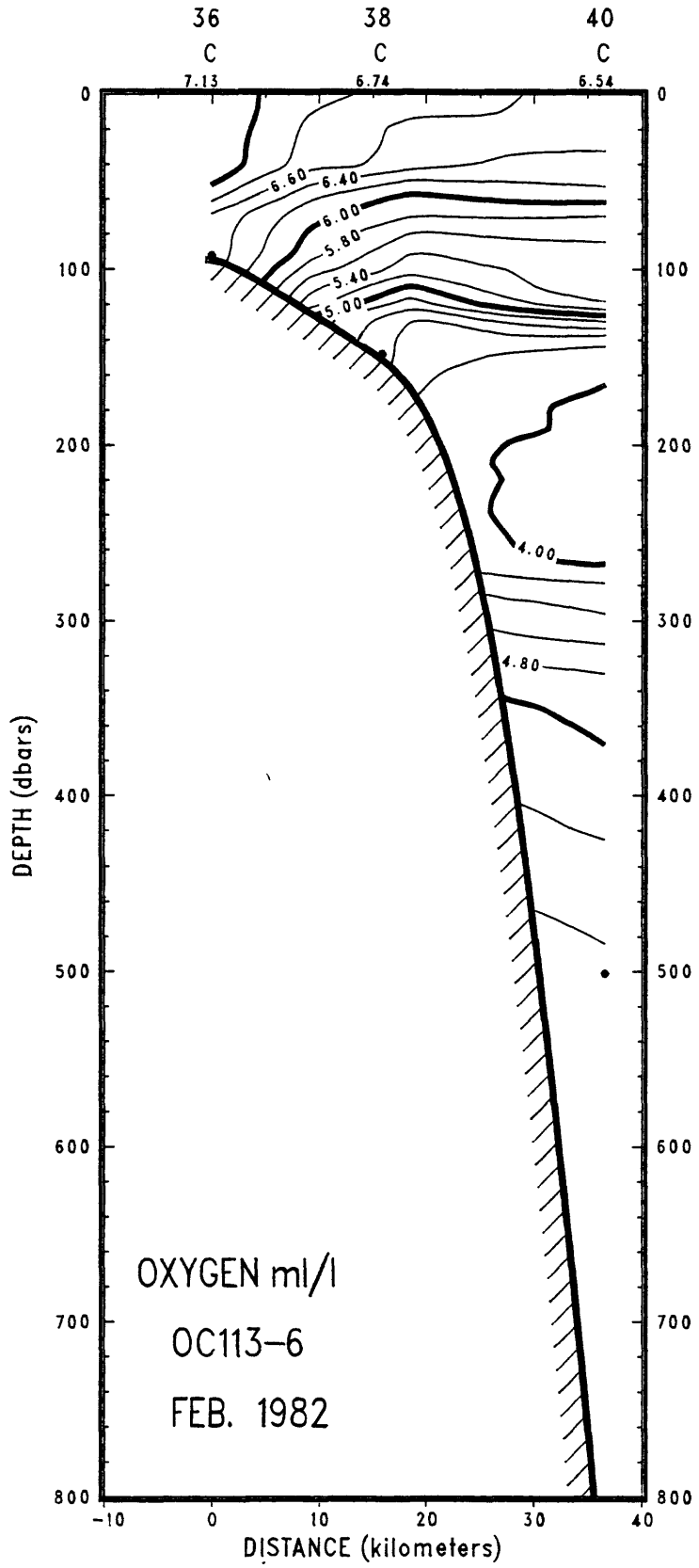

35 C
33 C
30 CC
18 C
12 C
7.41
7.21
7.05
6.45
6.63
6.40
6.00
5.60
5.20
4.80
4.60
4.40
4.20
5.20
5.00
4.80
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
0
10
20
30
40
50
DISTANCE (kilometers)
OXYGEN ml/l
OC113-5
FEB. 1982

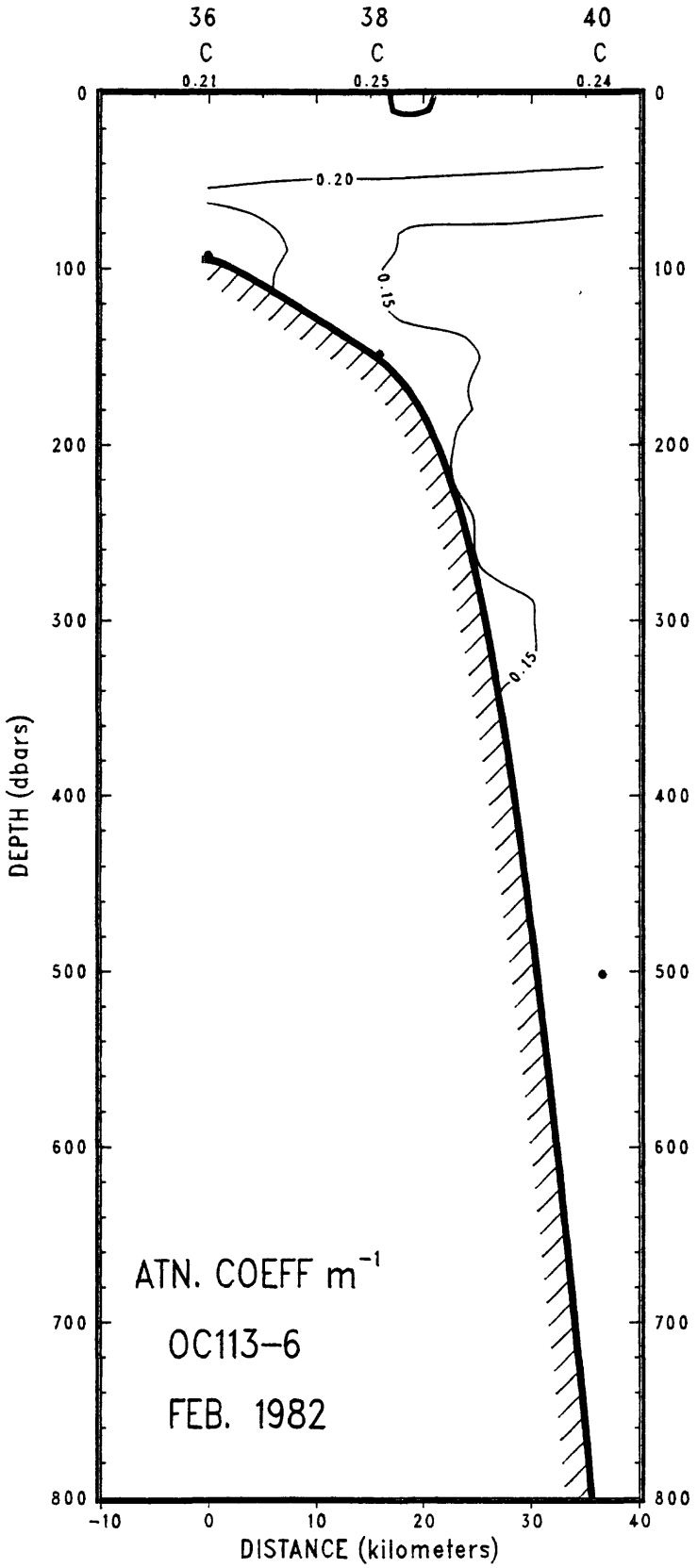

35 C
33 C
30 CC
18 C
12 C
0.23
0.21
0.21
0.23
0.26
0.20
0.15
0.30
0.25
0.20
0.15
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
0
10
20
30
40
50
DISTANCE (kilometers)
ATN. COEFF m^{-1}
OC113-5
FEB. 1982

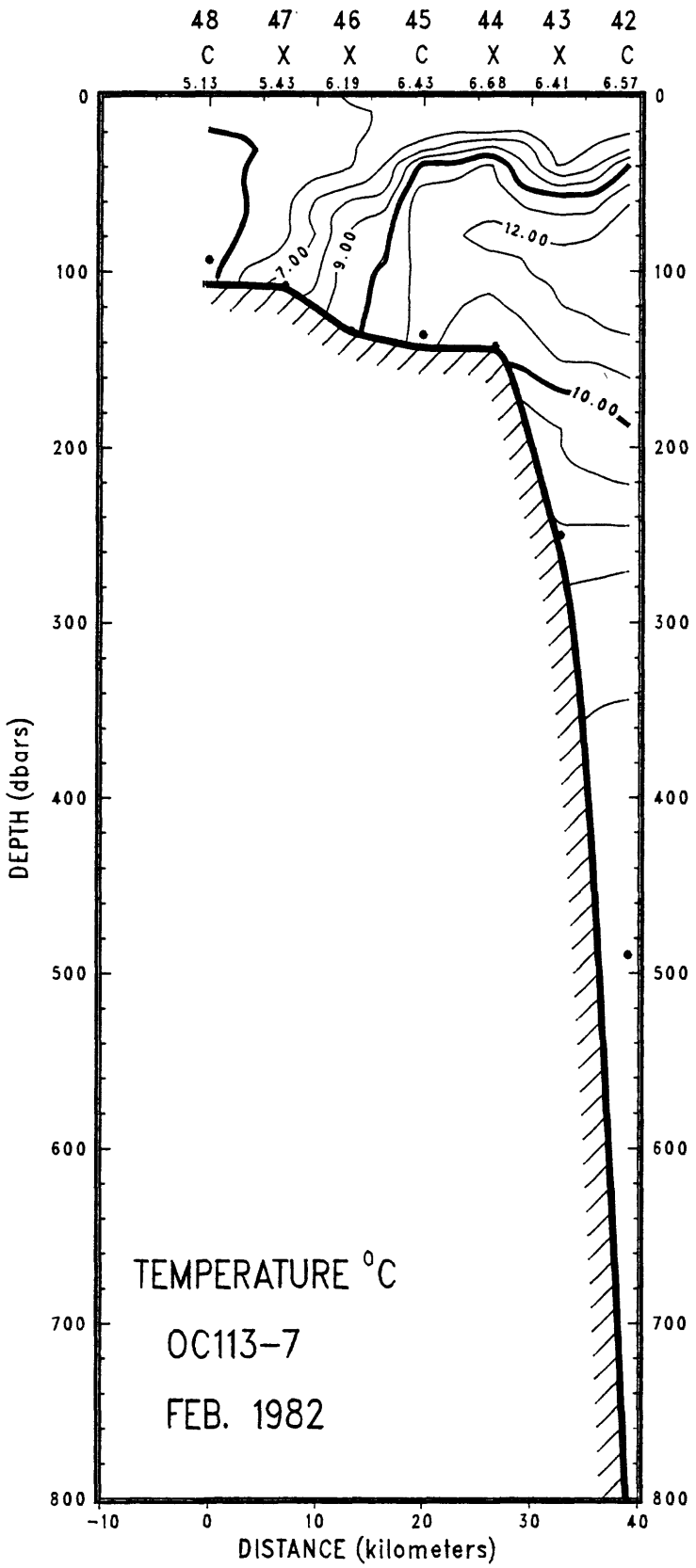

36
C
5.12
37
X
7.16
38
C
6.62
39
X
6.46
40
C
7.37
8.00
9.00
10.00
12.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
TEMPERATURE °C
OC113-6
FEB. 1982
-10
0
10
20
30
40
DISTANCE (kilometers)

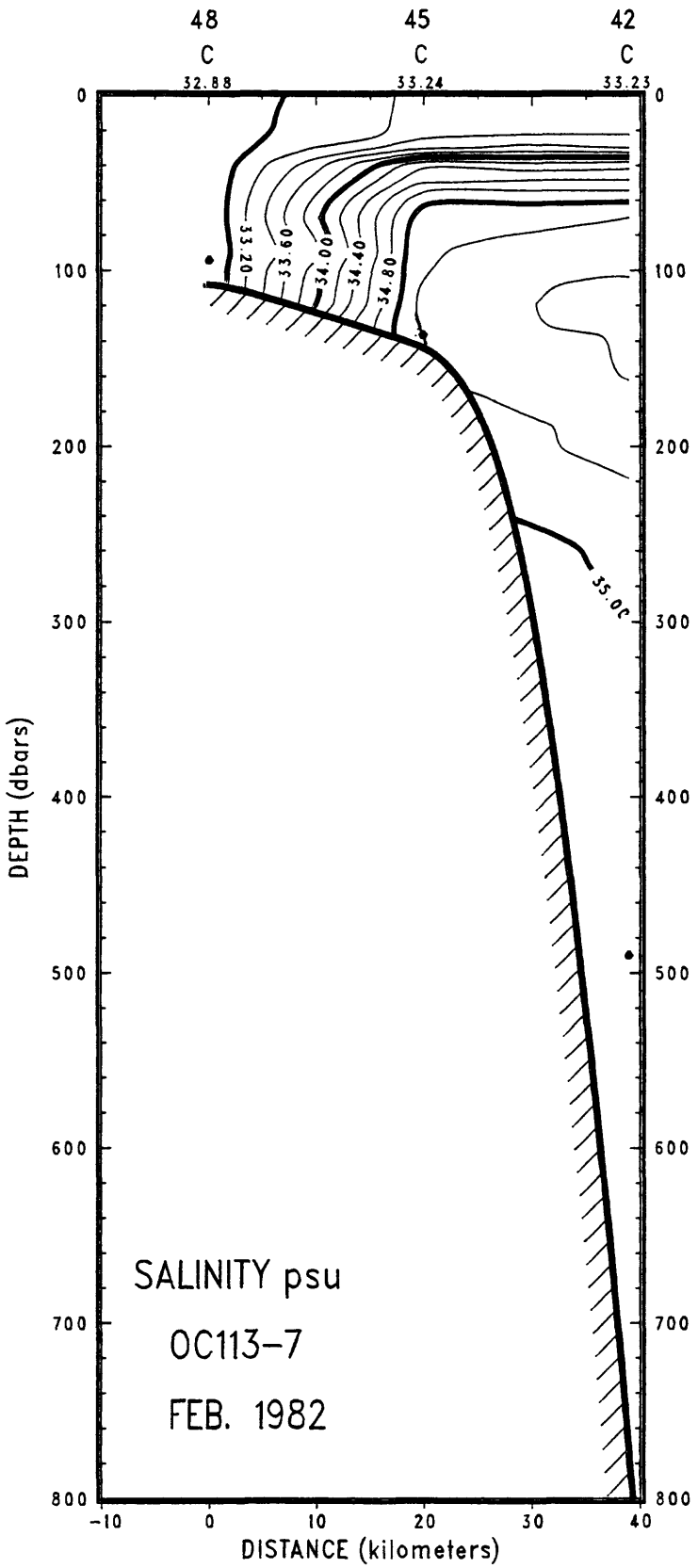

36
C
32.92
38
C
33.31
40
C
33.54
35.00
34.40
35.40
35.20
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SALINITY psu
OC113-6
FEB. 1982
-10
0
10
20
30
40
DISTANCE (kilometers)

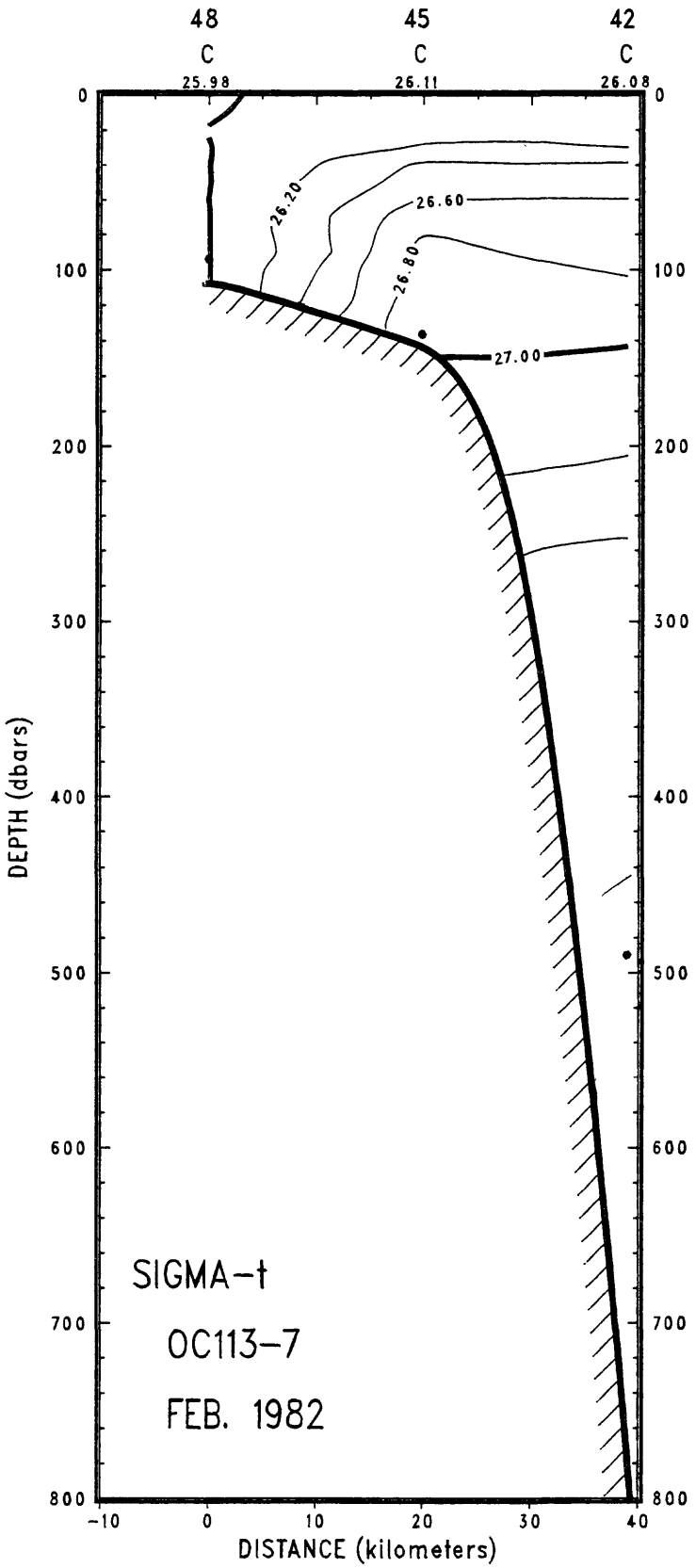

36
C
26.01
38
C
26.14
40
C
26.22
26.40
27.00
27.60
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SIGMA-t
OC113-6
FEB. 1982
-10
0
10
20
30
40
DISTANCE (kilometers)

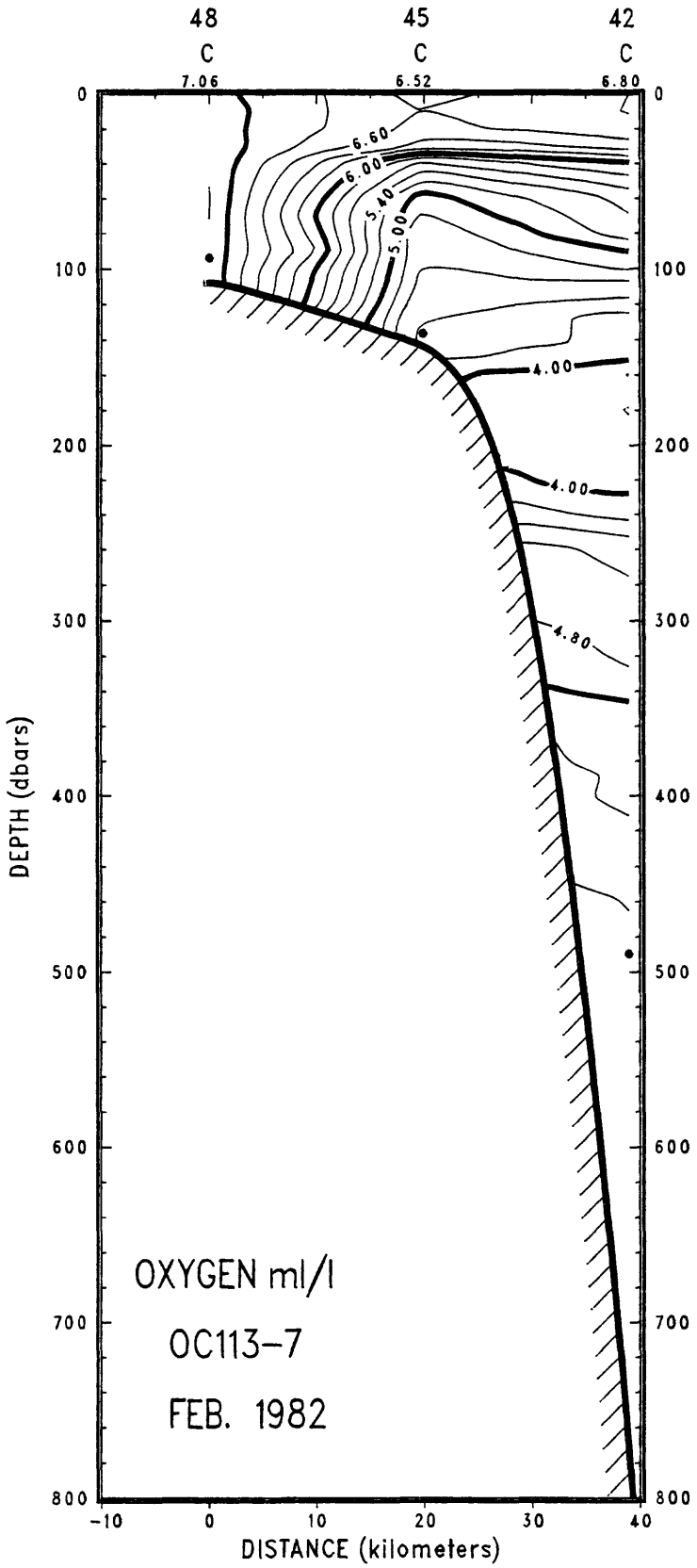

36
C
38
C
40
C
7.13
6.74
6.54
6.60
6.40
6.00
5.80
5.40
5.00
4.00
4.80
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
OXYGEN ml/l
OC113-6
FEB. 1982
-10
0
10
20
30
40
DISTANCE (kilometers)

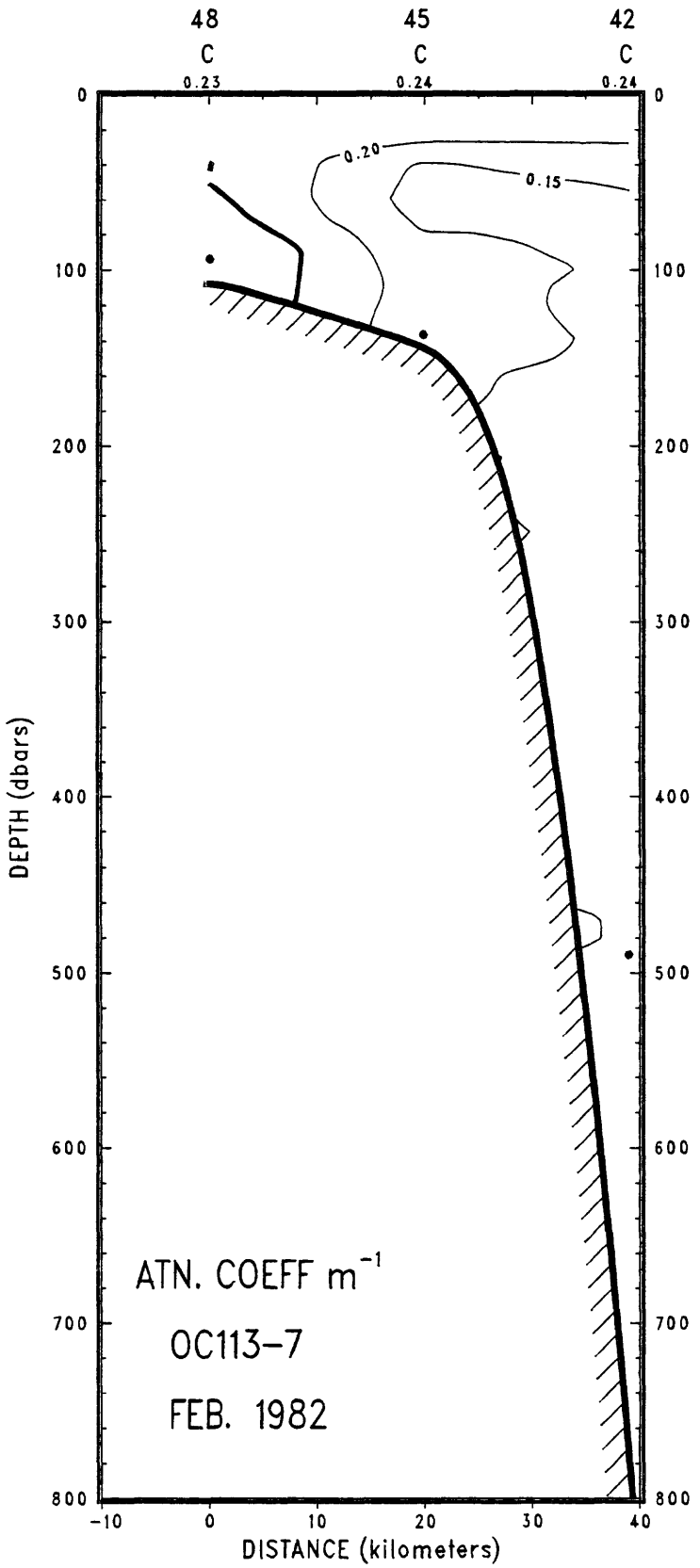

36
C
0.21
38
C
0.25
40
C
0.24
0.20
0.15
0.15
ATN. COEFF m^{-1}
OC113-6
FEB. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-10
0
10
20
30
40

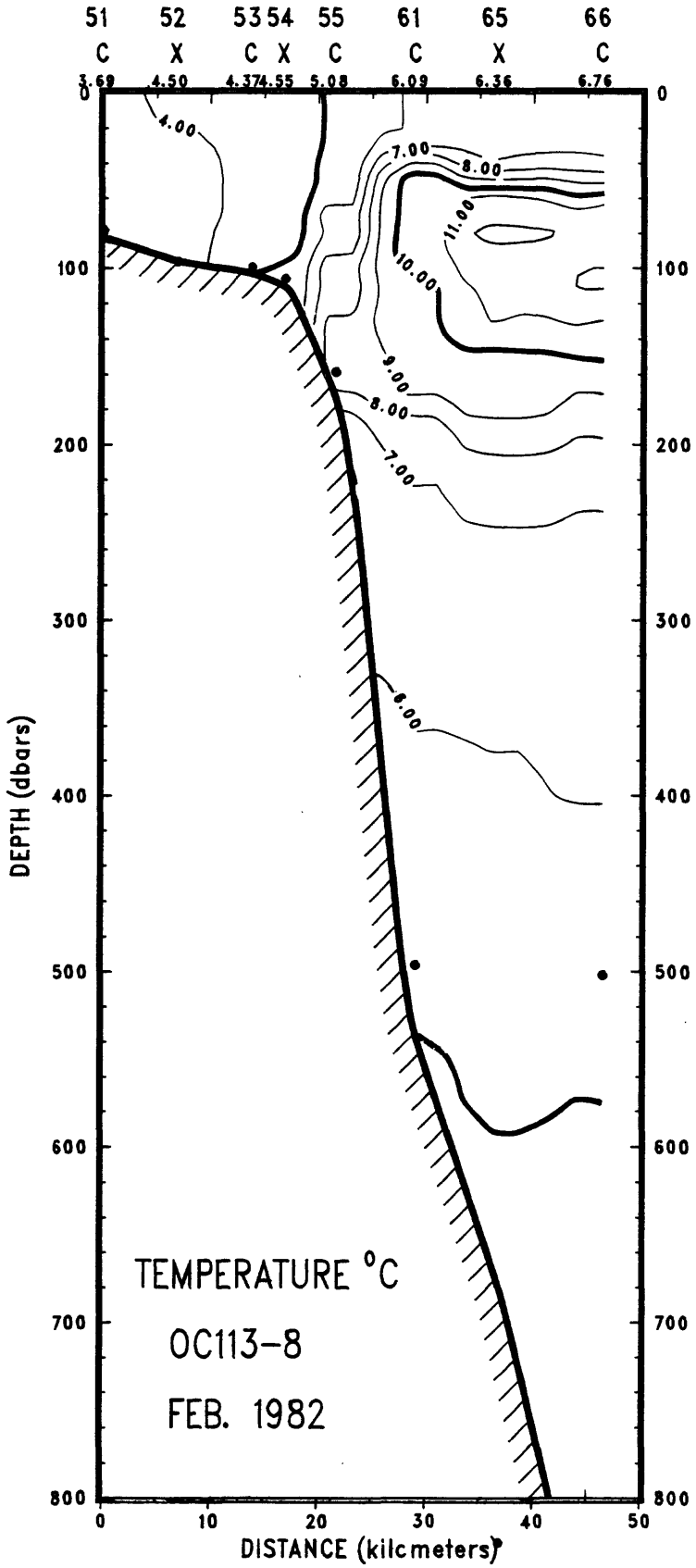

48 47 46 45 44 43 42
C X X C X X C
5.13 5.43 6.19 6.43 6.68 6.41 6.57
7.00
9.00
12.00
10.00
DEPTH (dbars)
DISTANCE (kilometers)
TEMPERATURE °C
OC113-7
FEB. 1982

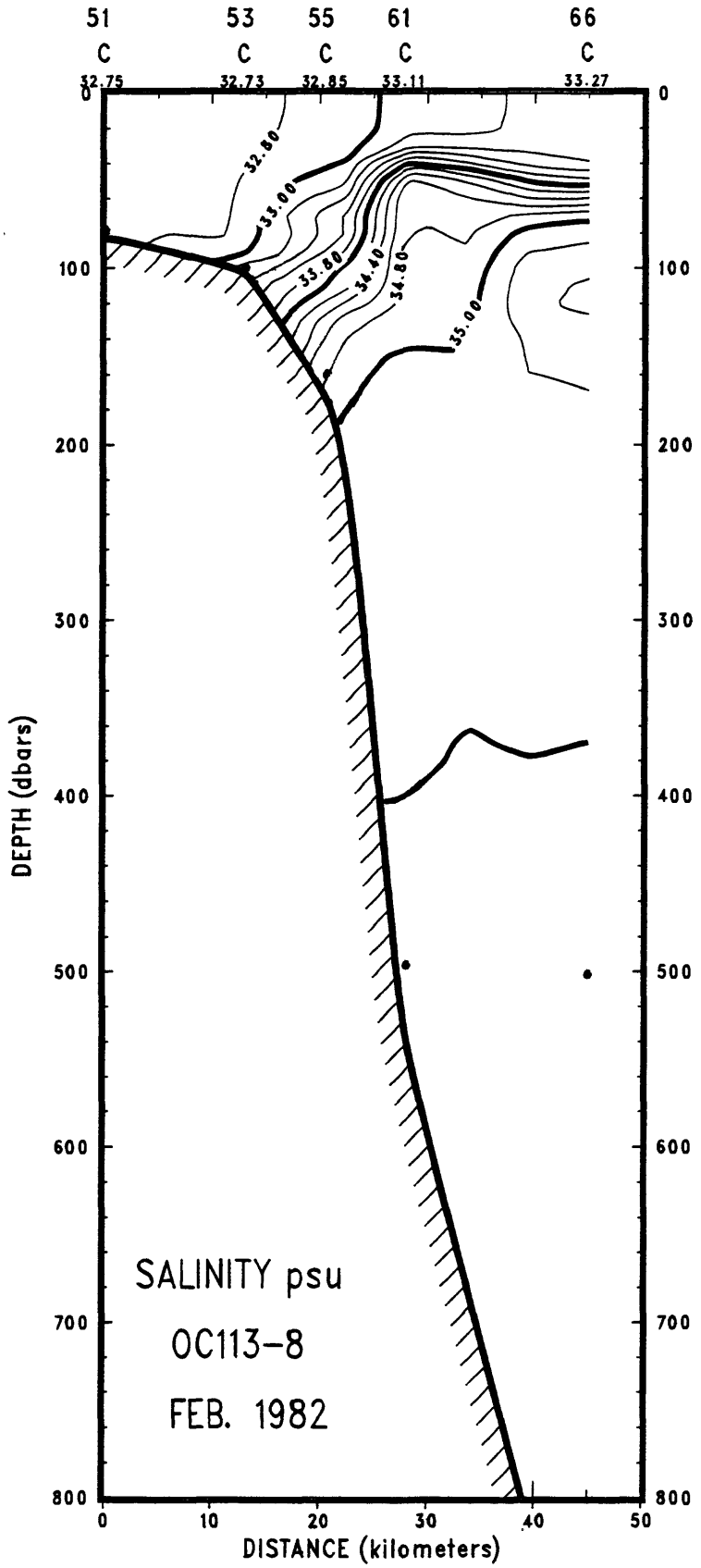

48
C
32.88
45
C
33.24
42
C
33.23
33.20
33.60
34.00
34.40
34.80
35.0C
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SALINITY psu
OC113-7
FEB. 1982
-10
0
10
20
30
40
DISTANCE (kilometers)

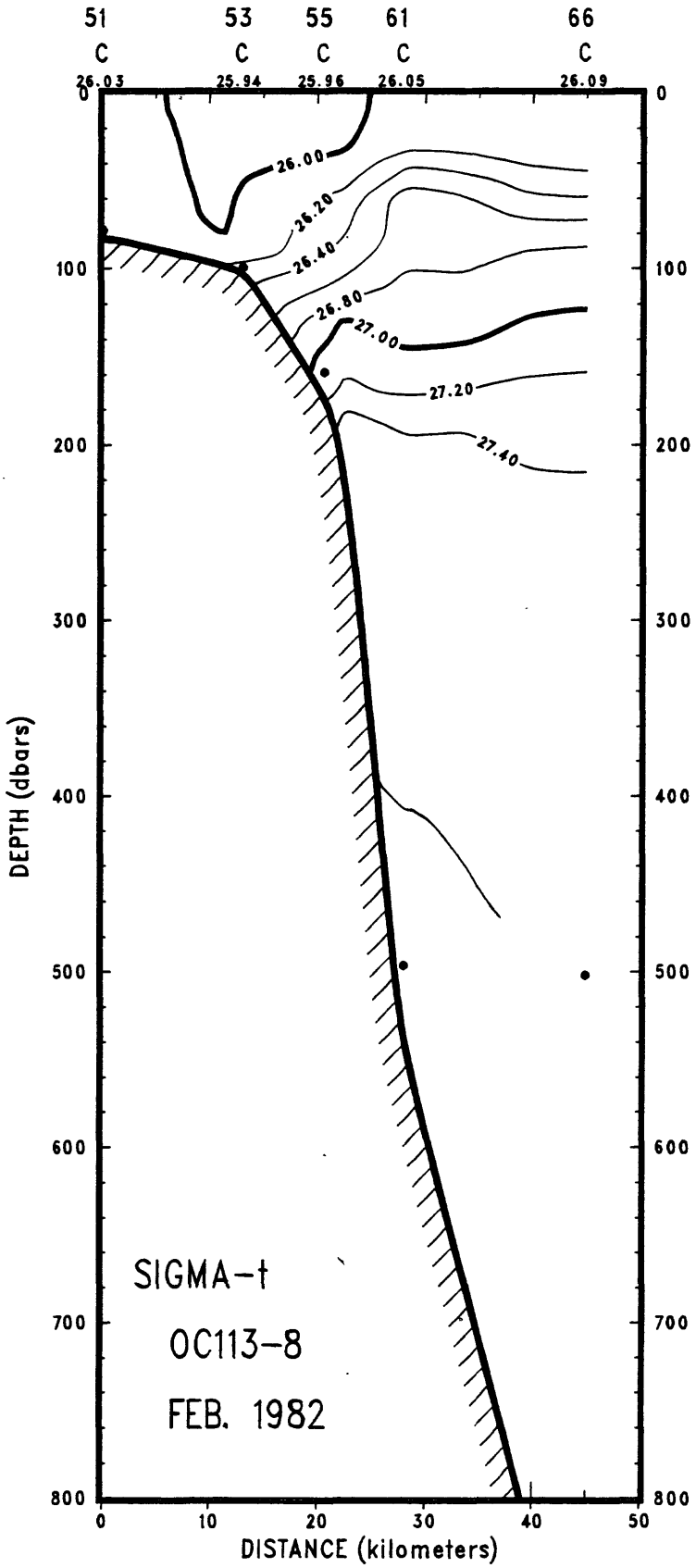

48
C
25.98
45
C
26.11
42
C
26.08
26.20
26.60
26.80
27.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SIGMA-t
OC113-7
FEB. 1982
-10
0
10
20
30
40
DISTANCE (kilometers)

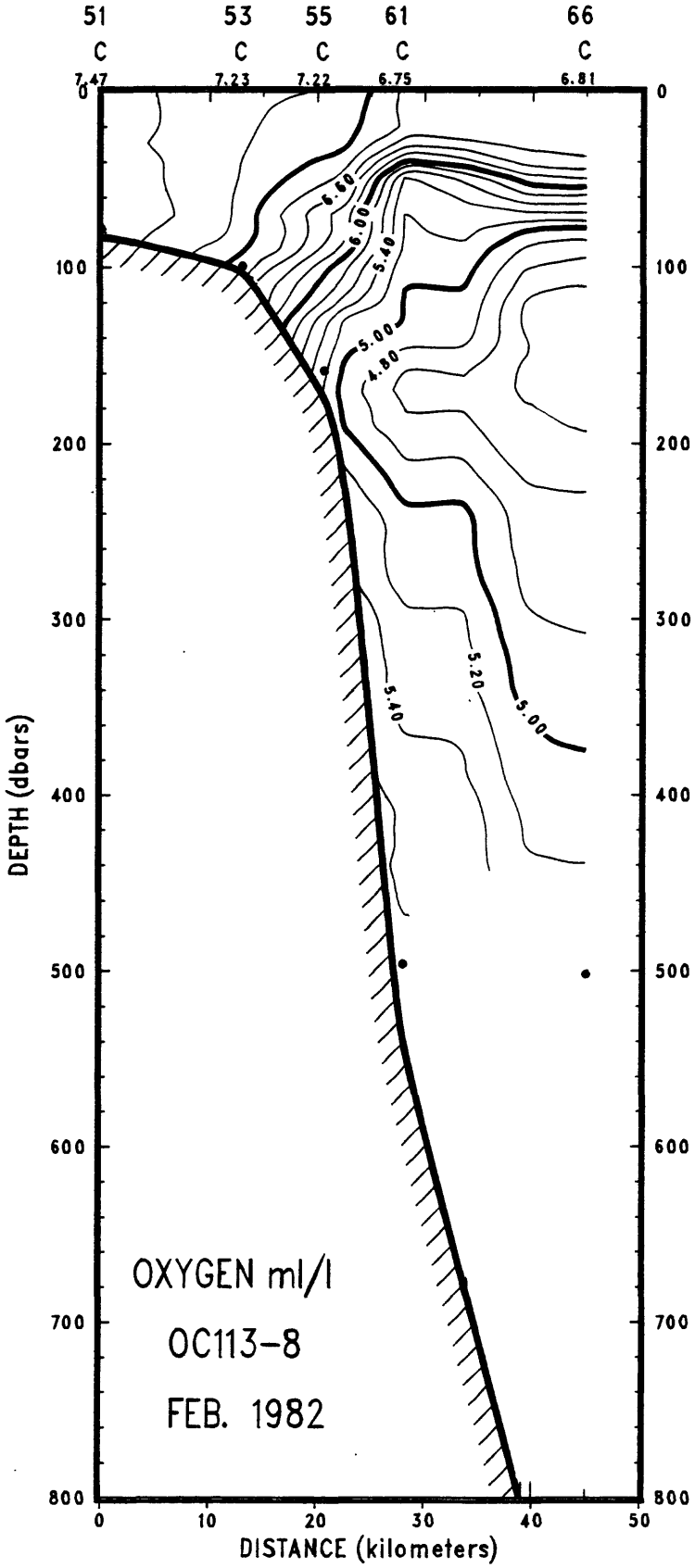

48
C
7.06
45
C
6.52
42
C
6.80
6.60
6.00
5.40
5.00
4.00
4.00
4.80
OXYGEN ml/l
OC113-7
FEB. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-10
0
10
20
30
40

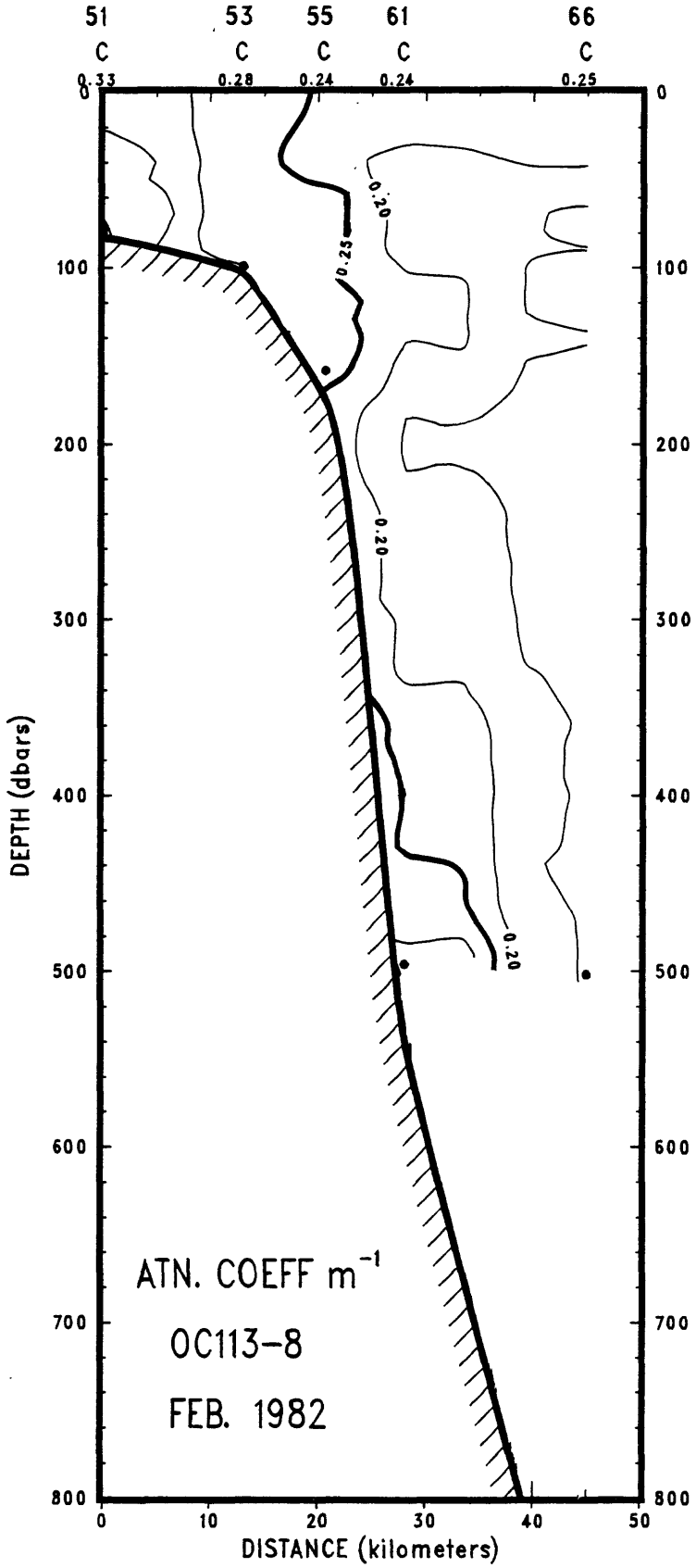

48
C
0.23
45
C
0.24
42
C
0.24
0.20
0.15
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
ATN. COEFF m^{-1}
OC113-7
FEB. 1982
-10
0
10
20
30
40
DISTANCE (kilometers)

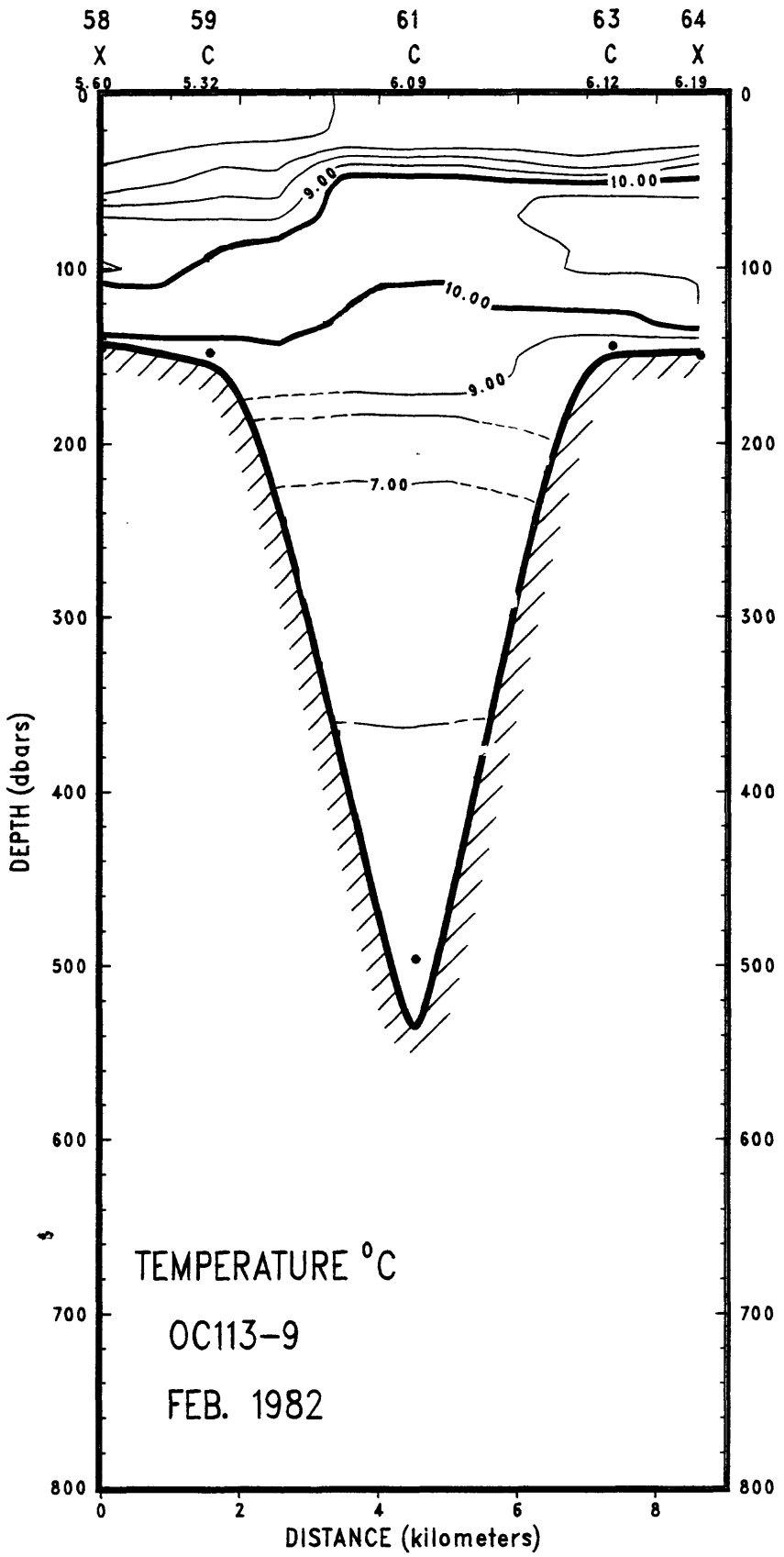

51 52 53 54 55 61 65 66
C X C X C C X C
3.69 4.50 4.37 4.55 5.08 6.09 6.36 6.76
4.00
7.00
8.00
11.00
10.00
9.00
8.00
7.00
6.00
DEPTH (dbars)
0 100 200 300 400 500 600 700 800
TEMPERATURE °C
OC113-8
FEB. 1982
0 10 20 30 40 50
DISTANCE (kilometers)

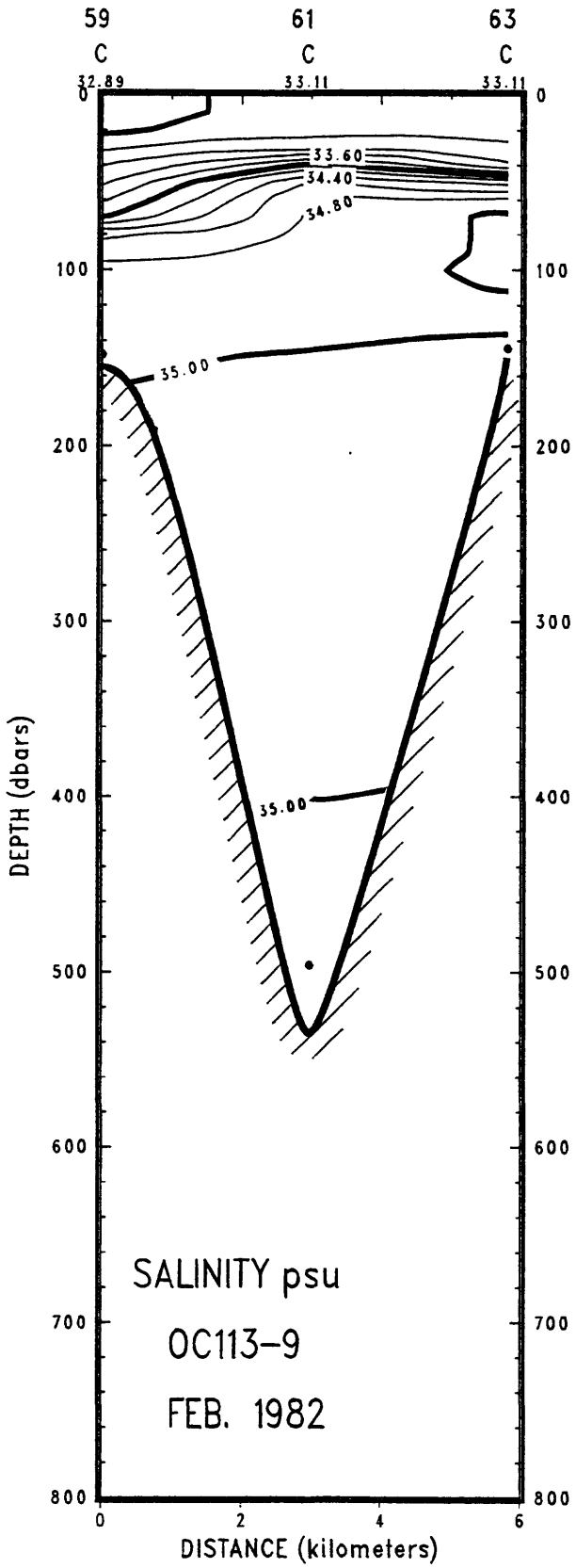

51
C
32.75
53
C
32.73
55
C
32.85
61
C
33.11
66
C
33.27
32.80
33.00
33.80
34.40
34.80
35.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SALINITY psu
OC113-8
FEB. 1982
0
10
20
30
40
50
DISTANCE (kilometers)

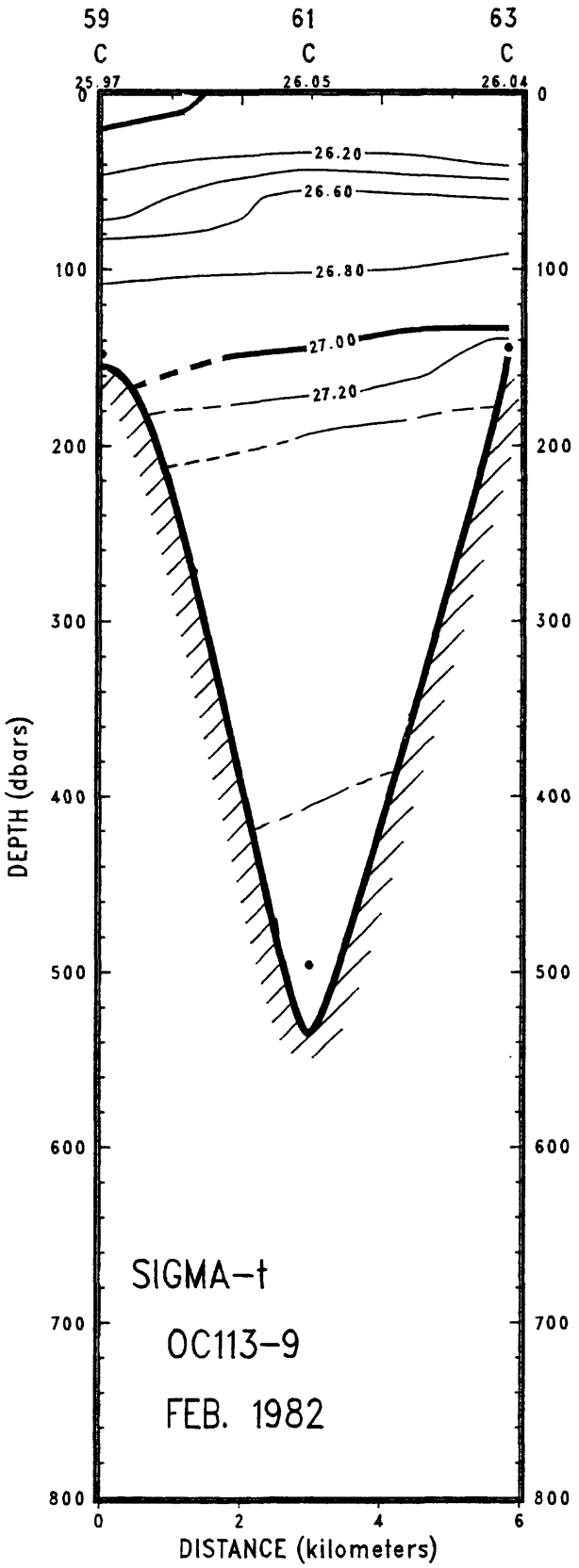

51
C
26.03
53
C
25.94
55
C
25.96
61
C
26.05
66
C
26.09
26.00
26.20
26.40
26.80
27.00
27.20
27.40
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SIGMA-t
OC113-8
FEB. 1982
0
10
20
30
40
50
DISTANCE (kilometers)

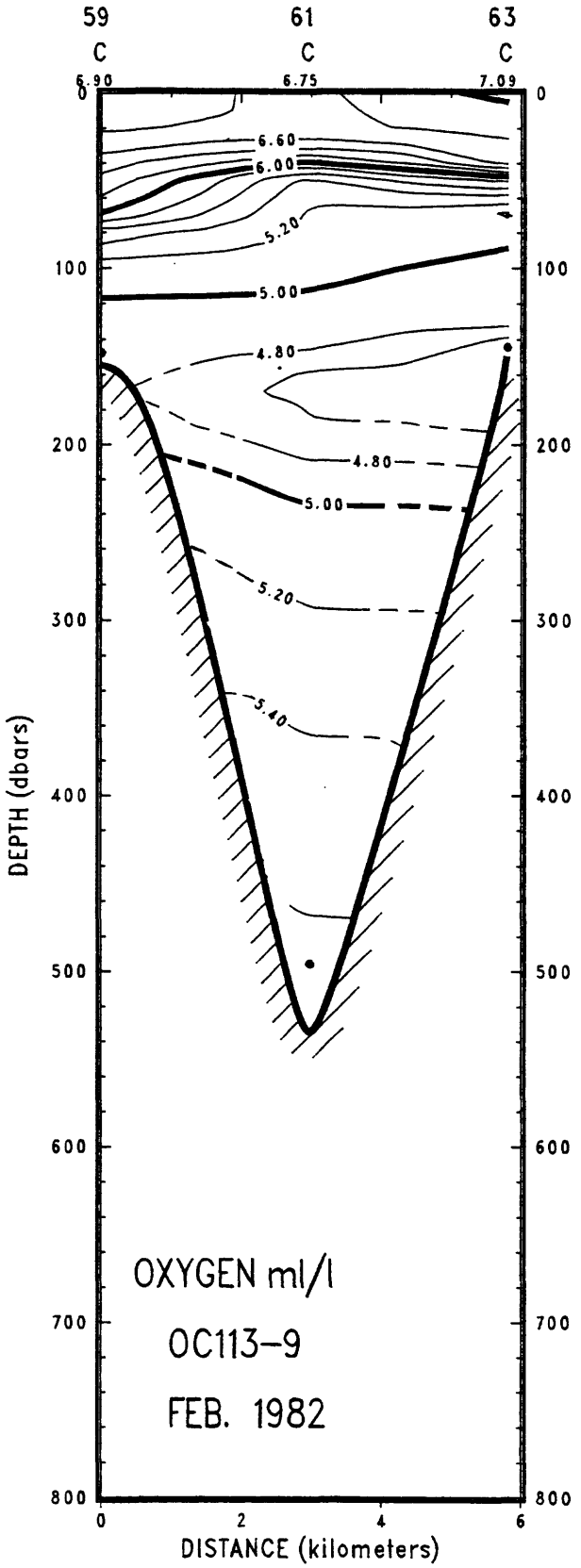

51
C
7.47
53
C
7.23
55
C
7.22
61
C
6.75
66
C
6.81
6.80
6.60
5.40
5.00
4.80
5.20
5.00
5.40
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
OXYGEN ml/l
OC113-8
FEB. 1982
0
10
20
30
40
50
DISTANCE (kilometers)

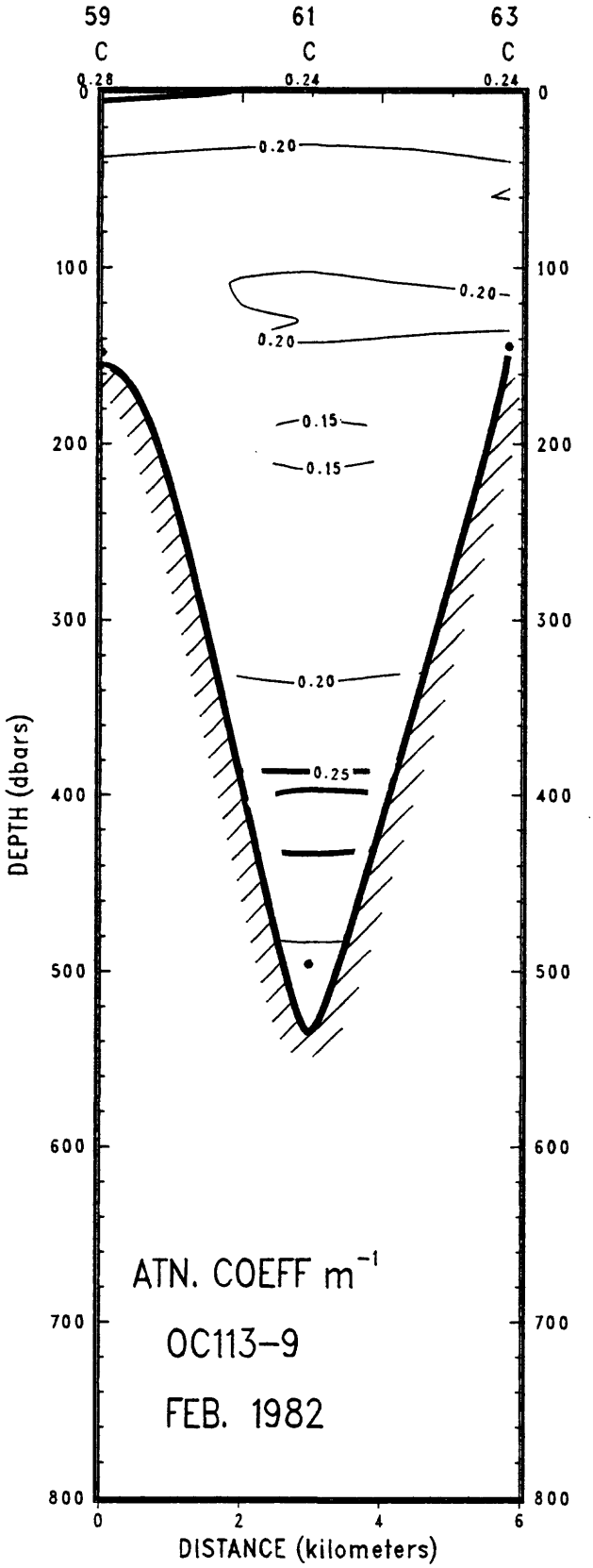

51
C
0.33
53
C
0.28
55
C
0.24
61
C
0.24
66
C
0.25
0.20
0.25
0.20
0.20
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
0
10
20
30
40
50
DISTANCE (kilometers)
ATN. COEFF m^{-1}
OC113-8
FEB. 1982

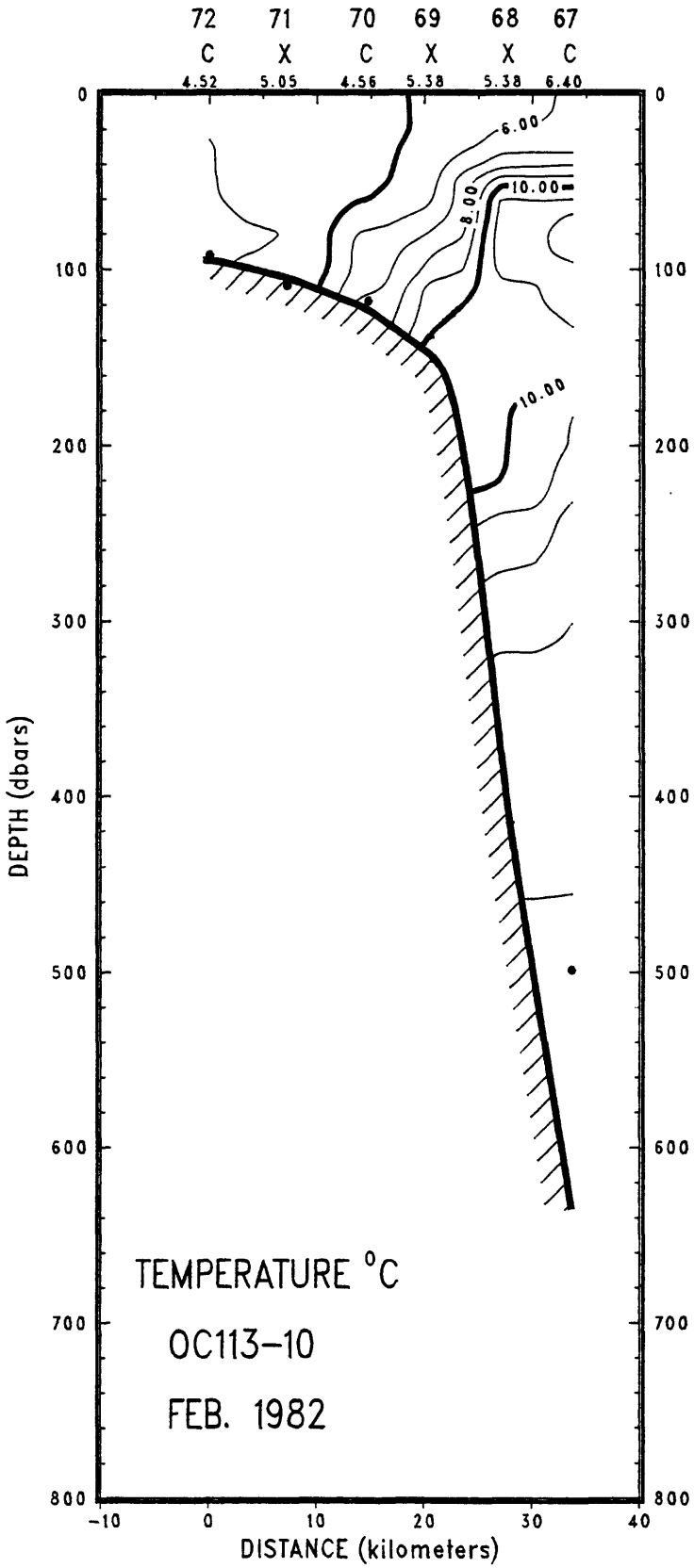

58
X
5.60
59
C
5.32
61
C
6.09
63
C
6.12
64
X
6.19
9.00
10.00
10.00
9.00
7.00
DEPTH (dbars)
TEMPERATURE °C
OC113-9
FEB. 1982
DISTANCE (kilometers)

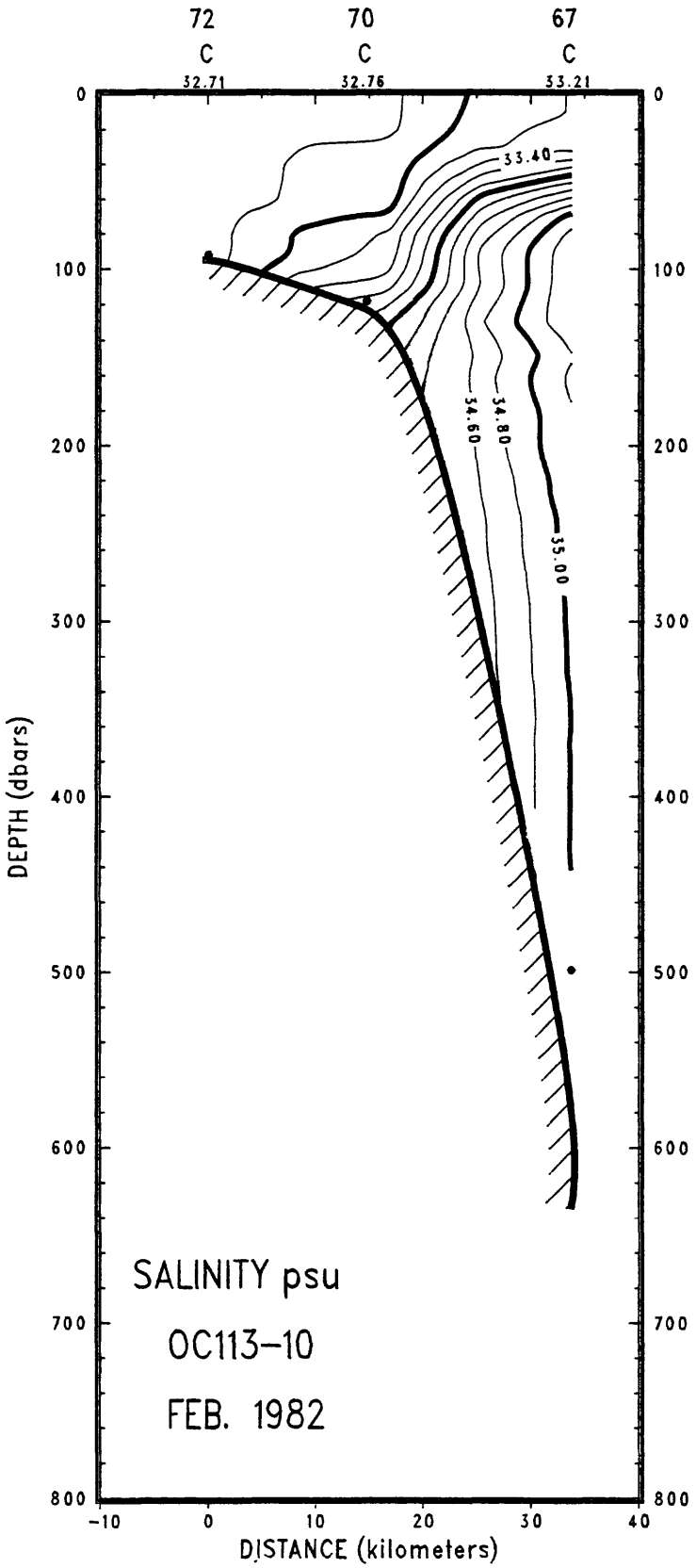

59
C
32.89
61
C
33.11
63
C
33.11
33.60
34.40
34.80
35.00
35.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SALINITY psu
OC113-9
FEB. 1982
0
2
4
6
DISTANCE (kilometers)

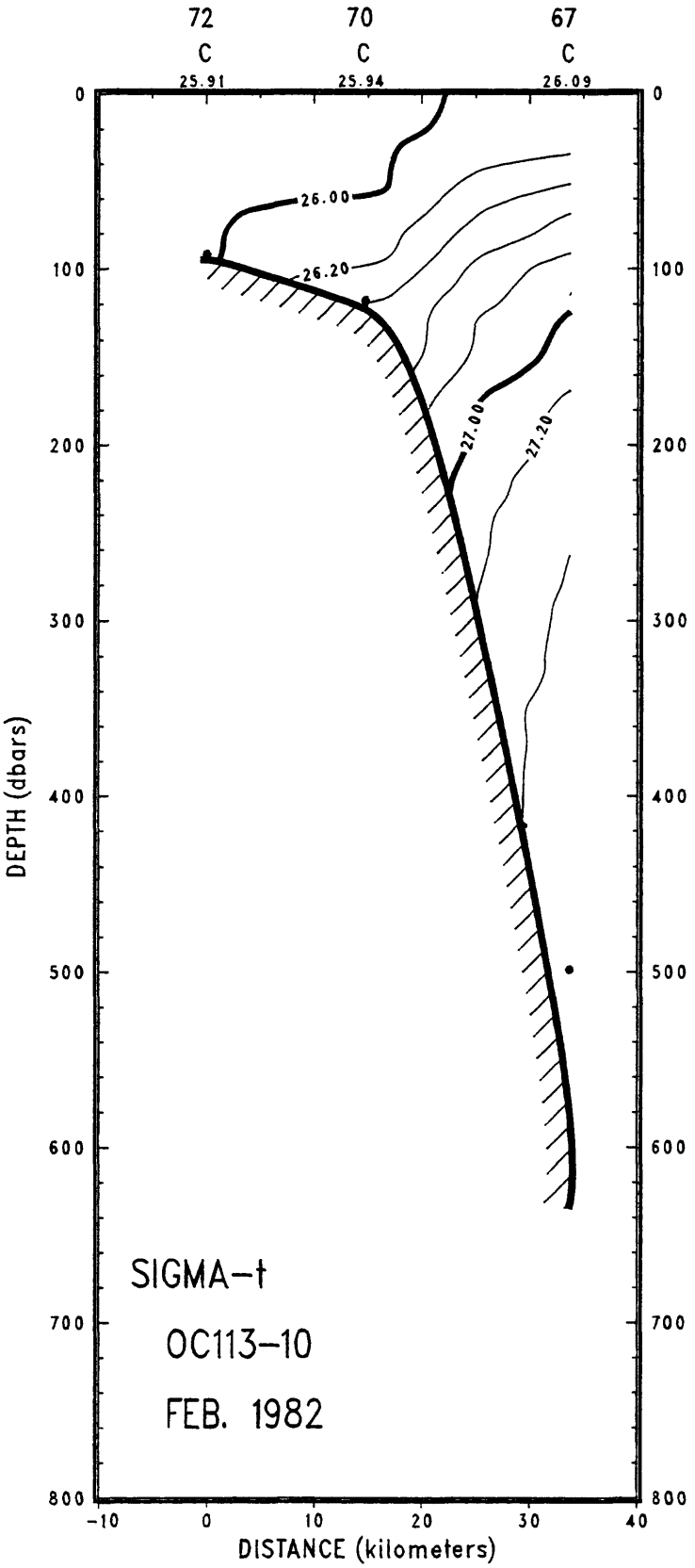

59
C
61
C
63
C
25.97
26.05
26.04
26.20
26.60
26.80
27.00
27.20
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SIGMA-t
OC113-9
FEB. 1982
0
2
4
6
DISTANCE (kilometers)

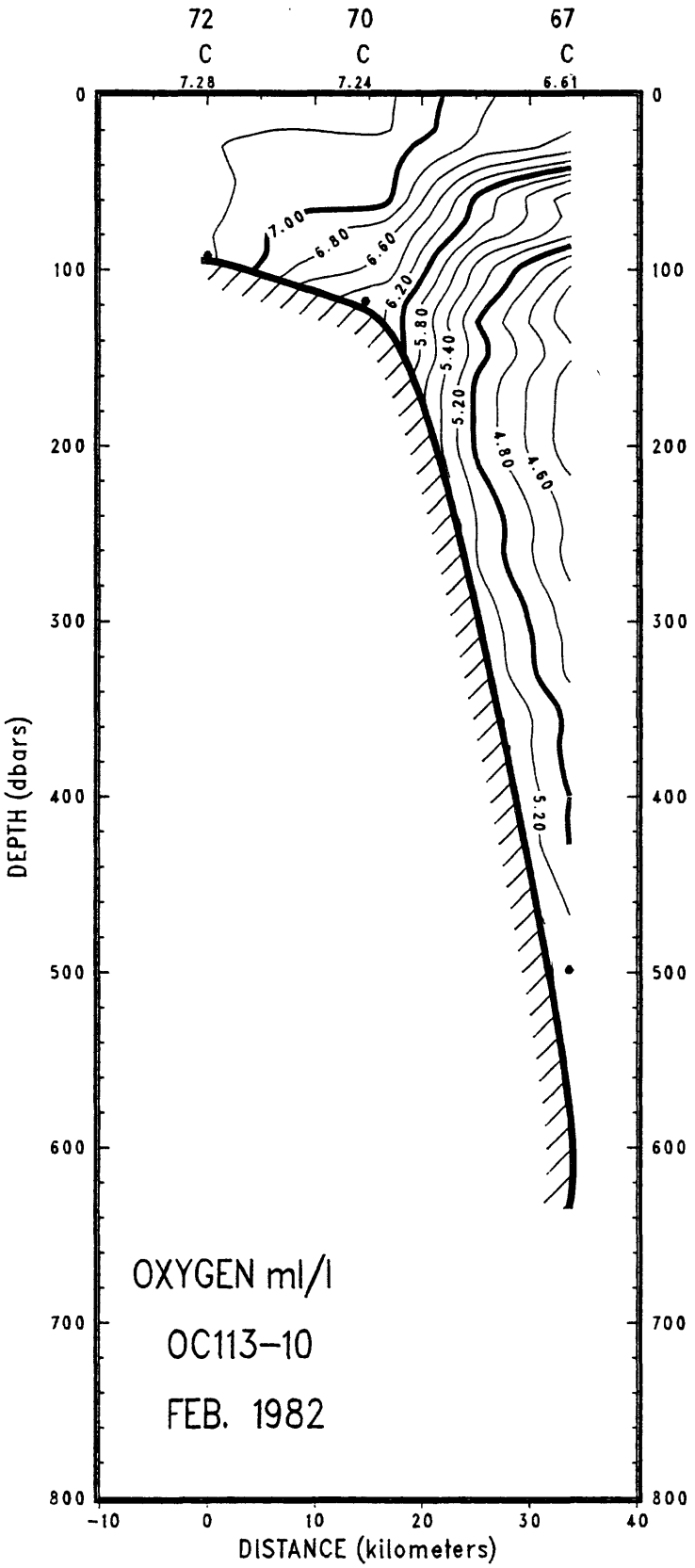

59
C
61
C
63
C
6.90
6.75
7.09
6.60
6.00
5.20
5.00
4.80
4.80
5.00
5.20
5.40
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
OXYGEN ml/l
OC113-9
FEB. 1982
0
2
4
6
DISTANCE (kilometers)

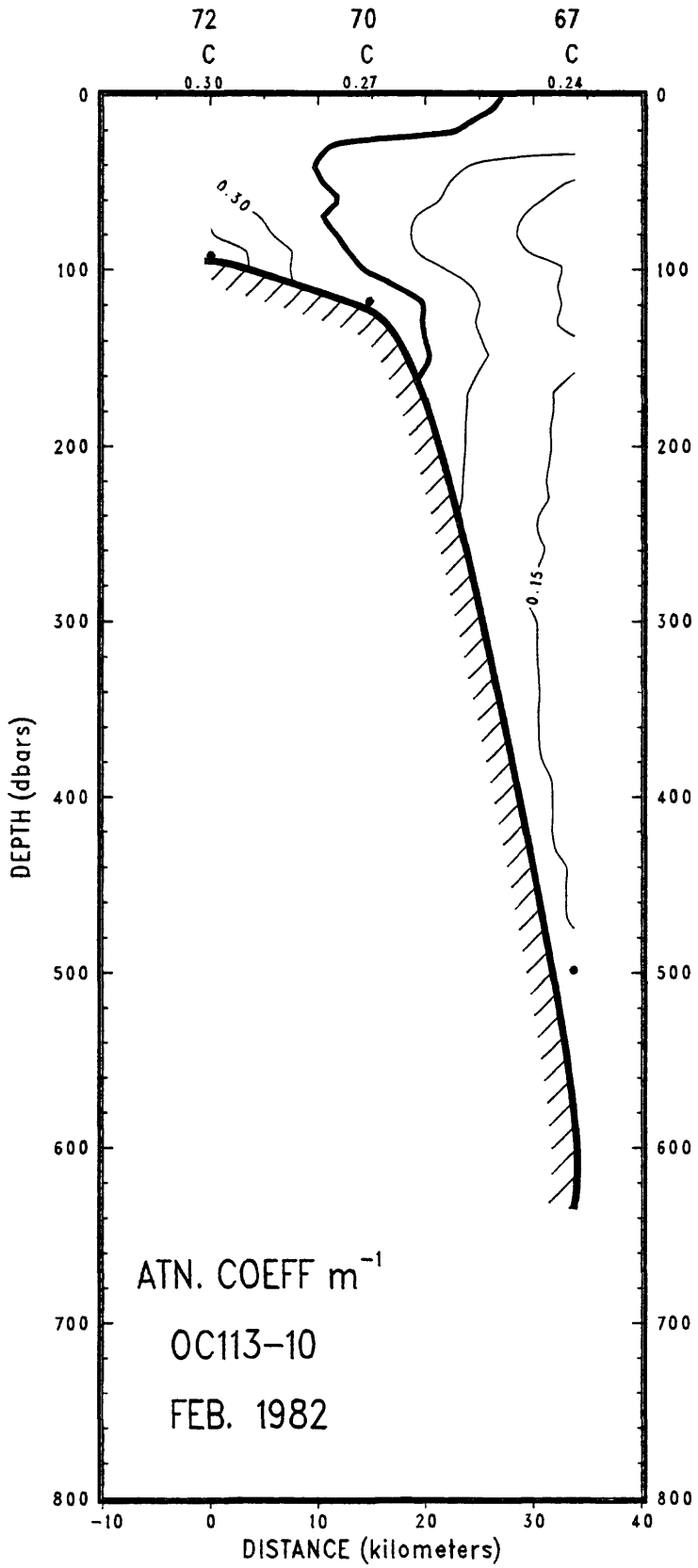

59
C
61
C
63
C
0.28
0.24
0.24
0.20
0.20
0.20
0.15
0.15
0.20
0.25
100
200
300
400
500
600
700
800
DEPTH (dbars)
0
2
4
6
DISTANCE (kilometers)
ATN. COEFF m^{-1}
OC113-9
FEB. 1982


72 71 70 69 68 67
C X C X X C
4.52 5.05 4.56 5.38 5.38 6.40
6.00
8.00
10.00
10.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
−10 0 10 20 30 40
DISTANCE (kilometers)
TEMPERATURE °C
OC113-10
FEB. 1982


72
C
32.71
70
C
32.76
67
C
33.21
33.40
34.60
34.80
35.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SALINITY psu
OC113-10
FEB. 1982
-10
0
10
20
30
40
DISTANCE (kilometers)

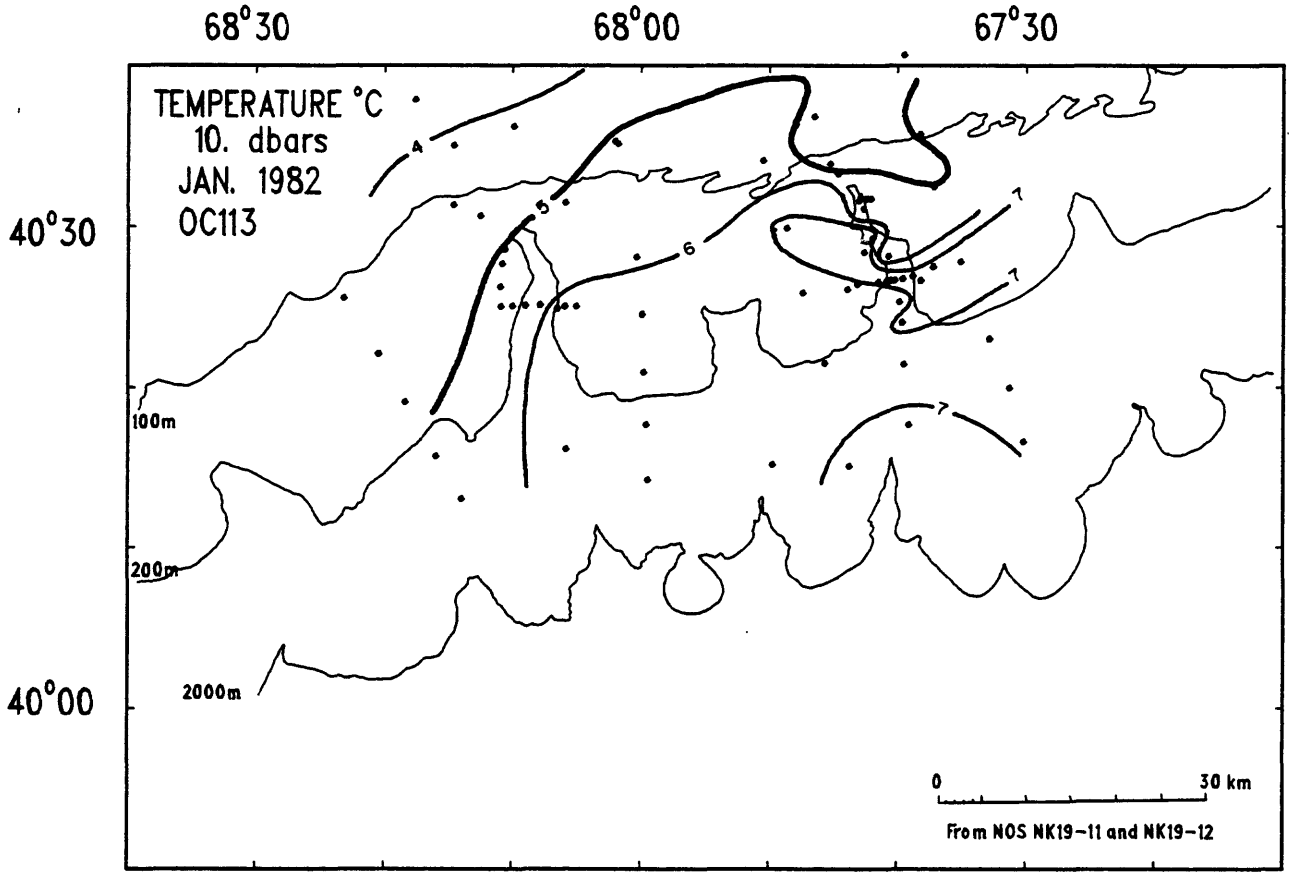

72
C
25.91
70
C
25.94
67
C
26.09
26.00
26.20
27.00
27.20
SIGMA-t
OC113-10
FEB. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-10
0
10
20
30
40

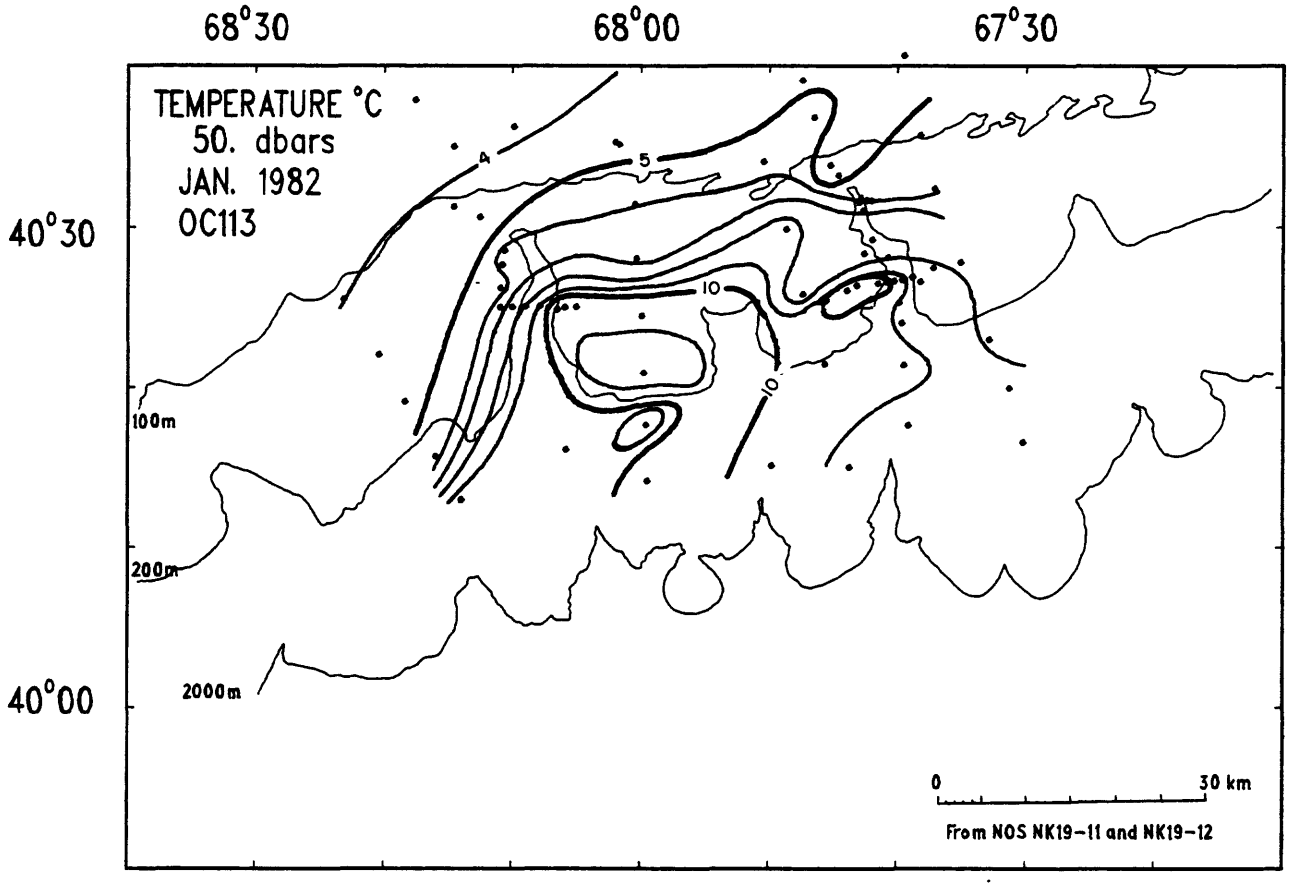

72
C
7.28
70
C
7.24
67
C
6.61
7.00
6.80
6.60
6.20
5.80
5.40
5.20
4.80
4.60
5.20
OXYGEN ml/l
OC113-10
FEB. 1982
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-10
0
10
20
30
40

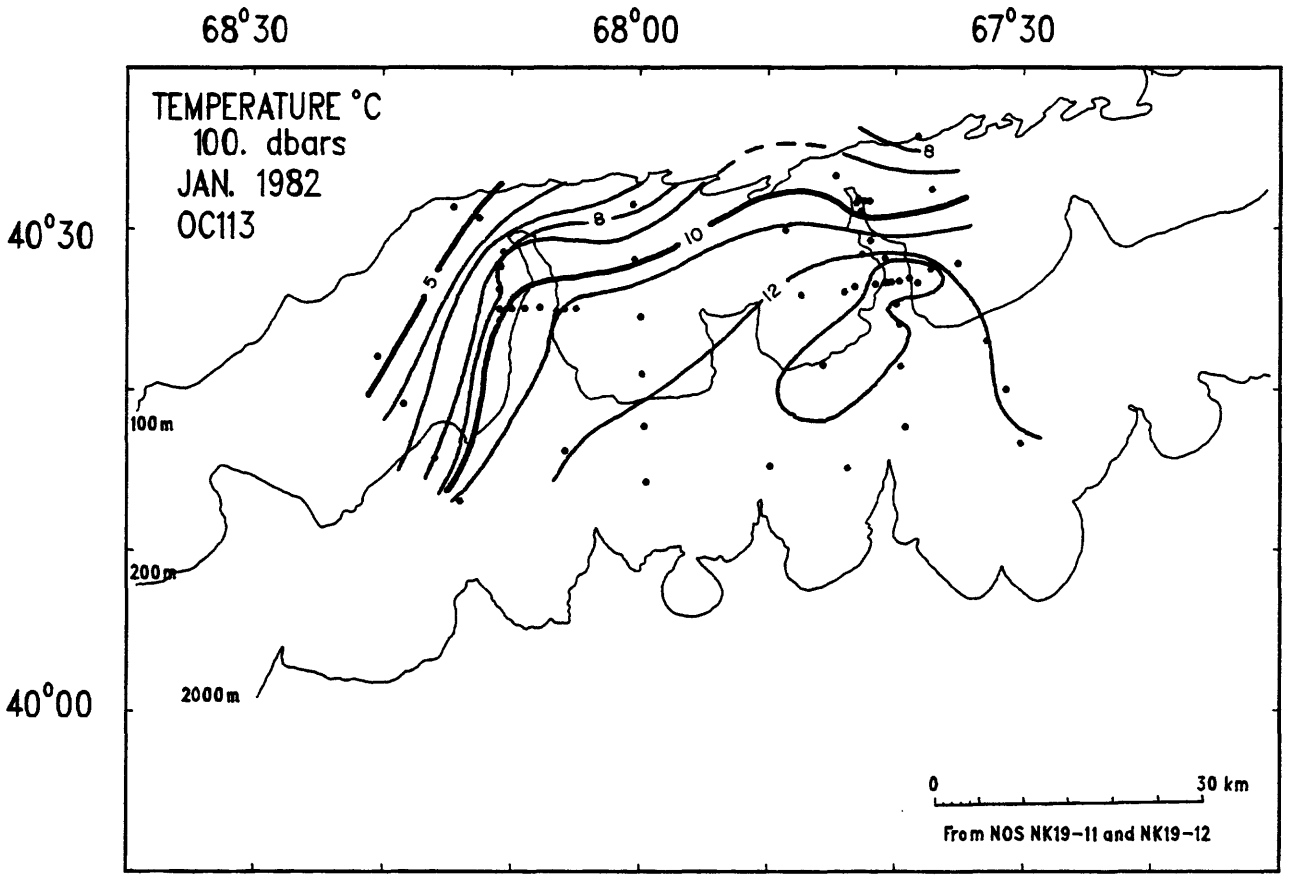

72
C
0.30
70
C
0.27
67
C
0.24
0.30
0.15
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
ATN. COEFF m^{-1}
OC113-10
FEB. 1982
-10
0
10
20
30
40
DISTANCE (kilometers)

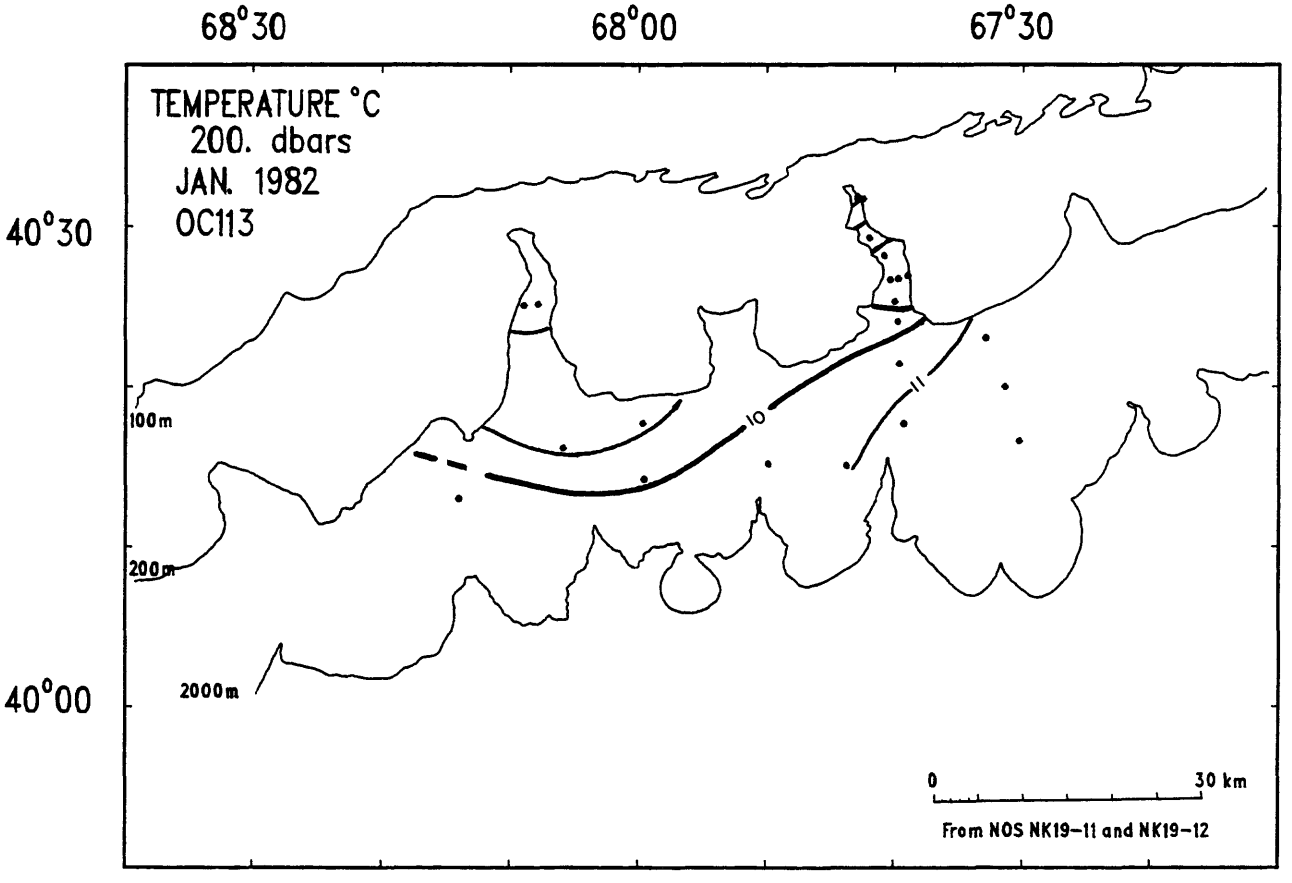
Horizontal sections

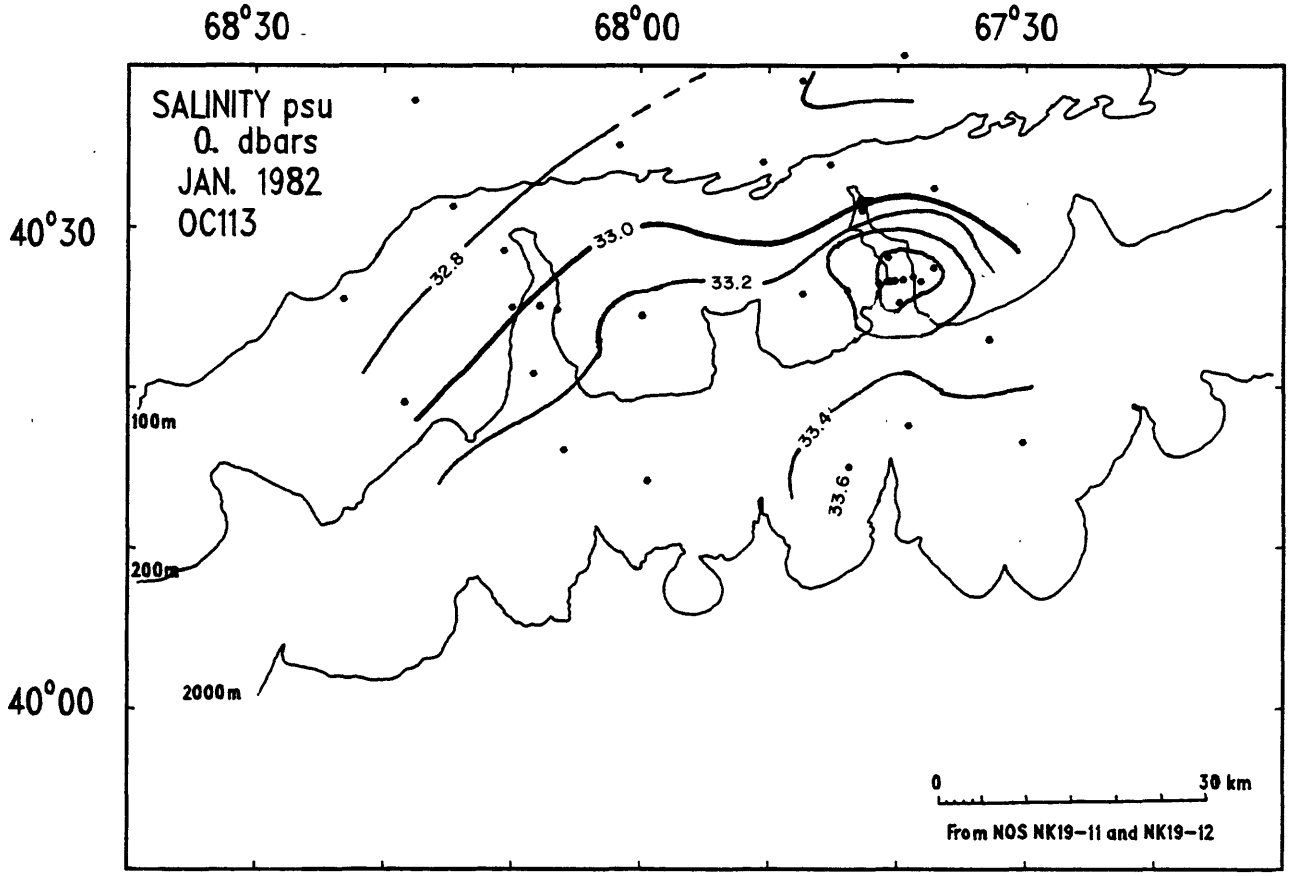
Horizontal sections were constructed on the 10-, 50-, 100-, and 200-dbar pressure surfaces for temperature, salinity, density and oxygen. Dots indicate the location of stations that were used in contouring the section and all sections were contoured by hand due to the sparse data. Figures 14 to 18 encompass Oceanographer, Gilbert and Lydonia Canyons and figures 19 to 39 show an enlargement of the area around just Lydonia Canyon.

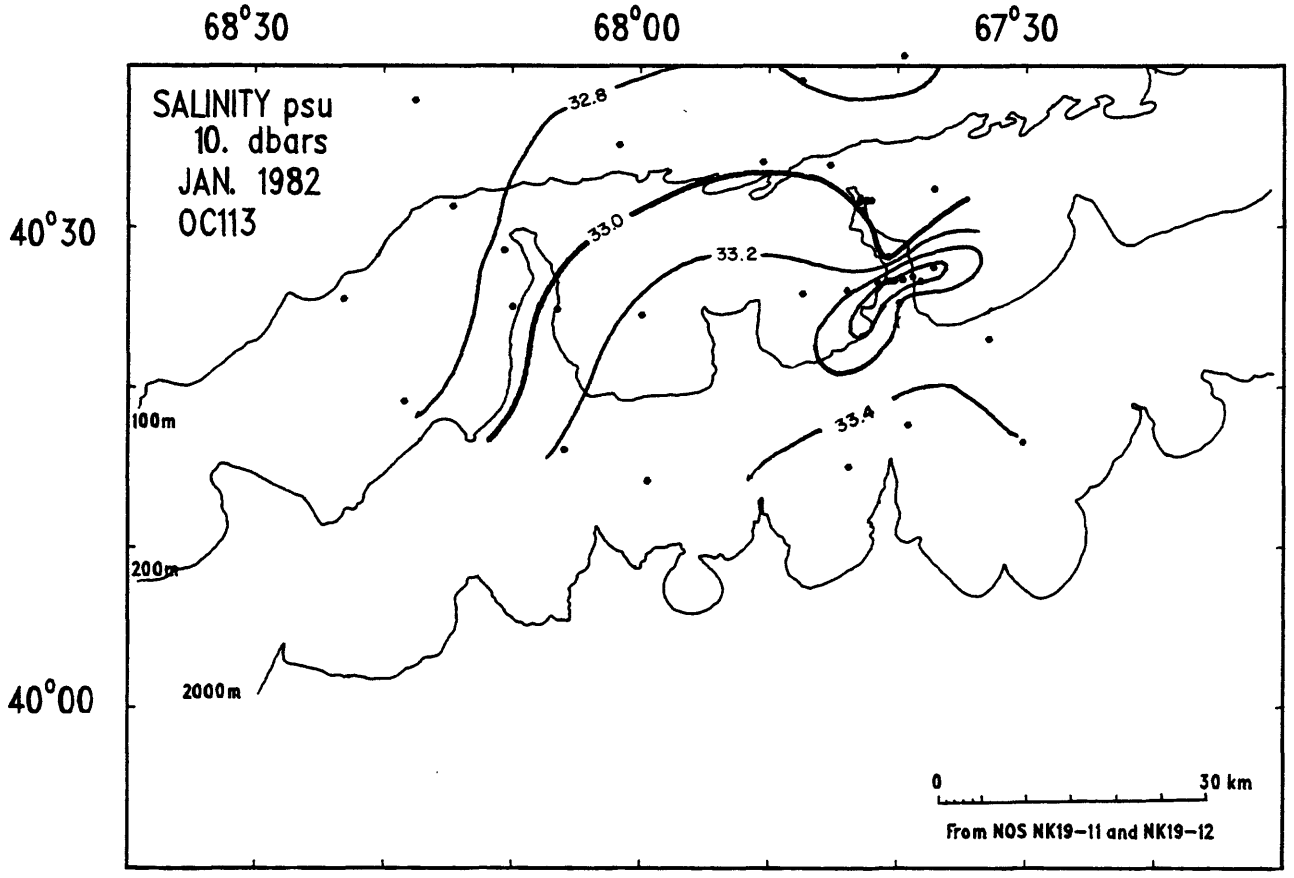

68°30
68°00
67°30
TEMPERATURE °C
10. dbars
JAN. 1982
OC113
40°30
40°00
100m
200m
2000m
4
5
6
7
7
7
0
30 km
From NOS NK19-11 and NK19-12

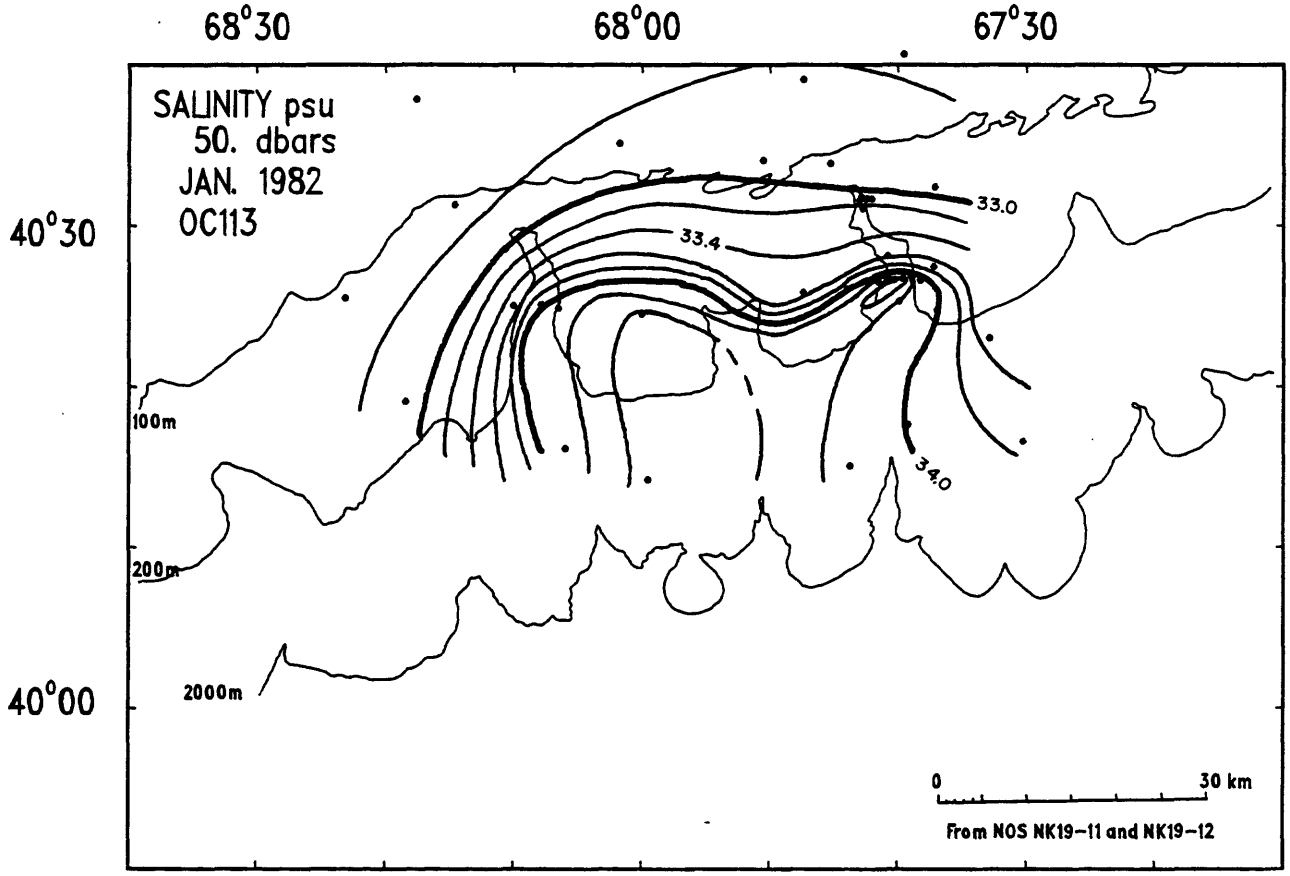

68°30
68°00
67°30
TEMPERATURE °C
50. dbars
JAN. 1982
OC113
40°30
40°00
100m
200m
2000m
4
5
10
10
0
30 km
From NOS NK19-11 and NK19-12

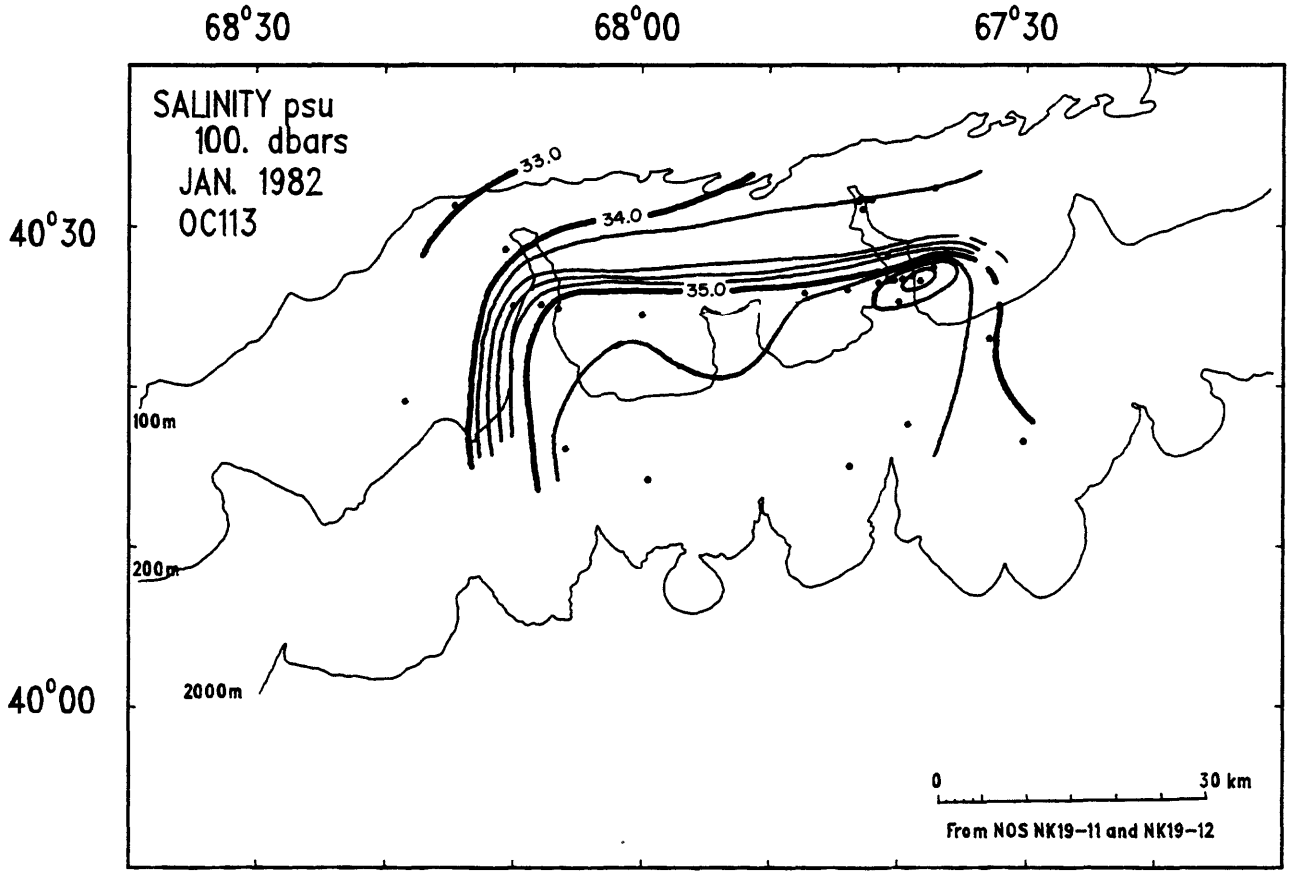

68°30
68°00
67°30
TEMPERATURE °C
100. dbars
JAN. 1982
OC113
40°30
40°00
5
8
10
12
8
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

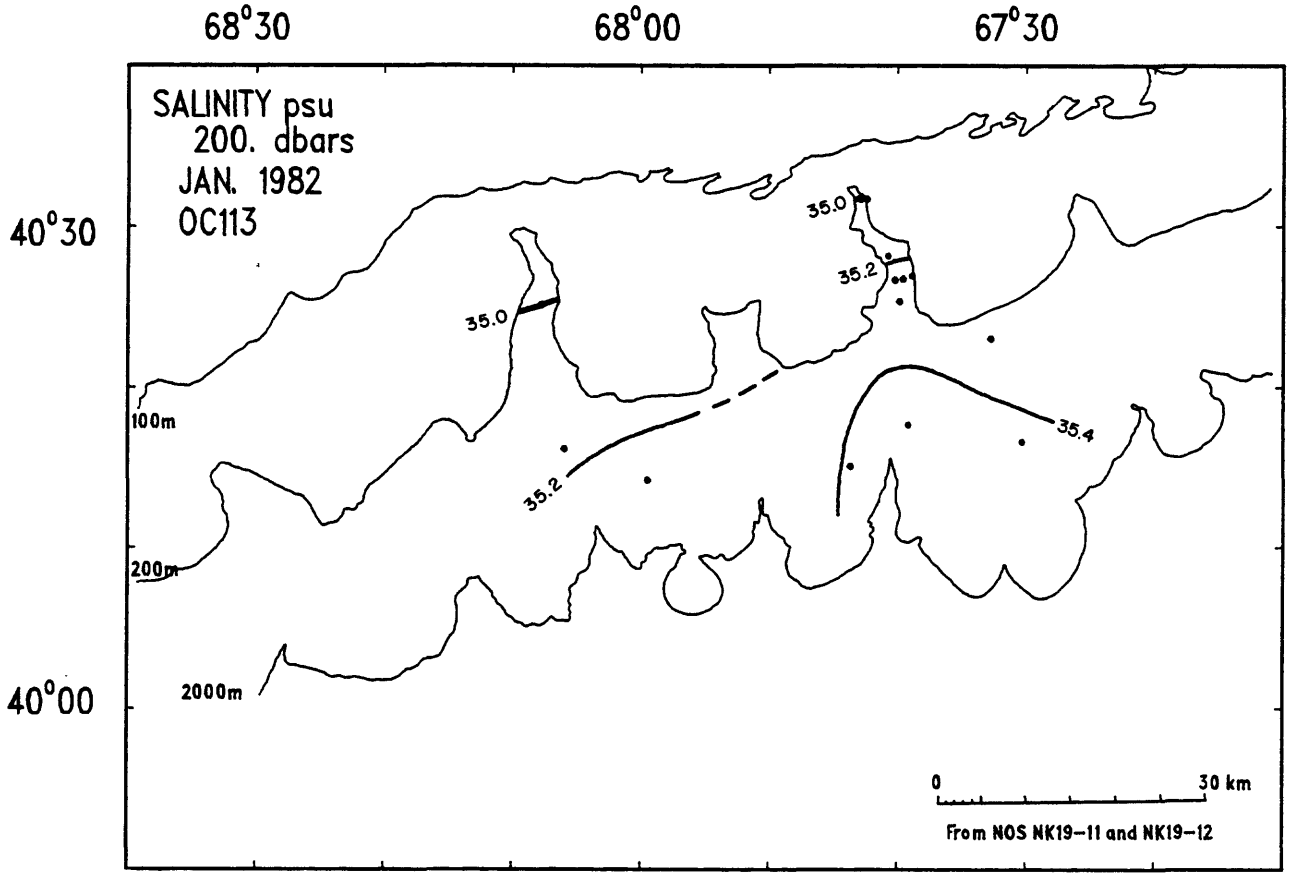

68°30
68°00
67°30
TEMPERATURE °C
200. dbars
JAN. 1982
OC113
40°30
40°00
10
11
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

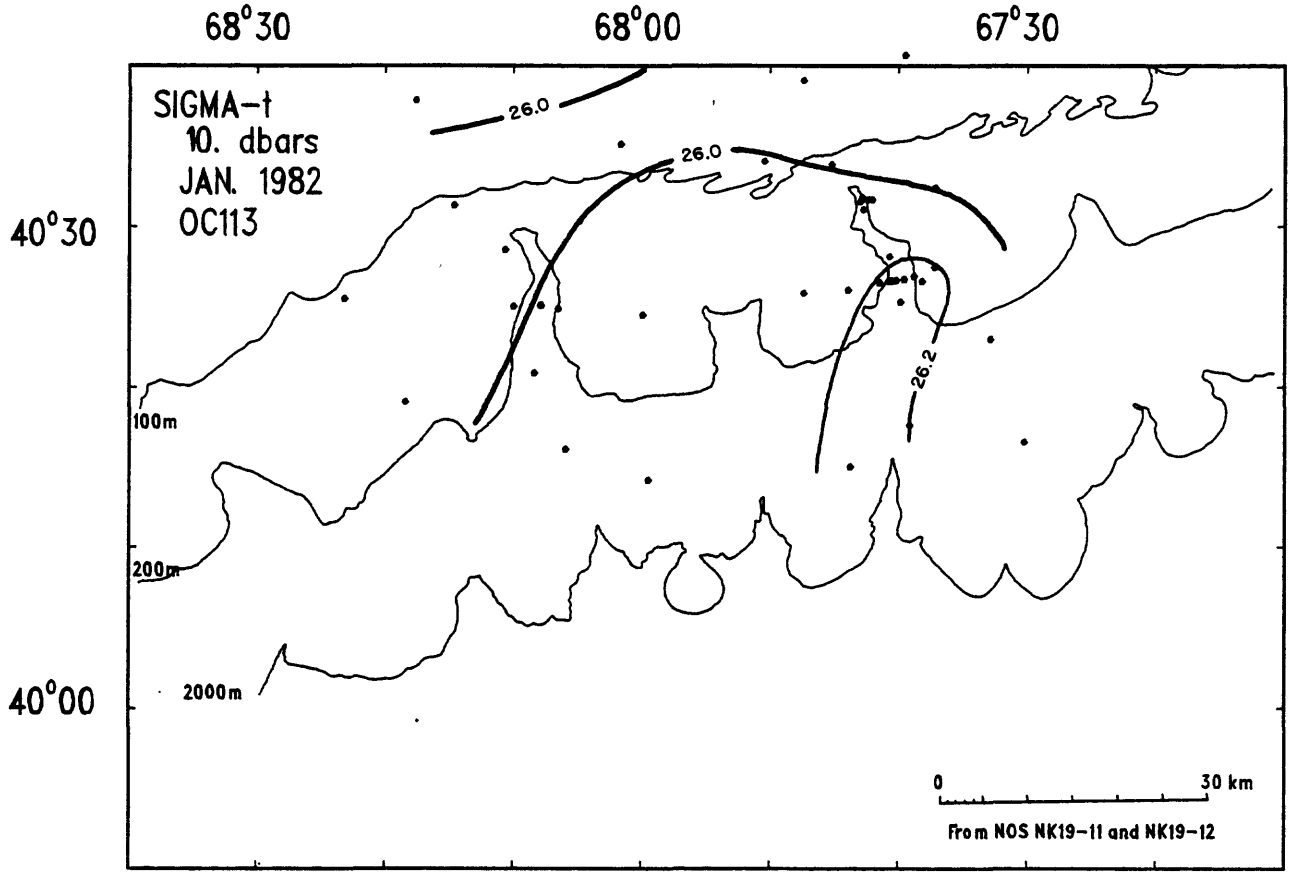

68°30
68°00
67°30
SALINITY psu
0. dbars
JAN. 1982
OC113
40°30
40°00
32.8
33.0
33.2
33.4
33.6
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

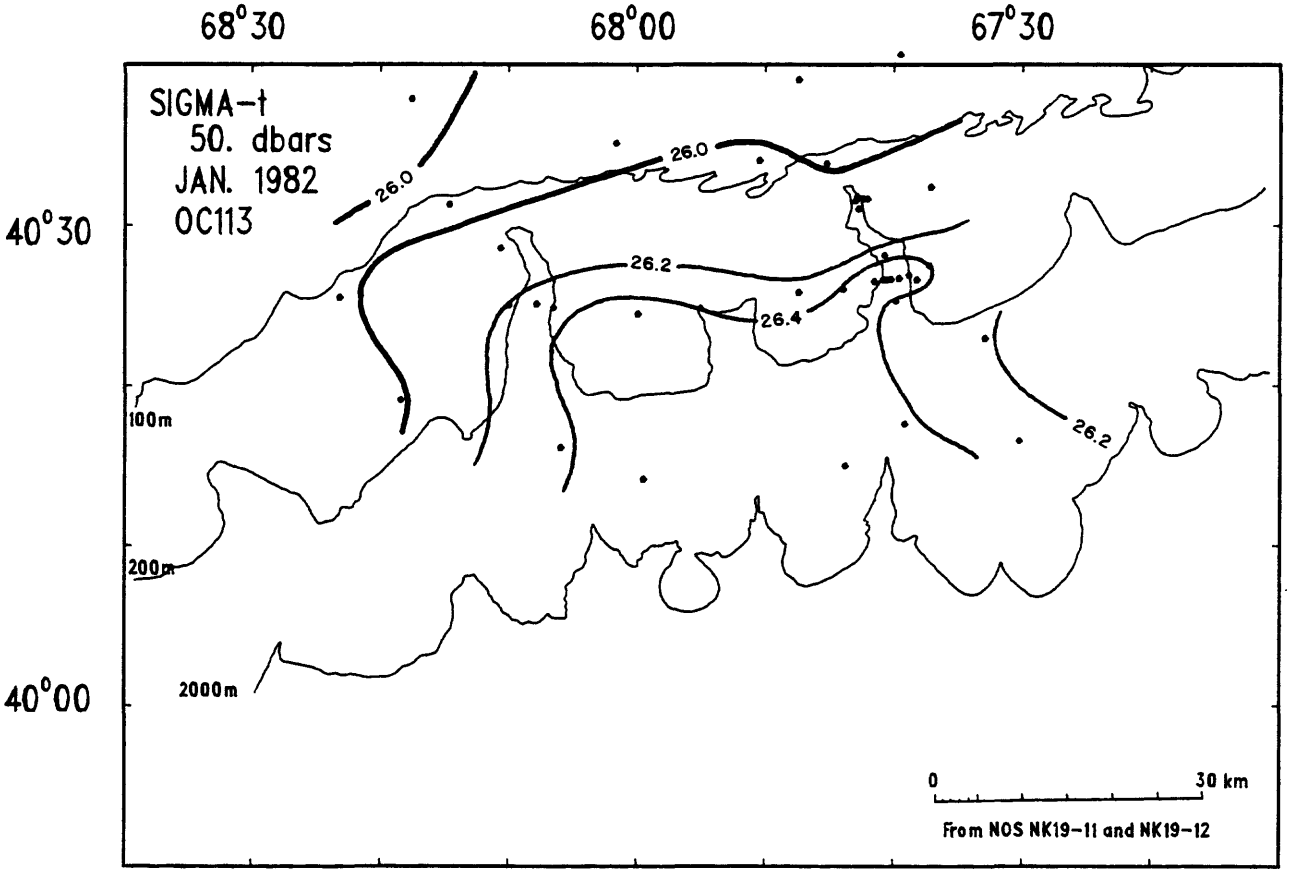

68°30
68°00
67°30
SALINITY psu
10. dbars
JAN. 1982
OC113
40°30
40°00
32.8
33.0
33.2
33.4
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

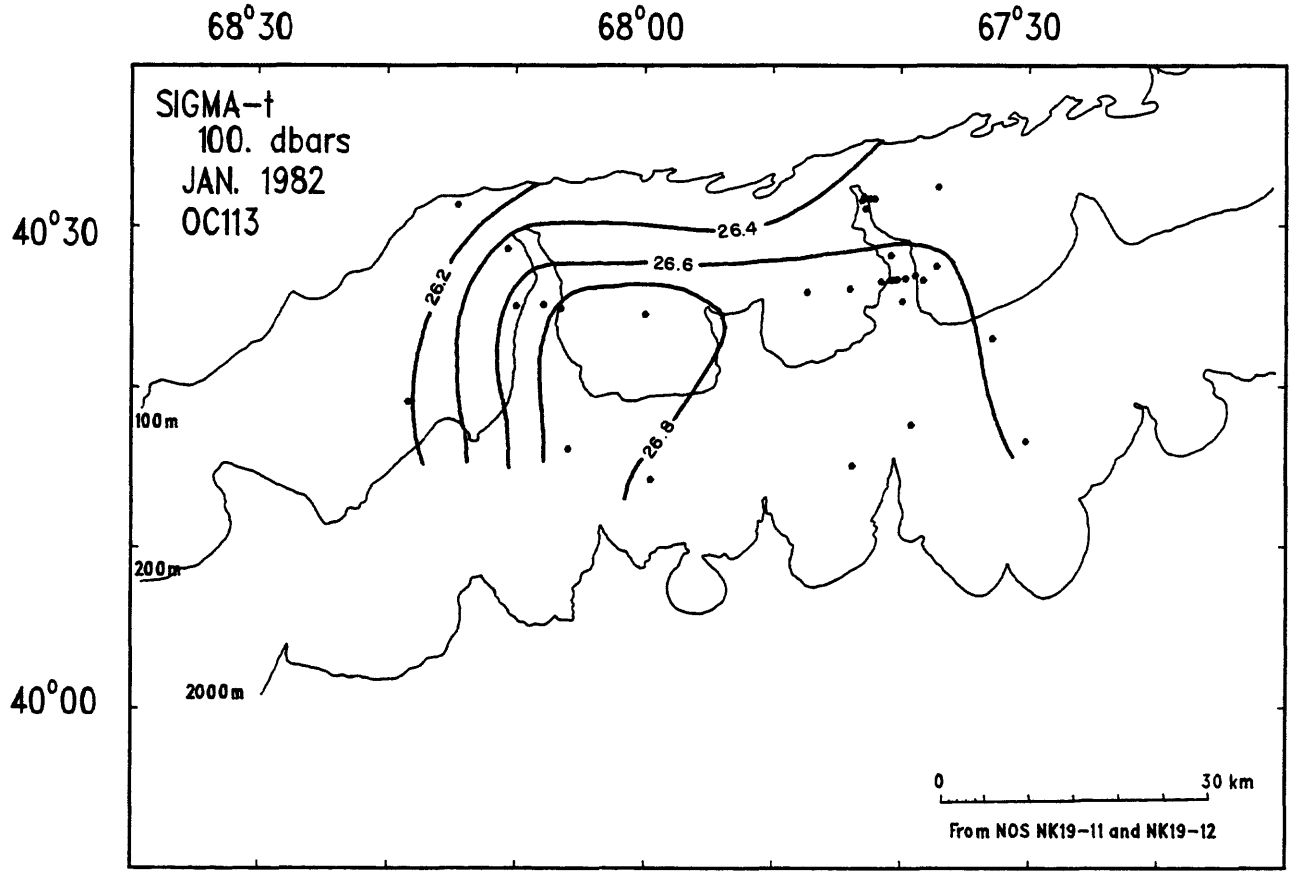

68°30
68°00
67°30
SALINITY psu
50. dbars
JAN. 1982
OC113
40°30
40°00
33.0
33.4
34.0
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

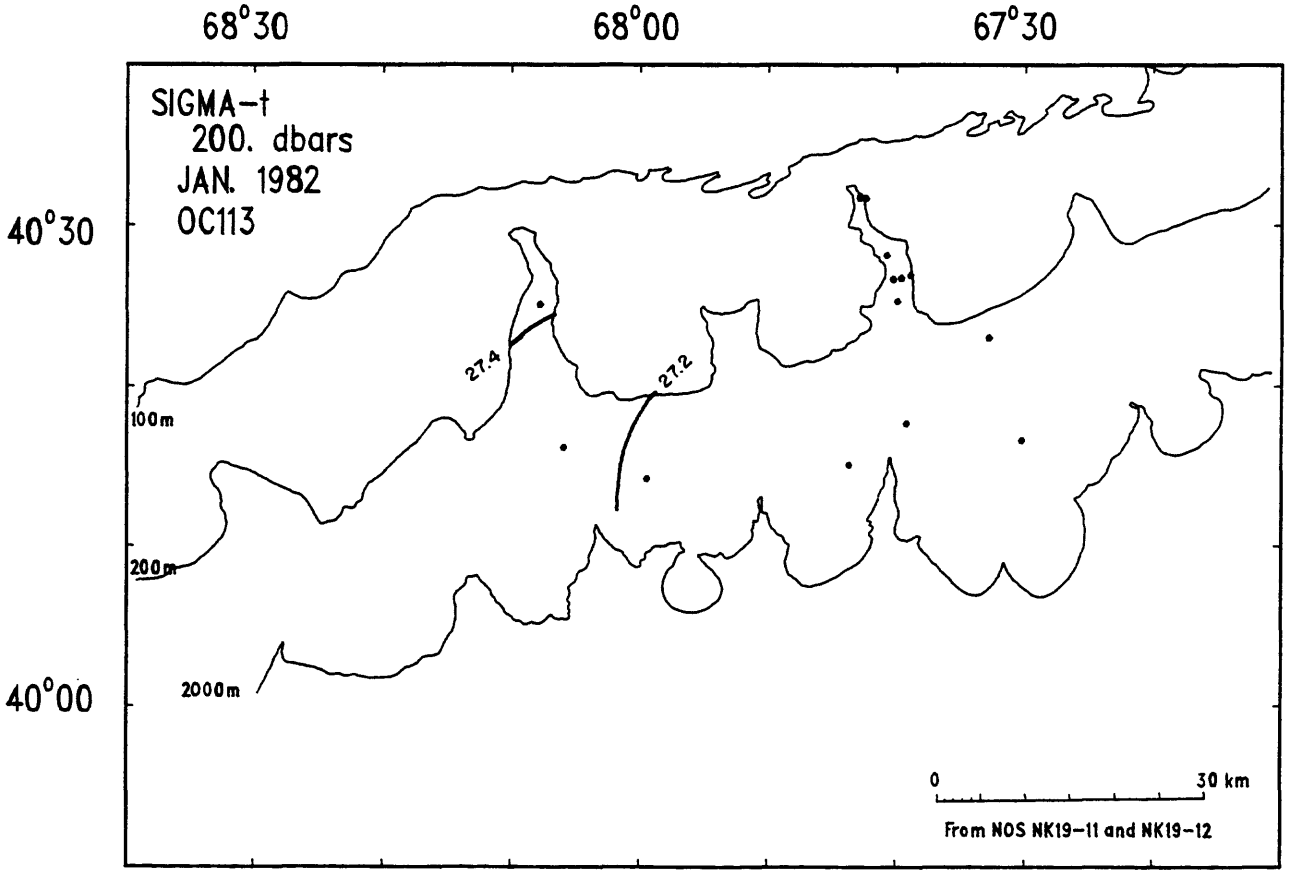

68°30
68°00
67°30
SALINITY psu
100. dbars
JAN. 1982
OC113
40°30
40°00
33.0
34.0
35.0
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

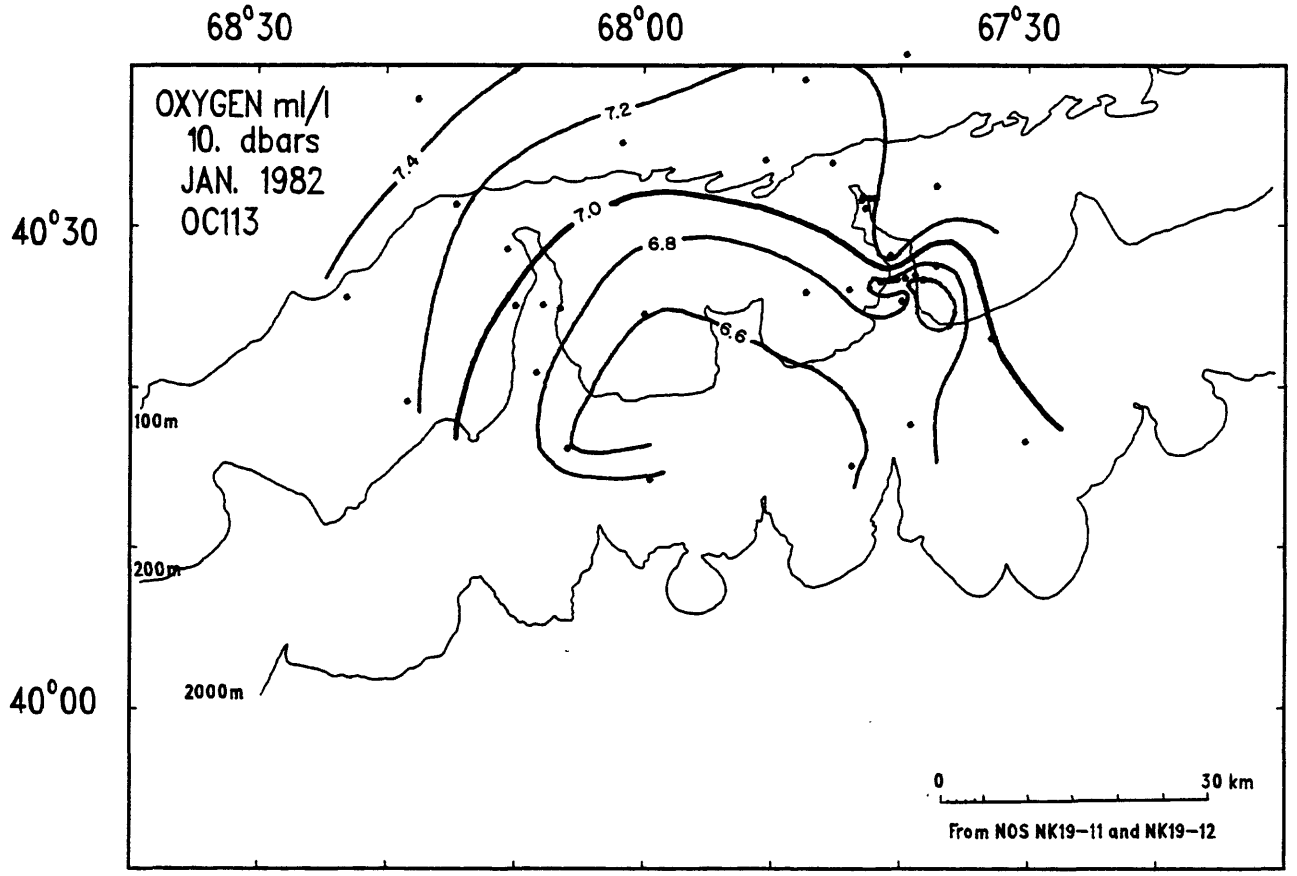

68°30
68°00
67°30
40°30
40°00
SALINITY psu
200. dbars
JAN. 1982
OC113
35.0
35.2
35.0
35.2
35.4
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

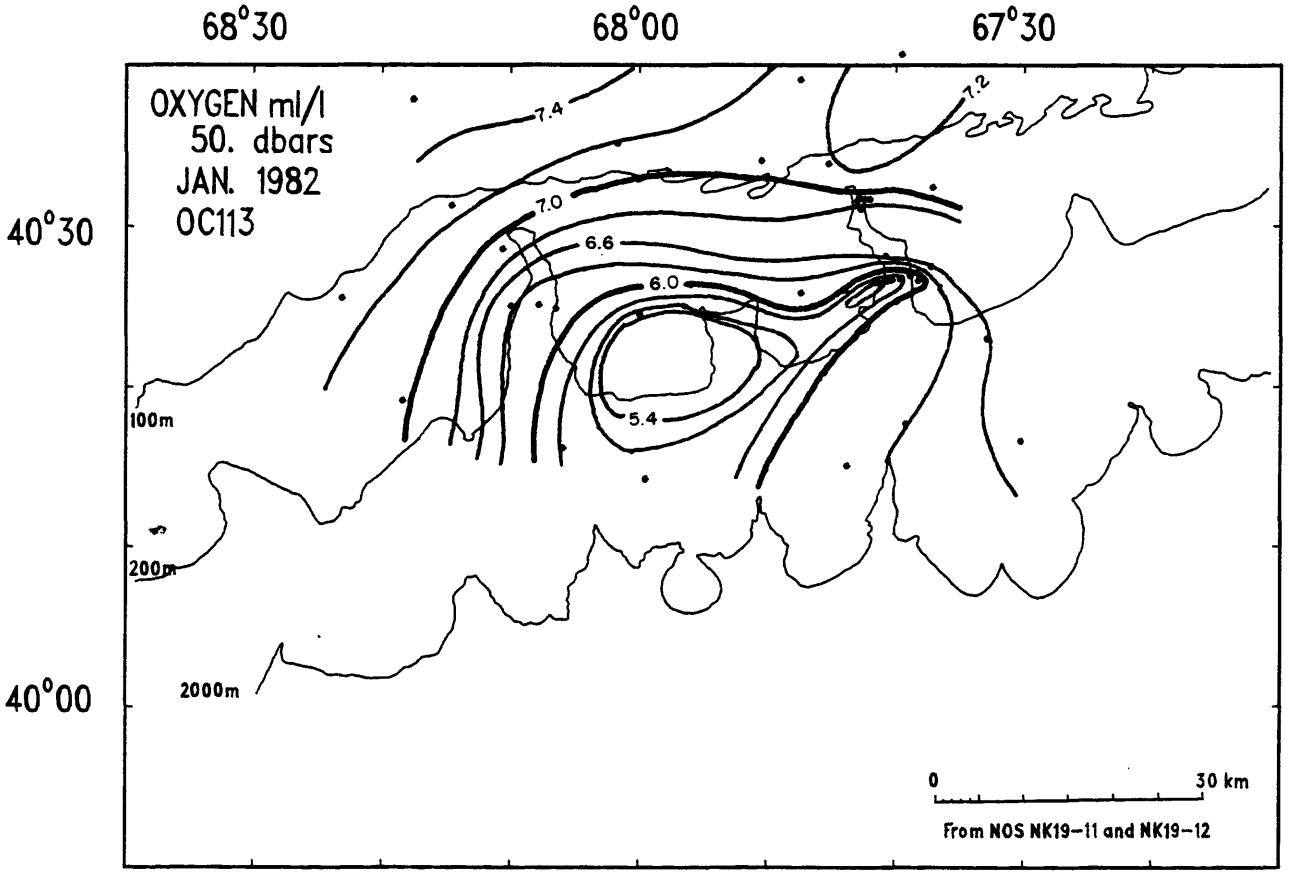

68°30
68°00
67°30
40°30
40°00
SIGMA-t
10. dbars
JAN. 1982
OC113
26.0
26.0
26.2
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

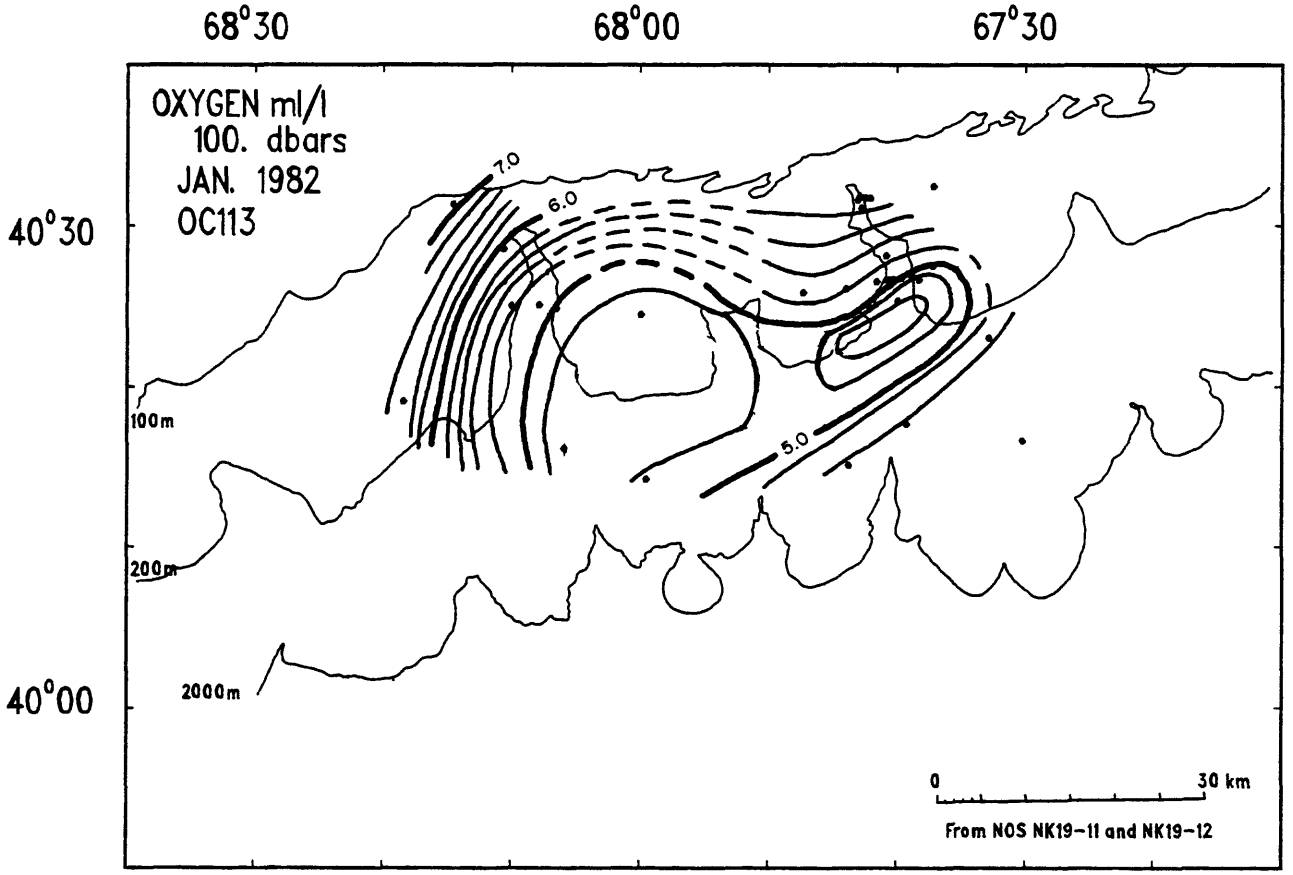

68°30
68°00
67°30
40°30
40°00
SIGMA-t
50. dbars
JAN. 1982
OC113
26.0
26.0
26.2
26.4
26.2
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

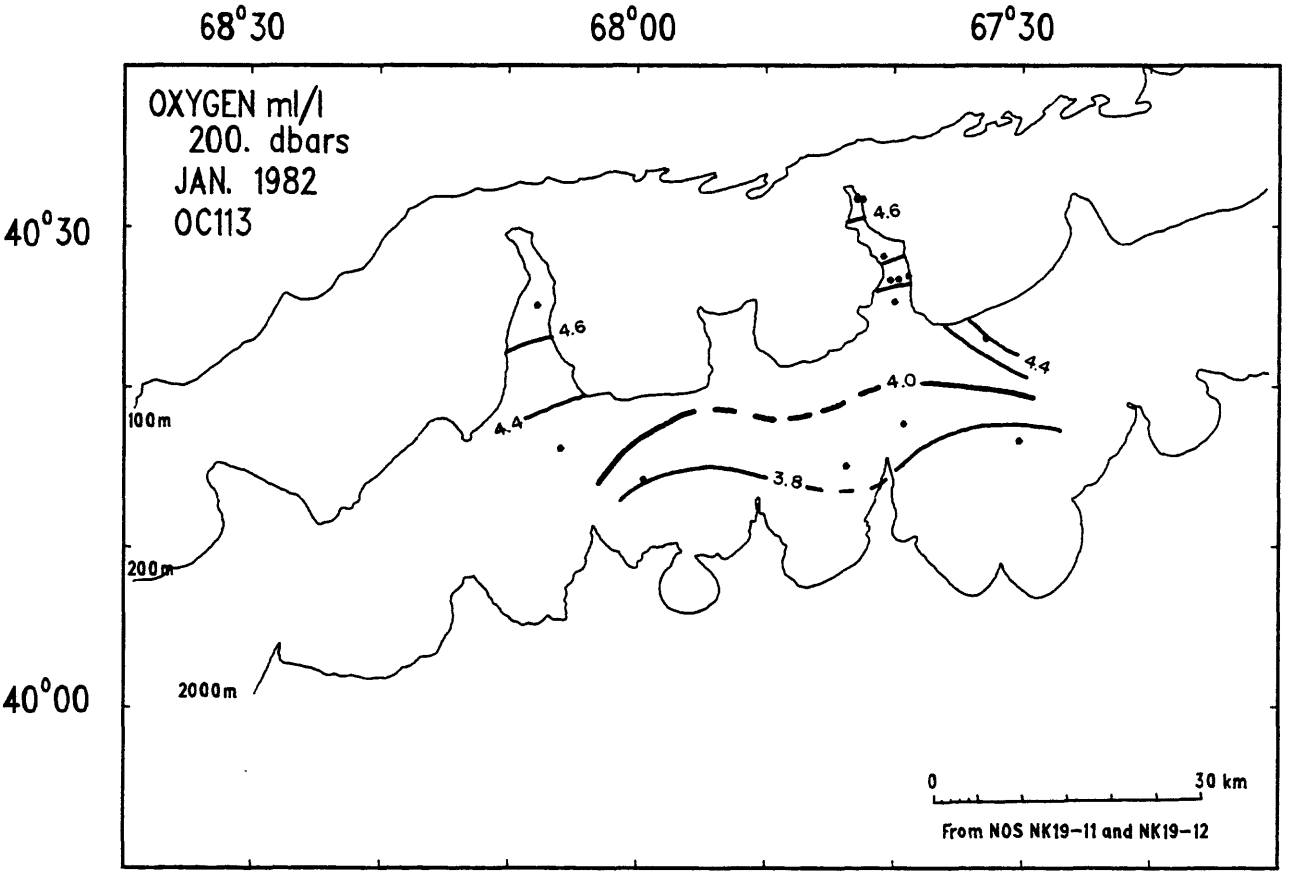

68°30
68°00
67°30
40°30
40°00
SIGMA-t
100. dbars
JAN. 1982
OC113
26.2
26.4
26.6
26.8
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

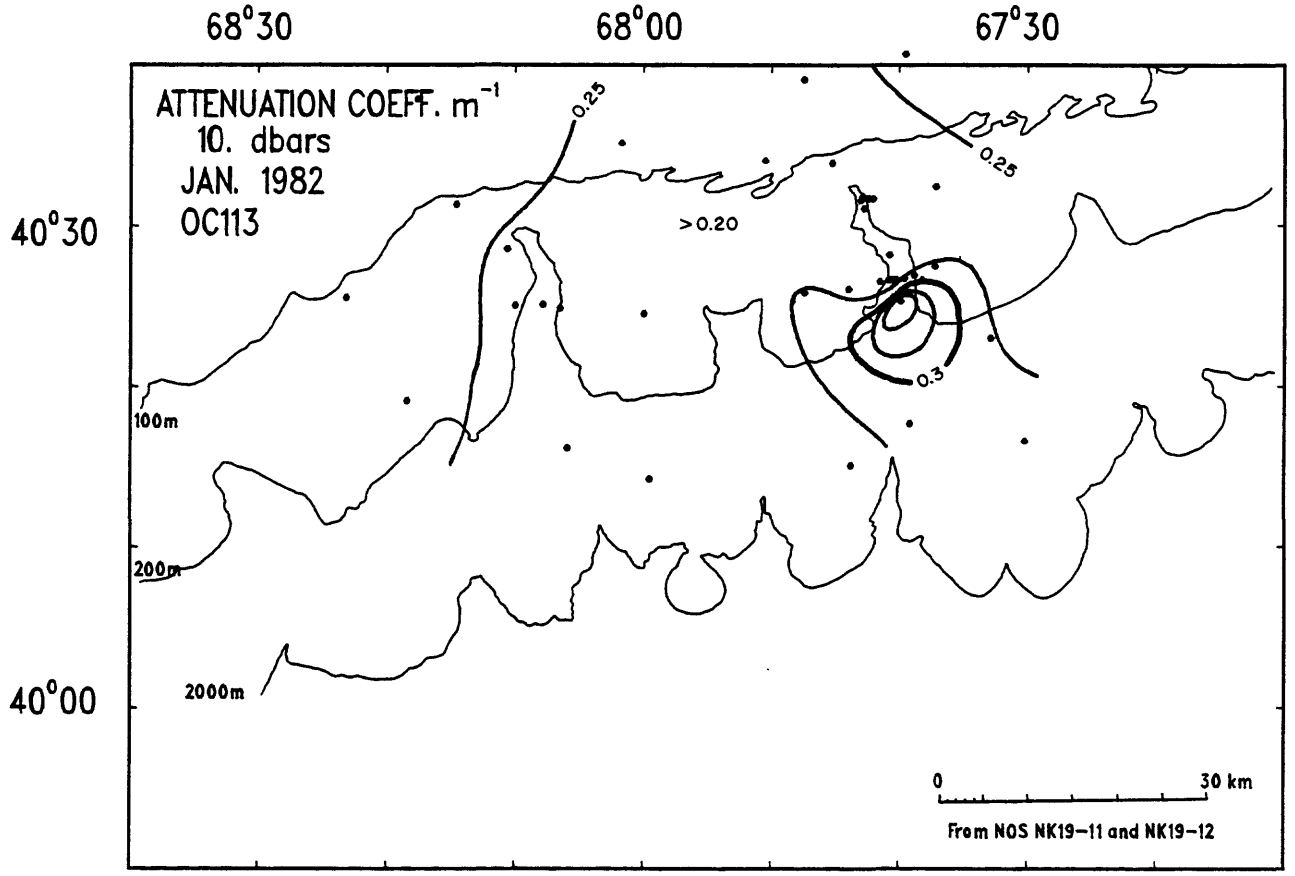

68°30
68°00
67°30
40°30
40°00
SIGMA-t
200. dbars
JAN. 1982
OC113
27.4
27.2
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

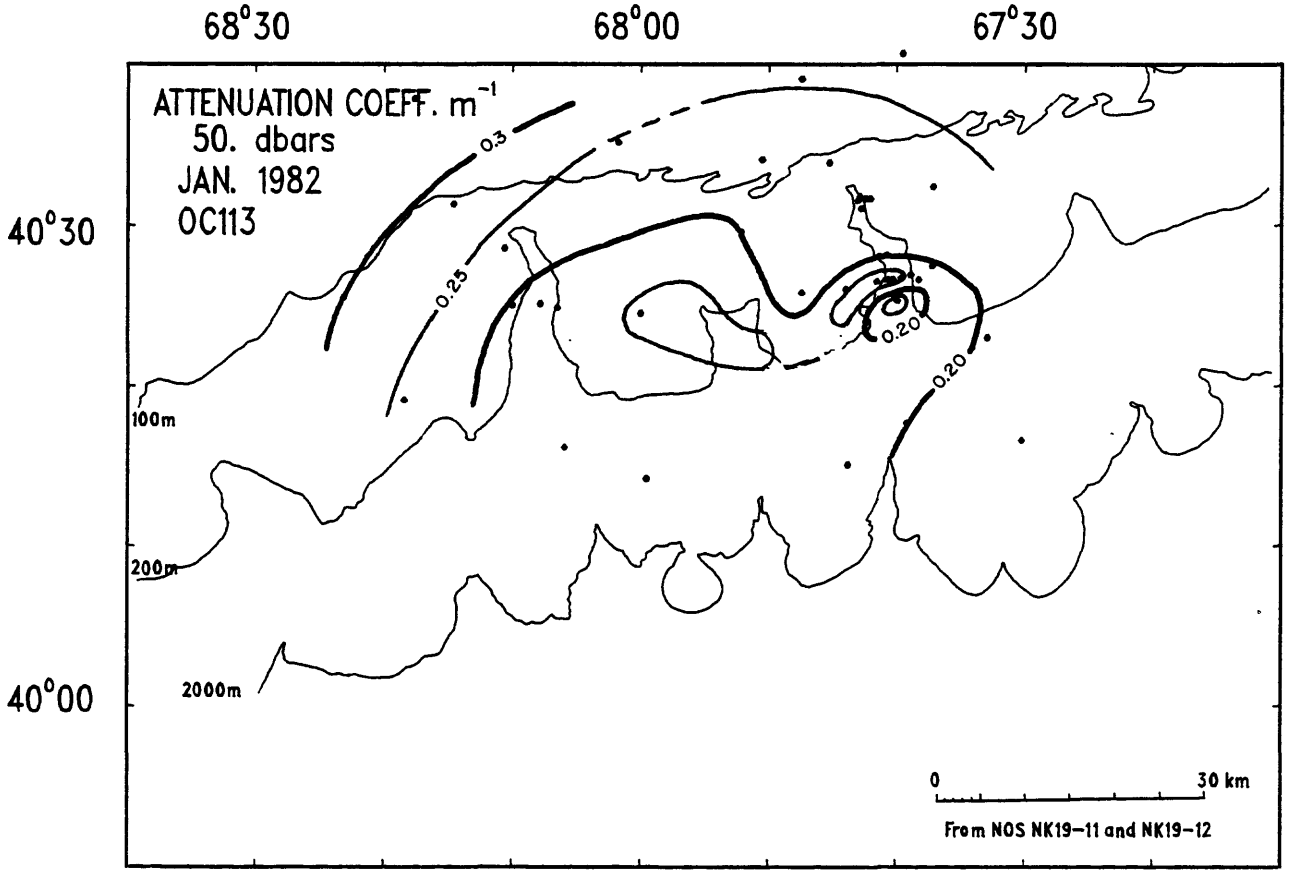

68°30
68°00
67°30
OXYGEN ml/l
10. dbars
JAN. 1982
OC113
40°30
40°00
7.4
7.2
7.0
6.8
6.6
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

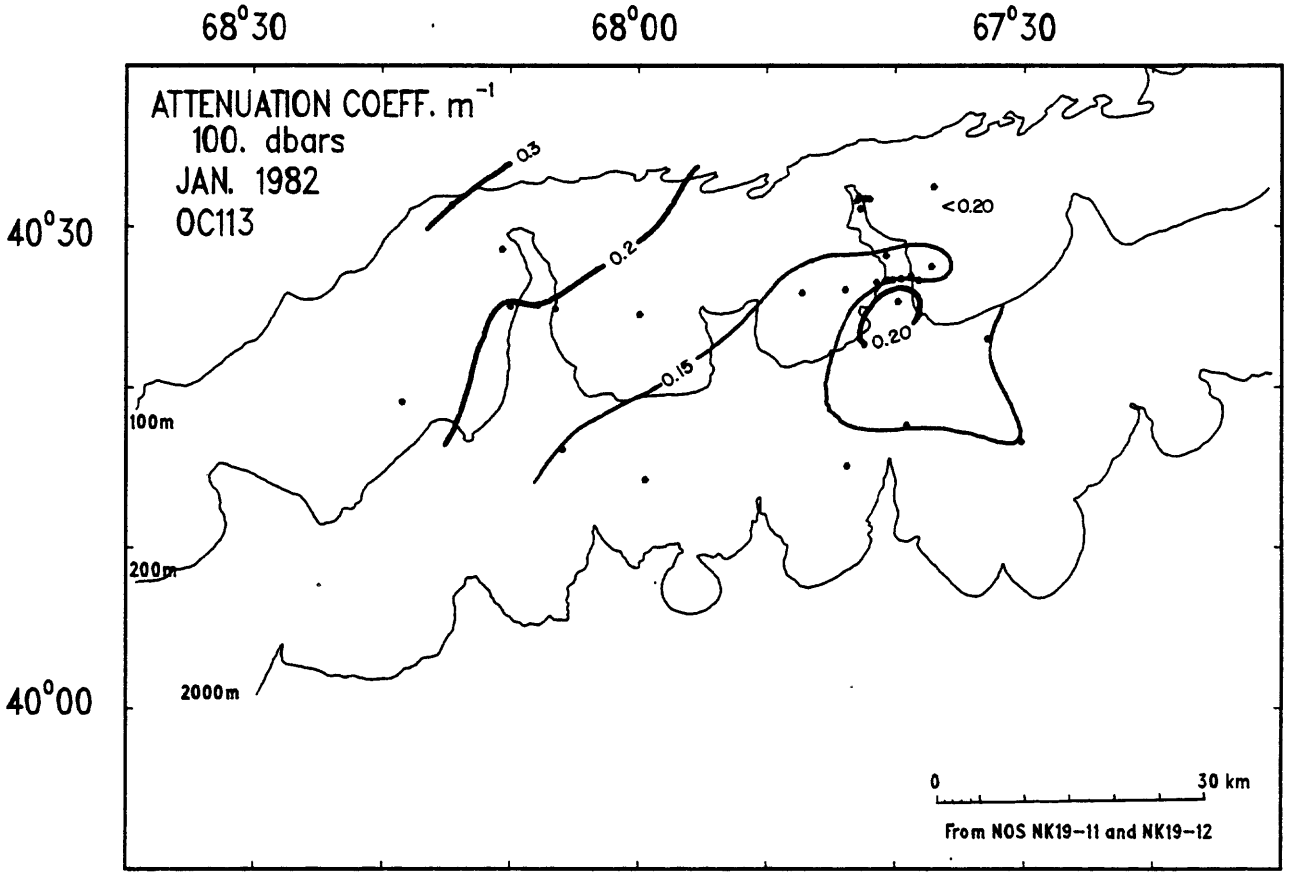

68°30
68°00
67°30
OXYGEN ml/l
50. dbars
JAN. 1982
OC113
40°30
40°00
7.4
7.2
7.0
6.6
6.0
5.4
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

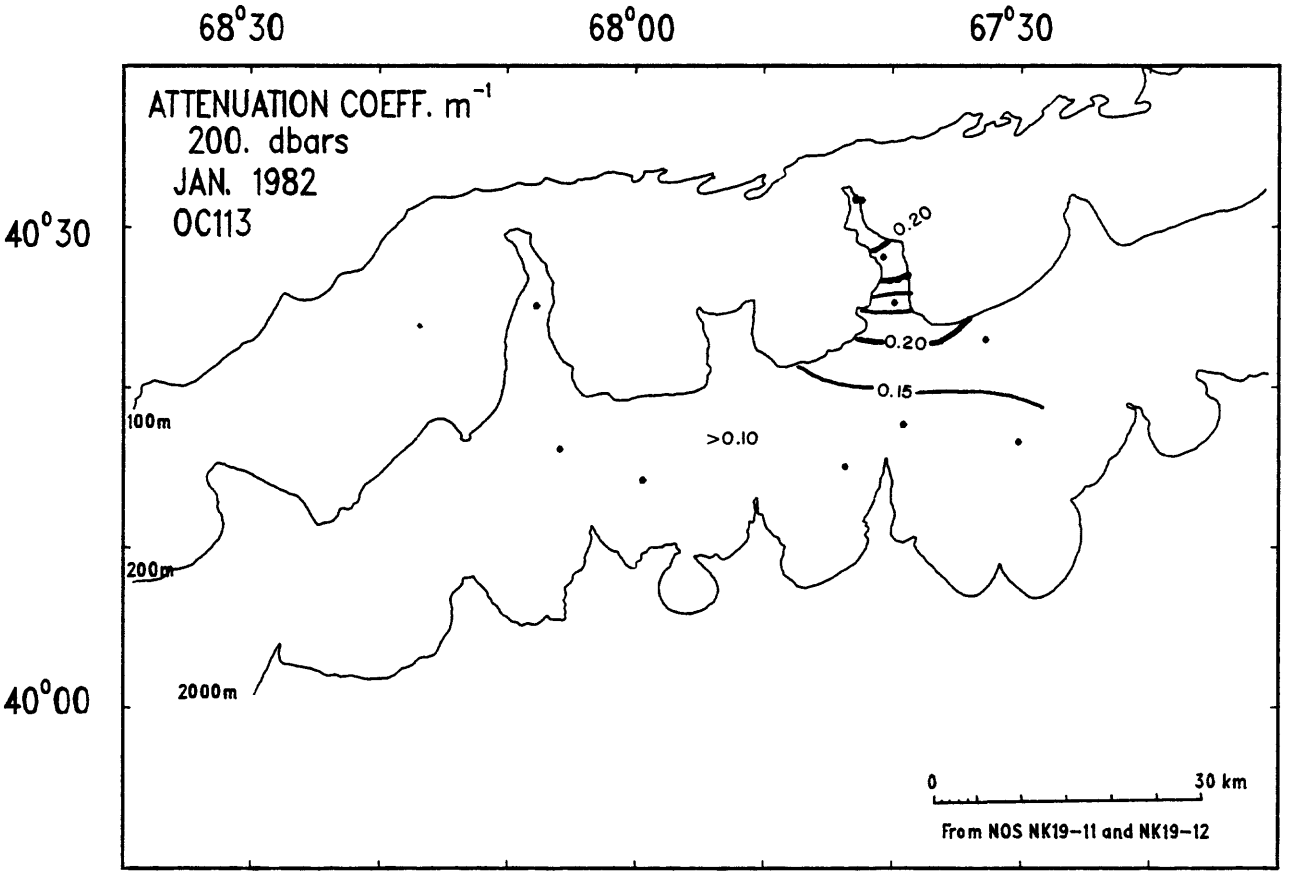

68°30
68°00
67°30
OXYGEN ml/l
100. dbars
JAN. 1982
OC113
40°30
40°00
7.0
6.0
5.0
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

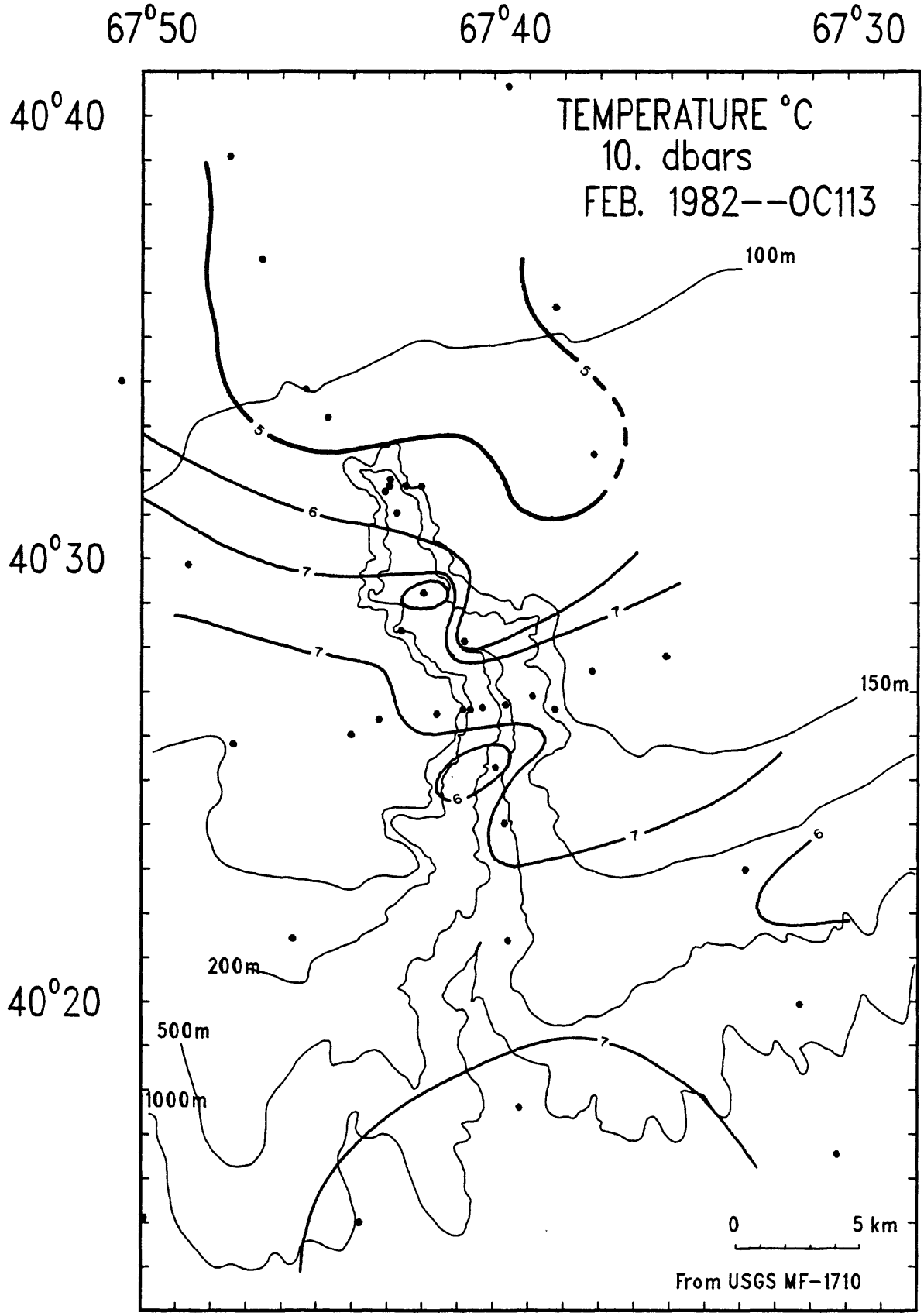

68°30
68°00
67°30
OXYGEN ml/l
200. dbars
JAN. 1982
OC113
40°30
40°00
4.6
4.6
4.4
4.0
4.4
3.8
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

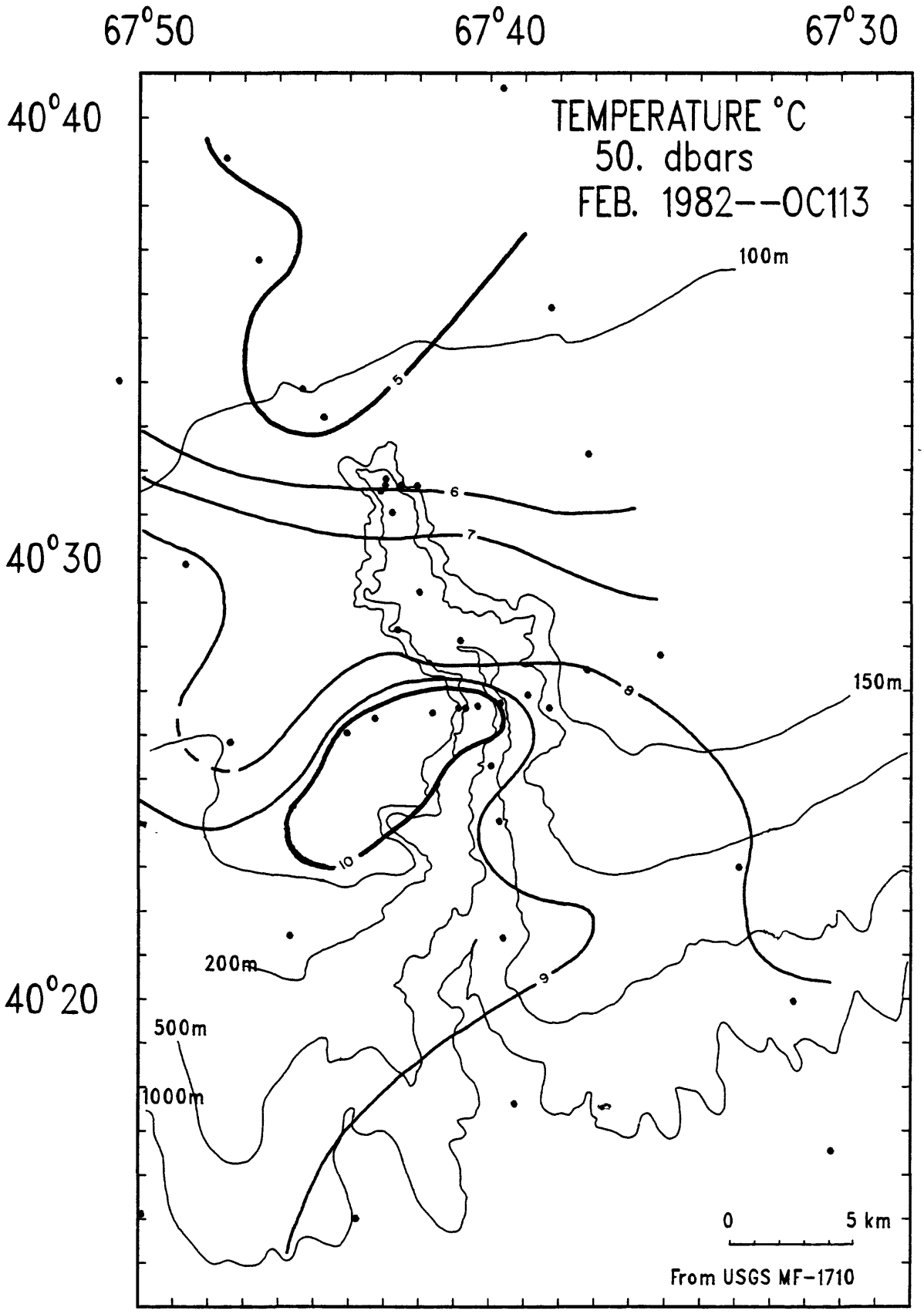

68°30
68°00
67°30
ATTENUATION COEFF. m⁻¹
10. dbars
JAN. 1982
OC113
40°30
40°00
0.25
0.25
>0.20
0.3
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

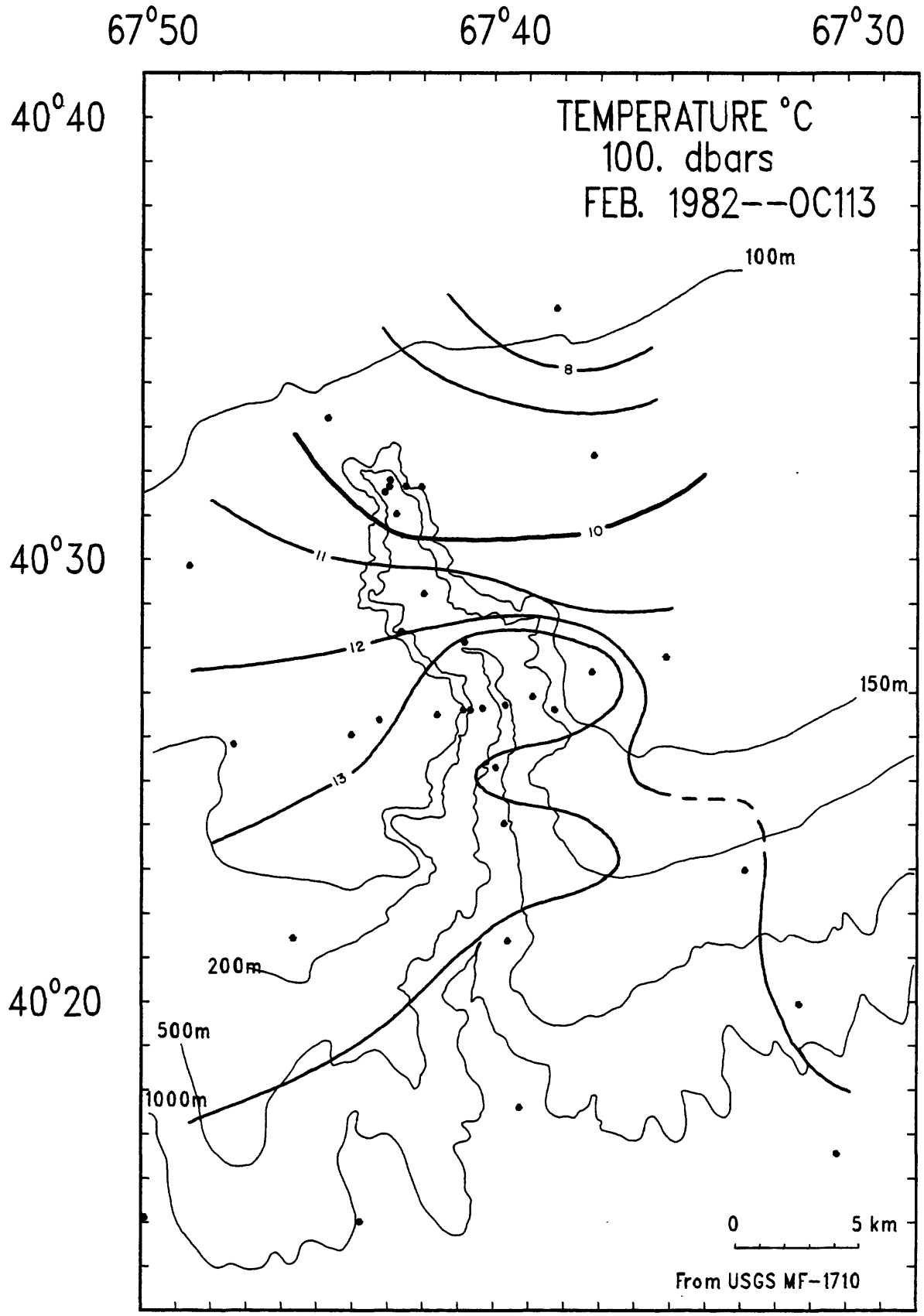

68°30
68°00
67°30
ATTENUATION COEFF. m⁻¹
50. dbars
JAN. 1982
OC113
40°30
40°00
0.3
0.25
0.20
0.20
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

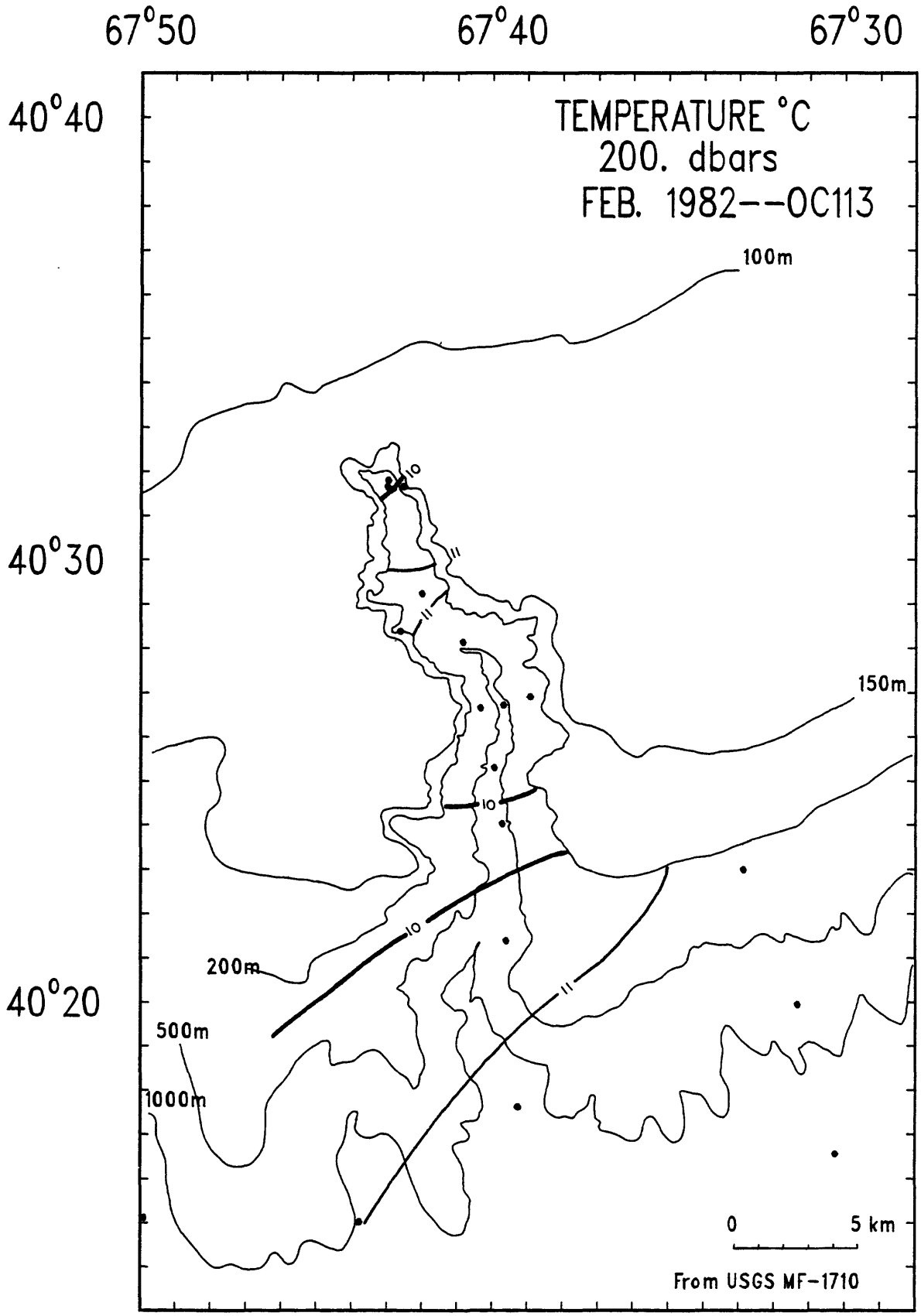

68°30
68°00
67°30
ATTENUATION COEFF. m⁻¹
100. dbars
JAN. 1982
OC113
40°30
40°00
0.3
0.2
0.15
<0.20
0.20
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

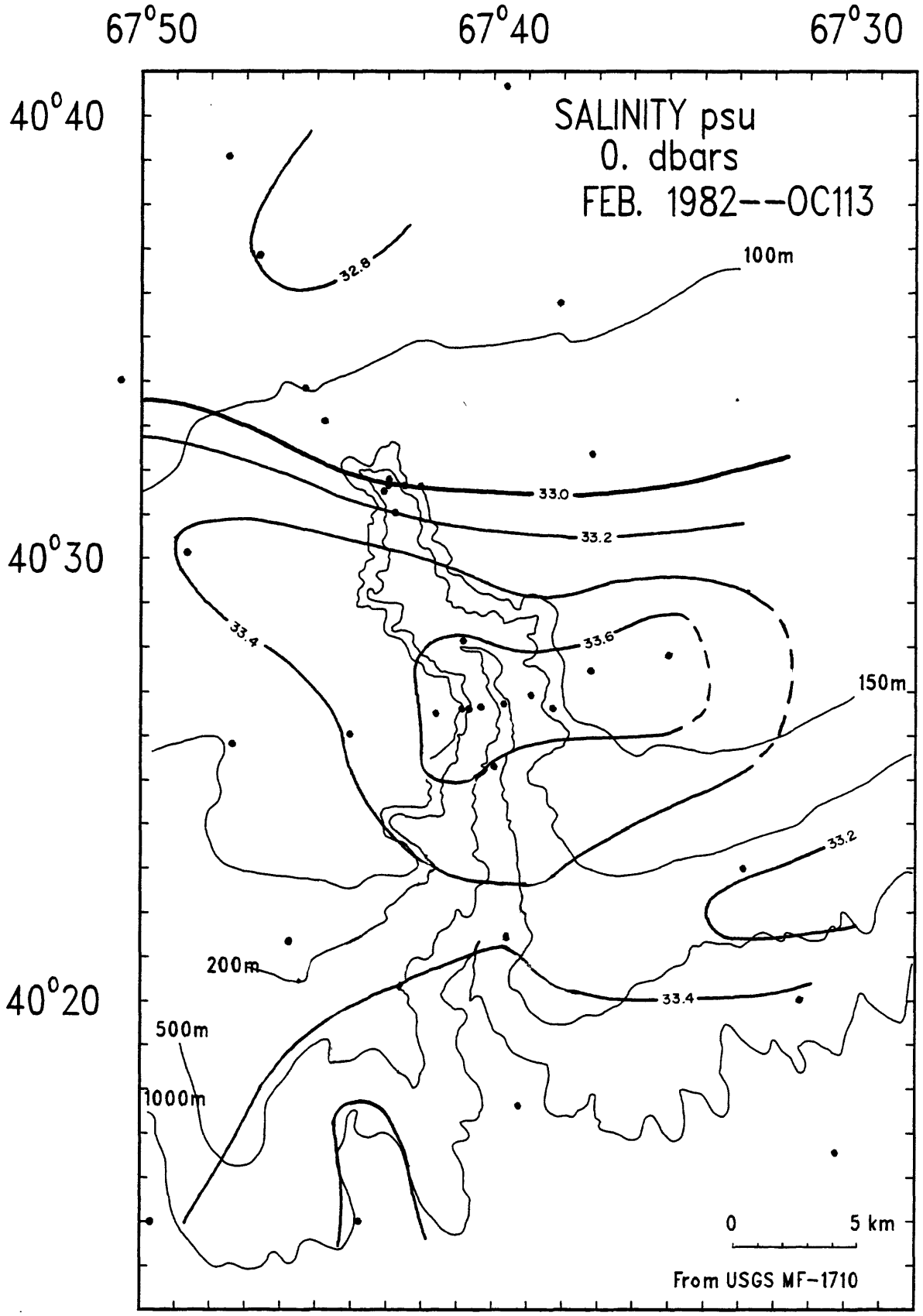

68°30
68°00
67°30
ATTENUATION COEFF. m⁻¹
200. dbars
JAN. 1982
OC113
40°30
40°00
0.20
0.20
0.15
>0.10
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

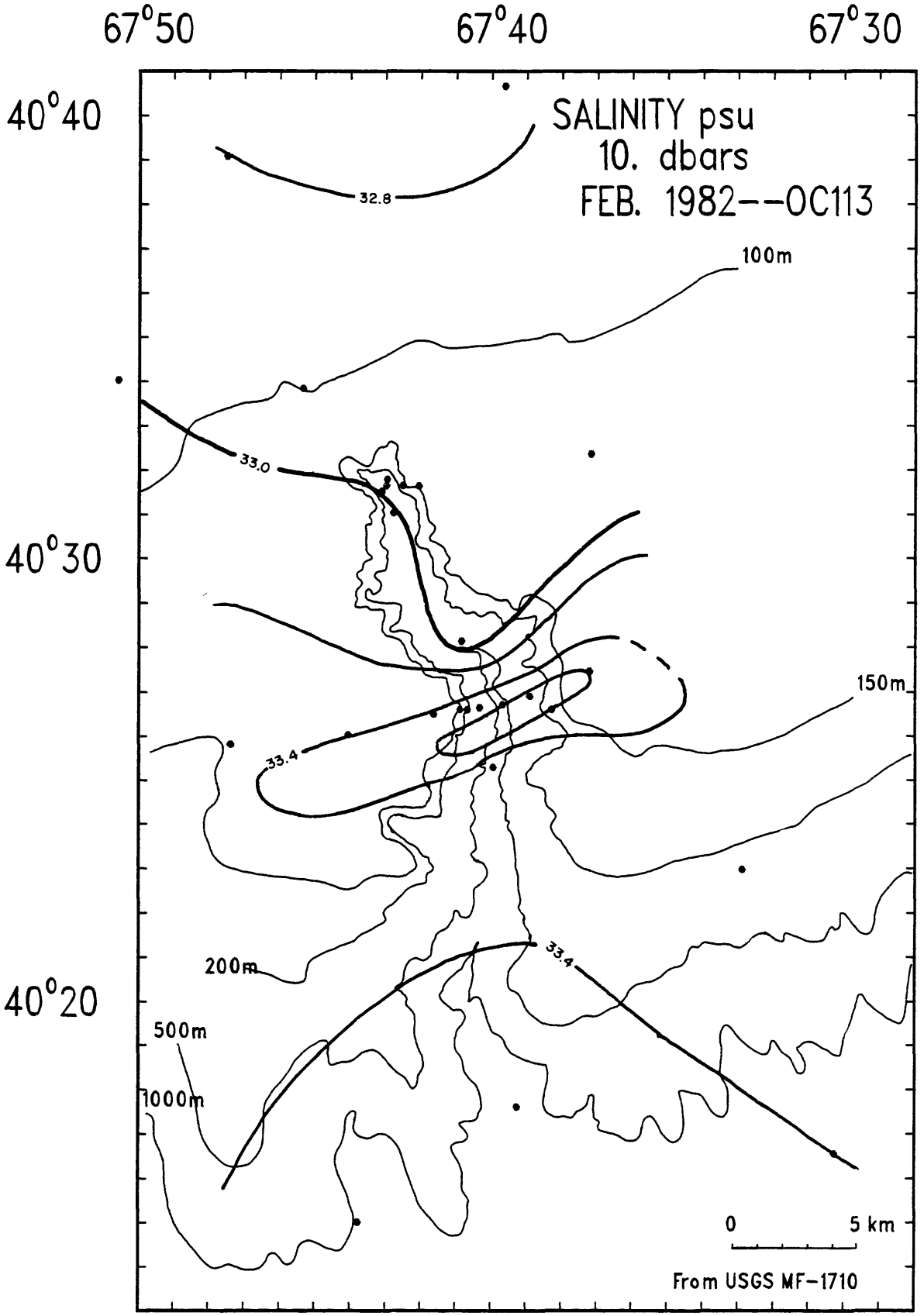

67°50
67°40
67°30
40°40
40°30
40°20
TEMPERATURE °C
10. dbars
FEB. 1982--OC113
100m
150m
200m
500m
1000m
5
6
7
0
5 km
From USGS MF-1710

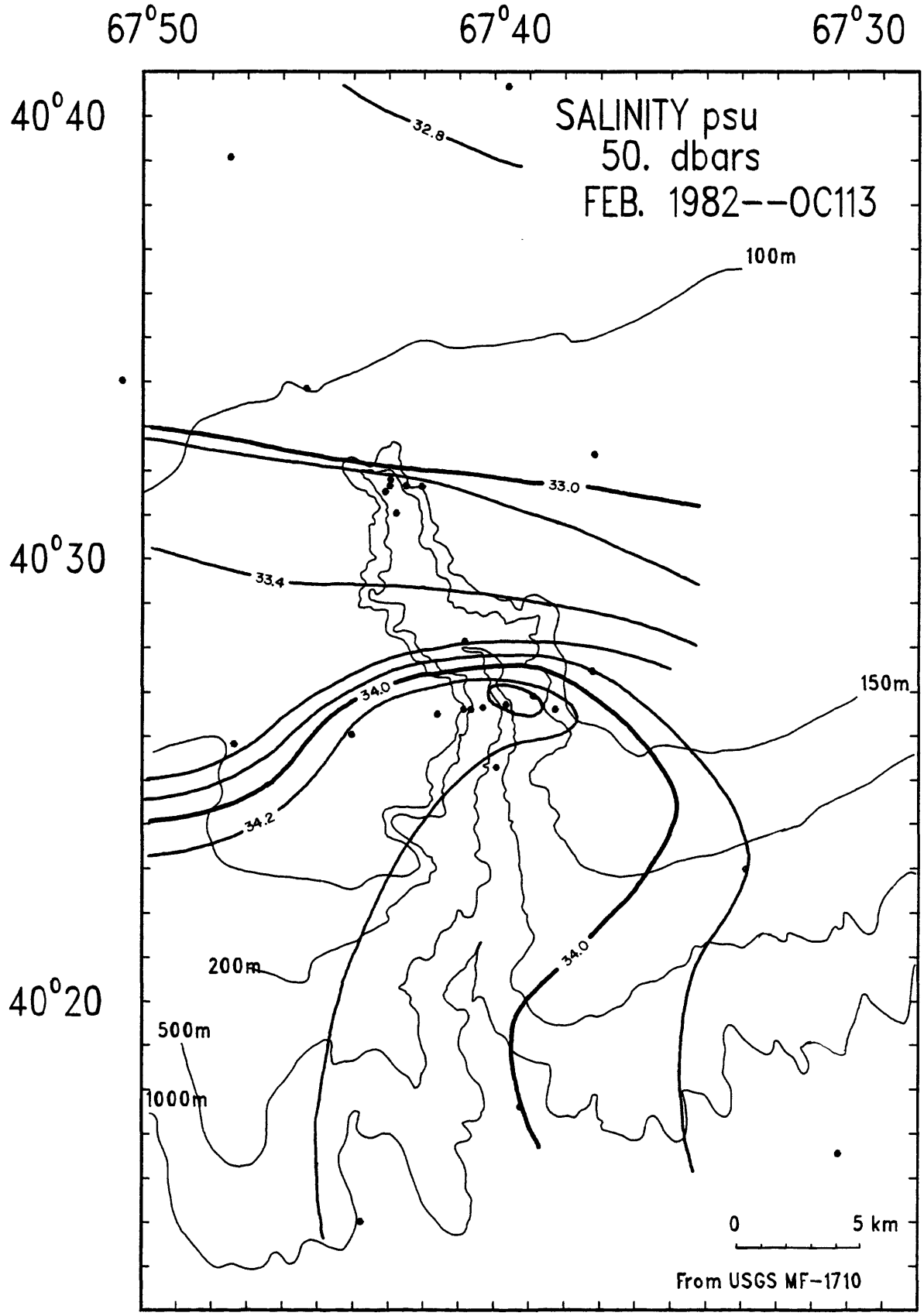

67°50
67°40
67°30
40°40
40°30
40°20
TEMPERATURE °C
50. dbars
FEB. 1982--OC113
100m
150m
200m
500m
1000m
5
6
7
8
9
10
0
5 km
From USGS MF-1710

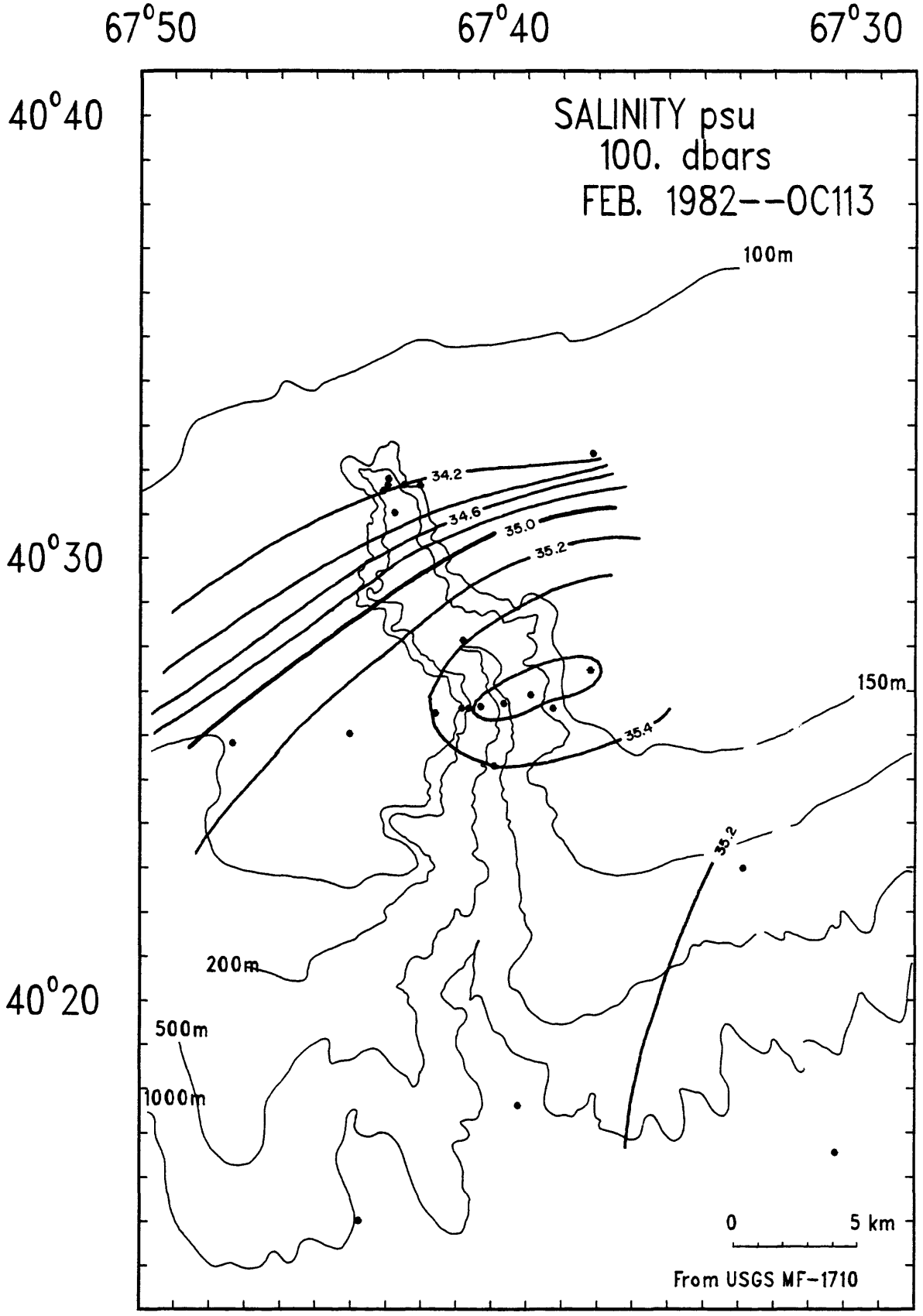

67°50
67°40
67°30
40°40
40°30
40°20
TEMPERATURE °C
100. dbars
FEB. 1982--OC113
100m
8
10
11
12
13
150m
200m
500m
1000m
0
5 km
From USGS MF-1710

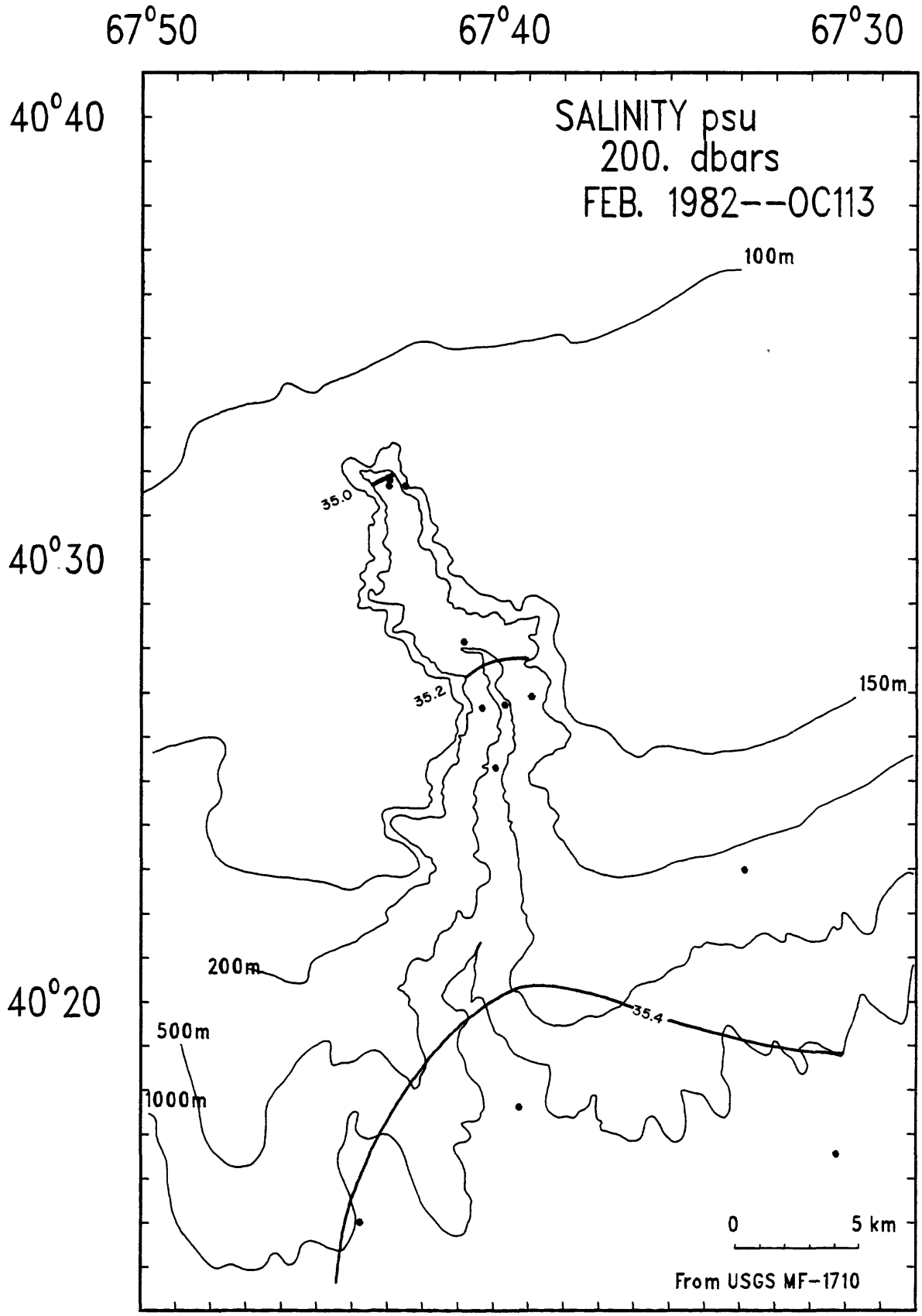

67°50
67°40
67°30
40°40
40°30
40°20
TEMPERATURE °C
200. dbars
FEB. 1982--OC113
100m
150m
200m
500m
1000m
10
11
0
5 km
From USGS MF-1710

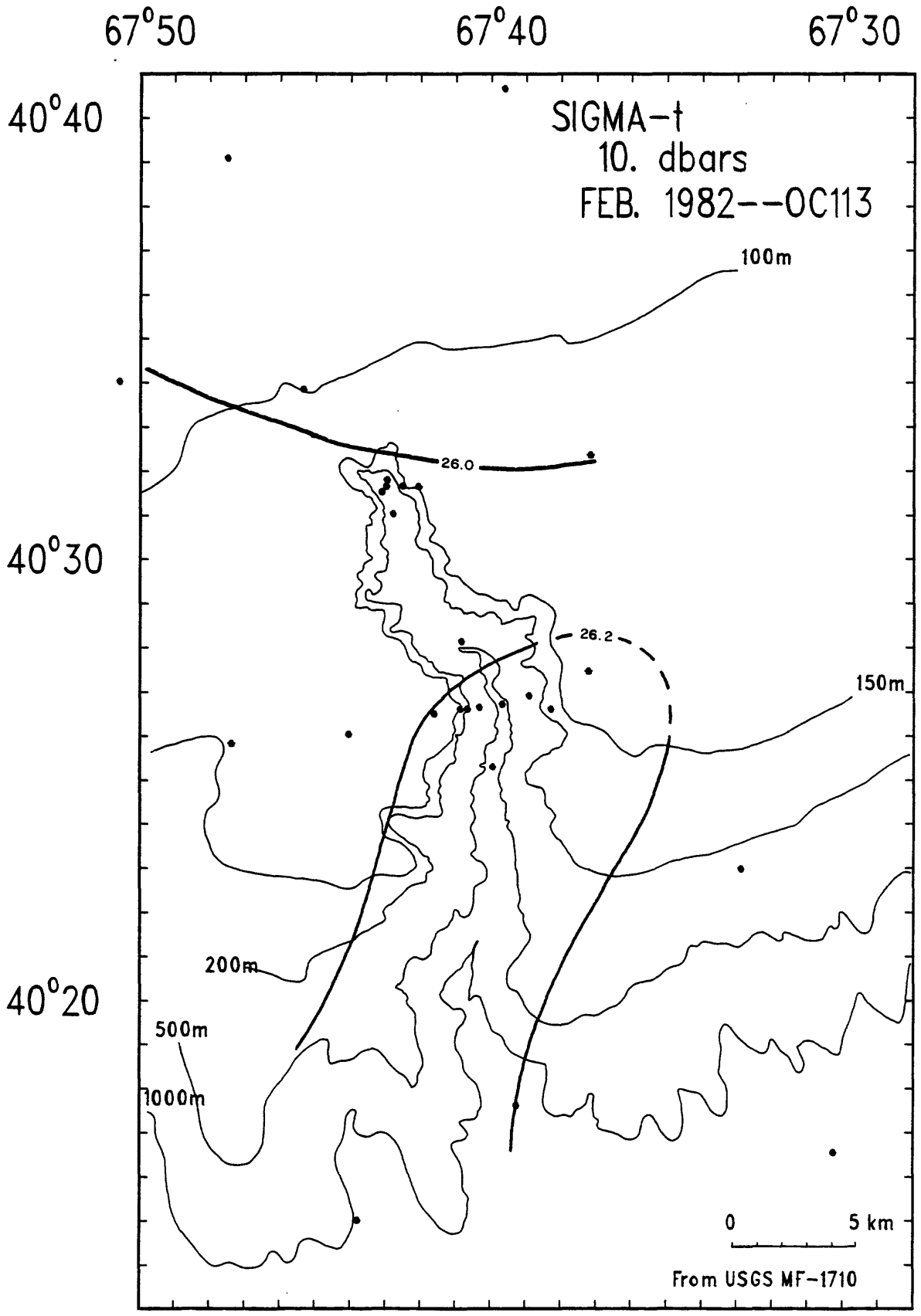

67°50
67°40
67°30
40°40
40°30
40°20
SALINITY psu
0. dbars
FEB. 1982--OC113
100m
32.8
33.0
33.2
33.4
33.6
150m
33.2
200m
33.4
500m
1000m
0
5 km
From USGS MF-1710

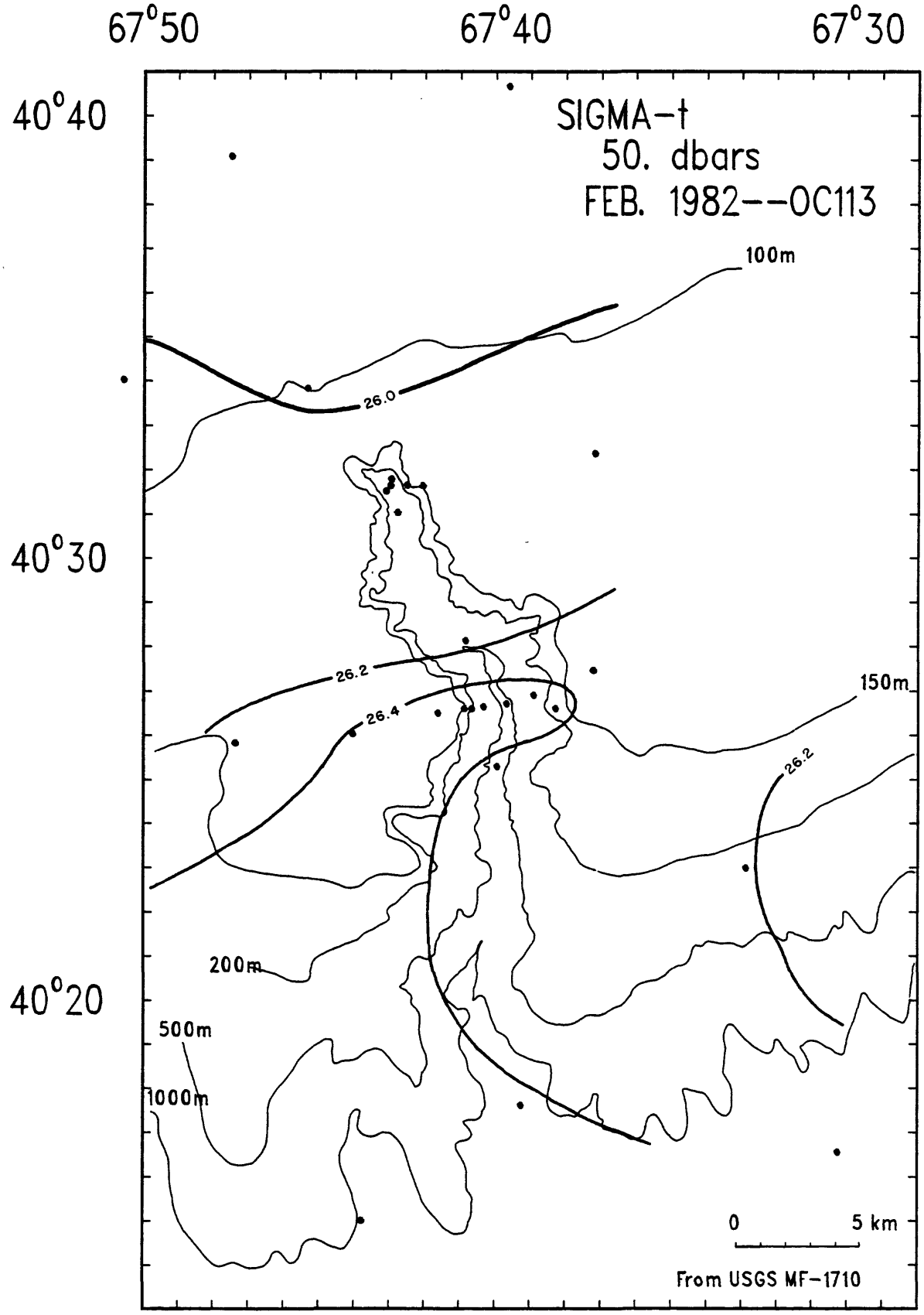

67°50
67°40
67°30
40°40
40°30
40°20
SALINITY psu
10. dbars
FEB. 1982--OC113
32.8
100m
33.0
150m
33.4
200m
33.4
500m
1000m
0
5 km
From USGS MF-1710

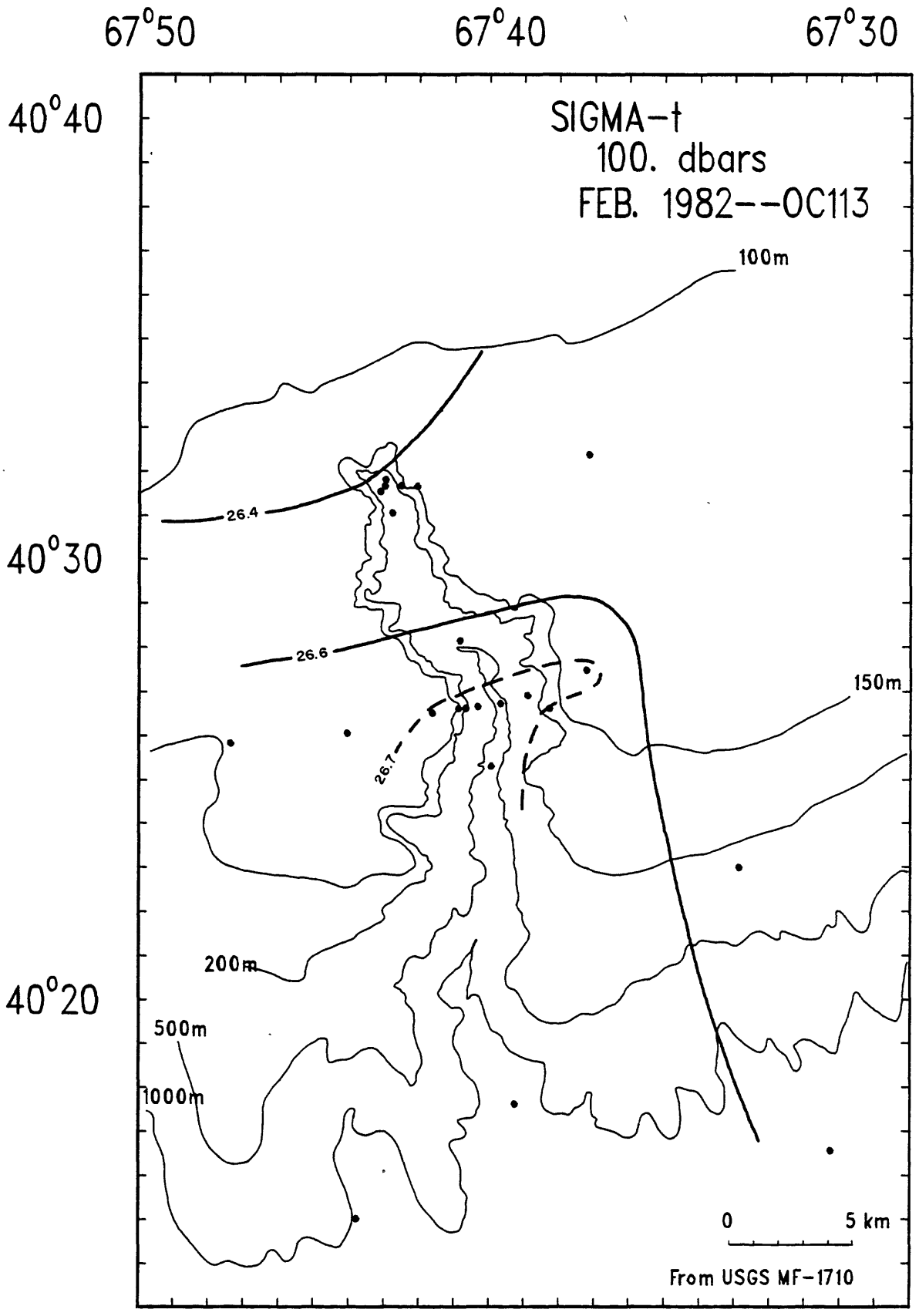

67°50
67°40
67°30
40°40
40°30
40°20
SALINITY psu
50. dbars
FEB. 1982--OC113
32.8
33.0
33.4
34.0
34.2
34.0
100m
150m
200m
500m
1000m
0
5 km
From USGS MF-1710

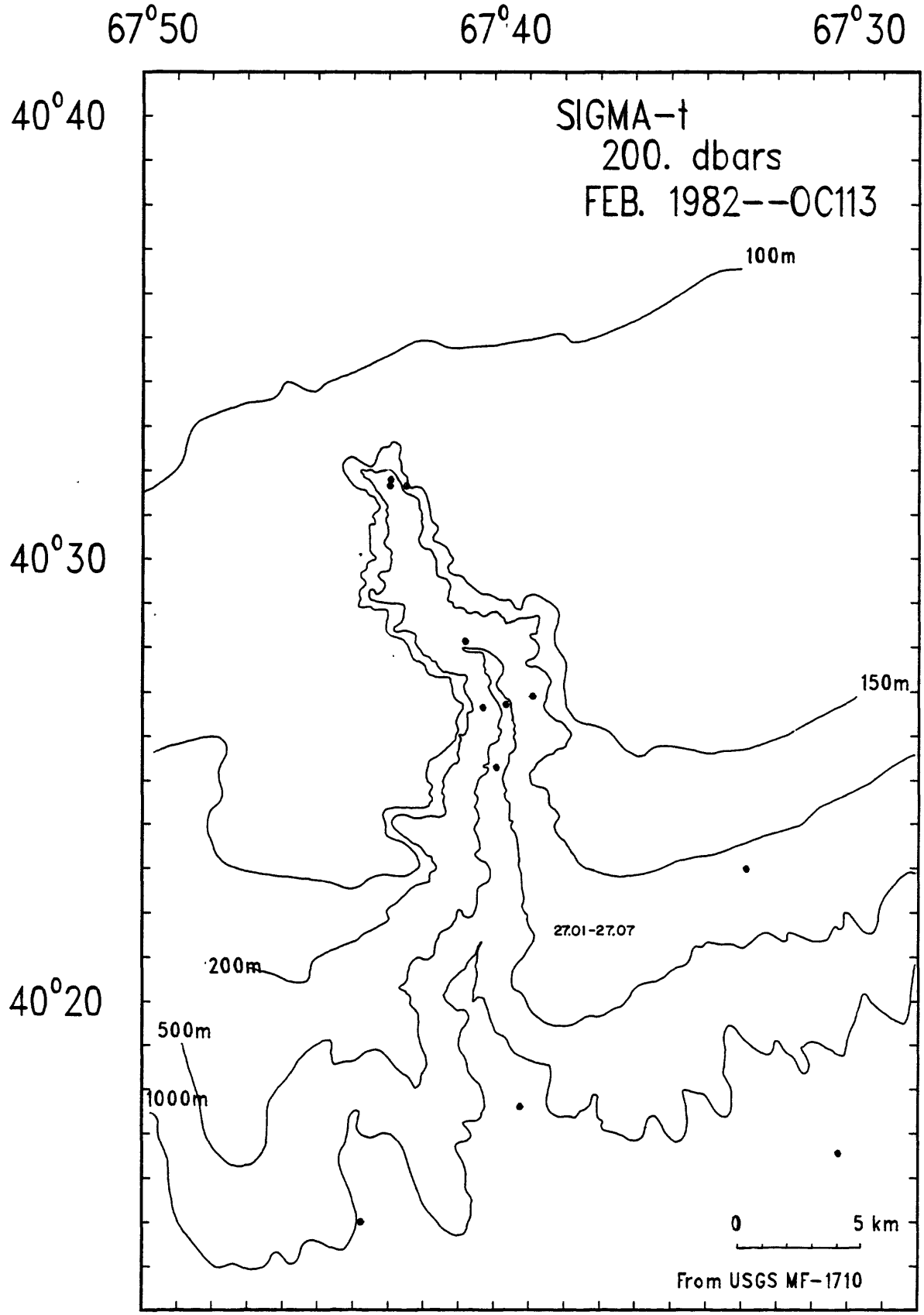

67°50
67°40
67°30
40°40
40°30
40°20
SALINITY psu
100. dbars
FEB. 1982--OC113
100m
150m
200m
500m
1000m
34.2
34.6
35.0
35.2
35.4
35.2
0
5 km
From USGS MF-1710

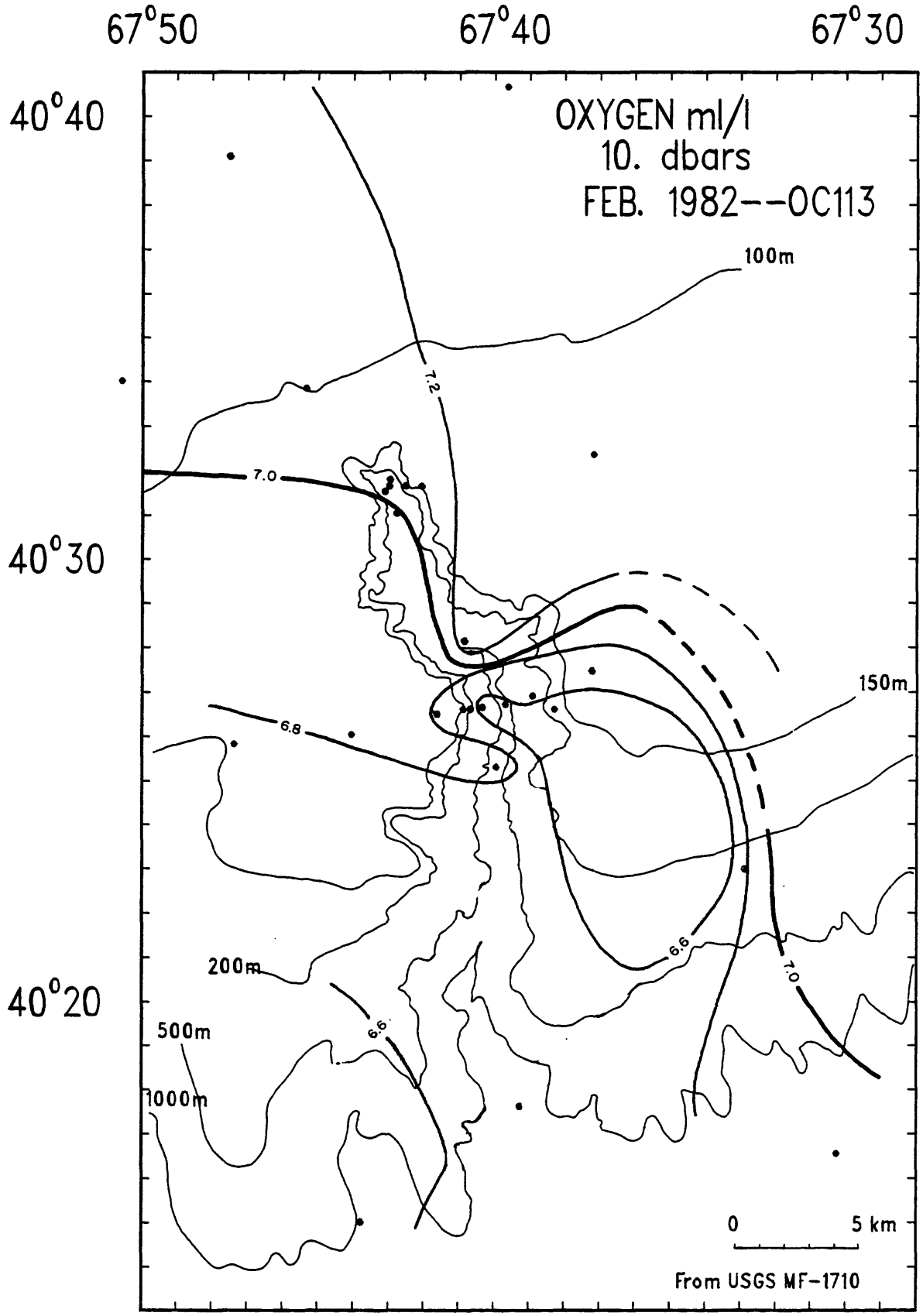

67°50
67°40
67°30
40°40
40°30
40°20
SALINITY psu
200. dbars
FEB. 1982--OC113
100m
150m
200m
500m
1000m
35.0
35.2
35.4
0
5 km
From USGS MF-1710

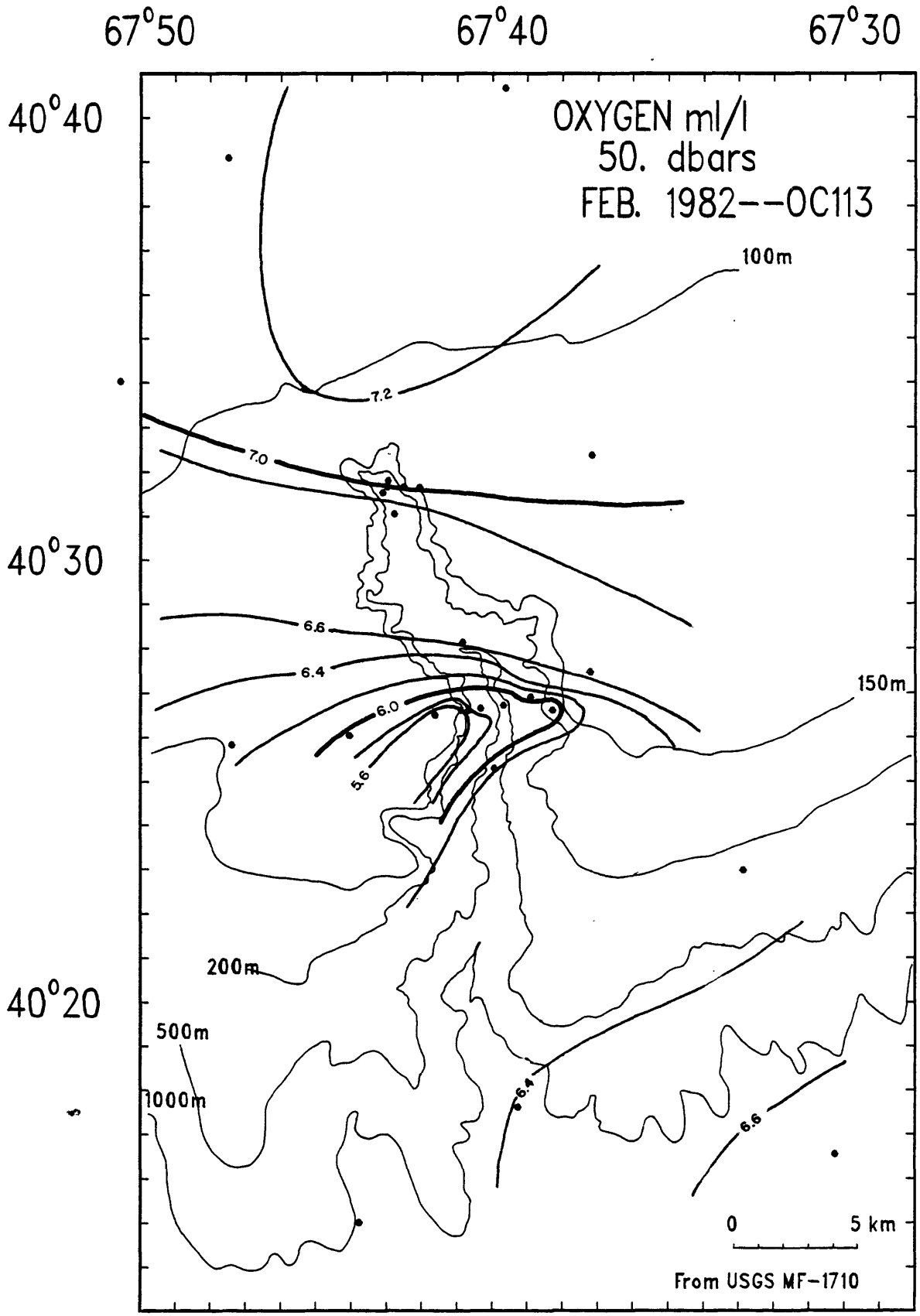

67°50
67°40
67°30
40°40
40°30
40°20
SIGMA-t
10. dbars
FEB. 1982--OC113
100m
26.0
26.2
150m
200m
500m
1000m
0
5 km
From USGS MF-1710

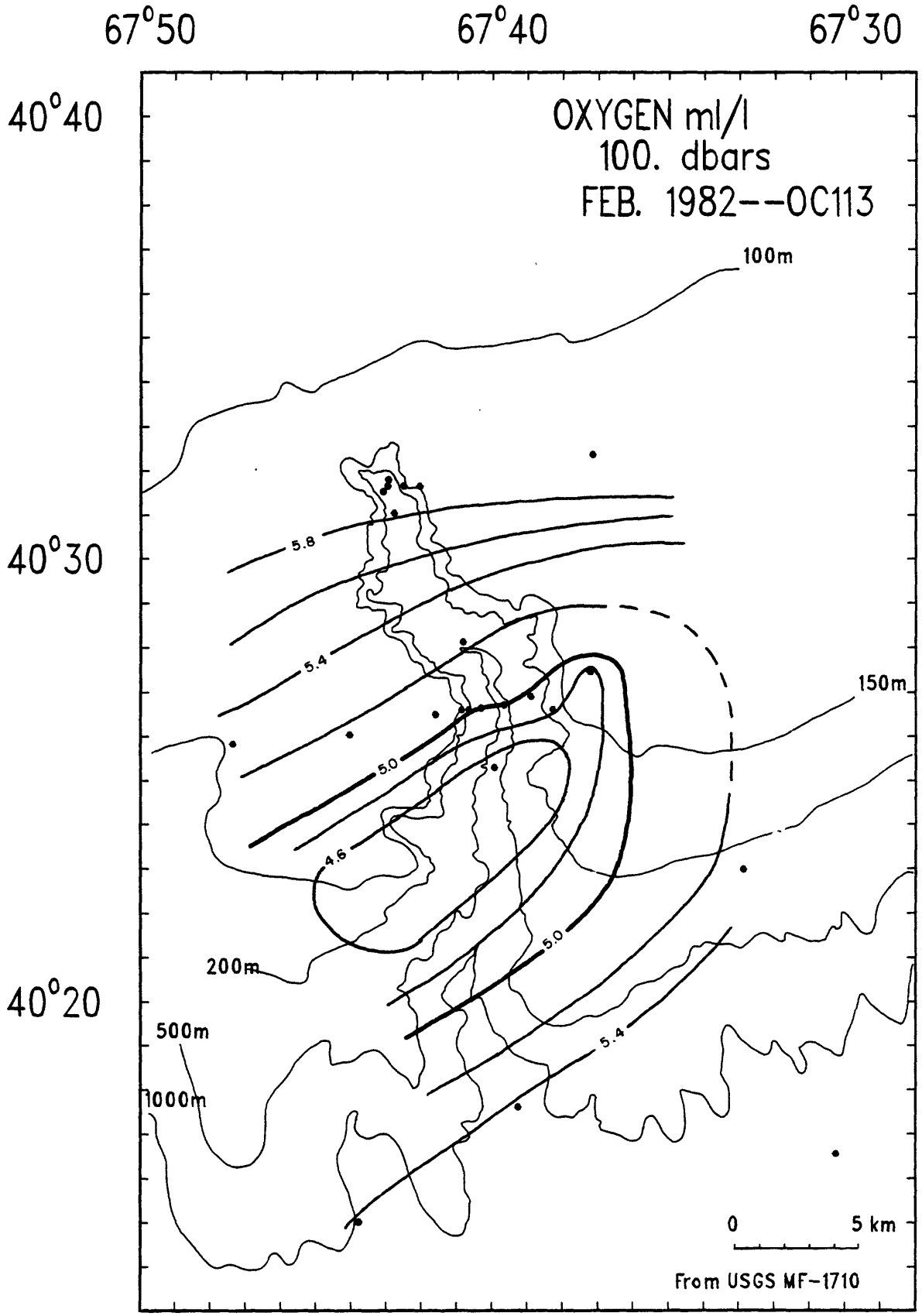

67°50
67°40
67°30
40°40
40°30
40°20
SIGMA-t
50. dbars
FEB. 1982--OC113
100m
26.0
26.2
26.4
150m
26.2
200m
500m
1000m
0
5 km
From USGS MF-1710

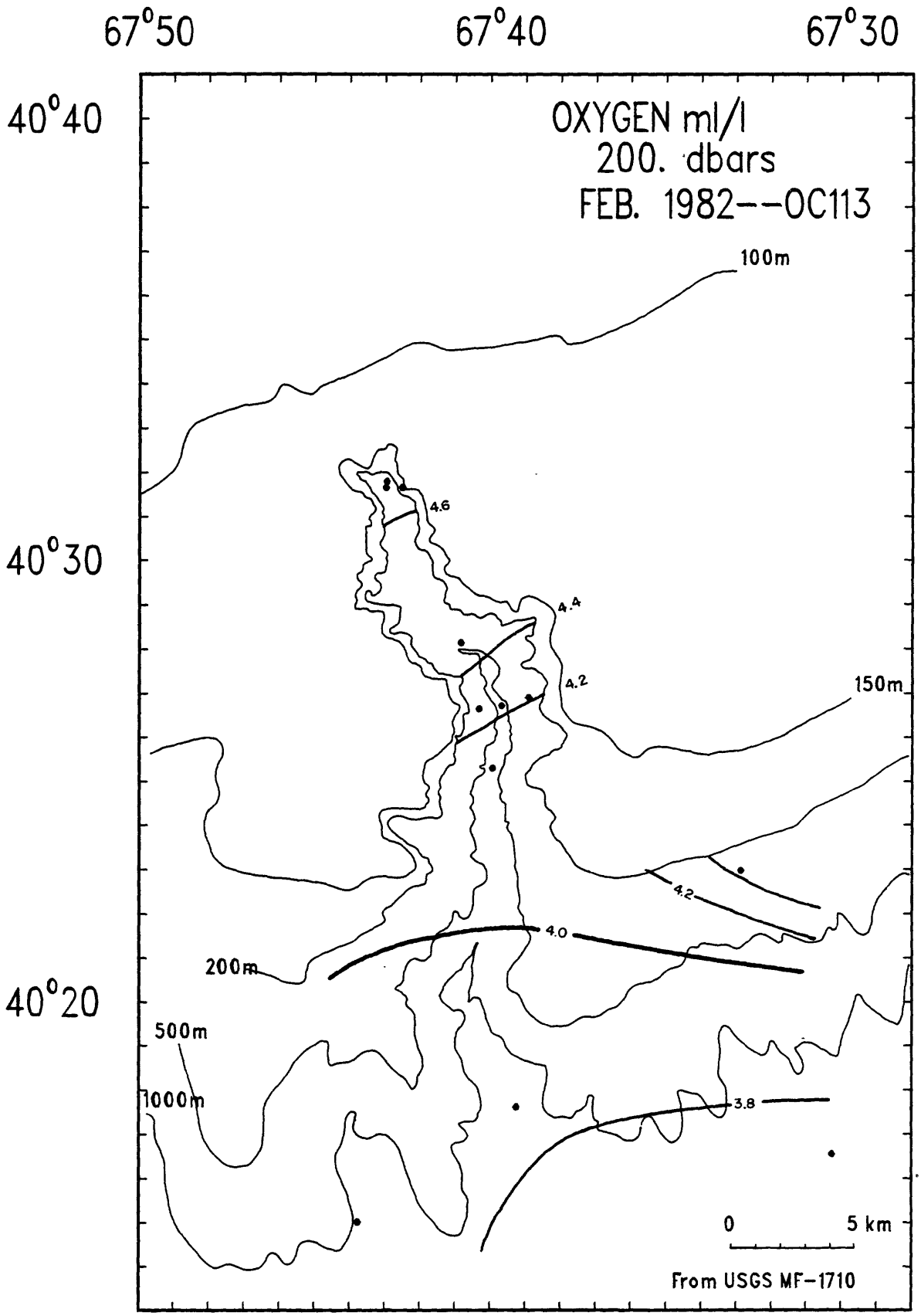

67°50
67°40
67°30
40°40
40°30
40°20
SIGMA-t
100. dbars
FEB. 1982--OC113
100m
26.4
26.6
26.7
150m
200m
500m
1000m
0
5 km
From USGS MF-1710

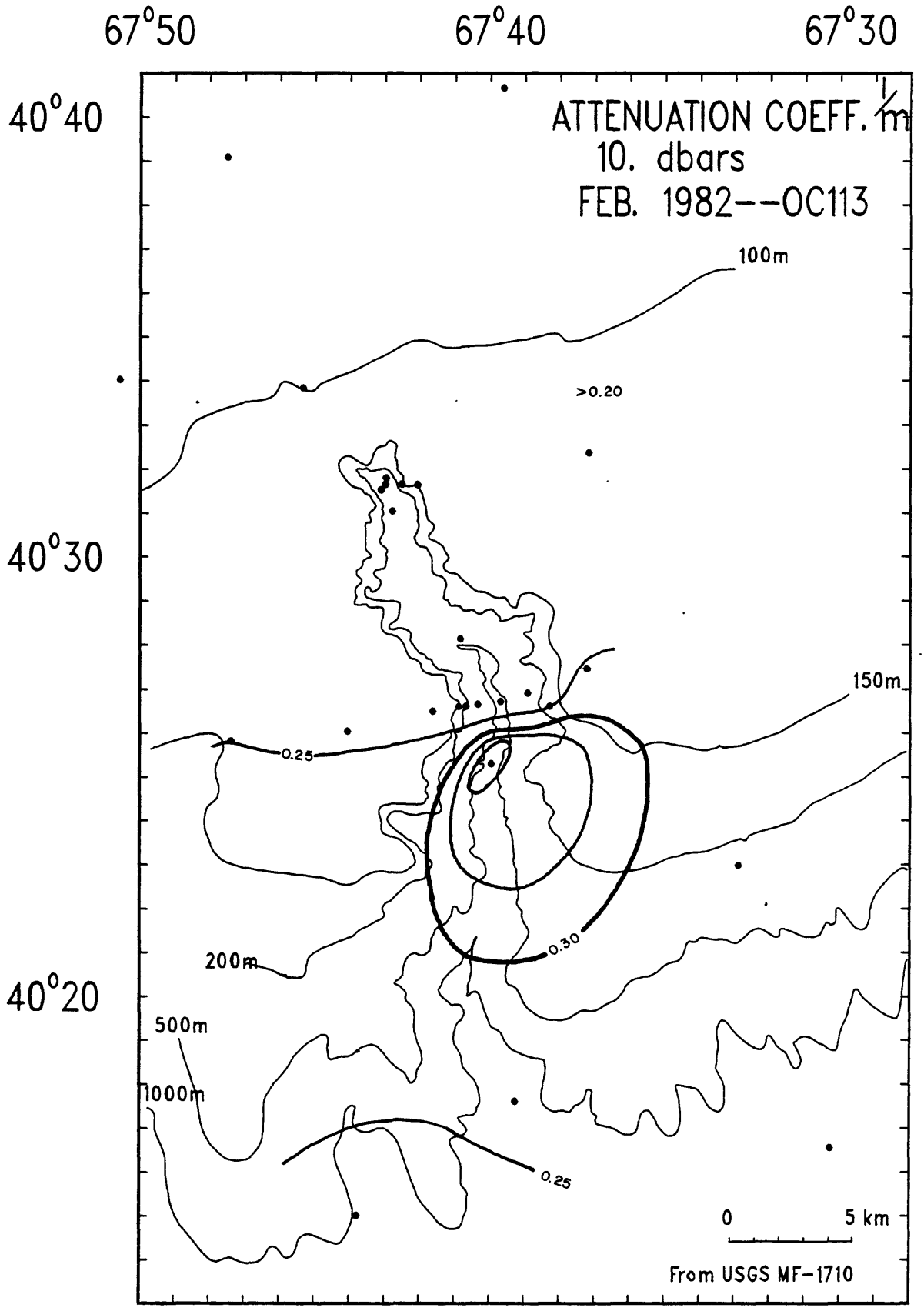

67°50
67°40
67°30
40°40
40°30
40°20
SIGMA-t
200. dbars
FEB. 1982--OC113
100m
150m
27.01-27.07
200m
500m
1000m
0
5 km
From USGS MF-1710

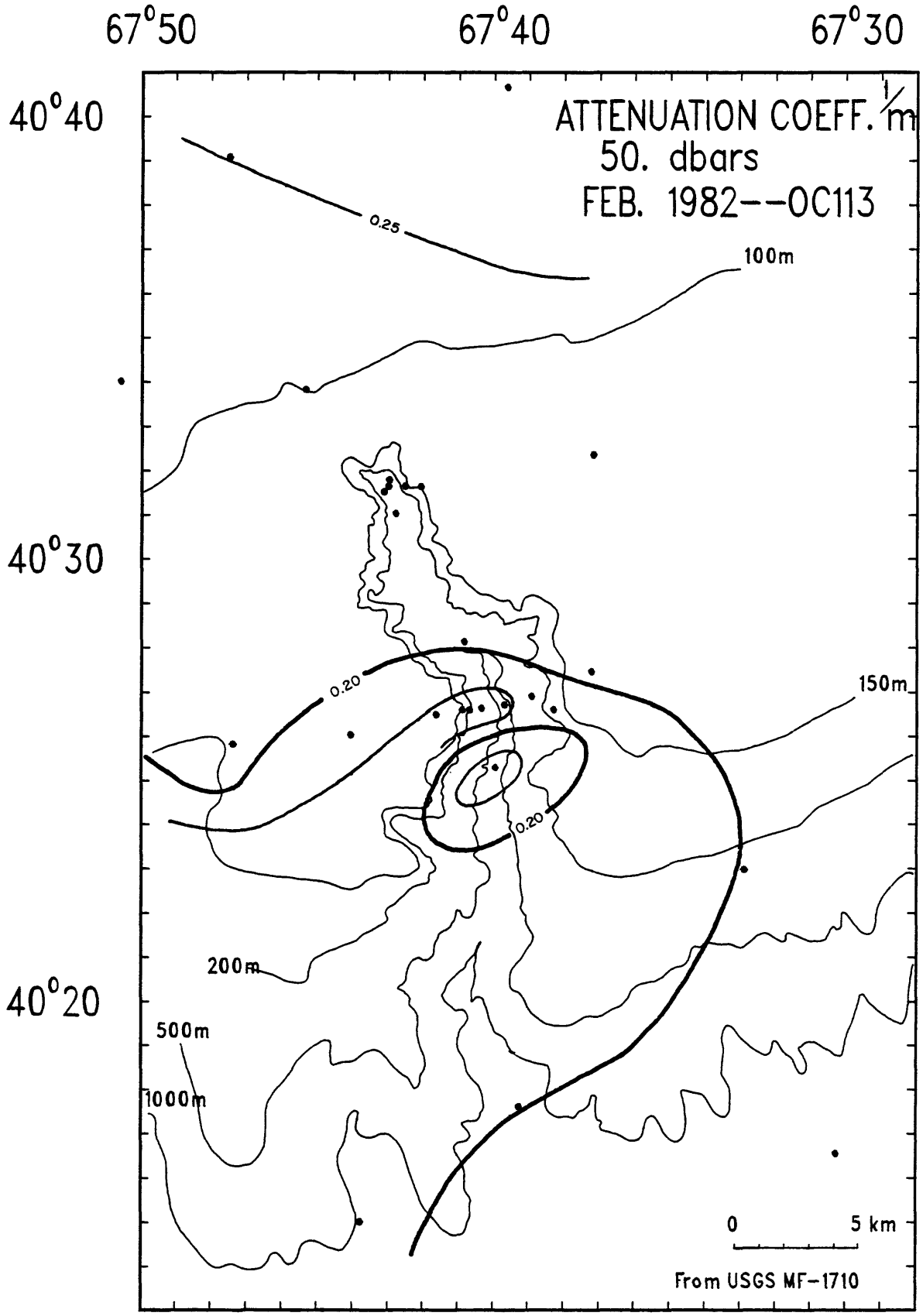

67°50
67°40
67°30
40°40
40°30
40°20
OXYGEN ml/l
10. dbars
FEB. 1982--OC113
100m
150m
200m
500m
1000m
7.2
7.0
6.8
6.6
6.6
7.0
0
5 km
From USGS MF-1710

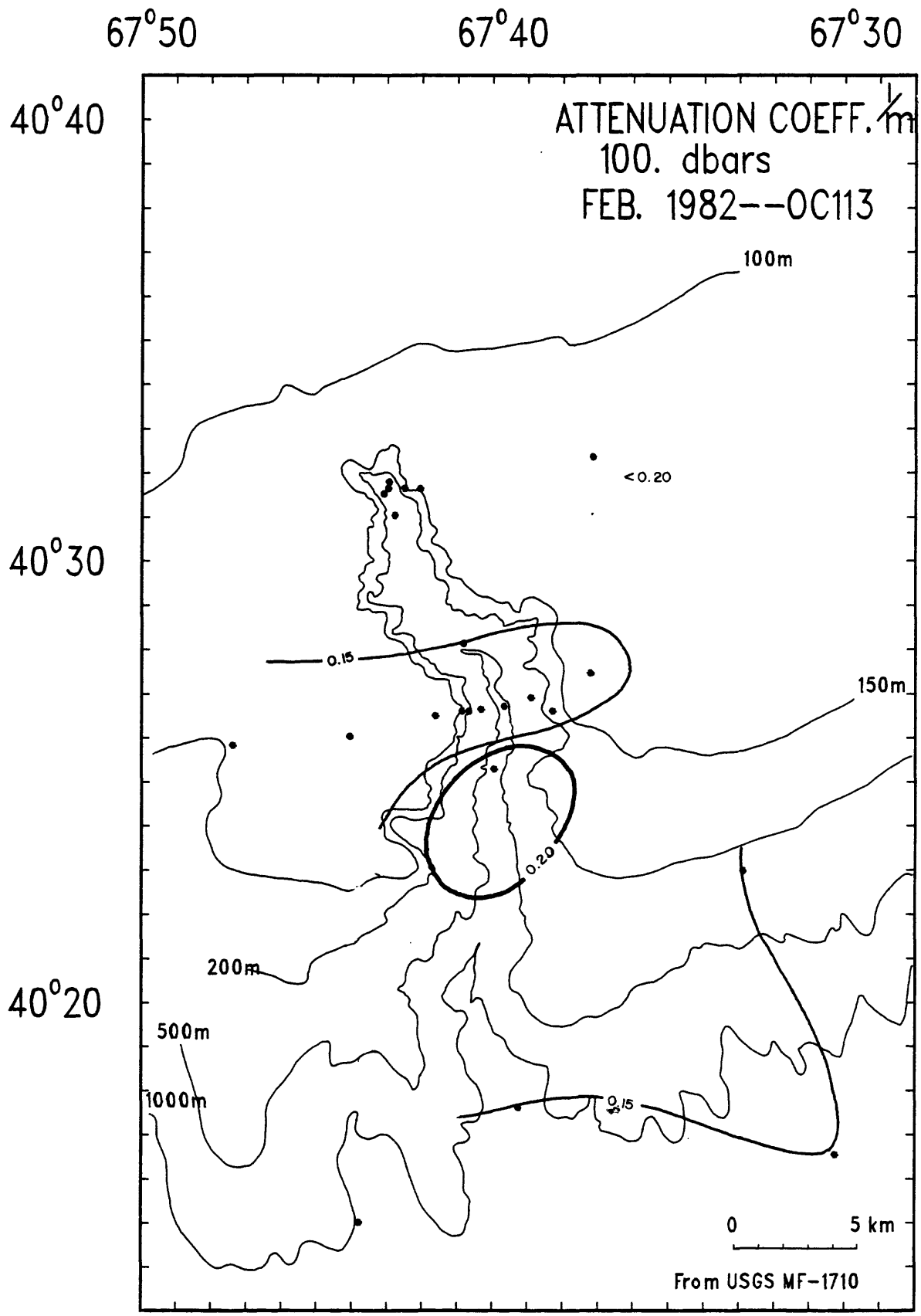

67°50
67°40
67°30
40°40
40°30
40°20
OXYGEN ml/l
50. dbars
FEB. 1982--OC113
100m
150m
200m
500m
1000m
7.2
7.0
6.6
6.4
6.0
5.6
6.4
6.6
0
5 km
From USGS MF-1710

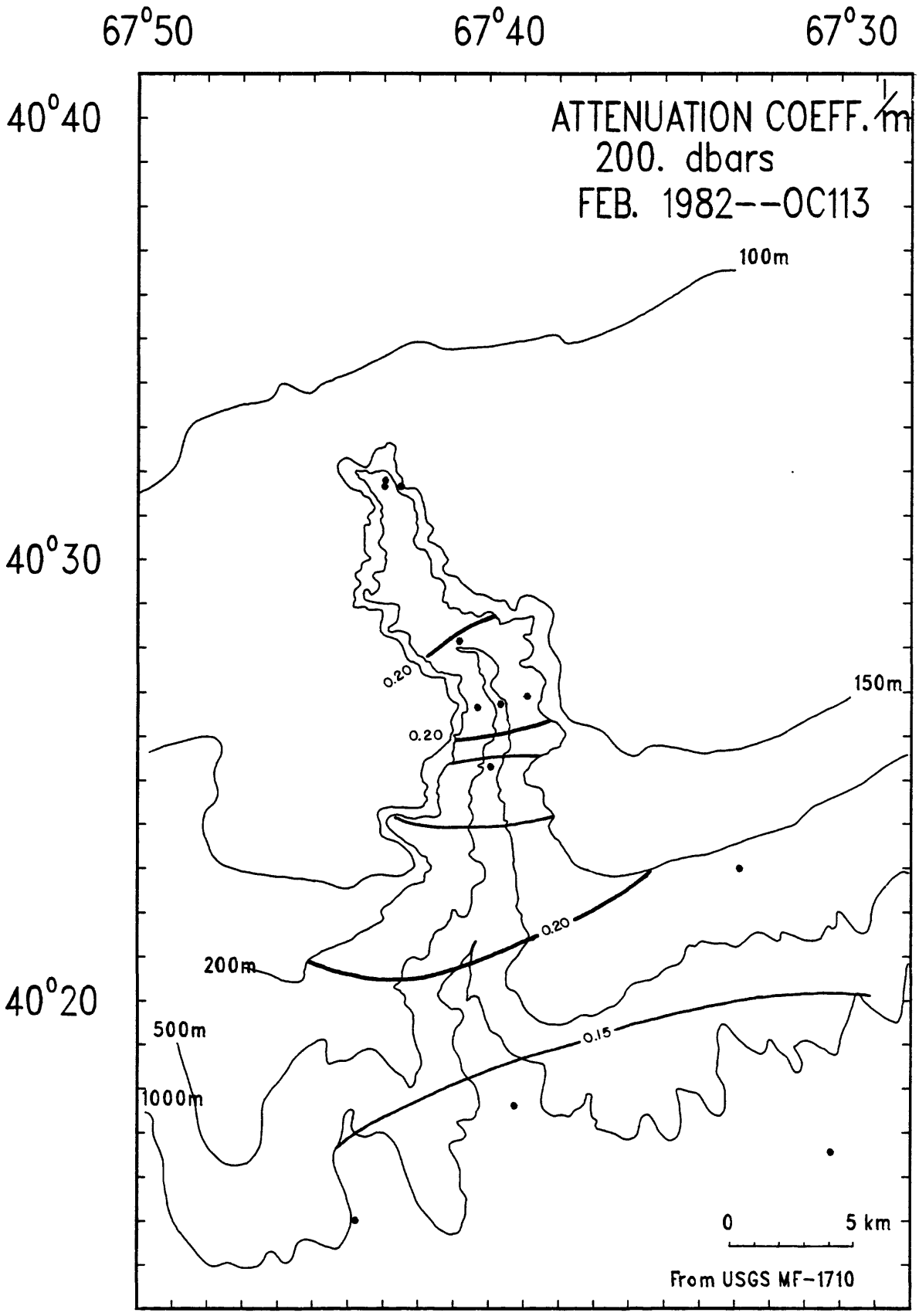

67°50
67°40
67°30
40°40
40°30
40°20
OXYGEN ml/l
100. dbars
FEB. 1982--OC113
100m
150m
200m
500m
1000m
5.8
5.4
5.0
4.6
5.0
5.4
0
5 km
From USGS MF-1710


67°50
67°40
67°30
40°40
40°30
40°20
OXYGEN ml/l
200. dbars
FEB. 1982--OC113
100m
150m
200m
500m
1000m
4.6
4.4
4.2
4.2
4.0
3.8
0
5 km
From USGS MF-1710


67°50
67°40
67°30
40°40
40°30
40°20
ATTENUATION COEFF. 1/m
10. dbars
FEB. 1982--OC113
100m
>0.20
150m
0.25
0.30
200m
500m
1000m
0.25
0
5 km
From USGS MF-1710


67°50
67°40
67°30
40°40
40°30
40°20
ATTENUATION COEFF. 1/m
50. dbars
FEB. 1982--OC113
0.25
100m
0.20
150m
0.20
200m
500m
1000m
0
5 km
From USGS MF-1710

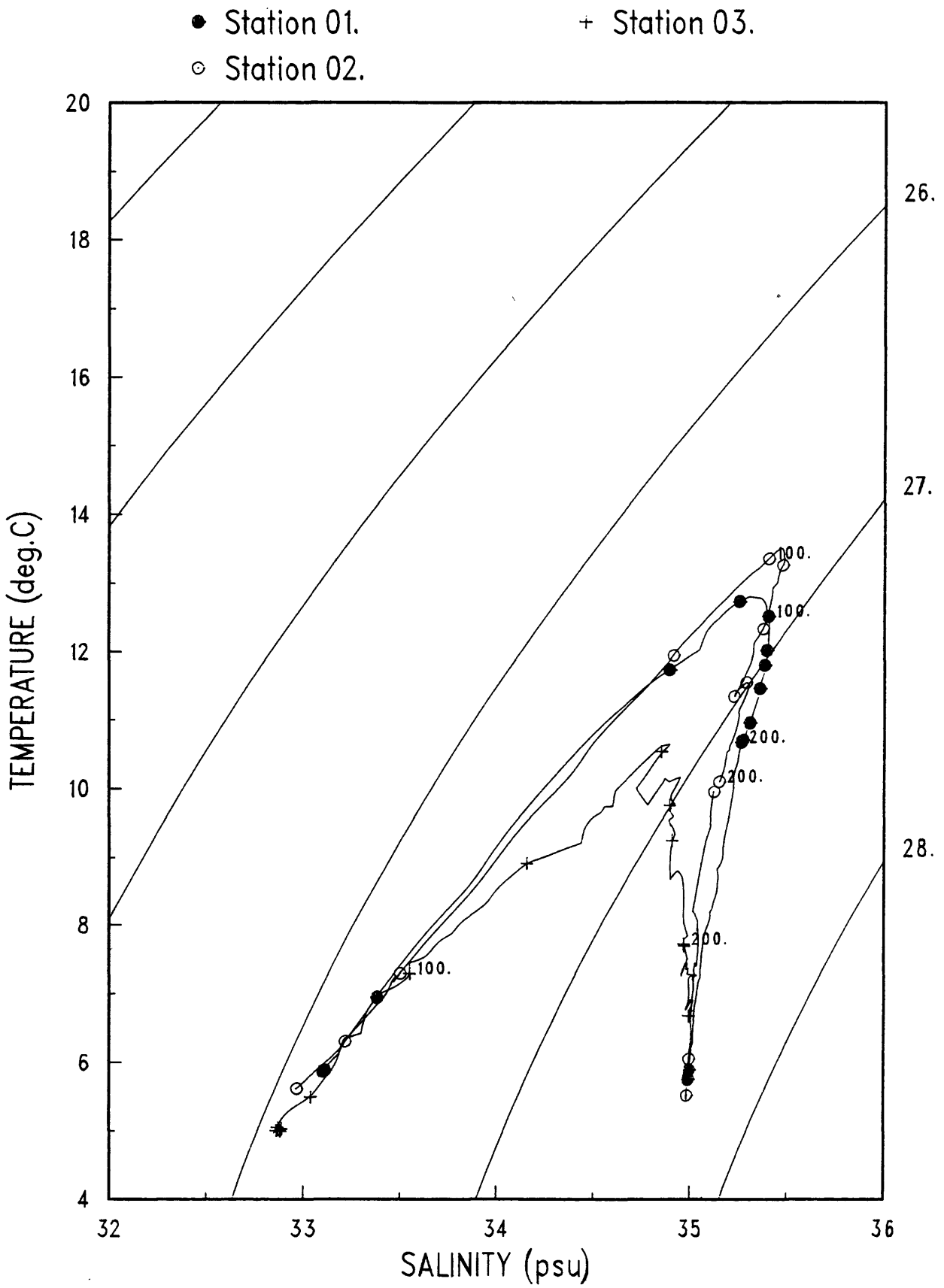

67°50
67°40
67°30
40°40
40°30
40°20
ATTENUATION COEFF. 1/m
100. dbars
FEB. 1982--OC113
100m
<0.20
0.15
150m
0.20
200m
500m
1000m
0.15
0
5 km
From USGS MF-1710


67°50
67°40
67°30
40°40
40°30
40°20
ATTENUATION COEFF. 1/m
200. dbars
FEB. 1982--OC113
100m
150m
200m
500m
1000m
0.20
0.20
0.20
0.15
0
5 km
From USGS MF-1710

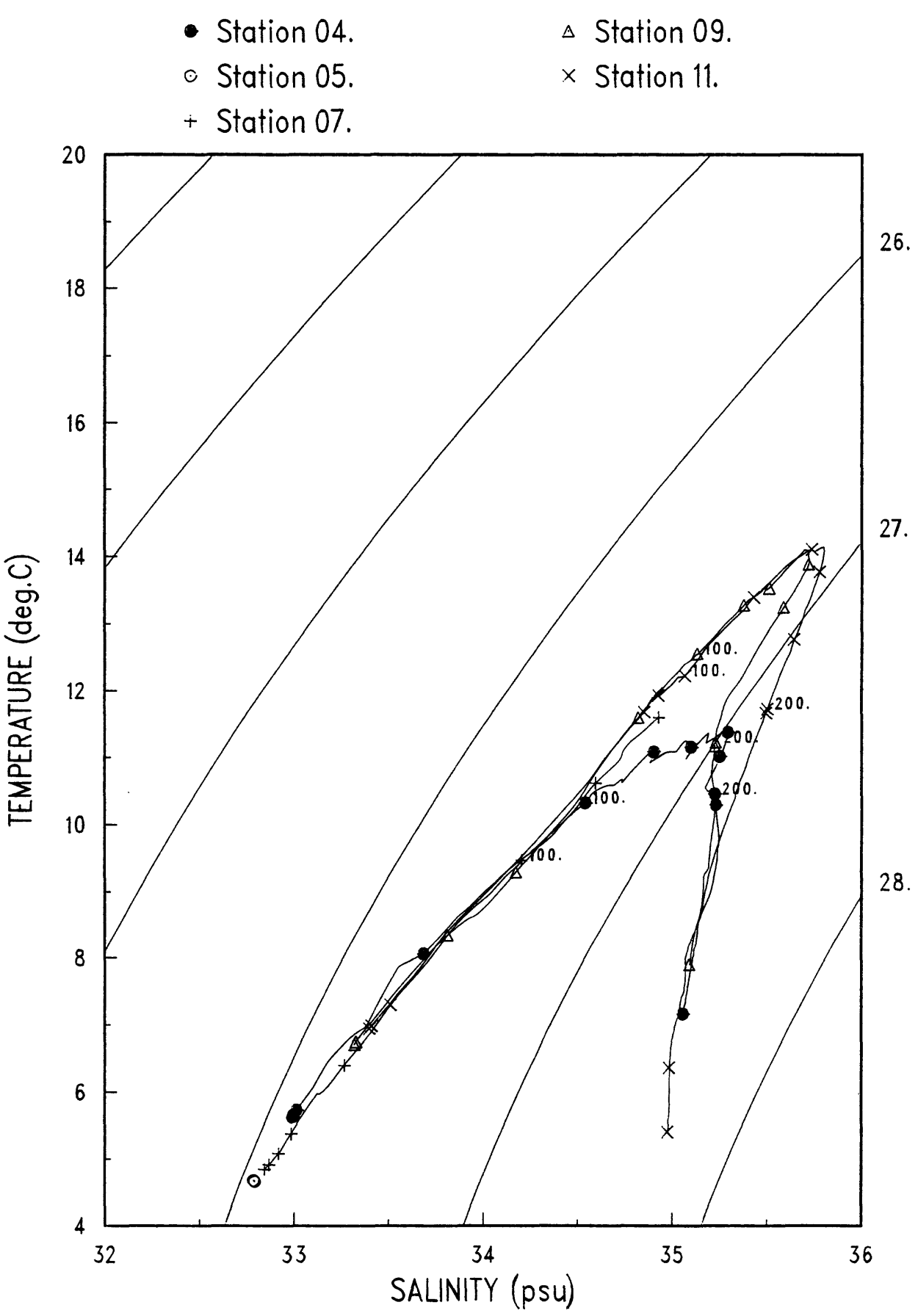
Temperature salinity diagrams

Plots of temperature vs. salinity are by section (see figs. 1 and 2). Each station is identified with a different symbol. The symbols are plotted every 20 dbars, and the 100-, 200-, and 500-dbar points have been labeled.

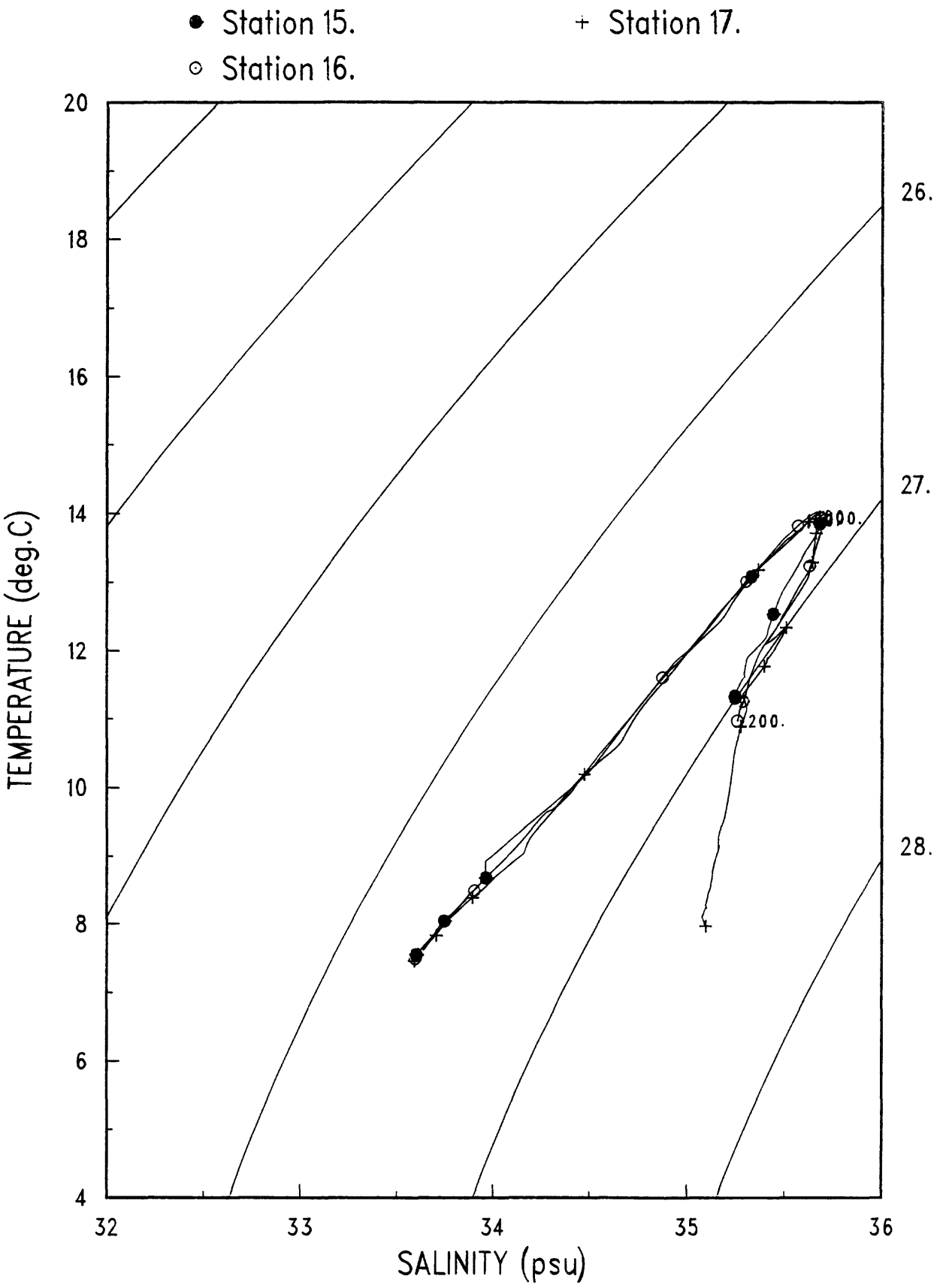
OC113--TS Diagram Section 1



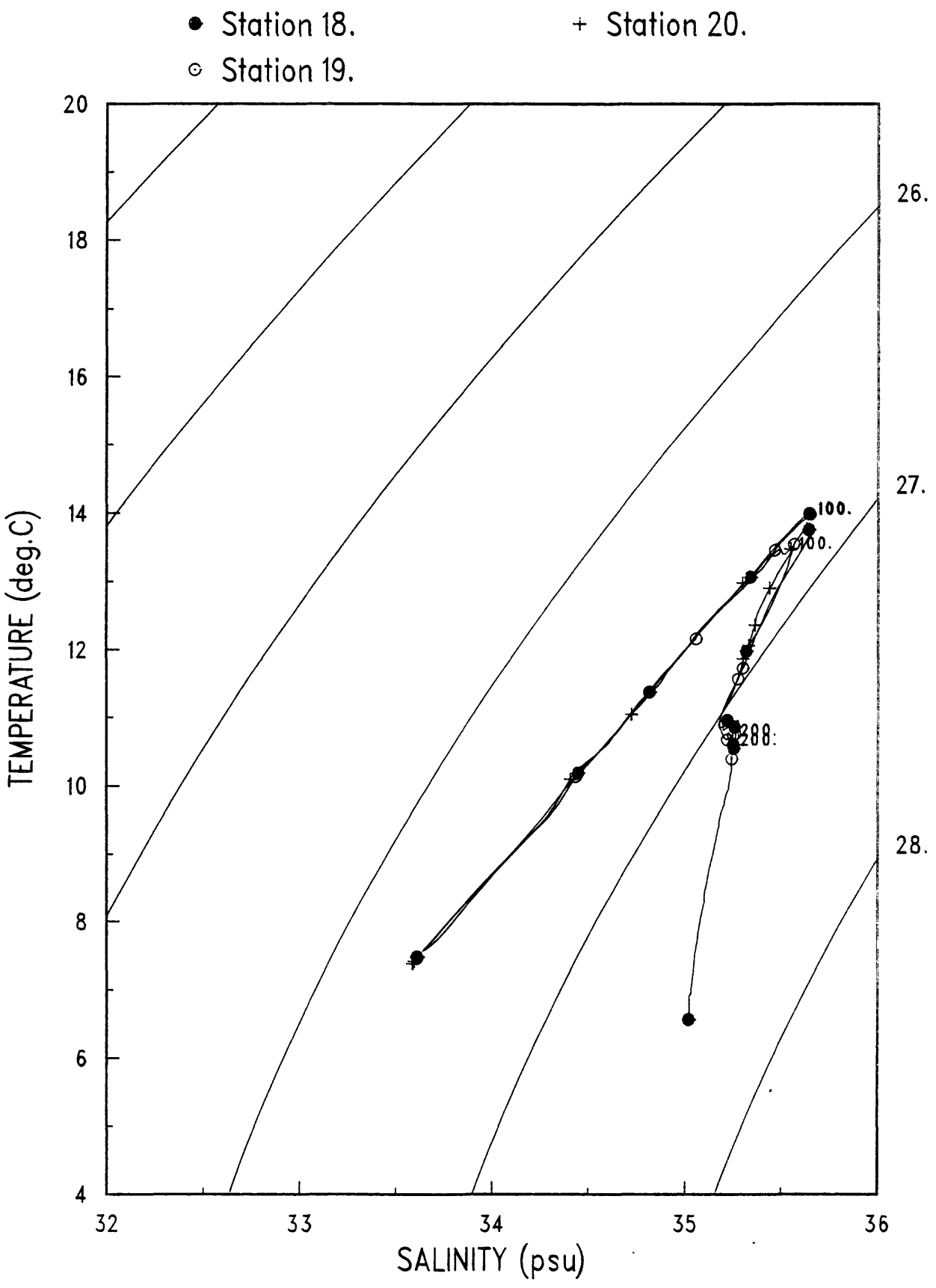
OC113--TS Diagram Section 2



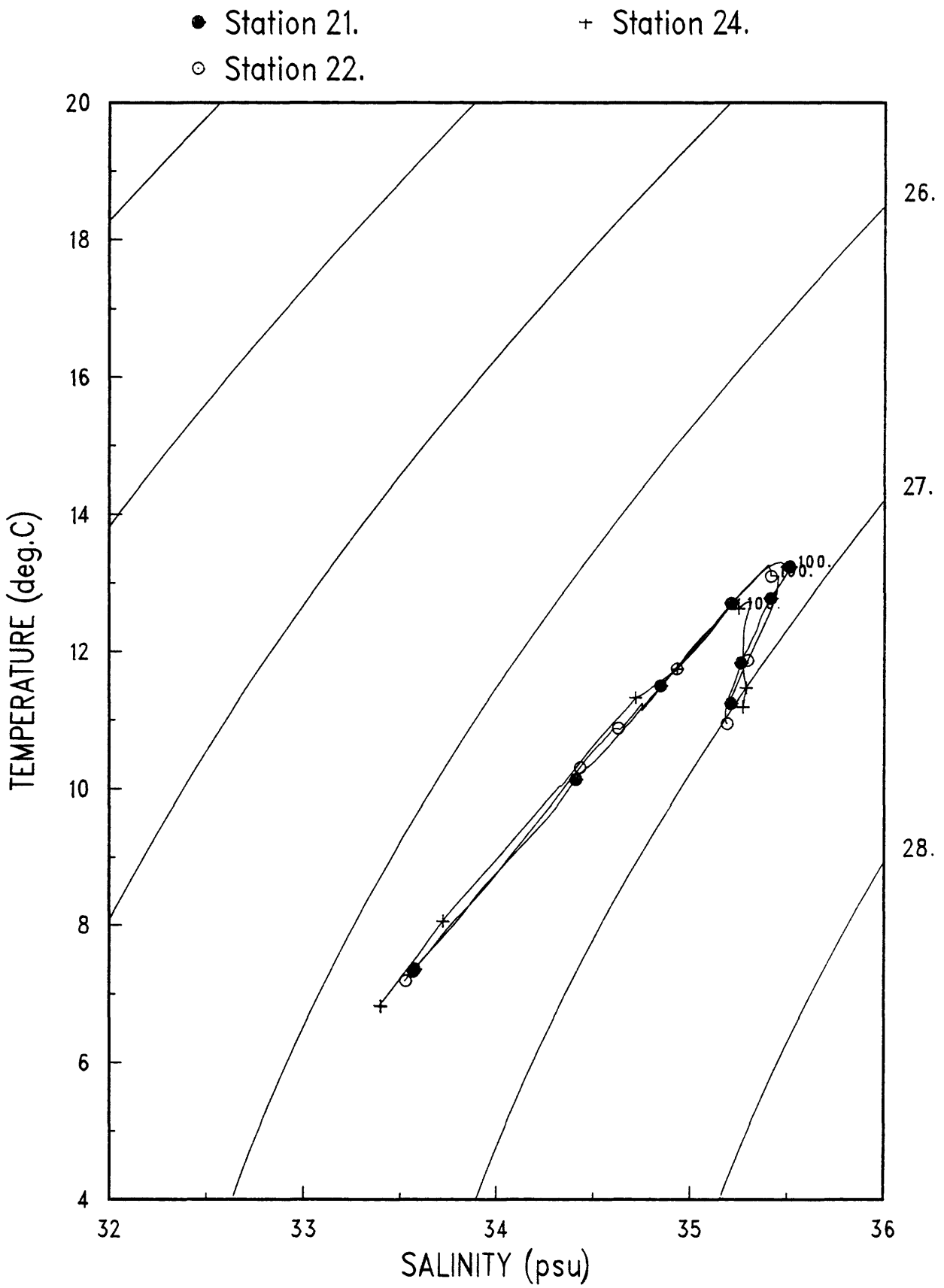
OC113--TS Diagram Section 3



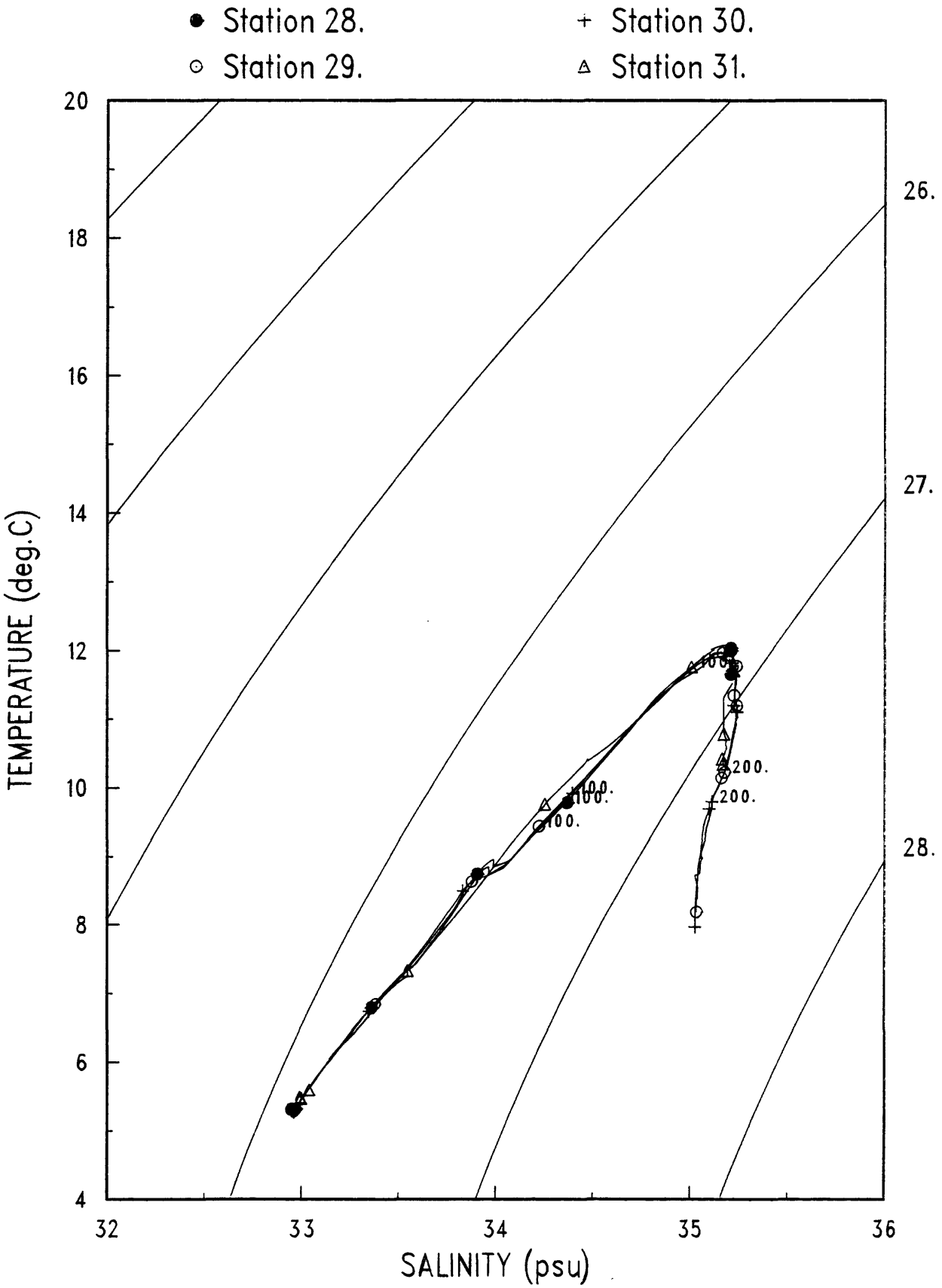
OC113--TS Diagram Section 3



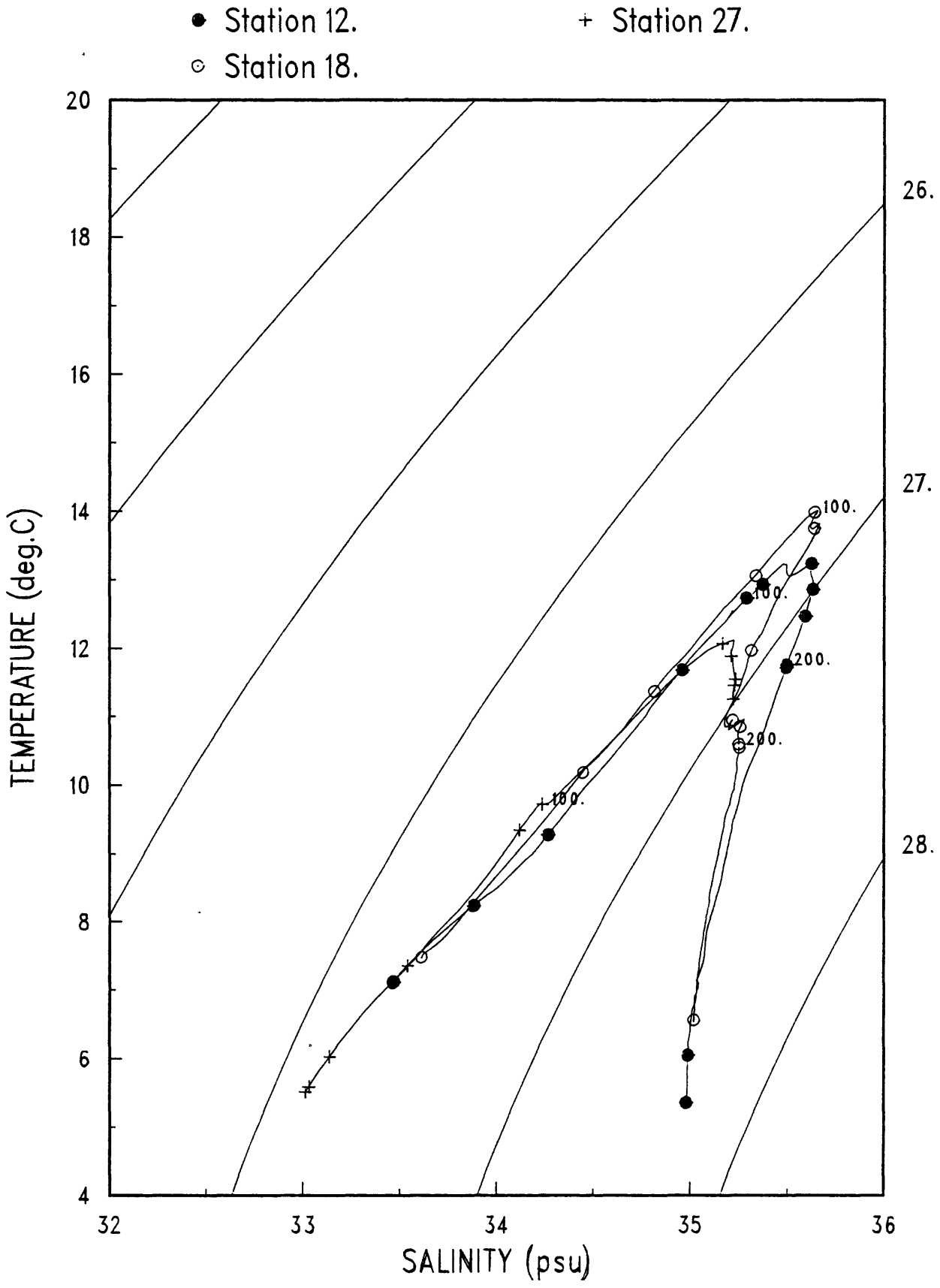
OC113--TS Diagram Section 3



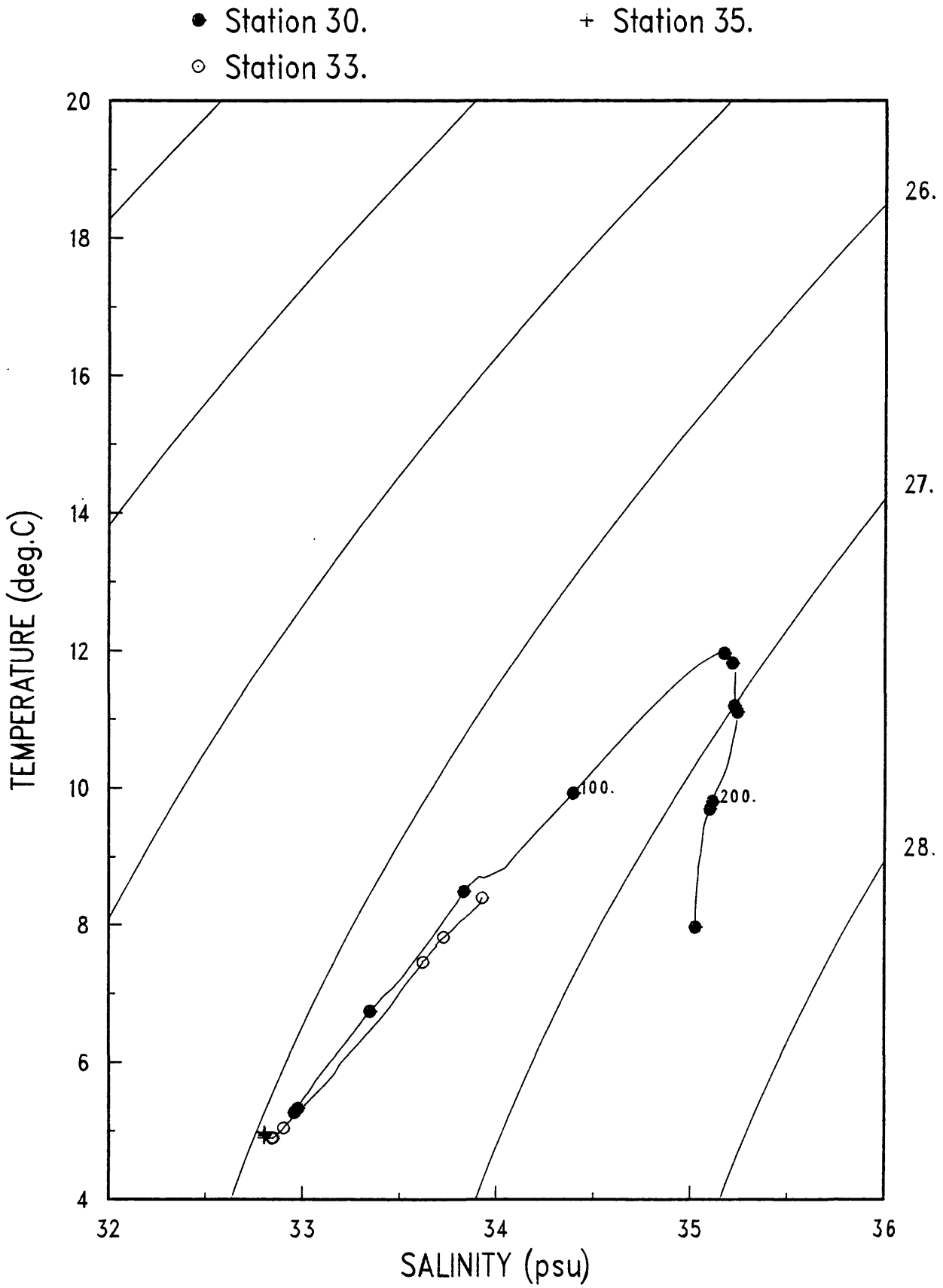
OC113--TS Diagram Section 4



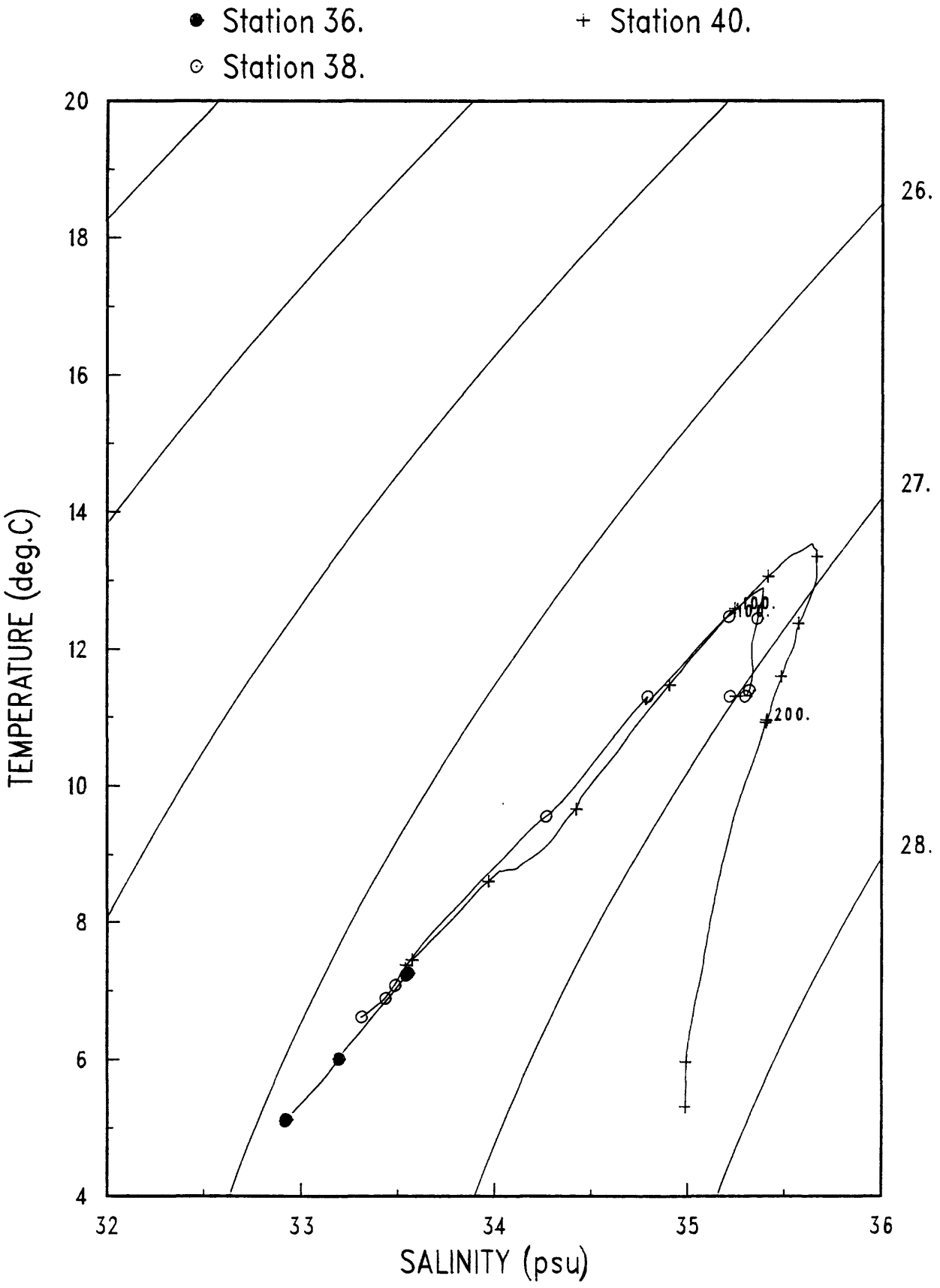
OC113--TS Diagram Section 5



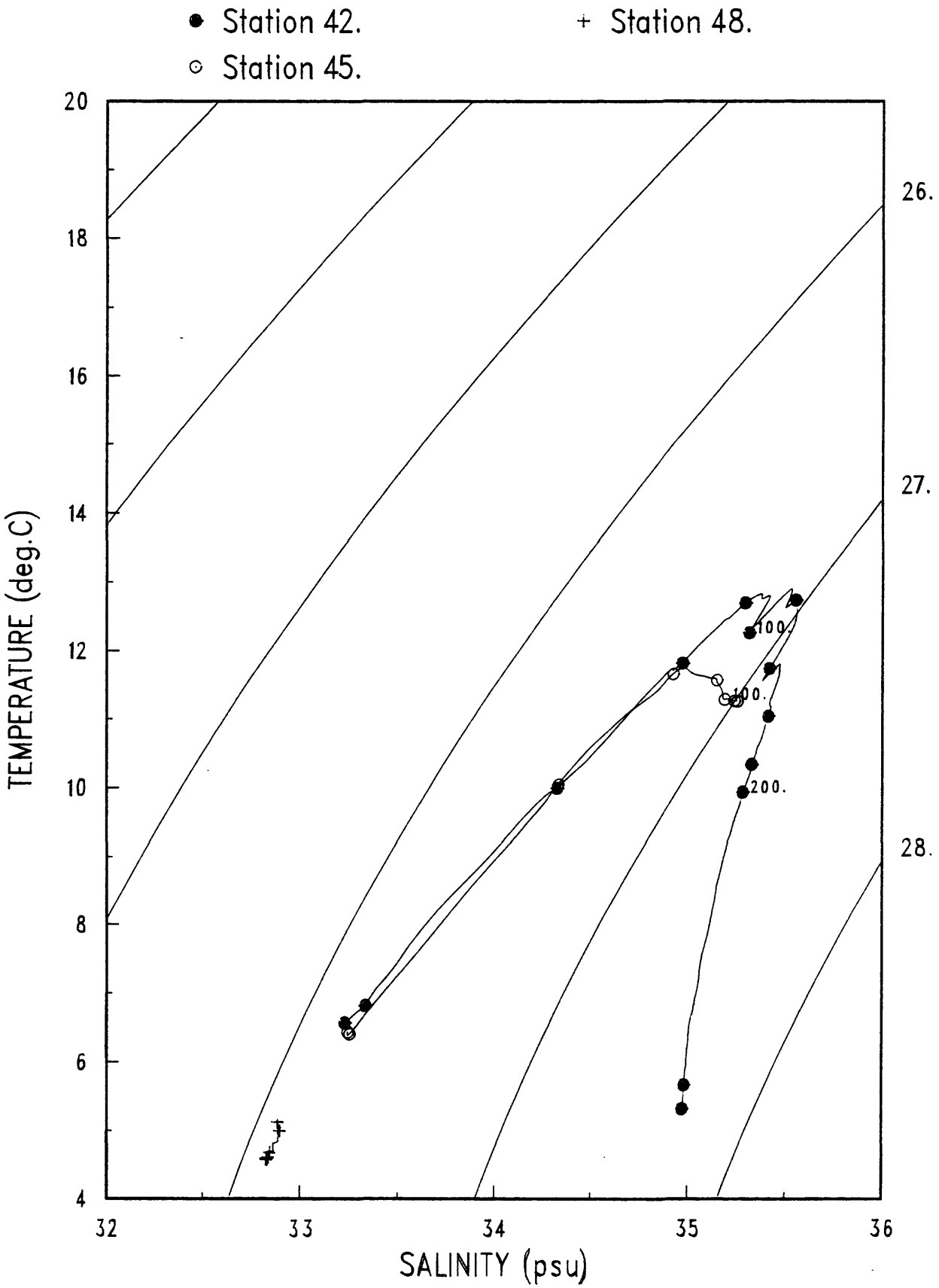
OC113--TS Diagram Section 5



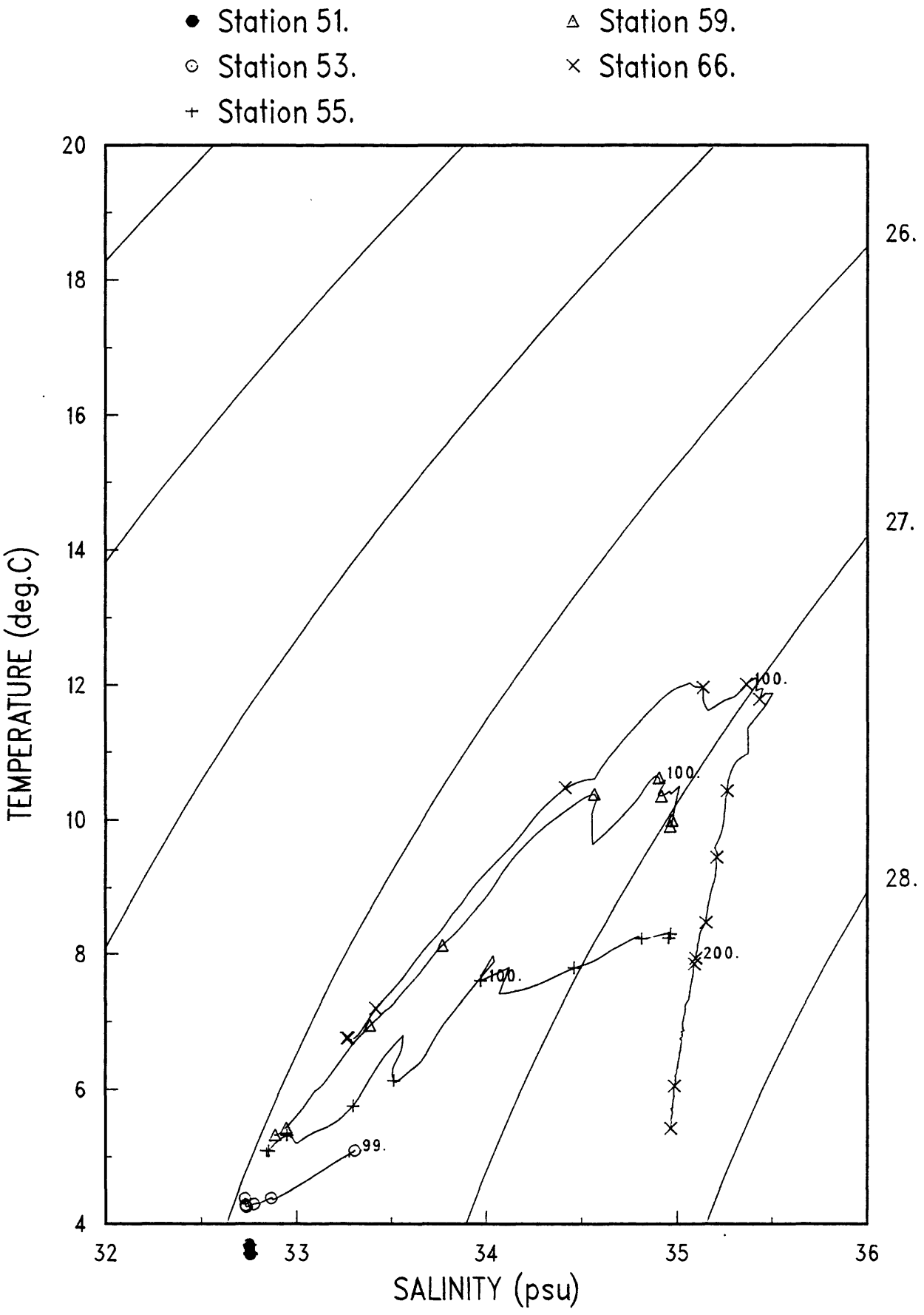
OC113--TS Diagram Section 6



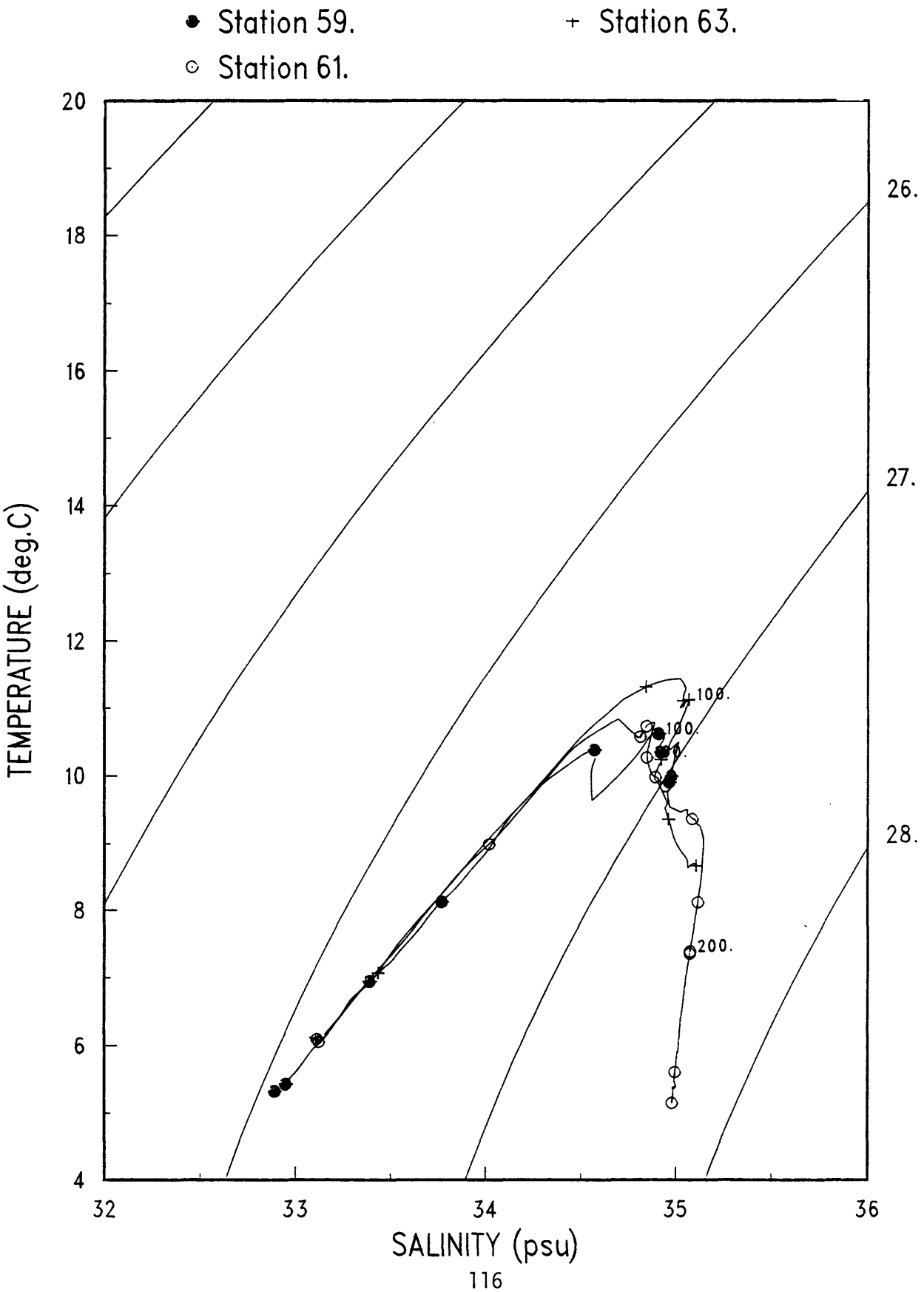
OC113--TS Diagram Section 7



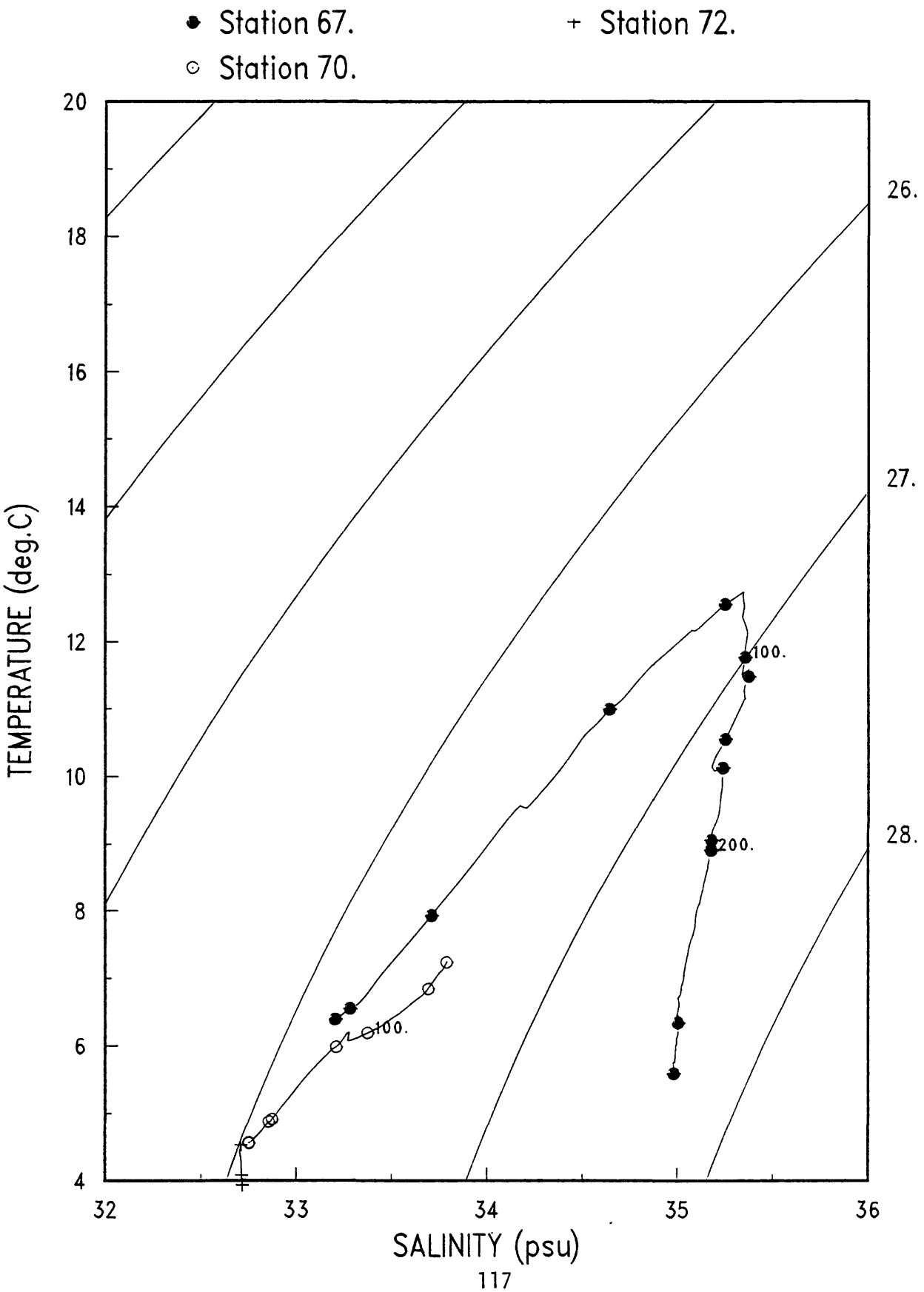
OC113--TS Diagram Section 8



OC113--TS Diagram Section 9



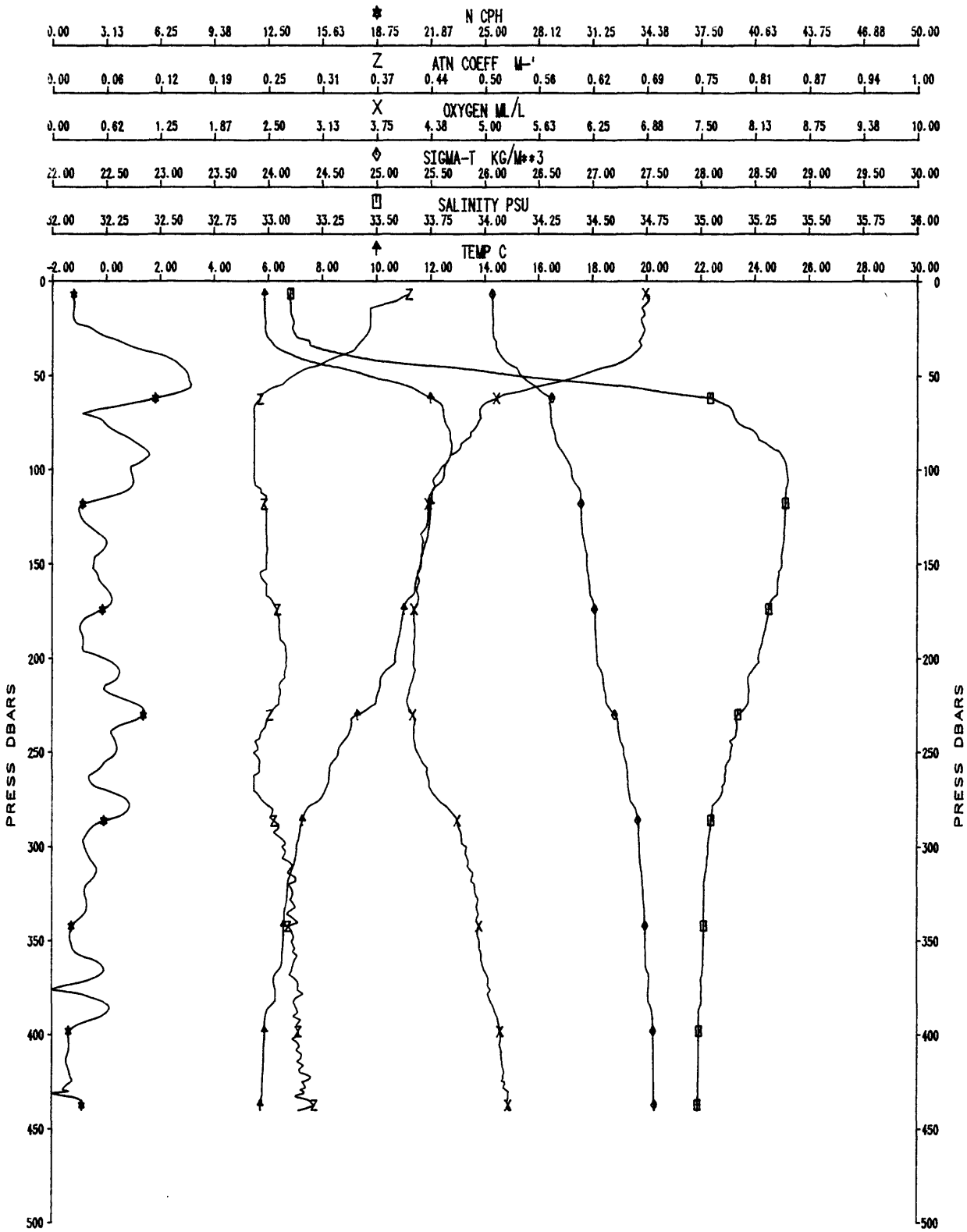
OC113--TS Diagram Section 10



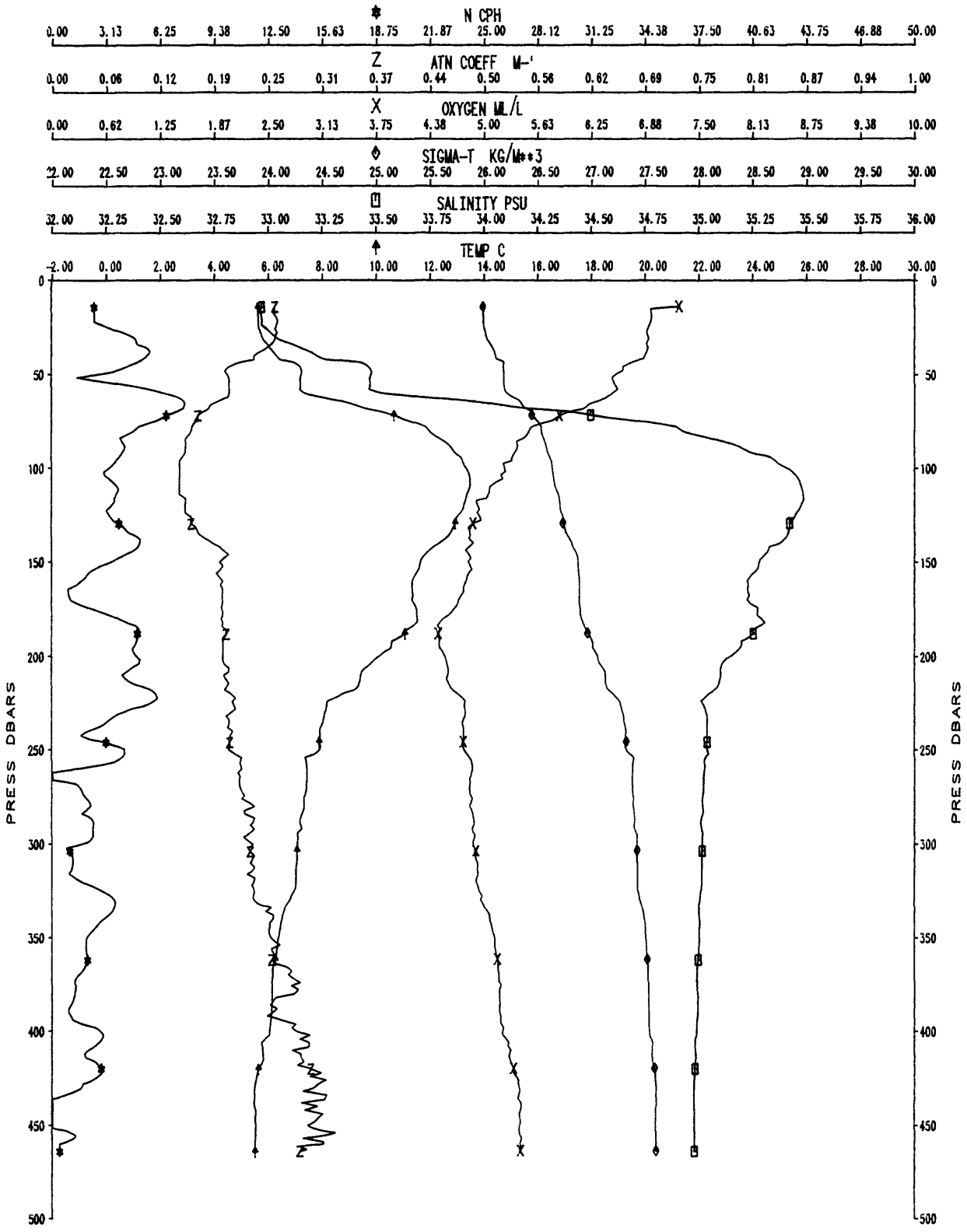
Station profiles

Vertical profiles of temperature, salinity, sigma-t, oxygen, attenuation coefficient, and Brunt-Vaisala frequency at each station are shown in figures 53-123. The profiles are drawn using the 2-dbar-averaged data; at approximately 10 dbars above the bottom, the averaging interval becomes 1 dbar. The data are listed in Appendix I. The different symbols used to distinguish variables are shown on each variable axis. XBT profiles are limited to 500 m. The units of salinity are practical salinity units (psu) and are defined by Lewis (1980). The XBT for stations 60 and 62 malfunctioned and there are no plot for these stations.

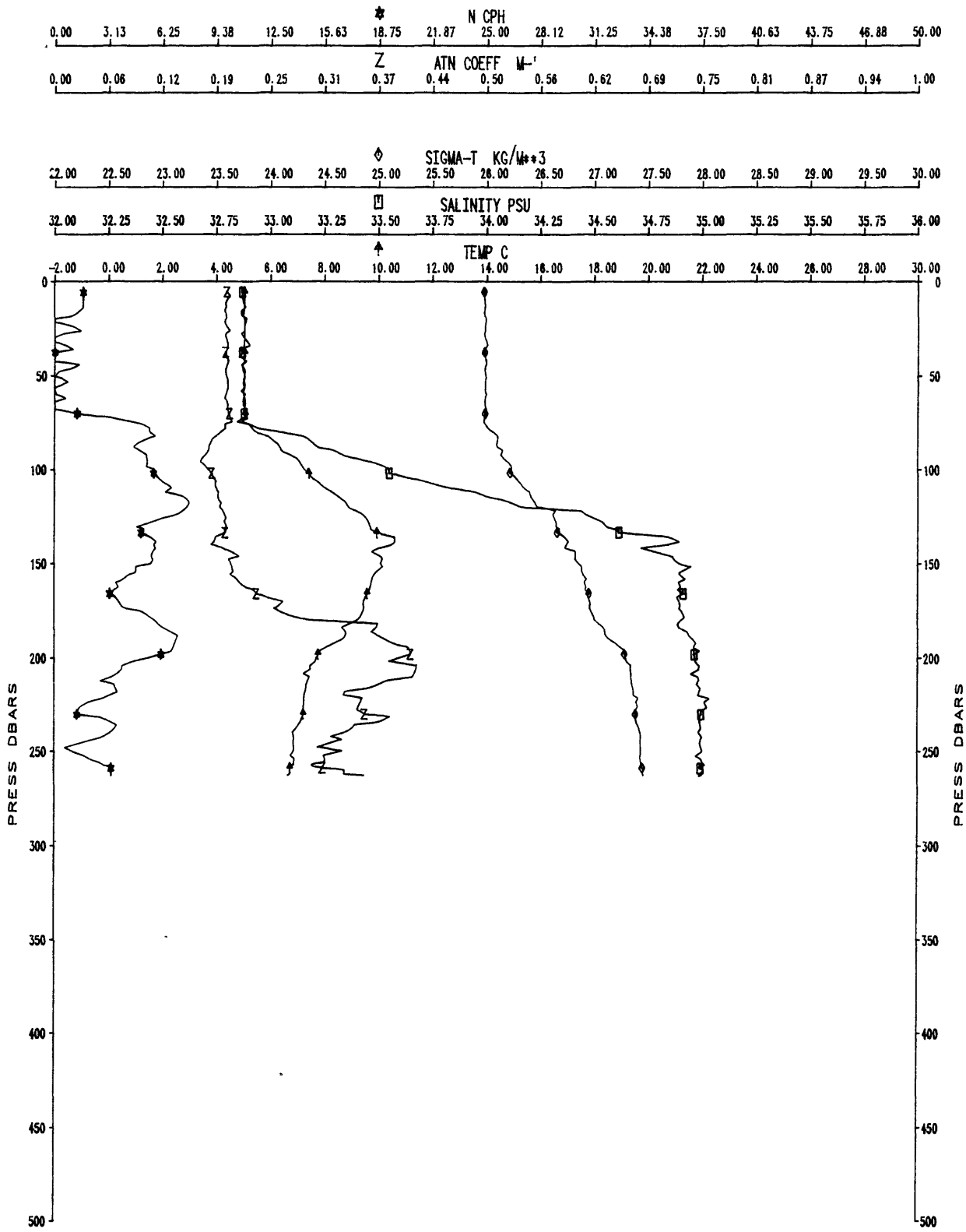
OC113A CAST #1



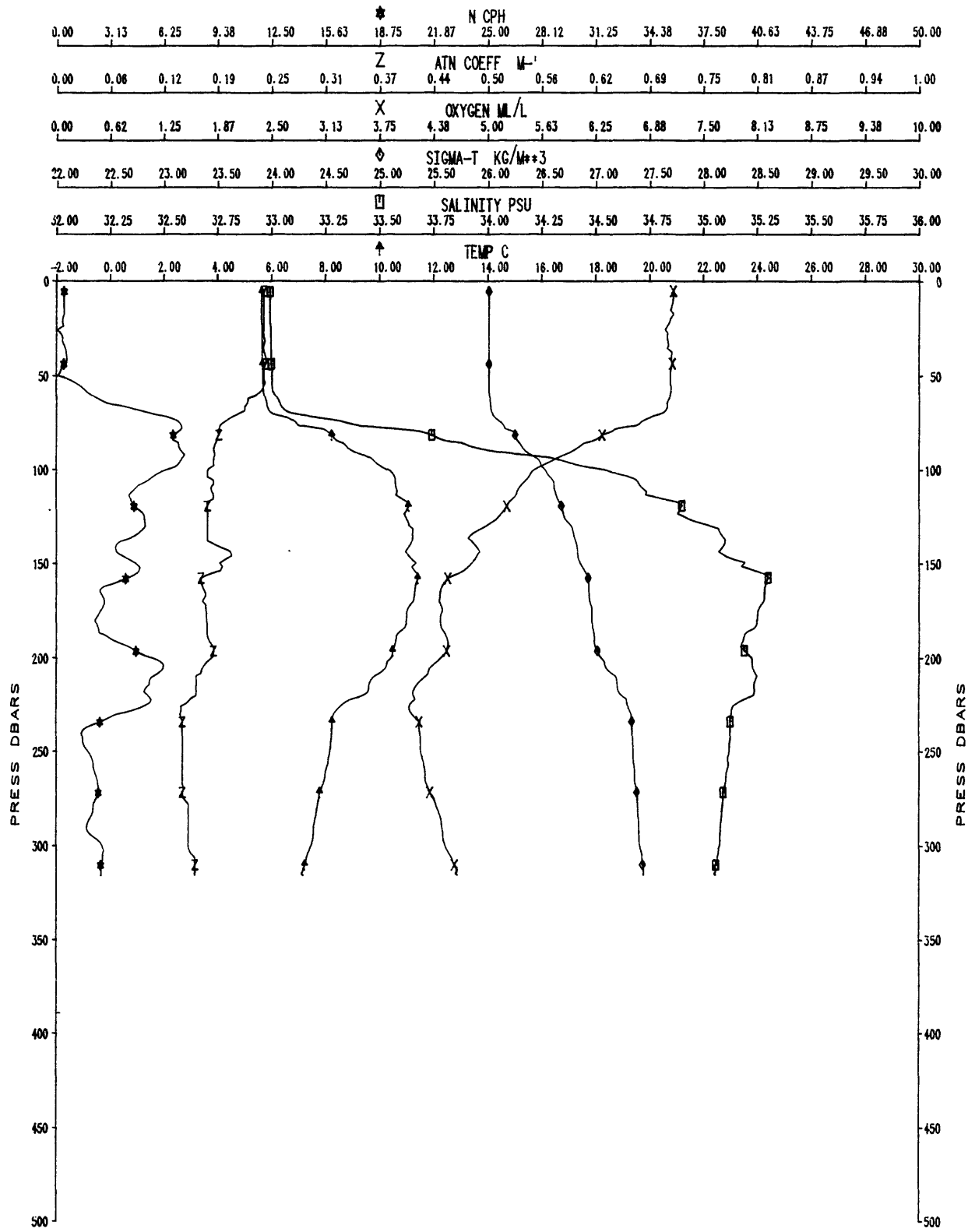
OC113A CAST #2



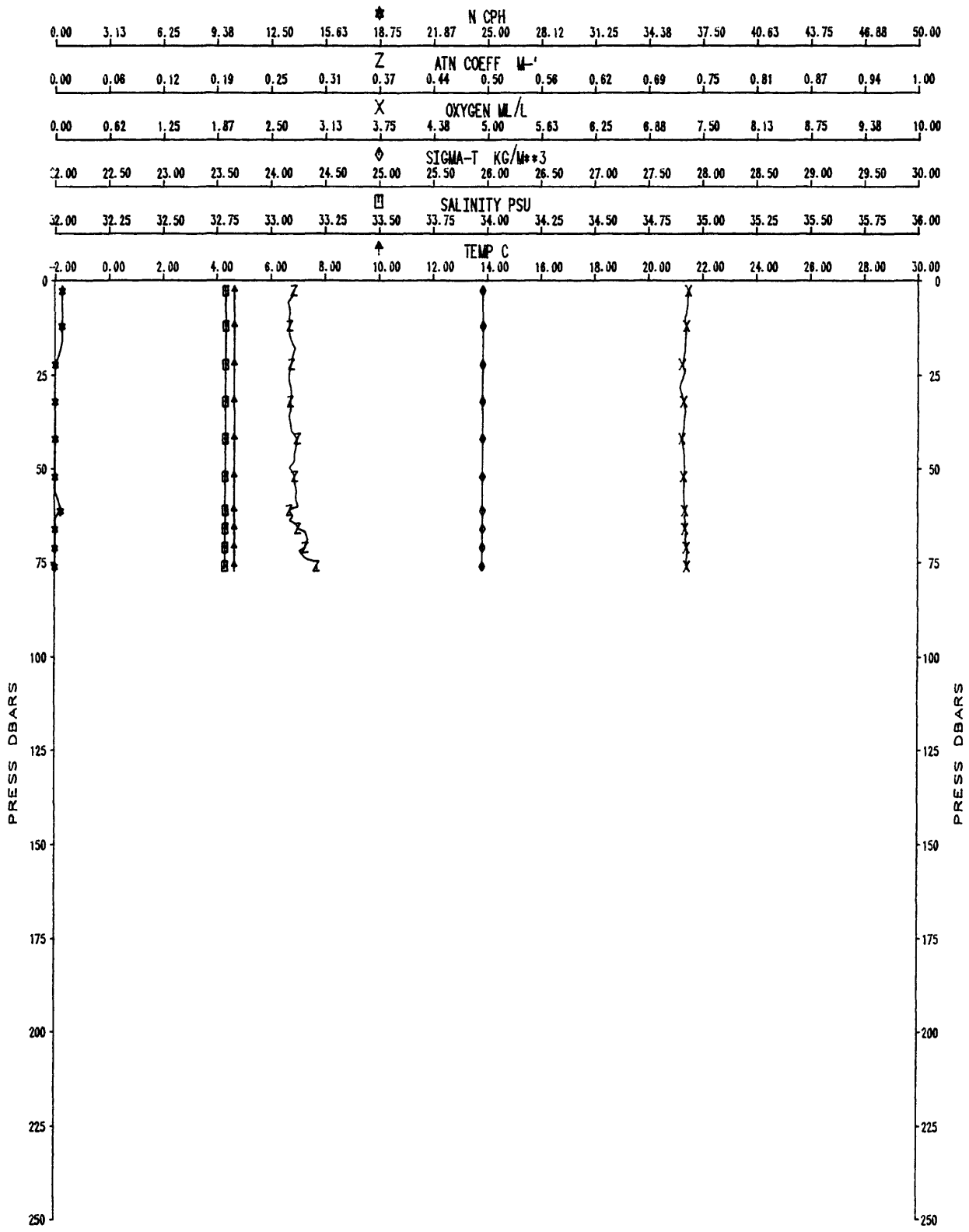
OC113B CAST #3

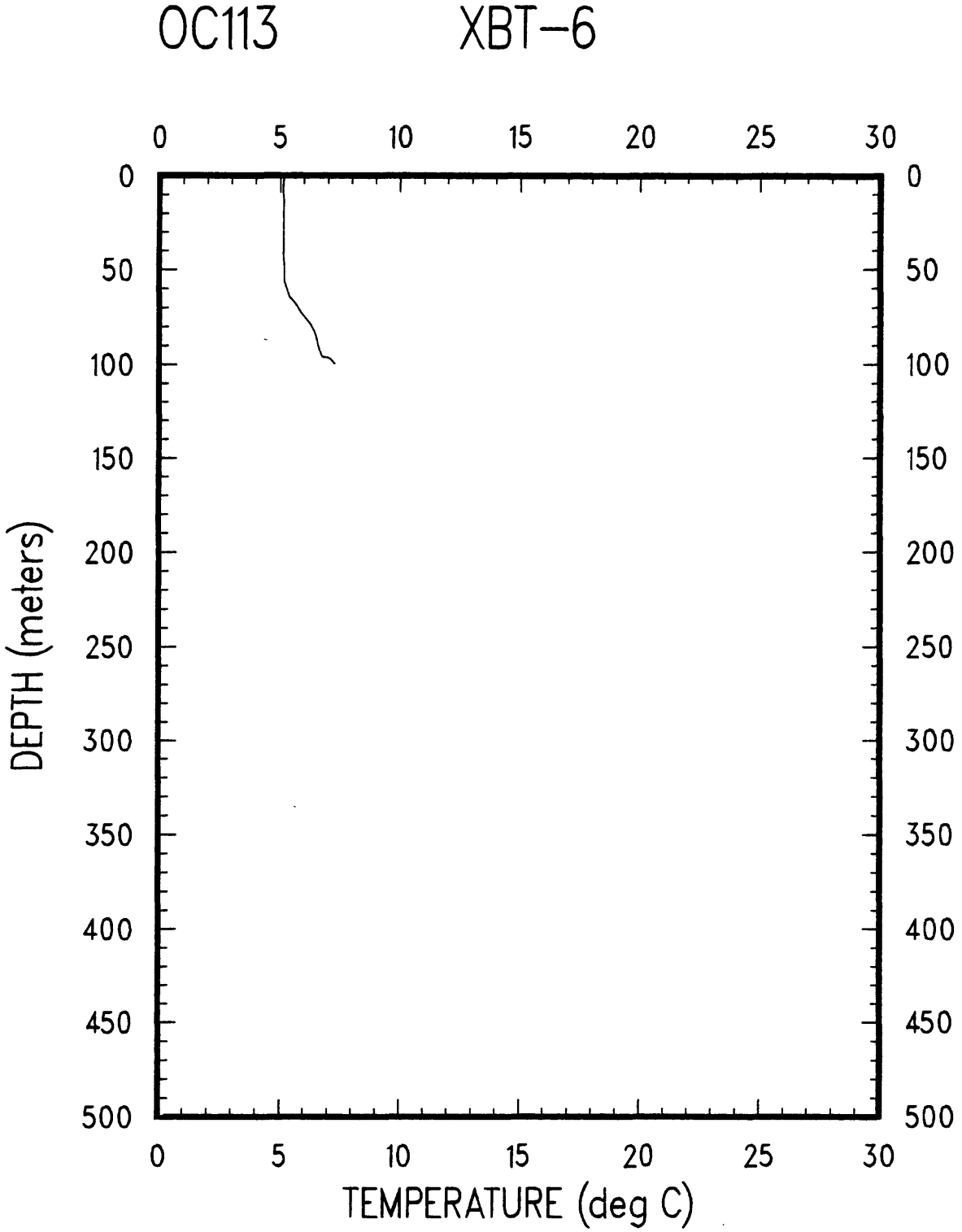


OC113B CAST #4

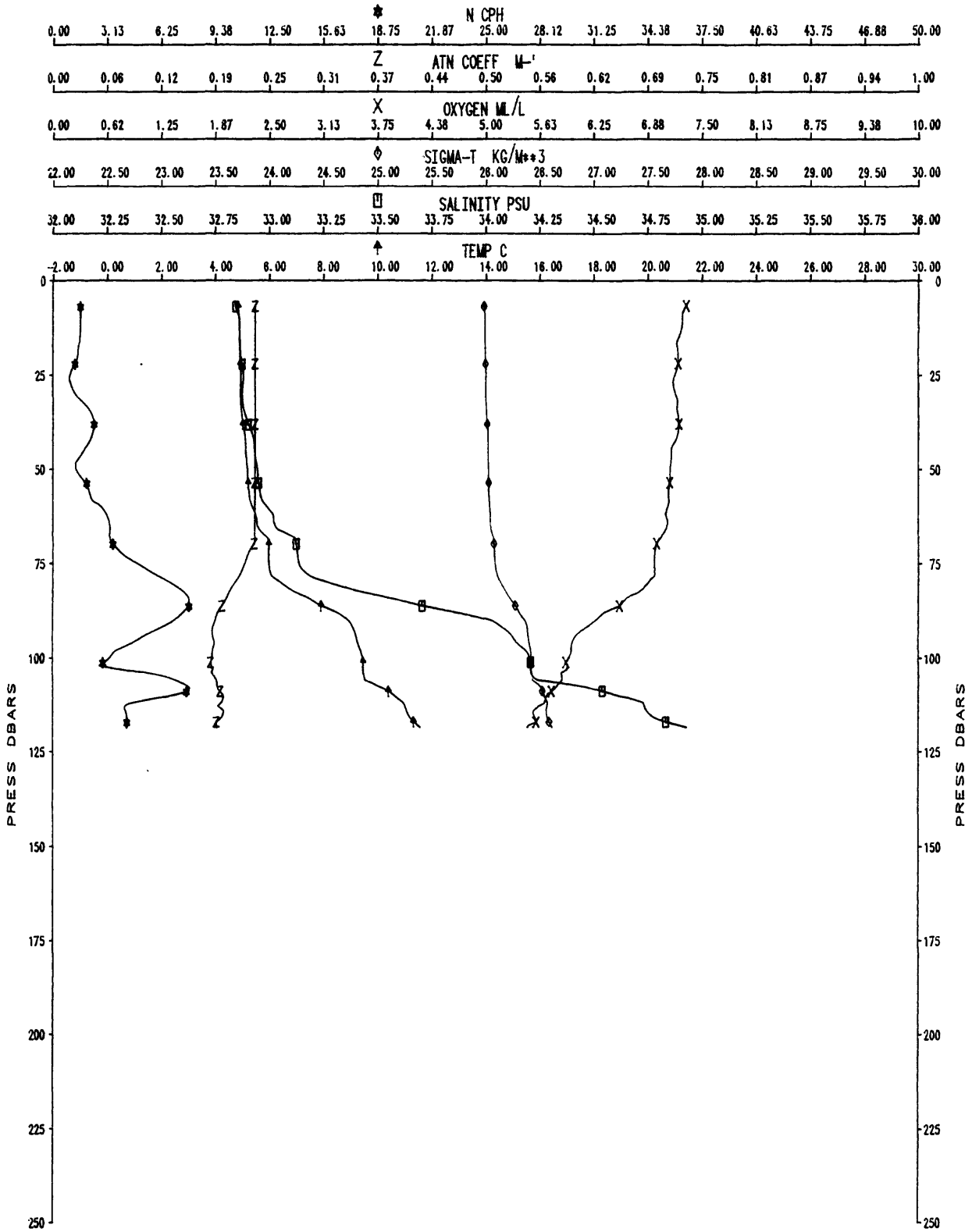


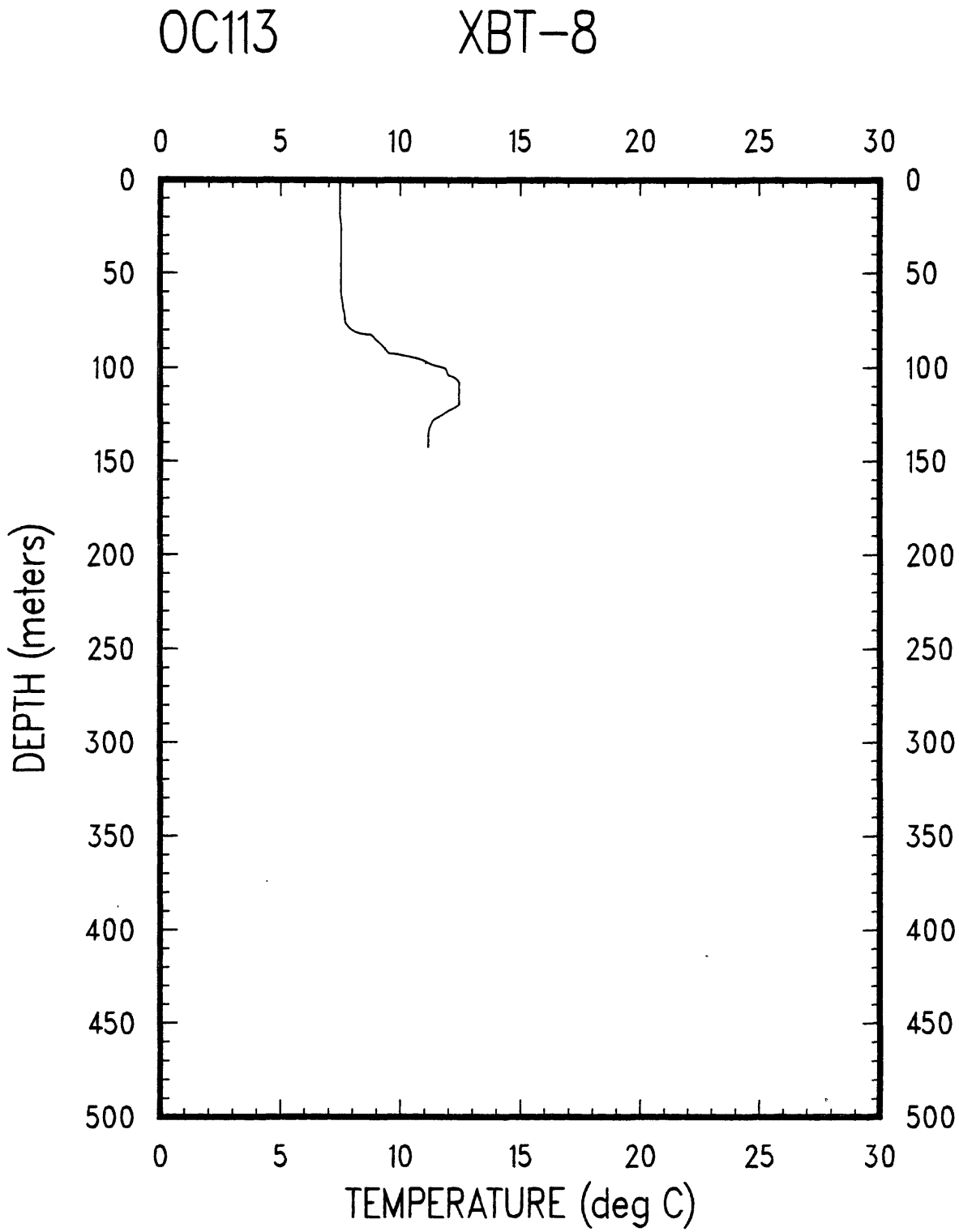
OC113A CAST #5



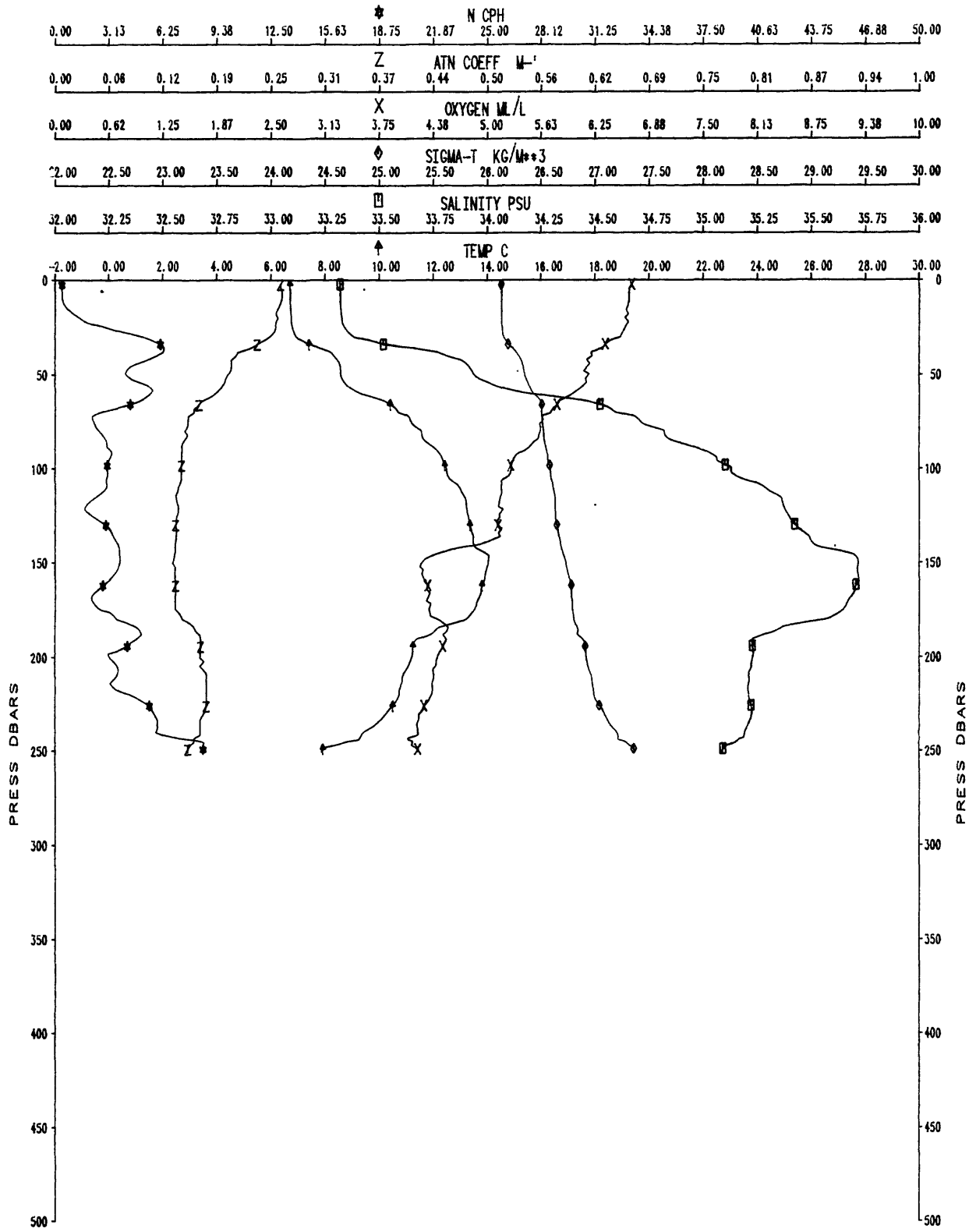

OC113
XBT-6
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

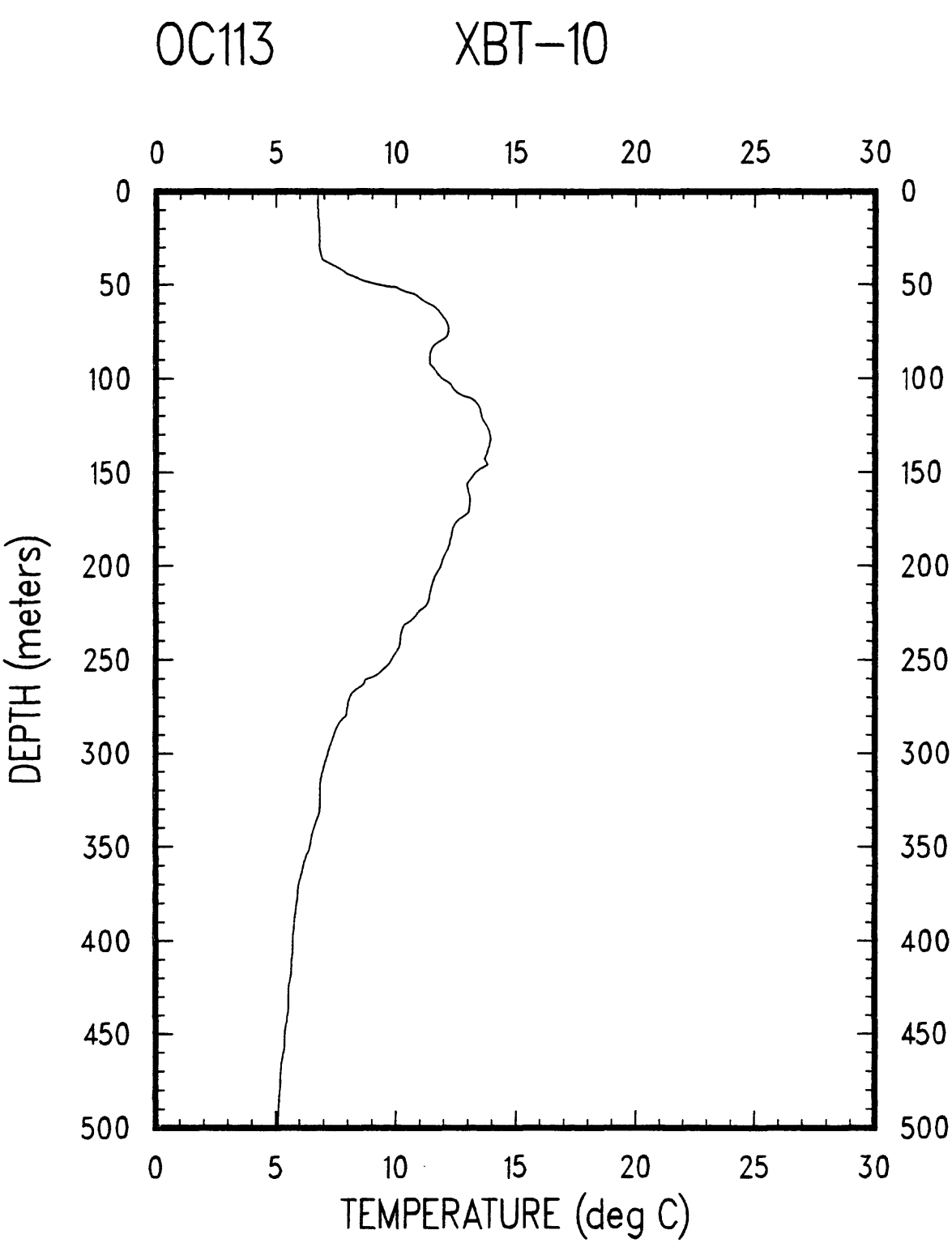
OC113A CAST #7



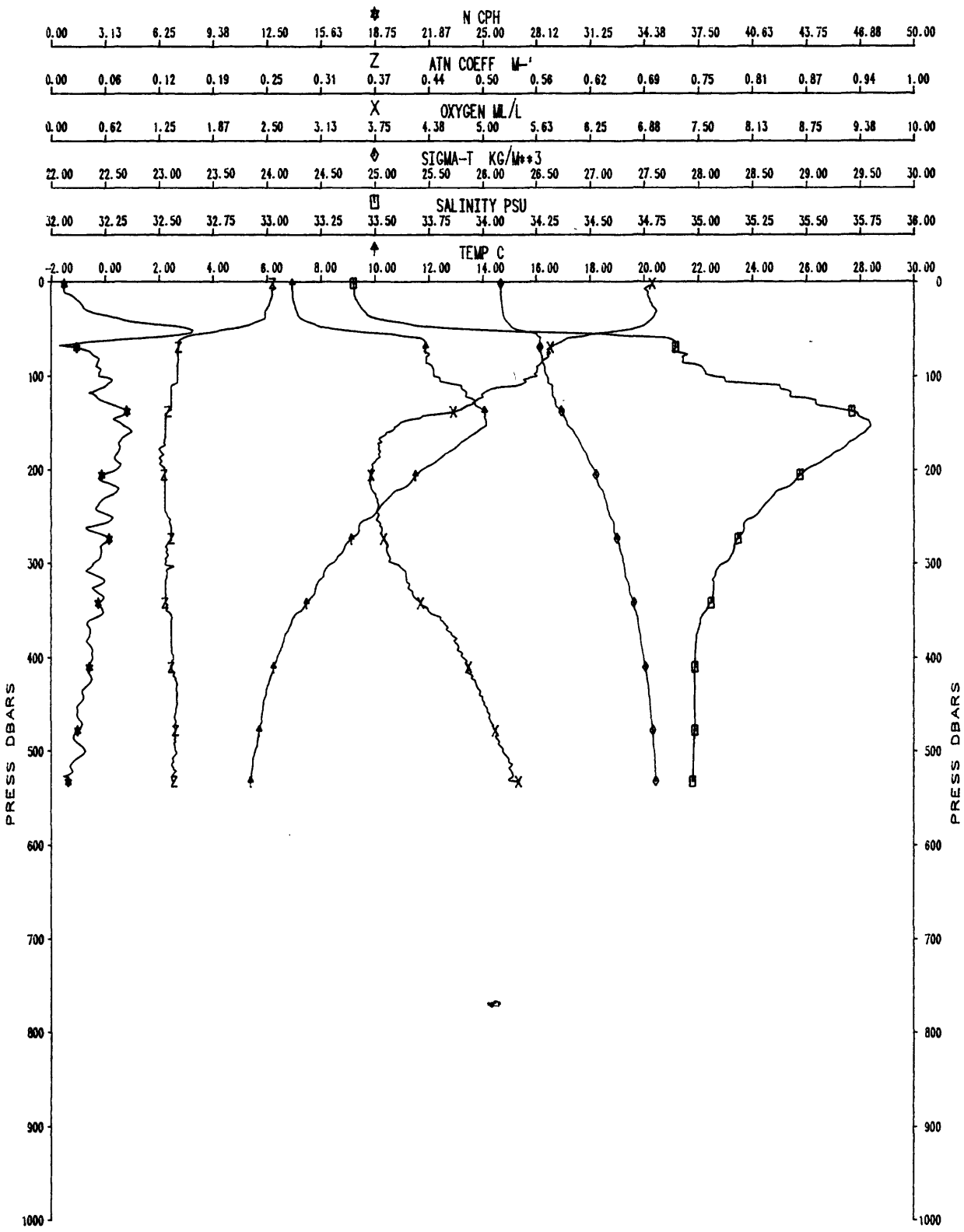

OC113 XBT-8
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

OC113U CAST #9

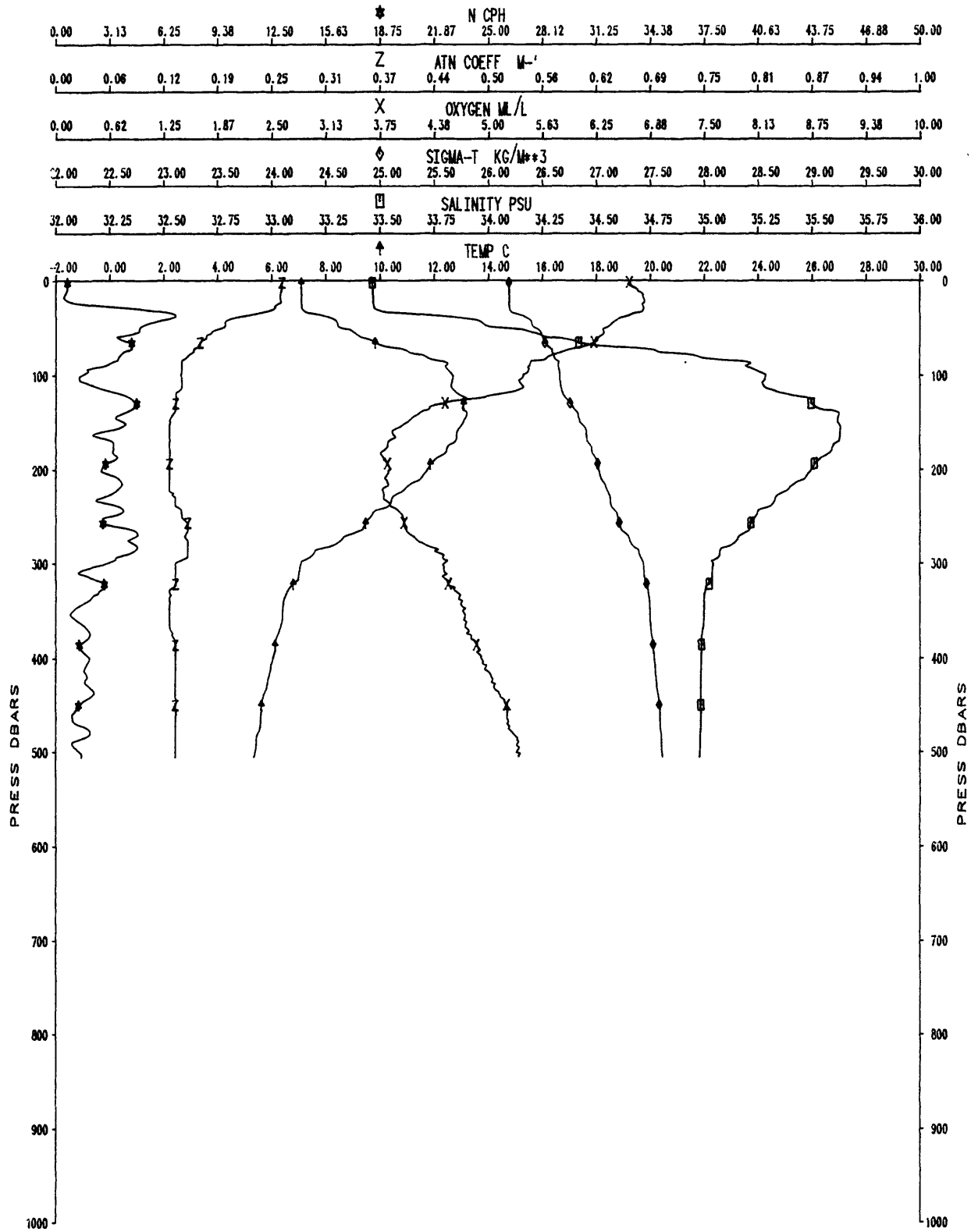


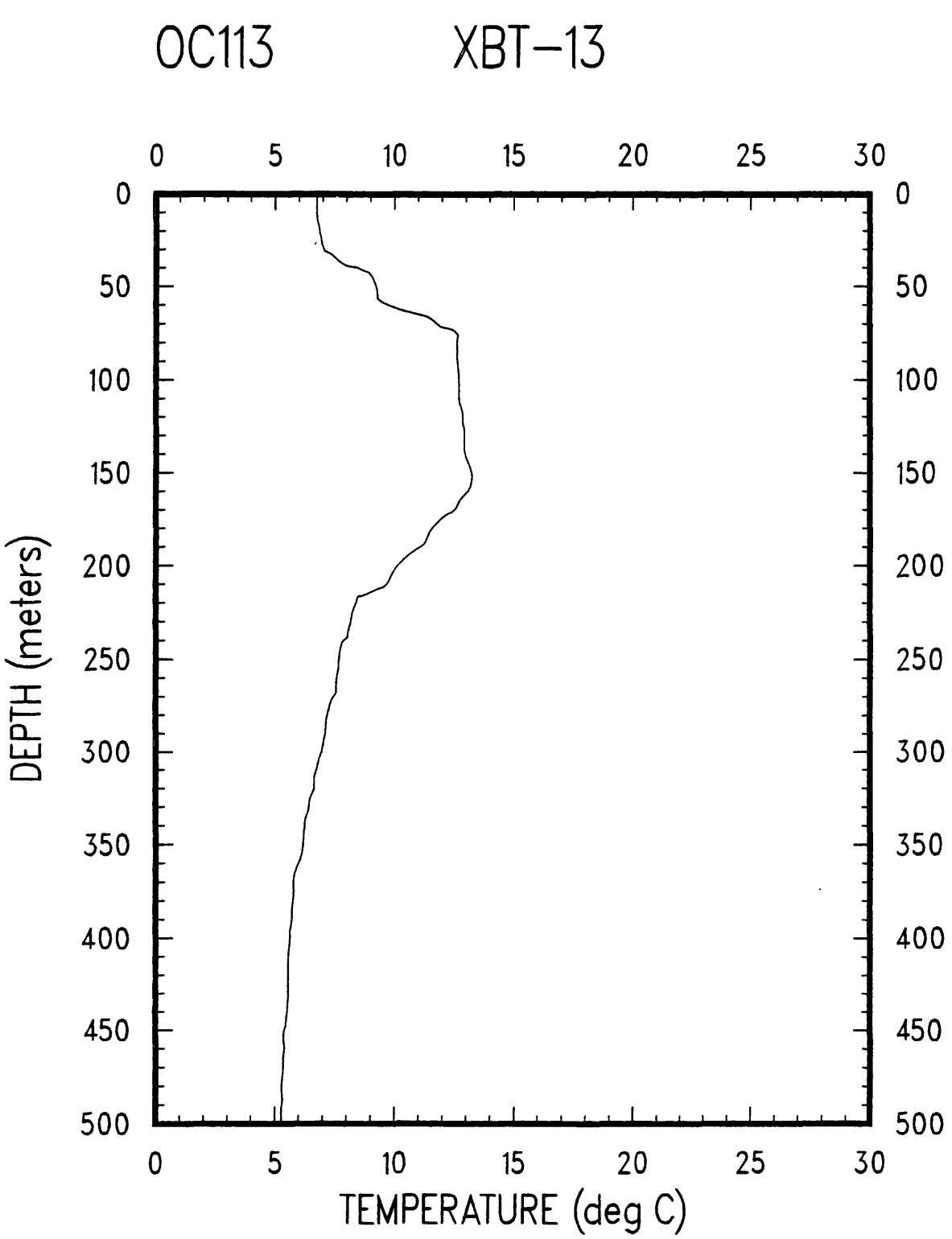

OC113
XBT-10
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

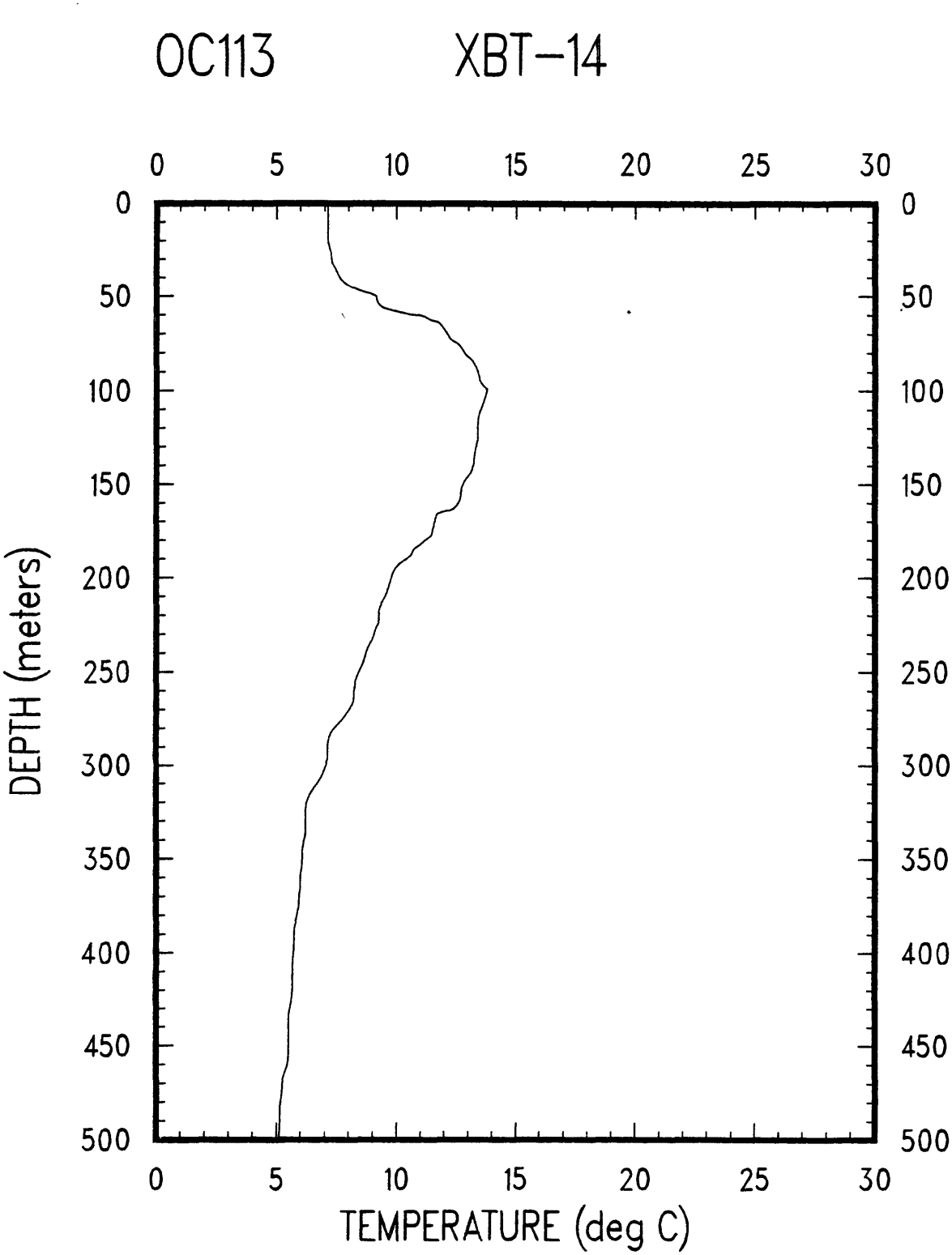
OC113A CAST #11



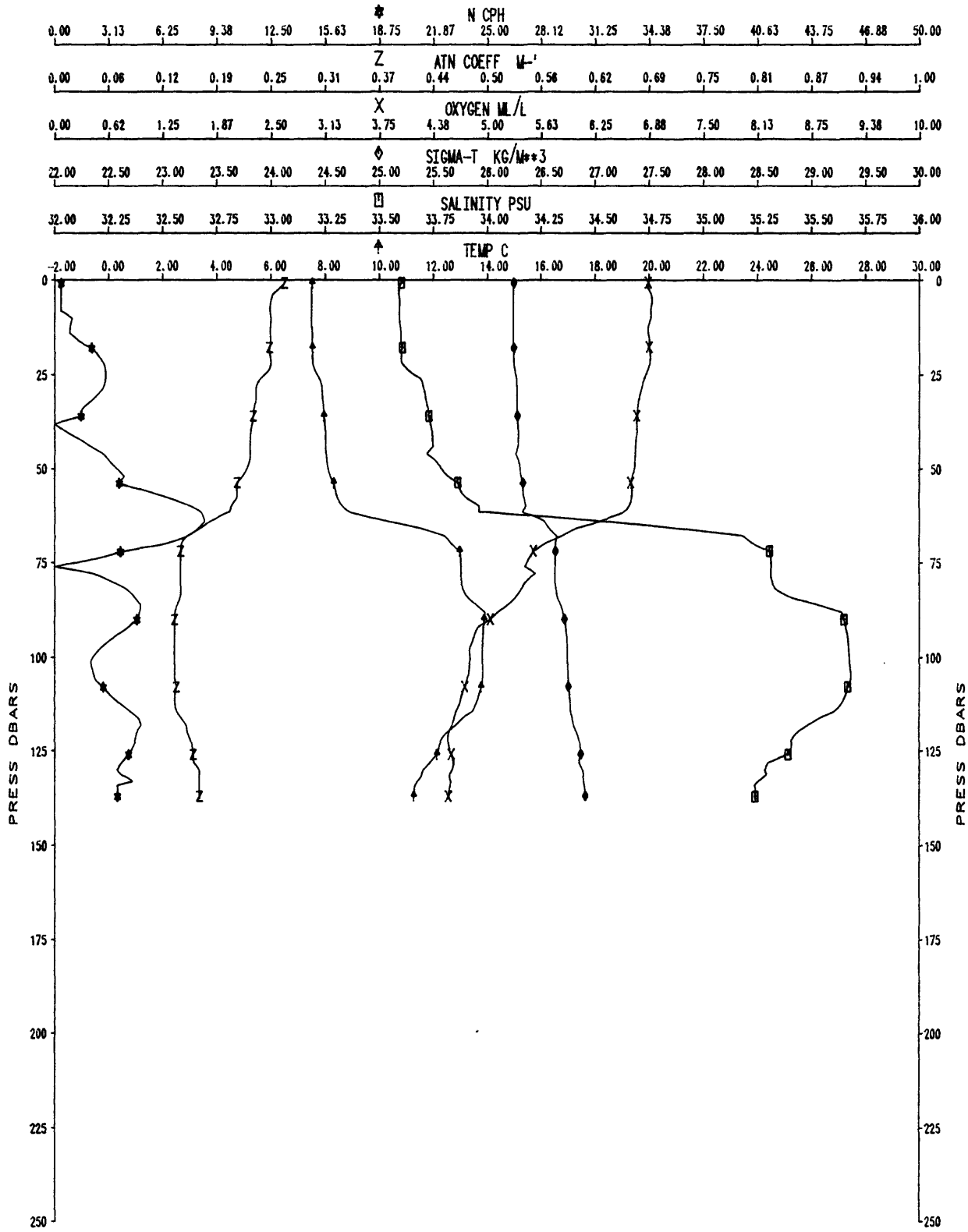
OC113A CAST #12



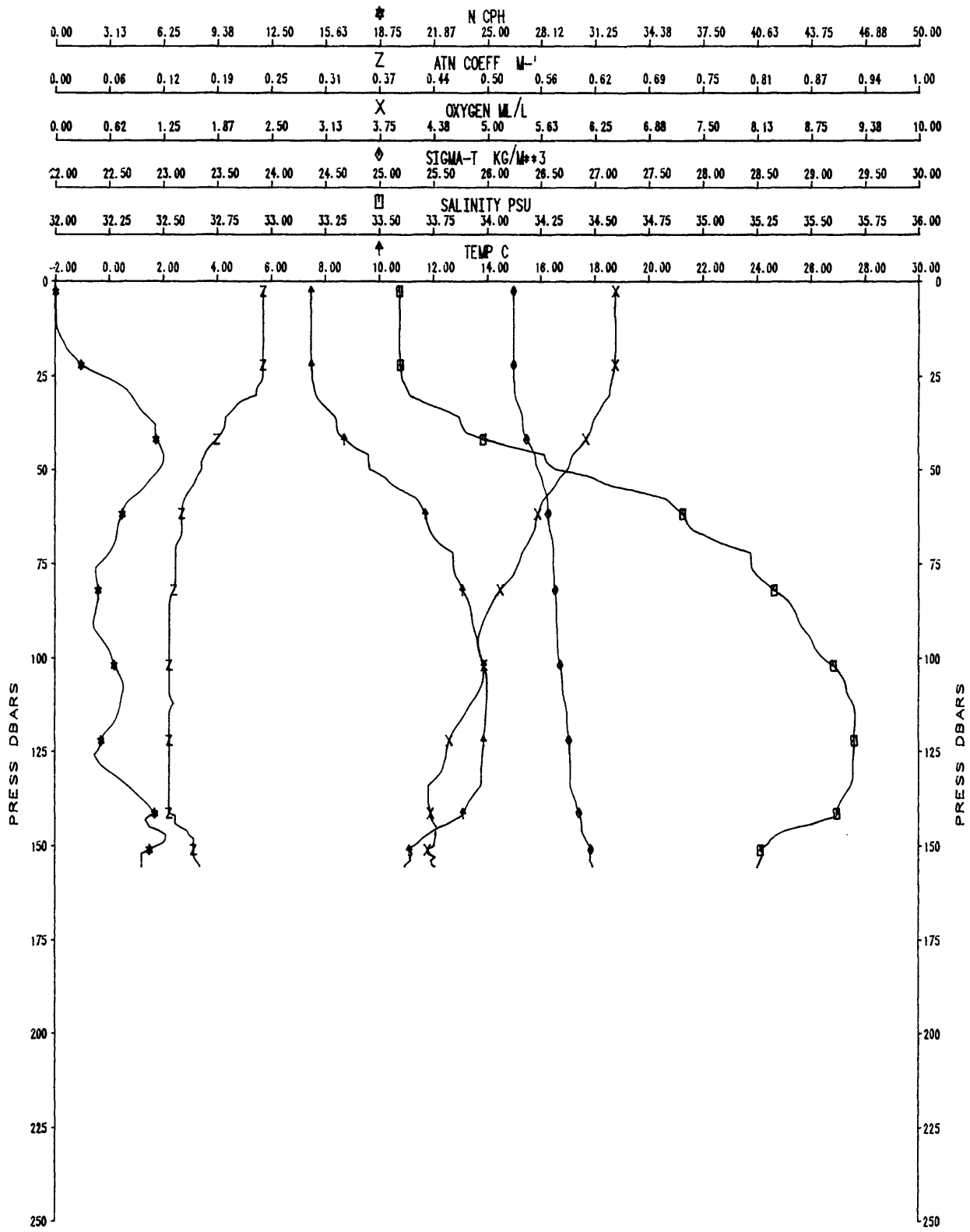

OC113
XBT-13
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC113
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)

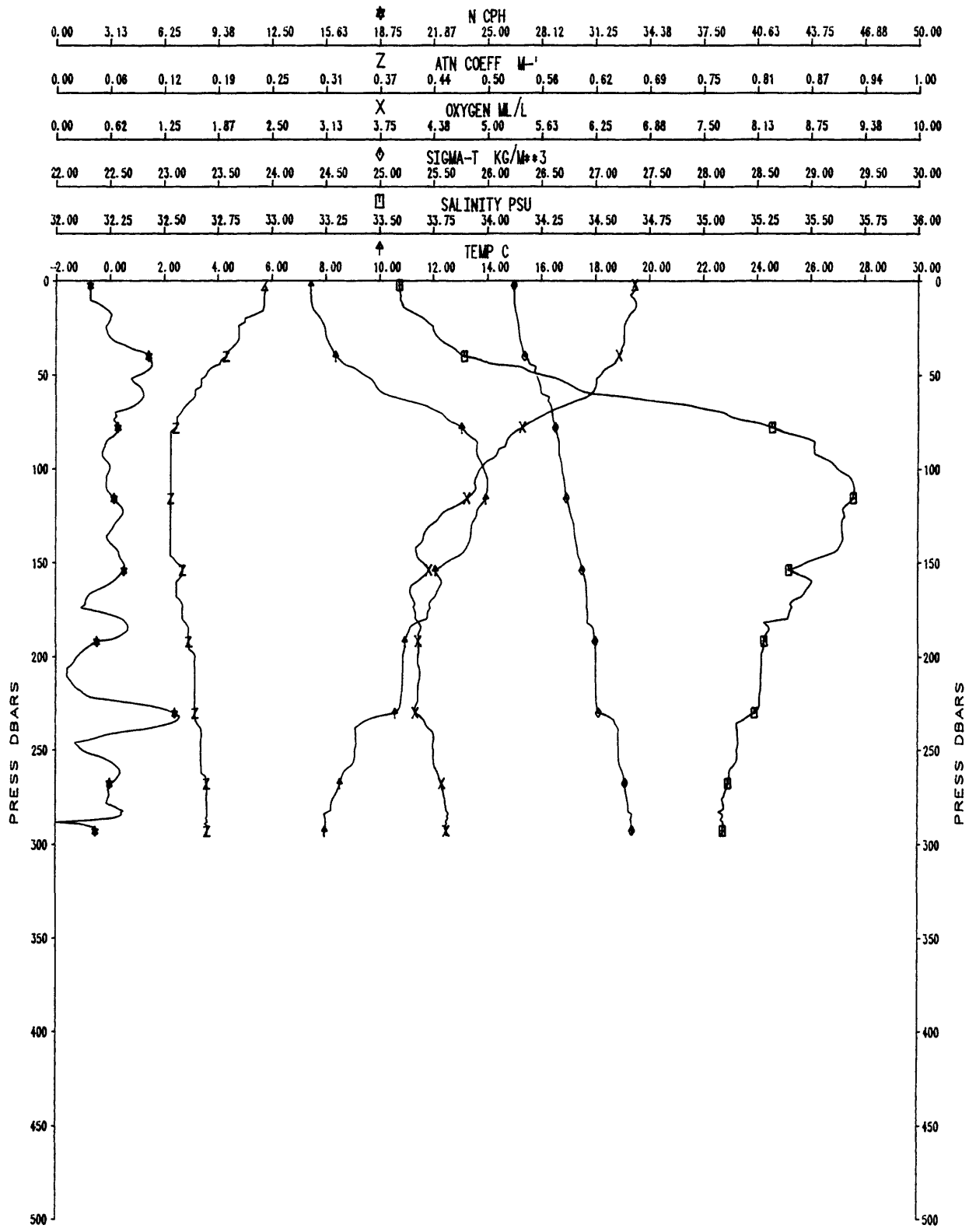
OC113A CAST #15



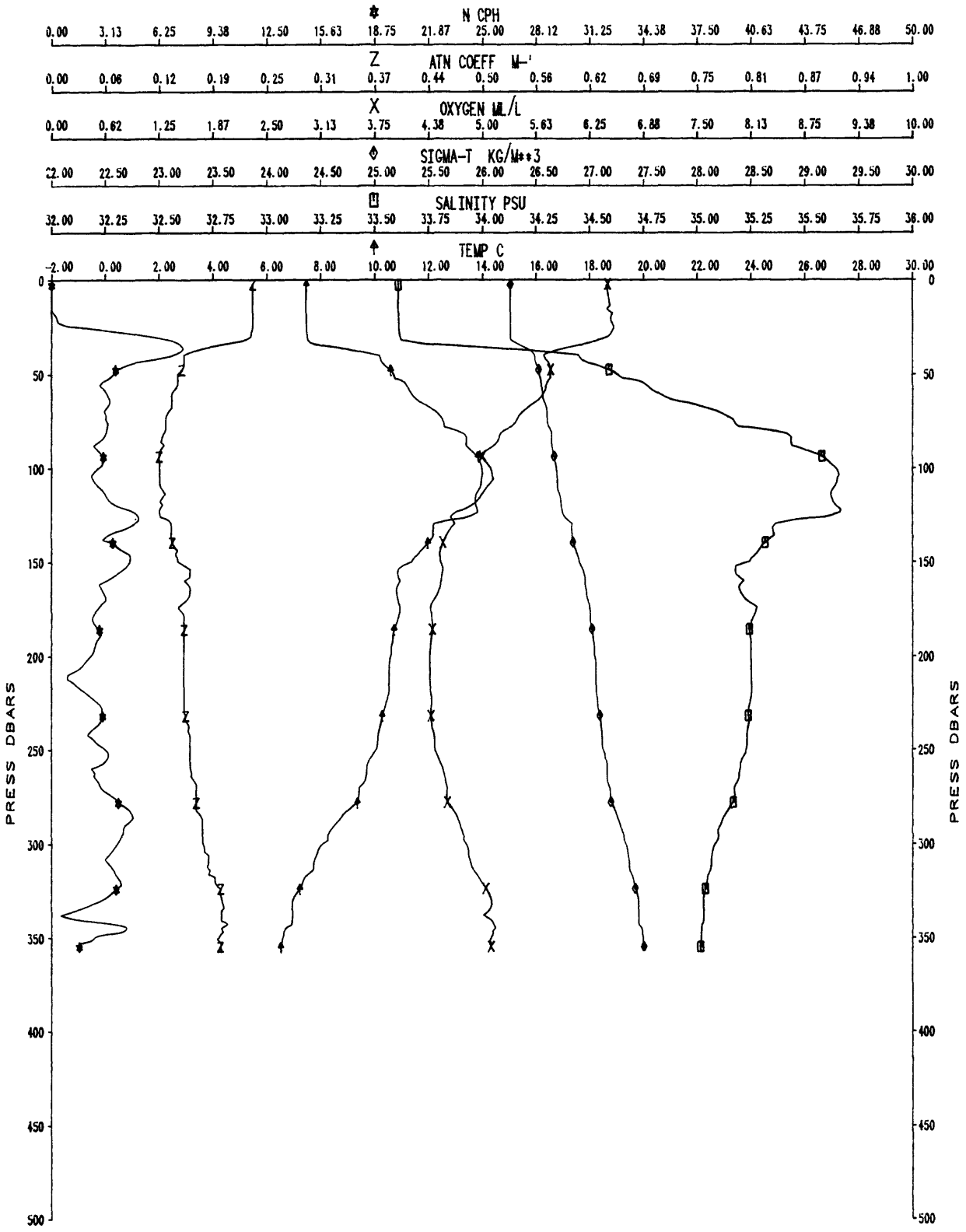
OC113B CAST #16



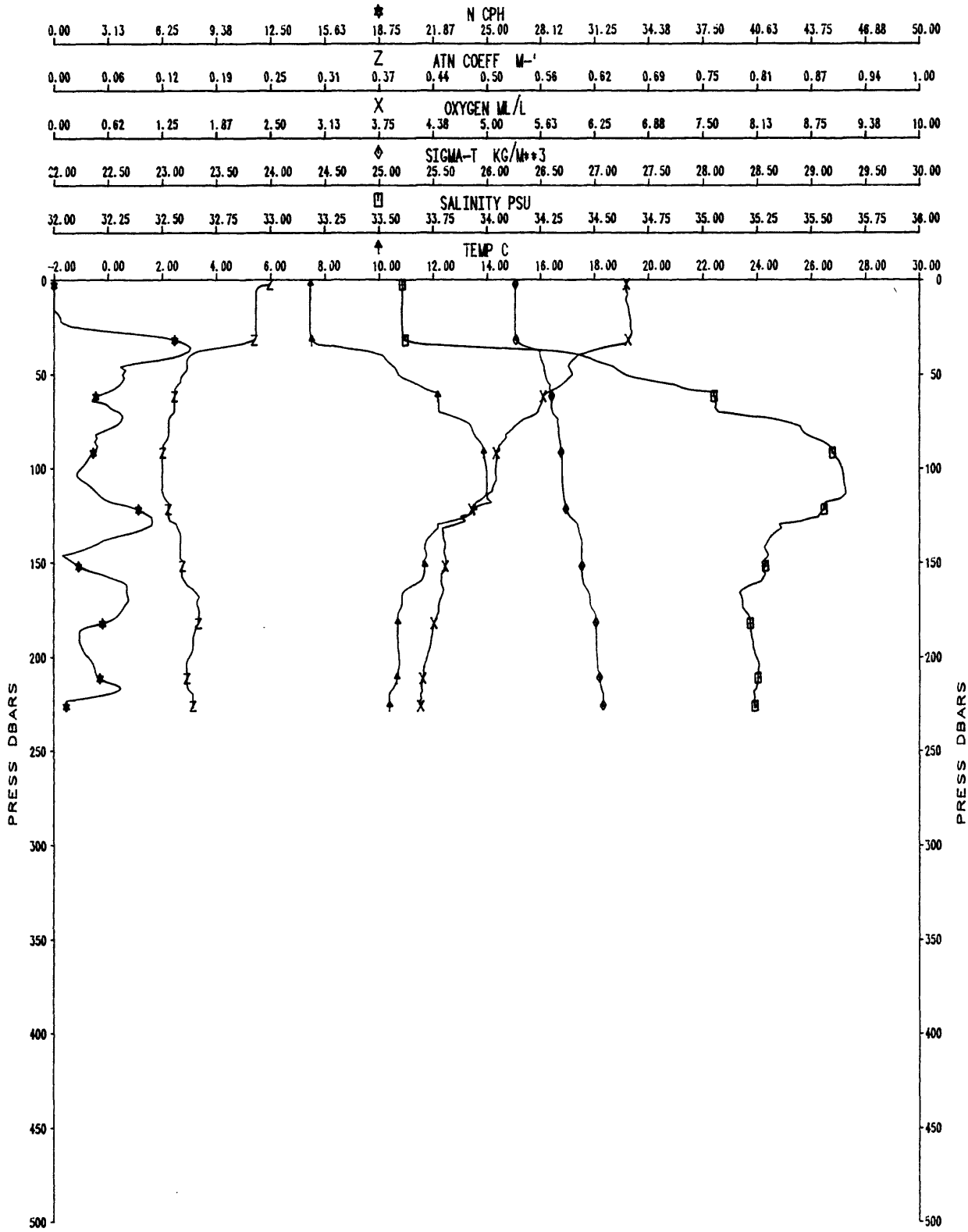
OC113A CAST #17



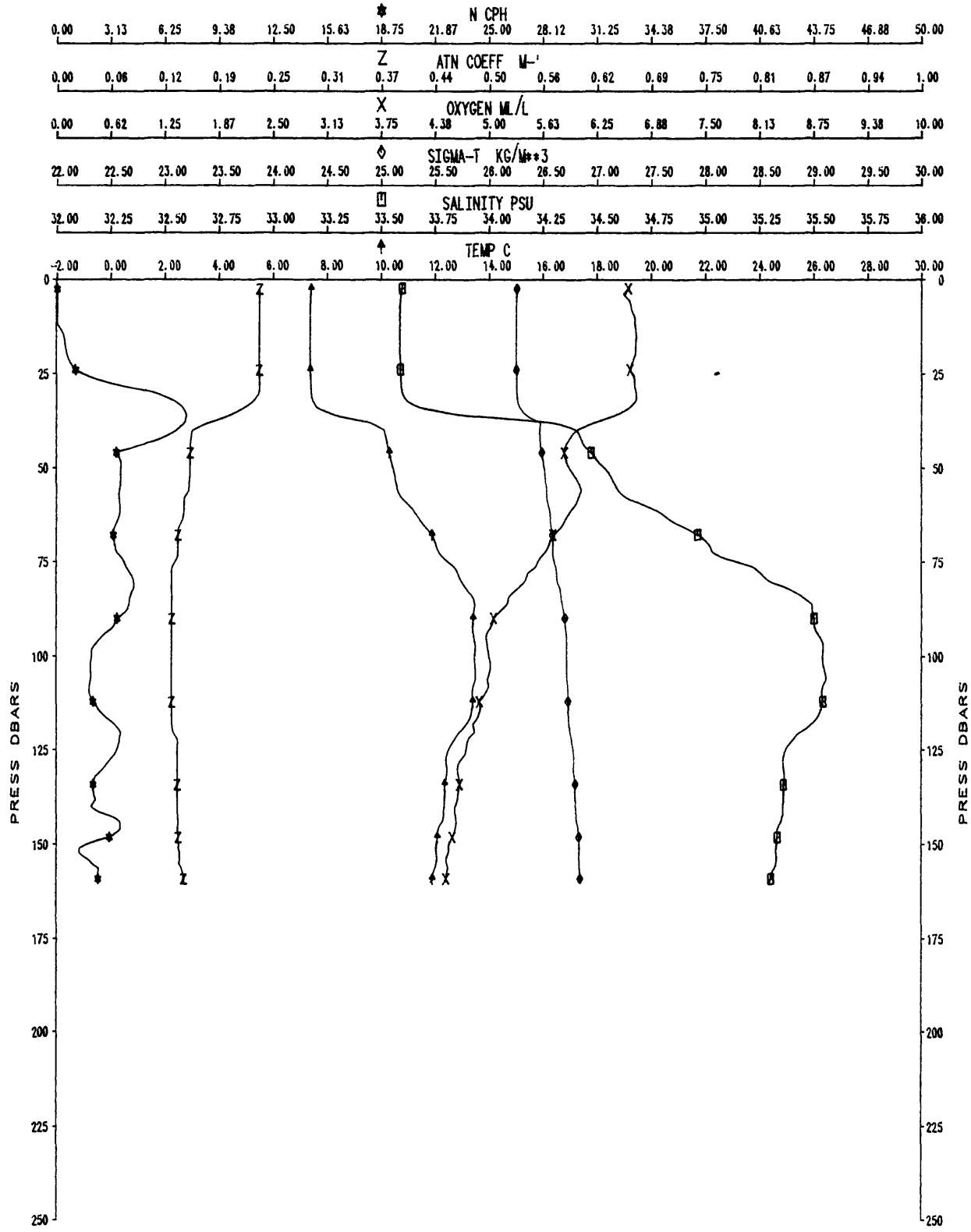
OC113U CAST #18



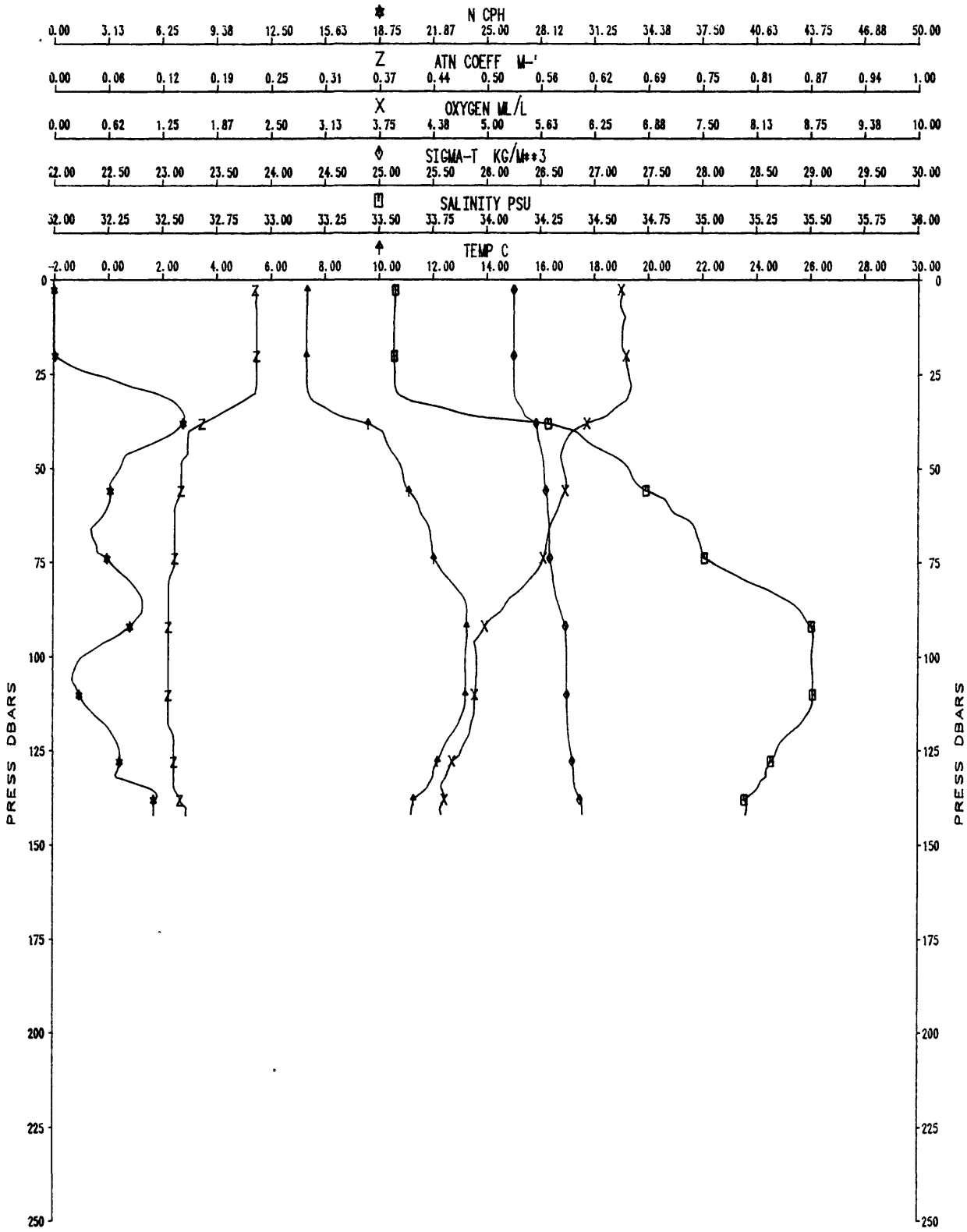
OC113A CAST #19



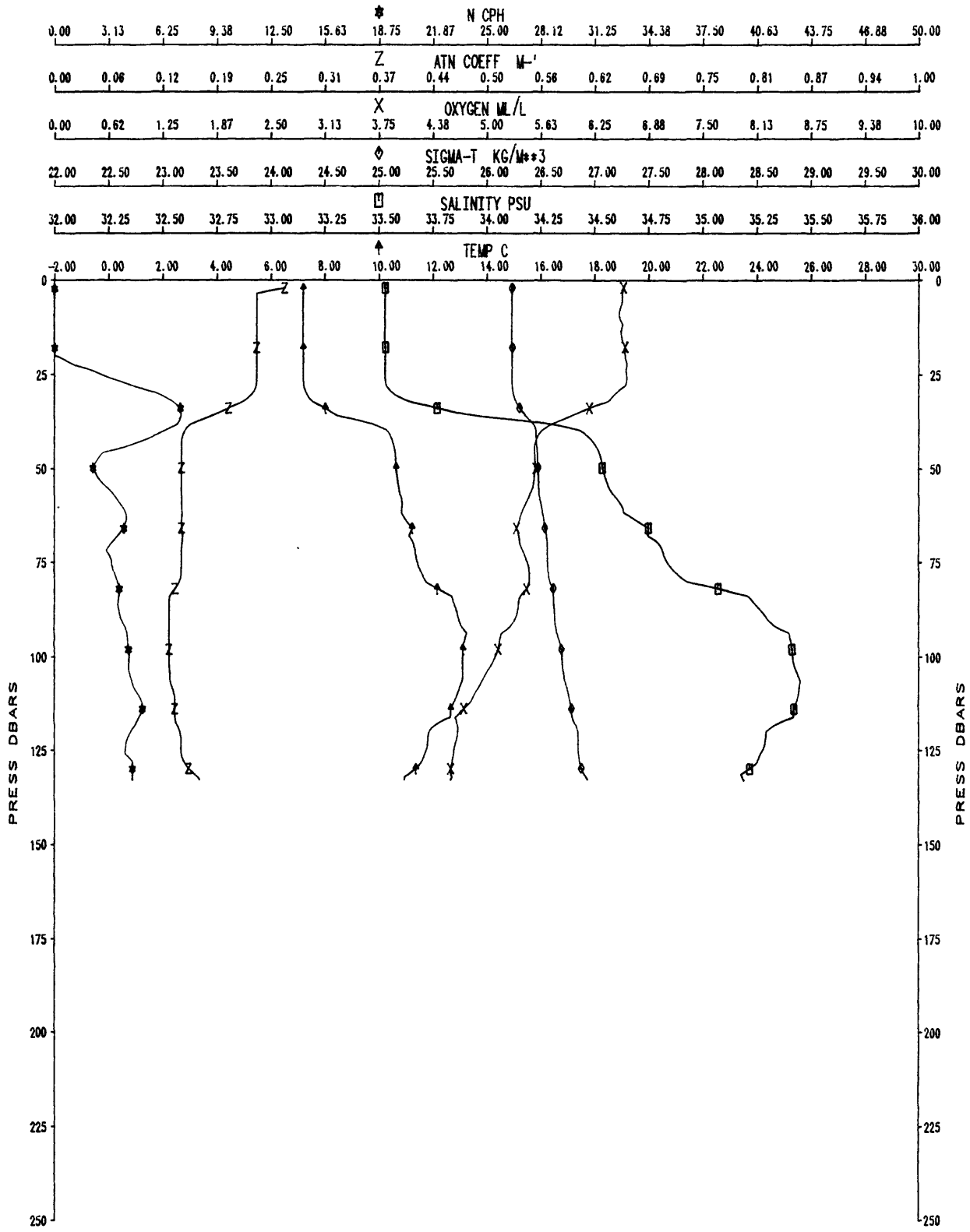
OC113A CAST #20

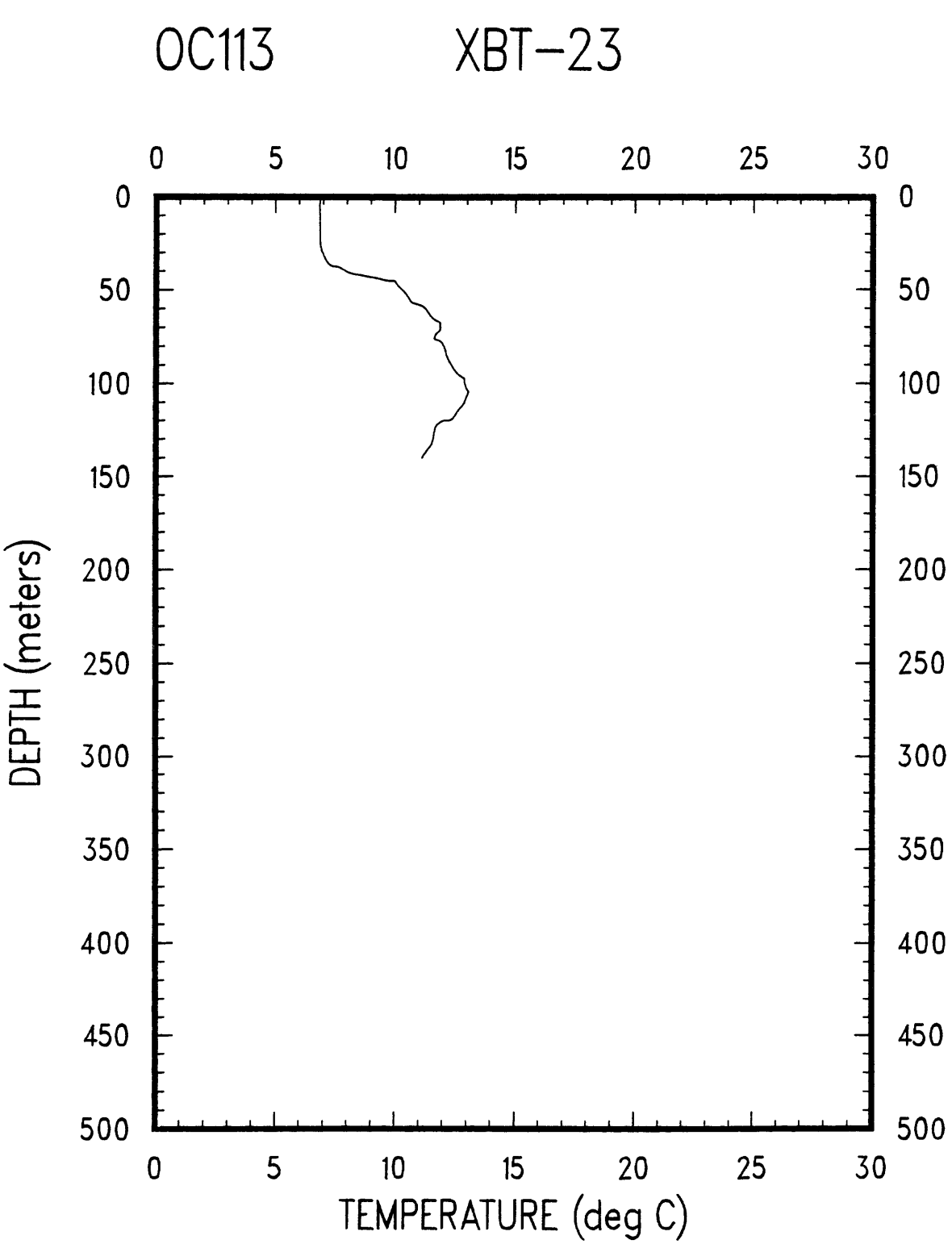


OC113A CAST #21

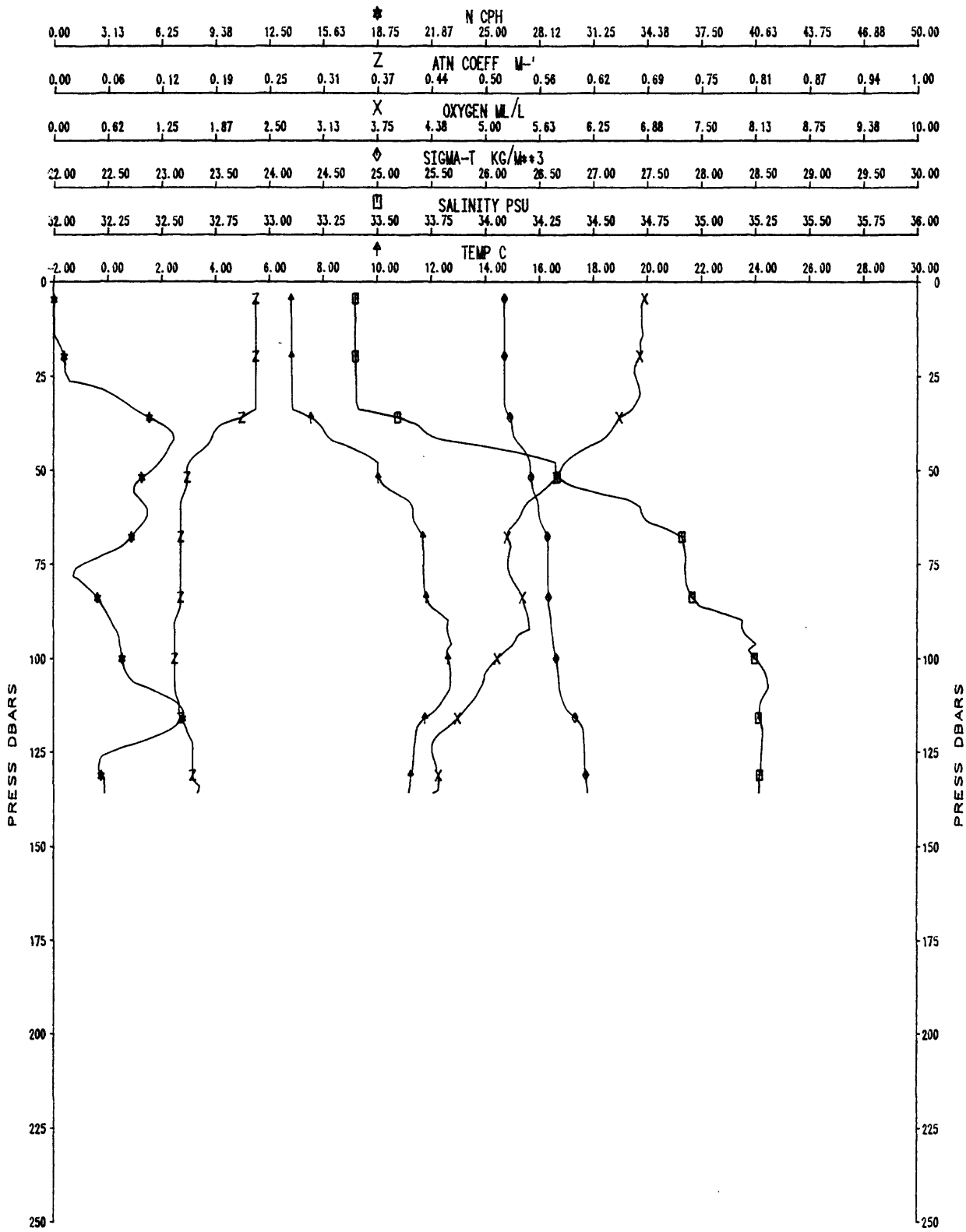


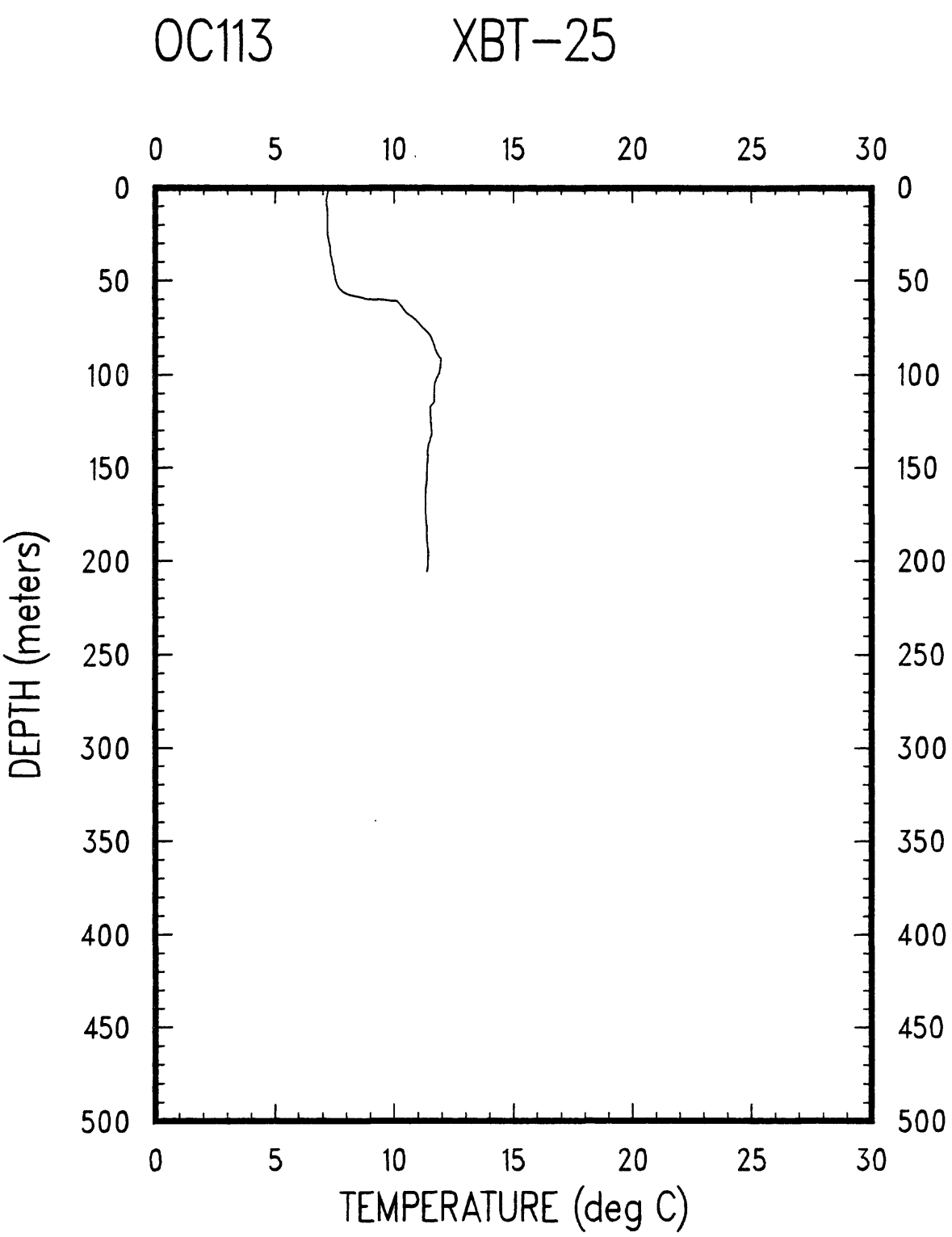
OC113U CAST #22




OC113 XBT-23
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

OC113A CAST #24




OC113
XBT-25
0
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250
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350
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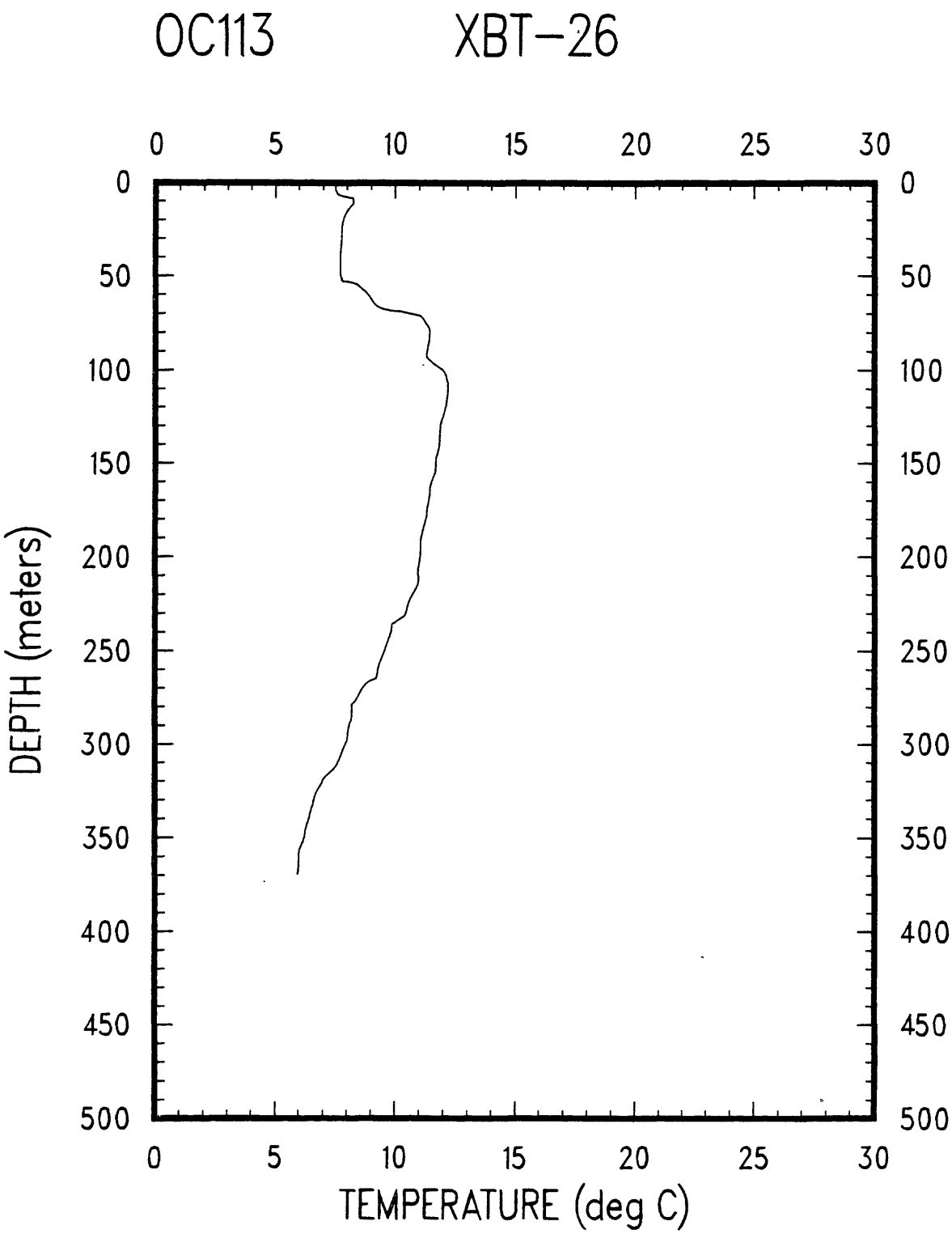
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC113
XBT-26
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25
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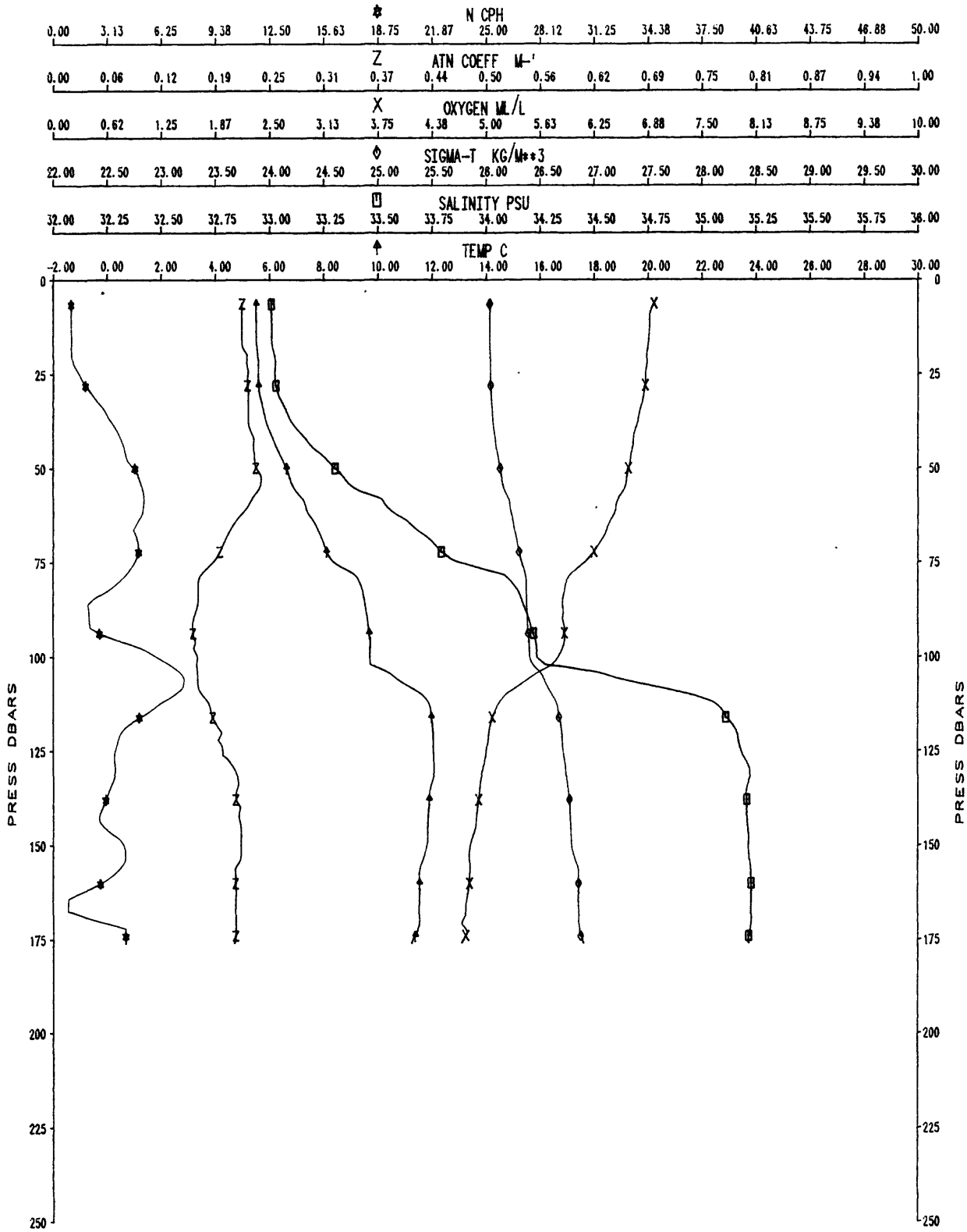
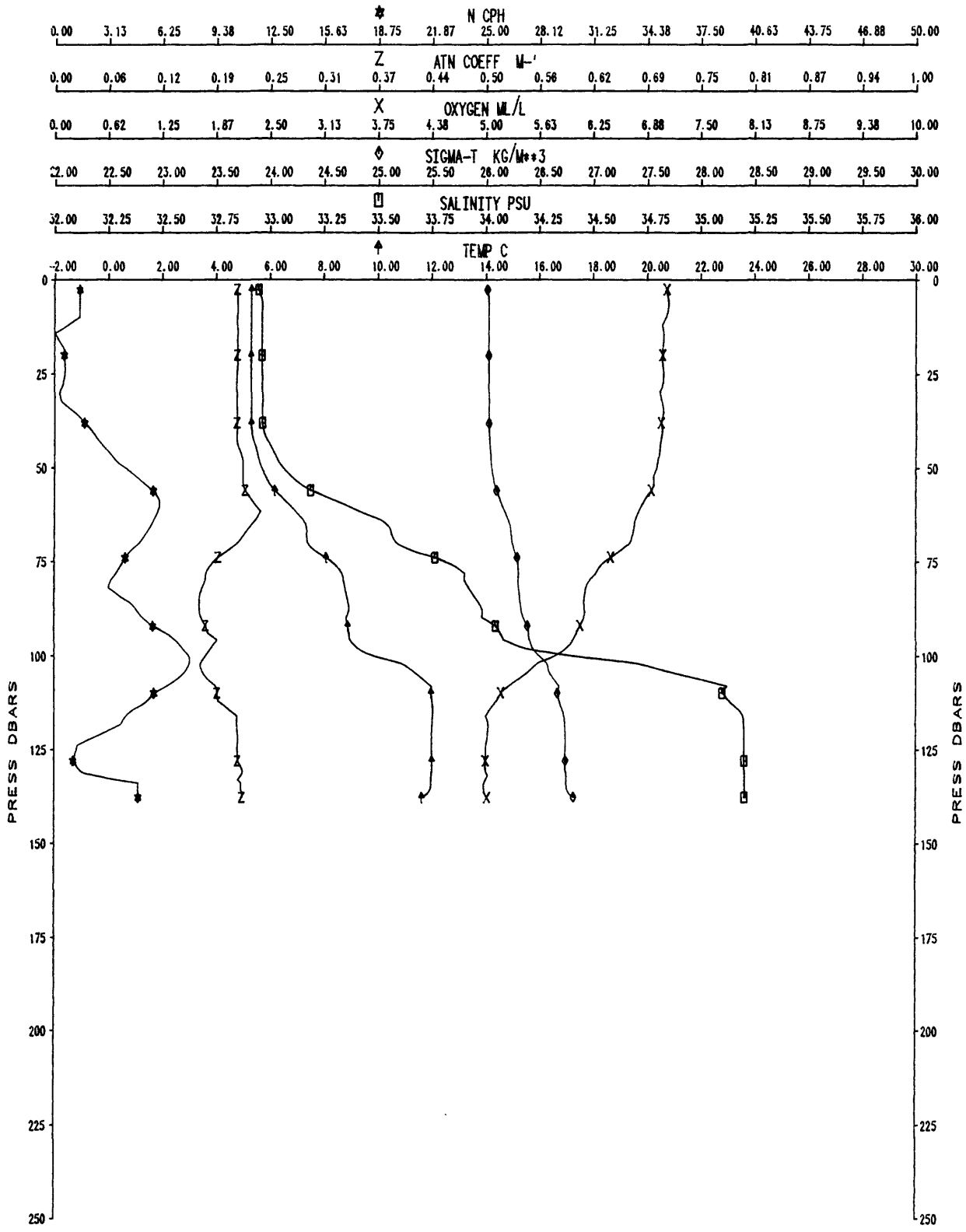
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

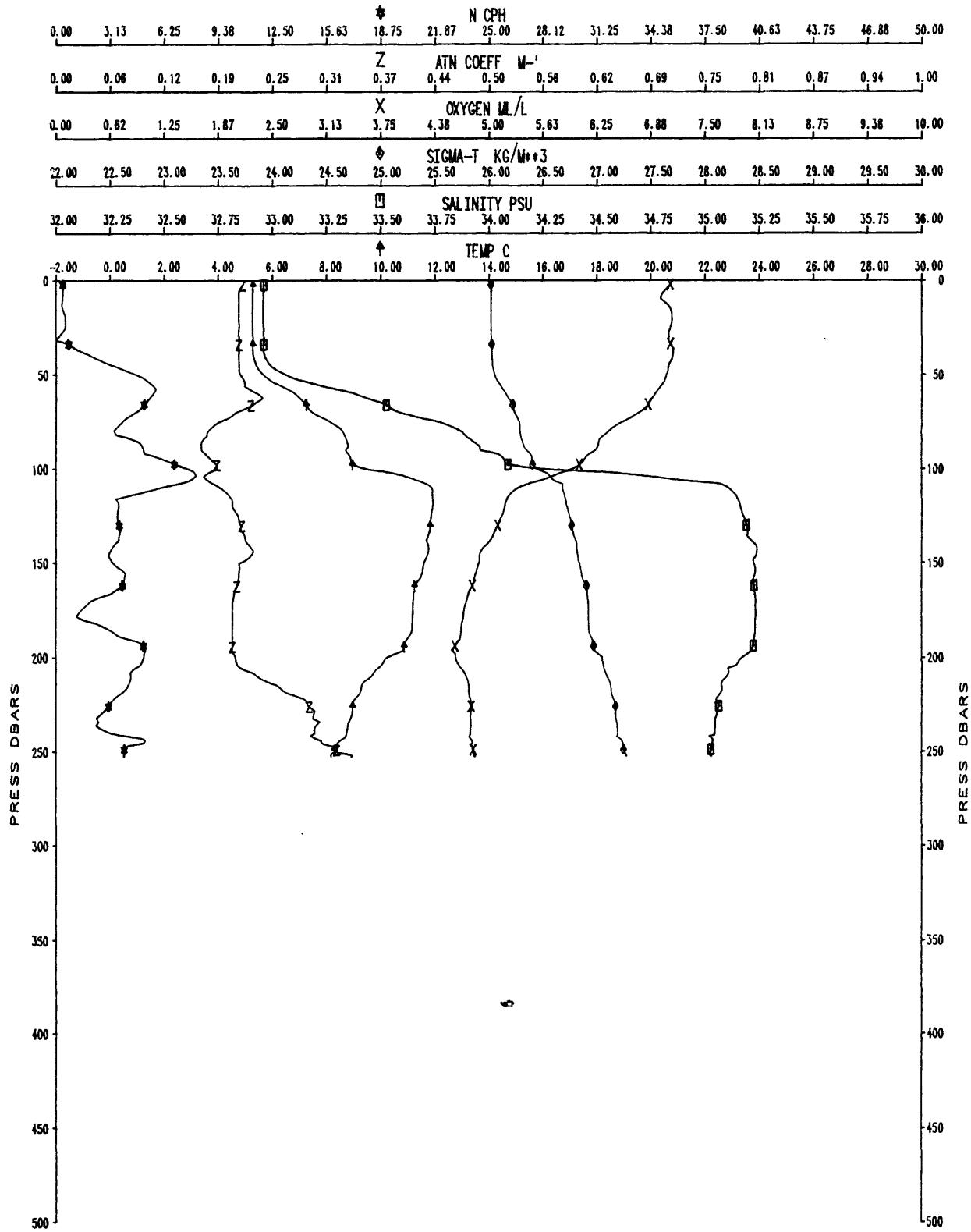
OC113U CAST #27



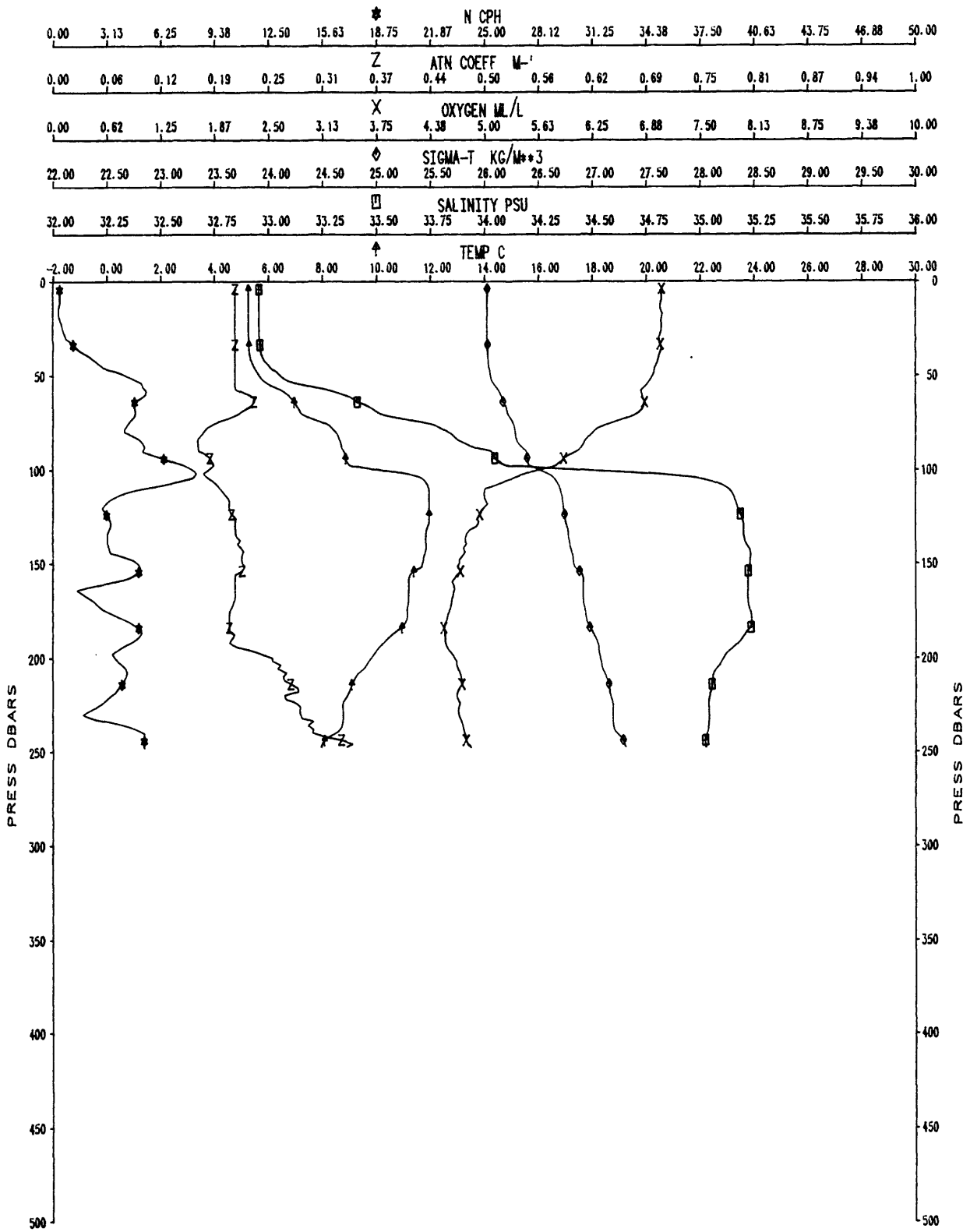
OC113B CAST #28



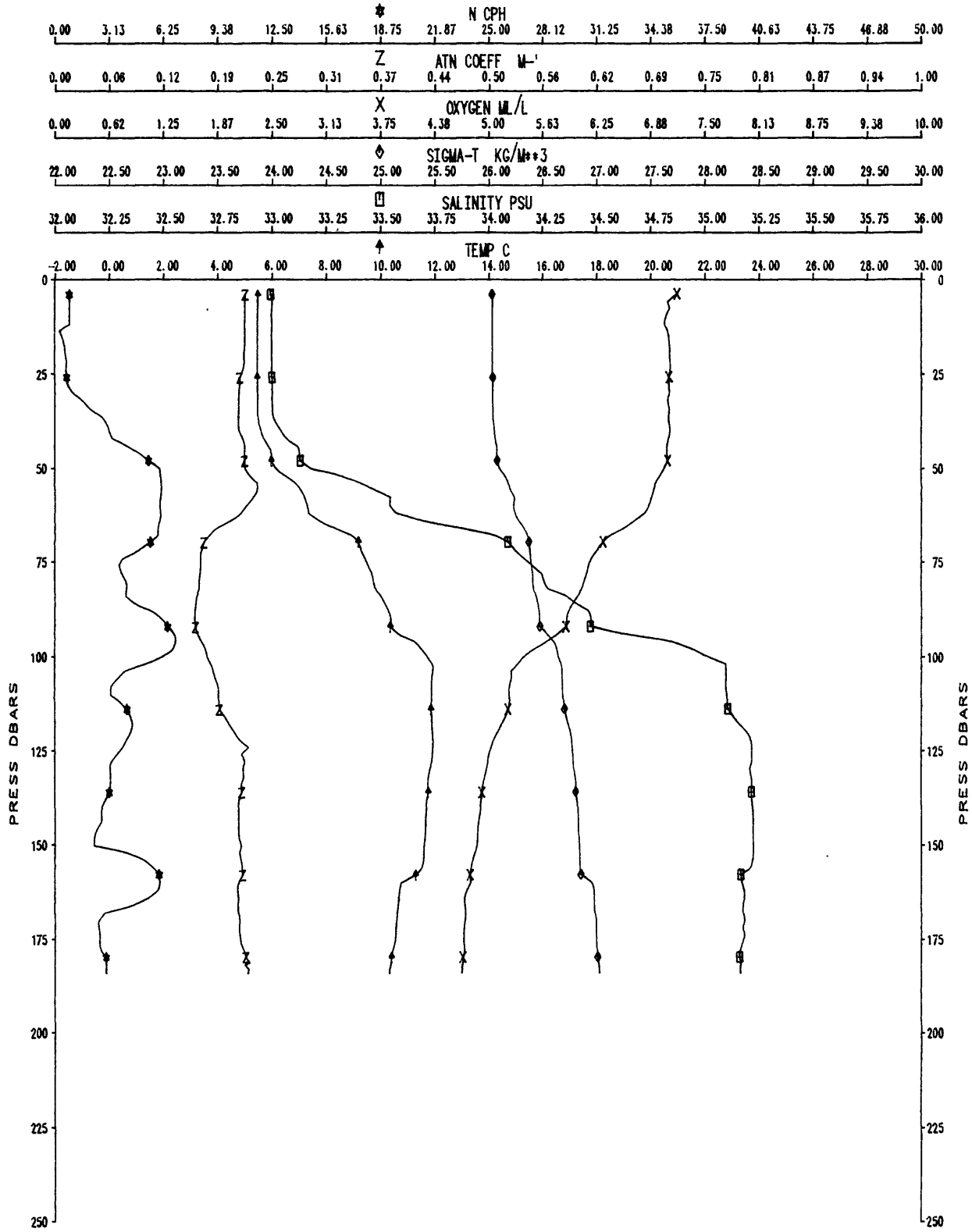
OC113A CAST #29

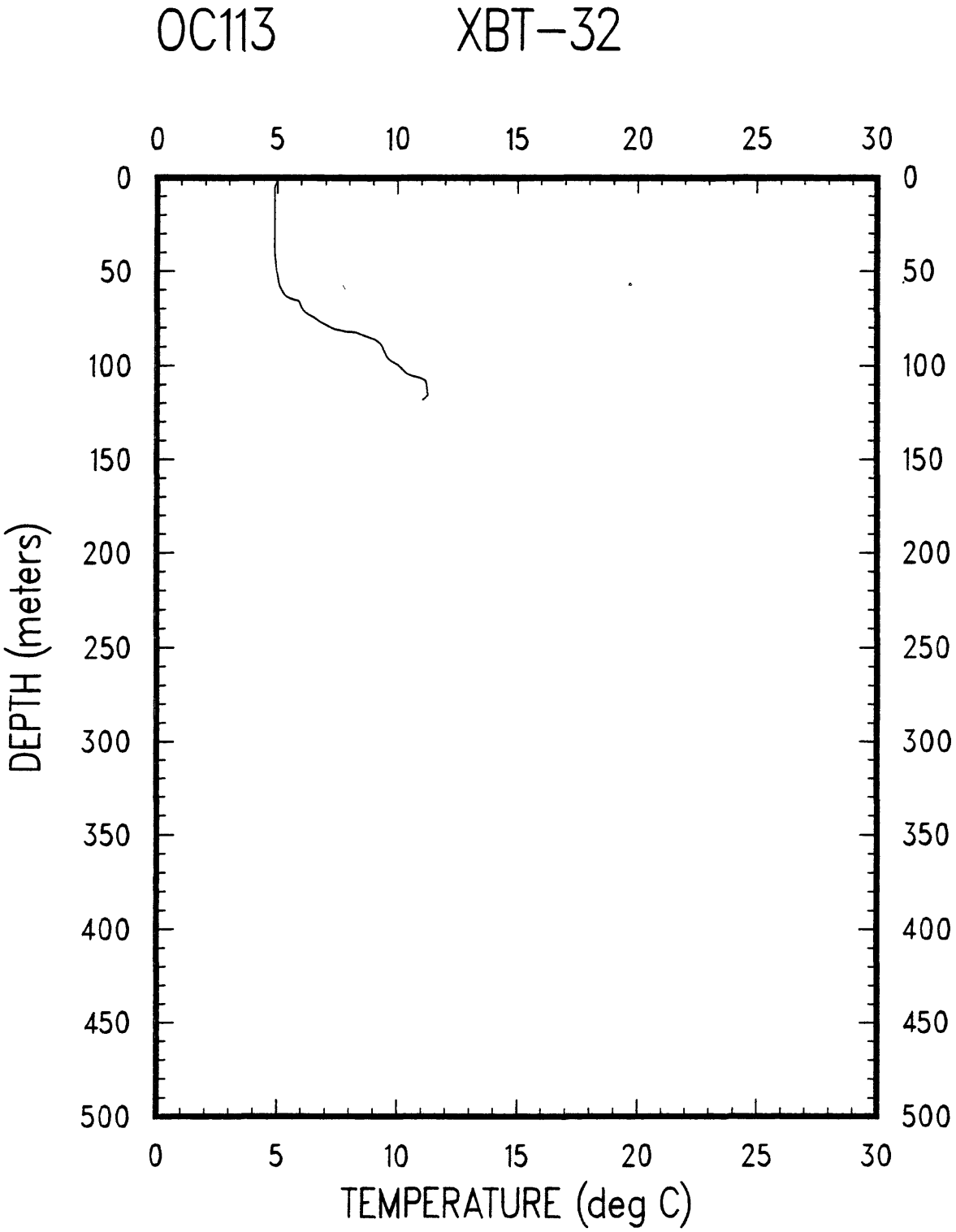


OC113A CAST #30



OC113A CAST #31




OC113
XBT-32
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5
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250
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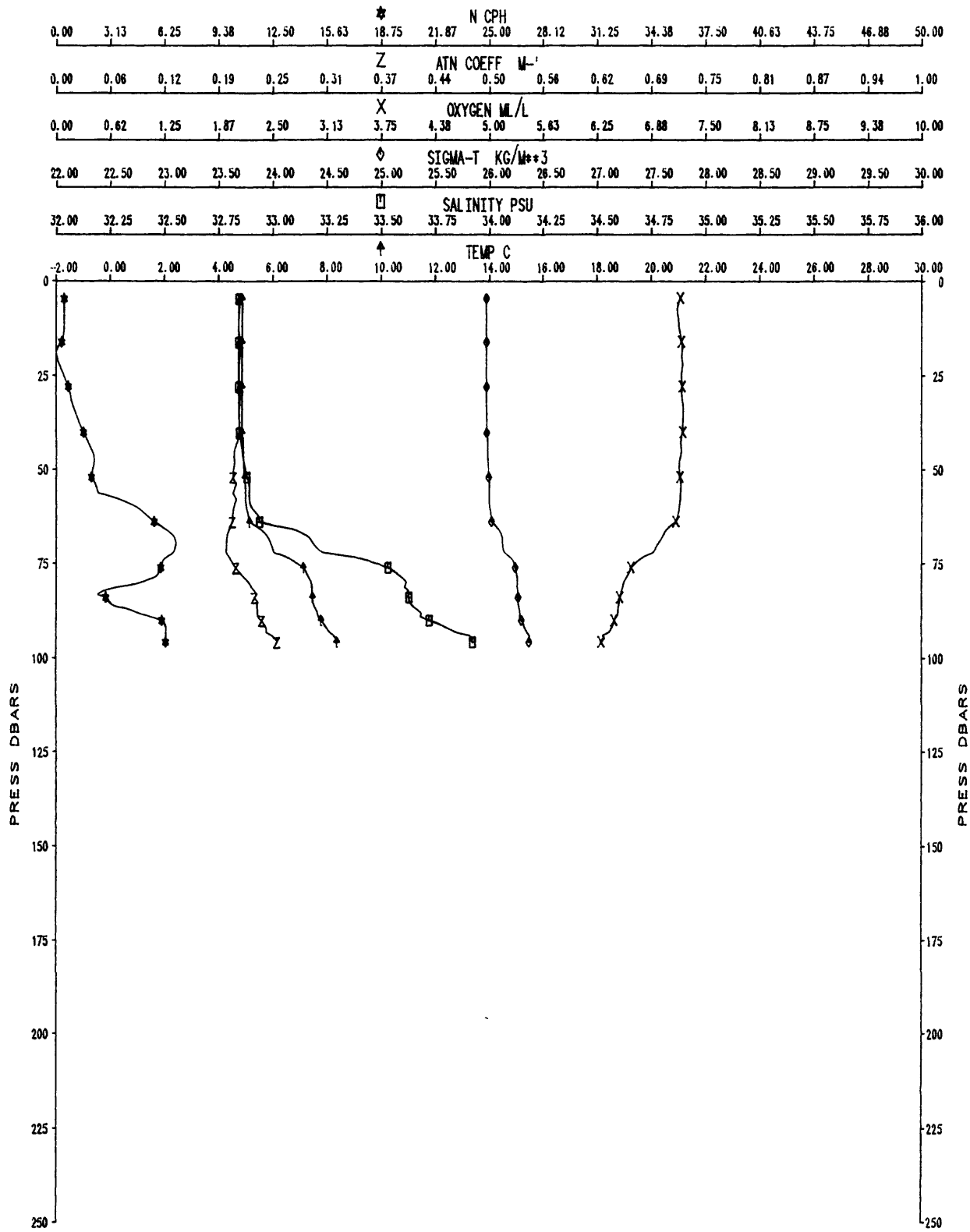
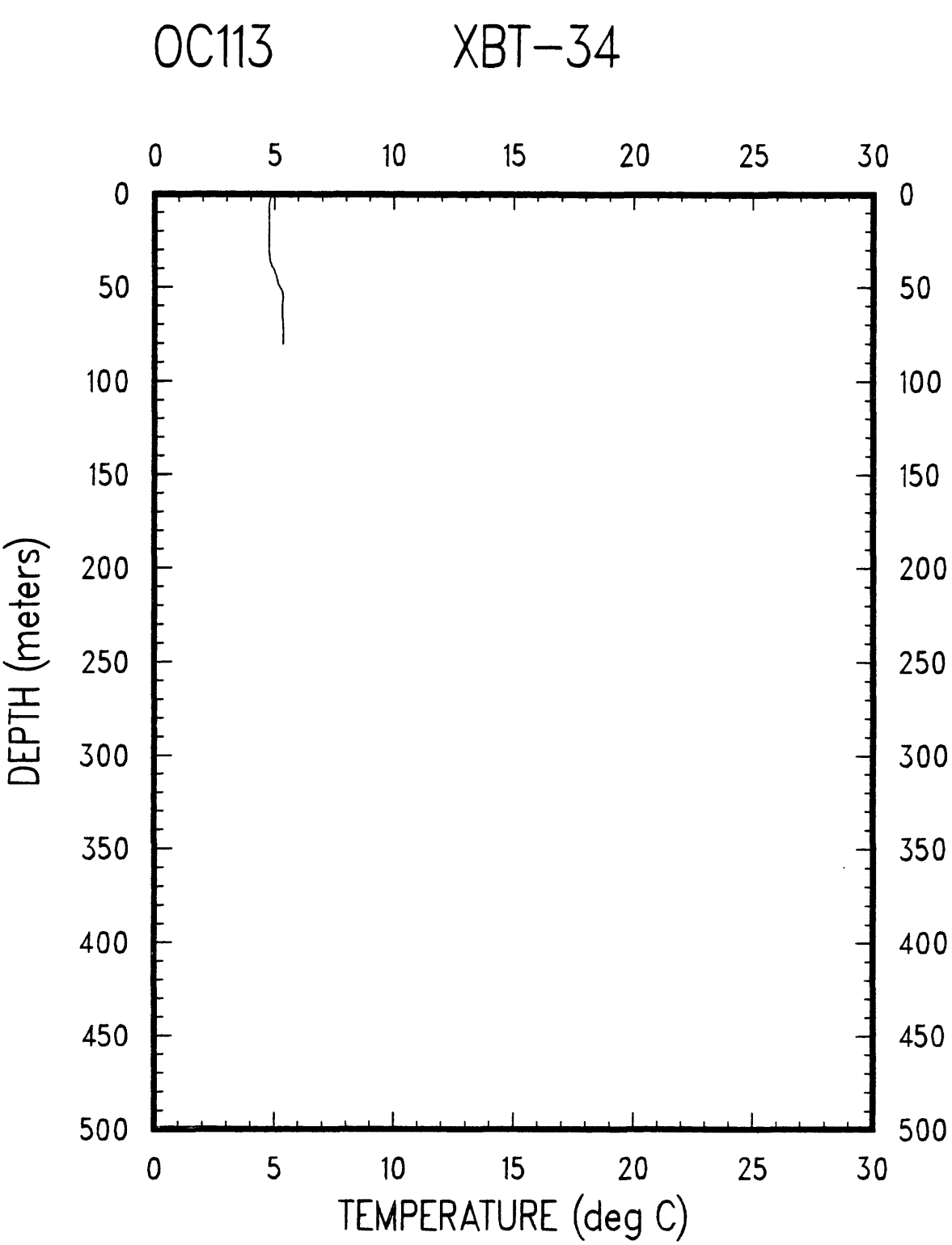
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC113B CAST #33




OC113
XBT-34
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5
10
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0
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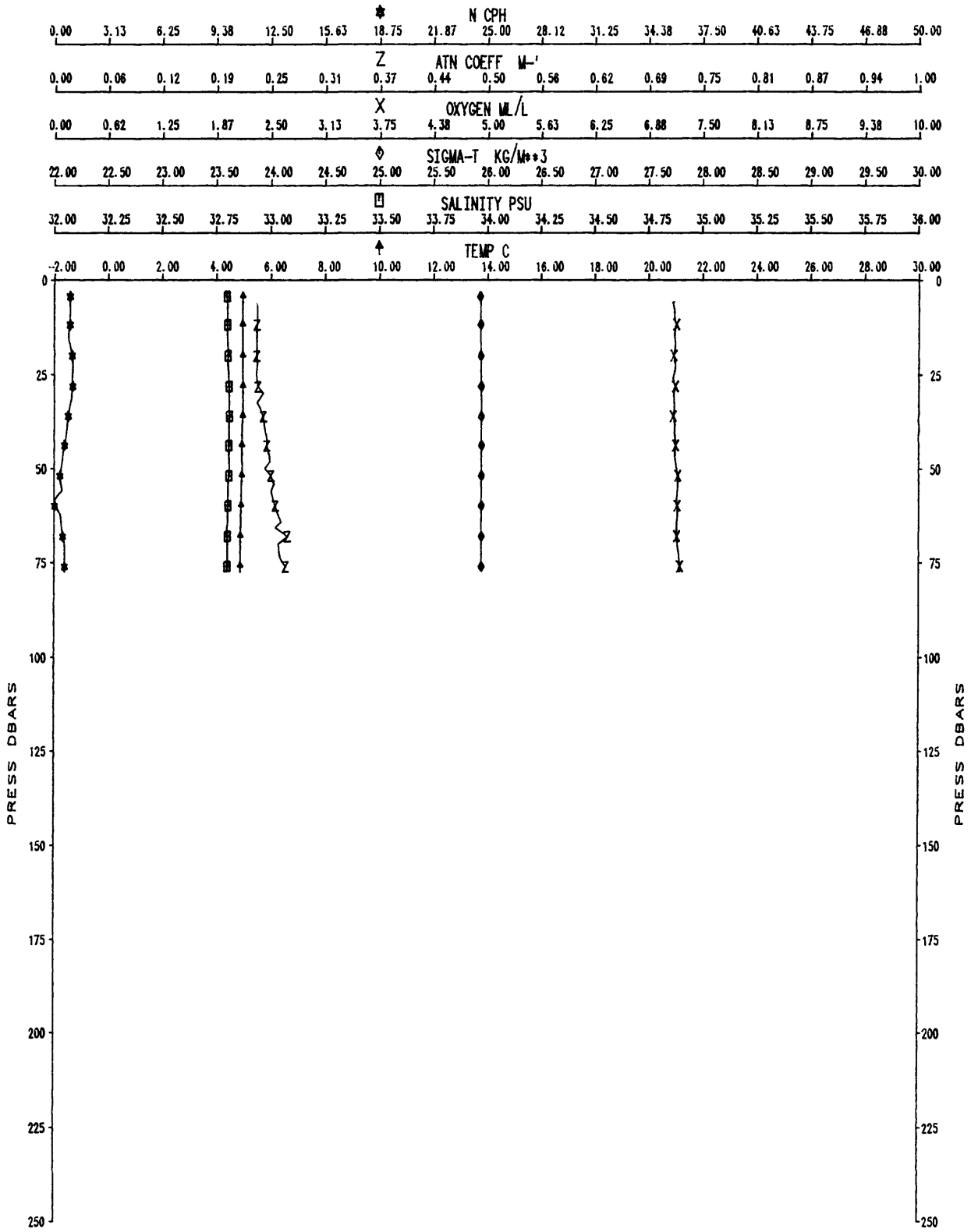
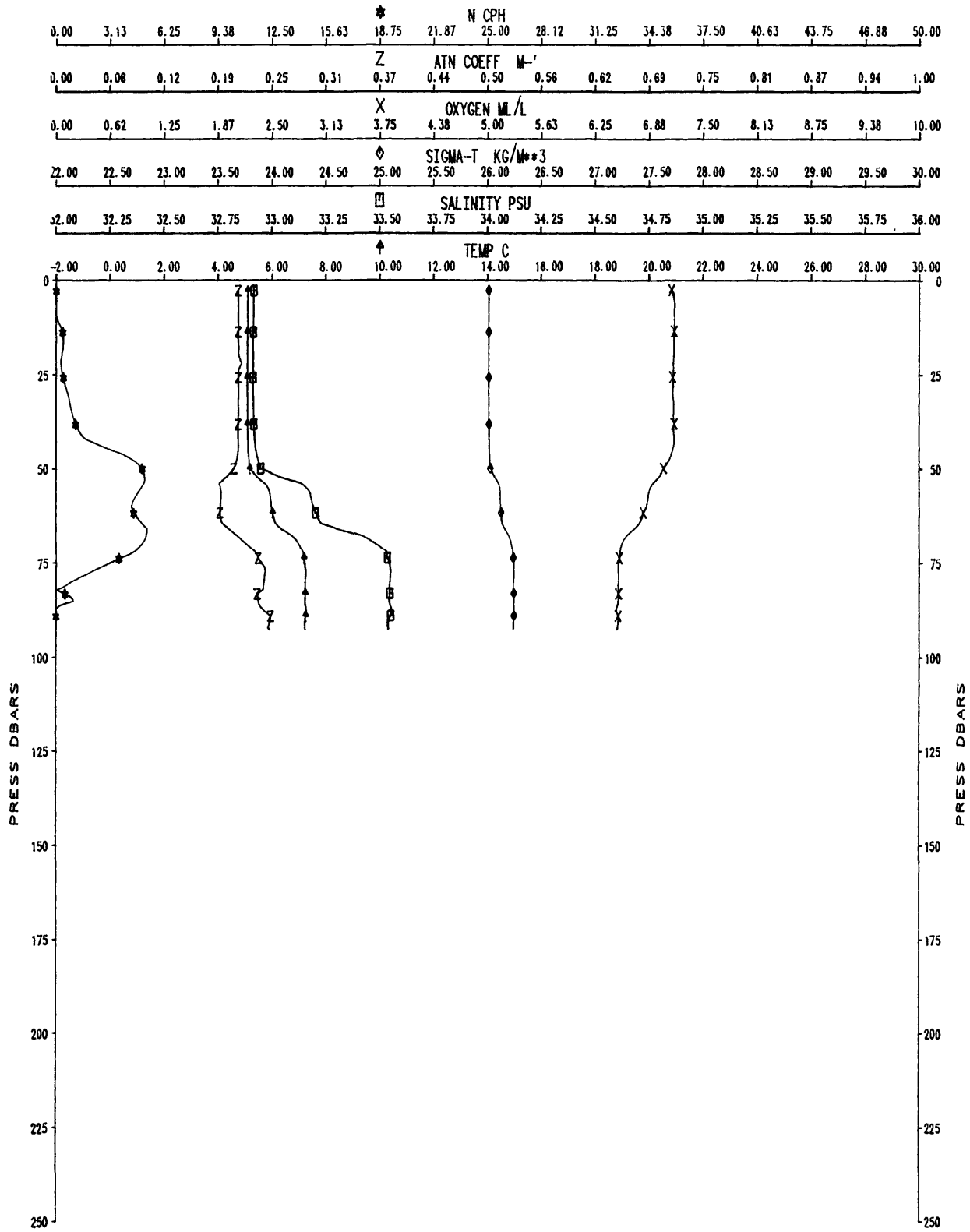
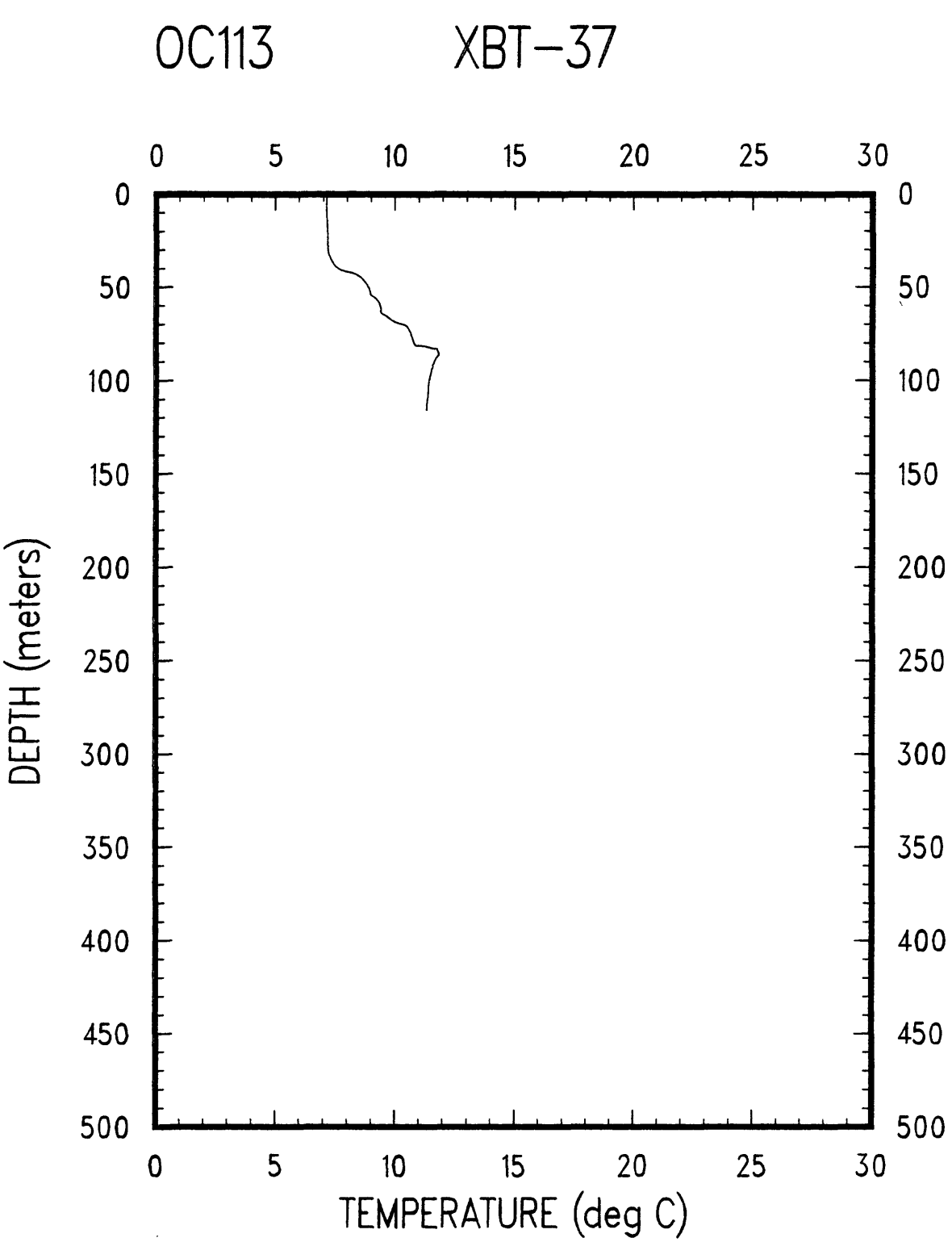
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC113A CAST #35



OC113U CAST #36




OC113
XBT-37
0
5
10
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250
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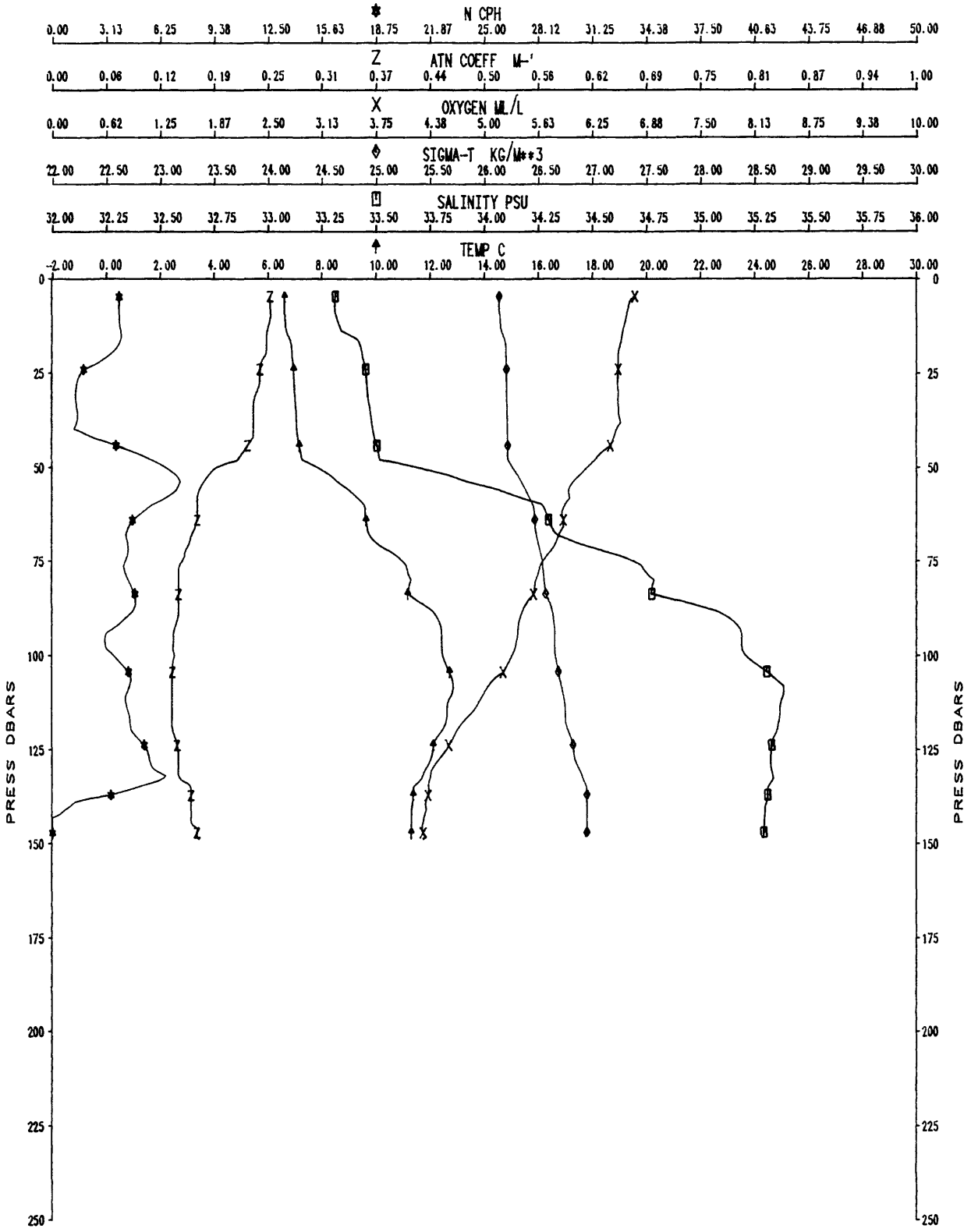
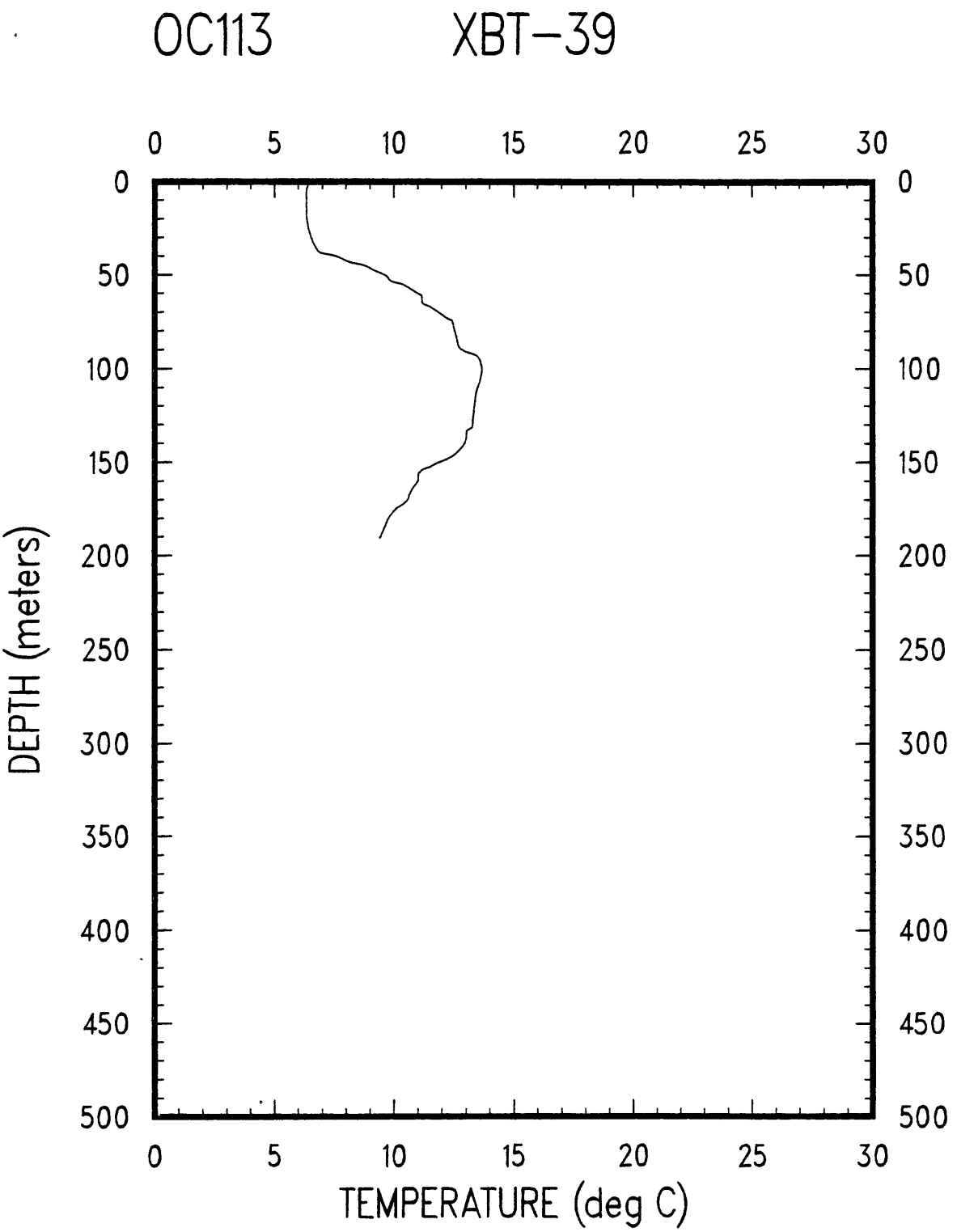
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC113U CAST #38




OC113
XBT-39
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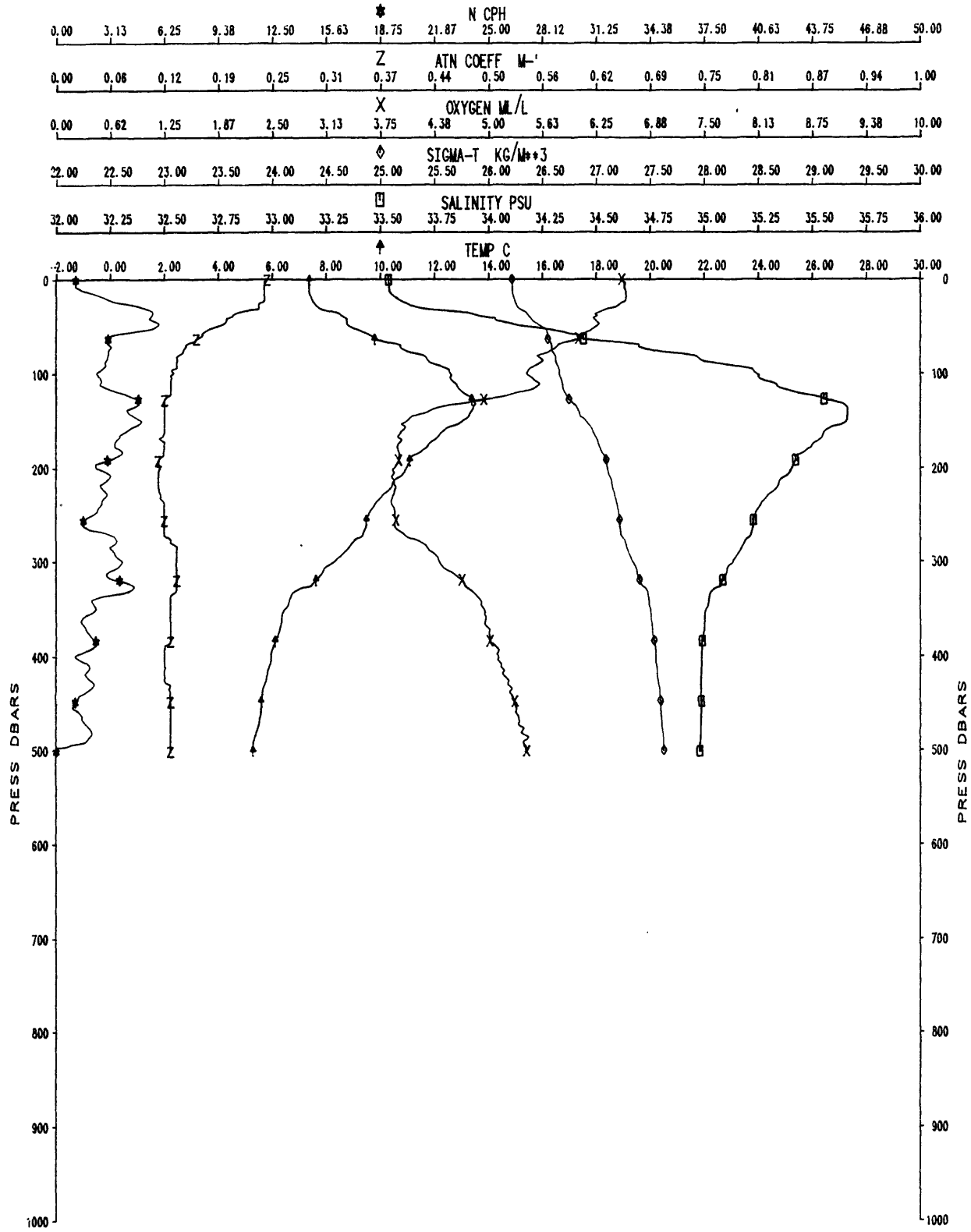
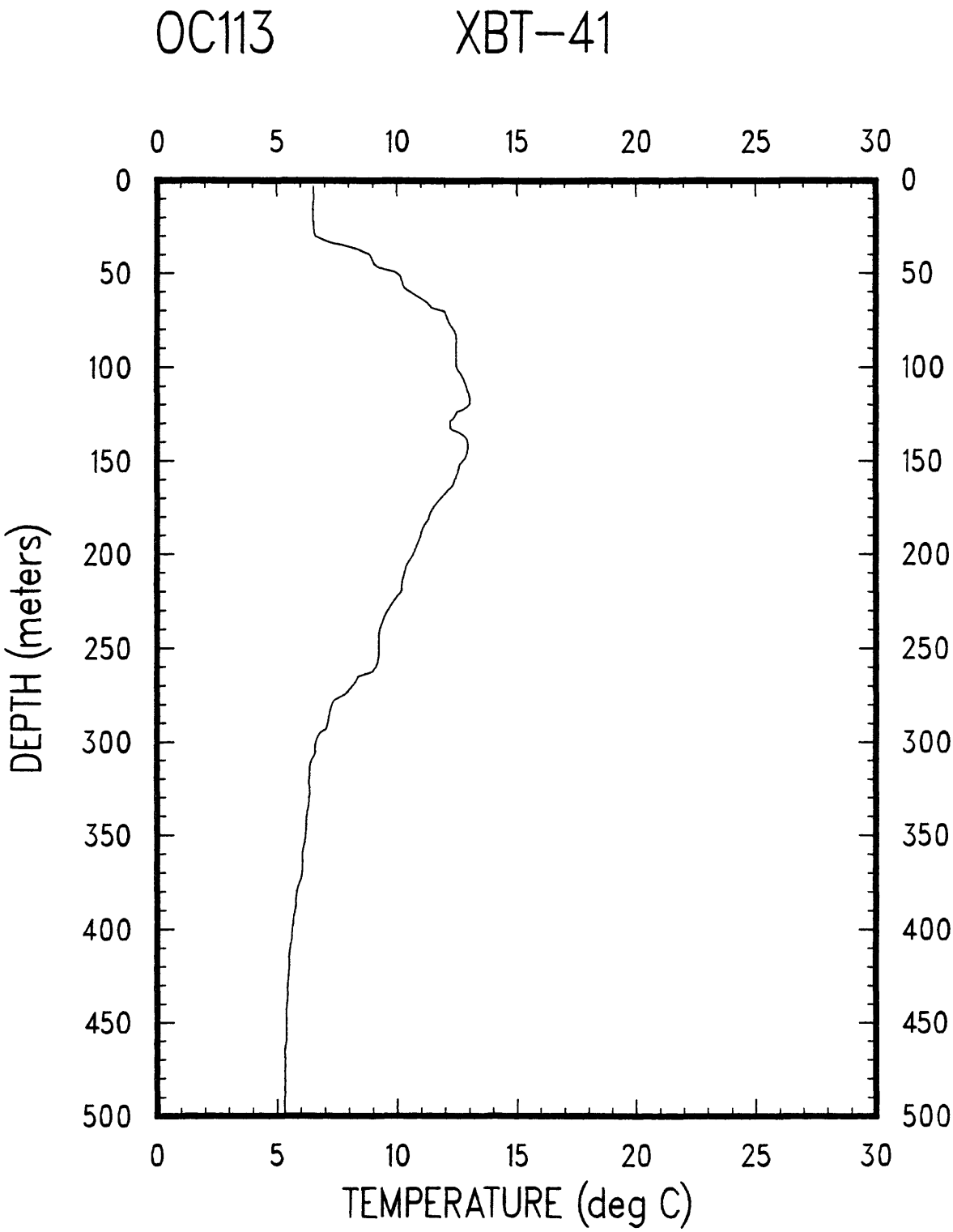
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC113U CAST #40




OC113
XBT-41
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25
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250
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350
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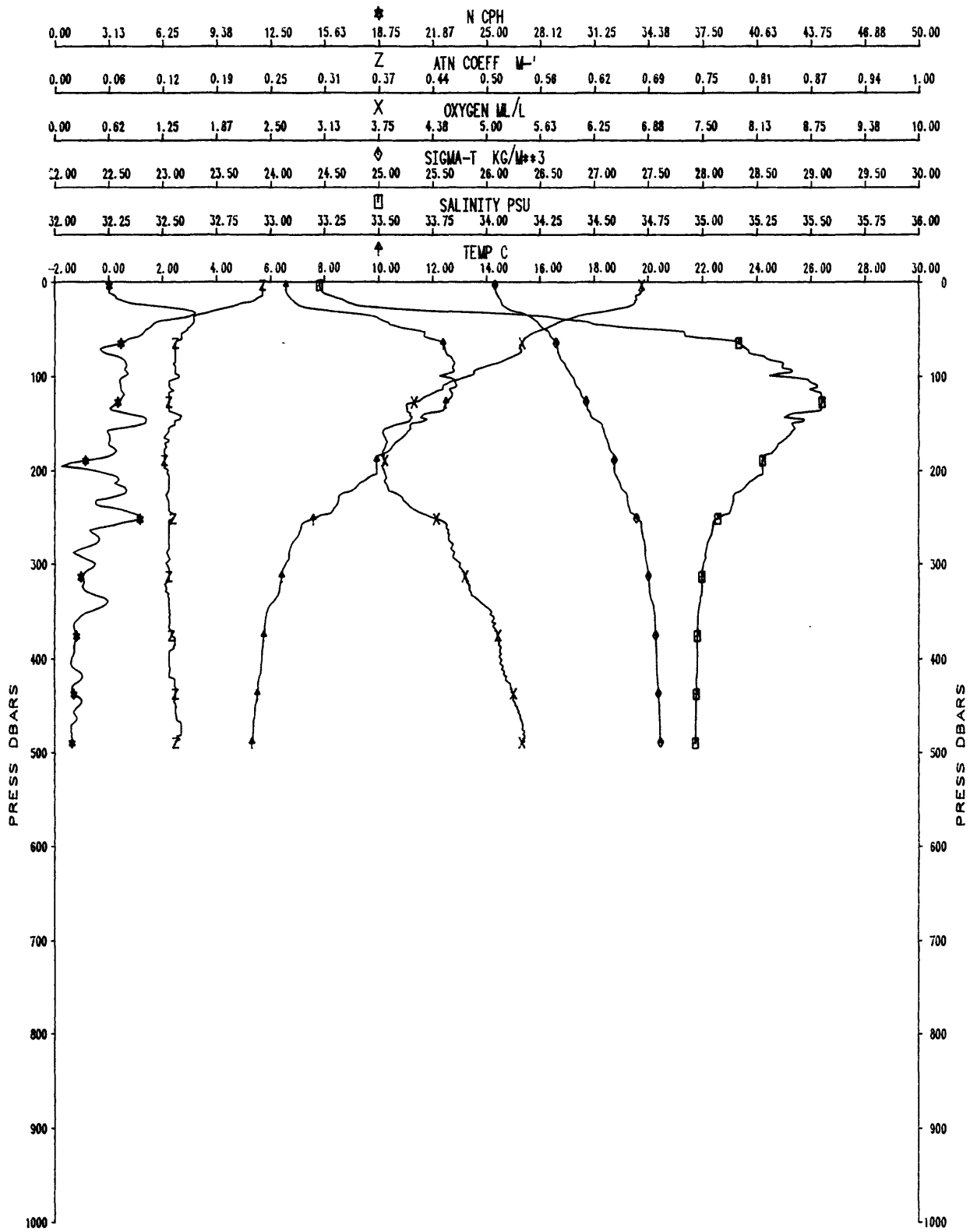
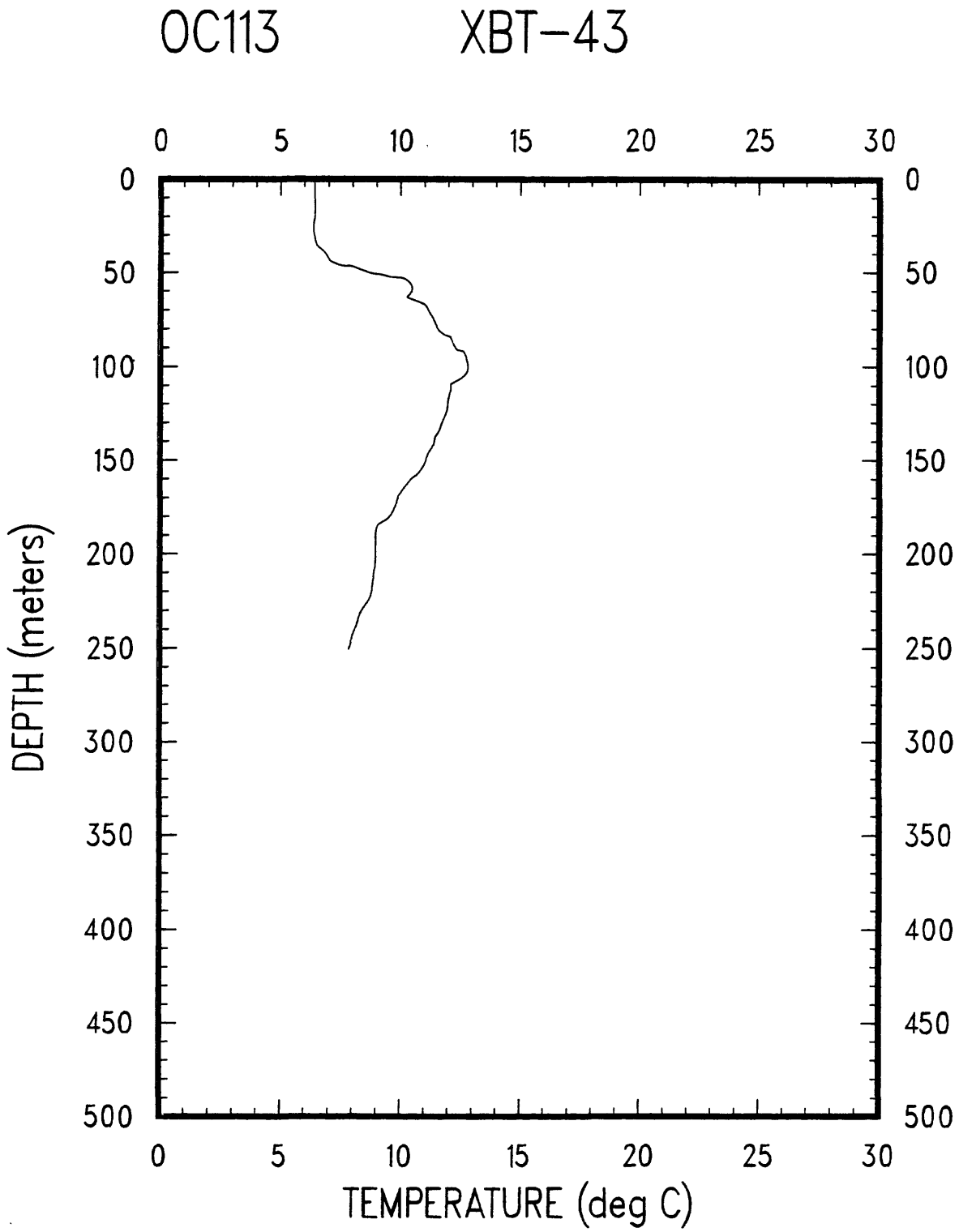
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC113A CAST #42




OC113
XBT-43
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5
10
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100
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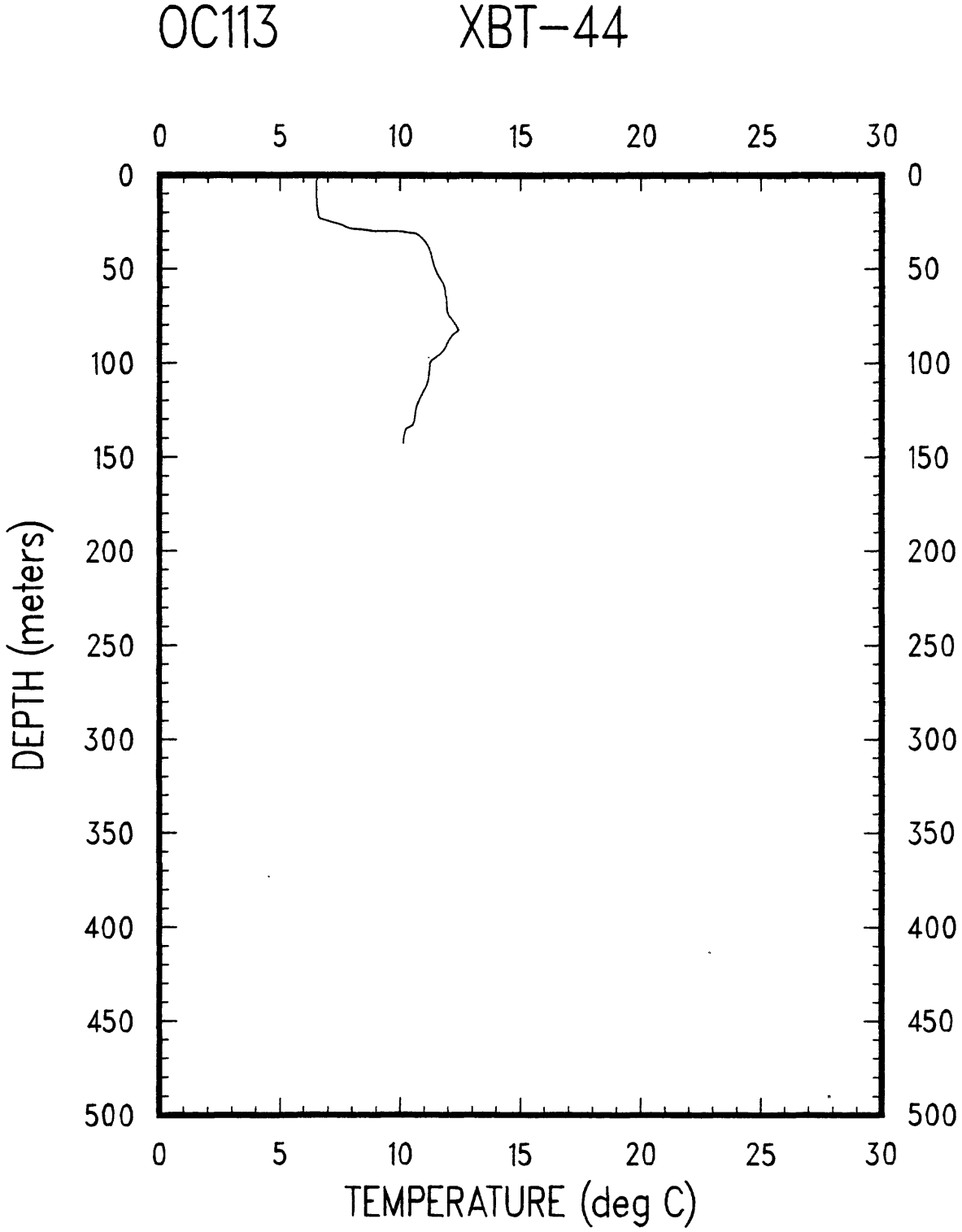
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC113
XBT-44
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350
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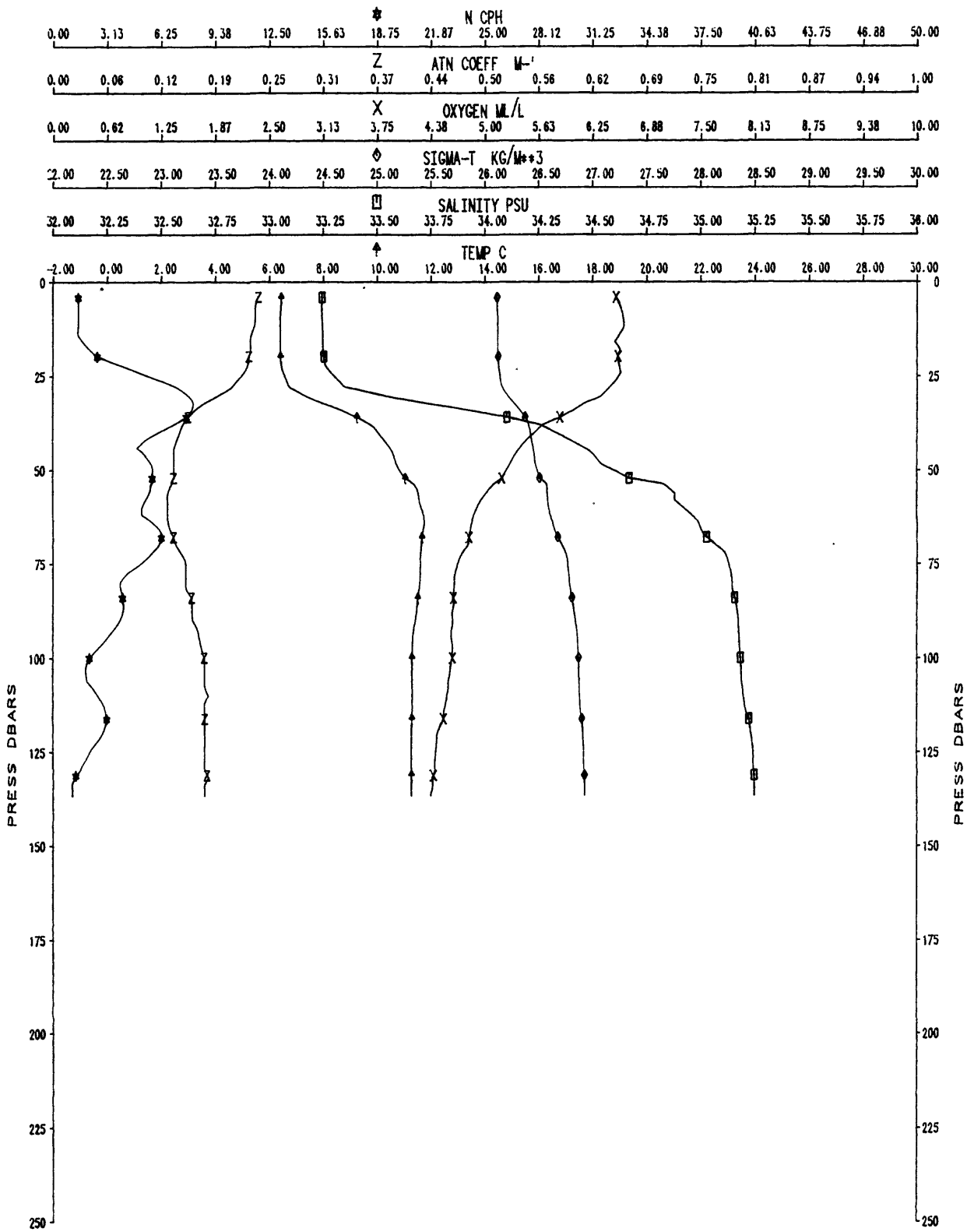
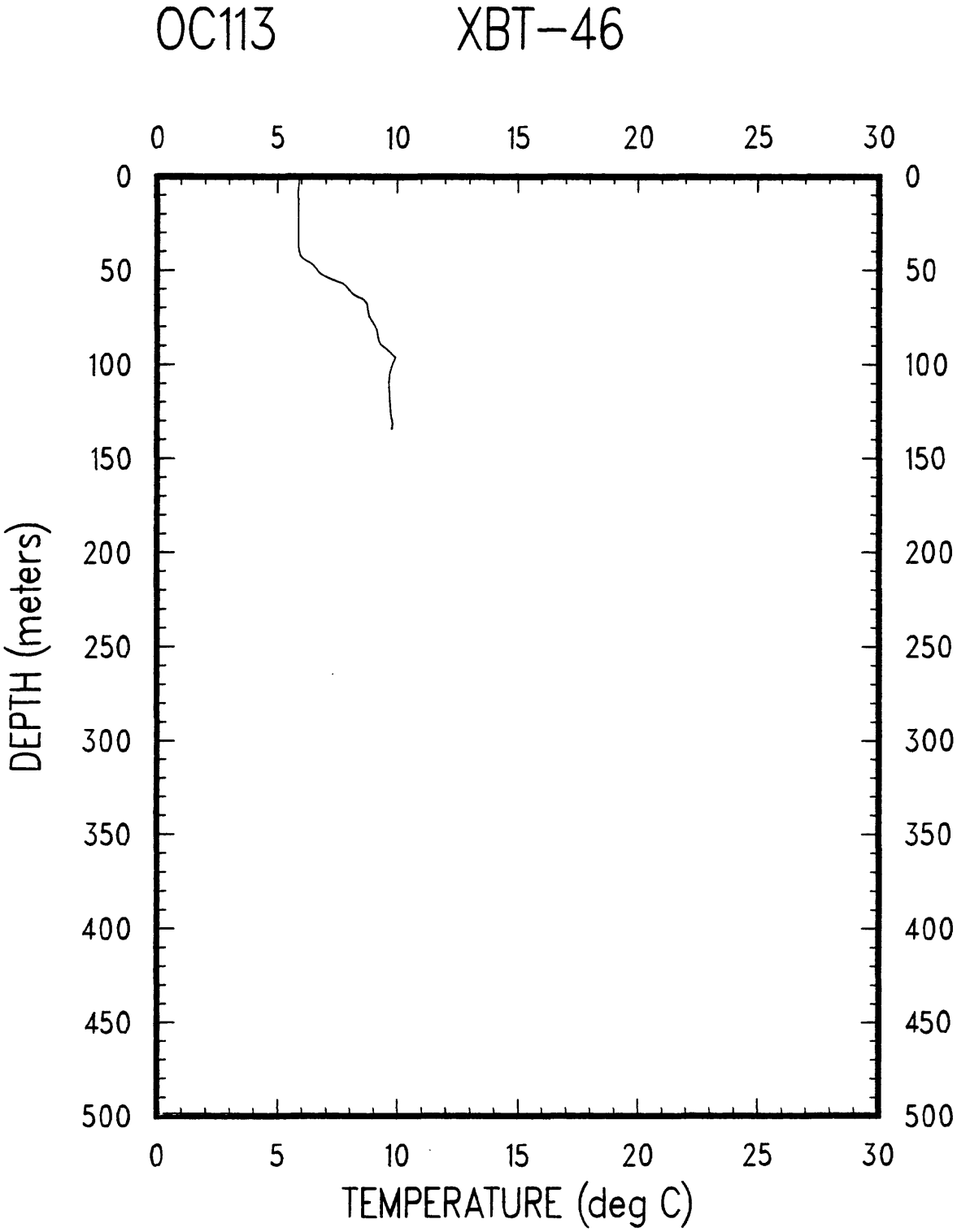
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC113B CAST #45




OC113
XBT-46
0
5
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0
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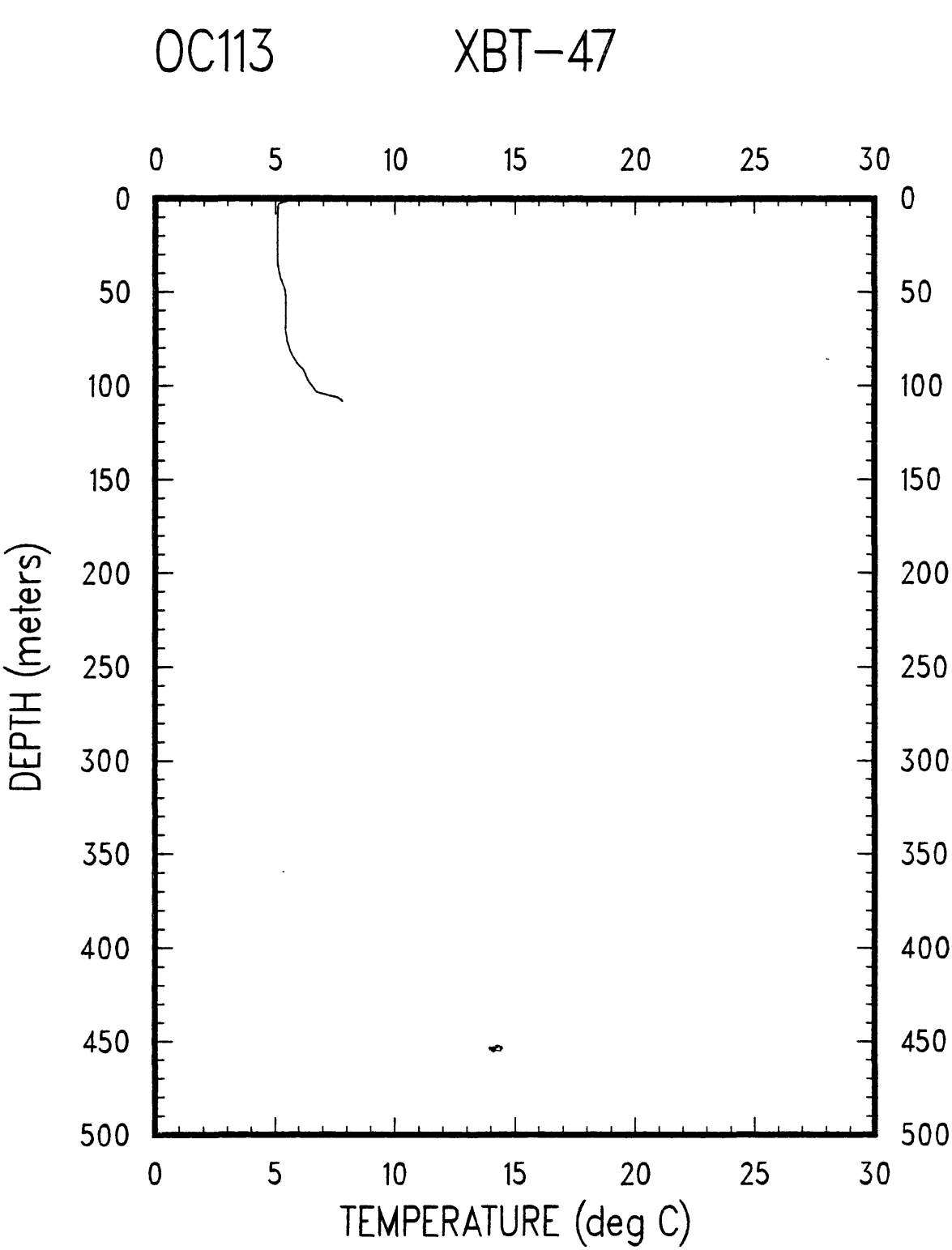
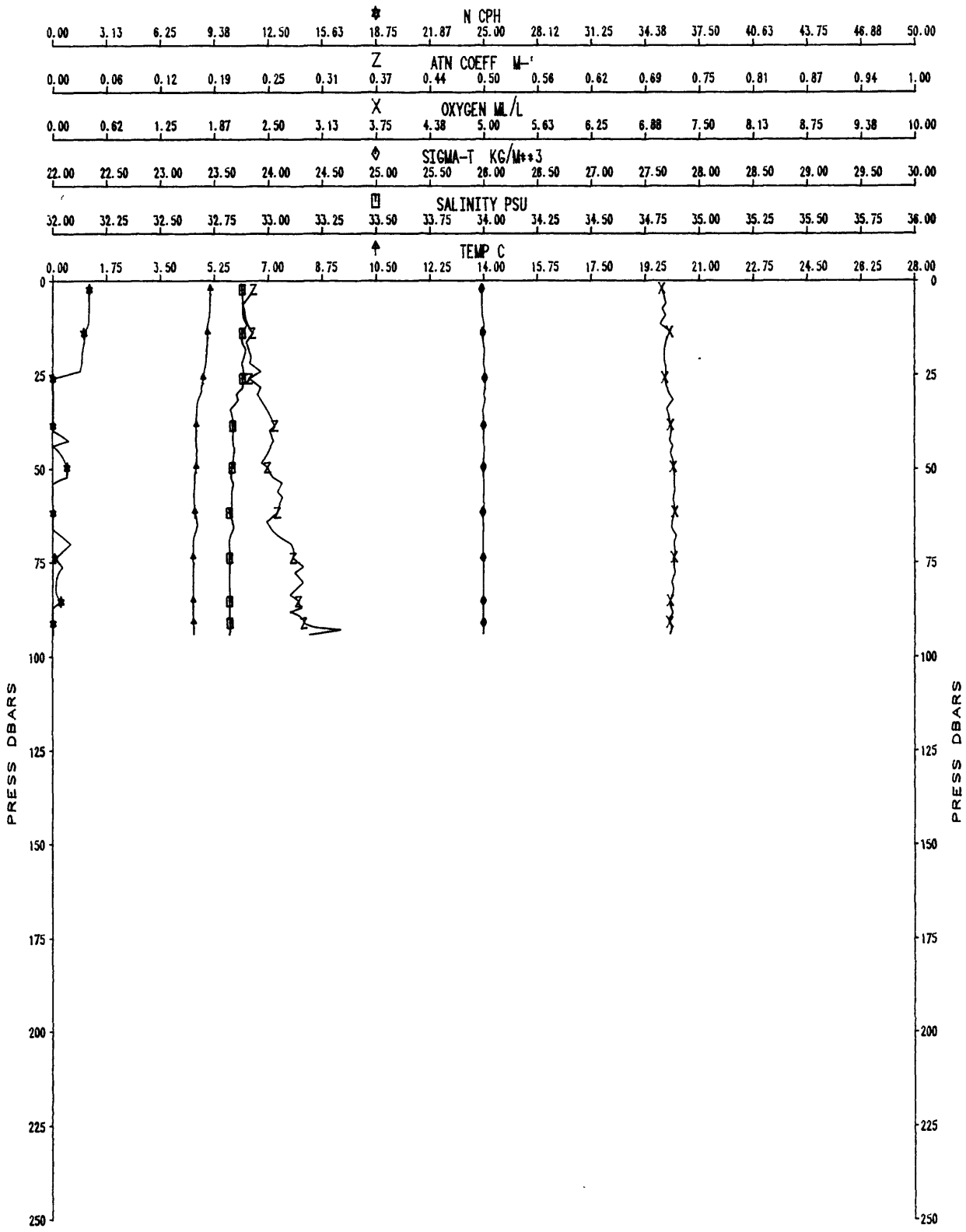
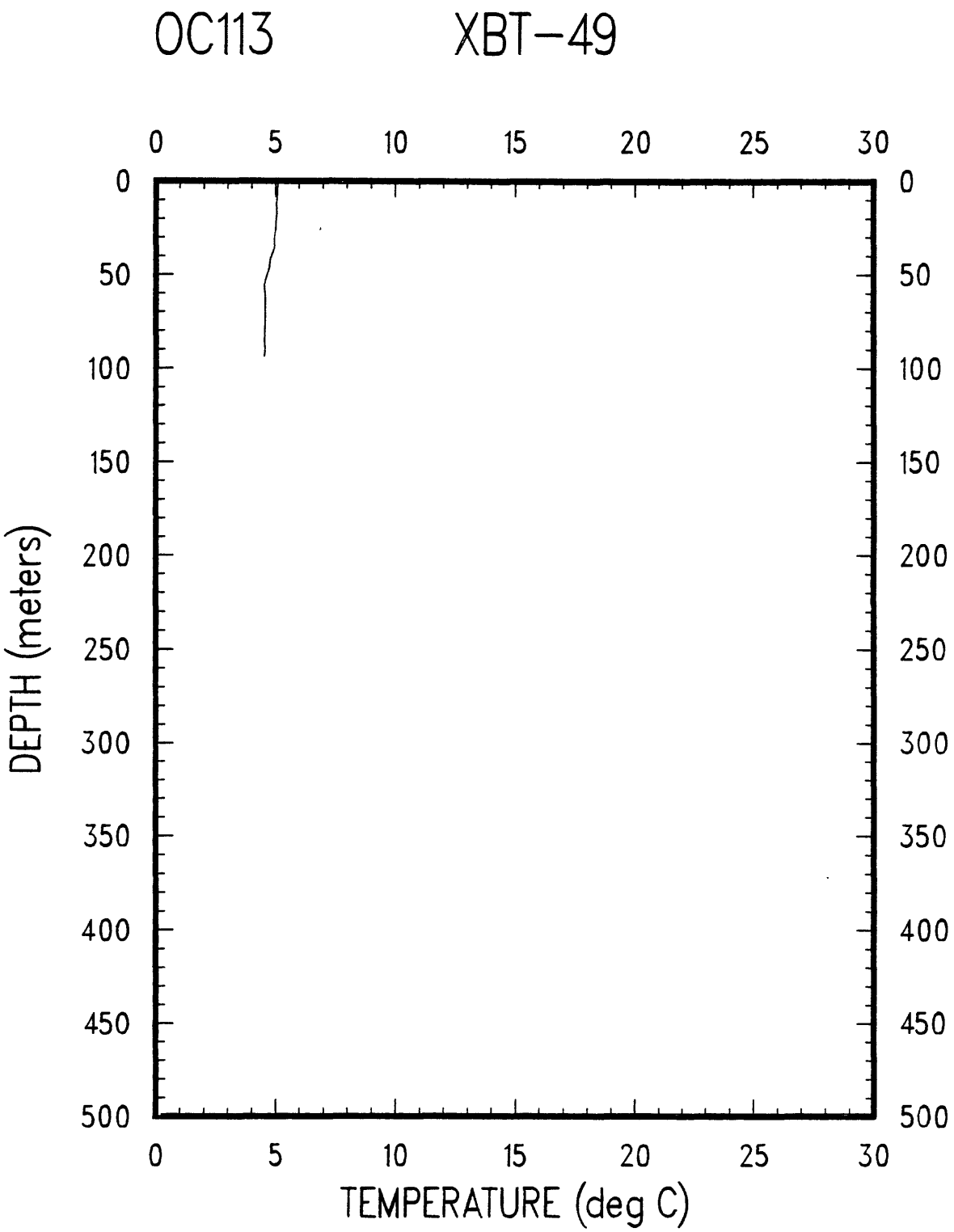
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC113 XBT-47
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

OC113B CAST #48




OC113
XBT-49
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5
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250
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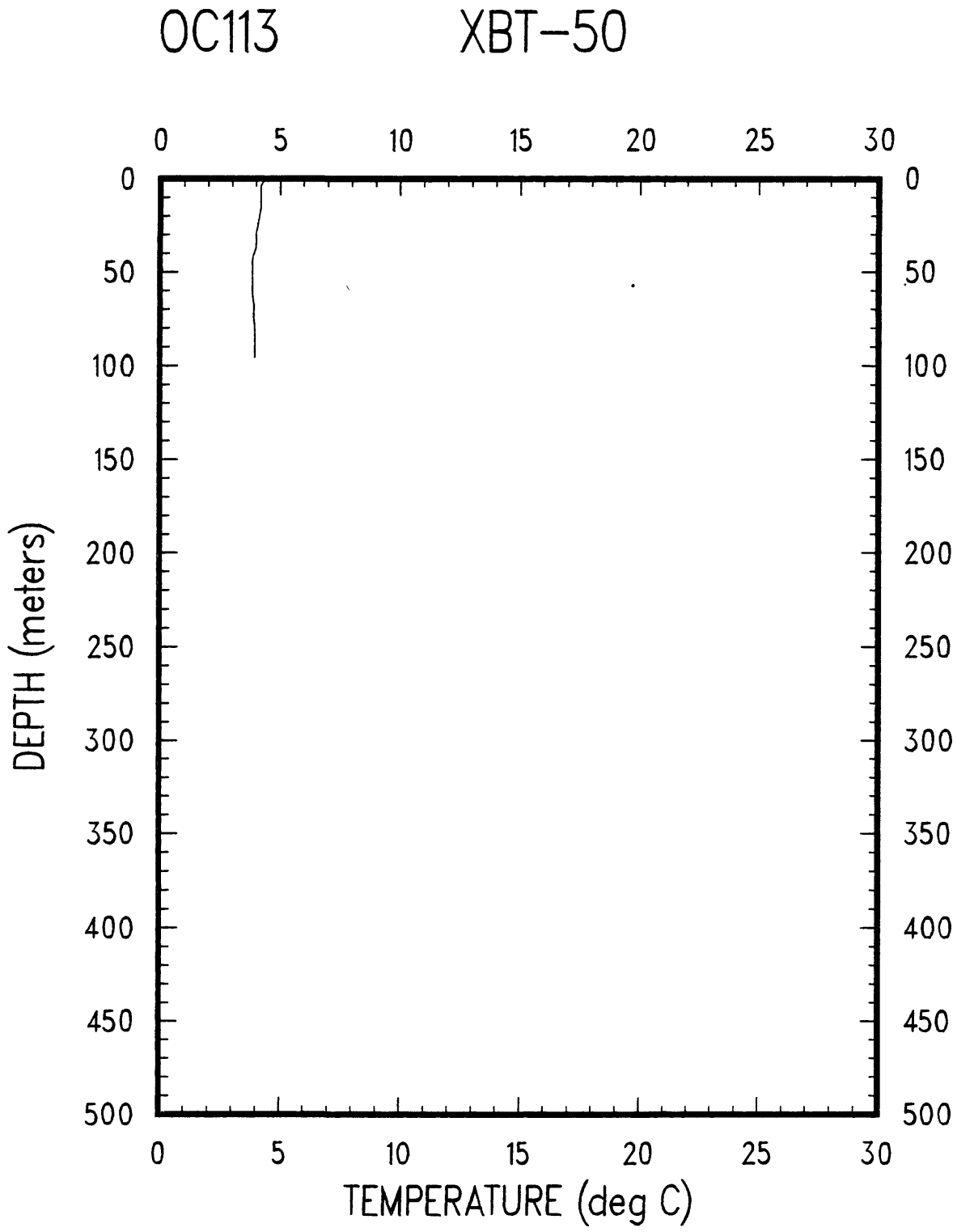
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC113
XBT-50
0
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25
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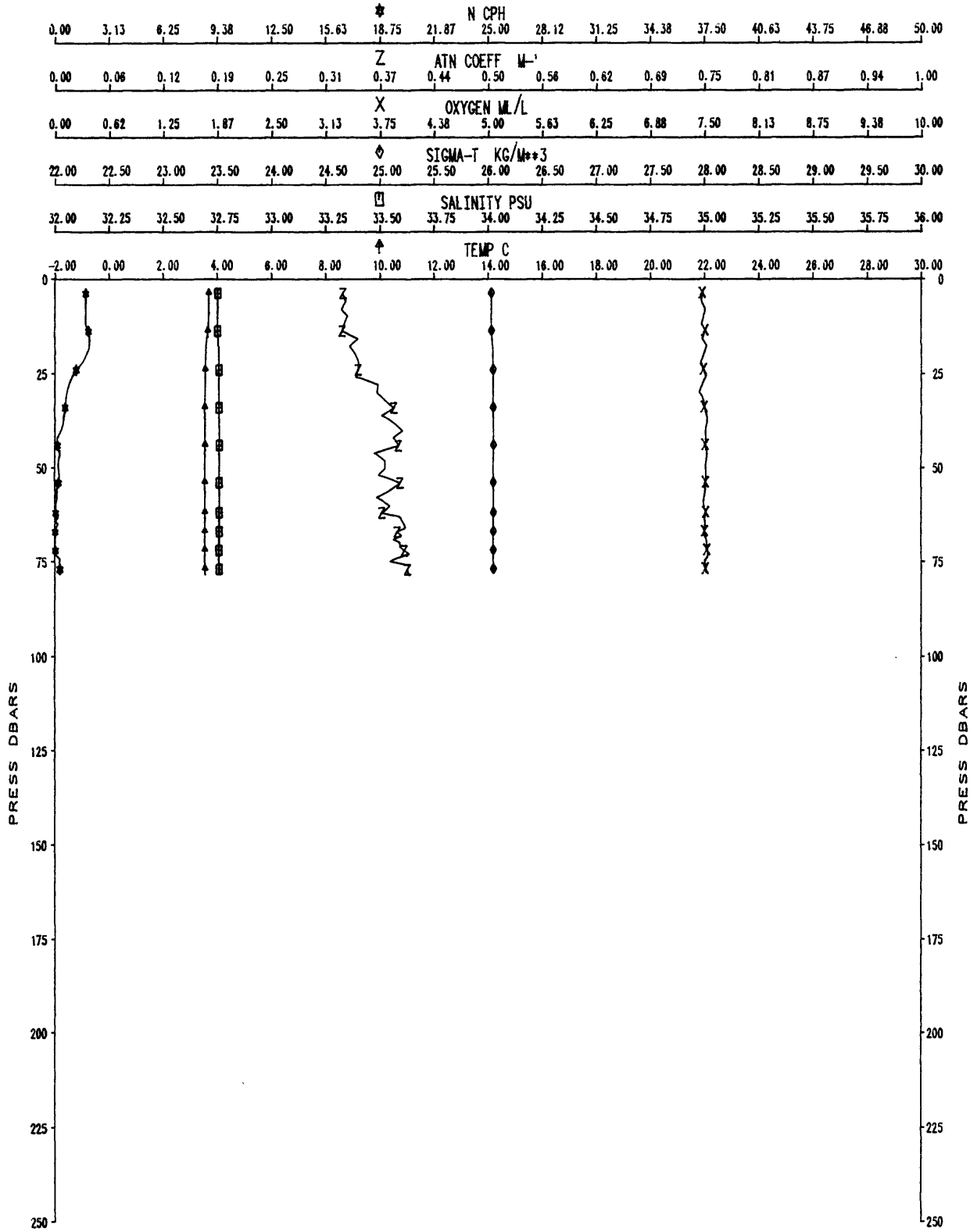
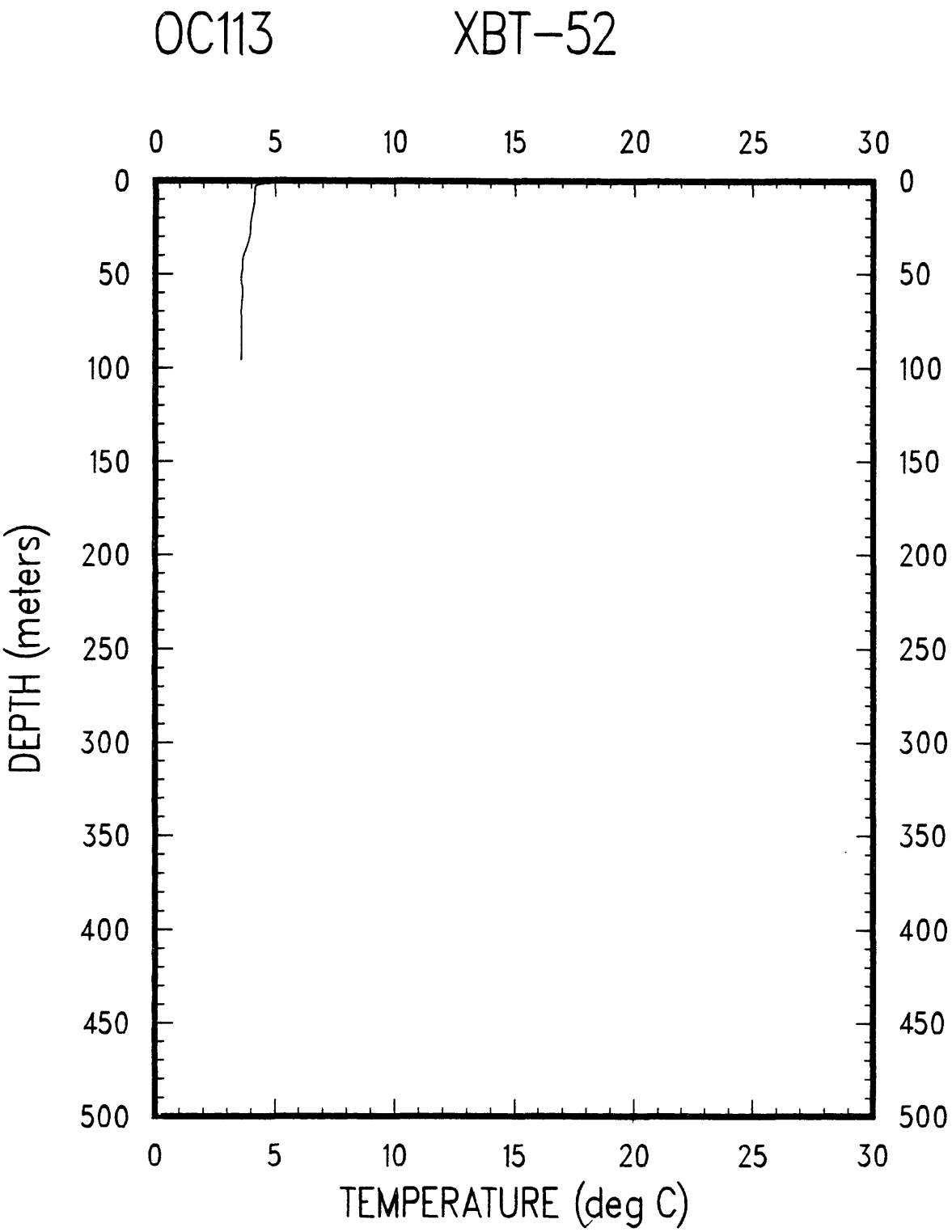
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC113A CAST #51




OC113
XBT-52
0
5
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350
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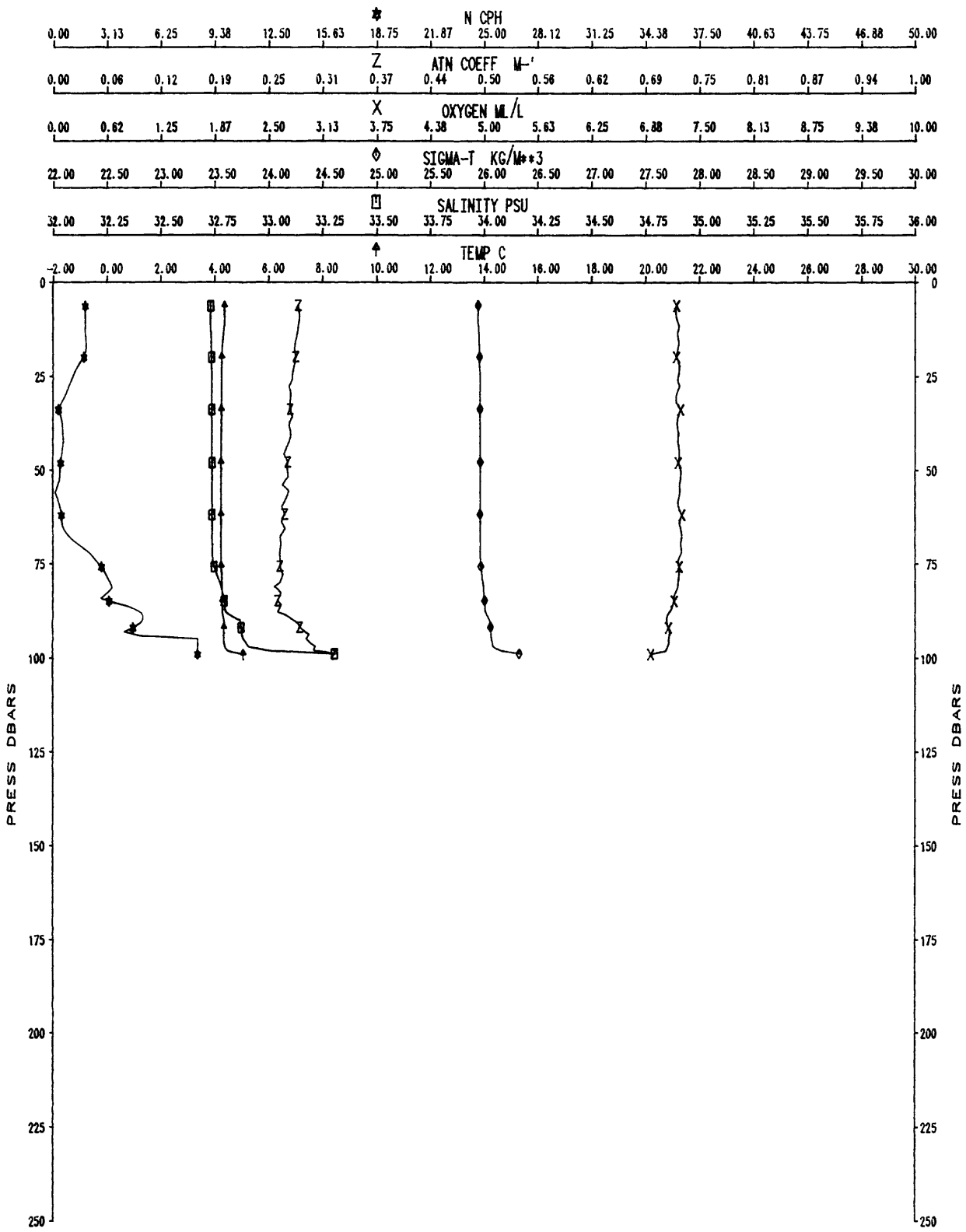
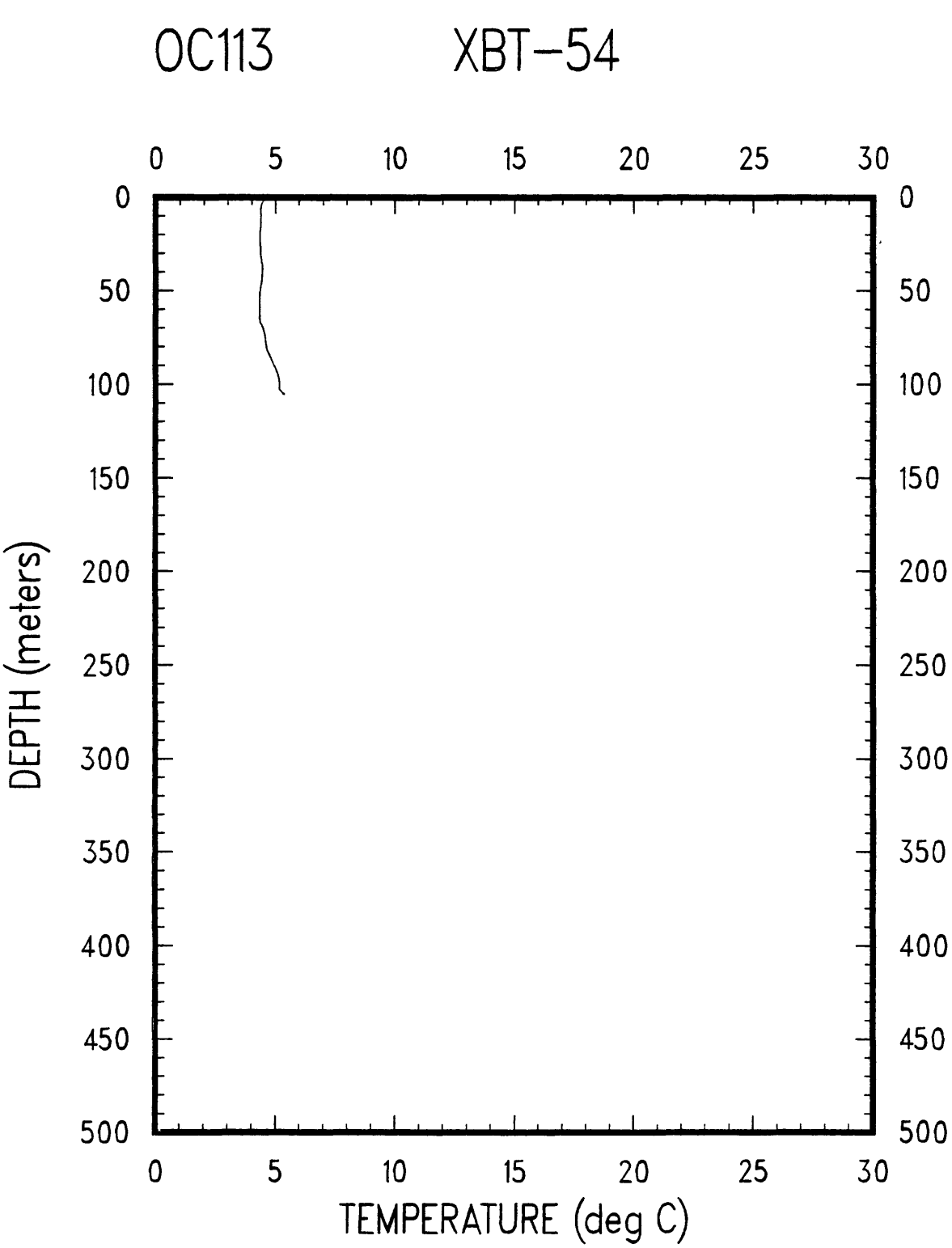
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC113B CAST #53




OC113
XBT-54
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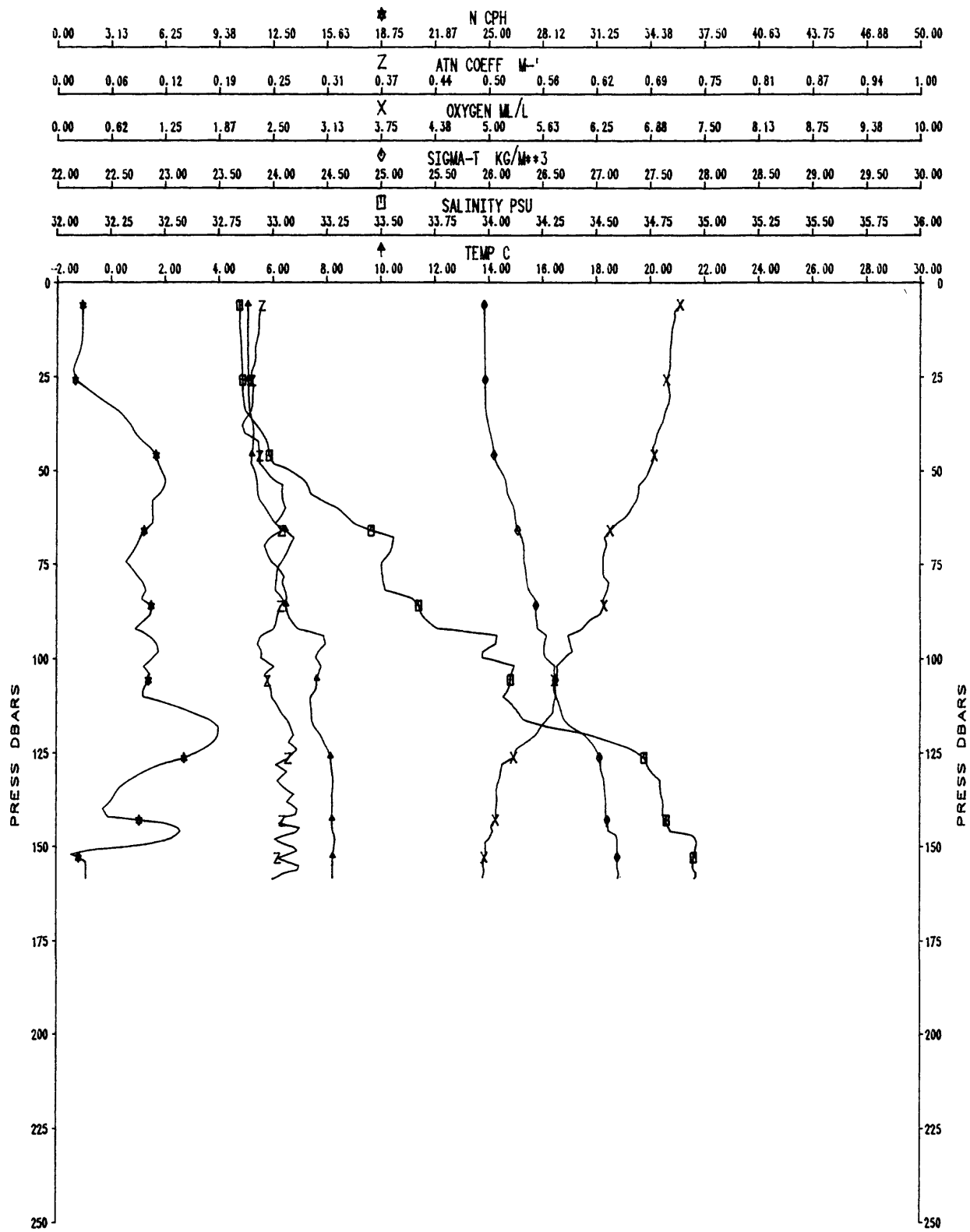
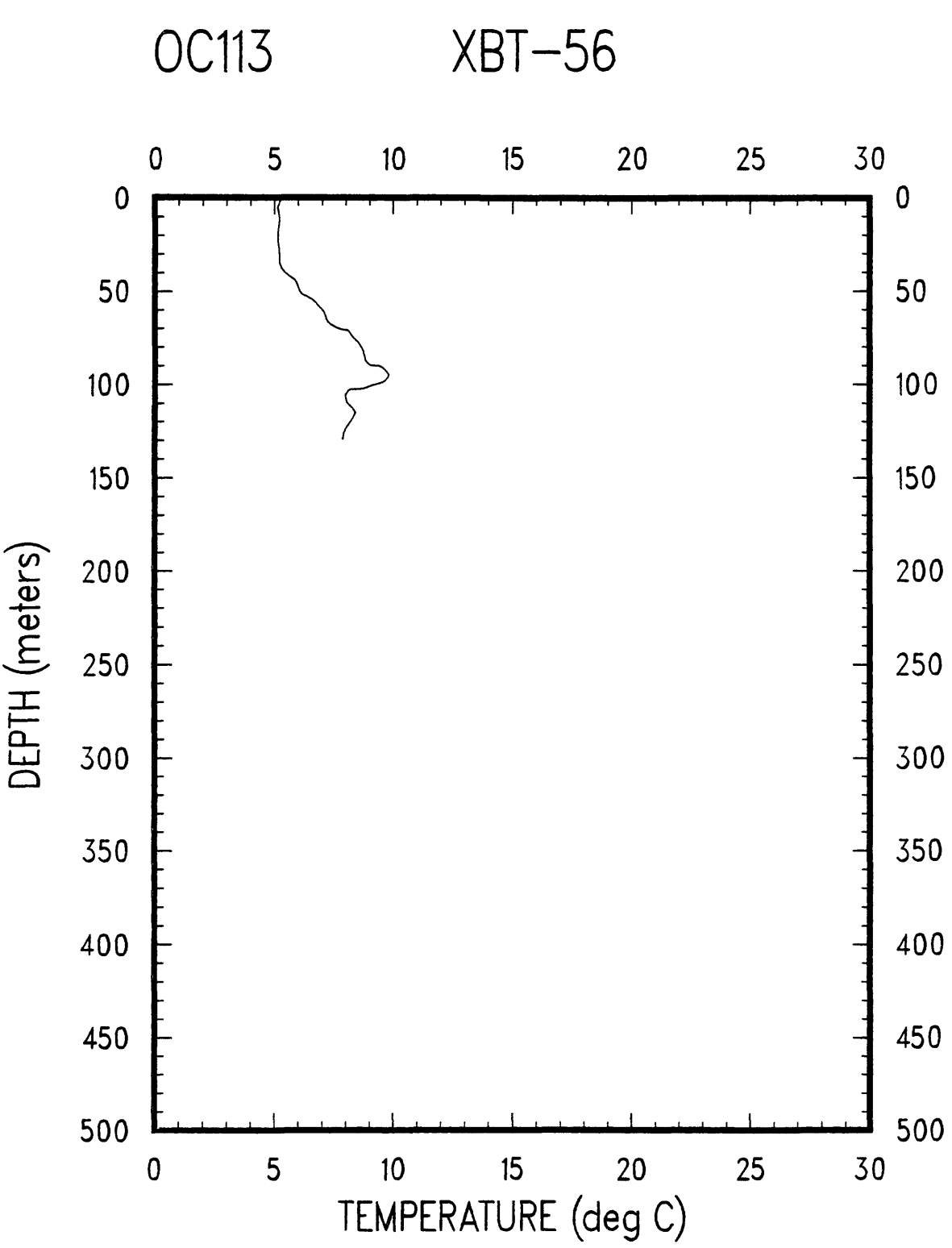
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC113A CAST #55




OC113
XBT-56
0
5
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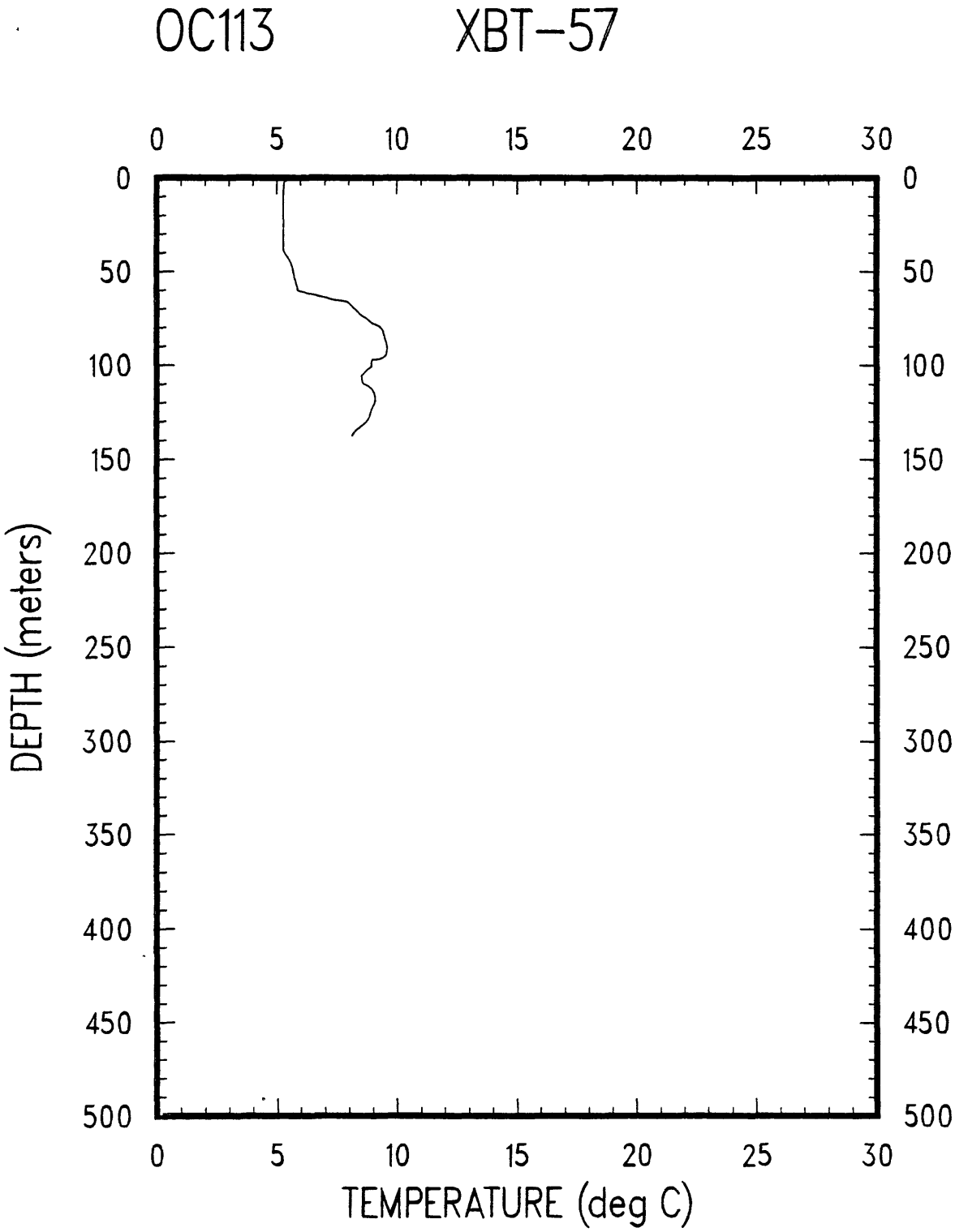
500
DEPTH (meters)
TEMPERATURE (deg C)


OC113
XBT-57
0
5
10
15
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25
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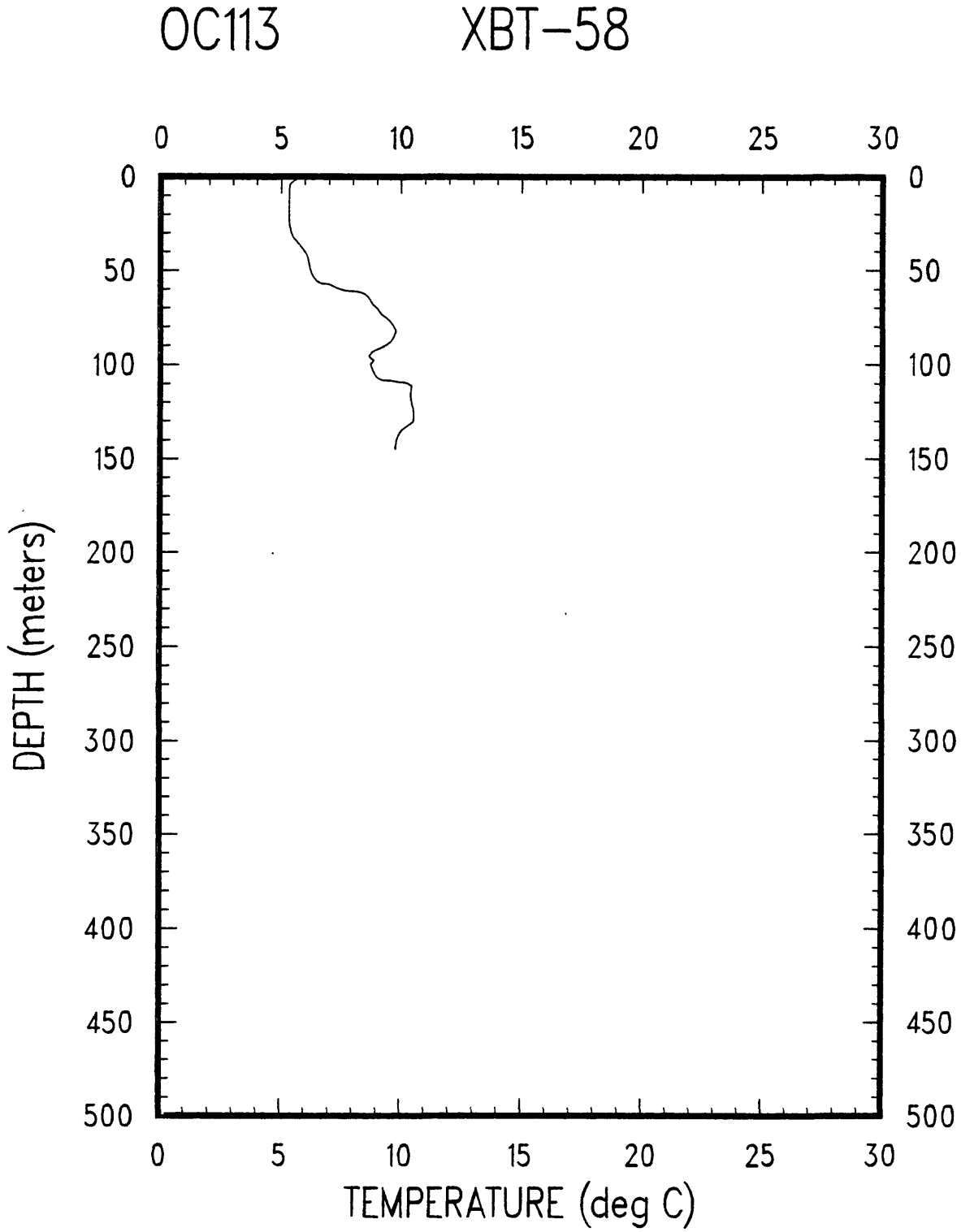
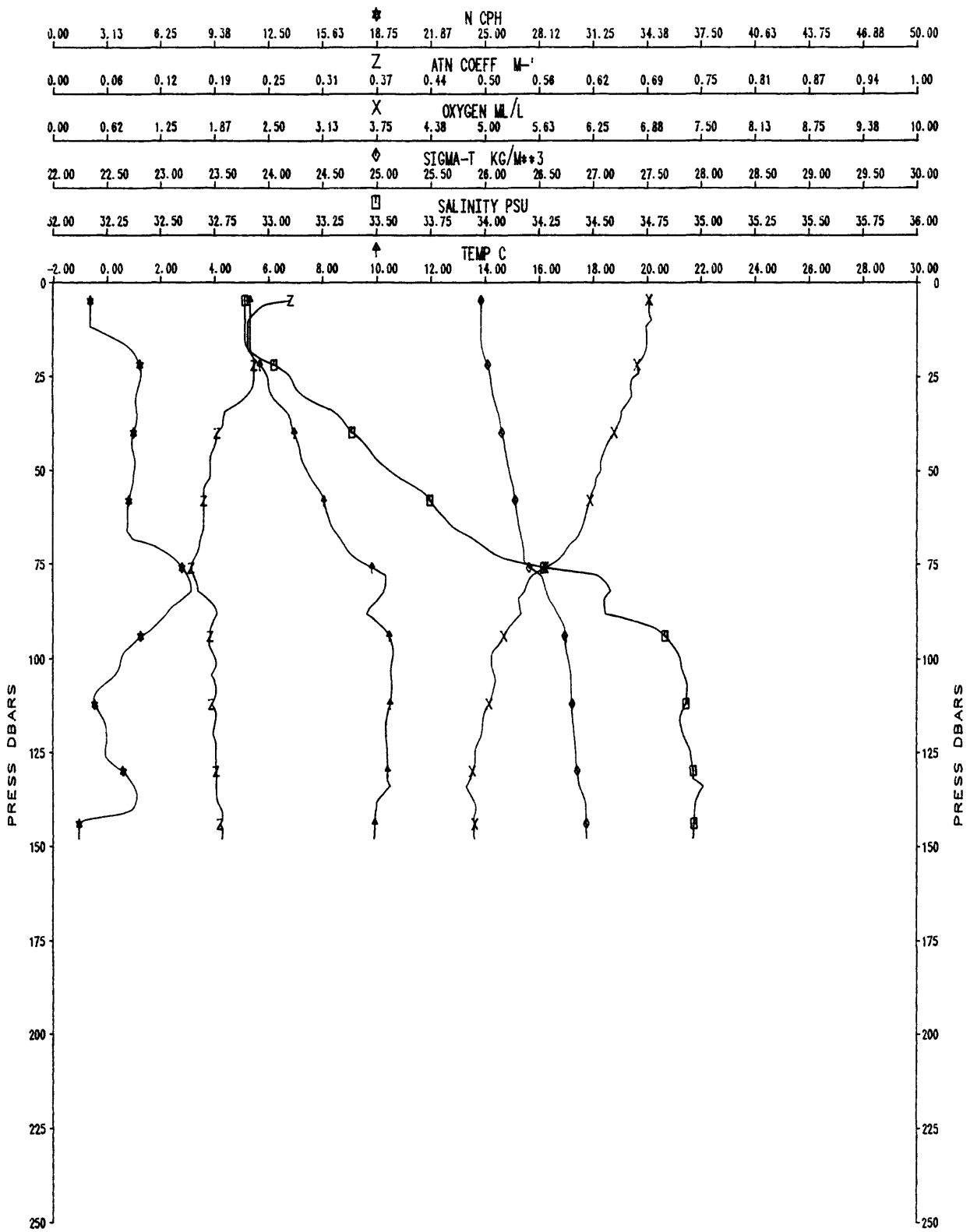
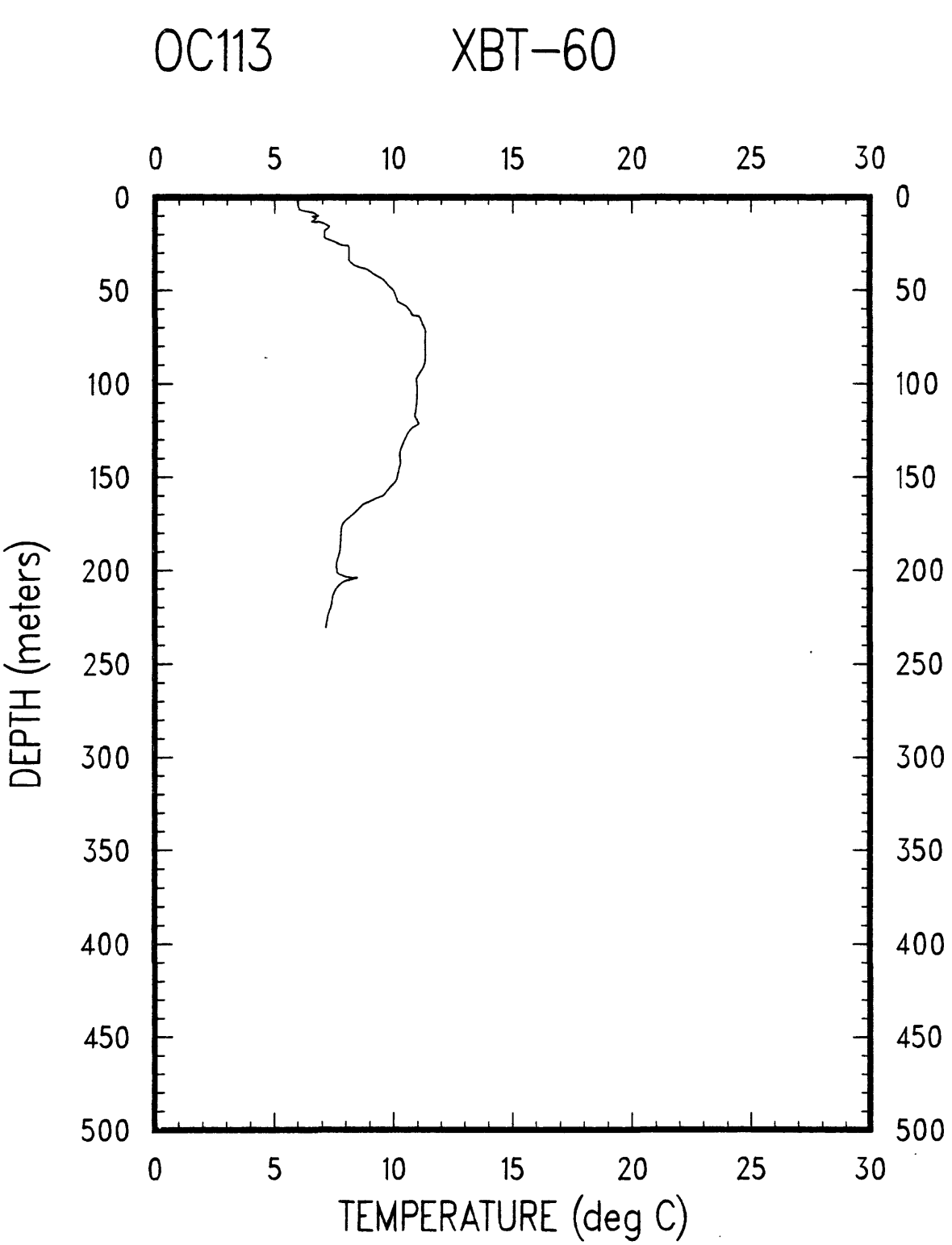
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC113
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)

OC113U CAST #59




OC113
XBT-60
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25
30
0
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100
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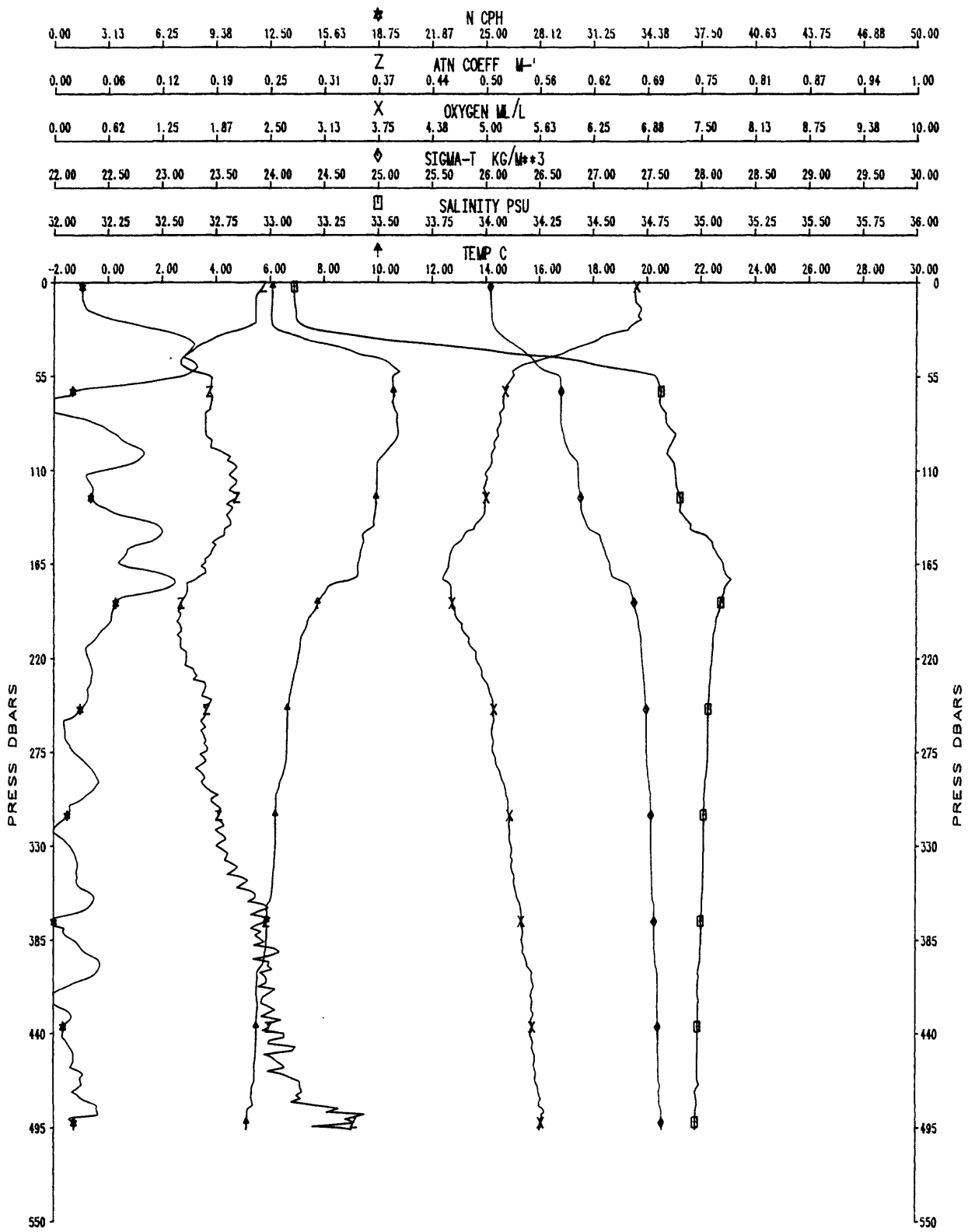
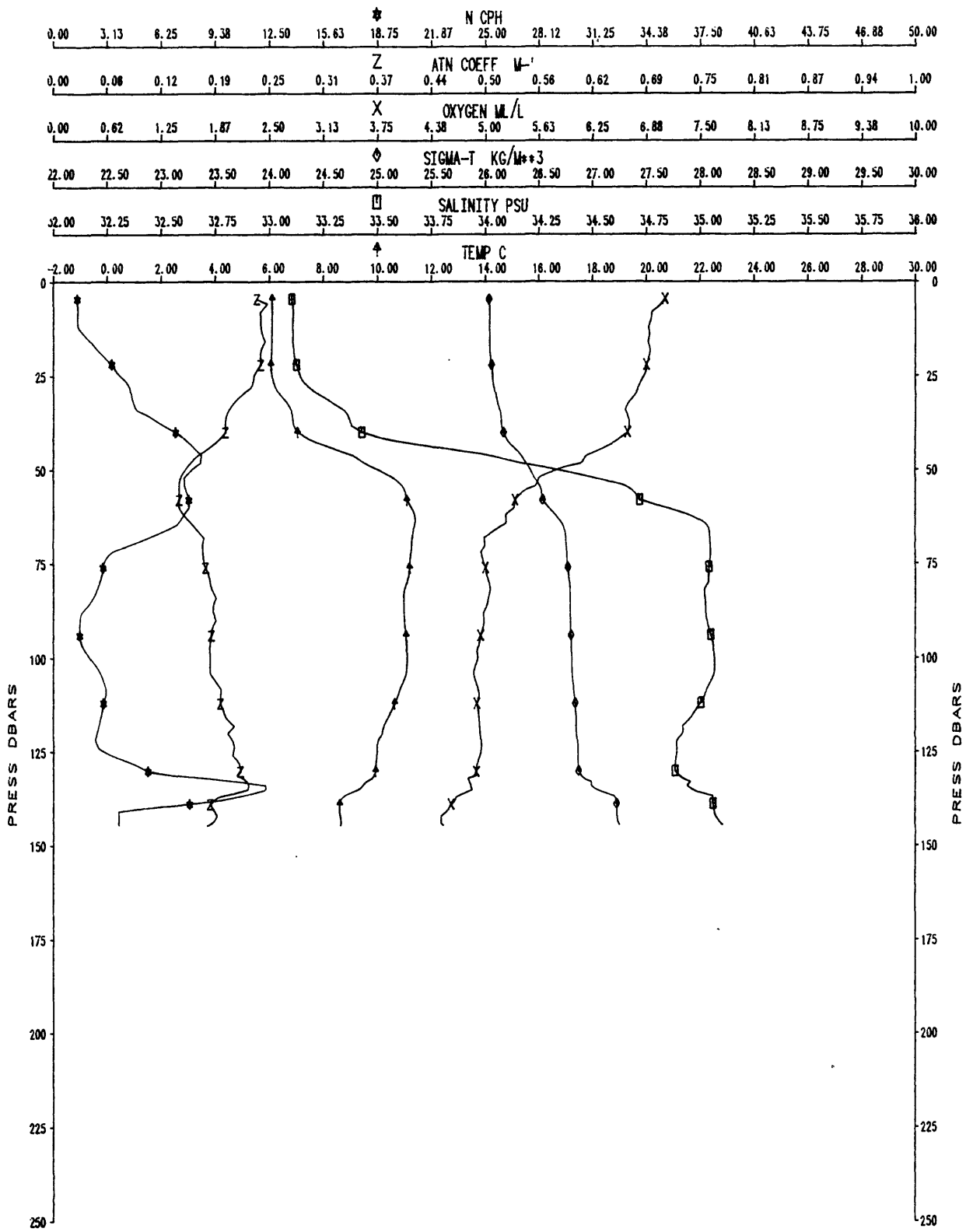
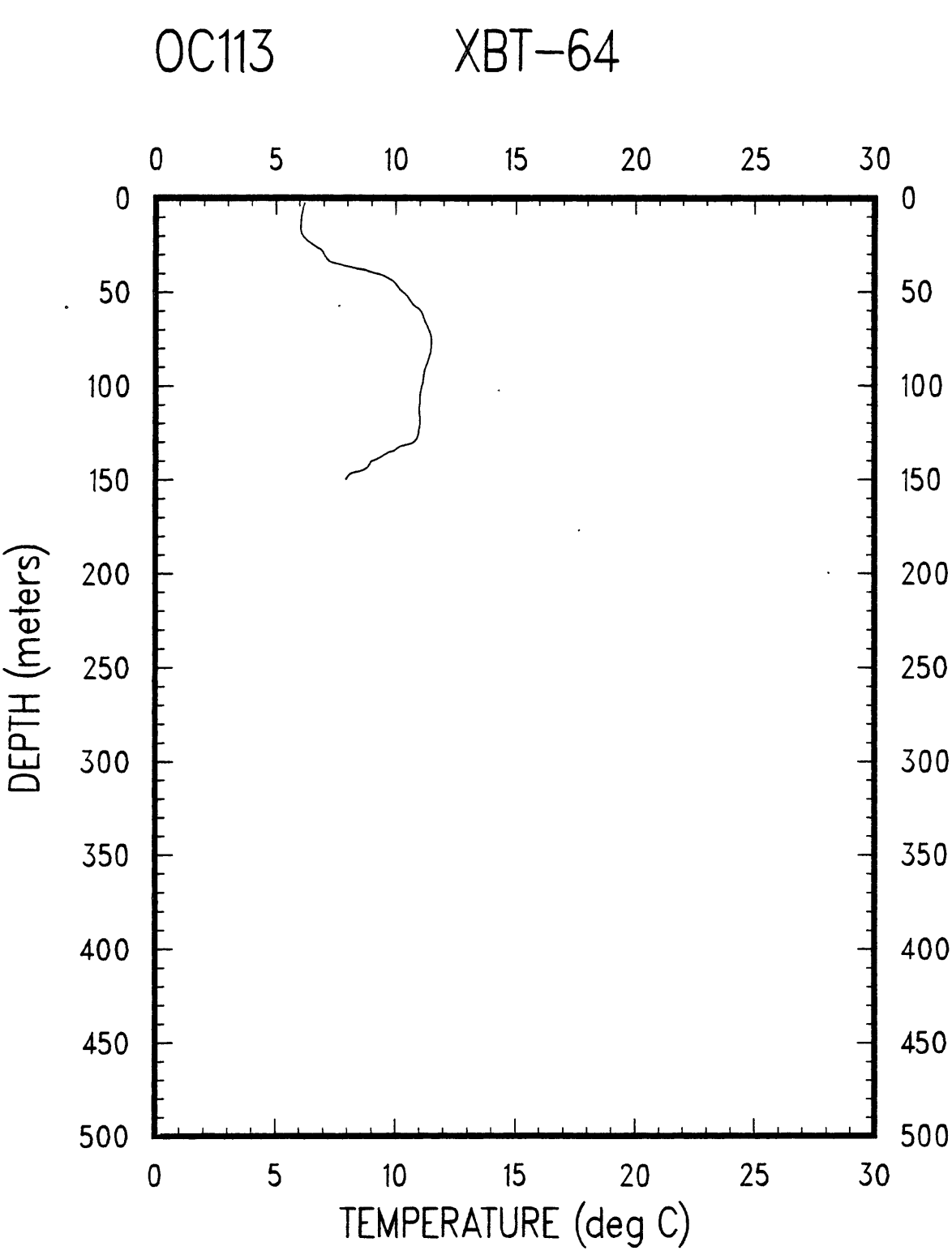
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC113U CAST #61



OC113B CAST #63




OC113
XBT-64
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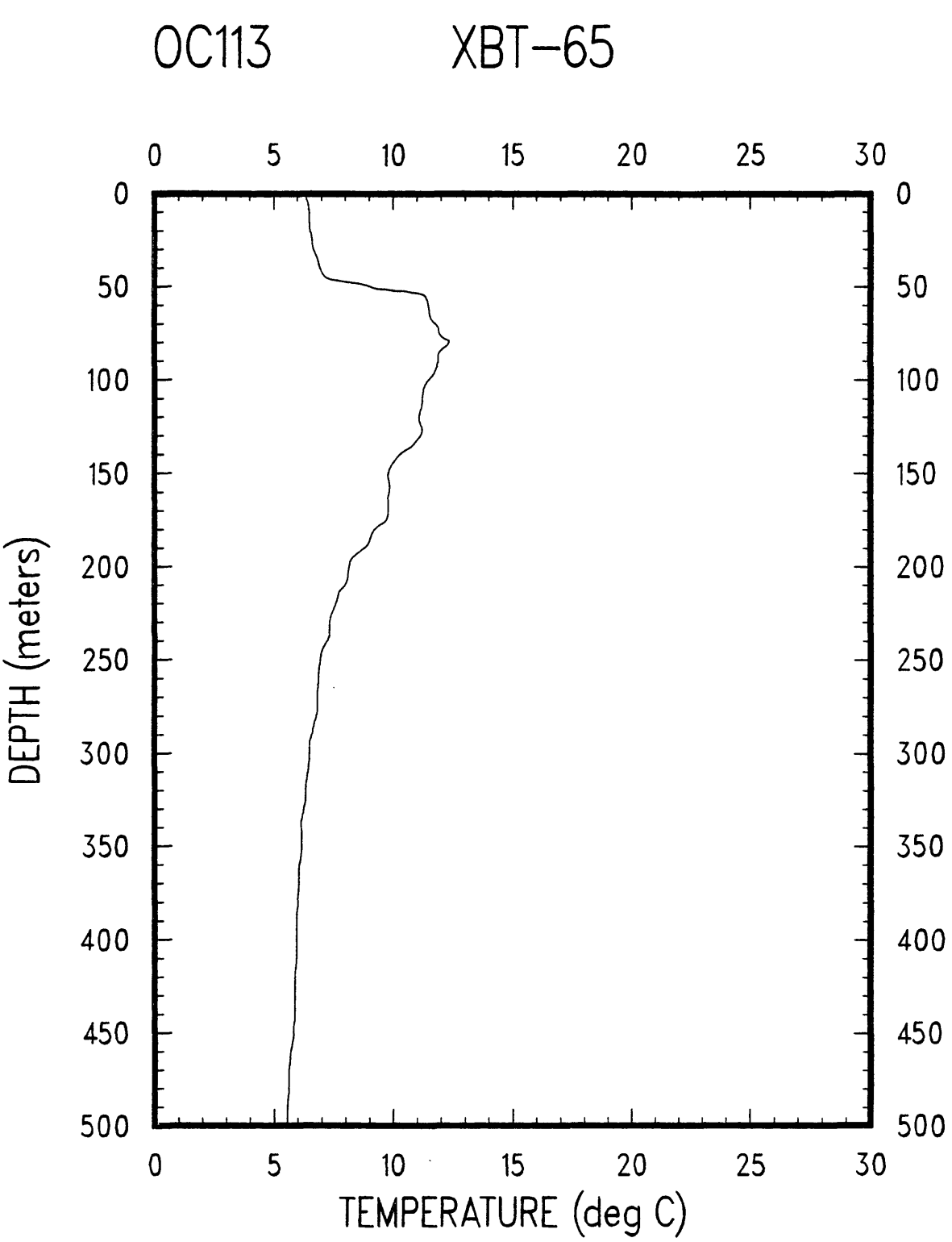
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC113
XBT-65
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25
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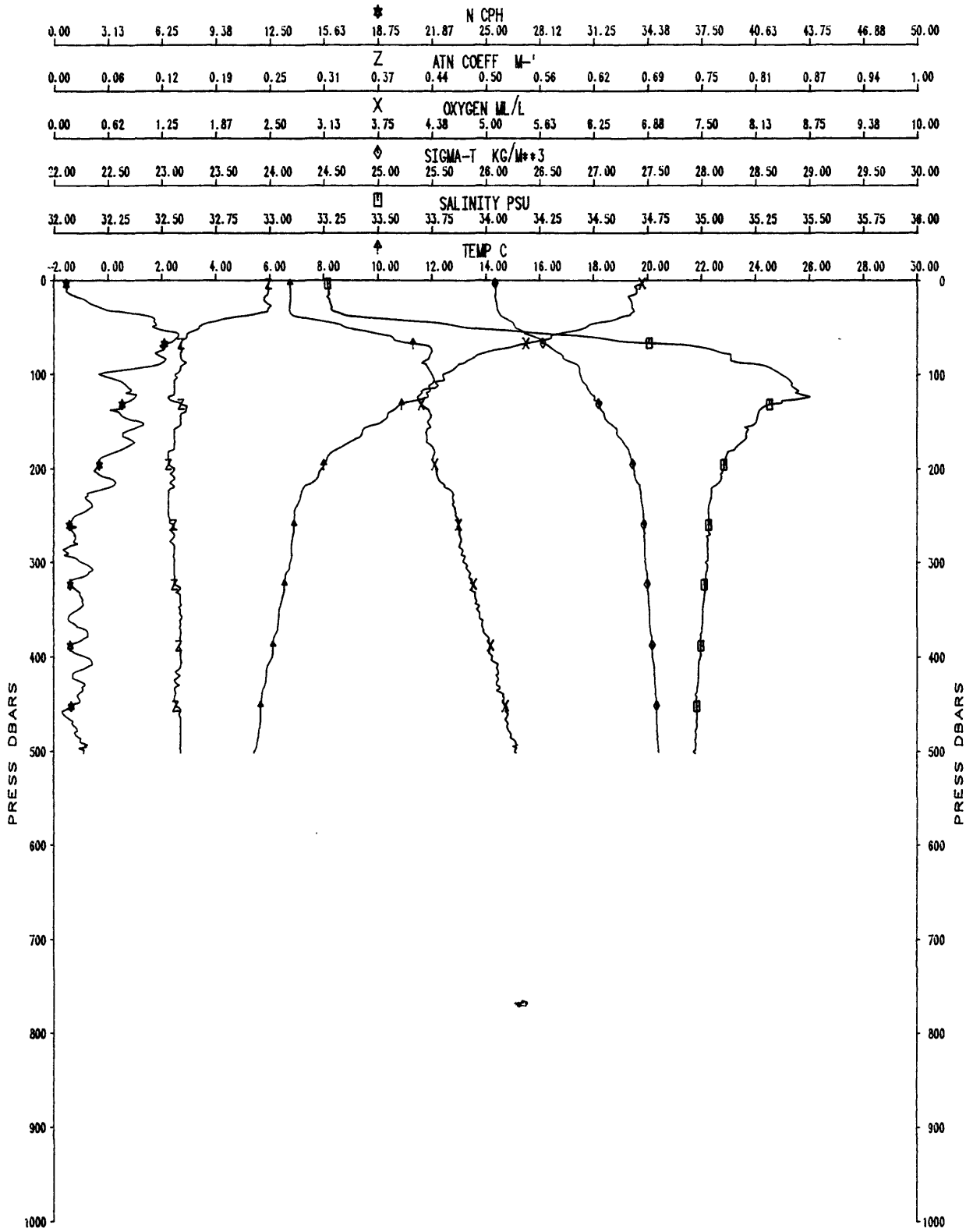
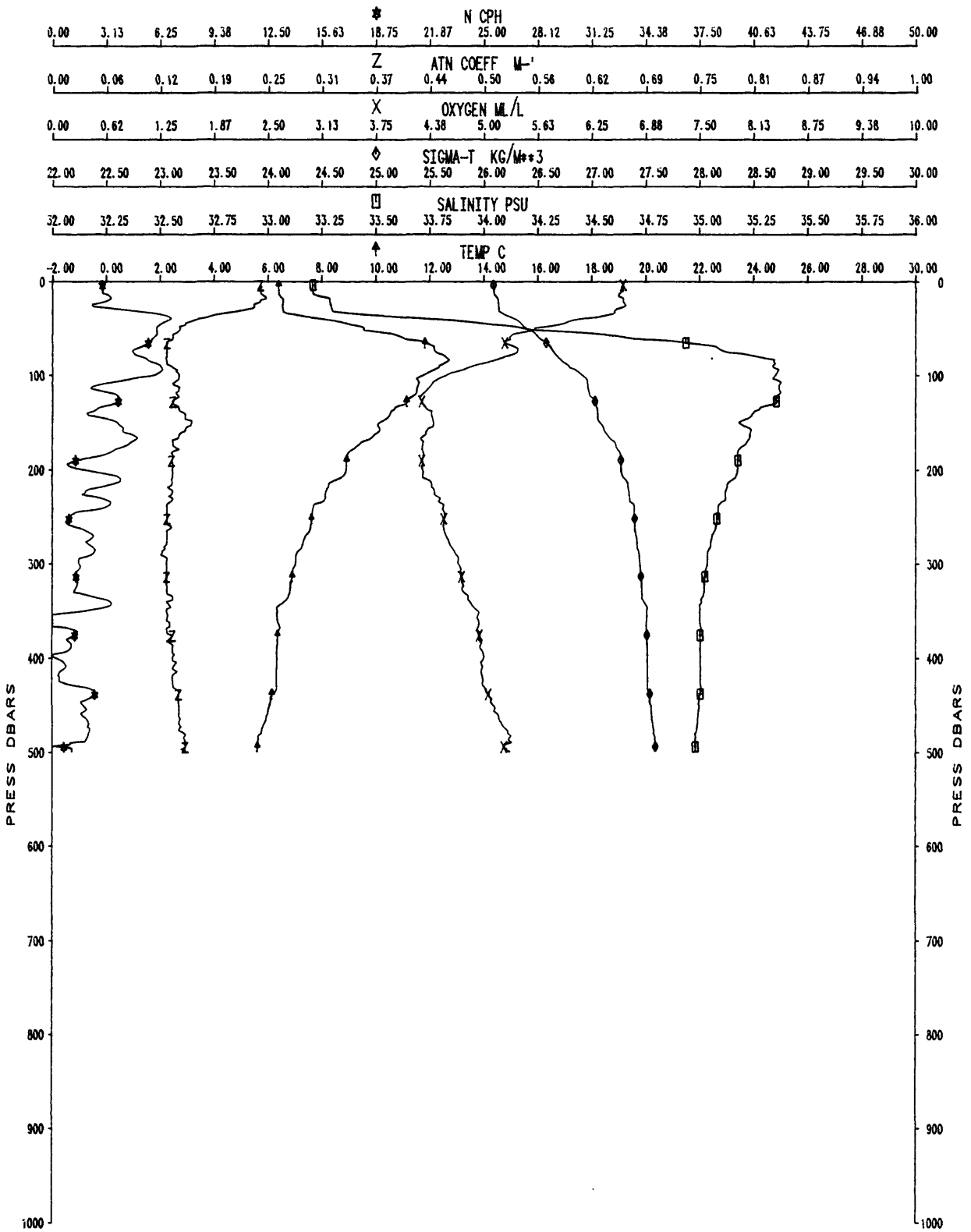
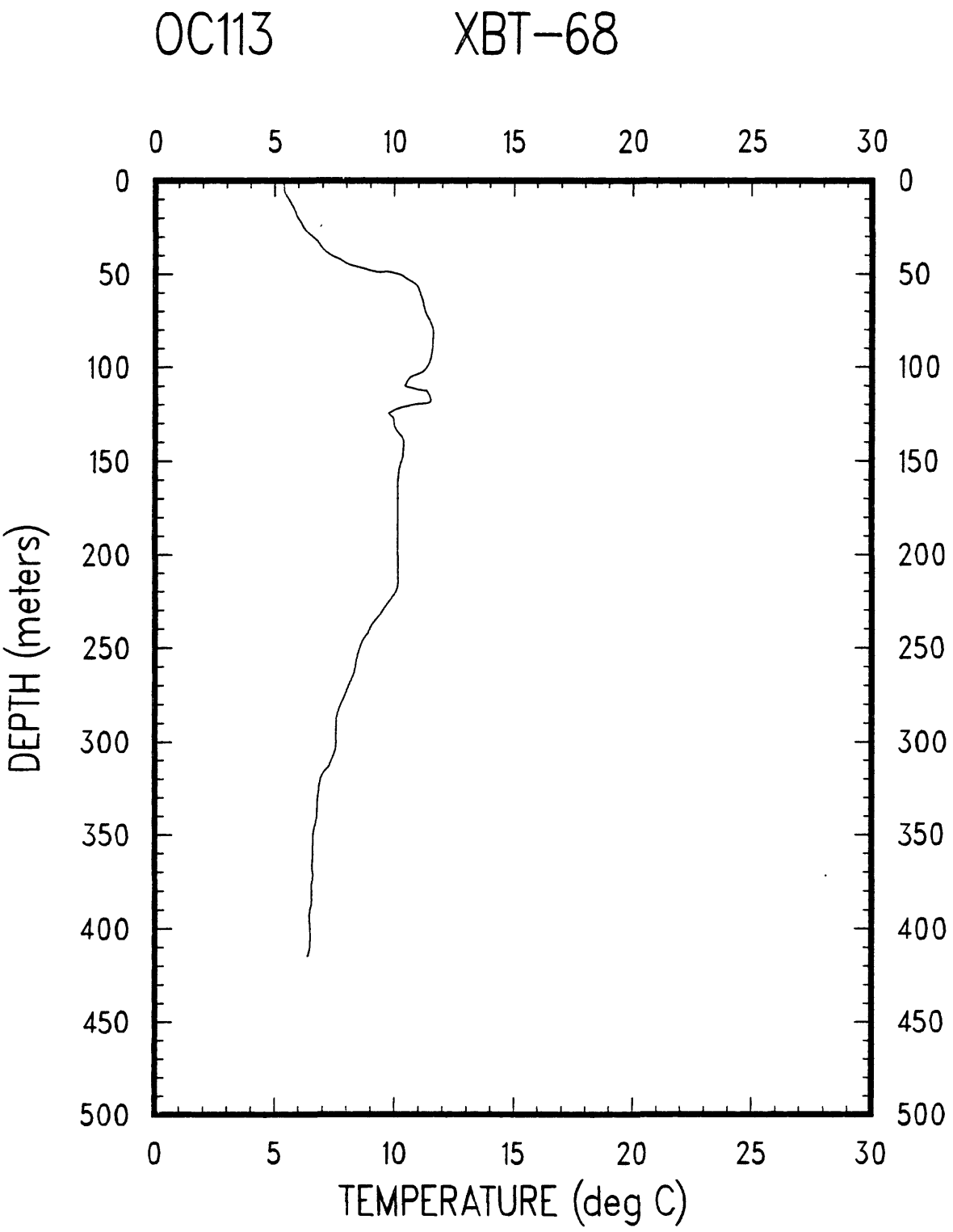
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC113D CAST #66



OC113U CAST #67




OC113
XBT-68
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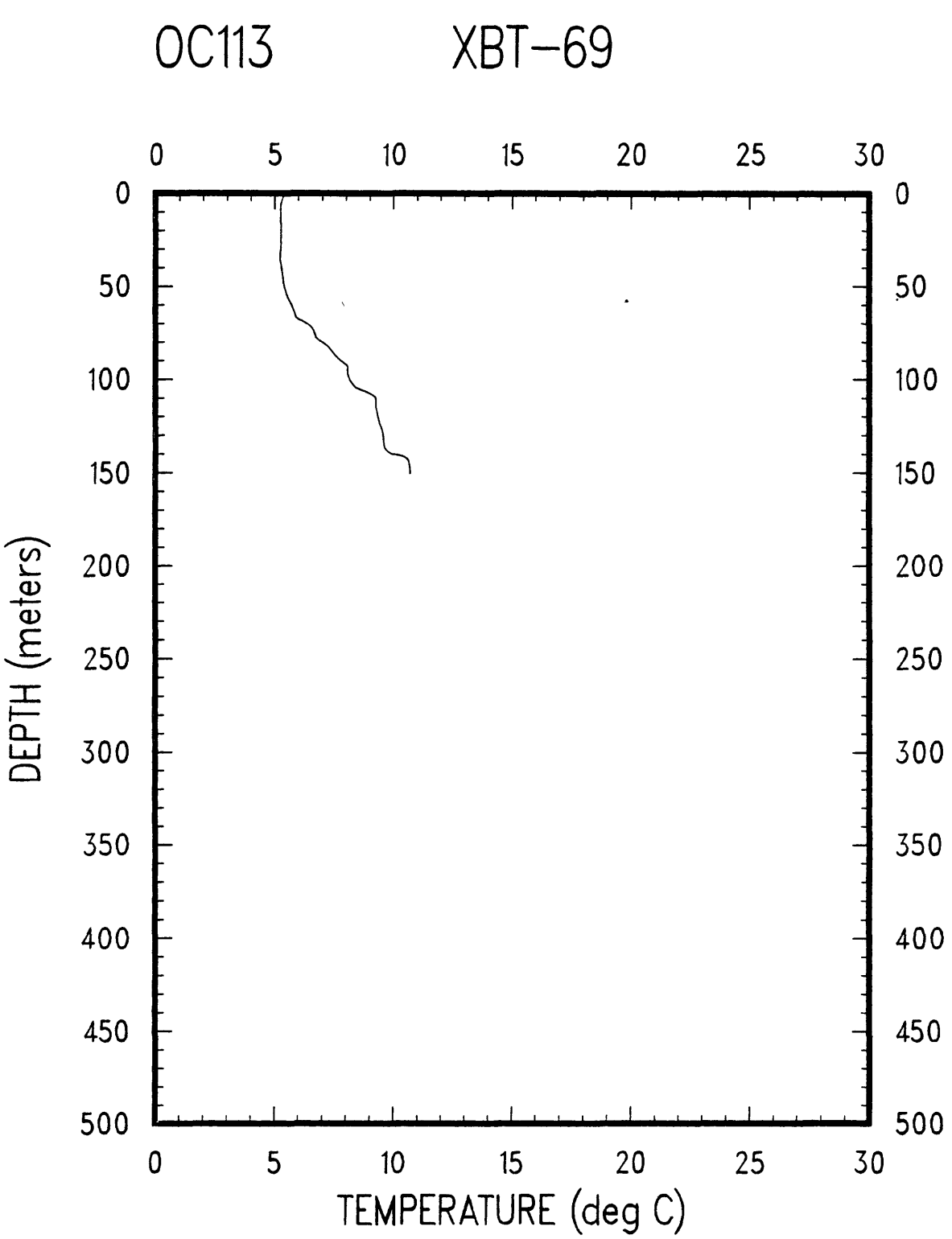
DEPTH (meters)
TEMPERATURE (deg C)


OC113
XBT-69
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350
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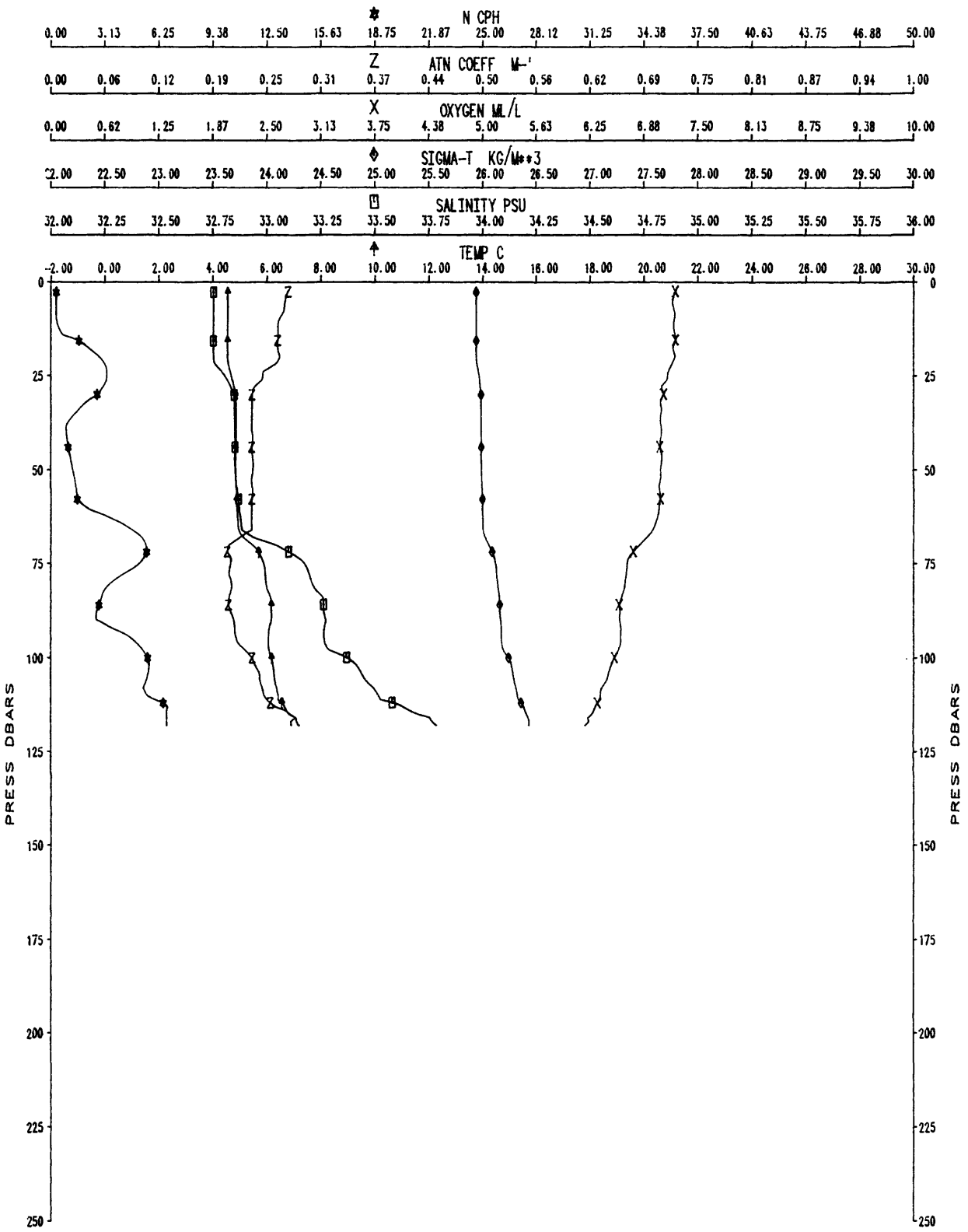
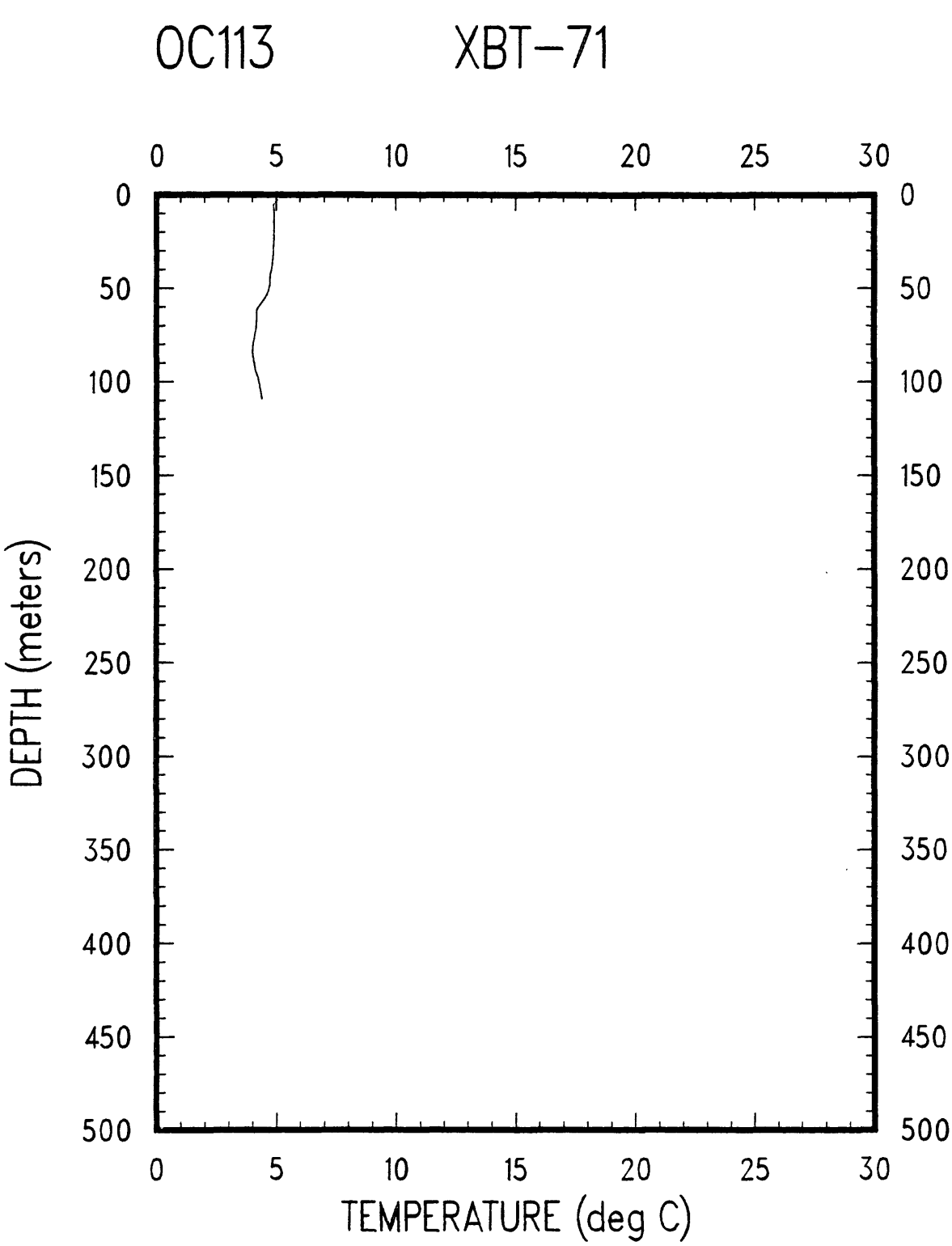
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC113U CAST #70




OC113
XBT-71
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25
30
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250
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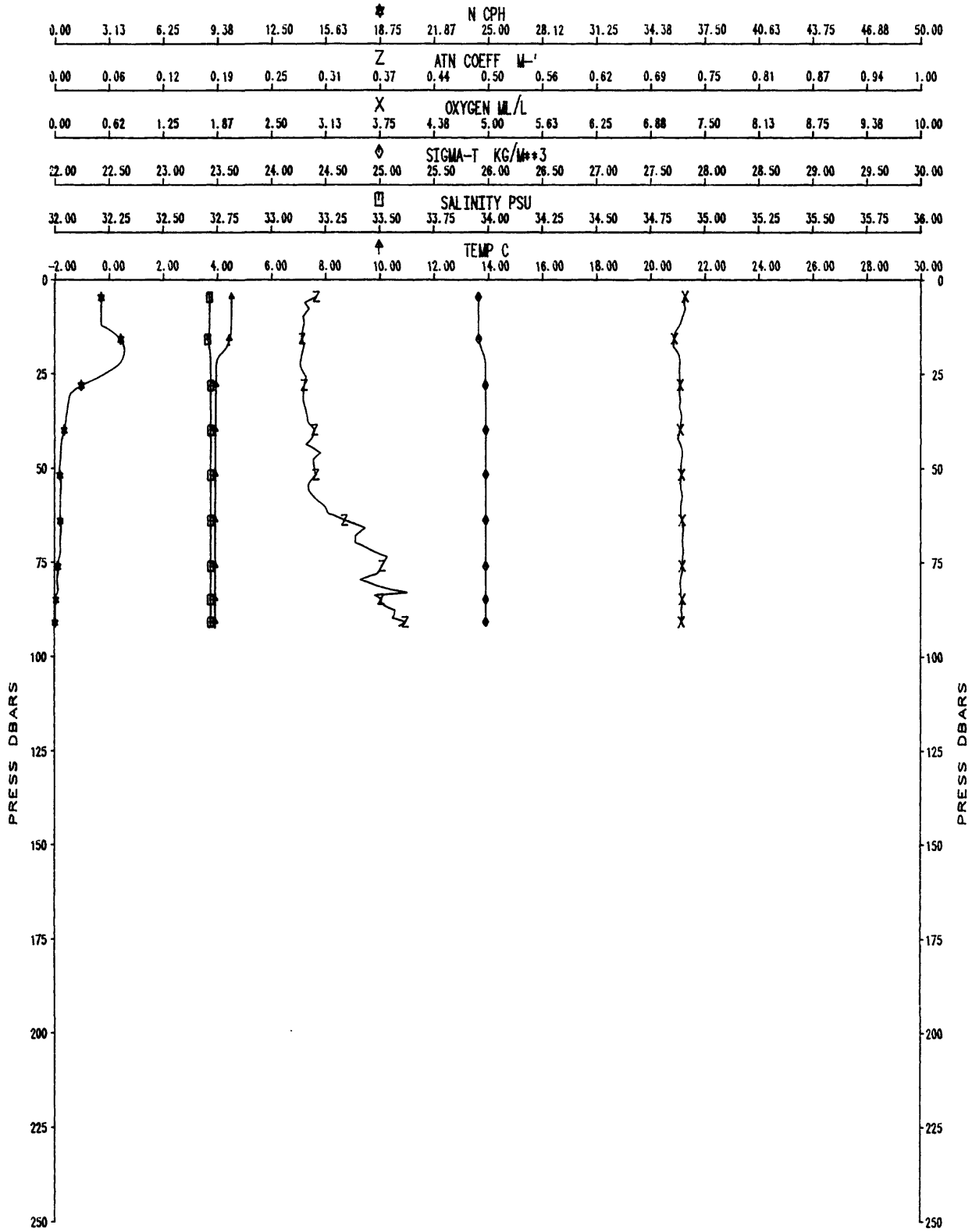
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC113A CAST #72



Appendix I. - Data listings

The 2-dbar-averaged data are listed in Appendix I. For the data listings, time is in Eastern Standard Time, SALIN is the salinity, OXY is the dissolved oxygen, ATN is the beam attenuation coefficient, SIGT is the density anomaly sigma-t, N is the Brunt-Vaisala frequency, DYHT A is the dynamic height anomaly, and S SPD is the speed of sound in seawater. For pressures greater than 500 dbar, the 2-dbar-averaged data are subsampled at 20-dbar intervals. The XBT for stations 60 and 62 malfunctioned so that there is no data for these stations.

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	1	29 JAN 1982	2109	40°25.3'N	67°40.0'W	480

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
7	6.9	5.868	33.105	6.86	0.41	26.071	0.000	1472.	1.3
8	8.0	5.869	33.104	6.90	0.41	26.071	0.002	1472.	1.3
10	10.1	5.859	33.103	6.90	0.40	26.072	0.006	1472.	1.3
12	11.7	5.859	33.103	6.87	0.39	26.071	0.009	1472.	1.3
14	14.3	5.862	33.105	6.81	0.37	26.072	0.014	1472.	1.3
16	15.8	5.860	33.103	6.83	0.37	26.071	0.017	1472.	1.2
18	18.0	5.868	33.108	6.84	0.37	26.074	0.022	1472.	1.2
20	19.9	5.885	33.115	6.80	0.37	26.078	0.025	1472.	1.2
22	22.0	5.908	33.121	6.81	0.37	26.079	0.029	1472.	1.4
24	24.1	5.897	33.114	6.83	0.37	26.076	0.033	1472.	2.1
26	25.7	5.894	33.114	6.85	0.37	26.076	0.036	1472.	2.4
28	28.1	5.932	33.124	6.83	0.36	26.079	0.041	1473.	2.8
30	30.0	5.973	33.136	6.80	0.36	26.084	0.045	1473.	3.4
32	31.8	6.120	33.191	6.78	0.36	26.109	0.048	1473.	3.9
34	34.0	6.195	33.195	6.80	0.35	26.102	0.052	1474.	4.5
36	36.0	6.376	33.243	6.78	0.35	26.117	0.056	1475.	5.1
38	38.2	6.715	33.328	6.72	0.34	26.140	0.060	1476.	6.0
39	39.8	6.942	33.383	6.69	0.33	26.153	0.063	1477.	6.6
42	42.0	7.365	33.495	6.62	0.32	26.183	0.067	1479.	7.1
44	44.1	7.925	33.652	6.51	0.31	26.227	0.071	1481.	7.3
45	45.8	8.582	33.866	6.35	0.29	26.296	0.074	1484.	7.6
48	48.1	9.263	34.030	6.20	0.28	26.317	0.078	1487.	7.8
50	49.9	9.611	34.127	6.10	0.28	26.336	0.081	1488.	7.9
52	52.0	10.172	34.300	5.96	0.27	26.376	0.085	1490.	7.9
54	54.1	10.813	34.508	5.76	0.27	26.426	0.088	1493.	8.0
56	56.1	11.261	34.683	5.57	0.25	26.481	0.091	1495.	8.0
58	58.0	11.501	34.778	5.45	0.25	26.511	0.094	1496.	7.6
59	59.9	11.722	34.890	5.23	0.24	26.557	0.097	1497.	6.9
61	61.9	12.018	35.047	5.13	0.24	26.622	0.100	1498.	6.0
63	64.0	12.319	35.091	5.02	0.24	26.598	0.103	1499.	4.9
65	66.0	12.434	35.129	4.96	0.23	26.606	0.106	1500.	3.9
67	68.0	12.473	35.146	4.94	0.23	26.612	0.108	1500.	2.6
69	70.0	12.496	35.152	4.94	0.23	26.611	0.111	1500.	1.8
72	72.3	12.513	35.161	4.94	0.23	26.615	0.115	1500.	2.7
73	73.8	12.529	35.165	4.92	0.23	26.615	0.117	1500.	2.9
75	76.0	12.579	35.181	4.91	0.23	26.618	0.120	1500.	3.1
77	78.1	12.682	35.227	4.87	0.23	26.633	0.123	1501.	3.4
79	79.9	12.727	35.252	4.83	0.23	26.644	0.126	1501.	3.7
81	82.1	12.736	35.264	4.83	0.23	26.651	0.129	1501.	4.3
83	84.1	12.742	35.271	4.77	0.23	26.655	0.131	1501.	4.6
85	85.9	12.800	35.302	4.72	0.23	26.668	0.134	1501.	4.9
87	88.0	12.796	35.322	4.72	0.23	26.684	0.137	1501.	5.3
89	90.1	12.780	35.363	4.68	0.23	26.719	0.140	1501.	5.5
91	92.0	12.758	35.372	4.59	0.23	26.730	0.142	1501.	5.6
93	94.1	12.699	35.388	4.58	0.23	26.755	0.145	1501.	5.4
95	96.2	12.601	35.394	4.56	0.23	26.779	0.148	1501.	5.0
97	97.9	12.546	35.399	4.50	0.23	26.793	0.150	1501.	4.6
99	100.1	12.511	35.401	4.49	0.23	26.802	0.153	1501.	4.5
101	102.0	12.508	35.404	4.45	0.23	26.805	0.155	1501.	4.6
103	103.9	12.488	35.405	4.41	0.23	26.810	0.157	1501.	4.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	1	29 JAN 1982	2109	40°25.3'N	67°40.0'W	480

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
105	106.0	12.435	35.409	4.40	0.23	26.823	0.160	1501.	4.7
107	108.2	12.266	35.404	4.42	0.23	26.852	0.163	1500.	4.7
109	110.0	12.099	35.399	4.42	0.24	26.881	0.165	1499.	4.5
111	112.0	12.067	35.397	4.37	0.24	26.885	0.167	1499.	4.1
113	114.0	12.043	35.395	4.36	0.25	26.888	0.170	1499.	3.4
115	116.0	12.035	35.395	4.34	0.25	26.889	0.172	1499.	2.5
117	118.0	12.024	35.394	4.34	0.25	26.891	0.174	1499.	1.8
119	120.0	12.010	35.393	4.34	0.25	26.893	0.177	1499.	1.6
121	122.1	12.001	35.393	4.35	0.25	26.895	0.179	1499.	1.6
123	123.8	11.990	35.392	4.34	0.25	26.896	0.181	1499.	1.6
125	126.0	11.987	35.392	4.35	0.25	26.897	0.184	1499.	1.7
127	128.0	11.986	35.392	4.33	0.25	26.897	0.186	1499.	1.9
129	130.1	11.956	35.390	4.33	0.25	26.901	0.189	1499.	2.2
131	131.9	11.937	35.388	4.30	0.25	26.903	0.191	1499.	2.5
133	133.9	11.919	35.389	4.26	0.25	26.907	0.193	1499.	2.7
135	136.0	11.883	35.386	4.27	0.25	26.912	0.196	1499.	3.1
137	138.2	11.832	35.386	4.29	0.25	26.922	0.198	1499.	3.2
139	139.8	11.792	35.381	4.27	0.25	26.925	0.200	1499.	3.1
141	142.0	11.759	35.382	4.27	0.25	26.932	0.202	1499.	3.0
143	144.3	11.663	35.376	4.28	0.25	26.946	0.205	1498.	2.7
145	145.7	11.652	35.372	4.27	0.25	26.945	0.207	1498.	2.5
147	148.0	11.659	35.375	4.26	0.25	26.946	0.209	1499.	2.4
149	150.0	11.657	35.375	4.25	0.25	26.946	0.212	1499.	2.4
151	152.2	11.652	35.375	4.24	0.25	26.947	0.214	1499.	2.4
153	153.9	11.558	35.362	4.22	0.24	26.955	0.216	1498.	2.6
155	156.1	11.522	35.362	4.22	0.24	26.962	0.218	1498.	2.6
157	157.9	11.474	35.356	4.24	0.24	26.966	0.220	1498.	2.7
159	160.3	11.447	35.356	4.24	0.25	26.971	0.223	1498.	2.9
161	161.8	11.433	35.356	4.22	0.25	26.974	0.225	1498.	3.1
163	164.0	11.423	35.355	4.21	0.25	26.975	0.227	1498.	3.3
165	166.3	11.387	35.354	4.23	0.25	26.980	0.230	1498.	3.4
167	167.9	11.217	35.335	4.24	0.25	26.997	0.232	1497.	3.5
169	170.1	11.113	35.324	4.23	0.26	27.008	0.234	1497.	3.5
171	172.1	11.041	35.317	4.21	0.26	27.015	0.236	1497.	3.3
173	173.9	11.029	35.316	4.18	0.26	27.017	0.238	1497.	2.9
175	176.2	10.996	35.315	4.18	0.26	27.022	0.240	1497.	2.4
176	177.9	10.968	35.312	4.18	0.26	27.025	0.242	1497.	2.0
179	180.2	10.946	35.306	4.18	0.26	27.025	0.245	1497.	1.7
180	181.9	10.921	35.303	4.19	0.26	27.027	0.247	1496.	1.7
182	183.9	10.907	35.302	4.19	0.26	27.028	0.249	1496.	1.6
185	186.1	10.875	35.296	4.19	0.26	27.029	0.251	1496.	1.7
186	188.0	10.855	35.292	4.20	0.26	27.029	0.253	1496.	1.8
188	190.0	10.817	35.287	4.19	0.26	27.032	0.255	1496.	1.8
190	192.0	10.796	35.286	4.19	0.27	27.036	0.257	1496.	1.8
193	194.2	10.750	35.278	4.19	0.27	27.038	0.260	1496.	1.8
194	195.9	10.719	35.274	4.19	0.27	27.040	0.261	1496.	1.8
196	198.0	10.695	35.269	4.18	0.27	27.040	0.264	1496.	2.5
198	200.0	10.667	35.264	4.18	0.27	27.042	0.266	1496.	3.0
200	202.0	10.698	35.271	4.17	0.27	27.042	0.268	1496.	3.5
202	204.0	10.590	35.254	4.17	0.27	27.048	0.270	1496.	3.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	1	29 JAN 1982	2109	40°25.3'N	67°40.0'W	480

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
204	206.1	10.364	35.242	4.20	0.27	27.079	0.272	1495.	3.9
206	208.0	10.270	35.228	4.18	0.27	27.083	0.274	1494.	3.9
208	210.1	10.166	35.220	4.18	0.27	27.095	0.276	1494.	3.8
210	212.1	10.144	35.218	4.16	0.26	27.098	0.278	1494.	3.6
212	213.9	10.134	35.220	4.14	0.26	27.101	0.280	1494.	3.1
214	216.1	10.118	35.222	4.13	0.26	27.106	0.282	1494.	3.0
216	218.0	10.059	35.223	4.13	0.26	27.117	0.284	1494.	3.2
218	219.9	10.018	35.221	4.11	0.26	27.122	0.286	1494.	3.7
220	222.0	10.011	35.222	4.10	0.26	27.124	0.288	1494.	4.3
222	224.2	9.978	35.220	4.10	0.26	27.128	0.290	1494.	4.9
224	225.8	9.784	35.208	4.12	0.26	27.152	0.292	1493.	5.2
226	228.0	9.615	35.198	4.13	0.25	27.173	0.294	1492.	5.3
228	230.0	9.315	35.173	4.17	0.25	27.203	0.296	1491.	5.3
230	232.0	9.101	35.164	4.19	0.25	27.230	0.297	1491.	5.0
232	233.9	9.099	35.168	4.20	0.25	27.234	0.299	1491.	4.4
234	236.0	9.090	35.169	4.19	0.25	27.236	0.301	1491.	3.8
236	238.1	9.046	35.168	4.19	0.24	27.242	0.303	1490.	3.5
238	239.9	9.013	35.166	4.19	0.24	27.246	0.304	1490.	3.4
240	242.0	8.930	35.161	4.18	0.24	27.255	0.306	1490.	3.6
242	243.9	8.825	35.137	4.19	0.24	27.254	0.308	1490.	3.7
244	246.0	8.713	35.148	4.20	0.24	27.281	0.309	1489.	3.7
246	248.1	8.626	35.142	4.21	0.24	27.289	0.311	1489.	3.8
248	249.9	8.617	35.141	4.23	0.23	27.290	0.313	1489.	3.7
250	251.9	8.599	35.141	4.25	0.24	27.293	0.314	1489.	3.6
252	254.0	8.475	35.135	4.27	0.24	27.307	0.316	1489.	3.1
254	256.1	8.352	35.120	4.30	0.24	27.315	0.318	1488.	3.0
256	258.0	8.309	35.119	4.34	0.24	27.320	0.319	1488.	2.8
258	260.2	8.275	35.116	4.33	0.24	27.323	0.321	1488.	2.5
260	262.0	8.254	35.111	4.34	0.23	27.322	0.322	1488.	2.1
262	263.8	8.259	35.115	4.36	0.23	27.325	0.324	1488.	2.1
264	266.1	8.237	35.114	4.37	0.23	27.328	0.326	1488.	2.2
265	267.7	8.192	35.101	4.36	0.23	27.324	0.327	1488.	2.5
268	270.0	8.126	35.103	4.39	0.23	27.336	0.329	1488.	3.2
270	272.0	8.076	35.099	4.41	0.24	27.340	0.330	1487.	3.8
272	273.9	7.993	35.088	4.45	0.24	27.344	0.332	1487.	4.2
274	276.2	7.873	35.073	4.48	0.25	27.351	0.333	1487.	4.5
276	277.9	7.589	35.057	4.55	0.25	27.380	0.335	1486.	4.5
278	280.0	7.464	35.057	4.59	0.26	27.398	0.336	1485.	4.4
280	282.1	7.380	35.053	4.63	0.26	27.407	0.338	1485.	4.2
282	284.2	7.318	35.051	4.67	0.25	27.414	0.339	1485.	3.7
283	285.9	7.292	35.050	4.68	0.26	27.417	0.340	1485.	3.0
286	288.1	7.236	35.049	4.70	0.26	27.425	0.342	1484.	2.5
288	290.1	7.207	35.047	4.70	0.26	27.427	0.343	1484.	2.2
290	292.2	7.197	35.044	4.73	0.26	27.426	0.345	1484.	2.1
291	293.9	7.173	35.041	4.73	0.26	27.427	0.346	1484.	2.0
294	296.0	7.148	35.038	4.74	0.27	27.428	0.347	1484.	1.8
296	298.3	7.089	35.037	4.74	0.27	27.436	0.349	1484.	1.8
297	299.7	7.065	35.033	4.79	0.27	27.436	0.350	1484.	1.9
299	302.0	7.081	35.037	4.79	0.27	27.437	0.351	1484.	2.0
302	304.1	7.072	35.036	4.78	0.27	27.438	0.353	1484.	2.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	1	29 JAN 1982	2109	40°25.3'N	67°40.0'W	480

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
303	305.7	7.022	35.031	4.81	0.27	27.440	0.354	1484.	2.2
305	308.0	7.018	35.032	4.82	0.28	27.442	0.356	1484.	2.3
307	310.1	6.961	35.031	4.81	0.28	27.449	0.357	1484.	2.5
310	312.3	6.901	35.027	4.84	0.27	27.454	0.358	1483.	2.6
311	313.8	6.871	35.025	4.87	0.27	27.457	0.359	1483.	2.6
313	316.0	6.824	35.021	4.86	0.28	27.460	0.361	1483.	2.5
315	318.1	6.767	35.019	4.85	0.28	27.466	0.362	1483.	2.2
317	319.7	6.758	35.018	4.89	0.27	27.467	0.363	1483.	2.0
319	322.0	6.736	35.017	4.89	0.28	27.469	0.365	1483.	1.9
321	324.0	6.724	35.017	4.89	0.28	27.470	0.366	1483.	1.9
324	326.3	6.713	35.017	4.91	0.28	27.472	0.368	1483.	1.9
325	327.8	6.708	35.016	4.93	0.28	27.472	0.369	1483.	2.0
327	329.9	6.683	35.016	4.91	0.28	27.475	0.370	1483.	2.0
329	332.0	6.647	35.017	4.91	0.28	27.481	0.371	1483.	2.0
331	334.3	6.614	35.016	4.92	0.27	27.484	0.373	1483.	2.0
333	335.7	6.609	35.014	4.93	0.27	27.484	0.374	1483.	1.8
335	338.0	6.603	35.015	4.91	0.28	27.485	0.375	1483.	1.6
337	340.1	6.594	35.016	4.91	0.29	27.488	0.377	1483.	1.3
339	342.0	6.591	35.017	4.94	0.27	27.488	0.378	1483.	1.1
341	343.9	6.588	35.016	4.92	0.28	27.489	0.379	1483.	1.1
343	346.0	6.585	35.017	4.91	0.28	27.489	0.380	1483.	1.0
345	348.0	6.583	35.016	4.92	0.28	27.489	0.382	1483.	1.0
347	350.2	6.574	35.016	4.94	0.28	27.490	0.383	1483.	1.1
349	351.9	6.569	35.015	4.94	0.28	27.490	0.384	1483.	1.2
351	354.2	6.554	35.015	4.94	0.28	27.492	0.386	1483.	1.2
353	355.9	6.540	35.014	4.96	0.28	27.493	0.387	1483.	1.3
355	358.0	6.536	35.014	4.96	0.28	27.493	0.388	1483.	1.7
357	360.1	6.529	35.014	4.96	0.28	27.494	0.389	1483.	2.5
359	362.0	6.525	35.014	4.97	0.28	27.495	0.391	1483.	2.8
361	363.9	6.502	35.014	4.98	0.28	27.498	0.392	1483.	3.0
363	366.1	6.400	35.009	5.00	0.28	27.508	0.393	1482.	3.0
365	368.0	6.263	35.012	5.03	0.27	27.528	0.394	1482.	2.8
367	369.9	6.235	35.004	5.05	0.28	27.526	0.395	1482.	2.4
369	372.0	6.220	35.004	5.04	0.29	27.528	0.397	1482.	1.8
371	374.1	6.252	35.008	5.04	0.29	27.526	0.398	1482.	0.6
373	376.0	6.289	35.009	5.07	0.28	27.522	0.399	1482.	-0.6
375	378.1	6.289	35.005	5.04	0.29	27.520	0.400	1482.	1.7
377	380.3	6.285	35.007	5.06	0.28	27.522	0.402	1482.	2.3
379	382.0	6.300	35.008	5.07	0.28	27.521	0.403	1482.	2.9
381	384.1	6.180	35.004	5.09	0.28	27.533	0.404	1482.	3.3
383	386.0	5.995	34.995	5.11	0.28	27.549	0.405	1481.	3.3
385	388.0	5.966	34.994	5.12	0.28	27.553	0.406	1481.	3.2
387	390.0	5.913	34.995	5.15	0.28	27.560	0.407	1481.	2.9
389	392.0	5.896	34.994	5.16	0.29	27.562	0.409	1481.	2.3
391	394.2	5.890	34.994	5.16	0.28	27.562	0.410	1481.	1.6
392	395.9	5.887	34.994	5.18	0.28	27.563	0.411	1481.	1.3
395	398.0	5.895	34.995	5.18	0.29	27.563	0.412	1481.	1.0
397	400.1	5.895	34.995	5.18	0.29	27.562	0.413	1481.	1.0
398	402.0	5.883	34.994	5.19	0.28	27.563	0.414	1481.	1.0
400	404.0	5.874	34.994	5.18	0.28	27.564	0.415	1481.	1.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	1	29 JAN 1982	2109	40°25.3'N	67°40.0'W	480

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
403	406.1	5.861	34.993	5.18	0.29	27.565	0.417	1481.	1.0
404	407.9	5.858	34.993	5.20	0.28	27.566	0.418	1481.	1.0
406	410.0	5.856	34.993	5.19	0.29	27.566	0.419	1481.	0.9
408	412.0	5.854	34.993	5.20	0.29	27.566	0.420	1481.	0.8
410	413.9	5.851	34.993	5.20	0.28	27.566	0.421	1481.	0.8
412	416.0	5.846	34.993	5.21	0.29	27.567	0.422	1481.	0.9
414	418.1	5.838	34.993	5.22	0.29	27.568	0.423	1481.	1.0
416	419.8	5.840	34.993	5.23	0.29	27.567	0.424	1481.	1.0
418	421.3	5.828	34.992	5.21	0.30	27.568	0.425	1481.	1.1
418	422.0	5.825	34.992	5.22	0.30	27.569	0.426	1481.	1.1
419	423.0	5.822	34.992	5.22	0.30	27.570	0.426	1481.	1.1
420	424.1	5.821	34.992	5.20	0.30	27.569	0.427	1481.	1.2
421	424.9	5.818	34.992	5.23	0.29	27.570	0.427	1481.	1.2
422	426.0	5.808	34.991	5.24	0.29	27.570	0.428	1481.	1.0
423	427.0	5.804	34.992	5.23	0.29	27.571	0.428	1481.	0.8
424	428.0	5.803	34.991	5.22	0.29	27.571	0.429	1481.	0.7
425	429.0	5.803	34.992	5.25	0.29	27.571	0.430	1481.	0.6
426	430.0	5.811	34.991	5.28	0.29	27.570	0.430	1481.	1.0
427	431.0	5.815	34.993	5.28	0.29	27.571	0.431	1481.	-0.5
428	432.1	5.813	34.992	5.28	0.28	27.571	0.431	1481.	0.5
429	432.9	5.794	34.990	5.28	0.28	27.571	0.432	1481.	1.2
430	434.0	5.771	34.991	5.27	0.30	27.575	0.432	1481.	1.6
431	435.0	5.803	34.986	5.26	0.30	27.567	0.433	1481.	1.7
432	436.0	5.783	34.990	5.27	0.30	27.573	0.434	1481.	1.8
433	437.0	5.748	34.989	5.28	0.30	27.577	0.434	1481.	1.8
434	438.1	5.747	34.990	5.27	0.30	27.577	0.435	1481.	1.8
435	439.1	5.751	34.990	5.27	0.29	27.577	0.435	1481.	1.8
436	439.9	5.749	34.990	5.30	0.29	27.577	0.436	1481.	1.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	2	29 JAN 1982	2225	40°28.1'N	67°40.9'W	470

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
14	14.5	5.621	32.969	7.26	0.26	25.994	0.000	1471.	2.4
16	15.7	5.606	32.965	6.94	0.26	25.993	0.002	1471.	2.4
18	18.2	5.606	32.965	6.93	0.26	25.993	0.007	1471.	2.4
20	19.7	5.615	32.969	6.94	0.26	25.995	0.010	1471.	2.4
22	22.1	5.620	32.970	6.93	0.26	25.995	0.015	1471.	2.4
24	23.8	5.614	32.968	6.92	0.26	25.994	0.019	1471.	2.8
26	26.2	5.676	32.994	6.89	0.26	26.007	0.023	1471.	3.5
28	27.9	5.725	33.012	6.89	0.26	26.016	0.027	1472.	4.1
30	30.1	5.783	33.032	6.90	0.26	26.024	0.031	1472.	4.6
32	31.8	5.830	33.050	6.91	0.26	26.033	0.035	1472.	4.9
34	34.0	5.981	33.110	6.88	0.25	26.062	0.039	1473.	4.9
36	36.1	6.076	33.149	6.91	0.25	26.081	0.043	1473.	5.5
38	37.8	6.190	33.192	6.90	0.24	26.101	0.046	1474.	5.7
40	39.9	6.307	33.219	6.87	0.23	26.107	0.050	1474.	5.6
42	42.1	6.424	33.253	6.85	0.23	26.119	0.054	1475.	5.3
44	43.9	6.973	33.432	6.71	0.21	26.187	0.058	1477.	4.9
46	46.0	7.199	33.465	6.62	0.20	26.183	0.062	1478.	4.4
48	48.1	7.246	33.479	6.61	0.20	26.187	0.065	1478.	3.8
50	49.9	7.250	33.481	6.54	0.20	26.188	0.069	1479.	2.8
52	51.9	7.200	33.472	6.49	0.20	26.188	0.072	1478.	1.4
54	54.0	7.207	33.475	6.50	0.20	26.189	0.076	1478.	2.9
56	56.1	7.215	33.477	6.52	0.20	26.190	0.080	1478.	4.5
58	58.0	7.164	33.466	6.55	0.20	26.189	0.083	1478.	5.5
60	59.9	7.292	33.504	6.50	0.20	26.201	0.087	1479.	6.3
62	62.0	7.830	33.663	6.44	0.20	26.249	0.091	1481.	7.2
64	63.9	8.566	33.901	6.35	0.19	26.325	0.094	1484.	7.6
66	66.0	9.125	34.042	6.22	0.18	26.348	0.097	1487.	7.7
68	68.2	9.539	34.160	6.18	0.18	26.373	0.101	1488.	7.6
69	69.8	10.183	34.385	6.00	0.17	26.441	0.104	1491.	7.2
72	72.0	10.659	34.497	5.87	0.17	26.445	0.107	1493.	6.6
74	74.1	11.047	34.624	5.82	0.17	26.475	0.111	1494.	6.2
75	75.9	11.440	34.765	5.70	0.16	26.512	0.113	1496.	5.7
78	78.0	11.851	34.890	5.55	0.16	26.533	0.116	1497.	5.0
80	80.0	11.940	34.912	5.53	0.16	26.533	0.120	1498.	4.8
82	82.1	12.133	34.967	5.50	0.16	26.539	0.123	1499.	4.3
84	84.0	12.334	35.038	5.47	0.15	26.554	0.126	1499.	3.9
85	85.9	12.535	35.101	5.38	0.15	26.564	0.128	1500.	4.0
88	88.1	12.747	35.175	5.39	0.15	26.580	0.132	1501.	4.2
90	90.0	12.841	35.207	5.38	0.15	26.586	0.134	1501.	4.2
91	91.9	12.935	35.240	5.35	0.15	26.593	0.137	1502.	4.0
93	94.0	13.156	35.323	5.32	0.15	26.613	0.140	1503.	3.9
96	96.1	13.208	35.352	5.32	0.15	26.624	0.143	1503.	3.7
97	97.9	13.254	35.368	5.22	0.15	26.627	0.146	1503.	3.5
99	100.0	13.352	35.404	5.23	0.15	26.635	0.149	1503.	3.3
102	102.2	13.423	35.429	5.24	0.15	26.640	0.152	1504.	3.0
103	104.0	13.474	35.448	5.19	0.15	26.644	0.154	1504.	3.0
105	106.1	13.495	35.460	5.21	0.15	26.649	0.157	1504.	3.3
107	107.9	13.503	35.469	5.14	0.15	26.655	0.160	1504.	3.6
109	110.0	13.495	35.474	5.07	0.15	26.660	0.163	1504.	3.8
111	112.0	13.462	35.482	5.06	0.15	26.672	0.166	1504.	3.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	2	29 JAN 1982	2225	40°28.1'N	67°40.9'W	470

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
113	113.9	13.376	35.482	5.05	0.15	26.691	0.168	1504.	3.7
116	116.2	13.352	35.488	5.02	0.15	26.700	0.172	1504.	3.6
117	117.7	13.329	35.487	4.91	0.15	26.704	0.174	1504.	3.6
119	120.0	13.255	35.476	4.92	0.15	26.710	0.177	1504.	3.5
122	122.3	13.232	35.468	4.95	0.15	26.710	0.180	1504.	3.1
123	123.9	13.153	35.456	4.92	0.15	26.716	0.182	1503.	3.2
125	126.0	12.997	35.445	4.95	0.16	26.739	0.185	1503.	3.3
127	128.2	12.965	35.435	4.96	0.16	26.738	0.188	1503.	3.6
129	129.8	12.933	35.422	4.87	0.16	26.734	0.190	1503.	3.9
131	131.9	12.855	35.423	4.82	0.17	26.750	0.193	1502.	4.2
133	134.1	12.788	35.418	4.84	0.17	26.760	0.195	1502.	4.3
135	135.9	12.698	35.412	4.83	0.17	26.773	0.198	1502.	4.8
137	137.9	12.558	35.399	4.82	0.18	26.791	0.200	1501.	5.1
139	140.1	12.328	35.376	4.87	0.19	26.818	0.203	1501.	5.1
141	142.0	12.130	35.328	4.83	0.19	26.819	0.206	1500.	5.0
143	143.8	11.984	35.324	4.78	0.20	26.845	0.208	1500.	4.7
145	146.0	11.823	35.308	4.82	0.20	26.863	0.211	1499.	4.3
147	148.3	11.697	35.288	4.84	0.20	26.871	0.213	1499.	3.8
149	149.8	11.651	35.281	4.81	0.19	26.875	0.215	1498.	3.4
151	152.0	11.622	35.279	4.84	0.20	26.878	0.218	1498.	2.8
153	154.2	11.574	35.271	4.85	0.19	26.881	0.220	1498.	2.3
155	155.8	11.500	35.253	4.82	0.19	26.881	0.222	1498.	2.1
157	158.1	11.398	35.238	4.81	0.19	26.888	0.225	1498.	1.9
159	160.0	11.335	35.224	4.80	0.20	26.889	0.227	1497.	1.7
161	162.1	11.352	35.231	4.77	0.19	26.891	0.230	1498.	1.5
163	164.0	11.337	35.225	4.76	0.20	26.889	0.232	1498.	0.9
165	166.1	11.343	35.229	4.76	0.20	26.892	0.235	1498.	0.9
167	167.9	11.377	35.234	4.73	0.20	26.889	0.237	1498.	1.0
169	170.0	11.327	35.224	4.71	0.20	26.891	0.239	1498.	1.0
171	172.1	11.406	35.236	4.70	0.20	26.886	0.242	1498.	1.4
173	174.1	11.485	35.272	4.67	0.20	26.898	0.244	1498.	2.0
175	176.0	11.511	35.274	4.63	0.20	26.895	0.246	1498.	2.7
177	178.2	11.502	35.272	4.60	0.20	26.895	0.249	1498.	3.3
179	179.8	11.538	35.289	4.52	0.20	26.902	0.251	1499.	3.8
181	182.2	11.526	35.307	4.49	0.20	26.918	0.254	1499.	4.3
183	183.8	11.388	35.290	4.46	0.20	26.930	0.256	1498.	4.8
185	186.0	11.111	35.246	4.49	0.20	26.948	0.258	1497.	5.1
187	188.1	11.070	35.252	4.47	0.20	26.960	0.261	1497.	4.9
189	190.0	10.863	35.237	4.47	0.20	26.986	0.263	1496.	4.9
191	191.9	10.589	35.199	4.49	0.20	27.005	0.265	1495.	4.9
193	194.1	10.555	35.199	4.48	0.20	27.011	0.267	1495.	4.8
195	195.7	10.526	35.188	4.49	0.20	27.007	0.269	1495.	4.7
197	198.0	10.275	35.172	4.52	0.20	27.039	0.271	1494.	4.7
199	200.1	10.096	35.150	4.55	0.20	27.053	0.274	1494.	4.9
201	201.8	9.950	35.124	4.56	0.20	27.058	0.275	1493.	5.1
203	203.9	9.817	35.110	4.58	0.20	27.069	0.277	1493.	5.0
205	206.0	9.604	35.104	4.59	0.20	27.100	0.280	1492.	4.6
207	208.2	9.471	35.101	4.59	0.20	27.121	0.282	1491.	4.3
209	210.0	9.438	35.103	4.59	0.20	27.127	0.283	1491.	4.0
211	211.9	9.417	35.101	4.57	0.20	27.129	0.285	1491.	4.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	2	29 JAN 1982	2225	40°28.1'N	67°40.9'W	470

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
213	214.0	9.377	35.094	4.58	0.20	27.130	0.287	1491.	4.5
215	216.1	9.320	35.087	4.61	0.20	27.135	0.289	1491.	5.1
216	217.6	9.245	35.078	4.62	0.20	27.140	0.291	1491.	5.7
219	220.0	8.786	35.047	4.69	0.21	27.189	0.293	1489.	6.0
221	222.2	8.463	35.028	4.75	0.21	27.225	0.295	1488.	6.1
222	223.8	8.199	35.011	4.78	0.21	27.253	0.296	1487.	5.9
225	225.9	8.174	35.023	4.78	0.21	27.266	0.298	1487.	5.5
227	228.1	8.146	35.027	4.78	0.21	27.274	0.300	1487.	4.6
229	230.2	8.098	35.034	4.79	0.21	27.286	0.302	1487.	4.0
230	231.8	8.063	35.040	4.79	0.20	27.296	0.303	1487.	3.6
233	233.9	8.056	35.041	4.76	0.20	27.298	0.305	1487.	3.3
235	236.1	8.008	35.040	4.75	0.20	27.304	0.307	1486.	3.0
236	237.9	7.933	35.040	4.77	0.20	27.316	0.308	1486.	2.7
239	240.0	7.912	35.039	4.76	0.21	27.318	0.310	1486.	2.0
241	242.2	7.931	35.041	4.76	0.21	27.317	0.311	1486.	1.7
242	243.9	7.918	35.040	4.78	0.20	27.318	0.313	1486.	2.0
244	246.0	7.899	35.040	4.76	0.20	27.321	0.314	1486.	3.1
247	248.3	7.954	35.037	4.75	0.21	27.310	0.316	1486.	3.8
248	249.7	7.935	35.040	4.77	0.20	27.315	0.317	1486.	4.2
250	252.0	7.792	35.048	4.80	0.21	27.343	0.319	1486.	4.2
253	254.1	7.393	35.032	4.84	0.22	27.389	0.321	1484.	4.1
254	255.9	7.394	35.025	4.85	0.22	27.383	0.322	1484.	3.8
256	258.0	7.418	35.030	4.86	0.22	27.383	0.323	1485.	2.9
258	260.0	7.436	35.028	4.87	0.22	27.380	0.325	1485.	1.5
260	262.1	7.438	35.025	4.86	0.21	27.377	0.326	1485.	-1.5
262	264.0	7.445	35.024	4.85	0.22	27.374	0.328	1485.	-1.2
264	266.0	7.438	35.023	4.83	0.22	27.375	0.329	1485.	-0.2
266	267.9	7.425	35.023	4.85	0.22	27.377	0.331	1485.	1.3
268	270.1	7.423	35.023	4.83	0.22	27.377	0.332	1485.	1.6
270	272.0	7.426	35.022	4.84	0.22	27.376	0.334	1485.	1.7
273	274.2	7.365	35.020	4.84	0.22	27.383	0.335	1485.	1.8
274	275.9	7.313	35.018	4.87	0.22	27.389	0.337	1484.	2.0
276	277.9	7.341	35.018	4.86	0.23	27.385	0.338	1485.	2.2
278	280.0	7.344	35.019	4.84	0.23	27.386	0.340	1485.	2.2
281	282.3	7.315	35.022	4.86	0.22	27.392	0.341	1485.	2.0
282	283.9	7.269	35.022	4.87	0.22	27.398	0.342	1484.	1.7
284	286.0	7.203	35.013	4.88	0.23	27.400	0.344	1484.	2.2
286	288.3	7.186	35.012	4.90	0.23	27.402	0.346	1484.	2.4
288	289.8	7.213	35.010	4.90	0.23	27.397	0.347	1484.	2.4
290	292.0	7.268	35.018	4.87	0.23	27.395	0.348	1485.	2.4
292	294.1	7.106	35.017	4.88	0.23	27.418	0.350	1484.	2.4
294	296.0	7.097	35.018	4.90	0.22	27.420	0.351	1484.	2.4
296	297.9	7.098	35.018	4.88	0.22	27.420	0.352	1484.	2.2
298	300.0	7.086	35.018	4.87	0.23	27.421	0.354	1484.	1.8
300	302.2	7.088	35.018	4.89	0.23	27.421	0.355	1484.	0.8
302	303.9	7.078	35.017	4.91	0.23	27.422	0.357	1484.	1.0
304	306.0	7.077	35.016	4.90	0.23	27.421	0.358	1484.	1.2
306	308.3	7.075	35.016	4.91	0.23	27.422	0.360	1484.	1.2
308	309.9	7.074	35.016	4.93	0.23	27.421	0.361	1484.	1.2
310	312.1	7.038	35.017	4.93	0.23	27.427	0.362	1484.	1.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	2	29 JAN 1982	2225	40°28.1'N	67°40.9'W	470

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
312	314.1	7.038	35.016	4.92	0.23	27.427	0.364	1484.	1.1
314	315.8	7.042	35.016	4.94	0.23	27.426	0.365	1484.	1.0
316	318.0	7.039	35.016	4.92	0.23	27.426	0.366	1484.	1.3
318	320.1	7.042	35.016	4.91	0.23	27.426	0.368	1484.	1.7
320	321.8	7.039	35.016	4.93	0.23	27.426	0.369	1484.	2.1
322	324.0	7.023	35.013	4.94	0.23	27.426	0.371	1484.	2.7
324	326.1	6.931	35.010	4.96	0.23	27.437	0.372	1484.	3.1
326	327.8	6.866	35.007	4.98	0.23	27.443	0.373	1484.	3.4
328	330.1	6.831	35.008	4.96	0.23	27.449	0.375	1483.	3.6
330	331.8	6.715	35.003	4.99	0.24	27.461	0.376	1483.	3.7
332	334.0	6.625	35.000	5.01	0.25	27.471	0.377	1483.	3.6
334	335.9	6.583	35.001	5.04	0.25	27.477	0.379	1483.	3.5
336	337.9	6.529	35.001	5.07	0.25	27.484	0.380	1482.	3.2
338	340.0	6.512	35.004	5.06	0.26	27.489	0.381	1482.	2.9
340	342.2	6.459	35.006	5.08	0.25	27.498	0.383	1482.	2.7
342	344.0	6.441	35.005	5.10	0.25	27.499	0.384	1482.	2.5
344	346.0	6.440	35.004	5.10	0.25	27.498	0.385	1482.	2.3
346	348.0	6.400	35.004	5.11	0.25	27.504	0.386	1482.	2.1
348	350.0	6.380	35.003	5.13	0.25	27.506	0.387	1482.	2.0
350	352.0	6.357	35.005	5.13	0.26	27.511	0.389	1482.	2.0
352	354.0	6.339	35.003	5.13	0.26	27.511	0.390	1482.	1.9
354	356.2	6.332	35.002	5.13	0.25	27.511	0.391	1482.	1.9
356	358.0	6.310	35.003	5.14	0.25	27.515	0.392	1482.	2.0
358	360.0	6.294	35.002	5.15	0.26	27.516	0.394	1482.	2.0
360	362.1	6.269	35.000	5.16	0.25	27.518	0.395	1482.	2.0
362	364.0	6.214	34.997	5.17	0.26	27.523	0.396	1482.	2.0
364	366.0	6.172	34.994	5.16	0.27	27.526	0.397	1481.	1.9
366	368.1	6.170	34.995	5.17	0.28	27.527	0.399	1481.	1.8
368	370.0	6.166	34.995	5.18	0.27	27.528	0.400	1481.	1.5
370	371.9	6.159	34.994	5.18	0.28	27.528	0.401	1481.	1.4
372	374.1	6.142	34.994	5.18	0.29	27.530	0.402	1481.	1.3
373	375.9	6.133	34.994	5.20	0.28	27.531	0.403	1481.	1.3
376	378.0	6.135	34.994	5.18	0.28	27.531	0.404	1481.	1.3
378	380.0	6.135	34.997	5.19	0.28	27.533	0.406	1482.	1.3
380	382.0	6.130	34.998	5.18	0.26	27.535	0.407	1482.	1.2
382	384.0	6.128	34.998	5.19	0.26	27.535	0.408	1482.	1.2
383	386.0	6.128	34.998	5.19	0.25	27.535	0.409	1482.	1.1
386	388.0	6.117	34.998	5.19	0.26	27.536	0.410	1482.	0.9
388	390.2	6.114	34.998	5.19	0.25	27.537	0.412	1482.	0.9
389	391.8	6.110	34.998	5.20	0.25	27.537	0.413	1482.	1.1
391	393.9	6.095	34.995	5.20	0.26	27.537	0.414	1482.	1.2
394	396.2	6.077	34.993	5.20	0.28	27.538	0.415	1482.	1.7
395	397.9	6.065	34.993	5.23	0.28	27.539	0.416	1482.	2.5
397	399.9	6.051	34.993	5.23	0.28	27.541	0.418	1481.	2.8
399	402.0	6.049	34.993	5.22	0.30	27.541	0.419	1482.	3.0
401	404.0	5.894	34.984	5.25	0.29	27.554	0.420	1481.	2.9
403	406.0	5.750	34.986	5.29	0.30	27.574	0.421	1480.	2.7
405	408.1	5.790	34.985	5.28	0.30	27.568	0.422	1481.	2.5
407	409.9	5.783	34.986	5.31	0.28	27.570	0.423	1481.	2.1
409	412.0	5.812	34.989	5.31	0.29	27.568	0.424	1481.	1.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	2	29 JAN 1982	2225	40°28.1'N	67°40.9'W	470

DEPTH m	PRESS dbsr	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
411	414.0	5.828	34.988	5.29	0.29	27.565	0.426	1481.	1.9
413	416.0	5.788	34.986	5.31	0.29	27.569	0.427	1481.	2.4
415	417.9	5.727	34.980	5.33	0.28	27.572	0.428	1480.	2.7
417	420.0	5.635	34.984	5.34	0.30	27.586	0.429	1480.	2.8
419	422.1	5.589	34.982	5.34	0.31	27.591	0.430	1480.	2.8
421	423.9	5.571	34.982	5.37	0.30	27.593	0.431	1480.	2.7
423	426.0	5.539	34.981	5.40	0.32	27.595	0.432	1480.	2.3
425	428.0	5.511	34.980	5.39	0.31	27.598	0.433	1480.	1.8
427	430.1	5.492	34.980	5.41	0.30	27.601	0.434	1480.	1.7
429	431.8	5.480	34.979	5.43	0.29	27.602	0.435	1480.	1.4
431	434.0	5.483	34.978	5.40	0.32	27.601	0.436	1480.	0.8
433	436.2	5.499	34.980	5.40	0.32	27.600	0.438	1480.	-0.6
435	438.0	5.449	34.980	5.43	0.29	27.606	0.439	1480.	-1.0
437	439.9	5.497	34.979	5.44	0.31	27.600	0.440	1480.	-1.1
439	441.9	5.536	34.982	5.43	0.29	27.597	0.441	1480.	-1.1
441	444.0	5.532	34.982	5.41	0.31	27.597	0.442	1480.	-1.2
443	446.2	5.522	34.981	5.42	0.31	27.598	0.443	1480.	-1.3
445	448.0	5.532	34.982	5.43	0.30	27.598	0.444	1480.	-0.8
447	450.0	5.540	34.982	5.42	0.30	27.597	0.445	1480.	-0.3
448	451.2	5.540	34.982	5.41	0.30	27.596	0.446	1480.	-0.4
449	451.9	5.538	34.982	5.41	0.30	27.596	0.446	1480.	0.1
450	453.0	5.540	34.982	5.41	0.31	27.596	0.447	1480.	0.8
451	454.0	5.528	34.982	5.41	0.33	27.598	0.447	1480.	1.0
452	455.0	5.527	34.981	5.41	0.32	27.597	0.448	1480.	1.3
453	456.1	5.523	34.981	5.42	0.30	27.598	0.448	1480.	1.4
454	457.0	5.518	34.981	5.44	0.29	27.599	0.449	1480.	1.3
455	458.0	5.519	34.980	5.43	0.30	27.598	0.449	1480.	1.0
456	459.0	5.495	34.981	5.42	0.31	27.601	0.450	1480.	0.8
457	460.1	5.502	34.981	5.42	0.31	27.600	0.450	1480.	0.4
458	461.1	5.511	34.982	5.42	0.28	27.600	0.451	1480.	0.4
459	462.0	5.520	34.982	5.43	0.29	27.599	0.452	1480.	0.4
460	463.0	5.517	34.981	5.42	0.29	27.598	0.452	1480.	0.4
461	464.0	5.515	34.981	5.42	0.29	27.599	0.453	1480.	0.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	3	30 JAN 1982	0900	40°31.7'N	67°43.0'W	270

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
6	5.9	5.046	32.871		0.20	25.983	0.000	1468.	1.6
8	7.9	5.046	32.871		0.20	25.982	0.004	1468.	1.6
10	10.0	5.044	32.875		0.20	25.986	0.008	1468.	1.6
12	12.4	5.040	32.880		0.20	25.990	0.013	1468.	1.6
14	14.0	5.034	32.886		0.20	25.996	0.016	1468.	1.6
15	15.6	5.030	32.869		0.20	25.983	0.020	1468.	1.5
18	18.1	4.991	32.869		0.20	25.987	0.025	1468.	1.1
20	20.0	5.029	32.891		0.20	26.000	0.028	1468.	-0.9
21	21.6	5.036	32.885		0.20	25.995	0.032	1469.	-1.1
24	23.9	5.040	32.882		0.20	25.992	0.036	1469.	1.1
26	26.4	5.036	32.882		0.20	25.992	0.041	1469.	1.5
28	27.8	5.049	32.867		0.20	25.979	0.044	1469.	0.5
29	29.6	5.045	32.875		0.20	25.986	0.048	1469.	-0.3
32	32.1	5.025	32.897		0.20	26.005	0.053	1469.	-0.8
34	34.1	5.019	32.905		0.20	26.012	0.057	1469.	0.7
36	36.1	5.004	32.867		0.20	25.984	0.061	1469.	1.1
38	37.8	5.052	32.872		0.20	25.982	0.064	1469.	-1.1
40	39.9	4.999	32.865		0.20	25.983	0.068	1469.	-1.8
42	42.4	5.033	32.890		0.20	25.999	0.073	1469.	-1.0
44	44.3	4.923	32.872		0.20	25.997	0.077	1468.	1.4
46	46.1	5.047	32.872		0.20	25.984	0.081	1469.	1.0
47	47.7	5.052	32.875		0.20	25.985	0.084	1469.	0.3
50	50.4	5.042	32.886		0.20	25.995	0.090	1469.	-1.3
52	52.0	5.002	32.881		0.20	25.995	0.093	1469.	0.5
53	53.5	5.052	32.876		0.20	25.986	0.096	1469.	0.8
56	56.4	5.051	32.881		0.20	25.990	0.101	1469.	-0.8
58	58.3	5.001	32.866		0.20	25.984	0.105	1469.	-1.3
59	59.8	4.997	32.884		0.20	25.999	0.108	1469.	0.0
62	62.1	5.062	32.877		0.20	25.986	0.113	1469.	0.6
64	63.9	5.067	32.877		0.20	25.985	0.117	1469.	-0.5
66	66.3	5.073	32.878		0.20	25.985	0.121	1469.	-1.2
67	67.8	5.027	32.889		0.20	25.999	0.124	1469.	-1.3
70	70.2	5.080	32.881		0.20	25.987	0.129	1470.	1.3
72	71.9	5.093	32.883		0.20	25.987	0.133	1470.	3.1
74	74.5	4.962	32.850		0.21	25.975	0.138	1469.	4.3
75	75.8	5.213	32.903		0.20	25.989	0.141	1470.	5.1
78	78.0	5.320	32.942		0.20	26.008	0.145	1471.	5.5
80	80.1	5.491	33.041		0.19	26.066	0.149	1472.	5.5
82	82.1	5.884	33.146		0.19	26.102	0.153	1473.	5.8
83	83.6	6.014	33.178		0.18	26.111	0.156	1474.	5.3
86	86.1	6.264	33.202		0.18	26.099	0.161	1475.	4.8
87	87.9	6.355	33.220		0.18	26.102	0.164	1475.	4.6
89	89.8	6.421	33.300		0.18	26.156	0.168	1476.	4.9
92	92.1	6.750	33.332		0.18	26.139	0.172	1477.	5.3
93	94.0	6.988	33.392		0.17	26.154	0.176	1478.	5.4
96	96.1	7.097	33.475		0.17	26.205	0.179	1479.	5.4
98	98.5	7.210	33.534		0.18	26.235	0.184	1479.	5.3
99	100.0	7.288	33.553		0.18	26.240	0.186	1480.	5.8
101	102.0	7.446	33.554		0.18	26.219	0.190	1480.	5.7
103	104.1	7.524	33.632		0.18	26.269	0.194	1481.	6.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	3	30 JAN 1982	0900	40°31.7'N	67°43.0'W	270

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
106	106.4	7.773	33.711		0.19	26.295	0.198	1482.	6.2
107	108.1	7.857	33.768		0.19	26.328	0.201	1482.	6.5
109	109.7	8.028	33.813		0.19	26.338	0.203	1483.	6.8
111	112.1	8.306	33.947		0.19	26.401	0.207	1484.	6.4
114	114.2	8.502	33.993		0.19	26.407	0.211	1485.	7.4
115	116.2	8.693	34.066		0.19	26.435	0.214	1486.	7.7
117	117.8	8.820	34.116		0.19	26.455	0.217	1486.	7.8
119	120.1	8.906	34.156		0.19	26.472	0.220	1487.	7.7
122	122.3	9.209	34.438		0.20	26.645	0.223	1488.	7.4
123	124.0	9.447	34.458		0.20	26.622	0.226	1489.	7.0
125	125.8	9.582	34.493		0.20	26.627	0.228	1490.	6.3
127	128.0	9.647	34.538		0.20	26.651	0.232	1490.	5.6
130	130.6	9.737	34.557		0.20	26.651	0.235	1490.	4.7
131	131.9	9.751	34.601		0.20	26.683	0.237	1491.	5.2
133	133.6	9.972	34.616		0.20	26.657	0.239	1491.	5.0
135	135.9	10.612	34.846		0.19	26.726	0.243	1494.	5.6
138	138.4	10.640	34.896		0.19	26.760	0.246	1494.	5.9
139	139.9	10.536	34.850		0.18	26.742	0.248	1494.	5.7
141	141.8	10.000	34.717		0.19	26.732	0.250	1492.	5.9
143	143.7	9.759	34.782		0.20	26.823	0.253	1491.	5.7
145	146.3	10.100	34.863		0.21	26.828	0.256	1492.	5.6
147	147.8	10.145	34.869		0.20	26.825	0.258	1493.	5.7
149	149.9	10.094	34.891		0.20	26.851	0.260	1492.	5.6
151	151.5	10.164	34.949		0.21	26.885	0.262	1493.	4.7
154	154.5	9.916	34.899		0.21	26.888	0.266	1492.	4.7
155	155.8	9.844	34.897		0.20	26.899	0.267	1492.	4.3
157	158.2	9.773	34.923		0.21	26.931	0.270	1492.	4.0
159	159.7	9.756	34.894		0.21	26.911	0.272	1491.	3.5
161	162.3	9.701	34.901		0.22	26.926	0.275	1491.	3.7
163	163.8	9.692	34.888		0.23	26.917	0.277	1491.	3.5
165	165.9	9.593	34.914		0.23	26.954	0.279	1491.	3.2
167	167.7	9.540	34.886		0.24	26.941	0.281	1491.	3.6
169	170.3	9.445	34.897		0.27	26.965	0.284	1490.	3.8
172	172.6	9.471	34.899		0.26	26.962	0.287	1491.	3.9
173	173.6	9.480	34.896		0.25	26.959	0.288	1491.	4.1
174	175.4	9.435	34.910		0.26	26.977	0.290	1491.	5.1
177	178.4	9.323	34.920		0.28	27.003	0.293	1490.	5.5
179	179.8	9.244	34.903		0.29	27.003	0.295	1490.	5.8
181	181.7	8.944	34.890		0.38	27.041	0.297	1489.	6.0
183	183.7	8.669	34.894		0.37	27.088	0.299	1488.	6.3
185	186.1	8.793	34.932		0.37	27.098	0.301	1488.	6.7
187	187.8	8.796	34.937		0.37	27.102	0.303	1488.	7.1
189	189.7	8.722	34.959		0.38	27.130	0.305	1488.	7.1
191	192.0	8.403	34.972		0.39	27.191	0.307	1487.	6.9
193	194.2	8.084	34.961		0.41	27.231	0.309	1486.	6.9
195	196.3	7.838	34.989		0.41	27.290	0.310	1485.	6.8
197	198.0	7.784	34.965		0.41	27.279	0.312	1485.	6.2
199	200.1	7.715	34.967		0.40	27.291	0.314	1485.	5.3
201	201.7	7.690	34.969		0.39	27.296	0.315	1485.	4.5
203	204.1	7.500	34.988		0.42	27.339	0.317	1484.	3.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	3	30 JAN 1982	0900	40°31.7'N	67°43.0'W	270

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
205	206.0	7.500	34.986		0.42	27.337	0.318	1484.	3.9
207	208.3	7.251	34.949		0.42	27.344	0.320	1483.	3.6
209	210.2	7.454	34.981		0.42	27.340	0.321	1484.	3.3
211	212.0	7.422	34.987		0.39	27.349	0.323	1484.	2.7
213	214.1	7.346	34.977		0.38	27.352	0.324	1483.	3.4
215	215.9	7.367	34.993		0.37	27.362	0.326	1484.	3.5
217	218.0	7.300	34.989		0.34	27.368	0.327	1483.	3.7
219	219.9	7.276	34.983		0.33	27.367	0.329	1483.	3.2
220	221.6	7.259	35.034		0.36	27.409	0.330	1483.	2.7
222	223.4	7.270	35.013		0.36	27.391	0.331	1483.	2.0
225	226.4	7.241	35.023		0.35	27.403	0.333	1483.	1.5
226	227.9	7.257	35.000		0.35	27.383	0.334	1483.	1.4
229	230.2	7.244	34.997		0.36	27.383	0.336	1483.	1.3
230	231.5	7.215	34.989		0.39	27.380	0.337	1483.	2.7
233	234.3	7.139	34.991		0.38	27.393	0.339	1483.	3.2
234	235.9	7.054	34.993		0.35	27.406	0.340	1483.	3.6
236	237.6	6.986	34.997		0.35	27.419	0.341	1482.	3.5
238	239.7	6.848	34.985		0.34	27.428	0.343	1482.	3.3
241	242.2	6.876	35.001		0.32	27.437	0.344	1482.	2.8
242	243.9	6.887	34.995		0.33	27.430	0.345	1482.	2.1
245	246.2	6.865	34.993		0.32	27.432	0.347	1482.	1.3
246	247.9	6.891	34.999		0.31	27.433	0.348	1482.	0.6
248	250.0	6.889	35.003		0.33	27.437	0.350	1482.	1.0
251	252.3	6.760	34.974		0.31	27.432	0.351	1482.	1.7
253	254.1	6.909	34.997		0.31	27.430	0.352	1482.	2.0
254	255.6	6.897	35.001		0.31	27.435	0.353	1482.	2.6
256	257.1	6.907	35.016		0.30	27.445	0.354	1483.	2.8
257	258.1	6.721	34.990		0.30	27.450	0.355	1482.	3.2
257	258.8	6.754	34.995		0.31	27.449	0.356	1482.	3.3
258	260.0	6.746	35.012		0.34	27.464	0.356	1482.	3.3
259	261.0	6.754	34.998		0.34	27.451	0.357	1482.	3.3
261	262.1	6.743	35.004		0.34	27.458	0.358	1482.	3.3
261	262.8	6.671	34.991		0.36	27.457	0.358	1482.	3.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	4	31 JAN 1982	0626	40°22.6'N	67°32.0'W	380

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
6	5.8	5.629	32.993	7.15	0.24	26.012	0.000	1471.	0.4
8	8.0	5.628	32.993	7.15	0.24	26.012	0.005	1471.	0.4
10	9.9	5.626	32.992	7.15	0.24	26.012	0.008	1471.	0.4
12	12.0	5.625	32.993	7.14	0.24	26.012	0.012	1471.	0.4
14	13.8	5.623	32.992	7.13	0.24	26.012	0.016	1471.	0.4
16	15.9	5.620	32.992	7.12	0.24	26.012	0.020	1471.	0.4
18	18.0	5.625	32.993	7.15	0.24	26.013	0.024	1471.	0.4
19	19.5	5.626	32.993	7.12	0.24	26.012	0.027	1471.	0.3
22	22.3	5.629	32.994	7.10	0.24	26.013	0.033	1471.	0.3
23	23.6	5.638	32.995	7.09	0.24	26.012	0.035	1471.	0.4
26	25.8	5.650	32.997	7.05	0.24	26.012	0.040	1471.	-0.2
28	27.9	5.650	32.997	7.08	0.24	26.013	0.044	1471.	0.2
29	29.6	5.652	32.997	7.08	0.24	26.013	0.047	1471.	0.3
32	32.2	5.654	32.999	7.09	0.24	26.013	0.052	1471.	0.3
34	34.4	5.660	32.997	7.09	0.24	26.012	0.057	1471.	0.5
36	35.8	5.661	32.999	7.08	0.24	26.013	0.060	1471.	0.5
38	37.9	5.659	32.999	7.13	0.24	26.013	0.064	1471.	0.5
40	39.7	5.666	32.999	7.13	0.24	26.012	0.068	1472.	0.6
42	41.9	5.664	33.001	7.13	0.24	26.014	0.072	1472.	0.6
44	43.9	5.665	33.000	7.14	0.24	26.013	0.076	1472.	0.4
46	45.8	5.676	33.003	7.12	0.24	26.014	0.079	1472.	0.2
48	48.0	5.681	33.003	7.12	0.24	26.014	0.084	1472.	0.2
50	49.9	5.686	33.003	7.11	0.24	26.013	0.088	1472.	-0.1
52	51.9	5.688	33.004	7.12	0.24	26.013	0.092	1472.	0.6
54	53.9	5.690	33.003	7.11	0.24	26.013	0.096	1472.	1.1
56	56.0	5.693	33.005	7.13	0.24	26.013	0.100	1472.	1.4
58	58.3	5.703	33.007	7.12	0.24	26.014	0.104	1472.	1.7
60	60.1	5.732	33.015	7.12	0.23	26.017	0.108	1472.	2.0
62	62.0	5.789	33.031	7.10	0.22	26.023	0.112	1472.	2.3
64	64.4	5.820	33.038	7.07	0.22	26.025	0.117	1473.	2.8
66	66.3	5.844	33.045	7.08	0.22	26.027	0.120	1473.	3.8
68	68.5	5.908	33.062	7.06	0.22	26.033	0.125	1473.	4.8
69	69.9	6.017	33.093	7.02	0.21	26.044	0.127	1474.	5.4
72	72.0	6.495	33.190	6.89	0.20	26.060	0.132	1476.	6.4
74	74.2	6.849	33.316	6.79	0.20	26.113	0.136	1477.	7.0
76	76.2	6.967	33.382	6.74	0.19	26.149	0.140	1478.	7.2
78	78.1	7.866	33.554	6.50	0.19	26.158	0.143	1481.	7.2
79	79.7	8.058	33.684	6.44	0.19	26.232	0.146	1482.	7.1
81	81.6	8.220	33.743	6.32	0.19	26.254	0.149	1483.	6.7
84	84.1	8.354	33.784	6.26	0.19	26.266	0.154	1484.	6.7
85	85.7	8.647	33.880	6.12	0.19	26.297	0.157	1485.	7.0
87	87.6	8.733	33.918	6.07	0.18	26.313	0.160	1485.	7.0
89	90.0	8.987	34.006	5.98	0.18	26.342	0.164	1486.	7.2
91	92.0	9.363	34.150	5.89	0.18	26.394	0.167	1488.	7.4
93	93.7	9.678	34.295	5.80	0.18	26.456	0.170	1489.	7.2
95	96.0	9.823	34.368	5.72	0.18	26.488	0.174	1490.	7.1
98	98.2	10.036	34.424	5.61	0.18	26.496	0.177	1491.	6.9
100	100.1	10.317	34.539	5.54	0.18	26.538	0.180	1492.	6.4
101	101.8	10.475	34.581	5.50	0.18	26.543	0.182	1493.	5.8
104	104.3	10.581	34.656	5.47	0.18	26.583	0.186	1493.	5.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	4	31 JAN 1982	0626	40°22.6'N	67°32.0'W	380

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
105	106.1	10.580	34.692	5.43	0.18	26.611	0.189	1493.	5.2
108	108.2	10.598	34.700	5.39	0.18	26.614	0.192	1493.	4.8
109	109.9	10.637	34.716	5.36	0.18	26.620	0.194	1494.	4.6
111	112.0	10.666	34.737	5.34	0.18	26.631	0.197	1494.	4.3
113	113.7	10.612	34.733	5.33	0.18	26.638	0.200	1494.	4.2
115	116.1	10.858	34.809	5.28	0.18	26.653	0.203	1495.	4.3
117	117.7	11.067	34.880	5.24	0.18	26.670	0.205	1495.	4.3
119	119.7	11.073	34.900	5.22	0.18	26.685	0.208	1495.	4.5
121	122.0	10.995	34.890	5.19	0.18	26.692	0.211	1495.	4.8
123	123.7	10.907	34.879	5.15	0.18	26.698	0.214	1495.	5.0
126	126.5	10.979	34.921	5.10	0.18	26.718	0.217	1495.	5.1
127	128.1	11.067	34.967	5.04	0.18	26.738	0.219	1496.	5.1
129	130.1	11.081	35.020	4.99	0.18	26.777	0.222	1496.	5.1
131	131.9	11.236	35.068	4.91	0.18	26.786	0.224	1496.	5.0
133	134.0	11.226	35.075	4.83	0.18	26.793	0.227	1496.	4.7
136	136.5	11.234	35.095	4.77	0.18	26.808	0.230	1497.	4.2
137	138.2	11.201	35.101	4.81	0.18	26.818	0.232	1496.	3.6
139	140.1	11.142	35.097	4.85	0.18	26.825	0.235	1496.	3.4
141	141.9	11.038	35.086	4.89	0.19	26.836	0.237	1496.	3.4
143	143.9	10.968	35.070	4.91	0.20	26.836	0.239	1496.	3.4
145	146.1	11.070	35.095	4.88	0.20	26.837	0.242	1496.	3.8
147	148.0	11.183	35.130	4.85	0.20	26.844	0.244	1497.	4.2
149	149.9	11.354	35.190	4.81	0.19	26.859	0.247	1497.	4.6
151	151.9	11.198	35.176	4.78	0.19	26.877	0.249	1497.	4.8
153	154.1	11.289	35.231	4.73	0.19	26.903	0.252	1497.	4.8
155	155.9	11.428	35.286	4.62	0.18	26.920	0.254	1498.	4.5
157	157.9	11.417	35.300	4.54	0.17	26.933	0.256	1498.	4.0
159	160.0	11.363	35.291	4.50	0.17	26.936	0.259	1498.	3.4
161	162.1	11.325	35.287	4.47	0.17	26.940	0.261	1498.	2.7
163	164.1	11.309	35.283	4.46	0.17	26.940	0.263	1497.	2.5
165	166.1	11.293	35.283	4.45	0.17	26.943	0.266	1497.	2.6
167	167.8	11.280	35.282	4.46	0.17	26.945	0.268	1497.	2.7
169	170.0	11.267	35.282	4.44	0.17	26.947	0.270	1497.	2.8
171	172.2	11.116	35.266	4.47	0.17	26.962	0.273	1497.	2.7
173	174.0	11.041	35.256	4.48	0.17	26.968	0.275	1497.	2.6
175	176.0	11.027	35.254	4.47	0.18	26.969	0.277	1497.	2.4
177	178.1	11.011	35.252	4.46	0.17	26.970	0.279	1497.	2.4
179	179.8	11.004	35.248	4.46	0.18	26.969	0.281	1497.	2.2
181	181.8	10.979	35.247	4.45	0.18	26.972	0.283	1497.	2.3
183	184.0	10.937	35.240	4.46	0.18	26.975	0.286	1496.	2.4
185	186.5	10.703	35.201	4.50	0.18	26.986	0.289	1496.	2.4
187	187.9	10.643	35.190	4.51	0.18	26.988	0.290	1495.	2.8
189	189.9	10.626	35.189	4.54	0.18	26.990	0.292	1495.	3.1
191	191.9	10.589	35.180	4.55	0.18	26.990	0.294	1495.	3.6
193	194.1	10.537	35.173	4.55	0.18	26.994	0.297	1495.	4.2
195	196.4	10.482	35.189	4.53	0.18	27.016	0.299	1495.	4.6
197	198.1	10.492	35.201	4.50	0.18	27.024	0.301	1495.	4.9
199	199.9	10.447	35.223	4.46	0.18	27.049	0.303	1495.	5.5
201	201.9	10.287	35.226	4.42	0.18	27.079	0.305	1494.	6.0
203	203.8	10.267	35.227	4.36	0.17	27.084	0.307	1494.	6.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	4	31 JAN 1982	0626	40°22.6'N	67°32.0'W	380

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
205	205.9	10.201	35.231	4.32	0.17	27.098	0.309	1494.	6.2
207	208.3	9.959	35.240	4.32	0.17	27.147	0.312	1493.	5.9
209	209.8	9.786	35.248	4.28	0.16	27.183	0.313	1493.	5.5
211	212.0	9.689	35.242	4.22	0.16	27.195	0.315	1492.	5.4
213	213.9	9.624	35.235	4.19	0.16	27.200	0.317	1492.	5.4
215	216.0	9.614	35.236	4.16	0.16	27.202	0.319	1492.	5.1
217	218.0	9.585	35.239	4.13	0.16	27.210	0.320	1492.	5.1
219	220.1	9.390	35.232	4.14	0.16	27.236	0.322	1492.	5.3
221	222.0	8.941	35.196	4.16	0.16	27.282	0.324	1490.	5.5
222	223.7	8.733	35.162	4.12	0.15	27.288	0.325	1489.	5.4
224	225.9	8.549	35.137	4.09	0.14	27.298	0.327	1488.	5.0
227	228.3	8.392	35.131	4.10	0.15	27.318	0.329	1488.	4.3
229	230.0	8.308	35.129	4.12	0.14	27.329	0.330	1488.	3.5
230	231.7	8.270	35.125	4.15	0.14	27.331	0.332	1487.	3.0
233	234.2	8.255	35.125	4.21	0.15	27.334	0.334	1487.	2.5
235	236.3	8.257	35.125	4.21	0.15	27.334	0.335	1487.	1.9
237	238.3	8.244	35.126	4.21	0.15	27.336	0.337	1487.	1.5
239	240.3	8.238	35.124	4.22	0.15	27.336	0.338	1487.	1.4
240	241.8	8.234	35.125	4.23	0.15	27.337	0.340	1487.	1.5
243	244.1	8.204	35.123	4.22	0.15	27.340	0.341	1487.	1.5
244	245.7	8.189	35.121	4.23	0.15	27.340	0.343	1487.	1.5
247	248.1	8.185	35.120	4.22	0.15	27.341	0.344	1487.	1.6
248	249.6	8.168	35.121	4.23	0.15	27.344	0.346	1487.	1.8
250	251.9	8.138	35.114	4.24	0.15	27.343	0.347	1487.	1.9
252	253.8	8.107	35.113	4.25	0.15	27.347	0.349	1487.	2.0
254	255.8	8.098	35.114	4.26	0.15	27.349	0.350	1487.	2.1
256	257.8	8.067	35.116	4.27	0.15	27.355	0.352	1487.	2.1
258	259.8	8.014	35.108	4.28	0.15	27.357	0.353	1487.	2.2
260	261.7	7.998	35.106	4.28	0.15	27.358	0.355	1487.	2.2
262	263.7	7.978	35.105	4.28	0.15	27.360	0.356	1487.	2.3
264	265.8	7.951	35.103	4.29	0.15	27.363	0.358	1487.	2.3
266	267.9	7.905	35.099	4.31	0.15	27.366	0.359	1487.	2.4
268	269.8	7.840	35.096	4.33	0.15	27.374	0.361	1486.	2.5
270	271.7	7.794	35.092	4.34	0.15	27.377	0.362	1486.	2.4
272	273.9	7.779	35.092	4.38	0.15	27.380	0.364	1486.	2.3
274	275.8	7.761	35.091	4.39	0.15	27.382	0.365	1486.	2.2
276	277.9	7.728	35.089	4.40	0.15	27.385	0.367	1486.	2.1
278	279.9	7.699	35.087	4.42	0.15	27.387	0.368	1486.	2.1
280	281.9	7.680	35.086	4.44	0.15	27.389	0.370	1486.	2.1
282	283.8	7.662	35.086	4.45	0.15	27.392	0.371	1486.	2.0
284	285.8	7.621	35.082	4.47	0.15	27.395	0.373	1486.	1.9
286	287.8	7.591	35.082	4.47	0.15	27.399	0.374	1486.	1.8
288	290.0	7.581	35.079	4.48	0.15	27.399	0.376	1486.	1.7
290	291.7	7.576	35.079	4.49	0.15	27.399	0.377	1486.	1.7
292	293.8	7.566	35.078	4.49	0.15	27.400	0.378	1486.	1.9
294	295.9	7.548	35.078	4.49	0.15	27.402	0.380	1486.	2.3
296	297.9	7.527	35.078	4.50	0.15	27.405	0.381	1486.	2.5
298	300.0	7.490	35.076	4.52	0.15	27.409	0.383	1486.	2.6
300	302.0	7.409	35.069	4.53	0.15	27.416	0.384	1485.	2.7
303	304.4	7.333	35.069	4.56	0.16	27.426	0.386	1485.	2.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	4	31 JAN 1982	0626	40°22.6'N	67°32.0'W	380

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
304	306.0	7.308	35.064	4.59	0.16	27.426	0.387	1485.	2.7
306	308.0	7.290	35.064	4.60	0.16	27.428	0.388	1485.	2.7
308	310.2	7.234	35.058	4.62	0.16	27.432	0.390	1485.	2.5
309	311.4	7.193	35.051	4.65	0.16	27.432	0.391	1485.	2.5
310	311.9	7.187	35.057	4.65	0.16	27.437	0.391	1485.	2.6
311	312.9	7.166	35.057	4.64	0 16	27.440	0.392	1485.	2.6
312	314.0	7.151	35.055	4.65	0.16	27.441	0.392	1484.	2.6
313	314.9	7.105	35.051	4.64	0.16	27.445	0.393	1484.	2.6
314	315.6	7.162	35.056	4.66	0.16	27.441	0.394	1485.	2.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	5	02 FEB 1982	0835	40°40.7'N	67°39.7'W	80

DEPTH m	PRESS dbsr	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.8	4.662	32.793	7.33	0.28	25.963	0.000	1467.	0.4
4	4.0	4.659	32.793	7.32	0.28	25.963	0.003	1467.	0.4
6	5.8	4.658	32.793	7.32	0.27	25.963	0.006	1467.	0.4
8	7.9	4.661	32.793	7.32	0.27	25.963	0.010	1467.	0.4
10	10.1	4.662	32.793	7.29	0.27	25.963	0.015	1467.	0.4
12	12.0	4.661	32.793	7.31	0.27	25.963	0.019	1467.	0.4
14	13.9	4.659	32.793	7.30	0.27	25.963	0.023	1467.	0.4
16	16.1	4.656	32.793	7.30	0.27	25.964	0.027	1467.	0.4
18	18.0	4.656	32.793	7.29	0.28	25.963	0.031	1467.	0.3
20	20.0	4.657	32.793	7.28	0.28	25.963	0.035	1467.	0.2
22	22.2	4.659	32.793	7.26	0.27	25.963	0.040	1467.	-0.3
24	23.9	4.659	32.793	7.29	0.27	25.963	0.043	1467.	-0.3
26	25.9	4.659	32.793	7.27	0.27	25.963	0.047	1467.	-0.3
28	28.0	4.660	32.793	7.23	0.27	25.963	0.051	1467.	-0.4
30	30.0	4.660	32.793	7.26	0.27	25.963	0.055	1467.	-0.4
32	32.0	4.661	32.793	7.28	0.27	25.963	0.059	1467.	-0.5
34	34.2	4.663	32.793	7.30	0.27	25.963	0.064	1467.	-0.5
36	35.8	4.664	32.793	7.29	0.27	25.962	0.067	1467.	-0.5
38	38.1	4.664	32.793	7.28	0.27	25.962	0.072	1467.	-0.4
40	39.9	4.664	32.792	7.28	0.27	25.962	0.075	1467.	-0.4
42	42.0	4.665	32.792	7.26	0.28	25.962	0.080	1467.	-0.3
44	44.1	4.665	32.792	7.28	0.28	25.962	0.084	1467.	-0.3
46	46.2	4.666	32.792	7.29	0.28	25.962	0.088	1467.	-0.4
48	48.1	4.666	32.792	7.29	0.28	25.962	0.092	1467.	-0.4
49	49.8	4.666	32.792	7.30	0.27	25.962	0.096	1467.	-0.4
52	52.1	4.668	32.792	7.28	0.28	25.961	0.100	1467.	-0.4
53	53.8	4.669	32.792	7.29	0.28	25.961	0.104	1467.	-0.3
56	56.2	4.669	32.792	7.29	0.28	25.961	0.109	1467.	-0.2
57	57.7	4.670	32.792	7.29	0.28	25.961	0.112	1468.	0.2
60	60.2	4.668	32.792	7.29	0.28	25.961	0.117	1468.	0.3
61	61.2	4.667	32.792	7.29	0.27	25.961	0.119	1468.	0.4
62	62.0	4.667	32.792	7.31	0.27	25.962	0.121	1468.	0.2
63	63.0	4.667	32.792	7.29	0.28	25.962	0.123	1468.	-0.4
64	64.0	4.668	32.792	7.30	0.27	25.961	0.125	1468.	-0.7
65	65.0	4.669	32.792	7.29	0.28	25.961	0.127	1468.	-0.8
66	66.1	4.669	32.792	7.29	0.28	25.961	0.129	1468.	-0.9
66	66.9	4.671	32.791	7.31	0.29	25.960	0.130	1468.	-0.8
68	68.0	4.673	32.791	7.30	0.29	25.960	0.133	1468.	-0.7
69	69.1	4.672	32.791	7.30	0.29	25.960	0.135	1468.	-0.7
70	70.1	4.673	32.791	7.31	0.29	25.960	0.137	1468.	-0.5
71	71.0	4.673	32.791	7.31	0.29	25.960	0.139	1468.	-0.6
72	71.9	4.673	32.791	7.33	0.28	25.960	0.141	1468.	-0.6
73	73.0	4.674	32.791	7.32	0.29	25.960	0.143	1468.	-1.1
74	74.1	4.676	32.791	7.32	0.29	25.960	0.145	1468.	-1.1
75	74.9	4.678	32.790	7.31	0.31	25.959	0.147	1468.	-1.1
76	76.0	4.678	32.791	7.32	0.30	25.959	0.149	1468.	-1.1
76	76.7	4.679	32.787	7.31	0.30	25.956	0.151	1468.	-1.1

STA 6 DAY: 2 TIME: 1031

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	5.2	63.1	5.4
1.0	5.2	64.1	5.4
1.9	5.2	65.1	5.4
1.9	5.2	66.0	5.5
2.9	5.2	67.0	5.5
3.9	5.2	67.0	5.6
3.9	5.2	68.0	5.7
4.9	5.1	69.0	5.7
5.8	5.2	69.9	5.7
7.8	5.1	69.9	5.8
9.7	5.2	70.9	5.8
10.7	5.2	71.9	5.8
11.7	5.2	72.8	5.8
13.6	5.2	72.8	5.9
14.6	5.2	73.8	6.0
16.6	5.2	73.8	6.0
18.5	5.2	75.7	6.1
19.5	5.2	76.7	6.2
21.4	5.2	77.7	6.2
22.4	5.2	78.6	6.2
24.3	5.2	78.6	6.3
26.3	5.2	79.6	6.4
27.3	5.2	80.6	6.4
28.2	5.2	81.5	6.4
30.2	5.2	82.5	6.4
32.1	5.2	83.5	6.4
33.1	5.2	83.5	6.5
35.0	5.2	84.4	6.5
36.0	5.2	86.4	6.5
37.0	5.2	87.3	6.5
38.9	5.2	88.3	6.6
39.9	5.2	89.2	6.6
41.8	5.2	90.2	6.6
42.8	5.2	91.2	6.6
44.7	5.2	91.2	6.6
45.7	5.2	92.1	6.6
47.6	5.2	93.1	6.7
48.6	5.2	93.1	6.7
49.6	5.2	94.1	6.7
51.5	5.2	95.0	6.7
52.5	5.2	96.0	6.7
53.5	5.2	96.0	6.7
54.4	5.2	97.0	6.9
56.4	5.2	97.0	6.9
57.3	5.2	97.0	7.1
57.3	5.3	97.0	7.2
58.3	5.3	98.9	7.2
59.3	5.3	99.9	7.3
61.2	5.3		
62.2	5.3		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	7	02 FEB 1982	0950	40°32.5'N	67°37.0'W	127

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
7	7.0	4.842	32.844	7.32	0.23	25.984	0.000	1467.	1.6
8	7.9	4.849	32.848	7.28	0.23	25.986	0.002	1467.	1.6
10	9.9	4.883	32.861	7.27	0.23	25.993	0.006	1468.	1.6
12	12.0	4.888	32.862	7.27	0.23	25.993	0.010	1468.	1.6
14	13.9	4.890	32.861	7.26	0.23	25.992	0.014	1468.	1.6
16	16.3	4.901	32.865	7.21	0.23	25.994	0.019	1468.	1.5
18	17.9	4.903	32.866	7.22	0.23	25.994	0.022	1468.	1.4
20	19.9	4.912	32.869	7.22	0.23	25.996	0.026	1468.	1.4
22	22.1	4.929	32.874	7.22	0.23	25.998	0.030	1468.	1.3
24	23.8	4.944	32.881	7.21	0.23	26.002	0.034	1468.	1.0
26	26.1	4.946	32.881	7.17	0.23	26.002	0.038	1468.	0.9
28	27.8	4.939	32.877	7.17	0.23	25.999	0.042	1468.	1.0
30	30.2	4.930	32.874	7.20	0.23	25.998	0.047	1468.	1.3
32	31.9	4.928	32.874	7.22	0.23	25.998	0.050	1468.	1.7
34	34.0	4.949	32.881	7.21	0.23	26.001	0.054	1468.	2.1
36	36.0	4.990	32.893	7.23	0.23	26.006	0.058	1469.	2.3
38	38.1	5.019	32.903	7.23	0.23	26.011	0.062	1469.	2.4
40	40.0	5.082	32.919	7.23	0.23	26.017	0.066	1469.	2.3
42	42.2	5.114	32.929	7.21	0.23	26.021	0.070	1469.	2.2
44	43.9	5.128	32.931	7.15	0.23	26.021	0.074	1469.	1.9
46	46.3	5.145	32.935	7.15	0.23	26.023	0.078	1469.	1.6
48	48.0	5.166	32.939	7.14	0.23	26.023	0.082	1470.	1.3
50	50.0	5.198	32.948	7.13	0.23	26.026	0.086	1470.	1.3
52	52.1	5.207	32.947	7.13	0.23	26.025	0.090	1470.	1.6
53	53.8	5.223	32.951	7.13	0.23	26.026	0.093	1470.	1.9
56	56.0	5.251	32.955	7.11	0.23	26.026	0.098	1470.	2.1
58	58.2	5.292	32.966	7.12	0.23	26.030	0.102	1470.	2.2
60	60.0	5.375	32.987	7.11	0.23	26.037	0.106	1471.	2.8
62	61.9	5.511	33.018	7.08	0.23	26.045	0.109	1471.	3.1
64	64.1	5.542	33.019	7.11	0.23	26.043	0.114	1471.	3.3
66	66.0	5.621	33.039	7.10	0.23	26.049	0.117	1472.	3.3
68	68.3	5.945	33.117	7.02	0.23	26.072	0.122	1473.	3.3
70	69.9	5.978	33.124	6.97	0.23	26.074	0.125	1473.	3.4
72	72.0	5.972	33.130	6.95	0.23	26.078	0.129	1473.	3.9
74	74.1	5.970	33.135	6.95	0.22	26.083	0.133	1473.	4.5
75	75.8	5.977	33.141	6.95	0.22	26.087	0.136	1474.	5.2
78	78.3	6.073	33.183	6.95	0.22	26.108	0.141	1474.	6.1
80	80.0	6.398	33.266	6.88	0.21	26.133	0.144	1475.	6.8
82	82.2	6.818	33.396	6.81	0.20	26.180	0.148	1477.	7.5
83	83.9	7.409	33.542	6.64	0.20	26.214	0.152	1480.	7.8
86	86.2	7.916	33.708	6.55	0.20	26.272	0.156	1482.	7.8
88	88.0	8.551	33.871	6.36	0.19	26.305	0.159	1485.	7.5
90	90.1	8.945	34.030	6.27	0.19	26.368	0.162	1486.	6.9
91	92.0	9.093	34.078	6.15	0.18	26.381	0.165	1487.	6.2
93	93.8	9.212	34.117	6.05	0.18	26.393	0.169	1487.	5.3
95	96.0	9.272	34.138	5.99	0.19	26.400	0.172	1488.	4.6
97	98.0	9.390	34.187	5.99	0.18	26.419	0.175	1488.	3.6
100	100.1	9.466	34.203	5.96	0.18	26.419	0.179	1489.	3.2
101	101.2	9.482	34.208	5.93	0.18	26.421	0.181	1489.	2.9
101	102.0	9.484	34.209	5.95	0.18	26.420	0.182	1489.	2.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	7	02 FEB 1982	0950	40°32.5'N	67°37.0'W	127

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
102	103.1	9.481	34.208	5.94	0.19	26.421	0.184	1489.	3.7
103	103.9	9.484	34.211	5.88	0.18	26.422	0.185	1489.	5.5
104	105.0	9.494	34.215	5.88	0.19	26.424	0.187	1489.	6.5
105	106.0	9.547	34.236	5.88	0.19	26.432	0.188	1489.	7.1
106	107.1	9.884	34.371	5.83	0.19	26.481	0.190	1490.	7.6
107	108.0	10.138	34.465	5.81	0.19	26.511	0.191	1491.	7.9
108	109.0	10.407	34.537	5.76	0.19	26.520	0.193	1493.	7.7
109	110.0	10.612	34.595	5.70	0.20	26.530	0.194	1493.	6.9
110	111.0	10.802	34.669	5.69	0.20	26.554	0.196	1494.	5.5
111	112.1	10.961	34.726	5.68	0.19	26.570	0.198	1495.	4.4
112	112.8	11.018	34.732	5.62	0.19	26.564	0.199	1495.	4.1
113	114.0	11.083	34.741	5.56	0.20	26.559	0.200	1495.	4.2
114	115.0	11.135	34.753	5.55	0.20	26.560	0.202	1495.	4.3
115	116.0	11.218	34.774	5.57	0.20	26.560	0.203	1496.	4.3
116	117.2	11.344	34.832	5.58	0.19	26.583	0.205	1496.	4.3
117	118.0	11.509	34.894	5.49	0.19	26.600	0.206	1497.	4.3
118	118.6	11.586	34.927	5.48	0.19	26.611	0.207	1497.	4.3

STA 8 DAY: 2 TIME: 1031

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	7.5	80.6	8.0	103.7	11.9
1.0	7.5	80.6	8.0	103.7	11.9
2.9	7.5	80.6	8.1	104.7	12.0
4.9	7.5	81.5	8.2	104.7	12.2
7.8	7.5	81.5	8.3	105.6	12.2
9.7	7.5	81.5	8.3	105.6	12.3
12.7	7.5	82.5	8.4	105.6	12.4
15.6	7.5	82.5	8.5	106.6	12.4
17.5	7.5	82.5	8.6	108.5	12.4
20.4	7.5	82.5	8.8	110.5	12.4
20.4	7.5	84.4	8.8	112.4	12.4
21.4	7.5	85.4	8.9	115.3	12.4
23.4	7.5	85.4	9.0	118.2	12.4
26.3	7.5	86.4	9.1	119.1	12.4
28.2	7.5	87.3	9.1	121.1	12.4
30.2	7.5	87.3	9.1	122.0	12.4
34.1	7.5	87.3	9.2	122.0	12.3
36.0	7.5	88.3	9.3	123.0	12.1
38.9	7.5	88.3	9.3	123.0	12.1
40.9	7.5	89.2	9.3	123.9	12.0
43.8	7.5	90.2	9.3	123.9	11.9
46.7	7.5	91.2	9.4	124.9	11.8
48.6	7.5	92.1	9.4	125.9	11.7
50.6	7.5	92.1	9.5	126.8	11.7
53.5	7.5	93.1	9.5	127.8	11.6
56.4	7.5	93.1	9.7	127.8	11.4
59.3	7.5	93.1	9.8	128.7	11.4
61.2	7.5	94.1	10.0	129.7	11.3
63.1	7.6	94.1	10.2	130.7	11.3
64.1	7.6	94.1	10.3	131.6	11.2
66.0	7.6	95.0	10.5	133.5	11.2
67.0	7.6	95.0	10.6	135.5	11.2
68.0	7.6	95.0	10.7	138.3	11.2
69.0	7.6	96.0	10.8	140.3	11.2
69.0	7.6	96.0	10.8	142.2	11.2
69.9	7.6	97.0	10.9	143.1	11.2
70.9	7.7	97.0	11.0		
71.9	7.7	97.0	11.0		
72.8	7.7	97.0	11.1		
73.8	7.7	97.9	11.2		
74.8	7.7	98.9	11.3		
75.7	7.7	98.9	11.3		
76.7	7.7	98.9	11.4		
76.7	7.7	98.9	11.5		
76.7	7.7	99.9	11.6		
77.7	7.8	99.9	11.7		
77.7	7.8	100.8	11.8		
78.6	7.8	100.8	11.8		
78.6	7.8	100.8	11.9		
79.6	7.9	101.8	11.9		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	9	02 FEB 1982	1105	40°23.0'N	67°32.9'W	255

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.5	6.713	33.321	6.68	0.26	26.135	0.000	1475.	0.4
4	4.2	6.715	33.322	6.65	0.26	26.135	0.003	1476.	0.4
6	6.0	6.712	33.321	6.64	0.26	26.135	0.007	1476.	0.4
8	7.7	6.715	33.322	6.64	0.26	26.135	0.010	1476.	0.4
10	10.1	6.712	33.321	6.64	0.26	26.135	0.014	1476.	0.4
12	12.0	6.714	33.321	6.64	0.26	26.135	0.018	1476.	0.5
14	13.9	6.721	33.323	6.62	0.26	26.135	0.021	1476.	0.6
16	15.8	6.729	33.325	6.61	0.26	26.136	0.025	1476.	0.8
18	18.1	6.741	33.327	6.63	0.26	26.136	0.029	1476.	1.1
20	19.9	6.746	33.328	6.59	0.26	26.136	0.033	1476.	1.4
22	22.2	6.759	33.331	6.63	0.26	26.137	0.037	1476.	1.8
24	23.9	6.773	33.336	6.61	0.26	26.139	0.040	1476.	2.6
26	26.0	6.817	33.349	6.59	0.26	26.143	0.044	1476.	3.3
28	28.0	6.875	33.363	6.56	0.25	26.147	0.048	1477.	4.1
30	30.1	6.946	33.383	6.54	0.25	26.153	0.052	1477.	5.1
32	32.0	7.198	33.461	6.43	0.24	26.179	0.055	1478.	5.6
34	34.0	7.434	33.524	6.37	0.23	26.196	0.059	1479.	6.1
36	35.8	7.804	33.636	6.35	0.23	26.232	0.062	1481.	6.3
38	38.1	8.229	33.771	6.21	0.21	26.275	0.066	1482.	6.3
40	40.1	8.343	33.813	6.22	0.21	26.291	0.070	1483.	5.9
42	41.9	8.492	33.876	6.16	0.20	26.317	0.073	1484.	5.4
44	44.1	8.558	33.907	6.19	0.20	26.331	0.076	1484.	4.8
46	46.0	8.584	33.921	6.16	0.20	26.339	0.079	1484.	4.3
48	48.0	8.605	33.934	6.12	0.20	26.346	0.083	1484.	4.2
50	49.8	8.607	33.939	6.18	0.20	26.349	0.086	1484.	4.1
52	52.0	8.643	33.965	6.14	0.20	26.364	0.090	1484.	4.3
54	54.0	8.748	34.006	6.16	0.20	26.380	0.093	1485.	4.8
56	55.8	8.836	34.035	6.12	0.19	26.389	0.096	1485.	5.4
58	58.1	9.072	34.108	6.04	0.19	26.409	0.100	1486.	5.6
60	60.0	9.287	34.175	6.00	0.19	26.427	0.103	1487.	5.6
61	61.8	9.733	34.319	5.93	0.18	26.465	0.106	1489.	5.3
64	64.0	10.210	34.463	5.83	0.17	26.497	0.109	1491.	4.9
66	66.1	10.431	34.524	5.81	0.17	26.506	0.112	1492.	4.3
68	67.9	10.659	34.570	5.76	0.16	26.502	0.115	1493.	3.6
70	70.1	10.738	34.591	5.74	0.16	26.504	0.118	1493.	2.7
72	72.0	11.095	34.679	5.64	0.15	26.509	0.121	1494.	2.2
73	73.8	11.176	34.700	5.65	0.15	26.510	0.124	1495.	2.2
76	76.0	11.236	34.718	5.61	0.15	26.513	0.127	1495.	2.3
78	78.3	11.428	34.772	5.62	0.15	26.520	0.131	1496.	2.4
79	79.7	11.585	34.819	5.62	0.15	26.527	0.133	1496.	2.6
82	82.0	11.607	34.822	5.60	0.15	26.526	0.136	1497.	2.7
84	84.0	11.651	34.836	5.59	0.15	26.529	0.139	1497.	2.9
86	86.1	11.800	34.880	5.53	0.15	26.535	0.143	1497.	3.0
88	88.1	12.008	34.947	5.50	0.15	26.547	0.146	1498.	3.0
90	90.2	12.159	34.990	5.45	0.15	26.552	0.149	1499.	3.3
91	91.9	12.276	35.033	5.36	0.15	26.562	0.151	1499.	3.3
94	94.1	12.385	35.064	5.32	0.15	26.565	0.155	1500.	3.2
95	96.0	12.393	35.068	5.29	0.15	26.567	0.157	1500.	3.1
98	98.2	12.462	35.105	5.27	0.15	26.582	0.161	1500.	3.0
99	99.7	12.544	35.131	5.29	0.15	26.586	0.163	1500.	3.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	9	02 FEB 1982	1105	40°23.0'N	67°32.9'W	255

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
102	102.2	12.533	35.132	5.27	0.15	26.589	0.166	1500.	3.1
103	103.8	12.570	35.147	5.25	0.15	26.593	0.169	1501.	3.0
105	106.1	12.695	35.188	5.17	0.15	26.600	0.172	1501.	3.0
107	107.8	12.895	35.251	5.17	0.14	26.609	0.175	1502.	3.0
109	110.1	13.001	35.284	5.15	0.14	26.613	0.178	1502.	3.0
111	112.1	13.048	35.304	5.17	0.14	26.619	0.181	1503.	2.8
113	113.9	13.148	35.341	5.16	0.14	26.627	0.184	1503.	2.5
115	116.0	13.229	35.366	5.14	0.14	26.631	0.187	1503.	2.2
117	117.9	13.235	35.368	5.14	0.14	26.631	0.189	1503.	2.0
119	120.1	13.265	35.378	5.13	0.14	26.633	0.192	1503.	1.8
121	121.8	13.274	35.381	5.18	0.14	26.633	0.195	1504.	1.7
123	123.9	13.311	35.392	5.14	0.14	26.634	0.198	1504.	2.0
125	126.0	13.346	35.403	5.14	0.14	26.636	0.201	1504.	2.3
127	128.1	13.360	35.414	5.11	0.14	26.641	0.204	1504.	2.6
129	130.1	13.384	35.427	5.12	0.14	26.646	0.207	1504.	3.0
131	132.0	13.410	35.440	5.17	0.14	26.651	0.209	1504.	3.2
133	134.2	13.473	35.468	5.13	0.14	26.660	0.212	1505.	3.3
135	135.9	13.525	35.492	5.16	0.14	26.667	0.215	1505.	3.4
137	138.0	13.489	35.496	5.05	0.14	26.678	0.218	1505.	3.5
139	140.2	13.522	35.512	4.93	0.14	26.683	0.221	1505.	3.7
141	142.0	13.591	35.537	4.68	0.14	26.689	0.223	1505.	3.7
143	144.1	13.897	35.636	4.51	0.14	26.701	0.226	1506.	3.7
145	145.7	14.086	35.699	4.39	0.14	26.710	0.228	1507.	3.8
147	148.0	14.081	35.717	4.28	0.14	26.725	0.231	1507.	3.8
149	149.9	14.077	35.723	4.25	0.14	26.730	0.234	1507.	3.8
151	152.1	14.026	35.719	4.22	0.14	26.738	0.237	1507.	3.7
153	153.8	13.984	35.717	4.26	0.14	26.745	0.239	1507.	3.6
155	156.0	13.949	35.720	4.25	0.14	26.755	0.242	1507.	3.4
157	157.8	13.931	35.725	4.27	0.14	26.763	0.245	1507.	3.3
159	160.1	13.874	35.720	4.27	0.14	26.771	0.248	1507.	3.0
161	161.8	13.799	35.709	4.32	0.14	26.778	0.250	1506.	2.8
163	164.1	13.776	35.703	4.30	0.14	26.779	0.253	1506.	2.5
165	165.8	13.768	35.702	4.34	0.14	26.780	0.255	1506.	2.2
167	168.1	13.697	35.684	4.33	0.14	26.781	0.258	1506.	2.1
169	170.0	13.624	35.674	4.30	0.14	26.788	0.261	1506.	2.2
171	171.7	13.604	35.669	4.35	0.14	26.788	0.263	1506.	2.3
173	174.1	13.547	35.656	4.34	0.14	26.790	0.266	1506.	2.5
175	175.9	13.467	35.641	4.34	0.14	26.795	0.268	1505.	3.1
177	178.1	13.311	35.606	4.35	0.15	26.800	0.271	1505.	3.4
179	179.7	13.235	35.588	4.44	0.15	26.802	0.273	1505.	3.6
181	182.1	12.733	35.469	4.51	0.16	26.811	0.276	1503.	4.2
183	183.9	12.215	35.374	4.56	0.16	26.838	0.278	1501.	4.7
185	186.0	12.089	35.344	4.55	0.16	26.840	0.281	1501.	5.0
187	188.0	11.897	35.290	4.50	0.17	26.835	0.283	1500.	5.0
189	190.2	11.389	35.231	4.54	0.17	26.885	0.286	1498.	4.8
191	191.8	11.293	35.231	4.52	0.17	26.902	0.288	1498.	4.4
193	194.2	11.258	35.230	4.49	0.17	26.908	0.291	1498.	4.2
195	195.8	11.254	35.231	4.48	0.17	26.910	0.293	1498.	3.8
197	198.0	11.243	35.234	4.44	0.17	26.914	0.295	1498.	3.1
199	200.1	11.215	35.232	4.43	0.17	26.917	0.298	1498.	3.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	9	02 FEB 1982	1105	40°23.0'N	67°32.9'W	255

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
201	202.0	11.162	35.226	4.41	0.17	26.923	0.300	1498.	3.4
203	204.2	11.098	35.225	4.42	0.17	26.933	0.303	1497.	3.6
205	205.9	11.060	35.225	4.38	0.17	26.941	0.305	1497.	3.7
207	208.2	10.921	35.212	4.38	0.18	26.956	0.307	1497.	3.7
209	209.9	10.868	35.210	4.39	0.18	26.964	0.309	1497.	3.6
211	212.1	10.858	35.214	4.37	0.18	26.968	0.312	1497.	3.3
212	213.7	10.824	35.211	4.36	0.18	26.973	0.314	1497.	3.2
215	216.1	10.761	35.206	4.37	0.18	26.980	0.316	1496.	3.4
217	218.0	10.740	35.208	4.37	0.18	26.985	0.318	1496.	3.7
219	219.9	10.743	35.211	4.35	0.18	26.987	0.320	1496.	4.3
221	222.0	10.684	35.211	4.33	0.18	26.997	0.323	1496.	4.8
223	224.1	10.579	35.220	4.31	0.18	27.023	0.325	1496.	5.2
224	225.7	10.512	35.223	4.27	0.17	27.037	0.327	1496.	5.5
227	228.1	10.346	35.227	4.26	0.17	27.070	0.329	1495.	5.6
229	230.0	10.247	35.226	4.21	0.17	27.086	0.331	1495.	5.8
231	232.3	10.142	35.224	4.21	0.17	27.103	0.333	1494.	5.9
233	234.0	10.001	35.217	4.20	0.17	27.121	0.335	1494.	5.9
234	235.8	9.891	35.211	4.18	0.17	27.136	0.337	1494.	5.9
236	237.9	9.661	35.200	4.20	0.17	27.166	0.339	1493.	6.0
239	240.0	9.421	35.194	4.20	0.17	27.202	0.341	1492.	5.8
240	241.3	9.386	35.193	4.21	0.17	27.206	0.342	1492.	6.1
241	242.0	9.354	35.193	4.18	0.16	27.212	0.343	1492.	6.6
242	243.0	9.317	35.188	4.09	0.16	27.215	0.344	1492.	7.0
242	244.0	9.245	35.167	4.08	0.16	27.210	0.344	1491.	7.9
244	245.0	8.858	35.160	4.14	0.16	27.266	0.345	1490.	8.5
244	245.9	8.649	35.149	4.14	0.16	27.291	0.346	1489.	8.6
246	247.0	8.382	35.116	4.13	0.15	27.307	0.347	1488.	8.6
247	248.1	8.009	35.098	4.18	0.15	27.350	0.348	1487.	8.6
247	249.0	7.940	35.095	4.20	0.15	27.358	0.349	1486.	8.6
248	250.0	7.895	35.092	4.21	0.15	27.362	0.349	1486.	8.6
249	250.6	7.894	35.091	4.18	0.15	27.362	0.350	1486.	8.6

STA 10 DAY: 2 TIME: 1147

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	6.7	51.5	9.6	83.5	11.5	122.0	13.6	170.0	13.1
1.9	6.7	51.5	9.7	84.4	11.5	123.0	13.6	171.9	13.0
3.9	6.7	51.5	9.9	85.4	11.4	123.9	13.7	171.9	13.0
6.8	6.7	51.5	10.0	86.4	11.4	124.9	13.7	173.8	12.9
7.8	6.7	52.5	10.1	88.3	11.4	124.9	13.8	173.8	12.8
9.7	6.7	52.5	10.2	90.2	11.4	125.9	13.8	174.8	12.7
11.7	6.7	53.5	10.2	90.2	11.4	127.8	13.9	175.7	12.7
12.7	6.7	53.5	10.3	92.1	11.4	128.7	13.9	175.7	12.5
14.6	6.7	53.5	10.4	93.1	11.4	129.7	13.9	177.6	12.4
15.6	6.8	54.4	10.5	93.1	11.5	130.7	14.0	177.6	12.4
16.6	6.8	54.4	10.5	94.1	11.6	131.6	14.0	178.6	12.4
17.5	6.8	54.4	10.6	95.0	11.6	133.5	13.9	179.5	12.4
19.5	6.8	55.4	10.7	96.0	11.7	135.5	13.9	181.5	12.3
21.4	6.8	55.4	10.8	96.0	11.7	136.4	13.9	183.4	12.3
23.4	6.8	56.4	10.9	97.9	11.7	137.4	13.9	184.3	12.3
26.3	6.8	57.3	11.0	98.9	11.8	138.3	13.8	184.3	12.3
28.2	6.8	58.3	11.1	99.9	11.8	139.3	13.8	185.3	12.2
29.2	6.8	58.3	11.2	100.8	11.9	140.3	13.8	187.2	12.2
32.1	6.8	59.3	11.3	100.8	12.0	140.3	13.7	189.1	12.2
34.1	6.8	60.2	11.3	101.8	12.1	140.3	13.7	190.1	12.2
36.0	6.9	61.2	11.4	101.8	12.2	141.2	13.7	191.0	12.1
37.0	6.9	61.2	11.5	102.8	12.2	142.2	13.6	191.0	12.1
37.0	7.0	61.2	11.5	102.8	12.3	143.1	13.7	192.0	12.1
37.9	7.1	62.2	11.6	103.7	12.3	144.1	13.7	193.9	12.0
38.9	7.2	63.1	11.7	103.7	12.3	144.1	13.7	194.8	12.0
39.9	7.3	63.1	11.7	103.7	12.3	145.1	13.8	195.8	12.0
39.9	7.4	64.1	11.8	105.6	12.3	146.0	13.8	196.7	11.9
40.9	7.5	65.1	11.8	106.6	12.3	146.0	13.8	198.6	11.9
41.8	7.5	66.0	11.9	107.6	12.4	147.0	13.8	200.5	11.9
41.8	7.6	67.0	11.9	107.6	12.5	147.9	13.7	201.5	11.9
42.8	7.8	68.0	12.0	107.6	12.5	147.9	13.6	202.5	11.8
43.8	7.9	68.0	12.0	108.5	12.7	147.9	13.5	203.4	11.7
44.7	8.0	68.0	12.1	109.5	12.8	148.9	13.4	204.4	11.6
44.7	8.1	69.0	12.1	109.5	12.8	149.9	13.3	205.3	11.6
45.7	8.1	69.9	12.1	109.5	12.9	150.8	13.3	207.2	11.6
45.7	8.2	70.9	12.1	110.5	13.0	151.8	13.2	209.1	11.6
45.7	8.2	71.9	12.2	110.5	13.1	152.7	13.2	210.1	11.5
46.7	8.3	73.8	12.2	111.4	13.1	153.7	13.1	211.0	11.5
46.7	8.4	75.7	12.2	112.4	13.2	153.7	13.1	212.9	11.4
47.6	8.5	76.7	12.2	112.4	13.3	155.6	13.0	213.9	11.4
47.6	8.6	77.7	12.2	114.3	13.4	155.6	13.0	215.8	11.4
47.6	8.7	77.7	12.1	114.3	13.4	156.6	13.0	216.7	11.4
48.6	8.8	78.6	12.0	115.3	13.5	157.5	13.0	218.6	11.4
48.6	8.8	78.6	12.0	116.2	13.5	159.4	13.0	219.6	11.4
49.6	8.9	79.6	11.9	117.2	13.5	160.4	13.0	220.5	11.3
49.6	9.0	80.6	11.8	119.1	13.5	160.4	13.1	221.5	11.3
50.6	9.1	81.5	11.7	120.1	13.5	162.3	13.1	222.4	11.2
50.6	9.2	81.5	11.7	121.1	13.5	164.2	13.1	222.4	11.1
50.6	9.4	82.5	11.6	121.1	13.6	166.2	13.1	223.4	11.1
50.6	9.5	82.5	11.5	122.0	13.6	168.1	13.1	223.4	11.0

STA 10 DAY: 2 TIME: 1147

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
224.4	11.0	268.0	8.1	353.7	6.3	453.3	5.4	584.7	4.8
224.4	10.9	268.9	8.1	353.7	6.3	455.2	5.4	588.4	4.7
226.3	10.8	270.8	8.0	354.6	6.2	458.0	5.4	591.1	4.8
227.2	10.8	273.7	8.0	356.5	6.2	459.8	5.3	592.9	4.7
227.2	10.7	275.6	8.0	358.4	6.2	460.8	5.3	594.7	4.7
228.2	10.7	277.4	8.0	359.3	6.1	462.6	5.3	596.6	4.8
229.1	10.6	280.3	7.9	360.2	6.1	463.5	5.3	598.4	4.7
230.1	10.6	281.2	7.8	362.1	6.1	465.4	5.3	600.2	4.7
230.1	10.5	282.2	7.7	363.0	6.1	467.2	5.2	603.8	4.7
231.0	10.4	284.1	7.6	364.9	6.0	469.1	5.2	604.8	4.7
231.0	10.4	285.9	7.5	365.8	6.0	471.8	5.2	606.6	4.7
232.0	10.3	286.9	7.5	367.7	6.0	473.7	5.2	612.0	4.7
232.0	10.3	288.8	7.4	369.6	5.9	475.5	5.2	614.7	4.7
233.9	10.2	289.7	7.4	371.5	5.9	478.3	5.2	618.4	4.7
234.8	10.2	291.6	7.4	373.3	5.9	480.2	5.2	622.0	4.7
236.7	10.2	293.5	7.3	375.2	5.9	482.0	5.2	626.5	4.7
238.6	10.2	295.4	7.3	377.1	5.9	484.8	5.2	631.1	4.7
239.6	10.2	296.3	7.2	378.9	5.9	485.7	5.2	635.6	4.6
241.5	10.2	298.2	7.2	380.8	5.9	488.5	5.1	640.1	4.7
242.4	10.2	299.2	7.2	381.7	5.9	490.3	5.1	641.9	4.6
243.4	10.1	301.0	7.2	383.6	5.8	493.1	5.1	645.6	4.6
244.3	10.1	302.9	7.1	385.5	5.8	495.8	5.1	649.2	4.6
245.2	10.1	304.8	7.1	387.3	5.8	498.6	5.1	653.7	4.5
246.2	10.0	306.7	7.0	389.2	5.8	501.4	5.0	658.2	4.6
247.1	9.9	307.6	7.0	391.1	5.8	503.2	5.0	663.6	4.5
248.1	9.9	310.5	6.9	392.9	5.8	505.0	5.0	668.1	4.6
249.0	9.8	311.4	6.9	394.8	5.8	507.8	5.0	670.0	4.5
250.0	9.8	314.2	6.8	397.6	5.7	510.6	5.0	673.6	4.5
250.9	9.8	315.2	6.8	400.4	5.7	513.3	5.0	676.3	4.5
251.9	9.8	317.1	6.8	403.2	5.7	517.9	5.0	679.9	4.5
252.8	9.7	318.9	6.8	407.8	5.7	521.6	5.0	684.4	4.4
253.8	9.7	320.8	6.8	409.7	5.7	525.3	4.9	688.9	4.5
254.7	9.5	322.7	6.8	410.6	5.7	529.9	4.9	693.4	4.5
254.7	9.5	324.6	6.8	414.4	5.7	534.4	4.9	697.9	4.5
255.7	9.4	326.5	6.8	417.2	5.7	539.0	4.9	701.5	4.5
256.6	9.4	329.3	6.8	420.9	5.7	543.6	4.9	705.0	4.5
257.6	9.3	331.2	6.8	422.7	5.5	546.4	4.9	709.5	4.5
258.5	9.2	333.0	6.8	425.5	5.5	547.3	4.9	713.1	4.5
258.5	9.1	333.0	6.7	427.4	5.5	548.2	4.8	718.5	4.4
259.5	9.0	334.9	6.7	430.2	5.5	551.8	4.8	723.0	4.4
260.4	8.9	335.9	6.7	433.0	5.5	554.6	4.8	727.5	4.4
260.4	8.8	337.7	6.6	436.7	5.5	559.2	4.8	732.8	4.4
260.4	8.8	340.5	6.6	438.5	5.5	563.7	4.9	738.2	4.4
262.3	8.7	342.4	6.5	439.4	5.5	565.6	4.8	742.7	4.4
263.3	8.7	343.4	6.5	441.3	5.5	568.3	4.8	747.1	4.4
264.2	8.6	344.3	6.5	443.2	5.4	571.0	4.8	751.6	4.4
264.2	8.5	347.1	6.5	445.9	5.4	572.9	4.7	756.1	4.4
265.1	8.4	349.0	6.4	446.9	5.4	576.5	4.7	760.5	4.4
266.1	8.3	350.9	6.4	448.7	5.4	578.3	4.7	765.9	4.4
267.0	8.2	352.7	6.4	450.6	5.4	582.0	4.8	767.6	4.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	11	02 FEB 1982	1213	40°16.6'N	67°30.3'W	1310

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.8	6.943	33.400	6.97	0.26	26.167	0.000	1476.	0.7
4	4.1	6.944	33.401	6.97	0.26	26.167	0.002	1477.	0.7
6	5.8	6.949	33.402	6.92	0.26	26.167	0.006	1477.	0.7
8	8.3	6.951	33.403	6.88	0.26	26.167	0.010	1477.	0.7
10	9.9	6.956	33.404	6.91	0.26	26.168	0.013	1477.	0.7
12	12.2	6.965	33.407	6.92	0.26	26.169	0.017	1477.	0.8
14	13.7	6.960	33.404	6.91	0.26	26.168	0.020	1477.	1.1
16	15.9	6.972	33.408	6.92	0.26	26.169	0.024	1477.	1.3
18	18.2	6.977	33.410	6.94	0.26	26.170	0.028	1477.	1.4
20	19.7	6.985	33.412	6.94	0.26	26.170	0.031	1477.	1.5
22	22.0	7.021	33.424	6.94	0.25	26.175	0.035	1477.	1.7
24	24.0	7.034	33.427	6.97	0.25	26.176	0.039	1477.	1.8
26	26.2	7.042	33.431	6.96	0.25	26.177	0.043	1477.	1.8
28	28.1	7.058	33.436	6.99	0.25	26.179	0.046	1477.	1.8
30	29.8	7.079	33.442	7.00	0.25	26.181	0.050	1477.	1.9
32	32.1	7.120	33.454	7.02	0.25	26.185	0.054	1478.	2.2
34	34.0	7.143	33.460	7.00	0.25	26.187	0.057	1478.	2.6
36	36.1	7.155	33.464	7.00	0.25	26.188	0.061	1478.	3.1
38	38.0	7.217	33.483	6.98	0.25	26.194	0.065	1478.	3.6
40	39.9	7.298	33.510	6.96	0.25	26.205	0.068	1479.	4.0
42	42.1	7.448	33.547	6.94	0.24	26.213	0.072	1479.	4.4
44	44.0	7.669	33.619	6.91	0.24	26.238	0.075	1480.	5.1
46	46.1	7.814	33.660	6.89	0.23	26.249	0.079	1481.	6.2
47	47.7	7.967	33.701	6.84	0.22	26.259	0.082	1482.	7.3
50	50.1	8.376	33.805	6.76	0.21	26.280	0.086	1483.	7.9
52	51.9	8.833	33.966	6.65	0.20	26.335	0.089	1485.	8.2
54	54.1	9.605	34.235	6.45	0.19	26.421	0.093	1488.	8.1
56	56.0	10.627	34.560	6.26	0.17	26.500	0.096	1492.	7.7
58	57.9	10.965	34.641	6.19	0.16	26.503	0.099	1494.	6.9
60	60.0	11.671	34.852	6.00	0.15	26.537	0.102	1497.	5.5
62	62.0	11.824	34.880	5.96	0.15	26.530	0.105	1497.	3.8
64	64.0	11.878	34.894	5.92	0.15	26.531	0.108	1497.	2.1
66	66.1	11.888	34.895	5.86	0.15	26.530	0.111	1497.	1.4
68	68.0	11.891	34.896	5.83	0.15	26.529	0.114	1497.	0.4
70	69.9	11.893	34.896	5.79	0.15	26.529	0.117	1497.	1.5
72	72.2	11.887	34.894	5.75	0.15	26.529	0.120	1497.	1.9
73	73.8	11.825	34.879	5.77	0.15	26.529	0.123	1497.	2.2
76	76.2	11.985	34.932	5.78	0.15	26.539	0.126	1498.	2.3
77	77.7	12.040	34.951	5.75	0.15	26.544	0.129	1498.	2.3
80	80.1	11.920	34.928	5.77	0.15	26.549	0.132	1498.	2.6
82	82.0	11.929	34.932	5.73	0.15	26.550	0.135	1498.	2.8
84	84.0	11.925	34.931	5.69	0.15	26.550	0.138	1498.	2.7
85	85.9	11.898	34.927	5.68	0.15	26.552	0.141	1498.	2.7
88	88.1	12.053	34.988	5.67	0.15	26.570	0.144	1498.	2.7
89	90.0	12.134	35.014	5.63	0.15	26.575	0.147	1499.	2.6
91	91.8	12.159	35.020	5.64	0.15	26.575	0.150	1499.	2.8
93	94.0	12.185	35.028	5.63	0.15	26.576	0.153	1499.	2.9
96	96.2	12.207	35.037	5.63	0.15	26.579	0.156	1499.	2.8
97	97.9	12.190	35.034	5.59	0.15	26.580	0.159	1499.	2.8
100	100.1	12.217	35.068	5.63	0.15	26.600	0.162	1499.	2.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	11	02 FEB 1982	1213	40°16.6'N	67°30.3'W	1310

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
101	102.0	12.400	35.121	5.55	0.15	26.607	0.165	1500.	3.3
103	103.9	12.423	35.126	5.47	0.15	26.606	0.167	1500.	3.5
105	105.9	12.437	35.129	5.51	0.15	26.606	0.170	1500.	3.5
107	108.0	12.704	35.198	5.48	0.15	26.606	0.173	1501.	3.3
110	110.2	13.204	35.380	5.41	0.14	26.647	0.176	1503.	3.2
111	111.7	13.218	35.382	5.21	0.14	26.646	0.179	1503.	3.1
113	114.0	13.233	35.386	5.10	0.14	26.645	0.182	1503.	2.7
115	116.1	13.361	35.423	5.05	0.14	26.648	0.185	1504.	2.6
117	118.1	13.406	35.434	5.01	0.14	26.647	0.188	1504.	2.2
119	119.8	13.389	35.430	4.98	0.14	26.647	0.190	1504.	2.5
121	122.2	13.388	35.431	5.00	0.14	26.648	0.193	1504.	2.6
123	123.9	13.590	35.511	4.95	0.14	26.668	0.196	1505.	2.7
125	126.0	13.709	35.549	4.92	0.14	26.673	0.199	1505.	2.9
127	128.0	13.705	35.548	4.88	0.14	26.673	0.202	1505.	3.2
129	130.0	13.707	35.550	4.88	0.14	26.674	0.204	1505.	3.5
131	131.8	13.740	35.562	4.81	0.14	26.677	0.207	1505.	3.7
133	134.0	13.918	35.632	4.78	0.14	26.694	0.210	1506.	4.0
135	135.8	13.970	35.661	4.74	0.14	26.706	0.212	1506.	4.2
137	138.1	14.067	35.714	4.66	0.14	26.726	0.215	1507.	4.4
139	140.1	14.095	35.738	4.56	0.13	26.739	0.218	1507.	4.3
141	142.0	14.085	35.741	4.31	0.13	26.743	0.221	1507.	4.1
143	144.2	14.062	35.751	4.29	0.13	26.756	0.224	1507.	3.8
145	146.0	14.101	35.776	4.17	0.13	26.767	0.226	1507.	3.6
147	148.0	14.128	35.793	4.09	0.13	26.774	0.229	1507.	3.7
149	150.0	14.123	35.797	4.04	0.13	26.778	0.231	1507.	4.0
151	152.2	14.134	35.803	4.02	0.13	26.780	0.234	1507.	4.1
153	154.0	14.080	35.804	3.97	0.13	26.792	0.236	1507.	4.3
155	155.9	13.927	35.792	3.97	0.13	26.815	0.239	1507.	4.5
157	158.2	13.820	35.783	3.95	0.13	26.831	0.242	1506.	4.6
159	160.0	13.760	35.778	3.88	0.13	26.840	0.244	1506.	4.6
161	162.1	13.638	35.760	3.88	0.13	26.852	0.246	1506.	4.5
163	164.1	13.515	35.746	3.84	0.13	26.867	0.249	1505.	4.3
165	165.7	13.450	35.738	3.80	0.13	26.873	0.251	1505.	4.1
167	168.1	13.348	35.727	3.80	0.13	26.886	0.254	1505.	4.0
169	170.2	13.204	35.703	3.83	0.13	26.897	0.256	1505.	3.9
171	171.8	13.158	35.699	3.78	0.13	26.903	0.258	1504.	3.9
173	174.2	13.076	35.689	3.80	0.13	26.912	0.261	1504.	3.9
175	175.8	13.002	35.680	3.80	0.13	26.920	0.263	1504.	4.0
177	178.0	12.914	35.669	3.79	0.13	26.929	0.266	1504.	3.9
179	180.2	12.759	35.644	3.81	0.13	26.941	0.268	1503.	3.9
181	181.7	12.666	35.632	3.80	0.13	26.950	0.270	1503.	3.8
183	184.0	12.555	35.622	3.80	0.13	26.965	0.272	1502.	3.7
185	186.1	12.486	35.607	3.81	0.13	26.967	0.275	1502.	3.7
187	187.9	12.405	35.594	3.77	0.13	26.973	0.277	1502.	3.6
189	190.0	12.306	35.582	3.76	0.13	26.982	0.279	1502.	3.7
191	192.1	12.231	35.569	3.75	0.13	26.987	0.281	1501.	3.8
193	194.0	12.117	35.555	3.71	0.13	26.998	0.284	1501.	4.0
195	195.9	11.975	35.535	3.72	0.13	27.010	0.286	1501.	4.0
197	198.1	11.830	35.515	3.72	0.13	27.022	0.288	1500.	3.9
199	200.1	11.720	35.502	3.70	0.13	27.033	0.290	1500.	3.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	11	02 FEB 1982	1213	40°16.6'N	67°30.3'W	1310

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
201	201.7	11.656	35.495	3.70	0.13	27.040	0.292	1500.	3.5
203	204.1	11.585	35.484	3.70	0.13	27.045	0.294	1499.	3.2
205	205.8	11.504	35.472	3.70	0.13	27.050	0.296	1499.	2.9
207	208.0	11.470	35.468	3.68	0.13	27.054	0.299	1499.	2.8
209	210.1	11.392	35.456	3.70	0.13	27.059	0.301	1499.	2.7
211	212.1	11.354	35.450	3.70	0.13	27.062	0.303	1499.	2.8
213	213.9	11.314	35.445	3.68	0.13	27.065	0.305	1499.	3.3
215	216.2	11.223	35.432	3.70	0.13	27.072	0.307	1498.	3.6
217	218.0	11.157	35.424	3.70	0.13	27.077	0.309	1498.	3.7
219	220.0	11.020	35.403	3.71	0.13	27.086	0.311	1498.	3.9
221	222.0	10.787	35.380	3.72	0.13	27.111	0.313	1497.	3.9
223	224.2	10.688	35.362	3.74	0.13	27.114	0.315	1496.	3.8
224	225.8	10.649	35.357	3.76	0.13	27.118	0.317	1496.	3.6
227	228.0	10.554	35.350	3.76	0.13	27.129	0.319	1496.	3.4
229	230.3	10.491	35.339	3.77	0.13	27.131	0.321	1496.	3.1
230	231.7	10.446	35.335	3.79	0.13	27.136	0.323	1496.	3.0
233	234.0	10.363	35.327	3.78	0.13	27.144	0.325	1495.	2.9
235	236.2	10.277	35.314	3.79	0.13	27.150	0.327	1495.	2.7
237	238.1	10.235	35.309	3.80	0.13	27.153	0.329	1495.	2.7
239	240.1	10.204	35.304	3.80	0.13	27.155	0.331	1495.	2.6
240	241.8	10.147	35.296	3.79	0.13	27.158	0.332	1495.	2.6
243	244.1	10.079	35.288	3.77	0.13	27.164	0.334	1494.	2.6
245	246.1	10.021	35.282	3.79	0.13	27.169	0.336	1494.	3.0
247	248.3	9.976	35.273	3.80	0.13	27.170	0.338	1494.	3.3
249	250.2	9.890	35.263	3.80	0.13	27.177	0.340	1494.	3.5
250	251.9	9.817	35.255	3.78	0.14	27.183	0.342	1494.	3.5
252	254.0	9.595	35.228	3.77	0.14	27.199	0.344	1493.	3.5
254	256.0	9.483	35.216	3.80	0.14	27.209	0.345	1492.	3.3
256	257.9	9.423	35.211	3.82	0.14	27.214	0.347	1492.	2.9
259	260.2	9.411	35.210	3.81	0.14	27.216	0.349	1492.	2.5
260	261.8	9.409	35.210	3.83	0.14	27.216	0.351	1492.	2.0
262	264.1	9.407	35.210	3.83	0.14	27.217	0.353	1492.	2.0
264	265.9	9.406	35.210	3.84	0.14	27.217	0.354	1492.	2.3
266	268.0	9.377	35.206	3.82	0.14	27.218	0.356	1492.	2.7
268	269.9	9.284	35.197	3.83	0.14	27.226	0.358	1492.	3.0
270	272.0	9.184	35.187	3.85	0.14	27.235	0.360	1492.	3.3
272	274.0	9.124	35.184	3.85	0.14	27.243	0.362	1491.	3.4
274	276.1	9.049	35.178	3.86	0.14	27.250	0.363	1491.	3.3
276	277.8	8.973	35.171	3.88	0.14	27.257	0.365	1491.	3.1
278	280.1	8.911	35.166	3.89	0.14	27.263	0.367	1491.	2.9
281	282.3	8.889	35.166	3.90	0.13	27.266	0.369	1491.	2.8
282	283.9	8.871	35.165	3.88	0.13	27.269	0.370	1491.	2.9
284	286.0	8.840	35.163	3.89	0.14	27.272	0.372	1491.	2.9
286	288.2	8.777	35.159	3.89	0.13	27.279	0.374	1490.	2.9
288	290.0	8.746	35.158	3.90	0.13	27.283	0.375	1490.	2.9
290	292.0	8.627	35.150	3.91	0.14	27.295	0.377	1490.	2.9
292	294.2	8.598	35.147	3.93	0.13	27.297	0.379	1490.	2.8
294	295.8	8.591	35.145	3.93	0.13	27.297	0.380	1490.	2.7
296	298.1	8.516	35.136	3.91	0.13	27.302	0.382	1489.	2.6
298	300.2	8.390	35.116	3.97	0.13	27.306	0.384	1489.	2.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	11	02 FEB 1982	1213	40°16.6'N	67°30.3'W	1310

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
300	301.9	8.283	35.102	4.03	0.13	27.311	0.385	1489.	2.4
302	304.0	8.238	35.097	4.04	0.14	27.314	0.387	1488.	2.3
304	306.1	8.180	35.087	4.07	0.14	27.315	0.388	1488.	2.1
306	308.1	8.132	35.082	4.11	0.13	27.319	0.390	1488.	2.0
308	309.8	8.115	35.081	4.11	0.13	27.320	0.391	1488.	2.2
310	312.0	8.110	35.080	4.12	0.13	27.321	0.393	1488.	2.5
312	314.1	8.102	35.080	4.12	0.13	27.321	0.395	1488.	2.8
314	315.9	8.007	35.069	4.13	0.13	27.327	0.396	1488.	3.0
316	317.9	7.915	35.066	4.12	0.13	27.338	0.398	1487.	3.1
318	320.1	7.898	35.073	4.12	0.13	27.347	0.399	1487.	3.1
320	322.0	7.859	35.070	4.16	0.13	27.351	0.401	1487.	2.9
322	323.9	7.813	35.070	4.15	0.13	27.358	0.402	1487.	2.6
324	326.1	7.806	35.072	4.14	0.13	27.360	0.404	1487.	2.4
326	328.1	7.801	35.072	4.16	0.13	27.360	0.406	1487.	2.5
328	330.1	7.785	35.070	4.19	0.13	27.361	0.407	1487.	2.6
330	331.8	7.775	35.070	4.19	0.13	27.362	0.408	1487.	2.7
332	334.0	7.720	35.070	4.20	0.13	27.371	0.410	1487.	3.0
334	336.0	7.616	35.066	4.22	0.13	27.383	0.412	1487.	3.1
336	338.1	7.595	35.066	4.24	0.13	27.386	0.413	1487.	3.0
338	339.8	7.549	35.062	4.26	0.13	27.389	0.414	1486.	2.9
340	342.0	7.476	35.061	4.28	0.13	27.400	0.416	1486.	2.7
342	344.1	7.423	35.049	4.29	0.14	27.398	0.418	1486.	2.7
344	346.0	7.391	35.047	4.34	0.13	27.401	0.419	1486.	2.9
346	348.0	7.341	35.043	4.37	0.14	27.405	0.420	1486.	2.9
348	349.9	7.293	35.040	4.37	0.13	27.409	0.422	1486.	3.0
350	352.0	7.139	35.029	4.39	0.14	27.423	0.423	1485.	3.1
352	354.0	7.072	35.023	4.42	0.14	27.427	0.425	1485.	3.0
354	356.1	7.035	35.019	4.48	0.14	27.429	0.426	1485.	2.8
356	357.8	6.960	35.011	4.51	0.14	27.433	0.427	1484.	2.5
358	360.1	6.929	35.011	4.51	0.14	27.437	0.429	1484.	2.2
360	361.9	6.919	35.010	4.54	0.14	27.438	0.430	1484.	2.1
362	364.0	6.897	35.009	4.56	0.14	27.441	0.432	1484.	2.1
364	366.1	6.852	35.004	4.58	0.14	27.443	0.433	1484.	2.1
366	367.9	6.820	35.002	4.60	0.14	27.445	0.434	1484.	2.2
368	370.1	6.795	35.001	4.57	0.14	27.448	0.436	1484.	2.2
370	371.9	6.779	34.999	4.60	0.14	27.449	0.437	1484.	2.2
372	374.0	6.694	34.993	4.64	0.14	27.456	0.438	1484.	2.2
374	376.0	6.656	34.991	4.64	0.14	27.459	0.440	1483.	2.2
376	378.3	6.650	34.992	4.67	0.14	27.461	0.441	1483.	2.2
377	379.7	6.646	34.991	4.70	0.14	27.461	0.442	1484.	2.1
380	382.1	6.609	34.991	4.67	0.14	27.465	0.444	1483.	2.0
382	384.1	6.575	34.988	4.68	0.14	27.468	0.445	1483.	2.1
384	386.0	6.562	34.989	4.71	0.14	27.470	0.446	1483.	2.2
385	387.9	6.545	34.988	4.72	0.14	27.472	0.448	1483.	2.3
388	390.0	6.519	34.988	4.72	0.14	27.475	0.449	1483.	2.3
390	392.1	6.486	34.987	4.70	0.14	27.479	0.450	1483.	2.4
392	394.1	6.450	34.986	4.76	0.14	27.483	0.452	1483.	2.4
393	395.9	6.423	34.986	4.77	0.14	27.487	0.453	1483.	2.3
395	398.1	6.388	34.985	4.75	0.14	27.491	0.454	1483.	2.4
397	400.0	6.368	34.985	4.77	0.14	27.493	0.456	1483.	2.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	11	02 FEB 1982	1213	40°16.6'N	67°30.3'W	1310

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
400	402.2	6.361	34.985	4.81	0.14	27.494	0.457	1483.	2.4
401	403.8	6.344	34.985	4.82	0.14	27.496	0.458	1483.	2.3
403	406.1	6.285	34.985	4.80	0.14	27.504	0.459	1483.	2.2
405	408.0	6.260	34.985	4.81	0.14	27.508	0.461	1482.	2.2
407	410.1	6.250	34.986	4.83	0.14	27.509	0.462	1482.	2.2
409	411.9	6.239	34.985	4.85	0.14	27.510	0.463	1482.	2.2
411	414.0	6.230	34.985	4.82	0.14	27.511	0.464	1482.	2.1
413	416.1	6.196	34.984	4.83	0.14	27.515	0.466	1482.	2.2
415	418.0	6.163	34.984	4.87	0.14	27.519	0.467	1482.	2.2
417	419.9	6.136	34.984	4.89	0.14	27.523	0.468	1482.	2.3
419	422.1	6.120	34.984	4.87	0.14	27.525	0.469	1482.	2.3
421	423.9	6.096	34.984	4.91	0.14	27.528	0.470	1482.	2.3
423	426.0	6.082	34.985	4.91	0.15	27.530	0.472	1482.	2.3
425	427.9	6.052	34.984	4.93	0.15	27.534	0.473	1482.	2.2
427	430.0	6.018	34.985	4.94	0.15	27.539	0.474	1482.	2.1
429	432.1	6.003	34.985	4.94	0.15	27.541	0.475	1482.	1.9
431	434.0	5.992	34.986	4.96	0.15	27.543	0.476	1482.	1.8
433	435.9	5.986	34.985	4.98	0.15	27.543	0.478	1482.	1.8
435	438.0	5.983	34.985	4.97	0.15	27.544	0.479	1482.	1.8
437	440.1	5.969	34.985	4.97	0.15	27.545	0.480	1482.	1.8
439	441.7	5.941	34.984	5.00	0.15	27.548	0.481	1482.	1.9
441	444.0	5.903	34.984	5.00	0.15	27.552	0.482	1482.	1.9
443	445.9	5.885	34.984	5.00	0.15	27.555	0.484	1482.	1.8
445	447.9	5.880	34.984	5.03	0.15	27.555	0.485	1482.	1.7
447	450.1	5.877	34.984	5.01	0.15	27.556	0.486	1482.	1.6
449	452.0	5.871	34.984	5.04	0.15	27.557	0.487	1482.	1.5
451	453.8	5.862	34.984	5.06	0.15	27.558	0.488	1482.	1.5
453	456.1	5.850	34.984	5.06	0.14	27.560	0.489	1482.	1.5
455	457.9	5.839	34.985	5.06	0.15	27.562	0.491	1482.	1.5
457	460.0	5.824	34.985	5.08	0.14	27.564	0.492	1482.	1.5
459	462.0	5.821	34.986	5.08	0.14	27.564	0.493	1482.	1.5
461	463.9	5.816	34.986	5.08	0.14	27.565	0.494	1482.	1.6
463	466.0	5.810	34.986	5.09	0.14	27.566	0.495	1482.	1.6
465	467.9	5.805	34.986	5.09	0.14	27.567	0.496	1482.	1.7
467	470.1	5.780	34.986	5.10	0.14	27.570	0.497	1482.	1.8
469	471.9	5.745	34.984	5.13	0.14	27.573	0.499	1481.	1.8
471	474.0	5.730	34.984	5.11	0.14	27.575	0.500	1481.	1.7
473	476.1	5.717	34.984	5.13	0.14	27.576	0.501	1481.	1.7
475	477.9	5.711	34.984	5.14	0.14	27.577	0.502	1481.	1.5
477	480.2	5.697	34.983	5.15	0.14	27.578	0.503	1481.	1.4
479	481.7	5.688	34.983	5.18	0.14	27.579	0.504	1481.	1.3
481	484.0	5.676	34.982	5.15	0.14	27.580	0.505	1481.	1.3
483	486.1	5.668	34.982	5.15	0.14	27.581	0.507	1481.	1.3
485	488.1	5.651	34.981	5.18	0.14	27.582	0.508	1481.	1.3
487	490.0	5.646	34.982	5.19	0.15	27.583	0.509	1481.	1.4
489	492.0	5.642	34.981	5.18	0.14	27.583	0.510	1481.	1.6
491	494.0	5.636	34.981	5.20	0.14	27.584	0.511	1481.	1.7
493	496.1	5.605	34.979	5.23	0.14	27.586	0.512	1481.	1.8
495	497.9	5.570	34.978	5.24	0.14	27.589	0.513	1481.	1.9
497	499.9	5.558	34.979	5.23	0.14	27.592	0.514	1481.	2.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	12	02 FEB 1982	1330	40°17.6'N	67°39.3'W	1440

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.6	7.106	33.465	6.63	0.26	26.195	0.000	1477.	0.7
4	3.8	7.105	33.465	6.64	0.26	26.195	0.002	1477.	0.7
6	6.1	7.105	33.466	6.63	0.26	26.196	0.006	1477.	0.7
8	7.8	7.108	33.466	6.67	0.26	26.196	0.009	1477.	0.7
10	10.0	7.109	33.467	6.72	0.26	26.196	0.013	1477.	0.7
12	12.0	7.116	33.469	6.72	0.26	26.197	0.017	1477.	0.7
14	13.8	7.118	33.468	6.77	0.26	26.196	0.020	1477.	0.6
16	16.0	7.119	33.469	6.79	0.26	26.197	0.024	1477.	0.5
18	18.0	7.120	33.470	6.78	0.26	26.197	0.028	1477.	0.5
20	19.9	7.119	33.470	6.80	0.26	26.197	0.031	1478.	0.5
22	22.0	7.117	33.469	6.80	0.26	26.197	0.035	1478.	0.7
24	24.2	7.124	33.470	6.80	0.26	26.197	0.039	1478.	1.1
26	25.7	7.131	33.472	6.78	0.26	26.197	0.042	1478.	1.7
28	28.1	7.144	33.476	6.78	0.25	26.199	0.046	1478.	3.2
30	29.8	7.136	33.475	6.80	0.26	26.199	0.049	1478.	4.6
32	32.4	7.214	33.498	6.79	0.25	26.207	0.054	1478.	5.7
34	33.8	7.304	33.526	6.78	0.24	26.216	0.056	1479.	6.4
36	36.0	7.741	33.681	6.67	0.23	26.276	0.060	1480.	6.9
38	38.1	8.028	33.798	6.63	0.22	26.326	0.064	1482.	7.0
40	39.8	8.237	33.884	6.54	0.21	26.362	0.067	1483.	6.7
42	42.1	8.386	33.951	6.49	0.20	26.393	0.071	1483.	6.2
44	44.2	8.428	33.973	6.45	0.20	26.403	0.074	1484.	5.6
46	45.9	8.446	33.980	6.42	0.20	26.406	0.077	1484.	5.2
48	48.1	8.470	33.993	6.41	0.20	26.413	0.080	1484.	5.0
50	49.9	8.544	34.024	6.38	0.20	26.425	0.083	1484.	4.9
52	52.1	8.938	34.162	6.32	0.19	26.472	0.087	1486.	4.8
53	53.7	8.990	34.187	6.33	0.18	26.483	0.089	1486.	4.8
56	56.1	9.122	34.226	6.33	0.18	26.493	0.093	1487.	4.6
58	58.1	9.209	34.249	6.32	0.18	26.497	0.096	1487.	4.1
59	59.8	9.272	34.267	6.28	0.18	26.501	0.099	1487.	3.5
62	62.0	9.587	34.357	6.26	0.17	26.519	0.102	1489.	3.7
64	64.1	9.775	34.404	6.26	0.17	26.525	0.105	1489.	4.1
66	65.9	9.837	34.420	6.22	0.17	26.527	0.108	1490.	4.4
68	67.9	9.995	34.467	6.19	0.17	26.537	0.111	1490.	4.4
70	69.9	10.266	34.557	6.12	0.17	26.561	0.114	1491.	4.4
72	72.0	10.771	34.702	6.02	0.16	26.585	0.117	1493.	4.4
74	74.0	10.997	34.769	5.93	0.16	26.597	0.120	1494.	4.2
76	75.9	11.078	34.782	5.86	0.16	26.592	0.123	1495.	3.9
78	78.1	11.492	34.899	5.80	0.16	26.607	0.126	1496.	3.8
79	79.9	11.678	34.955	5.71	0.15	26.616	0.128	1497.	3.7
82	82.0	11.787	34.981	5.68	0.15	26.615	0.131	1497.	3.6
84	84.2	12.020	35.054	5.66	0.15	26.628	0.134	1498.	3.6
85	85.8	12.418	35.191	5.50	0.15	26.657	0.137	1500.	3.3
87	88.0	12.543	35.217	5.48	0.15	26.653	0.140	1500.	3.1
90	90.2	12.438	35.191	5.48	0.15	26.654	0.143	1500.	2.9
92	92.0	12.468	35.203	5.45	0.15	26.657	0.145	1500.	2.4
93	93.9	12.535	35.225	5.47	0.15	26.660	0.148	1500.	1.8
96	96.1	12.602	35.246	5.46	0.15	26.663	0.151	1501.	1.9
97	98.0	12.669	35.267	5.45	0.15	26.667	0.154	1501.	1.8
99	99.9	12.731	35.286	5.40	0.15	26.669	0.156	1501.	1.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	12	02 FEB 1982	1330	40°17.6'N	67°39.3'W	1440

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
102	102.1	12.728	35.285	5.41	0.15	26.669	0.159	1501.	1.4
103	104.0	12.728	35.285	5.38	0.15	26.668	0.162	1501.	1.4
105	105.9	12.704	35.278	5.35	0.15	26.668	0.165	1501.	1.4
107	108.0	12.657	35.268	5.36	0.15	26.670	0.168	1501.	1.7
109	109.9	12.645	35.269	5.37	0.15	26.673	0.170	1501.	2.0
112	112.2	12.654	35.275	5.40	0.15	26.676	0.173	1501.	2.3
113	113.9	12.675	35.283	5.40	0.15	26.678	0.176	1501.	2.5
115	115.9	12.767	35.315	5.35	0.15	26.685	0.179	1502.	2.9
117	118.0	12.819	35.331	5.28	0.14	26.686	0.181	1502.	3.3
119	120.0	12.930	35.372	5.18	0.14	26.696	0.184	1502.	3.7
121	121.8	13.034	35.404	5.04	0.14	26.700	0.187	1503.	4.0
123	124.0	13.226	35.477	4.94	0.14	26.718	0.190	1504.	4.3
125	126.0	13.217	35.497	4.76	0.14	26.735	0.192	1504.	4.5
127	128.0	13.147	35.495	4.57	0.14	26.748	0.195	1503.	4.5
129	130.1	13.098	35.496	4.50	0.14	26.758	0.198	1503.	4.7
131	132.0	13.057	35.504	4.38	0.14	26.772	0.200	1503.	4.7
133	133.9	13.058	35.515	4.33	0.14	26.781	0.203	1503.	4.6
135	136.2	13.070	35.538	4.32	0.14	26.796	0.206	1503.	4.4
137	138.0	13.194	35.602	4.25	0.14	26.821	0.208	1504.	4.2
139	139.8	13.232	35.624	4.22	0.14	26.830	0.210	1504.	4.0
141	142.1	13.220	35.624	4.18	0.14	26.833	0.213	1504.	3.7
143	144.0	13.191	35.622	4.14	0.13	26.837	0.215	1504.	3.5
145	145.9	13.144	35.620	4.12	0.13	26.844	0.218	1504.	3.5
147	148.0	13.112	35.620	4.10	0.13	26.851	0.220	1504.	3.7
149	150.2	13.095	35.619	4.05	0.13	26.854	0.223	1504.	4.0
151	151.9	13.032	35.626	4.02	0.13	26.873	0.225	1504.	4.1
153	154.0	12.986	35.633	4.01	0.13	26.887	0.228	1503.	3.9
155	156.0	12.926	35.632	3.96	0.13	26.898	0.230	1503.	3.7
157	158.1	12.870	35.631	3.91	0.13	26.909	0.232	1503.	3.4
159	159.9	12.859	35.631	3.89	0.13	26.911	0.235	1503.	2.8
161	162.2	12.857	35.631	3.89	0.13	26.912	0.237	1503.	2.3
163	164.0	12.852	35.631	3.91	0.13	26.912	0.239	1503.	2.1
165	166.3	12.833	35.629	3.93	0.13	26.915	0.242	1503.	2.5
167	167.8	12.828	35.629	3.90	0.13	26.915	0.244	1503.	2.9
169	169.9	12.802	35.626	3.85	0.13	26.919	0.246	1503.	3.3
171	172.1	12.682	35.610	3.85	0.13	26.930	0.249	1503.	3.4
173	174.0	12.555	35.599	3.84	0.13	26.947	0.251	1502.	3.4
175	176.1	12.495	35.594	3.84	0.13	26.954	0.253	1502.	3.4
177	178.0	12.479	35.592	3.82	0.13	26.957	0.256	1502.	3.4
179	180.0	12.468	35.591	3.79	0.13	26.958	0.258	1502.	3.3
181	182.0	12.433	35.585	3.76	0.13	26.960	0.260	1502.	3.3
183	184.1	12.316	35.570	3.76	0.13	26.972	0.263	1502.	3.4
185	186.1	12.192	35.555	3.77	0.13	26.984	0.265	1501.	3.6
187	187.9	12.090	35.542	3.79	0.13	26.993	0.267	1501.	3.6
189	190.0	12.024	35.534	3.79	0.13	27.000	0.269	1501.	3.4
191	192.1	11.946	35.518	3.81	0.13	27.003	0.271	1500.	3.1
193	193.9	11.867	35.511	3.84	0.13	27.012	0.273	1500.	2.9
195	196.2	11.849	35.510	3.86	0.13	27.015	0.276	1500.	2.7
197	197.8	11.815	35.505	3.86	0.13	27.017	0.278	1500.	2.7
199	200.3	11.755	35.496	3.87	0.13	27.022	0.280	1500.	2.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	12	02 FEB 1982	1330	40°17.6'N	67°39.3'W	1440

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
201	201.9	11.714	35.491	3.84	0.13	27.026	0.282	1500.	2.6
203	204.3	11.644	35.482	3.85	0.13	27.032	0.285	1500.	2.9
205	205.8	11.609	35.478	3.84	0.13	27.035	0.286	1499.	3.2
207	207.9	11.577	35.474	3.82	0.13	27.038	0.288	1499.	3.5
209	210.0	11.523	35.468	3.81	0.13	27.044	0.291	1499.	3.7
211	212.2	11.346	35.444	3.83	0.13	27.058	0.293	1499.	3.8
213	214.0	11.228	35.430	3.83	0.13	27.069	0.295	1498.	3.8
215	216.1	11.109	35.417	3.85	0.13	27.081	0.297	1498.	3.9
217	218.1	11.012	35.403	3.85	0.13	27.088	0.299	1497.	3.8
219	219.9	10.963	35.398	3.80	0.13	27.093	0.301	1497.	3.7
221	222.0	10.913	35.393	3.78	0.13	27.098	0.303	1497.	3.6
223	224.0	10.765	35.373	3.79	0.13	27.109	0.305	1497.	3.4
225	226.1	10.654	35.359	3.79	0.14	27.118	0.307	1496.	3.3
227	228.0	10.519	35.339	3.80	0.14	27.127	0.309	1496.	3.0
229	230.0	10.469	35.334	3.79	0.14	27.131	0.311	1496.	2.8
231	232.1	10.453	35.332	3.79	0.14	27.133	0.313	1496.	2.4
233	234.0	10.440	35.330	3.82	0.14	27.133	0.315	1496.	2.3
235	236.1	10.399	35.322	3.85	0.14	27.135	0.317	1496.	2.8
236	237.9	10.365	35.317	3.87	0.14	27.137	0.319	1495.	3.3
239	240.0	10.298	35.307	3.88	0.14	27.141	0.321	1495.	3.7
241	242.0	10.103	35.278	3.93	0.14	27.152	0.322	1495.	3.9
242	243.9	9.835	35.253	3.96	0.15	27.178	0.324	1494.	3.9
244	246.0	9.786	35.251	3.97	0.15	27.185	0.326	1493.	3.9
247	248.1	9.727	35.244	4.00	0.15	27.190	0.328	1493.	3.7
248	250.0	9.696	35.242	4.01	0.15	27.193	0.330	1493.	3.3
250	251.9	9.627	35.235	4.02	0.15	27.199	0.332	1493.	2.8
253	254.1	9.558	35.228	4.02	0.15	27.206	0.334	1493.	2.7
254	256.1	9.497	35.220	4.04	0.15	27.209	0.335	1492.	2.7
256	257.8	9.476	35.217	4.03	0.15	27.210	0.337	1492.	2.7
258	260.1	9.435	35.215	4.01	0.15	27.215	0.339	1492.	3.1
260	262.0	9.396	35.214	4.04	0.15	27.221	0.341	1492.	3.8
262	264.1	9.380	35.214	4.05	0.15	27.224	0.343	1492.	4.3
264	265.9	9.303	35.207	4.06	0.15	27.231	0.344	1492.	4.6
266	268.0	9.062	35.191	4.07	0.15	27.258	0.346	1491.	4.7
268	270.1	8.795	35.169	4.10	0.15	27.284	0.348	1490.	4.8
270	271.9	8.682	35.162	4.15	0.15	27.296	0.349	1490.	4.6
272	274.0	8.630	35.159	4.16	0.15	27.302	0.351	1490.	4.4
274	276.0	8.580	35.155	4.18	0.15	27.307	0.353	1489.	4.2
276	278.0	8.443	35.142	4.22	0.15	27.318	0.354	1489.	4.4
278	280.0	8.379	35.135	4.26	0.15	27.322	0.356	1489.	4.6
280	282.0	8.206	35.120	4.30	0.15	27.337	0.357	1488.	4.7
282	284.0	7.901	35.084	4.37	0.15	27.355	0.359	1487.	4.7
284	285.9	7.651	35.076	4.43	0.15	27.386	0.360	1486.	4.6
286	288.0	7.617	35.076	4.39	0.15	27.391	0.362	1486.	4.5
289	290.3	7.560	35.073	4.45	0.15	27.397	0.364	1486.	4.2
290	291.8	7.527	35.072	4.50	0.15	27.401	0.365	1486.	3.9
292	294.0	7.432	35.069	4.48	0.15	27.412	0.366	1485.	3.5
294	296.2	7.276	35.052	4.49	0.15	27.421	0.368	1485.	3.5
296	297.7	7.139	35.034	4.54	0.15	27.427	0.369	1484.	3.3
298	300.0	7.103	35.042	4.51	0.14	27.438	0.370	1484.	3.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	12	02 FEB 1982	1330	40°17.6'N	67°39.3'W	1440

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
300	302.2	7.087	35.042	4.48	0.14	27.440	0.372	1484.	2.6
302	304.0	7.072	35.041	4.50	0.14	27.441	0.373	1484.	2.2
304	305.9	7.057	35.040	4.49	0.14	27.443	0.374	1484.	1.8
306	308.0	7.043	35.040	4.50	0.14	27.444	0.376	1484.	1.5
308	310.2	7.030	35.039	4.50	0.14	27.446	0.377	1484.	1.3
310	311.9	7.024	35.039	4.54	0.14	27.446	0.378	1484.	1.5
312	314.0	7.015	35.038	4.48	0.14	27.447	0.380	1484.	1.9
314	316.1	7.004	35.038	4.50	0.14	27.448	0.381	1484.	2.1
316	318.2	6.980	35.032	4.52	0.14	27.447	0.383	1484.	2.4
318	319.8	6.889	35.027	4.57	0.14	27.456	0.384	1484.	2.7
320	322.0	6.806	35.024	4.54	0.14	27.465	0.385	1483.	2.8
322	324.1	6.742	35.009	4.55	0.14	27.462	0.387	1483.	2.9
324	326.0	6.651	35.008	4.62	0.14	27.473	0.388	1483.	2.8
326	328.1	6.621	35.007	4.60	0.13	27.477	0.389	1483.	2.6
328	330.0	6.580	35.004	4.63	0.13	27.479	0.391	1482.	2.5
330	332.0	6.548	35.001	4.66	0.13	27.482	0.392	1482.	2.5
332	333.9	6.521	35.000	4.69	0.13	27.485	0.393	1482.	2.2
334	336.0	6.490	35.000	4.67	0.13	27.489	0.394	1482.	2.1
336	338.2	6.461	34.999	4.66	0.13	27.492	0.396	1482.	2.0
338	339.7	6.449	34.999	4.71	0.13	27.494	0.397	1482.	1.9
340	342.1	6.442	35.000	4.69	0.13	27.495	0.398	1482.	1.7
342	344.0	6.436	35.000	4.69	0.13	27.496	0.399	1482.	1.5
344	346.3	6.424	35.000	4.70	0.13	27.498	0.401	1482.	1.3
346	347.9	6.418	35.000	4.75	0.13	27.499	0.402	1482.	1.2
348	350.0	6.413	35.000	4.71	0.13	27.499	0.403	1482.	1.0
350	352.0	6.410	35.000	4.72	0.13	27.499	0.404	1482.	0.9
352	354.0	6.407	35.000	4.74	0.13	27.500	0.406	1482.	0.8
354	356.0	6.405	35.000	4.74	0.13	27.500	0.407	1482.	0.9
356	358.0	6.403	35.000	4.73	0.13	27.500	0.408	1482.	1.1
358	360.1	6.399	34.999	4.72	0.13	27.500	0.409	1482.	1.2
360	361.9	6.383	34.998	4.76	0.13	27.501	0.411	1482.	1.4
362	364.0	6.365	34.998	4.74	0.13	27.504	0.412	1482.	1.5
364	365.9	6.355	34.997	4.74	0.13	27.504	0.413	1482.	1.7
366	368.0	6.332	34.995	4.75	0.13	27.506	0.414	1482.	1.8
368	370.1	6.303	34.993	4.78	0.13	27.508	0.416	1482.	1.9
370	372.0	6.283	34.993	4.79	0.13	27.511	0.417	1482.	2.0
372	374.1	6.254	34.991	4.76	0.14	27.513	0.418	1482.	2.0
373	375.8	6.236	34.989	4.81	0.13	27.514	0.419	1482.	2.0
376	378.0	6.199	34.989	4.81	0.14	27.519	0.421	1482.	2.0
378	380.0	6.176	34.989	4.81	0.14	27.521	0.422	1482.	1.9
380	382.0	6.162	34.989	4.86	0.14	27.523	0.423	1482.	1.7
381	383.9	6.154	34.988	4.88	0.14	27.524	0.424	1482.	1.6
384	386.1	6.147	34.989	4.87	0.14	27.525	0.425	1482.	1.4
386	388.1	6.140	34.989	4.88	0.14	27.526	0.427	1482.	1.4
388	390.1	6.136	34.989	4.90	0.14	27.526	0.428	1482.	1.5
389	391.9	6.131	34.988	4.91	0.14	27.527	0.429	1482.	1.5
392	394.1	6.114	34.989	4.87	0.14	27.529	0.430	1482.	1.6
393	395.9	6.094	34.988	4.90	0.14	27.531	0.431	1482.	1.7
395	397.9	6.077	34.988	4.92	0.14	27.533	0.433	1482.	1.9
397	400.0	6.065	34.988	4.92	0.14	27.535	0.434	1482.	2.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	12	02 FEB 1982	1330	40°17.6'N	67°39.3'W	1440

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
399	401.9	6.051	34.988	4.94	0.14	27.536	0.435	1482.	2.0
401	404.0	6.027	34.987	4.95	0.14	27.539	0.436	1481.	1.9
404	406.2	5.986	34.987	4.94	0.14	27.544	0.438	1481.	1.8
405	407.8	5.979	34.987	4.98	0.14	27.545	0.439	1481.	1.8
407	410.0	5.976	34.987	4.98	0.14	27.546	0.440	1481.	1.7
409	412.0	5.973	34.987	4.96	0.14	27.546	0.441	1481.	1.7
411	414.0	5.952	34.986	5.00	0.14	27.548	0.442	1481.	1.6
413	416.1	5.933	34.985	5.02	0.14	27.550	0.443	1481.	1.7
415	417.9	5.915	34.985	5.03	0.14	27.552	0.444	1481.	1.8
417	420.2	5.899	34.985	5.04	0.14	27.554	0.446	1481.	1.8
419	421.9	5.880	34.985	5.05	0.14	27.556	0.447	1481.	1.8
421	424.0	5.864	34.985	5.06	0.14	27.558	0.448	1481.	1.7
423	426.1	5.853	34.985	5.04	0.14	27.560	0.449	1481.	1.7
425	427.8	5.847	34.985	5.09	0.14	27.561	0.450	1481.	1.8
427	430.0	5.839	34.985	5.07	0.14	27.562	0.451	1481.	1.9
429	432.0	5.826	34.985	5.07	0.14	27.563	0.453	1481.	2.1
431	434.2	5.790	34.984	5.09	0.14	27.567	0.454	1481.	2.2
433	436.0	5.756	34.984	5.13	0.14	27.572	0.455	1481.	2.2
435	438.0	5.729	34.985	5.13	0.14	27.575	0.456	1481.	2.2
437	440.0	5.713	34.985	5.15	0.14	27.578	0.457	1481.	2.1
439	442.1	5.692	34.985	5.15	0.14	27.580	0.458	1481.	2.0
441	443.9	5.678	34.986	5.19	0.14	27.582	0.459	1481.	1.8
443	446.0	5.667	34.985	5.19	0.14	27.583	0.460	1481.	1.6
445	448.1	5.659	34.986	5.19	0.14	27.585	0.462	1481.	1.5
447	450.0	5.646	34.985	5.22	0.14	27.586	0.463	1481.	1.4
449	451.9	5.641	34.985	5.21	0.14	27.587	0.464	1481.	1.3
451	454.2	5.632	34.986	5.20	0.14	27.588	0.465	1481.	1.2
453	455.8	5.628	34.985	5.23	0.14	27.588	0.466	1481.	1.1
455	458.0	5.623	34.985	5.22	0.14	27.589	0.467	1481.	1.0
457	459.9	5.613	34.985	5.22	0.14	27.590	0.468	1481.	1.0
459	462.0	5.612	34.985	5.22	0.14	27.590	0.469	1481.	1.0
461	464.0	5.611	34.986	5.21	0.14	27.591	0.470	1481.	1.0
463	466.0	5.609	34.985	5.23	0.14	27.591	0.471	1481.	1.0
465	467.9	5.605	34.985	5.23	0.14	27.591	0.472	1481.	1.0
467	470.1	5.590	34.985	5.21	0.14	27.593	0.474	1481.	1.2
469	471.9	5.586	34.985	5.24	0.14	27.593	0.475	1481.	1.5
471	474.1	5.583	34.985	5.24	0.14	27.593	0.476	1481.	1.8
473	476.0	5.571	34.985	5.24	0.14	27.595	0.477	1481.	1.9
475	478.0	5.541	34.984	5.27	0.14	27.598	0.478	1481.	2.0
477	480.0	5.497	34.983	5.28	0.14	27.602	0.479	1481.	2.0
479	482.0	5.468	34.983	5.30	0.14	27.606	0.480	1481.	2.0
481	484.0	5.454	34.983	5.32	0.14	27.608	0.481	1480.	1.8
483	485.9	5.451	34.983	5.35	0.14	27.608	0.482	1481.	1.5
485	488.2	5.441	34.982	5.34	0.14	27.609	0.483	1481.	1.2
486	489.7	5.441	34.983	5.36	0.14	27.609	0.484	1481.	1.0
489	492.0	5.440	34.983	5.34	0.14	27.609	0.486	1481.	1.0
491	494.1	5.437	34.982	5.34	0.14	27.609	0.487	1481.	1.0
493	496.0	5.430	34.982	5.36	0.14	27.610	0.488	1481.	1.2
495	497.9	5.422	34.981	5.35	0.14	27.610	0.489	1481.	1.3
497	500.1	5.406	34.982	5.33	0.14	27.612	0.490	1481.	1.4

STA 13 DAY: 2 TIME: 1422

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	6.7	43.8	9.0	75.7	12.7	140.3	12.9	188.1	11.3
0.0	6.7	44.7	9.0	76.7	12.7	142.2	13.0	189.1	11.2
1.0	6.7	44.7	9.1	76.7	12.7	143.1	13.0	190.1	11.2
3.9	6.7	45.7	9.1	77.7	12.6	144.1	13.1	191.0	11.1
5.8	6.7	46.7	9.1	79.6	12.6	144.1	13.1	191.0	11.0
8.8	6.7	47.6	9.1	80.6	12.6	145.1	13.1	192.0	10.8
10.7	6.7	48.6	9.2	82.5	12.7	146.0	13.1	192.9	10.7
11.7	6.7	48.6	9.2	83.5	12.7	147.0	13.2	193.9	10.6
13.6	6.7	50.6	9.2	85.4	12.6	147.9	13.2	195.8	10.4
13.6	6.7	51.5	9.2	86.4	12.6	148.9	13.2	195.8	10.4
14.6	6.8	52.5	9.2	87.3	12.6	150.8	13.2	197.7	10.3
15.6	6.8	53.5	9.3	88.3	12.6	152.7	13.3	198.6	10.2
17.5	6.8	55.4	9.3	89.2	12.7	153.7	13.3	200.5	10.1
19.5	6.8	57.3	9.3	90.2	12.7	155.6	13.2	200.5	10.1
20.4	6.8	58.3	9.3	92.1	12.7	156.6	13.2	201.5	10.0
21.4	6.8	58.3	9.3	93.1	12.7	157.5	13.2	203.4	9.9
22.4	6.9	59.3	9.4	95.0	12.7	159.4	13.1	204.4	9.9
24.3	6.9	59.3	9.5	95.0	12.7	160.4	13.1	206.3	9.8
26.3	6.9	59.3	9.7	97.0	12.7	160.4	13.1	206.3	9.8
27.3	6.9	60.2	9.8	97.9	12.8	161.4	13.0	208.2	9.8
28.2	6.9	60.2	9.8	99.9	12.7	162.3	13.0	209.1	9.7
29.2	7.0	61.2	9.8	100.8	12.7	162.3	12.9	211.0	9.7
30.2	7.0	61.2	9.9	101.8	12.7	163.3	12.9	211.0	9.6
31.1	7.1	62.2	10.0	102.8	12.7	163.3	12.8	212.0	9.5
32.1	7.2	62.2	10.1	104.7	12.7	164.2	12.8	212.0	9.4
32.1	7.3	63.1	10.2	106.6	12.7	165.2	12.7	212.0	9.4
33.1	7.4	63.1	10.4	108.5	12.7	167.1	12.7	212.9	9.2
34.1	7.4	64.1	10.5	109.5	12.7	168.1	12.6	213.9	9.2
35.0	7.5	64.1	10.5	111.4	12.7	170.0	12.5	213.9	9.1
35.0	7.5	64.1	10.7	112.4	12.7	170.9	12.5	214.8	9.0
36.0	7.6	65.1	10.8	113.4	12.7	170.9	12.4	215.8	8.9
36.0	7.6	65.1	11.1	114.3	12.8	171.9	12.3	215.8	8.8
37.0	7.7	66.0	11.2	115.3	12.8	172.9	12.2	215.8	8.7
37.9	7.8	66.0	11.4	115.3	12.8	172.9	12.1	216.7	8.5
37.9	7.8	67.0	11.4	116.2	12.8	173.8	12.1	216.7	8.5
38.9	7.9	67.0	11.5	118.2	12.9	173.8	12.0	216.7	8.4
38.9	8.0	68.0	11.6	120.1	12.9	175.7	12.0	218.6	8.4
39.9	8.1	68.0	11.6	121.1	12.9	175.7	11.9	219.6	8.4
39.9	8.2	69.0	11.7	123.0	12.9	176.7	11.8	220.5	8.3
39.9	8.3	69.9	11.7	124.9	12.9	177.6	11.7	221.5	8.3
39.9	8.4	70.9	11.7	125.9	12.9	177.6	11.7	223.4	8.2
39.9	8.4	71.9	11.9	125.9	12.9	179.5	11.6	225.3	8.2
40.9	8.4	71.9	12.0	126.8	12.9	180.5	11.6	226.3	8.2
40.9	8.4	71.9	12.0	128.7	12.9	180.5	11.5	228.2	8.2
40.9	8.5	72.8	12.1	130.7	12.9	181.5	11.5	229.1	8.2
41.8	8.7	72.8	12.3	131.6	12.9	182.4	11.4	231.0	8.2
41.8	8.8	73.8	12.4	133.5	12.9	183.4	11.4	231.0	8.1
42.8	8.9	73.8	12.5	135.5	12.9	185.3	11.4	232.9	8.1
42.8	8.9	74.8	12.6	138.3	12.9	186.2	11.4	233.9	8.0
42.8	9.0	75.7	12.7	139.3	12.9	187.2	11.3	234.8	8.0

STA 13 DAY: 2 TIME: 1422

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
236.7	8.0	301.0	6.9	387.3	5.7	506.0	5.2	660.0	4.7
237.7	8.0	302.0	6.8	390.1	5.7	508.7	5.2	662.7	4.7
238.6	8.0	303.9	6.8	392.0	5.7	510.6	5.2	666.3	4.7
239.6	8.0	305.8	6.8	392.9	5.7	513.3	5.2	670.0	4.7
240.5	7.9	307.6	6.7	393.9	5.7	516.1	5.1	672.7	4.7
240.5	7.8	308.6	6.7	395.7	5.6	518.8	5.1	678.1	4.7
242.4	7.8	310.5	6.7	398.5	5.6	521.6	5.2	683.5	4.7
243.4	7.7	311.4	6.7	400.4	5.6	525.3	5.1	687.1	4.7
244.3	7.7	312.4	6.6	402.3	5.6	528.9	5.2	688.0	4.6
246.2	7.7	314.2	6.6	403.2	5.6	531.7	5.2	691.6	4.6
249.0	7.6	317.1	6.6	405.1	5.6	535.4	5.2	697.0	4.6
250.0	7.6	318.9	6.6	406.9	5.5	538.1	5.2	700.6	4.6
250.9	7.6	320.8	6.6	408.8	5.5	540.9	5.2	704.1	4.6
252.8	7.6	321.8	6.5	411.6	5.5	542.7	5.2	707.7	4.6
253.8	7.6	322.7	6.5	414.4	5.5	544.5	5.1	710.4	4.6
255.7	7.6	323.6	6.5	418.1	5.5	546.4	5.0	714.0	4.6
257.6	7.6	326.5	6.4	421.8	5.5	549.1	5.0	716.7	4.6
257.6	7.5	329.3	6.4	424.6	5.5	552.8	5.0	719.4	4.6
258.5	7.5	331.2	6.4	428.3	5.5	555.5	5.0	722.1	4.6
259.5	7.5	333.0	6.4	431.1	5.5	559.2	5.0	725.7	4.6
261.4	7.5	334.0	6.3	433.9	5.5	562.8	5.0	728.4	4.6
264.2	7.5	334.9	6.2	436.7	5.5	566.5	5.0	730.1	4.5
266.1	7.5	335.9	6.2	439.4	5.5	569.2	5.0	733.7	4.5
268.0	7.5	337.7	6.2	440.4	5.5	573.8	5.0	737.3	4.5
268.9	7.5	339.6	6.2	442.2	5.5	578.3	4.9	739.1	4.5
269.9	7.5	341.5	6.2	445.0	5.4	580.2	4.9	742.7	4.5
270.8	7.4	342.4	6.2	446.9	5.4	581.1	4.9	745.3	4.4
271.8	7.3	344.3	6.2	448.7	5.4	582.9	4.9	745.3	4.4
272.7	7.3	346.2	6.2	449.6	5.4	584.7	4.9		
273.7	7.3	349.0	6.1	453.3	5.3	586.5	4.8		
275.6	7.3	351.8	6.1	456.1	5.3	587.5	4.8		
277.4	7.2	352.7	6.1	458.9	5.4	591.1	4.8		
277.4	7.2	353.7	6.1	461.7	5.4	594.7	4.8		
279.3	7.2	355.6	6.1	463.5	5.3	597.5	4.8		
280.3	7.2	357.4	6.1	466.3	5.3	600.2	4.8		
282.2	7.2	358.4	6.0	469.1	5.3	603.8	4.8		
282.2	7.1	359.3	6.0	471.8	5.3	606.6	4.8		
284.1	7.1	361.2	5.9	473.7	5.3	609.3	4.8		
285.0	7.1	362.1	5.9	476.5	5.3	612.0	4.8		
286.9	7.1	364.0	5.9	479.2	5.3	615.7	4.8		
288.8	7.1	364.9	5.8	482.0	5.3	621.1	4.8		
289.7	7.1	366.8	5.8	484.8	5.3	624.7	4.8		
291.6	7.1	368.7	5.8	488.5	5.3	628.4	4.8		
291.6	7.0	370.5	5.8	491.2	5.3	632.0	4.8		
292.6	7.0	371.5	5.8	494.0	5.3	635.6	4.8		
294.4	7.0	376.1	5.8	496.8	5.2	641.0	4.8		
296.3	7.0	378.0	5.8	499.5	5.3	644.7	4.8		
298.2	6.9	379.9	5.8	501.4	5.2	648.3	4.8		
299.2	6.9	381.7	5.7	502.3	5.2	652.8	4.8		
300.1	6.9	384.5	5.7	504.1	5.2	658.2	4.8		

STA 14 DAY: 2 TIME: 1435

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	7.2	56.4	9.4	92.1	13.4	146.0	13.0	190.1	10.5
1.9	7.2	57.3	9.5	93.1	13.5	147.0	12.9	190.1	10.4
3.9	7.2	57.3	9.6	94.1	13.5	147.9	12.9	191.0	10.4
5.8	7.2	57.3	9.7	96.0	13.5	148.9	12.9	191.0	10.3
7.8	7.2	57.3	9.8	97.0	13.5	148.9	12.8	192.0	10.2
9.7	7.2	58.3	9.9	97.0	13.6	149.9	12.8	192.0	10.2
11.7	7.2	58.3	10.0	97.9	13.6	150.8	12.8	192.9	10.2
13.6	7.2	59.3	10.2	98.9	13.7	153.7	12.7	192.9	10.1
14.6	7.2	59.3	10.3	98.9	13.7	154.7	12.7	193.9	10.1
16.6	7.2	59.3	10.4	99.9	13.8	156.6	12.7	194.8	10.0
17.5	7.2	59.3	10.4	100.8	13.8	157.5	12.7	194.8	10.0
18.5	7.2	60.2	10.5	100.8	13.8	158.5	12.7	195.8	10.0
19.5	7.2	60.2	10.6	101.8	13.7	159.4	12.6	196.7	9.9
21.4	7.2	60.2	10.8	103.7	13.7	160.4	12.6	197.7	9.9
22.4	7.2	60.2	11.0	103.7	13.7	161.4	12.5	199.6	9.8
22.4	7.2	61.2	11.0	104.7	13.7	162.3	12.5	201.5	9.8
24.3	7.3	61.2	11.1	105.6	13.7	163.3	12.4	202.5	9.8
26.3	7.3	61.2	11.3	106.6	13.6	163.3	12.4	203.4	9.7
27.3	7.3	62.2	11.4	107.6	13.6	164.2	12.3	204.4	9.7
29.2	7.3	63.1	11.4	108.5	13.6	164.2	12.2	207.2	9.7
30.2	7.3	63.1	11.5	109.5	13.6	164.2	12.1	208.2	9.6
32.1	7.3	63.1	11.6	110.5	13.5	164.2	12.0	209.1	9.6
33.1	7.3	64.1	11.8	110.5	13.5	165.2	11.9	210.1	9.5
34.1	7.4	64.1	11.8	111.4	13.5	165.2	11.9	210.1	9.5
35.0	7.5	66.0	11.9	112.4	13.5	166.2	11.8	211.0	9.4
36.0	7.5	67.0	12.0	113.4	13.4	166.2	11.7	212.0	9.4
37.0	7.6	68.0	12.0	114.3	13.4	168.1	11.7	212.9	9.4
37.9	7.6	69.0	12.1	115.3	13.4	170.0	11.6	214.8	9.3
39.9	7.6	69.9	12.1	117.2	13.4	170.9	11.6	216.7	9.3
40.9	7.7	70.9	12.2	119.1	13.4	171.9	11.5	217.7	9.3
41.8	7.8	71.9	12.2	121.1	13.4	172.9	11.5	218.6	9.3
42.8	7.9	73.8	12.3	123.0	13.4	174.8	11.5	220.5	9.3
43.8	8.0	73.8	12.3	125.9	13.4	175.7	11.5	222.4	9.3
44.7	8.1	74.8	12.4	126.8	13.4	177.6	11.5	224.4	9.3
44.7	8.1	74.8	12.5	128.7	13.3	177.6	11.4	225.3	9.2
45.7	8.2	75.7	12.6	129.7	13.3	178.6	11.3	227.2	9.2
46.7	8.4	77.7	12.7	131.6	13.3	179.5	11.3	227.2	9.1
46.7	8.5	77.7	12.8	131.6	13.3	180.5	11.2	228.2	9.1
47.6	8.6	78.6	12.8	133.5	13.3	180.5	11.2	230.1	9.1
47.6	8.7	79.6	12.9	134.5	13.3	181.5	11.2	232.0	9.1
48.6	8.8	81.5	12.9	136.4	13.3	182.4	11.1	232.9	9.0
48.6	8.9	81.5	13.0	137.4	13.2	182.4	11.0	234.8	8.9
48.6	9.0	82.5	13.1	138.3	13.2	183.4	10.9	235.8	8.9
49.6	9.1	83.5	13.2	140.3	13.2	184.3	10.8	237.7	8.8
49.6	9.1	84.4	13.2	141.2	13.2	185.3	10.7	239.6	8.8
50.6	9.2	86.4	13.3	143.1	13.2	186.2	10.7	240.5	8.8
52.5	9.2	87.3	13.4	143.1	13.1	187.2	10.6	242.4	8.7
53.5	9.2	88.3	13.4	144.1	13.1	188.1	10.6	243.4	8.7
55.4	9.3	89.2	13.4	145.1	13.1	189.1	10.6	245.2	8.7
56.4	9.3	90.2	13.4	146.0	13.0	189.1	10.5	246.2	8.6

STA 14 DAY: 2 TIME: 1435

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
247.1	8.6	318.9	6.4	410.6	5.7	524.4	4.9
248.1	8.5	319.9	6.3	412.5	5.7	526.2	4.9
249.0	8.5	320.8	6.2	415.3	5.7	528.9	4.9
250.0	8.4	322.7	6.2	417.2	5.7	531.7	4.9
251.9	8.4	324.6	6.2	419.0	5.7	535.4	4.9
253.8	8.3	327.4	6.2	420.9	5.7	538.1	4.9
255.7	8.3	329.3	6.2	422.7	5.7	542.7	4.9
257.6	8.3	331.2	6.2	424.6	5.7	545.4	4.9
259.5	8.3	333.0	6.2	426.5	5.7	549.1	4.9
261.4	8.2	334.9	6.2	428.3	5.6	550.9	4.9
264.2	8.2	336.8	6.2	430.2	5.5	553.7	4.9
266.1	8.2	338.7	6.2	432.0	5.5	557.3	4.9
268.0	8.2	339.6	6.2	433.9	5.5	561.0	4.9
268.9	8.1	341.5	6.1	436.7	5.5	563.7	4.9
269.9	8.1	342.4	6.1	438.5	5.5	567.4	4.9
270.8	8.0	342.4	6.1	441.3	5.5	570.1	4.9
271.8	8.0	344.3	6.1	444.1	5.5	573.8	4.9
272.7	7.9	346.2	6.1	447.8	5.5	578.3	4.9
274.6	7.9	348.1	6.1	449.6	5.5	582.0	4.9
275.6	7.8	349.9	6.1	453.3	5.5	584.7	4.9
276.5	7.7	353.7	6.1	456.1	5.5	587.5	4.9
277.4	7.6	356.5	6.0	458.9	5.5	590.2	4.9
278.4	7.5	359.3	6.0	460.8	5.5	592.0	4.9
280.3	7.5	363.0	6.0	461.7	5.4	594.7	4.9
280.3	7.4	364.9	6.0	463.5	5.4	597.5	4.9
281.2	7.3	365.8	6.0	465.4	5.3	601.1	4.9
282.2	7.3	367.7	6.0	468.2	5.3	604.8	4.9
282.2	7.3	369.6	6.0	470.0	5.3	608.4	4.9
284.1	7.2	371.5	6.0	471.8	5.3	609.3	4.9
285.9	7.2	373.3	6.0	474.6	5.3	611.1	4.9
287.8	7.2	375.2	5.9	477.4	5.2	612.9	4.9
288.8	7.2	377.1	5.9	479.2	5.2	613.8	4.9
289.7	7.2	378.9	5.9	481.1	5.2	614.7	4.8
291.6	7.2	380.8	5.9	482.9	5.2	617.5	4.7
293.5	7.2	382.7	5.8	485.7	5.2		
295.4	7.2	384.5	5.8	487.5	5.2		
297.3	7.2	386.4	5.8	490.3	5.2		
298.2	7.1	387.3	5.8	493.1	5.2		
301.0	7.1	389.2	5.8	495.8	5.2		
302.9	7.0	391.1	5.8	497.7	5.1		
304.8	6.9	392.9	5.8	500.4	5.1		
305.8	6.9	394.8	5.8	503.2	5.1		
307.6	6.8	396.7	5.8	506.0	5.1		
309.5	6.7	398.5	5.8	508.7	5.0		
310.5	6.7	399.5	5.8	509.6	5.0		
312.4	6.6	401.3	5.7	512.4	5.0		
313.3	6.5	403.2	5.7	513.3	5.0		
314.2	6.5	404.1	5.7	515.2	4.9		
315.2	6.4	406.9	5.7	517.9	4.9		
317.1	6.4	408.8	5.7	520.7	4.9		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	15	02 FEB 1982	1919	40°27.5'N	67°37.0'W	145

DEPTH m	PRESS dbsr	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
1	0.9	7.538	33.604	6.86	0.27	26.245	0.000	1479.	0.4
2	2.1	7.511	33.592	6.85	0.26	26.239	0.002	1479.	0.4
4	3.8	7.508	33.592	6.89	0.25	26.240	0.005	1479.	0.4
6	6.1	7.515	33.595	6.90	0.25	26.241	0.009	1479.	0.4
8	8.0	7.520	33.595	6.89	0.25	26.240	0.013	1479.	0.4
10	10.0	7.522	33.595	6.89	0.25	26.239	0.016	1479.	1.0
12	11.9	7.523	33.598	6.86	0.25	26.242	0.019	1479.	0.9
14	14.0	7.553	33.603	6.86	0.25	26.242	0.023	1479.	0.9
16	16.2	7.545	33.603	6.88	0.25	26.242	0.027	1479.	1.4
18	17.9	7.560	33.610	6.87	0.25	26.246	0.030	1479.	2.2
20	20.0	7.547	33.602	6.88	0.25	26.242	0.034	1479.	2.6
22	22.0	7.550	33.604	6.88	0.25	26.243	0.037	1479.	2.9
24	23.9	7.643	33.637	6.85	0.25	26.255	0.041	1480.	3.0
26	26.1	7.824	33.694	6.81	0.24	26.274	0.044	1481.	3.0
28	28.0	7.894	33.708	6.79	0.23	26.275	0.048	1481.	2.9
30	29.8	7.920	33.716	6.76	0.23	26.277	0.051	1481.	2.6
32	32.0	7.945	33.720	6.74	0.23	26.277	0.055	1481.	2.1
34	34.0	7.979	33.732	6.74	0.23	26.282	0.058	1481.	1.6
36	36.0	7.989	33.733	6.73	0.23	26.281	0.062	1481.	1.6
38	38.0	8.019	33.743	6.73	0.23	26.284	0.065	1482.	-0.7
40	39.9	8.034	33.748	6.73	0.23	26.286	0.068	1482.	0.6
42	42.0	8.042	33.750	6.71	0.23	26.286	0.072	1482.	1.4
44	44.1	8.051	33.752	6.71	0.23	26.287	0.076	1482.	2.1
46	46.1	8.063	33.723	6.70	0.23	26.262	0.079	1482.	2.8
48	48.1	8.093	33.767	6.70	0.23	26.292	0.083	1482.	3.2
50	50.0	8.135	33.789	6.70	0.22	26.303	0.086	1482.	3.6
52	51.9	8.217	33.817	6.67	0.22	26.313	0.089	1483.	4.0
54	53.8	8.354	33.866	6.65	0.21	26.331	0.092	1483.	3.7
56	56.1	8.428	33.876	6.67	0.21	26.327	0.096	1484.	5.3
58	58.0	8.486	33.906	6.67	0.21	26.342	0.099	1484.	6.7
60	60.1	8.672	33.964	6.64	0.20	26.359	0.103	1485.	7.9
61	61.6	8.917	33.965	6.58	0.20	26.321	0.106	1486.	8.5
64	64.0	10.180	34.487	6.34	0.18	26.521	0.109	1491.	8.7
66	66.1	11.597	34.872	6.03	0.17	26.566	0.113	1496.	8.3
68	68.0	12.466	35.185	5.86	0.15	26.643	0.115	1500.	7.7
70	70.0	12.683	35.226	5.67	0.15	26.632	0.118	1501.	6.5
72	72.1	13.006	35.310	5.54	0.15	26.633	0.121	1502.	3.8
74	74.2	13.046	35.316	5.48	0.15	26.629	0.124	1502.	2.3
76	75.9	13.054	35.319	5.43	0.15	26.630	0.127	1502.	-0.6
77	77.9	13.067	35.314	5.56	0.15	26.623	0.129	1502.	2.4
80	80.1	13.072	35.323	5.44	0.15	26.630	0.133	1502.	3.4
81	81.9	13.094	35.334	5.40	0.15	26.633	0.135	1502.	4.2
84	84.1	13.268	35.392	5.33	0.15	26.643	0.138	1503.	4.7
85	85.9	13.558	35.513	5.25	0.14	26.677	0.141	1504.	5.0
88	88.1	13.924	35.641	5.12	0.14	26.700	0.144	1505.	5.0
89	90.0	13.898	35.652	5.03	0.14	26.713	0.146	1505.	4.8
91	91.9	13.874	35.659	4.90	0.14	26.724	0.149	1505.	4.3
94	94.1	13.862	35.670	4.85	0.14	26.735	0.152	1505.	3.6
96	96.2	13.842	35.672	4.82	0.14	26.741	0.154	1505.	3.0
97	97.9	13.839	35.675	4.79	0.14	26.744	0.157	1505.	2.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	15	02 FEB 1982	1919	40°27.5'N	67°37.0'W	145

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
100	100.2	13.844	35.679	4.80	0.14	26.745	0.160	1505.	2.2
101	101.9	13.844	35.679	4.79	0.14	26.746	0.162	1505.	2.1
104	104.2	13.848	35.683	4.78	0.14	26.748	0.165	1505.	2.3
105	106.0	13.841	35.685	4.75	0.14	26.751	0.167	1506.	2.4
107	107.9	13.779	35.669	4.74	0.14	26.752	0.170	1505.	2.8
109	109.9	13.704	35.662	4.70	0.14	26.762	0.172	1505.	3.2
112	112.2	13.587	35.639	4.68	0.14	26.769	0.176	1505.	3.8
114	114.3	13.482	35.611	4.64	0.14	26.768	0.178	1504.	4.4
115	116.0	13.130	35.543	4.62	0.15	26.788	0.180	1503.	4.8
117	118.1	12.876	35.485	4.59	0.15	26.795	0.183	1502.	5.0
119	119.9	12.531	35.438	4.55	0.15	26.827	0.185	1501.	4.7
121	122.0	12.300	35.410	4.55	0.16	26.850	0.188	1500.	4.7
123	124.0	12.222	35.410	4.55	0.16	26.865	0.190	1500.	4.5
125	125.9	12.148	35.393	4.58	0.16	26.867	0.193	1500.	4.3
127	128.1	11.894	35.304	4.61	0.16	26.846	0.195	1499.	3.8
129	130.0	11.640	35.286	4.60	0.17	26.880	0.198	1498.	3.6
130	131.2	11.604	35.294	4.56	0.17	26.893	0.199	1498.	3.8
131	132.0	11.574	35.279	4.56	0.17	26.887	0.200	1498.	4.2
132	133.0	11.426	35.253	4.58	0.17	26.895	0.201	1497.	4.5
133	134.1	11.346	35.239	4.57	0.17	26.898	0.202	1497.	3.6
134	134.9	11.320	35.243	4.56	0.17	26.907	0.203	1497.	3.6
135	136.1	11.305	35.243	4.56	0.17	26.909	0.205	1497.	3.6
136	137.0	11.298	35.241	4.55	0.17	26.910	0.206	1497.	3.6
137	137.7	11.294	35.244	4.55	0.17	26.912	0.207	1497.	3.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	16	02 FEB 1982	1954	40°26.6'N	67°38.3'W	160

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.7	7.485	33.596	6.48	0.24	26.246	0.000	1479.	-0.3
4	3.9	7.484	33.596	6.47	0.24	26.246	0.002	1479.	-0.3
6	6.1	7.482	33.596	6.48	0.24	26.246	0.006	1479.	-0.3
8	8.0	7.484	33.595	6.46	0.24	26.245	0.009	1479.	-0.3
10	10.2	7.484	33.595	6.48	0.24	26.245	0.013	1479.	-0.3
12	11.8	7.483	33.596	6.48	0.24	26.246	0.016	1479.	-0.3
14	14.1	7.482	33.595	6.48	0.24	26.245	0.020	1479.	0.2
16	15.9	7.481	33.595	6.48	0.24	26.245	0.023	1479.	0.5
18	18.0	7.486	33.595	6.48	0.24	26.245	0.027	1479.	0.7
20	19.9	7.490	33.597	6.47	0.24	26.246	0.030	1479.	1.1
22	22.2	7.501	33.599	6.47	0.24	26.246	0.034	1479.	1.5
24	24.0	7.518	33.603	6.46	0.24	26.247	0.037	1479.	2.2
26	26.0	7.528	33.607	6.44	0.24	26.248	0.041	1479.	3.2
28	28.0	7.597	33.627	6.41	0.23	26.254	0.045	1480.	3.9
30	30.2	7.658	33.643	6.41	0.23	26.258	0.048	1480.	4.4
32	32.0	7.841	33.700	6.34	0.21	26.277	0.052	1481.	4.6
34	34.1	8.141	33.802	6.30	0.21	26.312	0.055	1482.	4.9
36	36.0	8.400	33.872	6.24	0.20	26.328	0.058	1483.	5.4
38	37.9	8.435	33.881	6.22	0.20	26.330	0.062	1483.	5.8
40	40.1	8.483	33.903	6.19	0.19	26.340	0.065	1484.	5.8
42	42.0	8.725	33.983	6.14	0.19	26.365	0.068	1485.	5.8
44	43.9	9.076	34.111	6.08	0.18	26.410	0.072	1486.	6.1
46	46.0	9.599	34.263	5.98	0.17	26.444	0.075	1488.	6.3
48	48.0	9.638	34.275	5.96	0.17	26.447	0.078	1488.	6.3
50	49.9	9.677	34.315	5.93	0.17	26.472	0.081	1489.	6.0
52	52.0	10.210	34.476	5.84	0.16	26.508	0.084	1491.	5.6
54	54.0	10.460	34.545	5.79	0.16	26.518	0.087	1492.	5.3
56	56.0	10.938	34.690	5.73	0.15	26.546	0.090	1494.	4.9
58	58.0	11.434	34.828	5.65	0.15	26.562	0.093	1496.	4.3
60	60.0	11.598	34.868	5.62	0.15	26.563	0.096	1496.	4.0
62	61.9	11.737	34.909	5.58	0.15	26.569	0.099	1497.	3.9
64	64.1	11.801	34.927	5.56	0.15	26.571	0.102	1497.	3.7
65	65.9	11.870	34.951	5.55	0.15	26.576	0.105	1497.	3.6
68	68.0	12.033	35.023	5.49	0.15	26.601	0.108	1498.	3.5
70	70.1	12.284	35.101	5.46	0.14	26.613	0.111	1499.	3.4
72	72.0	12.744	35.223	5.39	0.14	26.618	0.114	1501.	3.1
73	73.9	12.764	35.225	5.38	0.14	26.615	0.117	1501.	2.8
75	75.9	12.771	35.227	5.33	0.14	26.615	0.119	1501.	2.4
78	78.1	12.838	35.255	5.30	0.14	26.623	0.123	1501.	2.3
79	79.9	13.008	35.298	5.22	0.14	26.623	0.125	1502.	2.4
81	81.9	13.104	35.335	5.14	0.14	26.632	0.128	1502.	2.5
84	84.0	13.286	35.389	5.08	0.13	26.637	0.131	1503.	2.5
86	86.0	13.362	35.415	5.03	0.13	26.642	0.134	1503.	2.4
88	88.2	13.438	35.437	4.99	0.13	26.643	0.137	1504.	2.3
89	89.9	13.465	35.445	4.95	0.13	26.643	0.139	1504.	2.2
92	92.1	13.524	35.468	4.92	0.13	26.649	0.142	1504.	2.2
93	93.9	13.624	35.498	4.89	0.13	26.651	0.145	1504.	2.5
96	96.1	13.665	35.512	4.88	0.13	26.654	0.148	1505.	2.9
97	97.9	13.711	35.530	4.90	0.13	26.659	0.151	1505.	3.2
100	100.2	13.811	35.566	4.93	0.13	26.665	0.154	1505.	3.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	16	02 FEB 1982	1954	40°26.6'N	67°38.3'W	160

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
101	101.9	13.906	35.607	4.96	0.13	26.677	0.156	1506.	3.4
104	104.2	13.980	35.640	4.95	0.13	26.687	0.159	1506.	3.7
105	105.9	14.008	35.659	4.95	0.13	26.695	0.162	1506.	3.9
107	108.0	14.014	35.664	4.91	0.13	26.698	0.164	1506.	4.0
109	110.0	14.015	35.675	4.87	0.13	26.706	0.167	1506.	3.8
111	112.0	14.007	35.699	4.80	0.14	26.727	0.170	1506.	3.8
113	114.1	13.975	35.706	4.75	0.13	26.739	0.173	1506.	3.7
115	116.0	13.956	35.707	4.71	0.13	26.744	0.175	1506.	3.5
117	118.2	13.944	35.707	4.64	0.13	26.746	0.178	1506.	3.3
119	119.9	13.907	35.704	4.59	0.13	26.752	0.180	1506.	2.9
121	122.1	13.873	35.703	4.55	0.13	26.758	0.183	1506.	2.7
123	124.1	13.843	35.701	4.53	0.13	26.763	0.186	1506.	2.6
125	125.7	13.822	35.699	4.52	0.13	26.766	0.188	1506.	2.3
127	128.0	13.790	35.695	4.49	0.13	26.770	0.191	1506.	2.5
129	130.2	13.780	35.697	4.47	0.13	26.773	0.194	1506.	3.1
131	131.9	13.779	35.697	4.41	0.13	26.774	0.196	1506.	3.6
133	133.9	13.769	35.687	4.32	0.13	26.768	0.199	1506.	4.2
135	136.1	13.531	35.659	4.32	0.13	26.796	0.201	1505.	4.7
137	138.2	13.334	35.641	4.31	0.13	26.822	0.204	1504.	5.2
139	139.8	13.229	35.624	4.33	0.13	26.831	0.206	1504.	5.5
140	141.3	13.117	35.621	4.34	0.13	26.851	0.208	1504.	5.8
141	142.0	13.070	35.618	4.33	0.14	26.859	0.209	1503.	5.4
142	143.0	12.780	35.557	4.36	0.14	26.869	0.210	1502.	5.2
143	144.1	12.587	35.512	4.38	0.14	26.873	0.211	1502.	5.3
144	145.0	12.251	35.437	4.41	0.14	26.880	0.212	1501.	5.4
145	146.0	12.029	35.378	4.40	0.15	26.878	0.214	1500.	6.0
146	147.0	11.807	35.345	4.41	0.15	26.894	0.215	1499.	6.4
147	148.0	11.602	35.317	4.40	0.16	26.912	0.216	1498.	6.4
148	149.0	11.497	35.309	4.39	0.16	26.925	0.217	1498.	6.3
149	150.0	11.242	35.285	4.39	0.16	26.954	0.218	1497.	5.8
150	151.0	11.126	35.268	4.31	0.16	26.962	0.219	1497.	5.5
151	151.9	11.235	35.281	4.30	0.16	26.952	0.220	1497.	5.0
152	153.0	11.140	35.271	4.40	0.16	26.962	0.222	1497.	5.0
153	153.8	11.178	35.269	4.35	0.16	26.953	0.223	1497.	5.0
154	155.1	10.964	35.256	4.37	0.17	26.982	0.224	1496.	5.0
155	155.5	10.964	35.254	4.40	0.17	26.980	0.225	1496.	5.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	17	02 FEB 1982	2012	40°26.9'N	67°38.9'W	295

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.6	7.453	33.594	6.70	0.24	26.249	0.000	1479.	2.0
4	3.9	7.444	33.593	6.73	0.24	26.249	0.002	1479.	2.0
6	5.7	7.447	33.594	6.70	0.24	26.250	0.006	1479.	2.0
8	8.0	7.470	33.602	6.66	0.24	26.252	0.010	1479.	2.0
10	10.3	7.455	33.597	6.70	0.24	26.251	0.014	1479.	2.0
12	12.1	7.494	33.608	6.72	0.24	26.254	0.017	1479.	2.4
14	14.0	7.510	33.611	6.72	0.24	26.254	0.020	1479.	2.7
16	16.0	7.590	33.639	6.70	0.24	26.265	0.024	1479.	3.1
18	17.9	7.726	33.672	6.65	0.23	26.271	0.027	1480.	3.2
20	20.0	7.823	33.705	6.64	0.22	26.283	0.031	1481.	3.2
22	22.0	7.896	33.722	6.60	0.22	26.286	0.034	1481.	3.1
24	23.9	7.979	33.750	6.59	0.21	26.295	0.037	1481.	2.9
26	25.8	7.986	33.751	6.58	0.21	26.295	0.041	1481.	2.9
28	28.2	8.018	33.763	6.58	0.21	26.300	0.045	1481.	3.0
30	30.0	8.044	33.773	6.58	0.21	26.304	0.048	1482.	3.1
32	32.0	8.099	33.790	6.58	0.21	26.309	0.051	1482.	3.3
34	33.9	8.164	33.818	6.58	0.21	26.322	0.054	1482.	3.9
36	35.9	8.254	33.848	6.55	0.20	26.332	0.058	1483.	4.3
38	37.9	8.302	33.863	6.55	0.20	26.336	0.061	1483.	5.1
40	40.2	8.378	33.895	6.53	0.20	26.350	0.065	1483.	5.4
42	41.8	8.532	33.966	6.50	0.19	26.381	0.068	1484.	5.5
44	44.1	8.680	34.008	6.47	0.19	26.392	0.072	1485.	5.6
46	45.9	9.025	34.160	6.41	0.18	26.457	0.074	1486.	5.5
48	48.0	9.243	34.188	6.34	0.18	26.444	0.078	1487.	5.3
50	50.0	9.447	34.251	6.33	0.17	26.460	0.081	1488.	4.8
52	52.0	9.696	34.324	6.27	0.17	26.475	0.084	1489.	4.4
54	53.9	9.794	34.360	6.27	0.17	26.487	0.087	1489.	4.5
56	56.1	9.904	34.398	6.26	0.17	26.498	0.090	1490.	4.9
58	58.0	9.988	34.421	6.24	0.16	26.503	0.093	1490.	5.0
60	60.0	10.186	34.472	6.21	0.16	26.508	0.096	1491.	5.1
62	62.0	10.601	34.650	6.15	0.16	26.575	0.099	1493.	5.1
64	64.0	11.136	34.760	6.03	0.15	26.564	0.102	1495.	4.9
66	66.1	11.681	34.925	5.93	0.15	26.592	0.105	1497.	4.6
68	68.0	11.949	34.995	5.81	0.15	26.595	0.108	1498.	4.2
70	70.1	12.286	35.093	5.71	0.14	26.607	0.111	1499.	3.4
72	72.0	12.421	35.126	5.63	0.14	26.606	0.114	1500.	3.5
73	73.9	12.557	35.167	5.56	0.14	26.611	0.116	1500.	3.3
75	75.9	12.866	35.265	5.48	0.14	26.626	0.119	1501.	3.5
78	78.1	13.058	35.322	5.41	0.14	26.632	0.122	1502.	3.6
80	80.0	13.172	35.361	5.33	0.13	26.638	0.125	1503.	3.6
82	82.0	13.327	35.416	5.28	0.13	26.650	0.128	1503.	3.4
84	84.0	13.523	35.483	5.24	0.13	26.661	0.131	1504.	3.0
85	85.9	13.635	35.520	5.22	0.13	26.667	0.133	1504.	2.9
88	88.2	13.621	35.517	5.20	0.13	26.667	0.137	1504.	2.8
89	89.8	13.617	35.517	5.13	0.13	26.668	0.139	1504.	2.7
92	92.1	13.618	35.519	5.12	0.13	26.669	0.142	1504.	2.6
94	94.2	13.690	35.550	5.08	0.13	26.678	0.145	1505.	2.7
95	95.9	13.777	35.587	5.00	0.13	26.689	0.147	1505.	2.9
97	97.9	13.830	35.606	4.96	0.13	26.692	0.150	1505.	3.1
99	99.9	13.868	35.620	4.92	0.13	26.695	0.153	1505.	3.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	17	02 FEB 1982	2012	40°26.9'N	67°38.9'W	295

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
102	102.2	13.946	35.647	4.89	0.13	26.700	0.156	1506.	3.0
104	104.1	14.002	35.676	4.88	0.13	26.711	0.158	1506.	2.9
105	105.9	14.017	35.689	4.85	0.13	26.717	0.161	1506.	2.9
107	108.0	14.023	35.695	4.85	0.13	26.720	0.164	1506.	2.9
109	110.0	14.020	35.701	4.87	0.13	26.725	0.166	1506.	2.9
111	111.9	14.012	35.702	4.85	0.13	26.728	0.169	1506.	3.0
113	113.7	13.973	35.697	4.82	0.13	26.733	0.171	1506.	3.2
115	116.1	13.954	35.698	4.76	0.13	26.737	0.174	1506.	3.4
117	118.0	13.850	35.684	4.72	0.13	26.748	0.177	1506.	3.5
119	119.9	13.706	35.659	4.65	0.13	26.759	0.180	1505.	3.8
121	122.2	13.621	35.648	4.54	0.13	26.768	0.183	1505.	3.9
123	124.0	13.611	35.653	4.48	0.13	26.774	0.185	1505.	3.9
125	126.0	13.582	35.655	4.45	0.13	26.782	0.187	1505.	3.7
127	128.0	13.451	35.644	4.42	0.13	26.800	0.190	1505.	3.5
129	129.9	13.433	35.644	4.35	0.13	26.805	0.192	1505.	3.4
131	132.2	13.398	35.644	4.31	0.13	26.811	0.195	1504.	3.3
133	133.8	13.394	35.644	4.28	0.13	26.812	0.197	1504.	3.1
135	135.9	13.381	35.646	4.26	0.13	26.817	0.200	1504.	2.9
137	138.0	13.353	35.649	4.26	0.13	26.824	0.203	1504.	3.0
139	140.1	13.283	35.639	4.23	0.13	26.831	0.205	1504.	3.2
141	142.0	13.226	35.632	4.17	0.13	26.837	0.208	1504.	3.4
143	143.9	13.162	35.622	4.17	0.13	26.842	0.210	1504.	3.6
145	146.2	12.959	35.574	4.18	0.13	26.847	0.213	1503.	3.6
147	148.0	12.697	35.528	4.20	0.14	26.863	0.215	1502.	3.8
149	150.1	12.468	35.480	4.25	0.14	26.872	0.218	1501.	3.9
151	151.8	12.322	35.456	4.29	0.15	26.881	0.220	1501.	4.0
153	154.2	12.084	35.399	4.33	0.15	26.883	0.223	1500.	3.9
155	156.1	12.150	35.437	4.30	0.15	26.900	0.225	1500.	3.7
157	157.9	12.267	35.479	4.25	0.14	26.911	0.227	1501.	3.5
159	160.0	12.331	35.506	4.19	0.14	26.919	0.229	1501.	3.3
161	161.8	12.291	35.502	4.13	0.14	26.923	0.231	1501.	3.0
163	164.1	12.187	35.482	4.10	0.14	26.928	0.234	1501.	2.5
165	165.9	12.148	35.473	4.10	0.14	26.929	0.236	1501.	2.0
167	168.0	12.081	35.460	4.11	0.14	26.931	0.239	1500.	1.8
169	170.1	11.902	35.419	4.15	0.14	26.934	0.241	1500.	1.7
171	172.2	11.863	35.406	4.16	0.15	26.931	0.243	1500.	1.7
173	173.9	11.900	35.414	4.14	0.15	26.930	0.245	1500.	1.4
175	176.1	11.802	35.401	4.17	0.15	26.939	0.248	1500.	2.5
177	178.1	11.804	35.401	4.17	0.15	26.938	0.250	1500.	3.3
179	179.9	11.761	35.393	4.17	0.15	26.941	0.252	1499.	3.9
181	182.0	11.353	35.284	4.22	0.15	26.932	0.255	1498.	4.1
183	183.9	11.175	35.304	4.24	0.15	26.981	0.257	1497.	4.2
185	186.1	11.127	35.309	4.23	0.15	26.993	0.259	1497.	4.2
187	188.0	11.047	35.295	4.21	0.15	26.998	0.261	1497.	3.9
189	190.2	10.986	35.287	4.22	0.15	27.002	0.264	1497.	3.4
191	191.9	10.953	35.286	4.20	0.15	27.007	0.266	1497.	2.4
193	194.0	10.941	35.284	4.20	0.15	27.008	0.268	1497.	2.0
195	195.8	10.937	35.282	4.21	0.15	27.007	0.270	1497.	1.7
197	198.3	10.873	35.273	4.20	0.16	27.012	0.273	1497.	1.4
199	200.0	10.875	35.273	4.20	0.16	27.011	0.274	1497.	1.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	17	02 FEB 1982	2012	40°26.9'N	67°38.9'W	295

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
201	202.2	10.870	35.273	4.19	0.16	27.012	0.277	1497.	1.1
203	203.9	10.874	35.274	4.19	0.16	27.012	0.279	1497.	1.0
205	206.1	10.858	35.271	4.22	0.16	27.013	0.281	1497.	0.6
207	208.0	10.860	35.271	4.22	0.16	27.013	0.283	1497.	0.7
209	209.8	10.847	35.268	4.22	0.16	27.013	0.285	1497.	0.6
211	212.1	10.848	35.269	4.22	0.16	27.013	0.288	1497.	0.8
213	213.8	10.848	35.269	4.20	0.16	27.013	0.289	1497.	0.9
215	216.1	10.847	35.269	4.20	0.16	27.013	0.292	1497.	1.1
216	217.7	10.846	35.269	4.20	0.16	27.013	0.294	1497.	1.4
219	220.2	10.812	35.264	4.20	0.16	27.016	0.296	1497.	1.6
221	221.9	10.803	35.264	4.20	0.16	27.017	0.298	1497.	2.1
223	224.1	10.796	35.264	4.20	0.16	27.019	0.301	1497.	3.9
225	226.0	10.767	35.264	4.17	0.16	27.024	0.303	1497.	5.4
226	227.8	10.742	35.260	4.16	0.16	27.026	0.305	1497.	6.3
229	230.2	10.583	35.241	4.17	0.16	27.039	0.307	1496.	6.9
230	231.9	9.940	35.213	4.23	0.16	27.129	0.309	1494.	7.2
233	234.1	9.507	35.186	4.28	0.16	27.182	0.311	1492.	7.0
234	235.8	9.334	35.158	4.28	0.16	27.188	0.313	1491.	6.5
237	238.1	9.118	35.158	4.32	0.17	27.223	0.315	1491.	5.6
239	240.1	9.119	35.161	4.37	0.17	27.225	0.316	1491.	4.0
240	241.9	9.142	35.161	4.38	0.17	27.221	0.318	1491.	2.9
243	244.1	9.125	35.162	4.39	0.17	27.226	0.320	1491.	2.2
244	246.0	9.153	35.166	4.39	0.17	27.224	0.322	1491.	1.1
246	247.9	9.149	35.165	4.37	0.17	27.223	0.323	1491.	1.3
249	250.1	9.076	35.157	4.39	0.17	27.229	0.325	1491.	1.5
250	251.8	9.109	35.160	4.38	0.17	27.227	0.327	1491.	2.0
253	254.1	9.086	35.159	4.38	0.17	27.229	0.329	1491.	2.8
255	256.1	9.063	35.158	4.39	0.17	27.232	0.331	1491.	3.2
256	258.0	9.006	35.148	4.39	0.17	27.233	0.332	1491.	3.5
258	259.8	8.814	35.129	4.41	0.17	27.249	0.334	1490.	3.7
261	262.2	8.674	35.126	4.44	0.17	27.269	0.336	1489.	3.7
262	263.8	8.647	35.125	4.45	0.17	27.273	0.337	1489.	3.6
264	266.1	8.574	35.117	4.45	0.17	27.278	0.339	1489.	3.5
266	267.8	8.548	35.119	4.48	0.17	27.283	0.341	1489.	3.1
268	270.0	8.512	35.116	4.48	0.18	27.287	0.342	1489.	3.0
270	271.9	8.445	35.105	4.50	0.17	27.288	0.344	1489.	3.1
272	274.2	8.358	35.103	4.50	0.17	27.300	0.346	1488.	3.1
274	275.9	8.279	35.091	4.52	0.17	27.303	0.347	1488.	3.0
276	278.1	8.230	35.097	4.52	0.18	27.315	0.349	1488.	3.0
278	279.9	8.224	35.098	4.53	0.17	27.317	0.350	1488.	3.4
280	281.3	8.221	35.099	4.53	0.18	27.319	0.351	1488.	3.6
280	282.1	8.213	35.091	4.53	0.17	27.313	0.352	1488.	3.9
281	282.9	8.095	35.074	4.55	0.17	27.318	0.353	1488.	3.8
282	284.0	7.965	35.092	4.56	0.18	27.352	0.354	1487.	3.9
283	285.1	8.005	35.094	4.54	0.18	27.347	0.355	1487.	3.7
284	285.9	7.994	35.093	4.55	0.17	27.348	0.355	1487.	3.3
285	287.0	8.014	35.084	4.54	0.18	27.338	0.356	1487.	2.2
286	288.1	8.032	35.097	4.52	0.18	27.345	0.357	1487.	-0.7
287	288.9	8.025	35.095	4.54	0.17	27.345	0.357	1487.	1.3
288	290.0	8.024	35.099	4.52	0.18	27.348	0.358	1487.	1.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	17	02 FEB 1982	2012	40°26.9'N	67°38.9'W	295

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
289	291.0	8.021	35.095	4.53	0.18	27.346	0.359	1487.	2.3
290	292.0	8.006	35.096	4.53	0.18	27.349	0.360	1487.	2.3
291	292.9	7.994	35.096	4.53	0.18	27.350	0.361	1487.	2.3
292	294.0	7.966	35.093	4.53	0.18	27.352	0.361	1487.	2.3
293	295.0	7.960	35.094	4.53	0.17	27.354	0.362	1487.	2.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	18	02 FEB 1982	2040	40°26.7'N	67°39.7'W	375

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.9	7.478	33.612	6.45	0.23	26.259	0.000	1479.	-0.3
4	4.2	7.478	33.612	6.46	0.23	26.259	0.002	1479.	-0.3
6	5.7	7.478	33.612	6.45	0.23	26.259	0.005	1479.	-0.3
8	8.1	7.476	33.612	6.46	0.23	26.260	0.009	1479.	-0.3
10	10.0	7.474	33.611	6.46	0.23	26.259	0.012	1479.	-0.3
12	12.0	7.471	33.610	6.47	0.23	26.259	0.016	1479.	-0.3
14	14.1	7.471	33.610	6.48	0.23	26.259	0.020	1479.	-0.1
16	16.0	7.473	33.610	6.45	0.23	26.259	0.023	1479.	-0.1
18	18.2	7.479	33.612	6.50	0.23	26.259	0.027	1479.	0.2
20	19.7	7.480	33.612	6.49	0.23	26.259	0.030	1479.	0.3
22	22.0	7.482	33.612	6.48	0.23	26.259	0.033	1479.	0.4
24	24.2	7.488	33.613	6.52	0.23	26.259	0.037	1479.	0.7
26	25.9	7.488	33.613	6.52	0.23	26.259	0.040	1479.	2.4
28	28.0	7.504	33.617	6.50	0.23	26.260	0.044	1479.	4.3
30	30.1	7.511	33.618	6.47	0.23	26.259	0.048	1479.	5.8
32	32.0	7.538	33.627	6.37	0.23	26.263	0.051	1480.	6.9
34	33.9	7.711	33.719	6.25	0.21	26.310	0.054	1480.	7.4
36	36.2	8.766	34.029	6.01	0.18	26.395	0.058	1485.	7.6
38	37.8	9.456	34.243	5.85	0.16	26.452	0.061	1488.	7.5
40	40.0	10.184	34.444	5.71	0.15	26.487	0.064	1490.	7.1
42	42.1	10.246	34.458	5.72	0.15	26.487	0.067	1491.	6.1
43	43.7	10.295	34.480	5.77	0.15	26.496	0.070	1491.	4.9
46	46.0	10.464	34.545	5.78	0.15	26.517	0.074	1492.	4.2
48	47.9	10.609	34.588	5.79	0.15	26.525	0.076	1492.	3.7
50	50.0	10.731	34.625	5.79	0.15	26.532	0.080	1493.	3.6
52	52.1	10.781	34.645	5.79	0.15	26.539	0.083	1493.	3.4
53	53.7	11.084	34.727	5.77	0.15	26.548	0.085	1494.	3.0
56	56.0	11.230	34.763	5.74	0.15	26.550	0.088	1495.	2.8
58	58.1	11.265	34.778	5.73	0.14	26.555	0.092	1495.	3.1
60	60.0	11.366	34.811	5.72	0.14	26.562	0.094	1495.	3.2
62	62.1	11.477	34.840	5.69	0.14	26.564	0.097	1496.	3.3
64	64.1	11.639	34.884	5.64	0.14	26.568	0.100	1496.	3.4
66	65.9	11.884	34.974	5.58	0.14	26.591	0.103	1497.	3.4
68	68.1	12.108	35.033	5.53	0.14	26.594	0.106	1498.	3.2
69	69.8	12.291	35.088	5.47	0.14	26.602	0.109	1499.	3.1
72	72.1	12.447	35.130	5.43	0.13	26.604	0.112	1500.	3.2
73	73.8	12.552	35.161	5.41	0.13	26.608	0.115	1500.	3.1
76	76.1	12.593	35.170	5.38	0.13	26.606	0.118	1500.	3.3
78	78.0	12.618	35.187	5.34	0.13	26.615	0.120	1500.	3.2
80	80.1	13.061	35.336	5.25	0.13	26.642	0.123	1502.	3.2
81	81.9	13.350	35.417	5.20	0.13	26.646	0.126	1503.	3.1
83	84.0	13.419	35.437	5.19	0.13	26.647	0.129	1503.	3.0
86	86.1	13.422	35.436	5.17	0.13	26.645	0.132	1504.	2.8
87	88.0	13.423	35.441	5.14	0.13	26.649	0.135	1504.	2.5
89	89.9	13.551	35.483	5.07	0.13	26.655	0.137	1504.	2.6
91	92.0	13.707	35.534	5.01	0.13	26.662	0.140	1505.	2.9
94	94.1	13.848	35.580	5.00	0.13	26.668	0.143	1505.	3.0
95	95.8	13.906	35.601	5.03	0.13	26.673	0.145	1505.	3.0
98	98.3	13.958	35.624	5.06	0.13	26.680	0.149	1506.	2.9
99	99.8	13.988	35.641	5.09	0.13	26.686	0.151	1506.	2.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	18	02 FEB 1982	2040	40°26.7'N	67°39.7'W	375

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
101	102.0	14.006	35.652	5.10	0.13	26.691	0.154	1506.	2.5
103	104.0	14.013	35.658	5.11	0.13	26.694	0.157	1506.	2.3
105	106.0	13.955	35.649	5.13	0.13	26.699	0.160	1506.	2.4
108	108.2	13.963	35.648	5.10	0.13	26.697	0.163	1506.	2.6
109	109.9	13.928	35.639	5.06	0.13	26.697	0.165	1506.	2.8
111	112.0	13.854	35.626	5.03	0.13	26.703	0.168	1506.	3.0
113	114.1	13.761	35.619	4.99	0.13	26.717	0.170	1505.	3.1
115	116.1	13.743	35.625	4.97	0.13	26.725	0.173	1505.	3.2
117	118.0	13.735	35.629	4.94	0.13	26.730	0.176	1505.	3.4
119	119.9	13.750	35.640	4.88	0.13	26.735	0.178	1505.	3.8
121	122.2	13.815	35.664	4.81	0.13	26.740	0.181	1506.	4.5
123	123.7	13.810	35.665	4.69	0.13	26.742	0.183	1506.	4.9
125	126.2	13.522	35.615	4.63	0.13	26.763	0.187	1505.	5.1
127	127.9	12.755	35.445	4.64	0.14	26.788	0.189	1502.	5.1
129	130.0	12.200	35.366	4.68	0.14	26.835	0.192	1500.	4.8
131	132.0	12.176	35.352	4.64	0.14	26.829	0.194	1500.	4.4
133	134.0	12.153	35.354	4.61	0.14	26.835	0.196	1500.	3.7
135	135.8	12.179	35.360	4.58	0.14	26.834	0.199	1500.	3.3
137	138.1	12.084	35.334	4.56	0.14	26.833	0.202	1500.	3.0
139	139.9	11.971	35.316	4.54	0.14	26.841	0.204	1499.	3.6
141	141.9	11.852	35.297	4.52	0.14	26.849	0.206	1499.	3.8
143	144.0	11.698	35.287	4.51	0.15	26.870	0.209	1499.	4.2
145	146.1	11.609	35.273	4.49	0.14	26.876	0.211	1498.	4.6
147	148.1	11.423	35.252	4.51	0.15	26.894	0.214	1498.	4.6
149	149.9	11.382	35.246	4.50	0.15	26.897	0.216	1497.	4.6
151	152.3	11.010	35.182	4.53	0.15	26.916	0.219	1496.	4.4
153	154.0	10.873	35.176	4.54	0.16	26.936	0.221	1496.	4.2
155	156.0	10.846	35.177	4.53	0.16	26.942	0.223	1496.	3.8
157	158.0	10.851	35.192	4.53	0.16	26.953	0.225	1496.	3.6
159	160.1	10.947	35.218	4.52	0.15	26.956	0.227	1496.	3.1
161	161.9	10.876	35.201	4.52	0.16	26.955	0.230	1496.	2.8
163	164.0	10.805	35.195	4.51	0.16	26.963	0.232	1496.	2.9
165	165.9	10.810	35.201	4.49	0.16	26.967	0.234	1496.	3.0
167	168.0	10.833	35.214	4.47	0.16	26.973	0.236	1496.	3.2
169	170.2	10.856	35.225	4.44	0.16	26.978	0.239	1496.	3.2
171	171.9	10.897	35.250	4.41	0.15	26.990	0.241	1496.	3.0
173	174.1	10.957	35.277	4.40	0.15	27.000	0.243	1496.	2.8
175	175.9	10.931	35.273	4.40	0.15	27.001	0.245	1496.	2.6
177	178.0	10.908	35.268	4.41	0.15	27.001	0.247	1496.	2.5
179	180.1	10.850	35.255	4.41	0.15	27.002	0.250	1496.	2.4
181	181.9	10.827	35.252	4.41	0.15	27.004	0.252	1496.	2.4
183	184.1	10.761	35.244	4.42	0.15	27.009	0.254	1496.	2.6
185	186.0	10.714	35.242	4.42	0.15	27.016	0.256	1496.	2.8
187	188.0	10.682	35.244	4.41	0.15	27.024	0.258	1496.	2.9
189	190.1	10.676	35.247	4.41	0.15	27.027	0.260	1496.	2.8
191	191.8	10.670	35.249	4.40	0.15	27.030	0.262	1496.	2.6
193	194.2	10.626	35.250	4.40	0.15	27.038	0.265	1496.	2.6
195	195.9	10.612	35.250	4.40	0.15	27.041	0.267	1496.	2.5
197	198.2	10.614	35.250	4.39	0.15	27.041	0.269	1496.	2.4
199	199.9	10.596	35.249	4.39	0.15	27.043	0.271	1496.	2.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	18	02 FEB 1982	2040	40°26.7'N	67°39.7'W	375

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
201	202.1	10.546	35.251	4.39	0.15	27.053	0.273	1495.	2.1
203	204.1	10.538	35.251	4.39	0.15	27.055	0.275	1495.	1.9
205	206.0	10.536	35.251	4.39	0.15	27.055	0.277	1495.	1.7
207	208.0	10.533	35.251	4.39	0.15	27.056	0.279	1495.	1.4
209	209.9	10.536	35.252	4.39	0.15	27.056	0.281	1495.	1.0
211	212.1	10.536	35.252	4.39	0.15	27.056	0.283	1496.	0.9
213	213.9	10.534	35.253	4.39	0.15	27.057	0.285	1496.	1.3
215	215.9	10.533	35.253	4.39	0.15	27.057	0.287	1496.	1.5
217	218.2	10.525	35.253	4.39	0.15	27.059	0.290	1496.	1.8
218	219.8	10.521	35.252	4.40	0.15	27.058	0.291	1496.	2.0
221	222.1	10.466	35.249	4.41	0.15	27.066	0.294	1495.	2.3
223	224.0	10.452	35.247	4.41	0.15	27.066	0.296	1495.	2.6
225	225.9	10.392	35.241	4.41	0.15	27.072	0.298	1495.	2.8
227	227.9	10.375	35.239	4.40	0.15	27.074	0.300	1495.	3.0
229	230.0	10.305	35.237	4.41	0.15	27.085	0.302	1495.	2.9
231	232.0	10.279	35.237	4.40	0.16	27.089	0.304	1495.	3.0
233	234.0	10.252	35.241	4.41	0.15	27.097	0.306	1495.	2.9
235	236.0	10.225	35.239	4.41	0.16	27.100	0.308	1495.	2.8
237	238.2	10.191	35.236	4.41	0.16	27.104	0.310	1495.	2.5
238	239.8	10.157	35.233	4.43	0.16	27.108	0.312	1495.	2.3
241	242.1	10.122	35.231	4.44	0.16	27.112	0.314	1495.	2.1
243	244.1	10.113	35.231	4.45	0.16	27.114	0.316	1495.	2.4
244	246.0	10.106	35.232	4.45	0.16	27.115	0.318	1495.	2.6
247	248.0	10.100	35.231	4.45	0.16	27.116	0.320	1495.	2.9
248	250.0	10.066	35.227	4.45	0.16	27.119	0.322	1494.	3.2
251	252.1	9.940	35.225	4.47	0.16	27.139	0.324	1494.	3.3
252	253.7	9.906	35.215	4.49	0.16	27.137	0.326	1494.	3.3
255	256.1	9.755	35.203	4.51	0.16	27.153	0.328	1493.	3.2
257	258.1	9.715	35.201	4.52	0.16	27.158	0.330	1493.	2.8
258	259.9	9.708	35.200	4.54	0.16	27.158	0.332	1493.	2.3
260	262.0	9.679	35.195	4.55	0.16	27.159	0.334	1493.	2.5
263	264.1	9.671	35.195	4.57	0.16	27.160	0.336	1493.	2.5
264	265.9	9.654	35.193	4.57	0.16	27.162	0.337	1493.	2.7
266	268.0	9.591	35.180	4.58	0.17	27.163	0.339	1493.	2.8
268	270.0	9.433	35.172	4.60	0.17	27.183	0.341	1492.	2.9
270	271.9	9.426	35.173	4.59	0.17	27.185	0.343	1492.	3.1
272	274.1	9.407	35.174	4.59	0.17	27.189	0.345	1492.	3.5
274	275.9	9.390	35.172	4.59	0.17	27.189	0.347	1492.	3.8
276	278.1	9.359	35.168	4.60	0.17	27.191	0.349	1492.	3.9
278	279.9	9.184	35.155	4.63	0.17	27.210	0.350	1492.	4.3
280	282.1	9.014	35.144	4.66	0.17	27.229	0.352	1491.	4.6
282	283.9	8.859	35.131	4.70	0.17	27.244	0.354	1491.	4.7
284	285.9	8.786	35.123	4.71	0.17	27.249	0.356	1490.	4.7
286	288.2	8.620	35.114	4.73	0.18	27.268	0.358	1490.	4.6
288	289.9	8.541	35.110	4.75	0.18	27.278	0.359	1489.	4.3
290	292.0	8.421	35.097	4.76	0.18	27.286	0.361	1489.	4.2
292	294.0	8.303	35.098	4.78	0.18	27.305	0.362	1489.	4.2
294	296.0	8.271	35.099	4.79	0.18	27.311	0.364	1488.	4.0
296	298.1	8.253	35.095	4.78	0.18	27.310	0.366	1488.	3.9
298	299.9	8.080	35.083	4.81	0.18	27.328	0.367	1488.	3.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	18	02 FEB 1982	2040	40°26.7'N	67°39.7'W	375

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
300	301.9	7.955	35.074	4.83	0.18	27.339	0.369	1487.	3.6
302	304.1	7.900	35.073	4.84	0.18	27.346	0.370	1487.	3.5
304	306.0	7.855	35.068	4.84	0.18	27.349	0.372	1487.	3.3
306	308.0	7.769	35.065	4.86	0.18	27.360	0.374	1487.	3.1
308	310.0	7.756	35.066	4.86	0.18	27.362	0.375	1487.	3.3
310	312.1	7.749	35.065	4.88	0.18	27.363	0.377	1487.	3.5
312	313.9	7.725	35.063	4.90	0.18	27.364	0.378	1487.	3.6
314	316.2	7.538	35.051	4.93	0.18	27.383	0.380	1486.	3.7
316	317.9	7.407	35.048	4.96	0.19	27.399	0.381	1486.	3.9
318	320.1	7.357	35.047	4.98	0.19	27.405	0.383	1485.	4.1
320	321.9	7.306	35.043	5.02	0.19	27.410	0.384	1485.	4.0
322	324.0	7.236	35.039	5.04	0.20	27.416	0.385	1485.	3.8
324	326.0	7.130	35.036	5.06	0.19	27.429	0.387	1485.	3.5
326	327.9	7.019	35.031	5.09	0.20	27.441	0.388	1484.	3.3
328	330.0	6.969	35.031	5.10	0.20	27.448	0.389	1484.	2.9
330	331.9	6.958	35.030	5.11	0.20	27.449	0.391	1484.	2.4
332	334.1	6.947	35.030	5.10	0.20	27.450	0.392	1484.	1.8
334	335.9	6.957	35.030	5.08	0.20	27.449	0.393	1484.	1.3
336	338.1	6.956	35.030	5.01	0.20	27.449	0.395	1484.	0.5
338	340.1	6.949	35.030	5.07	0.20	27.450	0.396	1484.	1.4
339	341.2	6.937	35.029	5.10	0.20	27.451	0.397	1484.	2.3
340	342.0	6.930	35.028	5.12	0.20	27.451	0.398	1484.	3.2
341	343.0	6.922	35.021	5.12	0.20	27.446	0.398	1484.	3.9
342	344.0	6.789	35.020	5.14	0.20	27.464	0.399	1484.	4.3
343	345.1	6.705	35.022	5.15	0.20	27.477	0.400	1483.	4.4
344	346.0	6.666	35.021	5.13	0.20	27.482	0.400	1483.	4.3
345	347.0	6.652	35.020	5.12	0.20	27.482	0.401	1483.	4.0
346	348.0	6.629	35.019	5.13	0.20	27.485	0.402	1483.	3.2
347	349.1	6.613	35.019	5.11	0.19	27.487	0.402	1483.	2.7
348	350.0	6.581	35.018	5.11	0.19	27.491	0.403	1483.	2.5
349	351.0	6.574	35.019	5.09	0.19	27.492	0.403	1483.	2.4
350	352.0	6.577	35.018	5.08	0.20	27.491	0.404	1483.	2.1
351	353.1	6.552	35.018	5.10	0.20	27.495	0.405	1483.	1.6
352	354.0	6.540	35.017	5.09	0.20	27.496	0.405	1483.	1.6
353	355.0	6.530	35.017	5.10	0.20	27.497	0.406	1483.	1.6
354	356.1	6.541	35.017	5.09	0.20	27.495	0.407	1483.	1.6
355	356.9	6.567	35.018	5.07	0.20	27.493	0.407	1483.	1.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	19	02 FEB 1982	2108	40°26.6'N	67°40.4'W	240

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.8	7.475	33.610	6.61	0.25	26.258	0.000	1479.	-0.2
4	3.6	7.476	33.611	6.61	0.24	26.259	0.001	1479.	-0.2
6	6.2	7.472	33.610	6.61	0.23	26.258	0.006	1479.	-0.2
8	7.9	7.468	33.610	6.63	0.23	26.259	0.009	1479.	-0.2
10	10.0	7.470	33.610	6.61	0.23	26.259	0.013	1479.	-0.2
12	12.0	7.467	33.609	6.61	0.23	26.259	0.016	1479.	-0.2
14	14.1	7.463	33.608	6.63	0.23	26.258	0.020	1479.	-0.2
16	15.9	7.460	33.607	6.64	0.23	26.258	0.023	1479.	-0.2
18	18.0	7.462	33.607	6.65	0.23	26.258	0.027	1479.	0.2
20	20.0	7.463	33.608	6.66	0.23	26.258	0.030	1479.	0.4
22	21.9	7.463	33.608	6.67	0.23	26.258	0.034	1479.	0.4
24	24.0	7.468	33.610	6.66	0.23	26.259	0.037	1479.	0.7
26	26.0	7.470	33.610	6.67	0.23	26.259	0.041	1479.	1.8
28	28.1	7.470	33.610	6.67	0.23	26.259	0.044	1479.	3.8
30	29.8	7.471	33.609	6.67	0.23	26.258	0.047	1479.	5.9
32	32.1	7.519	33.623	6.63	0.23	26.262	0.051	1479.	7.0
34	33.9	7.666	33.678	6.61	0.22	26.285	0.055	1480.	7.6
36	36.0	8.663	33.986	6.37	0.19	26.377	0.058	1484.	7.9
38	38.0	9.629	34.323	6.22	0.17	26.486	0.061	1488.	7.8
40	40.0	10.134	34.432	6.06	0.16	26.486	0.064	1490.	7.4
42	42.3	10.265	34.480	6.01	0.15	26.501	0.068	1491.	6.4
44	43.8	10.370	34.515	5.96	0.15	26.510	0.070	1491.	5.0
46	46.1	10.573	34.582	5.94	0.15	26.527	0.074	1492.	3.8
48	47.9	10.654	34.603	5.97	0.15	26.529	0.076	1492.	4.1
50	50.3	10.733	34.636	5.99	0.15	26.540	0.080	1493.	4.0
52	51.8	10.881	34.678	5.96	0.15	26.546	0.082	1493.	4.1
54	54.1	11.231	34.772	5.91	0.15	26.557	0.086	1495.	3.9
56	55.9	11.477	34.868	5.86	0.14	26.586	0.088	1496.	3.8
58	58.1	11.721	34.913	5.78	0.14	26.575	0.091	1497.	3.4
60	60.0	12.157	35.054	5.70	0.14	26.601	0.094	1498.	3.0
62	61.9	12.191	35.054	5.65	0.14	26.595	0.097	1499.	2.4
64	64.1	12.219	35.062	5.64	0.14	26.595	0.100	1499.	2.2
66	66.0	12.232	35.065	5.63	0.14	26.595	0.103	1499.	3.1
67	67.9	12.215	35.058	5.60	0.14	26.594	0.106	1499.	3.2
70	70.1	12.243	35.074	5.60	0.14	26.600	0.109	1499.	3.8
72	72.1	12.620	35.191	5.54	0.14	26.618	0.112	1500.	4.0
73	73.7	12.962	35.323	5.43	0.13	26.652	0.114	1502.	4.0
76	76.2	13.300	35.407	5.37	0.13	26.648	0.117	1503.	3.8
77	77.8	13.405	35.451	5.32	0.13	26.660	0.120	1503.	3.5
80	80.1	13.455	35.463	5.27	0.13	26.659	0.123	1504.	2.9
82	82.0	13.509	35.479	5.22	0.13	26.661	0.126	1504.	2.4
84	84.0	13.627	35.516	5.22	0.13	26.665	0.128	1504.	2.5
85	86.0	13.750	35.561	5.18	0.13	26.674	0.131	1505.	2.3
87	88.0	13.827	35.585	5.14	0.13	26.677	0.134	1505.	2.5
90	90.2	13.868	35.600	5.15	0.13	26.679	0.137	1505.	2.4
91	91.8	13.873	35.602	5.11	0.13	26.680	0.139	1505.	2.3
94	94.1	13.895	35.615	5.11	0.13	26.686	0.142	1505.	2.0
95	96.0	13.932	35.633	5.11	0.13	26.692	0.145	1506.	1.9
97	98.0	13.946	35.637	5.10	0.13	26.691	0.148	1506.	1.8
99	100.0	13.978	35.647	5.10	0.13	26.693	0.150	1506.	1.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	19	02 FEB 1982	2108	40°26.6'N	67°40.4'W	240

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
101	101.8	13.990	35.650	5.10	0.13	26.693	0.153	1506.	1.4
103	104.1	13.996	35.652	5.10	0.13	26.693	0.156	1506.	1.3
105	106.0	13.997	35.654	5.11	0.13	26.695	0.159	1506.	1.5
107	107.8	13.998	35.656	5.08	0.13	26.696	0.161	1506.	1.9
109	110.0	14.003	35.661	5.07	0.13	26.698	0.164	1506.	2.2
111	112.1	13.999	35.663	5.06	0.13	26.701	0.167	1506.	2.4
113	113.8	13.988	35.663	5.01	0.13	26.703	0.169	1506.	2.6
115	116.0	13.874	35.645	5.00	0.13	26.713	0.172	1506.	2.9
117	118.1	13.573	35.567	5.05	0.13	26.716	0.175	1505.	3.3
119	119.7	13.541	35.563	4.91	0.13	26.719	0.177	1505.	4.1
121	122.0	13.504	35.559	4.82	0.13	26.724	0.180	1505.	4.9
124	124.2	13.358	35.540	4.82	0.13	26.739	0.183	1504.	5.3
125	125.9	13.237	35.533	4.69	0.13	26.758	0.186	1504.	5.6
127	128.2	12.745	35.461	4.75	0.13	26.802	0.188	1502.	5.7
129	130.0	12.164	35.354	4.65	0.14	26.833	0.191	1500.	5.7
131	132.0	12.172	35.362	4.49	0.14	26.838	0.193	1500.	5.3
133	134.1	12.002	35.336	4.49	0.15	26.850	0.196	1499.	4.6
135	136.0	11.889	35.318	4.49	0.15	26.858	0.198	1499.	3.7
137	137.9	11.753	35.305	4.50	0.15	26.874	0.200	1499.	3.0
139	140.1	11.722	35.298	4.52	0.15	26.874	0.203	1499.	2.5
141	141.9	11.676	35.285	4.52	0.15	26.872	0.205	1498.	2.1
143	144.0	11.703	35.294	4.50	0.15	26.874	0.208	1499.	1.5
145	146.0	11.761	35.304	4.51	0.15	26.871	0.210	1499.	0.5
147	148.0	11.717	35.294	4.52	0.15	26.872	0.213	1499.	0.9
149	150.0	11.601	35.275	4.53	0.15	26.879	0.215	1498.	1.2
151	152.0	11.691	35.291	4.52	0.15	26.875	0.217	1499.	1.5
153	154.2	11.660	35.280	4.51	0.15	26.872	0.220	1499.	2.0
155	155.8	11.668	35.291	4.47	0.15	26.879	0.222	1499.	2.7
157	158.1	11.622	35.282	4.48	0.15	26.880	0.225	1498.	3.3
159	160.0	11.562	35.273	4.47	0.15	26.885	0.227	1498.	3.9
161	161.9	11.296	35.221	4.48	0.15	26.894	0.229	1497.	4.2
163	164.1	11.005	35.184	4.50	0.16	26.919	0.232	1496.	4.2
165	165.9	10.871	35.172	4.49	0.16	26.933	0.234	1496.	4.2
167	168.1	10.831	35.180	4.47	0.17	26.947	0.236	1496.	4.3
169	170.0	10.830	35.181	4.45	0.17	26.948	0.239	1496.	4.3
171	172.0	10.823	35.183	4.44	0.17	26.951	0.241	1496.	4.1
173	174.0	10.797	35.185	4.44	0.17	26.957	0.243	1496.	4.0
175	176.0	10.700	35.202	4.44	0.17	26.988	0.245	1495.	3.9
177	177.9	10.672	35.215	4.42	0.17	27.002	0.247	1495.	3.7
179	180.1	10.672	35.217	4.40	0.17	27.004	0.250	1495.	3.4
181	182.1	10.687	35.221	4.38	0.17	27.004	0.252	1496.	2.8
183	183.9	10.684	35.221	4.37	0.16	27.006	0.254	1496.	2.0
185	186.0	10.682	35.224	4.37	0.16	27.008	0.256	1496.	1.5
187	188.0	10.679	35.225	4.36	0.16	27.010	0.258	1496.	1.5
189	190.0	10.686	35.230	4.35	0.16	27.012	0.261	1496.	1.5
191	192.0	10.700	35.235	4.35	0.16	27.013	0.263	1496.	1.5
193	194.0	10.695	35.233	4.34	0.16	27.012	0.265	1496.	1.6
195	196.0	10.714	35.239	4.33	0.16	27.014	0.267	1496.	1.7
197	198.0	10.732	35.245	4.31	0.16	27.015	0.269	1496.	1.8
199	199.9	10.734	35.248	4.30	0.16	27.018	0.271	1496.	2.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	19	02 FEB 1982	2108	40°26.6'N	67°40.4'W	240

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
201	202.1	10.753	35.260	4.29	0.15	27.023	0.274	1496.	2.2
203	204.1	10.756	35.262	4.28	0.15	27.024	0.276	1496.	2.3
205	205.9	10.739	35.261	4.27	0.15	27.027	0.278	1496.	2.4
207	208.0	10.694	35.259	4.26	0.15	27.033	0.280	1496.	2.4
209	210.0	10.677	35.258	4.26	0.15	27.035	0.282	1496.	2.5
210	211.2	10.653	35.256	4.25	0.15	27.038	0.283	1496.	2.7
211	212.0	10.645	35.256	4.25	0.15	27.040	0.284	1496.	2.8
212	213.0	10.630	35.255	4.25	0.15	27.042	0.285	1496.	3.1
213	214.0	10.603	35.254	4.24	0.15	27.045	0.286	1496.	3.4
214	215.0	10.577	35.252	4.24	0.15	27.048	0.287	1496.	3.7
215	216.0	10.542	35.250	4.24	0.15	27.053	0.288	1496.	3.8
216	217.1	10.492	35.246	4.25	0.16	27.059	0.290	1495.	3.8
217	218.0	10.426	35.236	4.25	0.16	27.062	0.290	1495.	3.7
218	219.0	10.386	35.237	4.23	0.16	27.071	0.291	1495.	3.4
219	220.0	10.379	35.239	4.23	0.16	27.073	0.293	1495.	2.9
220	221.0	10.373	35.238	4.23	0.16	27.074	0.294	1495.	2.4
221	222.0	10.375	35.239	4.24	0.16	27.074	0.295	1495.	1.7
222	223.0	10.377	35.239	4.22	0.16	27.074	0.296	1495.	0.7
223	224.0	10.379	35.241	4.23	0.16	27.074	0.297	1495.	0.7
224	225.0	10.384	35.241	4.23	0.16	27.074	0.298	1495.	0.7
225	226.1	10.389	35.241	4.23	0.16	27.073	0.299	1495.	0.7
226	227.0	10.392	35.242	4.24	0.16	27.073	0.300	1495.	0.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	20	02 FEB 1982	2126	40°26.6'N	67°40.7'W	190

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.6	7.414	33.596	6.61	0.23	26.255	0.000	1479.	-0.7
4	4.0	7.394	33.590	6.55	0.23	26.254	0.002	1478.	-0.7
6	6.0	7.383	33.586	6.63	0.23	26.252	0.006	1478.	-0.7
8	8.1	7.377	33.584	6.64	0.23	26.252	0.010	1478.	-0.7
10	10.0	7.376	33.584	6.69	0.23	26.252	0.013	1478.	-0.7
12	12.0	7.377	33.584	6.68	0.23	26.252	0.016	1479.	-0.4
14	14.0	7.378	33.585	6.71	0.23	26.252	0.020	1479.	0.4
16	16.0	7.378	33.585	6.70	0.23	26.252	0.024	1479.	0.5
18	17.9	7.378	33.584	6.70	0.23	26.252	0.027	1479.	0.5
20	20.2	7.381	33.585	6.69	0.23	26.252	0.031	1479.	0.6
22	21.8	7.387	33.587	6.66	0.23	26.253	0.034	1479.	0.7
24	24.0	7.388	33.587	6.63	0.23	26.253	0.038	1479.	1.1
26	25.9	7.389	33.588	6.68	0.23	26.253	0.041	1479.	1.9
28	28.0	7.394	33.590	6.68	0.23	26.254	0.045	1479.	3.3
30	30.0	7.407	33.593	6.70	0.23	26.255	0.048	1479.	5.6
32	32.1	7.477	33.613	6.70	0.23	26.260	0.052	1479.	6.7
34	33.9	7.626	33.663	6.64	0.22	26.278	0.055	1480.	7.3
36	36.0	8.188	33.840	6.48	0.20	26.335	0.059	1482.	7.5
38	38.1	9.590	34.304	6.21	0.17	26.478	0.062	1488.	7.4
40	40.0	10.092	34.404	6.01	0.16	26.471	0.065	1490.	7.0
42	42.1	10.188	34.427	5.94	0.15	26.473	0.068	1490.	6.2
44	43.9	10.233	34.438	5.89	0.15	26.473	0.071	1491.	4.9
46	45.9	10.304	34.473	5.87	0.15	26.489	0.074	1491.	3.4
48	48.2	10.368	34.502	5.89	0.15	26.500	0.078	1491.	3.7
50	49.9	10.443	34.536	5.93	0.15	26.513	0.080	1492.	3.7
52	52.0	10.513	34.561	5.99	0.15	26.521	0.083	1492.	3.7
54	54.0	10.561	34.580	6.04	0.15	26.527	0.086	1492.	3.7
56	56.1	10.594	34.596	6.07	0.15	26.533	0.090	1492.	3.6
58	57.9	10.735	34.629	6.04	0.15	26.535	0.092	1493.	3.6
60	60.1	11.039	34.719	6.00	0.15	26.550	0.096	1494.	3.6
61	61.8	11.228	34.786	5.93	0.15	26.568	0.098	1495.	3.7
64	64.0	11.447	34.835	5.88	0.14	26.566	0.101	1496.	3.5
66	66.2	11.690	34.912	5.83	0.14	26.580	0.105	1497.	3.3
68	67.9	11.883	34.966	5.74	0.14	26.585	0.107	1497.	3.3
70	70.1	12.036	35.014	5.70	0.14	26.593	0.110	1498.	3.3
72	72.2	12.109	35.029	5.66	0.14	26.592	0.113	1498.	3.4
73	73.8	12.273	35.071	5.59	0.14	26.592	0.116	1499.	3.8
76	76.3	12.713	35.221	5.55	0.13	26.622	0.119	1501.	4.0
77	77.8	12.820	35.256	5.46	0.13	26.628	0.121	1501.	4.3
80	80.1	12.977	35.295	5.42	0.13	26.627	0.125	1502.	4.5
81	81.9	13.139	35.385	5.34	0.13	26.664	0.127	1502.	4.5
83	83.9	13.381	35.447	5.24	0.13	26.662	0.130	1503.	4.2
86	86.1	13.477	35.494	5.21	0.13	26.679	0.133	1504.	4.2
88	88.0	13.442	35.499	5.13	0.13	26.690	0.136	1504.	4.0
89	90.0	13.411	35.505	5.05	0.13	26.701	0.138	1504.	3.5
92	92.1	13.397	35.505	5.03	0.13	26.704	0.141	1504.	3.3
93	93.8	13.395	35.519	4.97	0.13	26.715	0.143	1504.	2.8
95	96.0	13.484	35.545	4.97	0.13	26.717	0.146	1504.	2.4
97	97.9	13.496	35.548	4.98	0.13	26.717	0.149	1504.	2.0
99	100.0	13.472	35.545	5.00	0.13	26.719	0.152	1504.	2.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	20	02 FEB 1982	2126	40°26.6'N	67°40.7'W	190

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
101	102.0	13.473	35.546	5.02	0.13	26.720	0.154	1504.	1.9
103	104.1	13.503	35.556	5.01	0.13	26.721	0.157	1504.	2.0
105	106.0	13.517	35.563	4.98	0.13	26.724	0.160	1504.	2.0
107	108.0	13.408	35.544	5.00	0.13	26.732	0.162	1504.	1.9
109	110.1	13.391	35.543	4.95	0.13	26.734	0.165	1504.	1.9
111	112.0	13.410	35.545	4.89	0.13	26.732	0.168	1504.	2.1
113	114.2	13.365	35.534	4.90	0.13	26.733	0.171	1504.	2.4
115	116.2	13.301	35.518	4.87	0.13	26.734	0.173	1504.	2.8
117	117.9	13.196	35.496	4.82	0.13	26.738	0.176	1503.	3.3
120	120.2	12.902	35.436	4.83	0.13	26.751	0.179	1502.	3.7
121	121.9	12.759	35.410	4.76	0.14	26.759	0.181	1502.	3.7
123	123.9	12.559	35.378	4.74	0.14	26.775	0.184	1501.	3.6
125	126.1	12.453	35.364	4.73	0.14	26.785	0.186	1501.	3.4
127	127.7	12.404	35.359	4.66	0.14	26.790	0.188	1501.	3.0
129	130.2	12.459	35.363	4.64	0.14	26.783	0.192	1501.	2.6
131	131.9	12.439	35.368	4.65	0.14	26.791	0.194	1501.	2.2
133	134.2	12.379	35.363	4.66	0.14	26.798	0.197	1501.	2.1
135	135.8	12.378	35.363	4.65	0.14	26.799	0.199	1501.	2.1
137	138.2	12.374	35.364	4.64	0.14	26.800	0.202	1501.	2.3
139	139.9	12.356	35.361	4.61	0.14	26.801	0.204	1501.	2.0
140	141.2	12.323	35.360	4.61	0.14	26.807	0.206	1501.	2.3
141	142.0	12.343	35.361	4.61	0.14	26.804	0.207	1501.	2.8
142	143.0	12.295	35.353	4.62	0.14	26.807	0.208	1501.	3.4
143	143.9	12.286	35.352	4.62	0.14	26.808	0.209	1501.	3.6
144	145.0	12.155	35.338	4.63	0.14	26.823	0.211	1500.	3.7
145	146.0	12.130	35.333	4.61	0.14	26.824	0.212	1500.	3.7
146	147.0	12.099	35.333	4.60	0.14	26.830	0.213	1500.	3.5
147	148.0	12.094	35.334	4.58	0.14	26.831	0.214	1500.	3.1
148	149.0	12.077	35.331	4.56	0.14	26.832	0.215	1500.	2.3
149	150.0	12.061	35.329	4.54	0.14	26.834	0.217	1500.	1.8
150	151.0	12.044	35.328	4.54	0.14	26.836	0.218	1500.	1.3
151	152.1	12.044	35.327	4.54	0.14	26.835	0.219	1500.	1.3
152	152.9	12.061	35.330	4.51	0.14	26.835	0.220	1500.	1.5
153	154.0	12.074	35.329	4.51	0.14	26.831	0.222	1500.	1.8
154	155.1	12.045	35.328	4.52	0.14	26.836	0.223	1500.	2.0
155	156.1	12.017	35.323	4.53	0.14	26.837	0.224	1500.	2.4
156	157.0	11.951	35.310	4.52	0.14	26.840	0.225	1500.	2.4
157	158.0	11.919	35.308	4.51	0.15	26.845	0.227	1500.	2.4
158	159.0	11.913	35.305	4.51	0.15	26.843	0.228	1500.	2.4
159	160.0	11.861	35.297	4.50	0.15	26.847	0.229	1499.	2.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	21	02 FEB 1982	2132	40°26.6'N	67°40.9'W	160

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.8	7.359	33.578	6.55	0.23	26.250	0.000	1478.	-0.4
4	3.8	7.355	33.577	6.56	0.23	26.249	0.002	1478.	-0.4
6	6.0	7.352	33.577	6.54	0.23	26.249	0.006	1478.	-0.4
8	8.0	7.339	33.574	6.55	0.23	26.249	0.009	1478.	-0.4
10	10.0	7.330	33.573	6.60	0.23	26.249	0.013	1478.	-0.4
12	11.9	7.328	33.572	6.56	0.23	26.249	0.016	1478.	-0.3
14	14.2	7.325	33.572	6.57	0.23	26.249	0.020	1478.	-0.4
16	15.8	7.326	33.571	6.56	0.23	26.248	0.023	1478.	-0.2
18	18.0	7.326	33.571	6.56	0.23	26.249	0.027	1478.	-0.1
20	20.2	7.329	33.572	6.61	0.23	26.249	0.031	1478.	0.1
22	21.9	7.330	33.571	6.60	0.23	26.248	0.034	1478.	0.7
24	24.1	7.343	33.575	6.63	0.23	26.249	0.037	1479.	1.6
26	26.0	7.342	33.574	6.64	0.23	26.249	0.041	1479.	3.2
28	28.0	7.344	33.574	6.67	0.23	26.249	0.044	1479.	4.2
30	30.0	7.387	33.587	6.65	0.23	26.253	0.048	1479.	5.8
32	31.9	7.556	33.639	6.61	0.22	26.269	0.051	1480.	6.8
34	34.0	8.076	33.807	6.48	0.20	26.326	0.055	1482.	7.3
36	36.0	8.496	33.915	6.40	0.19	26.347	0.058	1484.	7.6
38	38.1	9.619	34.285	6.16	0.17	26.458	0.062	1488.	7.5
40	39.9	10.129	34.409	5.99	0.16	26.469	0.064	1490.	7.1
42	42.1	10.270	34.452	5.92	0.15	26.478	0.068	1491.	6.3
44	43.9	10.349	34.493	5.89	0.15	26.496	0.071	1491.	5.4
46	46.2	10.589	34.572	5.86	0.15	26.516	0.074	1492.	4.2
48	47.9	10.761	34.625	5.86	0.15	26.527	0.077	1493.	4.0
50	50.0	10.877	34.659	5.89	0.15	26.532	0.080	1493.	3.8
52	52.0	10.918	34.673	5.91	0.15	26.536	0.083	1494.	3.5
54	54.0	10.964	34.690	5.93	0.15	26.542	0.086	1494.	3.3
56	56.0	11.134	34.739	5.91	0.15	26.549	0.089	1494.	3.3
58	58.1	11.410	34.825	5.86	0.14	26.565	0.092	1496.	3.3
60	59.9	11.489	34.845	5.84	0.14	26.566	0.095	1496.	3.2
62	62.0	11.580	34.871	5.81	0.14	26.569	0.098	1496.	2.9
64	64.0	11.817	34.946	5.76	0.14	26.582	0.101	1497.	2.6
66	65.9	11.907	34.969	5.73	0.14	26.583	0.103	1498.	2.2
68	68.1	11.947	34.979	5.71	0.14	26.583	0.107	1498.	2.2
69	69.9	11.998	34.994	5.69	0.14	26.585	0.109	1498.	2.5
72	72.1	12.024	35.000	5.68	0.14	26.585	0.112	1498.	2.5
74	74.0	12.067	35.013	5.66	0.14	26.587	0.115	1498.	3.1
76	76.1	12.273	35.078	5.62	0.14	26.598	0.118	1499.	3.5
77	77.9	12.425	35.139	5.56	0.13	26.615	0.121	1500.	4.0
80	80.0	12.697	35.206	5.49	0.13	26.614	0.124	1501.	4.5
82	82.2	12.958	35.303	5.40	0.13	26.637	0.127	1502.	4.8
84	84.1	13.160	35.365	5.29	0.13	26.644	0.130	1503.	5.1
85	85.8	13.272	35.421	5.23	0.13	26.665	0.132	1503.	5.1
88	88.1	13.304	35.463	5.17	0.13	26.690	0.135	1503.	5.2
89	89.8	13.276	35.478	5.05	0.13	26.708	0.138	1503.	4.8
91	92.0	13.284	35.510	4.98	0.13	26.731	0.140	1503.	4.4
94	94.2	13.298	35.519	4.93	0.13	26.735	0.143	1503.	3.8
95	95.9	13.280	35.518	4.86	0.13	26.738	0.146	1503.	3.0
97	98.0	13.242	35.513	4.88	0.13	26.742	0.148	1503.	2.3
100	100.1	13.232	35.510	4.89	0.13	26.742	0.151	1503.	1.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	21	02 FEB 1982	2132	40°26.6'N	67°40.9'W	160

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
101	102.0	13.228	35.510	4.89	0.13	26.743	0.154	1503.	1.3
103	104.1	13.239	35.514	4.89	0.13	26.743	0.156	1503.	1.1
105	105.9	13.248	35.518	4.88	0.13	26.744	0.159	1503.	1.1
107	108.1	13.239	35.515	4.88	0.13	26.744	0.162	1503.	1.4
109	110.0	13.237	35.516	4.87	0.13	26.745	0.164	1503.	1.5
111	112.0	13.236	35.516	4.86	0.13	26.745	0.167	1503.	1.8
113	114.0	13.181	35.504	4.86	0.13	26.748	0.169	1503.	2.1
115	116.1	13.061	35.480	4.85	0.13	26.753	0.172	1503.	2.6
117	117.9	12.982	35.460	4.82	0.13	26.754	0.175	1503.	3.1
119	120.1	12.771	35.411	4.81	0.14	26.758	0.178	1502.	3.4
121	122.0	12.585	35.376	4.77	0.14	26.768	0.180	1501.	3.7
123	123.8	12.459	35.355	4.72	0.14	26.777	0.182	1501.	3.8
125	126.2	12.310	35.342	4.69	0.14	26.796	0.185	1500.	3.9
127	127.9	12.217	35.321	4.61	0.14	26.797	0.188	1500.	3.9
129	129.9	12.067	35.300	4.57	0.14	26.810	0.190	1500.	3.8
130	131.2	12.057	35.300	4.55	0.14	26.812	0.192	1500.	3.6
131	132.0	12.050	35.301	4.54	0.14	26.814	0.193	1500.	3.7
132	132.9	11.953	35.276	4.51	0.14	26.813	0.194	1499.	4.3
133	134.0	11.884	35.271	4.48	0.14	26.823	0.195	1499.	4.9
134	135.0	11.829	35.260	4.48	0.14	26.824	0.197	1499.	5.6
135	136.0	11.677	35.245	4.50	0.14	26.841	0.198	1498.	6.0
136	137.0	11.473	35.218	4.52	0.15	26.859	0.199	1498.	6.0
137	138.0	11.331	35.199	4.52	0.15	26.871	0.200	1497.	5.8
138	139.0	11.299	35.210	4.48	0.15	26.885	0.201	1497.	5.8
139	140.0	11.265	35.211	4.47	0.15	26.892	0.203	1497.	5.8
140	141.0	11.250	35.210	4.47	0.15	26.894	0.204	1497.	5.8
141	141.9	11.231	35.207	4.48	0.15	26.895	0.205	1497.	5.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	22	02 FEB 1982	2200	40°26.5'N	67°41.6'W	145

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.3	7.193	33.530	6.58	0.27	26.235	0.000	1478.	-0.1
4	3.8	7.193	33.530	6.57	0.23	26.235	0.003	1478.	-0.1
6	6.1	7.188	33.530	6.58	0.23	26.235	0.007	1478.	-0.1
8	8.0	7.188	33.530	6.54	0.23	26.235	0.010	1478.	-0.1
10	10.0	7.189	33.529	6.53	0.23	26.235	0.014	1478.	-0.1
12	12.1	7.189	33.530	6.58	0.23	26.235	0.017	1478.	-0.2
14	13.9	7.190	33.530	6.55	0.23	26.235	0.021	1478.	-0.3
16	16.2	7.190	33.529	6.57	0.23	26.235	0.025	1478.	-0.3
18	18.0	7.195	33.531	6.60	0.23	26.235	0.028	1478.	-0.3
20	19.9	7.194	33.530	6.59	0.23	26.235	0.031	1478.	-0.2
22	22.2	7.194	33.530	6.63	0.23	26.234	0.035	1478.	1.0
24	23.8	7.193	33.529	6.61	0.23	26.234	0.038	1478.	2.0
26	26.0	7.193	33.529	6.63	0.23	26.234	0.042	1478.	3.2
28	28.0	7.208	33.533	6.61	0.23	26.235	0.046	1478.	4.5
30	30.0	7.310	33.562	6.50	0.23	26.243	0.049	1479.	5.9
32	32.1	7.506	33.626	6.42	0.22	26.266	0.053	1479.	6.8
34	34.0	8.038	33.773	6.19	0.20	26.305	0.056	1482.	7.3
36	35.8	8.418	33.909	6.01	0.18	26.355	0.059	1483.	7.4
38	38.2	9.792	34.293	5.76	0.16	26.435	0.063	1489.	7.1
40	39.9	10.305	34.430	5.63	0.15	26.455	0.066	1491.	6.4
42	42.0	10.486	34.479	5.57	0.15	26.461	0.069	1492.	5.4
44	44.2	10.571	34.507	5.55	0.15	26.469	0.073	1492.	4.2
46	45.8	10.621	34.523	5.56	0.15	26.472	0.075	1492.	2.8
48	48.1	10.651	34.534	5.56	0.15	26.475	0.079	1492.	2.4
50	49.9	10.657	34.536	5.57	0.15	26.476	0.081	1492.	2.2
52	52.0	10.684	34.548	5.55	0.15	26.480	0.085	1493.	2.5
54	54.1	10.735	34.561	5.55	0.15	26.481	0.088	1493.	2.9
56	56.0	10.763	34.573	5.52	0.15	26.486	0.091	1493.	3.3
58	58.0	10.868	34.602	5.48	0.15	26.489	0.094	1493.	3.6
60	60.1	10.875	34.626	5.44	0.15	26.507	0.097	1493.	3.9
62	61.9	10.853	34.635	5.40	0.15	26.518	0.100	1493.	4.2
64	64.0	11.014	34.691	5.38	0.15	26.533	0.103	1494.	4.2
66	66.0	11.240	34.749	5.34	0.15	26.537	0.106	1495.	4.0
68	68.0	11.125	34.747	5.38	0.15	26.556	0.109	1495.	3.6
70	70.1	11.288	34.797	5.38	0.15	26.565	0.112	1495.	3.3
71	71.9	11.345	34.813	5.42	0.15	26.568	0.115	1496.	3.0
73	73.9	11.390	34.825	5.46	0.15	26.568	0.118	1496.	3.3
76	76.1	11.483	34.850	5.49	0.15	26.571	0.121	1496.	3.3
78	77.9	11.580	34.876	5.50	0.15	26.573	0.124	1497.	3.5
80	80.2	11.744	34.930	5.50	0.14	26.584	0.127	1497.	3.7
82	82.1	12.169	35.075	5.46	0.14	26.616	0.130	1499.	3.8
83	84.0	12.700	35.212	5.38	0.13	26.618	0.133	1501.	3.7
86	86.2	12.819	35.248	5.37	0.13	26.622	0.136	1501.	3.7
87	88.0	12.909	35.278	5.36	0.13	26.627	0.138	1502.	3.7
89	90.0	12.963	35.298	5.33	0.13	26.632	0.141	1502.	3.8
92	92.1	13.082	35.338	5.27	0.13	26.639	0.144	1502.	4.1
93	93.7	13.264	35.401	5.18	0.13	26.651	0.146	1503.	4.2
96	96.1	13.173	35.415	5.15	0.13	26.680	0.150	1503.	4.3
97	98.1	13.115	35.415	5.13	0.13	26.692	0.152	1503.	4.3
99	99.8	13.098	35.415	5.10	0.13	26.696	0.155	1503.	4.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	22	02 FEB 1982	2200	40°26.5'N	67°41.6'W	145

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
102	102.3	13.105	35.425	5.05	0.13	26.701	0.158	1503.	4.3
103	103.8	13.101	35.435	5.01	0.13	26.710	0.160	1503.	4.3
106	106.3	13.099	35.454	4.95	0.13	26.725	0.164	1503.	4.5
107	108.0	12.989	35.449	4.92	0.14	26.743	0.166	1502.	4.6
109	109.9	12.912	35.448	4.86	0.14	26.758	0.168	1502.	4.9
112	112.2	12.779	35.434	4.82	0.14	26.775	0.171	1502.	5.1
113	113.9	12.676	35.423	4.74	0.14	26.786	0.173	1501.	5.1
115	116.0	12.657	35.420	4.64	0.14	26.787	0.176	1501.	4.9
118	118.2	12.092	35.331	4.66	0.14	26.829	0.179	1499.	4.6
119	119.8	11.866	35.295	4.67	0.15	26.844	0.181	1499.	4.4
121	122.1	11.809	35.289	4.65	0.15	26.851	0.184	1499.	4.2
123	124.0	11.805	35.285	4.62	0.15	26.849	0.186	1499.	4.1
125	125.9	11.689	35.264	4.62	0.15	26.854	0.188	1498.	4.1
127	128.0	11.611	35.255	4.60	0.15	26.861	0.191	1498.	4.5
129	129.9	11.372	35.218	4.58	0.16	26.878	0.193	1497.	4.5
131	131.3	11.141	35.179	4.58	0.16	26.890	0.195	1496.	4.5
131	132.1	10.967	35.182	4.60	0.17	26.924	0.196	1496.	4.5
132	133.0	10.943	35.190	4.58	0.17	26.934	0.197	1496.	4.5

STA 23 DAY: 2 TIME: 2220

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	6.9	43.8	9.1	75.7	11.5	121.1	11.8
1.0	6.8	44.7	9.2	76.7	11.6	122.0	11.7
2.9	6.8	44.7	9.3	76.7	11.7	123.0	11.7
4.9	6.8	44.7	9.4	77.7	11.8	125.9	11.6
5.8	6.8	45.7	9.5	77.7	11.9	126.8	11.6
7.8	6.8	45.7	9.7	79.6	12.0	128.7	11.6
9.7	6.8	45.7	9.8	80.6	12.0	130.7	11.6
11.7	6.8	45.7	9.9	81.5	12.1	132.6	11.5
13.6	6.8	45.7	10.0	82.5	12.1	134.5	11.4
15.6	6.8	46.7	10.0	84.4	12.1	135.5	11.4
17.5	6.8	46.7	10.1	86.4	12.1	136.4	11.3
19.5	6.8	47.6	10.1	87.3	12.2	137.4	11.2
21.4	6.8	48.6	10.2	88.3	12.2	138.3	11.2
22.4	6.8	48.6	10.2	89.2	12.3	139.3	11.1
24.3	6.8	49.6	10.3	90.2	12.3	140.3	11.1
24.3	6.8	50.6	10.3	91.2	12.4		
25.3	6.9	51.5	10.4	93.1	12.4		
27.3	6.9	51.5	10.5	94.1	12.5		
28.2	6.9	52.5	10.5	95.0	12.6		
29.2	6.9	54.4	10.5	96.0	12.7		
30.2	6.9	55.4	10.5	97.0	12.8		
31.1	7.0	56.4	10.6	97.0	12.8		
31.1	7.0	57.3	10.7	97.9	12.9		
32.1	7.1	57.3	10.8	98.9	12.9		
33.1	7.1	58.3	10.9	100.8	12.9		
34.1	7.1	58.3	11.0	102.8	12.9		
35.0	7.1	58.3	11.1	103.7	13.0		
36.0	7.2	58.3	11.1	104.7	13.1		
37.0	7.2	59.3	11.2	105.6	13.0		
37.0	7.3	60.2	11.3	105.6	13.0		
37.9	7.4	61.2	11.3	106.6	13.0		
37.9	7.4	62.2	11.4	107.6	12.9		
37.9	7.5	63.1	11.4	108.5	12.9		
37.9	7.6	65.1	11.5	109.5	12.9		
38.9	7.7	65.1	11.6	110.5	12.9		
38.9	7.8	66.0	11.6	111.4	12.9		
39.9	7.9	67.0	11.7	112.4	12.8		
39.9	7.9	68.0	11.8	113.4	12.8		
40.9	8.0	68.0	11.9	114.3	12.7		
40.9	8.0	68.0	11.9	114.3	12.7		
40.9	8.1	69.0	11.9	114.3	12.5		
41.8	8.2	69.9	11.9	115.3	12.5		
41.8	8.3	70.9	11.8	116.2	12.5		
41.8	8.4	70.9	11.8	117.2	12.5		
42.8	8.5	71.9	11.9	119.1	12.4		
42.8	8.5	72.8	11.8	119.1	12.4		
42.8	8.7	72.8	11.7	120.1	12.3		
43.8	8.8	73.8	11.7	120.1	12.2		
43.8	9.0	74.8	11.6	120.1	12.1		
43.8	9.0	75.7	11.6	120.1	12.0		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	24	02 FEB 1982	2231	40°26.0'N	67°44.1'W	145

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
5	4.7	6.814	33.399	6.84	0.23	26.183	0.000	1476.	-0.6
6	6.2	6.817	33.397	6.81	0.23	26.181	0.003	1476.	-0.6
8	8.0	6.824	33.397	6.81	0.23	26.180	0.006	1476.	-0.6
10	10.0	6.832	33.399	6.80	0.23	26.180	0.010	1476.	-0.6
12	11.9	6.825	33.397	6.80	0.23	26.180	0.013	1476.	-0.6
14	14.3	6.822	33.396	6.82	0.23	26.180	0.017	1476.	-0.3
16	15.8	6.822	33.396	6.79	0.23	26.180	0.020	1476.	0.2
18	18.1	6.828	33.397	6.79	0.23	26.180	0.024	1476.	0.5
20	19.9	6.828	33.398	6.78	0.23	26.180	0.028	1476.	0.6
22	22.0	6.838	33.400	6.73	0.23	26.180	0.032	1476.	0.7
24	23.8	6.837	33.399	6.72	0.23	26.180	0.035	1476.	0.6
26	26.3	6.849	33.403	6.75	0.23	26.181	0.039	1476.	0.9
28	27.9	6.849	33.403	6.78	0.23	26.181	0.042	1477.	2.5
30	30.1	6.857	33.405	6.79	0.23	26.182	0.046	1477.	3.5
32	32.0	6.850	33.403	6.75	0.23	26.181	0.050	1477.	4.1
34	33.9	6.886	33.415	6.70	0.23	26.186	0.053	1477.	4.7
36	36.0	7.551	33.595	6.55	0.22	26.236	0.057	1480.	5.5
38	38.0	7.923	33.686	6.49	0.19	26.254	0.061	1481.	6.3
40	40.1	8.055	33.720	6.44	0.18	26.261	0.064	1482.	6.9
42	42.0	8.279	33.787	6.36	0.18	26.280	0.068	1483.	6.9
44	43.9	8.963	34.003	6.19	0.18	26.343	0.071	1486.	6.7
46	45.9	9.585	34.190	6.04	0.16	26.389	0.074	1488.	6.4
48	48.0	10.039	34.328	5.92	0.16	26.421	0.078	1490.	6.1
50	50.0	10.041	34.330	5.88	0.15	26.422	0.081	1490.	5.7
52	52.0	10.033	34.335	5.82	0.15	26.428	0.084	1490.	5.1
54	53.9	10.196	34.381	5.74	0.15	26.436	0.087	1491.	4.7
56	56.1	10.622	34.498	5.64	0.15	26.452	0.090	1492.	4.6
58	58.1	11.142	34.665	5.51	0.15	26.489	0.094	1494.	5.0
60	59.9	11.317	34.716	5.44	0.15	26.497	0.096	1495.	5.4
62	62.2	11.329	34.727	5.41	0.15	26.504	0.100	1495.	5.4
64	63.9	11.371	34.755	5.35	0.15	26.518	0.103	1495.	5.2
66	65.9	11.561	34.848	5.27	0.15	26.554	0.106	1496.	4.8
68	67.9	11.698	34.913	5.25	0.15	26.579	0.109	1497.	4.5
70	70.1	11.702	34.921	5.30	0.15	26.585	0.112	1497.	4.0
72	72.0	11.726	34.929	5.28	0.15	26.586	0.115	1497.	3.2
74	74.1	11.735	34.931	5.26	0.15	26.586	0.118	1497.	2.1
76	76.0	11.718	34.927	5.26	0.15	26.586	0.120	1497.	1.3
78	78.0	11.726	34.930	5.29	0.15	26.587	0.123	1497.	1.1
79	79.9	11.740	34.932	5.34	0.15	26.586	0.126	1497.	1.7
82	82.1	11.777	34.944	5.40	0.15	26.589	0.129	1497.	2.2
83	83.8	11.830	34.961	5.43	0.15	26.592	0.132	1498.	2.5
86	86.1	11.966	34.994	5.45	0.15	26.591	0.135	1498.	2.8
87	88.0	12.310	35.100	5.50	0.14	26.607	0.138	1499.	3.1
89	90.0	12.638	35.193	5.51	0.14	26.615	0.141	1501.	3.3
92	92.2	12.613	35.191	5.52	0.14	26.619	0.144	1501.	3.6
93	93.7	12.632	35.204	5.38	0.14	26.625	0.146	1501.	3.8
96	96.2	12.772	35.253	5.32	0.14	26.635	0.150	1501.	3.8
97	97.8	12.608	35.221	5.24	0.14	26.643	0.152	1501.	3.9
99	100.1	12.624	35.247	5.14	0.14	26.660	0.155	1501.	3.9
101	101.9	12.706	35.279	5.05	0.14	26.669	0.158	1501.	4.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	24	02 FEB 1982	2231	40°26.0'N	67°44.1'W	145

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
103	104.0	12.724	35.298	5.00	0.14	26.680	0.160	1501.	4.2
106	106.2	12.727	35.308	4.99	0.14	26.687	0.163	1501.	4.6
107	107.9	12.726	35.313	4.94	0.14	26.691	0.166	1501.	5.5
110	110.2	12.537	35.290	4.89	0.14	26.710	0.169	1501.	6.5
111	111.9	12.375	35.275	4.83	0.14	26.731	0.171	1500.	7.2
113	114.0	12.190	35.272	4.75	0.14	26.764	0.174	1500.	7.5
115	115.9	11.785	35.266	4.68	0.15	26.838	0.176	1498.	7.5
117	118.0	11.514	35.284	4.59	0.15	26.902	0.179	1497.	7.0
119	120.0	11.458	35.287	4.47	0.15	26.915	0.181	1497.	6.3
121	122.0	11.409	35.284	4.40	0.16	26.922	0.184	1497.	5.2
123	123.9	11.387	35.284	4.39	0.16	26.926	0.186	1497.	3.9
125	126.1	11.359	35.281	4.40	0.16	26.929	0.188	1497.	2.8
127	127.8	11.351	35.280	4.43	0.16	26.930	0.190	1497.	2.6
129	130.0	11.315	35.277	4.44	0.16	26.934	0.193	1497.	2.6
130	131.2	11.260	35.272	4.46	0.16	26.941	0.194	1497.	2.8
131	132.0	11.247	35.272	4.47	0.16	26.943	0.195	1497.	2.9
132	132.9	11.243	35.272	4.47	0.16	26.944	0.196	1497.	2.9
133	134.0	11.215	35.270	4.47	0.17	26.947	0.197	1497.	2.9
134	135.2	11.182	35.268	4.46	0.17	26.952	0.199	1497.	2.9
135	135.9	11.180	35.269	4.40	0.17	26.953	0.199	1497.	2.9

STA 25 DAY: 2 TIME: 2323

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	7.3	61.2	10.1	123.9	11.5
1.0	7.2	62.2	10.2	126.8	11.5
1.9	7.2	63.1	10.2	127.8	11.5
4.9	7.2	64.1	10.3	129.7	11.6
5.8	7.2	66.0	10.4	131.6	11.6
7.8	7.2	67.0	10.4	132.6	11.6
9.7	7.2	68.0	10.5	134.5	11.5
11.7	7.2	68.0	10.6	135.5	11.5
13.6	7.2	69.0	10.7	137.4	11.4
15.6	7.2	69.9	10.8	138.3	11.4
17.5	7.2	70.9	10.8	140.3	11.4
19.5	7.2	71.9	11.0	142.2	11.4
21.4	7.2	72.8	11.1	144.1	11.4
23.4	7.2	73.8	11.1	145.1	11.4
26.3	7.2	74.8	11.2	146.0	11.4
28.2	7.3	75.7	11.2	147.9	11.4
29.2	7.3	75.7	11.3	150.8	11.4
31.1	7.3	76.7	11.4	153.7	11.4
34.1	7.4	77.7	11.4	155.6	11.4
36.0	7.3	78.6	11.5	157.5	11.4
37.0	7.4	79.6	11.5	159.4	11.3
38.9	7.4	81.5	11.6	163.3	11.3
40.9	7.4	82.5	11.6	165.2	11.3
43.8	7.5	84.4	11.7	167.1	11.3
45.7	7.5	85.4	11.7	169.0	11.3
46.7	7.5	87.3	11.7	170.9	11.3
48.6	7.5	88.3	11.7	173.8	11.3
49.6	7.5	89.2	11.8	175.7	11.3
51.5	7.6	90.2	11.8	177.6	11.3
52.5	7.6	91.2	11.9	180.5	11.4
54.4	7.7	94.1	11.9	183.4	11.4
55.4	7.8	96.0	11.9	184.3	11.4
57.3	7.9	97.0	11.9	186.2	11.4
57.3	8.0	98.9	11.9	189.1	11.4
57.3	8.0	99.9	11.9	191.0	11.4
57.3	8.2	100.8	11.8	192.0	11.4
58.3	8.3	101.8	11.8	192.9	11.4
59.3	8.4	102.8	11.7	194.8	11.4
59.3	8.5	103.7	11.7	196.7	11.4
59.3	8.6	105.6	11.7	198.6	11.4
59.3	8.8	108.5	11.7	200.5	11.4
60.2	8.9	110.5	11.7	202.5	11.4
60.2	9.0	112.4	11.7	203.4	11.4
60.2	9.1	114.3	11.7	205.3	11.4
61.2	9.3	116.2	11.7	206.3	11.4
60.2	9.4	117.2	11.6		
60.2	9.5	117.2	11.5		
61.2	9.7	118.2	11.5		
61.2	9.8	119.1	11.5		
61.2	9.9	121.1	11.5		

STA 26 DAY: 2 TIME: 2330

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	7.5	55.4	8.4	91.2	11.3	176.7	11.3	251.9	9.4
1.0	7.5	55.4	8.5	93.1	11.3	178.6	11.3	253.8	9.4
2.9	7.5	56.4	8.5	94.1	11.3	180.5	11.3	254.7	9.3
3.9	7.5	57.3	8.5	95.0	11.5	182.4	11.2	256.6	9.3
4.9	7.5	57.3	8.6	96.0	11.5	185.3	11.2	258.5	9.3
5.8	7.5	57.3	8.7	97.0	11.7	188.1	11.1	260.4	9.3
6.8	7.6	57.3	8.7	97.9	11.8	189.1	11.1	262.3	9.2
6.8	7.7	58.3	8.8	99.9	11.9	190.1	11.1	263.3	9.2
6.8	7.8	59.3	8.8	99.9	12.0	192.9	11.1	265.1	9.2
7.8	7.9	59.3	8.9	100.8	12.0	195.8	11.1	265.1	9.1
7.8	8.0	60.2	8.9	102.8	12.0	198.6	11.1	266.1	9.0
8.8	8.1	60.2	8.9	103.7	12.1	202.5	11.0	266.1	8.9
8.8	8.2	61.2	8.9	103.7	12.2	206.3	11.0	267.0	8.8
9.7	8.3	62.2	9.0	104.7	12.2	210.1	11.0	268.0	8.7
10.7	8.3	62.2	9.0	107.6	12.2	212.0	11.0	268.9	8.7
10.7	8.3	63.1	9.0	110.5	12.2	214.8	11.0	268.9	8.6
11.7	8.2	64.1	9.1	113.4	12.2	215.8	11.0	269.9	8.5
12.7	8.1	66.0	9.2	116.2	12.1	216.7	10.9	271.8	8.5
13.6	8.1	66.0	9.2	118.2	12.1	216.7	10.8	272.7	8.5
13.6	8.1	67.0	9.3	120.1	12.1	217.7	10.8	274.6	8.4
15.6	8.0	68.0	9.4	121.1	12.0	218.6	10.8	275.6	8.4
16.6	7.9	68.0	9.6	123.0	12.0	219.6	10.7	276.5	8.3
17.5	7.9	69.0	9.8	125.9	12.0	220.5	10.7	277.4	8.2
17.5	7.9	69.0	9.9	126.8	11.9	220.5	10.6	278.4	8.2
18.5	7.9	69.0	10.0	128.7	11.9	221.5	10.6	280.3	8.2
20.4	7.8	69.0	10.2	129.7	11.9	223.4	10.5	283.1	8.2
22.4	7.8	69.9	10.4	131.6	11.8	224.4	10.5	284.1	8.2
24.3	7.8	69.9	10.5	134.5	11.8	225.3	10.5	286.9	8.2
25.3	7.8	69.9	10.6	137.4	11.8	228.2	10.5	287.8	8.1
27.3	7.8	70.9	10.8	139.3	11.8	229.1	10.5	288.8	8.1
30.2	7.8	70.9	11.0	142.2	11.8	231.0	10.4	290.7	8.0
32.1	7.8	70.9	11.1	143.1	11.8	232.0	10.3	294.4	8.0
35.0	7.7	71.9	11.1	145.1	11.7	232.9	10.2	296.3	8.0
37.0	7.7	71.9	11.2	146.0	11.7	233.9	10.1	299.2	8.0
37.0	7.7	72.8	11.2	147.0	11.7	234.8	10.0	300.1	8.0
38.9	7.7	74.8	11.3	149.9	11.7	235.8	9.9	301.0	7.9
41.8	7.7	75.7	11.3	152.7	11.7	236.7	9.8	302.0	7.8
44.7	7.7	76.7	11.3	154.7	11.7	237.7	9.8	303.9	7.8
46.7	7.7	77.7	11.4	156.6	11.6	238.6	9.8	304.8	7.8
48.6	7.7	77.7	11.4	157.5	11.6	239.6	9.8	306.7	7.7
50.6	7.7	78.6	11.5	158.5	11.5	241.5	9.8	308.6	7.6
51.5	7.7	79.6	11.5	159.4	11.5	242.4	9.7	309.5	7.6
52.5	7.8	80.6	11.5	161.4	11.5	244.3	9.7	310.5	7.5
53.5	7.8	81.5	11.4	162.3	11.5	245.2	9.7	311.4	7.5
53.5	7.9	82.5	11.4	162.3	11.4	246.2	9.7	312.4	7.5
53.5	8.0	84.4	11.4	165.2	11.4	246.2	9.6	313.3	7.5
53.5	8.1	85.4	11.4	167.1	11.4	247.1	9.6	314.2	7.4
54.4	8.2	86.4	11.4	169.0	11.4	249.0	9.5	315.2	7.3
54.4	8.4	88.3	11.3	170.9	11.4	250.0	9.5	316.1	7.2
55.4	8.4	90.2	11.3	173.8	11.3	250.9	9.5	317.1	7.1

STA 26 DAY: 2 TIME: 2330

DEPTH (m)	TEMP (°C)
318.0	7.0
318.9	6.9
319.9	6.9
322.7	6.9
323.6	6.8
324.6	6.7
325.5	6.7
327.4	6.6
328.3	6.6
330.2	6.6
332.1	6.6
333.0	6.5
334.9	6.5
335.9	6.5
335.9	6.4
337.7	6.4
339.6	6.4
339.6	6.4
341.5	6.3
343.4	6.3
344.3	6.2
345.2	6.2
347.1	6.2
349.0	6.2
350.9	6.2
351.8	6.1
353.7	6.1
354.6	6.0
354.6	6.0
357.4	6.0
359.3	6.0
362.1	6.0
364.0	6.0
365.8	6.0
367.7	5.9
369.6	5.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	27	02 FEB 1982	2322	40°31.0'N	67°42.8'W	260

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
6	6.5	5.514	33.010	6.94	0.22	26.039	0.000	1470.	1.0
8	7.9	5.512	33.010	6.90	0.22	26.040	0.003	1470.	1.0
10	10.0	5.514	33.011	6.89	0.22	26.040	0.007	1470.	1.0
12	12.0	5.518	33.012	6.89	0.22	26.040	0.011	1470.	1.0
14	13.9	5.520	33.013	6.88	0.22	26.041	0.015	1471.	1.0
16	16.0	5.519	33.012	6.88	0.22	26.040	0.019	1471.	1.1
18	17.9	5.536	33.016	6.87	0.22	26.041	0.022	1471.	1.0
20	20.0	5.590	33.029	6.85	0.23	26.045	0.027	1471.	1.1
22	22.2	5.597	33.029	6.86	0.22	26.044	0.031	1471.	1.1
24	23.9	5.590	33.028	6.84	0.23	26.044	0.034	1471.	1.4
26	26.0	5.588	33.027	6.84	0.23	26.044	0.038	1471.	1.6
28	28.1	5.609	33.032	6.84	0.23	26.045	0.042	1471.	1.9
30	30.0	5.641	33.040	6.82	0.23	26.048	0.046	1471.	2.2
32	32.2	5.725	33.061	6.81	0.23	26.054	0.050	1472.	2.6
34	33.9	5.782	33.075	6.78	0.23	26.058	0.054	1472.	2.9
36	36.0	5.852	33.090	6.76	0.23	26.062	0.058	1472.	3.1
38	38.1	5.919	33.109	6.75	0.23	26.068	0.062	1473.	3.5
40	39.9	6.027	33.137	6.72	0.23	26.077	0.065	1473.	3.7
42	41.9	6.151	33.169	6.70	0.23	26.088	0.069	1474.	3.9
44	44.1	6.260	33.197	6.70	0.23	26.095	0.073	1474.	4.1
46	46.0	6.390	33.239	6.67	0.23	26.113	0.077	1475.	4.2
48	48.1	6.538	33.277	6.67	0.23	26.123	0.081	1475.	4.3
50	49.9	6.648	33.307	6.65	0.23	26.133	0.084	1476.	4.7
52	52.0	6.765	33.345	6.63	0.24	26.147	0.088	1477.	5.0
54	54.0	6.843	33.368	6.62	0.24	26.155	0.092	1477.	5.1
56	55.9	6.984	33.418	6.60	0.24	26.175	0.095	1478.	5.2
58	58.0	7.276	33.520	6.52	0.23	26.215	0.099	1479.	5.3
60	60.1	7.351	33.541	6.50	0.23	26.221	0.103	1479.	5.2
62	62.1	7.468	33.585	6.49	0.22	26.240	0.107	1480.	5.2
63	63.9	7.665	33.638	6.43	0.21	26.253	0.110	1481.	4.9
66	66.2	7.803	33.679	6.40	0.21	26.266	0.114	1481.	4.6
67	67.9	7.933	33.725	6.37	0.20	26.283	0.117	1482.	4.8
69	69.9	8.048	33.763	6.31	0.20	26.296	0.120	1482.	4.9
72	72.2	8.137	33.797	6.25	0.19	26.309	0.124	1483.	4.9
74	74.0	8.267	33.837	6.18	0.19	26.321	0.127	1483.	4.8
76	75.9	8.596	33.935	6.09	0.18	26.347	0.131	1485.	4.6
78	78.1	9.184	34.083	5.97	0.17	26.371	0.134	1487.	4.2
79	79.9	9.343	34.119	5.93	0.17	26.373	0.137	1488.	3.8
82	82.2	9.463	34.150	5.91	0.17	26.378	0.141	1488.	3.2
83	83.9	9.505	34.162	5.89	0.17	26.381	0.144	1488.	2.5
85	85.9	9.559	34.175	5.88	0.17	26.382	0.147	1489.	2.0
88	88.0	9.599	34.189	5.90	0.16	26.386	0.151	1489.	2.1
90	90.0	9.660	34.202	5.88	0.16	26.387	0.154	1489.	2.1
92	92.1	9.684	34.212	5.91	0.16	26.390	0.157	1489.	2.2
93	93.8	9.710	34.221	5.91	0.16	26.393	0.160	1489.	2.7
96	96.1	9.732	34.232	5.91	0.17	26.398	0.164	1490.	4.1
97	97.7	9.725	34.234	5.89	0.16	26.401	0.167	1490.	5.2
99	100.0	9.719	34.237	5.84	0.17	26.404	0.170	1490.	6.1
101	102.0	9.741	34.273	5.78	0.17	26.428	0.174	1490.	6.8
103	104.1	10.427	34.524	5.61	0.17	26.507	0.177	1492.	7.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	27	02 FEB 1982	2322	40°31.0'N	67°42.8'W	260

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
105	105.9	10.706	34.623	5.49	0.17	26.535	0.180	1494.	7.6
107	108.1	11.219	34.794	5.36	0.17	26.575	0.183	1496.	7.5
109	109.9	11.646	34.947	5.23	0.17	26.615	0.186	1497.	7.0
111	111.9	11.895	35.055	5.16	0.18	26.652	0.188	1498.	6.3
113	114.0	11.978	35.094	5.11	0.18	26.667	0.191	1499.	5.7
115	116.0	12.004	35.111	5.07	0.19	26.675	0.194	1499.	5.0
117	118.0	12.052	35.148	5.05	0.19	26.695	0.197	1499.	4.3
119	120.1	12.068	35.164	5.03	0.20	26.704	0.200	1499.	3.9
121	121.9	12.076	35.170	5.03	0.19	26.707	0.202	1499.	3.8
123	124.0	12.081	35.179	5.01	0.20	26.713	0.205	1499.	3.6
125	126.0	12.088	35.190	5.00	0.20	26.721	0.208	1499.	3.5
127	127.9	12.108	35.213	4.98	0.21	26.735	0.210	1500.	3.6
129	130.0	12.118	35.225	4.96	0.21	26.742	0.213	1500.	3.6
131	132.1	12.088	35.224	4.94	0.21	26.747	0.216	1500.	3.5
133	133.9	11.992	35.213	4.93	0.22	26.757	0.218	1499.	3.4
135	136.1	11.924	35.206	4.92	0.21	26.765	0.221	1499.	3.2
137	138.0	11.900	35.209	4.91	0.21	26.771	0.223	1499.	3.0
139	139.9	11.885	35.209	4.90	0.22	26.774	0.226	1499.	2.9
141	142.3	11.863	35.210	4.89	0.22	26.779	0.229	1499.	2.6
143	143.8	11.844	35.212	4.89	0.22	26.784	0.231	1499.	2.7
145	146.1	11.843	35.215	4.87	0.22	26.787	0.234	1499.	3.2
147	147.9	11.855	35.220	4.84	0.22	26.788	0.236	1499.	3.8
149	150.0	11.814	35.216	4.82	0.22	26.793	0.239	1499.	4.1
151	151.9	11.748	35.218	4.80	0.22	26.807	0.241	1499.	4.2
153	154.2	11.639	35.225	4.81	0.22	26.833	0.244	1498.	4.2
155	155.7	11.544	35.230	4.82	0.21	26.855	0.246	1498.	3.9
157	158.0	11.537	35.230	4.81	0.21	26.856	0.249	1498.	3.4
159	160.0	11.542	35.231	4.81	0.21	26.856	0.251	1498.	2.8
161	162.0	11.543	35.231	4.80	0.21	26.856	0.254	1498.	1.8
163	164.0	11.544	35.231	4.78	0.21	26.855	0.256	1498.	0.9
165	166.2	11.538	35.230	4.77	0.21	26.856	0.259	1498.	0.9
166	167.2	11.525	35.230	4.77	0.21	26.858	0.260	1498.	0.9
167	168.0	11.522	35.230	4.76	0.21	26.859	0.261	1498.	1.4
168	169.0	11.530	35.231	4.76	0.21	26.858	0.262	1498.	1.9
169	170.0	11.537	35.231	4.72	0.21	26.857	0.264	1498.	2.6
170	171.1	11.527	35.229	4.72	0.21	26.857	0.265	1498.	3.5
171	172.0	11.472	35.225	4.76	0.21	26.865	0.266	1498.	4.2
172	173.0	11.448	35.223	4.79	0.21	26.868	0.267	1498.	4.2
173	174.0	11.382	35.218	4.77	0.21	26.875	0.269	1498.	4.2
174	174.9	11.274	35.217	4.75	0.21	26.895	0.270	1497.	4.2
175	176.0	11.250	35.219	4.72	0.21	26.901	0.271	1497.	4.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	28	02 FEB 1982	2352	40°31.6'N	67°42.1'W	145

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.8	5.313	32.947	7.10	0.21	26.012	0.000	1469.	1.4
4	4.0	5.310	32.955	7.11	0.21	26.019	0.003	1469.	1.4
6	5.8	5.309	32.965	7.13	0.21	26.028	0.006	1469.	1.4
8	8.2	5.309	32.965	7.12	0.21	26.027	0.011	1470.	1.4
10	9.9	5.309	32.964	7.10	0.21	26.027	0.014	1470.	1.4
12	11.8	5.308	32.965	7.05	0.21	26.027	0.018	1470.	0.9
14	14.2	5.307	32.964	7.07	0.21	26.027	0.023	1470.	-0.2
16	15.9	5.307	32.964	7.07	0.21	26.027	0.026	1470.	0.1
18	18.0	5.303	32.963	7.06	0.21	26.027	0.030	1470.	0.5
20	20.1	5.303	32.963	7.05	0.21	26.027	0.034	1470.	0.5
22	21.9	5.304	32.964	7.05	0.21	26.027	0.038	1470.	0.6
24	24.0	5.304	32.964	7.07	0.21	26.027	0.042	1470.	0.6
26	26.0	5.303	32.966	7.07	0.21	26.029	0.046	1470.	0.5
28	28.0	5.308	32.966	7.06	0.21	26.028	0.050	1470.	0.5
30	30.0	5.311	32.966	7.02	0.21	26.028	0.054	1470.	0.2
32	32.3	5.315	32.967	7.04	0.21	26.029	0.058	1470.	0.3
34	34.0	5.308	32.965	7.06	0.21	26.027	0.062	1470.	0.8
36	35.8	5.309	32.966	7.06	0.21	26.028	0.065	1470.	1.3
38	38.1	5.308	32.965	7.04	0.21	26.027	0.070	1470.	1.7
40	39.8	5.318	32.969	7.06	0.21	26.029	0.073	1470.	2.1
42	42.0	5.372	32.983	7.04	0.21	26.034	0.077	1470.	2.4
44	44.1	5.480	33.004	7.02	0.21	26.038	0.081	1471.	2.8
46	45.8	5.535	33.020	7.03	0.22	26.044	0.085	1471.	3.1
48	48.3	5.621	33.041	7.00	0.22	26.051	0.090	1472.	3.6
50	49.9	5.703	33.058	7.00	0.22	26.055	0.093	1472.	4.1
52	52.1	5.836	33.096	6.95	0.22	26.069	0.097	1473.	4.6
54	54.0	5.968	33.130	6.96	0.22	26.079	0.101	1473.	5.1
56	56.1	6.183	33.190	6.93	0.22	26.100	0.105	1474.	5.7
58	57.9	6.475	33.268	6.86	0.23	26.124	0.108	1475.	6.0
60	60.3	6.791	33.362	6.81	0.23	26.157	0.113	1477.	6.1
61	61.7	6.977	33.418	6.78	0.24	26.176	0.115	1478.	5.9
64	64.1	7.281	33.520	6.73	0.23	26.215	0.120	1479.	5.7
66	66.0	7.379	33.558	6.73	0.23	26.231	0.123	1479.	5.5
68	67.9	7.377	33.565	6.70	0.22	26.237	0.127	1479.	5.2
70	70.2	7.415	33.589	6.68	0.21	26.250	0.131	1480.	4.9
72	71.9	7.625	33.644	6.58	0.20	26.264	0.134	1481.	4.4
74	74.0	8.097	33.768	6.45	0.19	26.292	0.137	1483.	4.1
76	75.9	8.481	33.852	6.34	0.18	26.300	0.141	1484.	3.8
78	78.2	8.688	33.904	6.29	0.18	26.309	0.145	1485.	3.5
80	80.0	8.739	33.904	6.21	0.18	26.301	0.148	1485.	3.2
81	81.9	8.805	33.924	6.17	0.17	26.307	0.151	1485.	3.1
84	84.3	8.877	33.951	6.15	0.17	26.316	0.155	1486.	3.8
85	85.8	8.936	33.973	6.14	0.17	26.324	0.158	1486.	4.4
88	88.1	8.954	33.989	6.15	0.17	26.334	0.162	1486.	4.8
89	89.7	8.846	33.985	6.15	0.17	26.348	0.164	1486.	5.1
92	92.0	8.906	34.048	6.10	0.18	26.388	0.168	1486.	5.7
94	94.1	8.948	34.072	6.06	0.18	26.400	0.171	1486.	6.5
95	95.9	8.979	34.086	6.02	0.19	26.406	0.174	1487.	7.0
98	98.1	9.244	34.172	5.95	0.18	26.431	0.178	1488.	7.4
99	99.9	9.782	34.367	5.83	0.18	26.495	0.181	1490.	7.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	28	02 FEB 1982	2352	40°31.6'N	67°42.1'W	145

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
101	102.0	10.892	34.709	5.61	0.17	26.569	0.184	1494.	7.8
103	103.9	11.318	34.823	5.52	0.17	26.580	0.187	1496.	7.6
105	106.1	11.682	34.977	5.40	0.18	26.632	0.190	1497.	7.1
107	108.0	12.015	35.121	5.27	0.19	26.681	0.193	1499.	6.4
109	109.9	12.005	35.098	5.18	0.19	26.665	0.195	1499.	5.7
111	112.0	12.045	35.130	5.12	0.19	26.682	0.198	1499.	5.4
113	114.0	12.081	35.175	5.05	0.20	26.710	0.201	1499.	4.6
115	116.0	12.060	35.197	5.01	0.21	26.732	0.204	1499.	4.1
117	118.1	12.056	35.200	5.03	0.21	26.734	0.206	1499.	3.9
119	119.9	12.031	35.205	5.03	0.21	26.743	0.209	1499.	3.1
122	122.2	12.028	35.203	5.02	0.21	26.742	0.212	1499.	2.0
123	123.8	12.021	35.204	5.00	0.21	26.744	0.214	1499.	1.3
125	126.0	12.037	35.203	5.01	0.21	26.740	0.217	1499.	1.2
127	128.0	12.039	35.203	5.00	0.21	26.740	0.220	1499.	1.1
129	129.9	12.043	35.203	5.00	0.22	26.739	0.222	1499.	1.4
130	131.2	12.017	35.206	5.01	0.22	26.746	0.224	1499.	1.7
131	131.9	12.009	35.205	5.03	0.22	26.747	0.225	1499.	2.3
132	133.0	12.000	35.207	5.01	0.21	26.750	0.226	1499.	3.4
133	134.0	12.004	35.205	4.98	0.22	26.748	0.227	1499.	4.9
134	135.0	11.995	35.206	4.99	0.22	26.751	0.229	1499.	4.9
135	136.0	11.964	35.206	4.98	0.22	26.757	0.230	1499.	4.9
136	137.0	11.827	35.208	5.00	0.22	26.785	0.231	1499.	4.9
137	137.7	11.650	35.204	5.02	0.22	26.815	0.232	1498.	4.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	29	03 FEB 1982	0004	40°31.7'N	67°42.5'W	265

DEPTH m	PRESS dbsr	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.5	5.310	32.963	7.10	0.22	26.026	0.000	1469.	0.4
4	4.2	5.298	32.962	7.07	0.21	26.026	0.003	1469.	0.4
6	6.2	5.295	32.962	7.03	0.21	26.026	0.007	1469.	0.4
8	8.0	5.294	32.961	7.00	0.21	26.026	0.011	1469.	0.4
10	10.0	5.292	32.961	7.00	0.21	26.026	0.015	1469.	0.4
12	11.8	5.288	32.960	7.03	0.21	26.026	0.018	1469.	0.4
14	14.0	5.284	32.960	7.09	0.21	26.026	0.023	1470.	0.3
16	16.1	5.282	32.960	7.11	0.21	26.026	0.027	1470.	0.4
18	18.0	5.282	32.960	7.13	0.21	26.026	0.031	1470.	0.5
20	19.9	5.284	32.960	7.13	0.21	26.027	0.034	1470.	0.5
22	22.1	5.287	32.961	7.13	0.21	26.026	0.039	1470.	0.6
24	24.0	5.290	32.962	7.12	0.21	26.027	0.043	1470.	0.6
26	26.1	5.299	32.964	7.11	0.21	26.027	0.047	1470.	0.5
28	27.9	5.295	32.963	7.09	0.21	26.027	0.050	1470.	0.3
30	30.1	5.301	32.964	7.09	0.21	26.028	0.055	1470.	0.1
32	31.9	5.296	32.964	7.07	0.21	26.028	0.058	1470.	-0.2
34	34.0	5.294	32.963	7.11	0.21	26.027	0.062	1470.	0.7
36	36.1	5.287	32.961	7.13	0.21	26.027	0.066	1470.	1.1
38	38.0	5.299	32.963	7.13	0.21	26.027	0.070	1470.	1.5
40	39.9	5.304	32.965	7.13	0.21	26.028	0.074	1470.	1.9
42	42.2	5.356	32.979	7.12	0.21	26.033	0.078	1470.	2.5
44	43.9	5.390	32.986	7.09	0.21	26.034	0.082	1470.	2.9
46	46.0	5.466	33.005	7.08	0.21	26.041	0.086	1471.	3.5
48	48.1	5.579	33.032	7.08	0.21	26.049	0.090	1471.	4.0
50	49.9	5.692	33.063	7.06	0.21	26.060	0.094	1472.	4.5
52	52.0	5.857	33.100	7.05	0.22	26.069	0.098	1473.	5.0
54	54.0	6.075	33.166	7.03	0.22	26.095	0.101	1474.	5.3
56	55.9	6.342	33.232	7.00	0.22	26.113	0.105	1475.	5.6
58	58.0	6.626	33.309	6.97	0.23	26.137	0.109	1476.	5.8
59	59.8	6.845	33.379	6.94	0.23	26.163	0.112	1477.	5.7
62	62.1	7.020	33.428	6.90	0.24	26.178	0.117	1478.	5.5
63	63.8	7.148	33.484	6.88	0.23	26.204	0.120	1478.	5.3
66	66.0	7.278	33.532	6.84	0.23	26.225	0.124	1479.	5.1
68	68.1	7.382	33.556	6.81	0.22	26.229	0.127	1479.	4.9
69	69.9	7.504	33.594	6.76	0.21	26.241	0.131	1480.	4.6
72	72.1	7.741	33.661	6.67	0.20	26.260	0.135	1481.	4.3
74	74.0	8.050	33.741	6.61	0.19	26.278	0.138	1482.	4.0
75	75.9	8.251	33.797	6.52	0.19	26.292	0.141	1483.	3.8
78	78.0	8.506	33.840	6.45	0.18	26.287	0.145	1484.	3.5
79	79.8	8.634	33.875	6.40	0.18	26.295	0.148	1485.	3.3
82	82.2	8.704	33.894	6.34	0.17	26.299	0.152	1485.	3.5
83	83.9	8.765	33.916	6.29	0.17	26.306	0.155	1485.	4.2
86	86.1	8.816	33.940	6.27	0.17	26.317	0.159	1486.	4.8
88	88.0	8.850	33.963	6.26	0.17	26.330	0.162	1486.	5.0
90	90.0	8.732	33.965	6.24	0.17	26.350	0.166	1485.	5.1
91	92.0	8.871	34.046	6.16	0.17	26.392	0.169	1486.	5.1
93	94.0	8.927	34.071	6.12	0.18	26.402	0.172	1486.	5.8
95	96.0	8.938	34.075	6.09	0.18	26.404	0.175	1486.	6.4
97	97.8	8.991	34.091	6.05	0.19	26.408	0.178	1487.	6.8
99	100.1	9.440	34.221	5.98	0.19	26.437	0.182	1488.	7.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	29	03 FEB 1982	0004	40°31.7'N	67°42.5'W	265

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
101	101.9	10.401	34.549	5.84	0.18	26.531	0.185	1492.	8.0
103	103.8	10.977	34.723	5.74	0.17	26.564	0.188	1495.	8.1
105	106.1	11.415	34.873	5.61	0.17	26.601	0.191	1496.	7.8
107	108.0	11.770	35.069	5.45	0.18	26.687	0.194	1498.	7.1
109	110.0	11.941	35.109	5.34	0.19	26.685	0.196	1499.	6.1
111	112.1	11.966	35.127	5.28	0.20	26.694	0.199	1499.	5.3
113	114.0	11.967	35.147	5.23	0.20	26.710	0.202	1499.	4.4
115	116.1	11.975	35.152	5.21	0.20	26.712	0.205	1499.	3.4
117	117.8	11.976	35.163	5.19	0.20	26.721	0.207	1499.	3.6
119	120.1	11.961	35.163	5.18	0.20	26.724	0.210	1499.	3.6
121	122.0	11.926	35.172	5.17	0.21	26.737	0.213	1499.	3.5
123	124.2	11.909	35.175	5.16	0.21	26.743	0.215	1499.	3.6
125	125.9	11.883	35.183	5.14	0.21	26.754	0.218	1499.	3.5
127	127.8	11.858	35.191	5.12	0.21	26.765	0.220	1499.	3.6
129	130.2	11.853	35.194	5.10	0.21	26.768	0.223	1499.	3.6
131	131.8	11.843	35.195	5.07	0.21	26.771	0.225	1499.	3.7
133	134.1	11.814	35.201	5.06	0.22	26.782	0.228	1499.	3.7
135	135.9	11.752	35.198	5.04	0.22	26.791	0.231	1498.	3.6
137	138.1	11.695	35.210	5.02	0.22	26.811	0.233	1498.	3.6
139	140.1	11.769	35.234	4.98	0.22	26.816	0.236	1499.	3.4
141	141.9	11.783	35.243	4.93	0.23	26.820	0.238	1499.	3.2
143	143.8	11.777	35.243	4.91	0.23	26.821	0.241	1499.	3.1
145	146.0	11.735	35.242	4.89	0.23	26.828	0.243	1499.	3.0
147	148.2	11.672	35.226	4.89	0.22	26.828	0.246	1498.	3.2
149	149.9	11.595	35.227	4.88	0.21	26.843	0.248	1498.	3.3
151	152.1	11.589	35.236	4.87	0.21	26.851	0.251	1498.	3.5
153	153.9	11.566	35.236	4.86	0.21	26.856	0.253	1498.	3.8
155	155.9	11.519	35.234	4.84	0.21	26.863	0.256	1498.	4.0
157	158.1	11.468	35.229	4.83	0.21	26.868	0.258	1498.	4.0
159	159.8	11.340	35.220	4.82	0.21	26.885	0.260	1497.	3.9
161	162.1	11.272	35.230	4.81	0.21	26.905	0.263	1497.	3.8
163	163.9	11.249	35.230	4.78	0.21	26.910	0.265	1497.	3.6
165	166.0	11.234	35.232	4.77	0.21	26.914	0.268	1497.	3.2
167	167.8	11.229	35.235	4.76	0.21	26.917	0.270	1497.	2.6
169	169.9	11.214	35.238	4.74	0.20	26.922	0.272	1497.	2.0
171	172.2	11.197	35.236	4.73	0.20	26.924	0.275	1497.	1.8
173	174.0	11.193	35.236	4.71	0.20	26.924	0.277	1497.	1.5
175	176.2	11.196	35.237	4.71	0.20	26.925	0.280	1497.	1.3
177	177.9	11.195	35.238	4.70	0.20	26.926	0.282	1497.	1.2
179	179.8	11.187	35.236	4.70	0.20	26.925	0.284	1497.	1.4
181	181.9	11.178	35.235	4.68	0.20	26.926	0.286	1497.	2.3
183	184.2	11.172	35.236	4.68	0.20	26.928	0.289	1497.	2.8
185	185.9	11.162	35.236	4.68	0.20	26.930	0.291	1497.	3.2
187	188.0	11.113	35.232	4.68	0.20	26.936	0.293	1497.	3.4
189	190.2	10.962	35.231	4.67	0.20	26.963	0.296	1497.	4.0
191	191.9	10.928	35.224	4.64	0.20	26.964	0.298	1497.	4.7
193	194.0	10.883	35.225	4.61	0.20	26.973	0.300	1496.	5.1
195	196.1	10.841	35.218	4.57	0.20	26.975	0.302	1496.	5.2
197	197.9	10.566	35.202	4.61	0.21	27.012	0.304	1495.	5.1
199	199.8	10.223	35.174	4.62	0.21	27.050	0.306	1494.	5.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	29	03 FEB 1982	0004	40°31.7'N	67°42.5'W	265

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
201	201.8	10.141	35.160	4.63	0.21	27.053	0.308	1494.	5.0
203	204.2	10.015	35.145	4.66	0.21	27.063	0.311	1493.	4.9
205	205.9	9.840	35.107	4.69	0.22	27.063	0.313	1493.	4.5
207	208.0	9.759	35.112	4.73	0.23	27.081	0.315	1493.	4.3
209	210.1	9.656	35.104	4.74	0.23	27.092	0.317	1492.	4.3
211	212.2	9.424	35.082	4.77	0.24	27.114	0.319	1491.	4.3
213	213.9	9.329	35.077	4.77	0.25	27.125	0.321	1491.	4.2
215	216.2	9.301	35.079	4.78	0.26	27.131	0.323	1491.	4.1
217	217.9	9.292	35.079	4.77	0.26	27.133	0.324	1491.	3.9
219	219.9	9.184	35.067	4.78	0.28	27.141	0.326	1491.	3.6
221	221.8	9.044	35.052	4.80	0.29	27.152	0.328	1490.	3.3
223	224.2	8.969	35.061	4.80	0.29	27.171	0.330	1490.	3.1
224	225.9	8.981	35.065	4.80	0.29	27.173	0.332	1490.	3.0
226	227.8	8.968	35.059	4.80	0.30	27.170	0.334	1490.	2.8
229	230.1	8.964	35.059	4.79	0.30	27.171	0.336	1490.	2.5
231	232.1	8.903	35.049	4.79	0.30	27.173	0.338	1490.	2.3
233	234.1	8.833	35.051	4.80	0.31	27.185	0.340	1489.	2.5
234	235.8	8.810	35.050	4.79	0.30	27.188	0.341	1489.	2.3
237	238.1	8.776	35.047	4.79	0.30	27.191	0.343	1489.	2.7
239	240.0	8.761	35.047	4.79	0.30	27.193	0.345	1489.	3.1
240	241.3	8.751	35.047	4.79	0.29	27.195	0.346	1489.	3.6
240	242.0	8.722	35.022	4.78	0.30	27.180	0.347	1489.	4.3
242	243.0	8.598	35.038	4.79	0.30	27.212	0.348	1489.	4.9
243	244.0	8.516	35.040	4.81	0.31	27.227	0.349	1488.	5.2
244	245.1	8.429	35.036	4.82	0.31	27.237	0.350	1488.	5.1
244	245.9	8.409	35.036	4.80	0.31	27.240	0.350	1488.	4.8
246	247.0	8.389	35.037	4.81	0.32	27.244	0.351	1488.	4.1
247	248.1	8.361	35.029	4.82	0.32	27.242	0.352	1488.	4.0
247	249.0	8.333	35.031	4.82	0.33	27.247	0.353	1488.	3.9
249	250.1	8.312	35.032	4.84	0.33	27.252	0.354	1488.	3.9
249	251.0	8.197	35.027	4.82	0.34	27.265	0.355	1487.	3.9
250	252.0	8.185	35.031	4.84	0.34	27.270	0.356	1487.	3.9
251	252.7	8.188	35.032	4.84	0.34	27.271	0.356	1487.	3.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	30	03 FEB 1982	0021	40°31.8'N	67°43.0'W	248

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
4	4.4	5.269	32.957	7.05	0.21	26.025	0.000	1469.	0.4
6	5.9	5.269	32.957	7.05	0.21	26.025	0.003	1469.	0.4
8	7.9	5.270	32.957	7.04	0.21	26.025	0.007	1469.	0.4
10	10.2	5.269	32.957	7.05	0.21	26.025	0.012	1469.	0.4
12	12.0	5.268	32.957	7.03	0.21	26.025	0.015	1469.	0.4
14	13.9	5.270	32.957	7.03	0.21	26.025	0.019	1469.	0.3
16	16.1	5.270	32.957	7.04	0.21	26.026	0.023	1469.	0.3
18	17.9	5.271	32.958	7.06	0.21	26.026	0.027	1470.	0.3
20	20.0	5.274	32.958	7.04	0.21	26.025	0.031	1470.	0.3
22	22.0	5.269	32.957	7.05	0.21	26.025	0.035	1470.	0.5
24	23.9	5.271	32.957	7.04	0.21	26.026	0.039	1470.	0.5
26	26.1	5.272	32.958	7.04	0.21	26.026	0.043	1470.	0.6
28	27.8	5.274	32.958	7.04	0.21	26.026	0.046	1470.	0.7
30	30.2	5.281	32.960	7.02	0.21	26.027	0.051	1470.	0.7
32	32.0	5.290	32.961	7.02	0.21	26.027	0.054	1470.	1.0
34	33.9	5.285	32.961	7.03	0.21	26.027	0.058	1470.	1.2
36	36.2	5.290	32.963	7.05	0.21	26.028	0.063	1470.	1.5
38	37.8	5.295	32.964	7.03	0.21	26.028	0.066	1470.	1.7
40	40.2	5.331	32.975	7.01	0.21	26.032	0.071	1470.	2.1
42	42.0	5.352	32.978	7.01	0.21	26.033	0.074	1470.	2.4
44	43.8	5.438	32.998	6.99	0.21	26.038	0.078	1471.	2.6
46	46.2	5.497	33.011	6.96	0.21	26.042	0.083	1471.	3.0
47	47.8	5.588	33.038	6.97	0.21	26.053	0.086	1471.	3.6
50	50.1	5.684	33.056	6.94	0.21	26.055	0.090	1472.	4.2
52	52.1	5.763	33.077	6.91	0.21	26.062	0.094	1472.	4.7
54	53.9	5.924	33.118	6.90	0.21	26.075	0.097	1473.	5.1
56	56.3	6.241	33.213	6.84	0.21	26.110	0.102	1474.	5.2
58	57.8	6.509	33.283	6.81	0.21	26.132	0.105	1476.	5.4
60	60.3	6.744	33.346	6.82	0.23	26.151	0.110	1477.	5.4
62	61.9	6.851	33.385	6.83	0.23	26.167	0.113	1477.	5.1
64	64.2	6.959	33.412	6.85	0.23	26.173	0.117	1478.	4.7
66	65.9	7.065	33.460	6.84	0.23	26.197	0.120	1478.	4.7
68	67.9	7.153	33.484	6.82	0.22	26.204	0.124	1478.	4.7
69	69.9	7.196	33.503	6.77	0.22	26.213	0.127	1479.	4.8
72	72.2	7.431	33.564	6.67	0.21	26.228	0.131	1480.	4.7
73	73.9	7.788	33.661	6.55	0.20	26.254	0.134	1481.	4.4
76	76.0	8.201	33.759	6.42	0.19	26.270	0.138	1483.	4.3
77	77.9	8.332	33.796	6.31	0.18	26.279	0.141	1484.	4.1
80	80.1	8.494	33.832	6.26	0.18	26.282	0.145	1484.	4.1
81	81.8	8.574	33.855	6.22	0.17	26.288	0.148	1485.	4.6
83	83.7	8.603	33.869	6.17	0.17	26.295	0.152	1485.	5.0
86	86.1	8.710	33.909	6.15	0.17	26.310	0.156	1485.	5.2
87	87.8	8.696	33.939	6.13	0.17	26.336	0.159	1485.	5.3
90	90.3	8.818	34.030	6.06	0.17	26.388	0.163	1486.	5.2
91	91.8	8.833	34.039	5.98	0.18	26.392	0.165	1486.	5.7
93	94.0	8.857	34.049	5.91	0.18	26.396	0.169	1486.	6.4
96	96.1	8.917	34.069	5.87	0.18	26.403	0.172	1486.	7.1
97	97.8	9.028	34.099	5.81	0.19	26.409	0.175	1487.	7.7
99	100.0	9.921	34.393	5.66	0.18	26.492	0.178	1490.	8.1
101	102.0	11.059	34.756	5.47	0.17	26.575	0.181	1495.	8.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	30	03 FEB 1982	0021	40°31.8'N	67°43.0'W	248

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
104	104.1	11.621	34.962	5.36	0.18	26.632	0.185	1497.	8.1
105	105.8	11.788	35.036	5.25	0.18	26.658	0.187	1498.	7.5
108	108.2	11.896	35.095	5.14	0.19	26.683	0.190	1498.	6.3
109	109.9	11.941	35.122	5.01	0.19	26.696	0.193	1499.	5.2
111	111.9	11.962	35.142	4.99	0.20	26.707	0.195	1499.	4.3
113	114.0	11.959	35.152	4.99	0.20	26.716	0.198	1499.	3.7
115	116.0	11.952	35.159	5.00	0.20	26.722	0.201	1499.	3.3
117	118.1	11.953	35.167	5.03	0.20	26.728	0.204	1499.	3.0
119	120.2	11.958	35.171	4.99	0.20	26.730	0.206	1499.	2.8
121	121.9	11.963	35.176	4.95	0.20	26.733	0.209	1499.	2.9
123	124.0	11.963	35.186	4.94	0.21	26.741	0.211	1499.	3.1
125	126.0	11.967	35.193	4.91	0.21	26.746	0.214	1499.	3.3
127	128.0	11.971	35.199	4.93	0.21	26.750	0.217	1499.	3.3
129	130.2	11.903	35.202	4.91	0.21	26.765	0.220	1499.	3.3
131	132.0	11.862	35.201	4.83	0.21	26.772	0.222	1499.	3.2
133	133.9	11.836	35.202	4.80	0.21	26.778	0.225	1499.	3.1
135	135.8	11.826	35.203	4.77	0.21	26.781	0.227	1499.	3.1
137	138.1	11.818	35.209	4.78	0.22	26.787	0.230	1499.	3.1
139	140.1	11.816	35.213	4.78	0.21	26.790	0.232	1499.	3.2
141	141.9	11.846	35.227	4.74	0.22	26.795	0.235	1499.	3.2
143	144.1	11.793	35.231	4.77	0.22	26.809	0.238	1499.	3.3
145	146.0	11.745	35.231	4.74	0.22	26.818	0.240	1499.	3.9
147	147.9	11.736	35.232	4.70	0.22	26.820	0.242	1499.	4.6
149	150.1	11.695	35.230	4.71	0.22	26.826	0.245	1499.	4.9
151	152.0	11.654	35.229	4.68	0.22	26.833	0.247	1498.	5.0
153	154.2	11.382	35.222	4.72	0.22	26.879	0.250	1498.	4.9
155	156.0	11.226	35.223	4.68	0.21	26.908	0.252	1497.	4.7
157	157.9	11.192	35.221	4.64	0.21	26.913	0.255	1497.	4.3
159	159.9	11.187	35.221	4.62	0.21	26.914	0.257	1497.	3.5
161	162.1	11.186	35.221	4.64	0.21	26.914	0.259	1497.	2.2
163	164.0	11.187	35.220	4.64	0.21	26.914	0.262	1497.	1.4
165	165.9	11.181	35.220	4.63	0.21	26.914	0.264	1497.	1.7
167	168.1	11.180	35.220	4.63	0.21	26.915	0.266	1497.	2.1
169	169.7	11.174	35.221	4.61	0.21	26.916	0.268	1497.	2.4
171	172.0	11.153	35.223	4.61	0.21	26.922	0.271	1497.	2.6
173	174.1	11.120	35.228	4.60	0.21	26.932	0.273	1497.	2.9
175	176.0	11.123	35.234	4.58	0.20	26.936	0.276	1497.	3.2
177	178.1	11.118	35.236	4.56	0.20	26.938	0.278	1497.	3.7
179	180.0	11.096	35.238	4.56	0.20	26.944	0.280	1497.	4.2
181	182.0	11.029	35.237	4.53	0.20	26.955	0.282	1497.	4.6
183	184.0	10.929	35.234	4.52	0.20	26.971	0.285	1496.	5.0
185	186.2	10.711	35.215	4.54	0.20	26.995	0.287	1496.	5.1
187	188.0	10.540	35.203	4.54	0.21	27.017	0.289	1495.	5.1
189	189.9	10.411	35.193	4.55	0.21	27.032	0.291	1495.	4.8
191	192.0	10.278	35.181	4.54	0.20	27.046	0.293	1494.	4.4
193	194.1	10.110	35.155	4.56	0.21	27.055	0.296	1494.	4.0
195	196.1	10.008	35.138	4.59	0.23	27.059	0.298	1493.	3.7
197	197.8	9.901	35.119	4.63	0.24	27.062	0.299	1493.	3.4
199	200.2	9.799	35.110	4.65	0.25	27.073	0.302	1493.	3.6
201	201.9	9.691	35.097	4.68	0.25	27.080	0.303	1492.	3.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	30	03 FEB 1982	0021	40°31.8'N	67°43.0'W	248

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
203	204.0	9.637	35.092	4.68	0.26	27.086	0.306	1492.	4.1
205	205.8	9.523	35.072	4.70	0.26	27.089	0.307	1492.	4.2
207	208.1	9.312	35.062	4.72	0.27	27.116	0.310	1491.	4.3
209	209.8	9.268	35.060	4.72	0.27	27.122	0.311	1491.	4.2
211	212.0	9.141	35.055	4.74	0.27	27.139	0.314	1490.	4.1
213	214.0	9.075	35.052	4.73	0.28	27.147	0.315	1490.	4.0
215	216.0	9.039	35.053	4.70	0.28	27.154	0.317	1490.	3.7
217	218.0	8.972	35.045	4.68	0.28	27.158	0.319	1490.	3.6
219	219.9	8.937	35.042	4.67	0.27	27.162	0.321	1490.	3.3
221	222.0	8.820	35.038	4.69	0.27	27.177	0.323	1489.	3.1
223	223.9	8.753	35.038	4.71	0.28	27.188	0.325	1489.	2.8
225	226.0	8.753	35.039	4.70	0.29	27.188	0.327	1489.	2.5
227	228.0	8.756	35.039	4.69	0.29	27.188	0.328	1489.	2.1
229	229.9	8.765	35.040	4.70	0.29	27.187	0.330	1489.	1.7
231	232.0	8.761	35.040	4.71	0.29	27.188	0.332	1489.	2.2
233	234.0	8.755	35.039	4.73	0.30	27.189	0.334	1489.	3.4
235	236.0	8.727	35.038	4.75	0.30	27.192	0.336	1489.	4.3
237	238.1	8.660	35.036	4.76	0.30	27.200	0.338	1489.	4.9
238	239.9	8.514	35.030	4.77	0.30	27.219	0.339	1488.	5.3
241	242.1	8.214	35.025	4.79	0.31	27.261	0.341	1487.	5.3
242	243.9	8.078	35.023	4.78	0.33	27.281	0.343	1487.	5.3
245	246.1	7.975	35.024	4.82	0.35	27.297	0.345	1486.	5.3
246	247.5	7.964	35.025	4.84	0.34	27.299	0.346	1486.	5.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	31	03 FEB 1982	0053	40°31.5'N	67°43.1'W	195

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
4	4.2	5.490	32.994	7.18	0.22	26.029	0.000	1470.	0.8
6	6.1	5.487	33.003	7.07	0.22	26.037	0.004	1470.	0.8
8	8.0	5.473	33.000	7.09	0.22	26.035	0.008	1470.	0.8
10	9.8	5.469	32.999	7.05	0.22	26.035	0.011	1470.	0.8
12	12.0	5.472	33.000	7.03	0.22	26.036	0.015	1470.	0.8
14	13.7	5.473	33.000	7.07	0.22	26.036	0.019	1470.	0.2
16	16.3	5.473	33.000	7.08	0.22	26.036	0.024	1470.	0.5
18	18.0	5.472	33.000	7.10	0.22	26.036	0.027	1470.	0.6
20	20.0	5.472	33.000	7.09	0.22	26.036	0.031	1470.	0.6
22	21.7	5.477	33.001	7.10	0.22	26.036	0.034	1470.	0.7
24	24.3	5.476	33.001	7.10	0.22	26.037	0.039	1471.	0.6
26	26.0	5.473	33.002	7.08	0.21	26.037	0.043	1471.	0.7
28	27.9	5.472	33.002	7.08	0.21	26.037	0.047	1471.	0.7
30	30.2	5.476	33.003	7.09	0.21	26.038	0.051	1471.	1.0
32	31.9	5.475	33.001	7.06	0.21	26.037	0.054	1471.	1.6
34	34.2	5.482	33.005	7.09	0.21	26.039	0.059	1471.	2.0
36	36.0	5.479	33.004	7.08	0.21	26.038	0.062	1471.	2.6
38	38.0	5.538	33.021	7.08	0.21	26.045	0.066	1471.	3.0
40	39.9	5.599	33.041	7.11	0.21	26.054	0.070	1471.	3.1
42	42.1	5.722	33.065	7.08	0.22	26.058	0.074	1472.	3.3
44	44.2	5.916	33.122	7.06	0.22	26.079	0.078	1473.	4.2
46	45.9	6.002	33.132	7.06	0.22	26.077	0.082	1473.	4.8
48	48.1	6.004	33.134	7.07	0.22	26.078	0.086	1473.	5.4
50	50.0	6.146	33.174	7.04	0.22	26.092	0.090	1474.	6.0
52	52.0	6.512	33.311	6.98	0.22	26.153	0.093	1475.	6.1
54	53.9	6.904	33.406	6.93	0.23	26.176	0.097	1477.	6.2
56	56.2	7.118	33.481	6.91	0.23	26.206	0.101	1478.	6.1
58	57.8	7.254	33.549	6.88	0.23	26.241	0.104	1479.	6.1
60	60.1	7.328	33.547	6.85	0.22	26.229	0.108	1479.	6.0
62	62.0	7.380	33.572	6.81	0.22	26.242	0.112	1479.	6.1
64	64.0	7.745	33.679	6.69	0.20	26.274	0.115	1481.	6.1
66	66.0	8.300	33.847	6.58	0.19	26.324	0.118	1483.	5.9
68	68.0	8.992	34.030	6.40	0.18	26.360	0.122	1486.	6.0
69	69.8	9.214	34.089	6.32	0.17	26.371	0.125	1487.	5.5
72	72.1	9.336	34.125	6.25	0.17	26.379	0.129	1488.	4.8
74	74.1	9.460	34.163	6.19	0.17	26.389	0.132	1488.	3.9
75	75.9	9.576	34.197	6.16	0.17	26.397	0.135	1489.	3.7
78	78.2	9.722	34.245	6.13	0.17	26.410	0.139	1489.	3.8
79	79.9	9.761	34.253	6.11	0.17	26.409	0.141	1489.	4.1
82	82.1	9.835	34.274	6.08	0.17	26.414	0.145	1490.	4.1
83	83.9	10.041	34.353	6.03	0.16	26.440	0.148	1491.	4.1
86	86.0	10.174	34.397	5.97	0.16	26.452	0.151	1491.	4.6
87	87.9	10.346	34.459	5.92	0.16	26.470	0.154	1492.	5.6
90	90.1	10.416	34.474	5.90	0.16	26.470	0.158	1492.	6.2
92	92.1	10.379	34.470	5.90	0.16	26.473	0.161	1492.	6.5
93	93.7	10.606	34.589	5.81	0.16	26.526	0.163	1493.	6.9
96	96.1	11.278	34.842	5.67	0.17	26.602	0.167	1496.	7.0
98	98.1	11.571	34.942	5.52	0.17	26.626	0.170	1497.	6.8
99	100.0	11.754	35.005	5.40	0.18	26.640	0.172	1498.	6.3
101	102.1	11.964	35.096	5.34	0.18	26.671	0.175	1498.	5.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	31	03 FEB 1982	0053	40°31.5'N	67°43.1'W	195

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
103	103.7	11.959	35.100	5.27	0.18	26.675	0.177	1499.	4.1
106	106.2	11.927	35.100	5.26	0.19	26.682	0.181	1498.	3.5
107	107.8	11.910	35.097	5.23	0.19	26.683	0.183	1498.	3.2
109	110.1	11.920	35.105	5.24	0.19	26.686	0.186	1498.	3.2
111	111.9	11.895	35.105	5.24	0.19	26.691	0.189	1498.	3.7
113	114.0	11.876	35.106	5.22	0.19	26.696	0.192	1498.	4.2
115	116.0	11.901	35.133	5.19	0.20	26.712	0.194	1499.	4.4
117	117.9	11.904	35.159	5.14	0.20	26.731	0.197	1499.	4.5
119	120.1	11.936	35.196	5.10	0.21	26.754	0.200	1499.	4.4
121	121.8	11.955	35.211	5.05	0.21	26.762	0.202	1499.	4.1
123	124.1	11.949	35.219	5.03	0.22	26.770	0.205	1499.	3.9
125	125.8	11.928	35.219	4.99	0.22	26.774	0.207	1499.	3.6
127	128.2	11.903	35.220	4.99	0.22	26.779	0.210	1499.	3.2
129	129.9	11.830	35.208	4.97	0.22	26.784	0.213	1499.	3.2
131	132.1	11.778	35.217	4.95	0.22	26.800	0.215	1498.	3.2
133	133.9	11.769	35.220	4.92	0.21	26.805	0.218	1498.	3.2
135	136.1	11.775	35.217	4.92	0.22	26.801	0.220	1499.	3.1
137	137.9	11.722	35.218	4.91	0.21	26.812	0.223	1498.	2.9
139	140.0	11.701	35.223	4.90	0.21	26.820	0.225	1498.	2.7
141	142.2	11.675	35.224	4.89	0.21	26.826	0.228	1498.	2.7
143	143.9	11.669	35.225	4.87	0.21	26.828	0.230	1498.	2.7
145	145.9	11.664	35.224	4.87	0.21	26.827	0.233	1498.	2.4
147	148.0	11.638	35.225	4.86	0.21	26.833	0.235	1498.	2.2
149	150.2	11.617	35.226	4.86	0.22	26.838	0.238	1498.	2.3
151	151.8	11.604	35.227	4.84	0.21	26.841	0.240	1498.	4.0
153	153.9	11.599	35.225	4.81	0.21	26.841	0.243	1498.	5.1
155	156.2	11.523	35.213	4.79	0.22	26.845	0.245	1498.	5.7
157	158.0	11.308	35.167	4.78	0.22	26.850	0.248	1497.	6.0
159	160.0	10.779	35.173	4.80	0.21	26.950	0.250	1495.	6.1
161	162.0	10.698	35.185	4.74	0.21	26.975	0.252	1495.	6.0
163	163.9	10.683	35.186	4.72	0.21	26.978	0.254	1495.	5.5
165	166.0	10.660	35.179	4.72	0.21	26.977	0.257	1495.	4.5
167	168.0	10.611	35.179	4.73	0.21	26.985	0.259	1495.	2.9
169	170.0	10.590	35.187	4.72	0.21	26.996	0.261	1495.	2.5
171	171.9	10.565	35.177	4.71	0.21	26.992	0.263	1495.	2.5
173	174.0	10.571	35.187	4.71	0.21	26.999	0.265	1495.	2.6
175	176.1	10.522	35.175	4.71	0.21	26.998	0.268	1495.	2.5
177	178.2	10.433	35.164	4.72	0.22	27.005	0.270	1495.	2.7
179	179.8	10.416	35.162	4.70	0.22	27.007	0.272	1494.	3.0
180	181.3	10.393	35.167	4.70	0.22	27.015	0.273	1494.	3.0
181	181.8	10.387	35.168	4.69	0.22	27.017	0.274	1494.	3.0
182	183.0	10.335	35.166	4.70	0.22	27.024	0.275	1494.	3.0
183	184.0	10.340	35.167	4.69	0.22	27.024	0.276	1494.	3.0

STA 32 DAY: 3 TIME: 0120

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	5.0	78.6	7.0
1.0	5.0	78.6	7.1
1.9	4.9	79.6	7.1
4.9	4.9	80.6	7.3
6.8	4.9	81.5	7.4
9.7	4.9	81.5	7.5
11.7	4.9	81.5	7.7
15.6	4.9	82.5	7.9
19.5	4.9	82.5	8.0
22.4	4.9	82.5	8.1
26.3	4.9	82.5	8.2
30.2	4.9	83.5	8.3
33.1	4.9	83.5	8.4
36.0	4.9	84.4	8.5
39.9	4.9	85.4	8.7
41.8	4.9	85.4	8.8
43.8	4.9	86.4	8.9
45.7	4.9	86.4	9.0
47.6	4.9	86.4	9.1
48.6	4.9	87.3	9.1
50.6	5.0	88.3	9.2
51.5	5.0	89.2	9.3
52.5	5.0	90.2	9.3
54.4	5.0	92.1	9.4
56.4	5.0	93.1	9.4
58.3	5.1	94.1	9.5
59.3	5.1	96.0	9.5
60.2	5.2	97.0	9.7
61.2	5.3	97.9	9.8
63.1	5.4	98.9	9.9
64.1	5.4	99.9	10.1
64.1	5.4	101.8	10.2
64.1	5.5	103.7	10.3
65.1	5.5	104.7	10.4
65.1	5.7	105.6	10.6
66.0	5.8	105.6	10.7
66.0	5.9	106.6	10.9
67.0	6.0	107.6	11.1
68.0	6.0	107.6	11.1
69.0	6.0	107.6	11.2
69.9	6.0	108.5	11.2
71.9	6.1	110.5	11.2
72.8	6.2	111.4	11.2
73.8	6.4	113.4	11.3
73.8	6.5	115.3	11.3
74.8	6.5	117.2	11.3
75.7	6.6	118.2	11.2
76.7	6.7	118.2	11.1
77.7	6.8	118.2	11.1
78.6	6.9		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	33	03 FEB 1982	0132	40°33.8'N	67°45.4'W	103

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
5	4.8	4.897	32.844	7.21	0.21	25.978	0.000	1468.	0.5
6	5.7	4.898	32.844	7.19	0.21	25.977	0.002	1468.	0.5
8	7.9	4.898	32.844	7.17	0.21	25.977	0.006	1468.	0.5
10	10.0	4.895	32.844	7.19	0.21	25.978	0.011	1468.	0.5
12	12.0	4.892	32.844	7.19	0.21	25.978	0.015	1468.	0.5
14	13.9	4.890	32.844	7.21	0.21	25.978	0.018	1468.	0.4
16	16.2	4.890	32.844	7.23	0.21	25.978	0.023	1468.	0.3
18	17.9	4.890	32.844	7.24	0.21	25.978	0.027	1468.	-0.1
20	20.1	4.890	32.844	7.22	0.21	25.978	0.031	1468.	-0.1
22	21.9	4.891	32.844	7.25	0.21	25.978	0.035	1468.	0.2
24	24.1	4.891	32.844	7.23	0.21	25.978	0.039	1468.	0.4
26	26.1	4.891	32.844	7.23	0.21	25.978	0.043	1468.	0.5
28	28.0	4.891	32.844	7.24	0.21	25.978	0.047	1468.	0.7
30	30.0	4.891	32.844	7.23	0.21	25.979	0.051	1468.	0.8
32	32.0	4.891	32.845	7.24	0.21	25.979	0.055	1468.	0.9
34	33.9	4.892	32.846	7.25	0.21	25.980	0.059	1468.	1.1
36	36.0	4.893	32.848	7.25	0.21	25.981	0.063	1468.	1.2
38	37.9	4.895	32.848	7.25	0.21	25.981	0.067	1468.	1.4
40	40.2	4.896	32.849	7.24	0.21	25.982	0.072	1468.	1.6
42	42.1	4.906	32.854	7.21	0.21	25.984	0.075	1468.	1.8
44	43.8	4.918	32.858	7.23	0.21	25.987	0.079	1468.	1.9
46	46.0	4.927	32.862	7.23	0.21	25.989	0.083	1468.	2.2
48	48.1	4.946	32.871	7.20	0.21	25.993	0.087	1469.	2.2
50	50.0	4.967	32.877	7.20	0.20	25.996	0.091	1469.	2.1
52	52.0	4.986	32.883	7.21	0.20	25.999	0.095	1469.	2.1
53	53.8	5.007	32.895	7.22	0.21	26.006	0.099	1469.	2.3
56	56.3	5.019	32.894	7.22	0.20	26.004	0.104	1469.	2.4
58	57.9	5.019	32.894	7.22	0.21	26.004	0.107	1469.	3.7
60	60.0	5.043	32.903	7.20	0.21	26.008	0.111	1469.	4.7
62	62.1	5.142	32.936	7.19	0.20	26.024	0.115	1470.	5.2
64	64.0	5.168	32.942	7.16	0.20	26.025	0.119	1470.	5.7
66	66.0	5.628	33.100	7.05	0.20	26.097	0.123	1472.	6.4
68	67.9	5.851	33.168	7.02	0.20	26.124	0.127	1473.	6.8
70	69.9	5.975	33.191	6.95	0.20	26.127	0.131	1473.	6.9
72	72.1	6.085	33.230	6.91	0.20	26.144	0.135	1474.	6.8
73	73.9	6.699	33.425	6.75	0.20	26.219	0.138	1477.	6.2
76	76.1	7.162	33.536	6.64	0.21	26.244	0.142	1479.	6.1
78	78.1	7.339	33.591	6.61	0.22	26.262	0.145	1479.	5.8
79	79.9	7.458	33.619	6.56	0.22	26.268	0.149	1480.	5.1
81	81.2	7.478	33.614	6.55	0.23	26.261	0.151	1480.	3.6
82	82.0	7.488	33.628	6.53	0.23	26.271	0.152	1480.	2.8
83	83.1	7.502	33.631	6.53	0.23	26.271	0.154	1480.	2.4
83	84.0	7.507	33.633	6.51	0.23	26.272	0.156	1480.	2.9
84	85.0	7.513	33.633	6.50	0.23	26.271	0.157	1480.	3.0
86	86.0	7.547	33.645	6.51	0.23	26.275	0.159	1480.	3.3
87	87.0	7.634	33.668	6.49	0.23	26.282	0.161	1481.	4.2
88	88.1	7.690	33.690	6.49	0.23	26.291	0.163	1481.	4.8
88	88.9	7.714	33.685	6.48	0.23	26.283	0.164	1481.	5.4
90	90.0	7.820	33.727	6.45	0.24	26.300	0.166	1482.	6.1
91	91.0	7.929	33.774	6.44	0.24	26.322	0.168	1482.	6.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	33	03 FEB 1982	0132	40°33.8'N	67°45.4'W	103

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
91	92.0	8.051	33.809	6.42	0.24	26.331	0.170	1483.	6.3
92	93.0	8.109	33.842	6.40	0.24	26.348	0.171	1483.	6.3
93	94.0	8.299	33.913	6.32	0.25	26.376	0.173	1484.	6.3
94	95.0	8.374	33.919	6.33	0.25	26.369	0.175	1484.	6.3
95	95.7	8.398	33.926	6.30	0.26	26.371	0.176	1484.	6.3

STA 34 DAY: 3 TIME: 0205

DEPTH (m)	TEMP (°C)
0.0	4.9
1.0	4.8
2.9	4.8
5.8	4.8
8.8	4.8
10.7	4.8
13.6	4.8
16.6	4.8
19.5	4.8
24.3	4.8
27.3	4.8
30.2	4.8
32.1	4.8
33.1	4.8
36.0	4.8
37.0	4.8
37.9	4.9
38.9	4.9
40.9	5.0
41.8	5.0
42.8	5.1
44.7	5.1
46.7	5.2
48.6	5.2
48.6	5.2
50.6	5.3
52.5	5.3
54.4	5.3
56.4	5.4
58.3	5.3
59.3	5.3
62.2	5.3
64.1	5.3
67.0	5.3
70.9	5.4
72.8	5.4
75.7	5.4
78.6	5.4
80.6	5.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	35	03 FEB 1982	0219	40°39.1'N	67°47.5'W	82

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
4	4.4	4.981	32.799	7.14	0.23	25.933	0.000	1468.	0.9
6	6.0	4.979	32.802	7.14	0.23	25.935	0.003	1468.	0.9
8	7.8	4.976	32.802	7.17	0.23	25.936	0.007	1468.	0.9
10	10.2	4.976	32.802	7.16	0.23	25.936	0.012	1468.	0.9
12	11.9	4.976	32.802	7.19	0.23	25.936	0.015	1468.	0.9
14	14.1	4.976	32.802	7.16	0.23	25.936	0.020	1468.	0.8
16	16.0	4.978	32.803	7.17	0.23	25.936	0.024	1468.	0.8
18	17.9	4.980	32.805	7.17	0.23	25.938	0.028	1468.	0.9
20	20.0	4.981	32.805	7.16	0.23	25.938	0.032	1468.	1.0
22	22.2	4.981	32.806	7.18	0.23	25.938	0.037	1468.	1.1
24	23.9	4.982	32.807	7.18	0.23	25.939	0.040	1468.	1.1
26	26.0	4.985	32.809	7.15	0.23	25.940	0.044	1468.	1.0
28	28.2	4.988	32.811	7.18	0.23	25.941	0.049	1468.	1.0
30	29.9	4.989	32.811	7.15	0.24	25.941	0.052	1468.	1.0
32	32.3	4.990	32.812	7.17	0.23	25.942	0.057	1468.	0.9
34	33.8	4.989	32.812	7.17	0.24	25.942	0.060	1468.	0.9
36	36.1	4.985	32.813	7.15	0.24	25.943	0.065	1468.	0.8
38	38.0	4.967	32.810	7.17	0.24	25.943	0.069	1468.	0.7
40	40.0	4.957	32.809	7.17	0.24	25.943	0.073	1468.	0.7
42	42.0	4.954	32.809	7.18	0.25	25.944	0.077	1468.	0.7
44	43.9	4.954	32.809	7.18	0.25	25.944	0.081	1468.	0.6
46	46.0	4.953	32.809	7.17	0.25	25.944	0.085	1468.	0.5
48	48.1	4.955	32.810	7.18	0.25	25.944	0.090	1469.	0.4
50	49.9	4.967	32.812	7.19	0.24	25.944	0.094	1469.	0.4
52	51.9	4.954	32.810	7.21	0.25	25.944	0.098	1469.	0.3
54	54.1	4.936	32.807	7.21	0.25	25.944	0.102	1469.	0.4
56	55.8	4.928	32.807	7.21	0.25	25.945	0.106	1469.	0.4
58	58.1	4.924	32.805	7.19	0.25	25.944	0.110	1469.	-0.4
60	59.9	4.929	32.806	7.20	0.26	25.944	0.114	1469.	-0.2
62	62.0	4.911	32.804	7.21	0.26	25.945	0.118	1469.	0.3
64	64.2	4.919	32.806	7.20	0.26	25.945	0.123	1469.	0.4
65	65.8	4.906	32.799	7.20	0.26	25.941	0.126	1469.	0.4
68	68.1	4.907	32.804	7.20	0.27	25.945	0.131	1469.	0.5
70	70.0	4.906	32.805	7.20	0.26	25.945	0.135	1469.	0.6
72	72.0	4.906	32.804	7.22	0.26	25.945	0.139	1469.	0.6
74	74.0	4.903	32.803	7.23	0.26	25.945	0.143	1469.	0.6
76	76.1	4.898	32.803	7.23	0.27	25.945	0.147	1469.	0.6
77	77.4	4.895	32.804	7.23	0.26	25.946	0.150	1469.	0.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	36	03 FEB 1982	0311	40°34.0'N	67°50.6'W	95

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.8	5.119	32.918	7.13	0.21	26.012	0.000	1469.	-0.1
4	4.0	5.115	32.917	7.15	0.21	26.011	0.002	1469.	-0.1
6	6.0	5.114	32.916	7.17	0.21	26.011	0.006	1469.	-0.1
8	7.9	5.113	32.917	7.16	0.21	26.011	0.010	1469.	-0.1
10	9.9	5.115	32.916	7.16	0.21	26.011	0.014	1469.	-0.1
12	12.2	5.115	32.916	7.17	0.21	26.011	0.019	1469.	0.3
14	13.8	5.110	32.916	7.16	0.21	26.011	0.022	1469.	0.4
16	16.0	5.098	32.914	7.16	0.21	26.011	0.026	1469.	0.4
18	17.9	5.098	32.915	7.16	0.21	26.011	0.030	1469.	0.4
20	19.9	5.099	32.915	7.16	0.21	26.011	0.034	1469.	0.3
22	22.0	5.100	32.915	7.15	0.22	26.012	0.038	1469.	0.3
24	24.1	5.101	32.915	7.15	0.21	26.011	0.042	1469.	0.3
26	25.8	5.099	32.914	7.14	0.21	26.011	0.046	1469.	0.4
28	28.1	5.098	32.914	7.15	0.21	26.011	0.050	1469.	0.6
30	29.7	5.099	32.915	7.14	0.21	26.011	0.054	1469.	0.7
32	32.2	5.103	32.916	7.16	0.21	26.012	0.058	1469.	0.8
34	34.0	5.104	32.917	7.16	0.21	26.012	0.062	1469.	0.9
36	35.8	5.108	32.918	7.15	0.21	26.013	0.066	1469.	1.0
38	38.2	5.110	32.919	7.16	0.21	26.014	0.070	1469.	1.1
40	40.0	5.116	32.921	7.15	0.21	26.014	0.074	1469.	1.4
42	41.8	5.119	32.922	7.17	0.21	26.014	0.078	1469.	1.6
44	44.1	5.131	32.926	7.16	0.21	26.016	0.082	1469.	2.7
46	46.1	5.149	32.932	7.13	0.21	26.019	0.086	1469.	3.9
48	48.0	5.172	32.939	7.11	0.21	26.022	0.090	1470.	4.6
50	50.0	5.206	32.950	7.04	0.21	26.027	0.094	1470.	5.0
52	52.2	5.463	33.037	6.99	0.20	26.066	0.098	1471.	5.2
54	53.9	5.777	33.138	6.91	0.19	26.109	0.101	1472.	5.1
56	55.9	5.926	33.175	6.87	0.19	26.120	0.105	1473.	4.8
58	58.1	5.963	33.184	6.86	0.19	26.123	0.109	1473.	4.5
60	60.1	6.006	33.196	6.84	0.19	26.126	0.113	1473.	4.4
61	61.7	6.038	33.204	6.81	0.19	26.129	0.116	1474.	4.5
64	64.3	6.131	33.225	6.77	0.19	26.134	0.121	1474.	5.0
65	65.8	6.311	33.283	6.71	0.20	26.157	0.124	1475.	5.3
68	68.2	6.813	33.427	6.60	0.21	26.205	0.128	1477.	5.3
70	70.0	6.983	33.480	6.56	0.22	26.224	0.131	1478.	5.0
72	72.0	7.175	33.531	6.53	0.23	26.238	0.135	1479.	4.5
73	73.7	7.196	33.537	6.52	0.23	26.240	0.138	1479.	3.7
76	76.2	7.261	33.553	6.51	0.24	26.243	0.142	1479.	2.5
78	78.1	7.254	33.552	6.52	0.24	26.243	0.146	1479.	1.7
79	79.8	7.252	33.550	6.52	0.24	26.243	0.149	1479.	0.9
81	81.2	7.240	33.547	6.51	0.24	26.242	0.151	1479.	0.5
82	82.0	7.246	33.548	6.52	0.24	26.242	0.153	1479.	-0.6
83	83.1	7.245	33.549	6.52	0.23	26.242	0.155	1479.	0.5
83	83.9	7.233	33.547	6.52	0.23	26.242	0.156	1479.	0.9
85	85.0	7.227	33.546	6.52	0.23	26.242	0.158	1479.	1.0
86	86.0	7.238	33.548	6.51	0.24	26.242	0.160	1479.	0.3
87	87.0	7.276	33.557	6.49	0.24	26.245	0.162	1479.	-1.0
87	87.9	7.265	33.554	6.50	0.24	26.244	0.163	1479.	-1.2
88	89.0	7.255	33.552	6.51	0.25	26.244	0.165	1479.	-1.4
90	90.0	7.225	33.542	6.52	0.25	26.240	0.167	1479.	-1.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	36	03 FEB 1982	0311	40°34.0'N	67°50.6'W	95

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
91	91.1	7.215	33.538	6.51	0.25	26.238	0.169	1479.	-1.4
91	92.0	7.226	33.542	6.50	0.25	26.240	0.171	1479.	-1.4
92	92.6	7.223	33.541	6.50	0.25	26.239	0.172	1479.	-1.4

STA 37 DAY: 3 TIME: 0352

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	7.2	53.5	8.9	89.2	11.7
0.0	7.1	54.4	9.0	90.2	11.6
1.0	7.1	54.4	9.0	91.2	11.6
2.9	7.1	55.4	9.1	92.1	11.6
4.9	7.1	56.4	9.2	93.1	11.5
7.8	7.1	57.3	9.3	93.1	11.5
8.8	7.1	59.3	9.4	95.0	11.5
11.7	7.1	60.2	9.4	96.0	11.5
12.7	7.1	62.2	9.4	97.0	11.5
14.6	7.1	63.1	9.4	97.9	11.4
14.6	7.2	64.1	9.4	99.9	11.4
16.6	7.2	65.1	9.5	100.8	11.4
19.5	7.2	65.1	9.5	102.8	11.4
21.4	7.2	66.0	9.7	103.7	11.4
24.3	7.2	67.0	9.7	105.6	11.4
27.3	7.2	68.0	9.9	107.6	11.4
28.2	7.2	69.0	10.0	108.5	11.4
29.2	7.2	69.0	10.1	110.5	11.4
31.1	7.2	69.9	10.2	112.4	11.3
32.1	7.2	69.9	10.3	113.4	11.3
32.1	7.2	69.9	10.4	115.3	11.3
33.1	7.3	70.9	10.5	116.2	11.3
34.1	7.3	70.9	10.5	116.2	11.3
36.0	7.3	71.9	10.6		
37.0	7.4	72.8	10.6		
37.9	7.4	73.8	10.6		
37.9	7.4	74.8	10.7		
38.9	7.5	75.7	10.7		
38.9	7.5	77.7	10.7		
39.9	7.5	78.6	10.7		
39.9	7.6	79.6	10.7		
40.9	7.6	80.6	10.8		
40.9	7.7	81.5	10.8		
41.8	7.8	81.5	11.0		
41.8	7.9	81.5	11.1		
41.8	8.0	81.5	11.2		
41.8	8.0	81.5	11.3		
42.8	8.1	82.5	11.4		
42.8	8.3	82.5	11.5		
42.8	8.4	82.5	11.6		
43.8	8.4	83.5	11.7		
43.8	8.5	83.5	11.8		
44.7	8.5	83.5	11.8		
44.7	8.7	84.4	11.9		
45.7	8.7	85.4	11.9		
46.7	8.7	86.4	11.9		
47.6	8.8	86.4	11.8		
47.6	8.8	87.3	11.7		
48.6	8.9	88.3	11.7		
50.6	8.9	88.3	11.7		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	38	03 FEB 1982	0440	40°25.8'N	67°47.4'W	152

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
5	4.9	6.620	33.312	6.74	0.25	26.140	0.000	1475.	3.8
6	5.8	6.612	33.309	6.69	0.25	26.138	0.002	1475.	3.8
8	7.9	6.608	33.309	6.66	0.25	26.139	0.006	1475.	3.8
10	9.8	6.611	33.311	6.64	0.25	26.141	0.009	1475.	3.8
12	12.1	6.638	33.327	6.62	0.25	26.149	0.013	1475.	3.8
14	13.9	6.664	33.339	6.59	0.25	26.156	0.017	1475.	4.0
16	16.0	6.817	33.408	6.58	0.25	26.190	0.021	1476.	4.0
18	18.1	6.867	33.429	6.56	0.25	26.200	0.024	1476.	3.8
20	19.9	6.888	33.434	6.54	0.25	26.201	0.028	1477.	3.4
22	22.1	6.921	33.444	6.54	0.24	26.204	0.032	1477.	2.7
24	24.1	6.944	33.451	6.54	0.24	26.206	0.035	1477.	1.8
26	26.0	6.951	33.453	6.54	0.24	26.207	0.039	1477.	1.5
28	27.9	6.965	33.457	6.53	0.24	26.208	0.042	1477.	1.4
30	30.3	6.977	33.459	6.55	0.24	26.208	0.046	1477.	1.3
32	31.9	6.989	33.462	6.54	0.23	26.209	0.049	1477.	1.3
34	34.1	7.028	33.471	6.55	0.23	26.211	0.053	1477.	1.4
36	35.9	7.042	33.475	6.55	0.23	26.212	0.057	1477.	1.5
38	38.1	7.062	33.480	6.58	0.23	26.213	0.060	1478.	1.4
40	39.8	7.077	33.485	6.53	0.23	26.215	0.064	1478.	1.2
42	42.0	7.102	33.491	6.50	0.23	26.217	0.067	1478.	2.3
44	44.3	7.161	33.504	6.46	0.23	26.219	0.072	1478.	3.7
46	46.0	7.204	33.510	6.36	0.22	26.217	0.075	1478.	4.7
48	48.0	7.268	33.518	6.27	0.21	26.215	0.078	1479.	5.7
50	50.0	7.838	33.674	6.18	0.19	26.257	0.082	1481.	6.5
52	52.1	8.290	33.829	6.10	0.18	26.311	0.085	1483.	7.2
54	53.8	8.562	33.914	6.02	0.18	26.336	0.088	1484.	7.4
56	56.0	8.993	34.064	5.97	0.17	26.387	0.092	1486.	7.2
58	58.2	9.322	34.171	5.98	0.17	26.418	0.096	1487.	6.5
60	59.9	9.554	34.265	5.92	0.17	26.453	0.098	1488.	5.8
62	61.9	9.603	34.288	5.89	0.17	26.463	0.102	1489.	5.2
64	64.0	9.629	34.297	5.91	0.17	26.466	0.105	1489.	4.6
66	65.9	9.664	34.310	5.91	0.17	26.470	0.108	1489.	4.4
68	67.9	9.721	34.333	5.86	0.16	26.479	0.111	1489.	4.2
70	70.0	9.970	34.413	5.83	0.16	26.499	0.114	1490.	4.3
72	72.2	10.438	34.539	5.77	0.15	26.517	0.118	1492.	4.4
73	73.9	10.805	34.642	5.71	0.15	26.533	0.120	1493.	4.3
76	76.0	11.106	34.725	5.64	0.15	26.542	0.123	1495.	4.1
78	78.1	11.165	34.747	5.63	0.15	26.549	0.126	1495.	4.2
79	79.9	11.297	34.786	5.58	0.15	26.556	0.129	1495.	4.4
82	82.1	11.208	34.776	5.58	0.15	26.564	0.132	1495.	4.6
83	83.7	11.176	34.775	5.57	0.15	26.569	0.135	1495.	4.8
85	86.0	11.642	34.936	5.48	0.15	26.608	0.138	1497.	4.9
88	88.3	12.091	35.072	5.43	0.15	26.628	0.141	1499.	4.7
89	89.8	12.258	35.130	5.40	0.15	26.641	0.143	1499.	4.3
92	92.1	12.395	35.174	5.38	0.14	26.648	0.147	1500.	3.8
93	93.9	12.437	35.189	5.38	0.14	26.652	0.149	1500.	3.1
95	96.0	12.446	35.192	5.36	0.14	26.652	0.152	1500.	3.0
98	98.2	12.448	35.192	5.36	0.14	26.652	0.155	1500.	3.1
99	99.9	12.470	35.207	5.31	0.14	26.659	0.158	1500.	3.5
101	102.0	12.582	35.252	5.27	0.14	26.672	0.161	1501.	4.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	38	03 FEB 1982	0440	40°25.8'N	67°47.4'W	152

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
104	104.3	12.735	35.307	5.22	0.14	26.685	0.164	1501.	4.4
105	105.8	12.812	35.339	5.12	0.14	26.694	0.166	1502.	4.6
107	108.0	12.884	35.384	5.04	0.14	26.715	0.169	1502.	4.5
110	110.3	12.820	35.388	4.99	0.14	26.730	0.172	1502.	4.3
111	112.0	12.672	35.371	4.94	0.14	26.747	0.174	1501.	4.2
114	114.2	12.649	35.369	4.89	0.14	26.750	0.177	1501.	4.4
115	115.7	12.636	35.370	4.82	0.14	26.753	0.179	1501.	4.5
117	118.0	12.591	35.360	4.73	0.14	26.754	0.182	1501.	4.5
119	120.0	12.444	35.355	4.68	0.14	26.780	0.185	1501.	4.6
121	122.1	12.208	35.334	4.64	0.14	26.809	0.187	1500.	5.0
123	123.8	12.127	35.329	4.59	0.14	26.821	0.189	1500.	5.3
125	126.1	12.081	35.324	4.52	0.15	26.826	0.192	1500.	5.6
127	127.7	12.020	35.323	4.46	0.15	26.837	0.194	1499.	5.6
129	130.0	11.845	35.327	4.40	0.15	26.873	0.197	1499.	5.8
130	131.3	11.754	35.332	4.38	0.15	26.894	0.199	1499.	6.2
131	132.0	11.727	35.335	4.38	0.15	26.902	0.199	1498.	6.6
132	132.9	11.672	35.337	4.36	0.15	26.914	0.200	1498.	6.4
133	134.0	11.508	35.322	4.35	0.16	26.933	0.202	1498.	5.7
134	135.0	11.387	35.312	4.35	0.16	26.948	0.203	1497.	5.0
135	136.0	11.387	35.311	4.35	0.16	26.947	0.204	1497.	4.2
136	137.1	11.371	35.311	4.35	0.16	26.950	0.205	1497.	3.4
137	137.9	11.377	35.311	4.33	0.16	26.949	0.206	1497.	2.2
138	139.0	11.344	35.305	4.32	0.16	26.950	0.207	1497.	1.3
139	140.0	11.324	35.299	4.32	0.16	26.949	0.209	1497.	1.1
140	141.1	11.309	35.299	4.33	0.16	26.952	0.210	1497.	0.7
141	142.0	11.309	35.297	4.31	0.16	26.951	0.211	1497.	0.5
142	143.0	11.300	35.294	4.30	0.16	26.950	0.212	1497.	-0.5
143	144.0	11.305	35.295	4.30	0.16	26.950	0.213	1497.	-0.7
144	145.1	11.298	35.294	4.28	0.16	26.950	0.214	1497.	-3.7
145	145.9	11.295	35.293	4.28	0.17	26.950	0.215	1497.	-3.7
146	147.1	11.302	35.293	4.29	0.17	26.949	0.217	1497.	-3.7
147	148.0	11.293	35.291	4.32	0.17	26.949	0.218	1497.	-3.7

STA 39 DAY: 3 TIME: 0532

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	6.5	49.6	9.6	77.7	12.5	124.9	13.3	164.2	10.7
1.0	6.4	49.6	9.7	79.6	12.5	125.9	13.3	165.2	10.7
1.0	6.4	50.6	9.7	80.6	12.5	126.8	13.3	166.2	10.6
3.9	6.4	51.5	9.8	81.5	12.5	128.7	13.3	168.1	10.6
5.8	6.4	52.5	9.8	82.5	12.6	130.7	13.3	168.1	10.6
8.8	6.4	53.5	9.8	82.5	12.6	131.6	13.3	170.0	10.6
11.7	6.4	53.5	9.9	83.5	12.7	132.6	13.2	170.9	10.5
14.6	6.4	53.5	10.0	85.4	12.7	133.5	13.2	171.9	10.5
17.5	6.4	54.4	10.1	86.4	12.7	133.5	13.1	172.9	10.4
19.5	6.4	54.4	10.2	87.3	12.7	133.5	13.0	172.9	10.4
21.4	6.4	55.4	10.3	88.3	12.7	134.5	13.0	172.9	10.3
22.4	6.4	55.4	10.4	89.2	12.7	135.5	13.0	173.8	10.2
25.3	6.4	55.4	10.5	89.2	12.8	136.4	13.0	174.8	10.1
26.3	6.5	56.4	10.6	89.2	12.8	137.4	13.0	175.7	10.0
28.2	6.5	57.3	10.6	89.2	12.9	138.3	13.0	176.7	10.0
29.2	6.5	58.3	10.7	90.2	12.9	140.3	13.0	177.6	9.9
30.2	6.5	59.3	10.8	91.2	12.9	140.3	13.0	177.6	9.9
31.1	6.6	59.3	10.9	91.2	13.0	141.2	12.9	178.6	9.8
33.1	6.7	60.2	11.0	91.2	13.1	141.2	12.9	179.5	9.8
35.0	6.7	60.2	11.0	92.1	13.1	141.2	12.8	181.5	9.7
36.0	6.8	60.2	11.1	92.1	13.2	142.2	12.8	182.4	9.7
36.0	6.8	61.2	11.1	92.1	13.3	143.1	12.8	184.3	9.7
37.9	6.9	61.2	11.2	93.1	13.4	145.1	12.7	184.3	9.6
37.9	6.9	62.2	11.2	93.1	13.5	145.1	12.7	185.3	9.6
37.9	7.0	63.1	11.2	94.1	13.5	146.0	12.6	187.2	9.5
38.9	7.1	64.1	11.2	95.0	13.5	146.0	12.5	188.1	9.5
38.9	7.2	66.0	11.2	96.0	13.6	147.0	12.4	189.1	9.4
38.9	7.3	66.0	11.2	97.0	13.6	147.9	12.3	191.0	9.4
38.9	7.4	66.0	11.3	98.9	13.7	148.9	12.2	191.0	9.4
39.9	7.5	66.0	11.4	99.9	13.7	148.9	12.1		
39.9	7.5	67.0	11.5	100.8	13.7	149.9	12.0		
39.9	7.6	68.0	11.5	101.8	13.7	149.9	11.9		
40.9	7.7	68.0	11.6	102.8	13.7	149.9	11.8		
40.9	7.8	68.0	11.6	102.8	13.6	150.8	11.7		
41.8	7.9	69.0	11.7	103.7	13.6	150.8	11.6		
41.8	8.0	69.0	11.8	104.7	13.6	151.8	11.6		
42.8	8.0	69.9	11.8	105.6	13.6	152.7	11.5		
42.8	8.2	70.9	11.9	107.6	13.6	152.7	11.5		
43.8	8.3	70.9	11.9	107.6	13.6	152.7	11.4		
43.8	8.4	71.9	12.0	109.5	13.5	153.7	11.3		
43.8	8.5	71.9	12.1	110.5	13.5	153.7	11.2		
44.7	8.7	71.9	12.1	110.5	13.5	154.7	11.1		
44.7	8.8	71.9	12.1	112.4	13.4	154.7	11.1		
45.7	8.9	72.8	12.1	113.4	13.4	155.6	11.1		
45.7	9.0	73.8	12.2	114.3	13.4	156.6	11.0		
46.7	9.1	73.8	12.2	116.2	13.4	158.5	11.0		
47.6	9.1	74.8	12.3	119.1	13.4	160.4	11.0		
48.6	9.3	74.8	12.4	120.1	13.4	161.4	11.0		
48.6	9.4	74.8	12.4	122.0	13.3	162.3	10.9		
49.6	9.5	76.7	12.4	123.9	13.3	163.3	10.8		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	40	03 FEB 1982	0624	40°15.0'N	67°43.8'W	1200

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
1	0.8	7.374	33.540	6.54	0.24	26.217	0.000	1478.	1.1
2	2.0	7.363	33.539	6.53	0.24	26.218	0.002	1478.	1.1
4	4.1	7.359	33.540	6.58	0.24	26.220	0.006	1478.	1.1
6	6.0	7.365	33.542	6.58	0.24	26.220	0.009	1478.	1.1
8	8.1	7.365	33.542	6.58	0.24	26.220	0.013	1478.	1.1
10	9.9	7.369	33.543	6.57	0.24	26.221	0.016	1478.	1.3
12	12.1	7.371	33.543	6.59	0.24	26.221	0.020	1478.	1.6
14	13.9	7.377	33.545	6.59	0.24	26.221	0.023	1479.	1.9
16	16.0	7.395	33.554	6.59	0.24	26.225	0.027	1479.	2.2
18	18.0	7.426	33.564	6.59	0.24	26.229	0.031	1479.	2.5
20	19.9	7.447	33.573	6.59	0.24	26.233	0.034	1479.	2.8
22	22.0	7.476	33.585	6.59	0.24	26.238	0.038	1479.	3.0
24	24.0	7.520	33.601	6.58	0.24	26.245	0.041	1479.	3.3
26	26.0	7.586	33.624	6.54	0.23	26.253	0.045	1480.	3.9
28	28.1	7.618	33.634	6.51	0.23	26.257	0.048	1480.	4.5
30	30.2	7.724	33.668	6.47	0.23	26.269	0.052	1480.	5.0
32	31.9	7.806	33.700	6.38	0.23	26.282	0.055	1481.	5.3
34	34.0	8.095	33.800	6.33	0.22	26.318	0.059	1482.	5.5
36	36.1	8.426	33.902	6.28	0.21	26.348	0.062	1483.	5.6
38	37.9	8.525	33.934	6.23	0.20	26.358	0.065	1484.	5.5
40	40.0	8.600	33.969	6.26	0.20	26.373	0.069	1484.	5.5
42	42.0	8.766	34.029	6.21	0.20	26.395	0.072	1485.	5.4
44	44.0	8.749	34.034	6.24	0.20	26.402	0.075	1485.	5.6
46	46.1	8.781	34.071	6.25	0.20	26.426	0.079	1485.	5.9
48	48.0	8.780	34.107	6.28	0.19	26.454	0.082	1485.	5.9
50	50.0	8.847	34.141	6.27	0.19	26.470	0.085	1485.	5.8
52	52.0	8.990	34.219	6.23	0.18	26.509	0.088	1486.	5.7
54	54.0	9.153	34.286	6.20	0.18	26.535	0.091	1487.	5.1
56	56.2	9.374	34.341	6.16	0.17	26.542	0.094	1488.	4.4
57	57.8	9.477	34.363	6.11	0.17	26.543	0.097	1488.	3.7
60	60.0	9.661	34.421	6.06	0.17	26.557	0.100	1489.	3.2
62	62.1	9.740	34.433	6.04	0.17	26.554	0.103	1489.	3.0
64	64.1	9.796	34.440	6.04	0.16	26.549	0.106	1489.	3.0
66	65.9	10.101	34.521	5.97	0.16	26.561	0.109	1491.	3.0
68	67.9	10.445	34.623	5.87	0.15	26.581	0.112	1492.	3.0
70	70.0	10.748	34.697	5.81	0.15	26.586	0.115	1493.	3.1
72	72.0	10.741	34.694	5.80	0.15	26.584	0.118	1493.	3.2
74	74.0	10.813	34.717	5.77	0.15	26.589	0.120	1494.	3.1
76	76.0	10.974	34.760	5.72	0.15	26.594	0.123	1494.	3.0
78	78.1	11.128	34.801	5.70	0.15	26.598	0.126	1495.	3.0
79	79.9	11.464	34.902	5.62	0.14	26.615	0.129	1496.	3.0
82	82.0	11.655	34.959	5.56	0.14	26.623	0.132	1497.	3.0
84	84.0	11.705	34.972	5.59	0.14	26.624	0.135	1497.	3.0
85	86.0	11.743	34.981	5.63	0.14	26.624	0.138	1497.	2.9
87	88.0	11.831	35.006	5.62	0.14	26.626	0.141	1498.	2.8
89	89.9	12.019	35.065	5.58	0.14	26.637	0.143	1498.	2.8
92	92.1	12.208	35.123	5.54	0.14	26.645	0.146	1499.	2.9
94	94.1	12.412	35.184	5.49	0.14	26.653	0.149	1500.	2.7
95	95.8	12.543	35.223	5.47	0.13	26.657	0.152	1501.	2.6
97	97.9	12.565	35.229	5.46	0.13	26.658	0.155	1501.	2.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	40	03 FEB 1982	0624	40°15.0'N	67°43.8'W	1200

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	100.0	12.584	35.236	5.44	0.14	26.660	0.157	1501.	2.3
102	102.1	12.665	35.256	5.45	0.13	26.659	0.160	1501.	2.4
103	104.0	12.582	35.248	5.48	0.13	26.669	0.163	1501.	2.5
105	106.0	12.598	35.257	5.51	0.13	26.673	0.166	1501.	2.6
107	108.0	12.660	35.277	5.53	0.13	26.676	0.169	1501.	2.6
109	110.0	12.767	35.314	5.58	0.13	26.684	0.171	1502.	2.6
111	112.0	12.835	35.335	5.59	0.13	26.686	0.174	1502.	2.5
113	114.0	12.839	35.337	5.56	0.13	26.687	0.177	1502.	2.7
115	116.0	12.886	35.355	5.53	0.13	26.692	0.180	1502.	3.0
117	118.2	12.993	35.390	5.47	0.13	26.697	0.183	1503.	3.2
119	119.8	13.051	35.411	5.38	0.13	26.702	0.185	1503.	3.5
121	121.9	13.140	35.451	5.28	0.13	26.715	0.188	1503.	3.9
123	124.0	13.309	35.511	5.20	0.13	26.727	0.191	1504.	4.2
125	126.2	13.382	35.545	5.08	0.13	26.738	0.193	1504.	4.6
127	127.9	13.383	35.556	4.94	0.13	26.747	0.196	1504.	4.7
129	130.0	13.462	35.604	4.82	0.13	26.768	0.198	1505.	4.7
131	132.2	13.531	35.641	4.68	0.13	26.782	0.201	1505.	4.8
133	133.8	13.460	35.651	4.55	0.13	26.804	0.203	1505.	4.7
135	136.0	13.449	35.664	4.43	0.13	26.816	0.206	1505.	4.5
137	138.1	13.431	35.664	4.36	0.13	26.820	0.209	1505.	4.1
139	140.1	13.342	35.665	4.31	0.13	26.839	0.211	1504.	4.1
141	142.0	13.325	35.665	4.27	0.13	26.843	0.214	1504.	4.2
143	143.9	13.299	35.665	4.19	0.13	26.848	0.216	1504.	4.4
145	146.0	13.271	35.663	4.10	0.13	26.852	0.218	1504.	4.5
147	148.1	13.143	35.665	4.09	0.13	26.880	0.221	1504.	4.7
149	150.0	13.038	35.664	4.06	0.13	26.900	0.223	1504.	4.9
151	151.9	12.964	35.655	4.02	0.13	26.908	0.226	1503.	4.9
153	154.0	12.857	35.642	3.99	0.13	26.920	0.228	1503.	4.8
155	156.1	12.598	35.604	4.03	0.13	26.942	0.230	1502.	4.5
157	157.9	12.445	35.583	4.03	0.13	26.956	0.233	1502.	4.3
159	160.0	12.372	35.567	4.01	0.13	26.958	0.235	1501.	4.2
161	162.1	12.274	35.557	3.99	0.13	26.969	0.237	1501.	4.0
163	164.0	12.203	35.553	3.98	0.12	26.980	0.239	1501.	3.8
165	166.0	12.158	35.552	3.95	0.12	26.988	0.242	1501.	3.7
167	168.1	12.113	35.549	3.95	0.12	26.994	0.244	1501.	3.7
169	170.0	12.003	35.538	3.99	0.12	27.007	0.246	1500.	3.5
171	171.9	11.900	35.521	3.99	0.13	27.013	0.248	1500.	3.4
173	174.0	11.825	35.507	3.96	0.13	27.017	0.250	1500.	3.4
175	176.0	11.757	35.499	3.95	0.12	27.024	0.252	1499.	3.4
177	178.0	11.724	35.497	3.95	0.13	27.028	0.255	1499.	3.4
179	179.9	11.595	35.479	3.95	0.13	27.039	0.257	1499.	3.6
181	182.0	11.539	35.472	3.95	0.12	27.044	0.259	1499.	3.8
183	184.1	11.431	35.459	3.97	0.12	27.054	0.261	1498.	3.8
185	185.9	11.293	35.437	3.97	0.12	27.063	0.263	1498.	3.7
187	188.0	11.143	35.424	3.97	0.12	27.080	0.265	1497.	3.5
189	190.0	11.115	35.424	3.96	0.12	27.085	0.267	1497.	3.3
191	192.1	11.082	35.422	3.96	0.12	27.090	0.269	1497.	3.0
193	193.9	11.063	35.419	3.96	0.12	27.091	0.271	1497.	2.6
195	196.1	11.026	35.413	3.94	0.12	27.093	0.273	1497.	2.3
197	198.0	10.990	35.411	3.92	0.12	27.098	0.275	1497.	2.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	40	03 FEB 1982	0624	40°15.0'N	67°43.8'W	1200

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
199	200.0	10.953	35.404	3.91	0.12	27.100	0.277	1497.	2.3
201	202.0	10.917	35.400	3.88	0.12	27.103	0.279	1497.	2.5
203	204.0	10.886	35.398	3.90	0.12	27.107	0.281	1497.	2.8
205	206.0	10.839	35.392	3.90	0.12	27.111	0.283	1497.	3.0
207	207.9	10.797	35.386	3.88	0.12	27.113	0.285	1497.	3.1
209	210.0	10.650	35.367	3.88	0.12	27.126	0.287	1496.	3.1
211	212.0	10.541	35.355	3.89	0.12	27.136	0.289	1496.	3.0
213	214.0	10.487	35.349	3.91	0.12	27.140	0.291	1496.	2.9
215	216.0	10.459	35.346	3.90	0.12	27.142	0.293	1495.	2.7
217	218.0	10.436	35.342	3.91	0.12	27.144	0.295	1495.	2.5
219	220.1	10.418	35.341	3.93	0.12	27.146	0.297	1495.	2.6
221	221.9	10.367	35.334	3.92	0.12	27.149	0.299	1495.	2.6
223	224.0	10.287	35.324	3.91	0.12	27.156	0.300	1495.	2.8
225	226.1	10.209	35.314	3.92	0.12	27.162	0.302	1495.	2.9
227	227.9	10.103	35.300	3.90	0.12	27.169	0.304	1494.	3.0
229	230.0	10.065	35.294	3.89	0.12	27.170	0.306	1494.	2.9
231	232.0	9.999	35.286	3.88	0.12	27.176	0.308	1494.	2.8
233	233.9	9.946	35.280	3.88	0.12	27.181	0.310	1494.	2.7
235	236.0	9.848	35.268	3.87	0.12	27.187	0.312	1493.	2.6
237	238.0	9.828	35.265	3.87	0.13	27.189	0.314	1493.	2.6
239	240.0	9.784	35.260	3.88	0.12	27.192	0.315	1493.	2.6
241	242.0	9.741	35.256	3.90	0.13	27.196	0.317	1493.	2.4
243	244.0	9.669	35.247	3.90	0.13	27.202	0.319	1493.	2.4
245	246.1	9.623	35.241	3.92	0.13	27.205	0.321	1493.	2.4
246	247.9	9.602	35.240	3.92	0.13	27.207	0.323	1493.	2.3
248	249.9	9.585	35.237	3.91	0.13	27.208	0.324	1493.	2.1
250	252.0	9.527	35.231	3.91	0.13	27.213	0.326	1493.	1.9
253	254.1	9.501	35.229	3.93	0.13	27.216	0.328	1492.	1.7
254	256.0	9.491	35.228	3.93	0.13	27.217	0.330	1492.	1.6
256	257.9	9.485	35.227	3.92	0.13	27.217	0.332	1492.	1.5
258	260.0	9.484	35.227	3.91	0.13	27.217	0.333	1493.	1.5
260	262.1	9.477	35.227	3.92	0.13	27.218	0.335	1493.	1.6
262	264.0	9.469	35.226	3.92	0.13	27.219	0.337	1493.	1.7
264	266.0	9.436	35.223	3.94	0.13	27.222	0.339	1492.	1.9
266	268.0	9.393	35.220	3.98	0.13	27.226	0.341	1492.	2.5
268	270.0	9.379	35.219	4.02	0.13	27.228	0.342	1492.	2.9
270	272.0	9.368	35.218	4.03	0.13	27.229	0.344	1492.	3.2
272	274.0	9.311	35.213	4.05	0.13	27.234	0.346	1492.	3.4
274	276.1	9.109	35.195	4.11	0.13	27.254	0.348	1491.	3.5
276	277.9	9.033	35.190	4.18	0.13	27.262	0.349	1491.	3.5
278	280.0	8.985	35.185	4.22	0.13	27.266	0.351	1491.	3.5
280	282.0	8.926	35.182	4.26	0.13	27.273	0.353	1491.	3.4
282	283.9	8.880	35.176	4.28	0.14	27.276	0.354	1491.	3.1
284	286.0	8.822	35.170	4.29	0.14	27.280	0.356	1490.	3.1
286	288.1	8.756	35.168	4.31	0.14	27.289	0.358	1490.	3.3
288	289.8	8.678	35.161	4.35	0.14	27.296	0.359	1490.	3.4
290	292.0	8.622	35.156	4.37	0.14	27.301	0.361	1490.	3.4
292	294.2	8.539	35.150	4.40	0.14	27.309	0.363	1490.	3.5
294	295.8	8.448	35.144	4.42	0.14	27.319	0.364	1489.	3.6
296	298.0	8.385	35.138	4.42	0.14	27.324	0.366	1489.	3.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	40	03 FEB 1982	0624	40°15.0'N	67°43.8'W	1200

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
298	300.1	8.338	35.134	4.43	0.14	27.328	0.368	1489.	3.8
300	302.1	8.239	35.132	4.44	0.14	27.341	0.369	1488.	3.8
302	304.0	8.090	35.116	4.46	0.14	27.352	0.371	1488.	3.7
304	306.0	7.970	35.109	4.47	0.14	27.364	0.372	1488.	3.6
306	308.1	7.930	35.108	4.49	0.14	27.369	0.374	1487.	3.4
308	310.1	7.906	35.107	4.54	0.14	27.372	0.375	1487.	3.1
310	311.9	7.866	35.105	4.58	0.14	27.377	0.377	1487.	2.9
312	314.0	7.825	35.100	4.61	0.14	27.379	0.378	1487.	2.9
314	316.1	7.756	35.095	4.64	0.14	27.385	0.380	1487.	3.0
316	318.1	7.707	35.095	4.67	0.14	27.392	0.381	1487.	3.1
318	319.8	7.628	35.087	4.70	0.14	27.398	0.382	1486.	3.7
320	322.0	7.554	35.082	4.72	0.14	27.404	0.384	1486.	4.1
322	324.1	7.511	35.079	4.72	0.14	27.409	0.386	1486.	4.3
324	326.1	7.427	35.078	4.73	0.14	27.420	0.387	1486.	4.5
326	327.9	7.084	35.055	4.76	0.14	27.451	0.388	1484.	4.5
328	330.0	6.953	35.043	4.79	0.14	27.459	0.390	1484.	4.4
330	332.0	6.815	35.033	4.82	0.14	27.471	0.391	1483.	4.0
332	334.1	6.737	35.029	4.84	0.13	27.478	0.392	1483.	3.5
334	335.9	6.719	35.028	4.86	0.13	27.480	0.393	1483.	2.8
336	338.0	6.687	35.025	4.89	0.13	27.482	0.395	1483.	2.4
338	340.1	6.643	35.022	4.90	0.13	27.486	0.396	1483.	2.1
340	341.9	6.628	35.022	4.92	0.13	27.488	0.397	1483.	2.1
342	344.0	6.622	35.021	4.92	0.13	27.488	0.399	1483.	2.2
344	346.0	6.600	35.020	4.92	0.13	27.490	0.400	1483.	2.2
346	348.2	6.553	35.016	4.94	0.13	27.493	0.401	1483.	2.3
348	349.8	6.478	35.012	4.95	0.13	27.500	0.402	1482.	2.3
350	352.0	6.429	35.007	4.96	0.13	27.502	0.404	1482.	2.3
352	354.1	6.404	35.005	4.97	0.13	27.504	0.405	1482.	2.1
354	356.1	6.382	35.006	4.96	0.13	27.508	0.406	1482.	1.8
356	357.9	6.366	35.005	4.98	0.13	27.509	0.407	1482.	1.6
358	360.1	6.361	35.004	4.97	0.13	27.509	0.409	1482.	1.5
360	361.9	6.360	35.005	4.97	0.13	27.510	0.410	1482.	1.4
362	364.0	6.349	35.003	4.96	0.13	27.510	0.411	1482.	1.4
364	366.0	6.317	35.002	4.96	0.13	27.513	0.412	1482.	1.5
366	368.0	6.310	35.003	4.97	0.13	27.515	0.414	1482.	1.6
368	370.0	6.300	35.002	5.00	0.13	27.515	0.415	1482.	1.7
370	372.0	6.275	35.001	5.02	0.13	27.518	0.416	1482.	1.7
372	373.9	6.259	35.000	5.01	0.13	27.520	0.417	1482.	1.8
373	375.9	6.239	34.998	5.01	0.13	27.520	0.418	1482.	1.9
376	378.0	6.217	34.996	5.02	0.13	27.522	0.420	1482.	2.0
378	380.1	6.196	34.996	5.01	0.13	27.525	0.421	1482.	2.1
380	382.0	6.155	34.995	5.02	0.13	27.529	0.422	1482.	2.2
381	383.9	6.117	34.993	5.02	0.13	27.532	0.423	1481.	2.3
384	386.0	6.100	34.990	5.03	0.13	27.532	0.425	1481.	2.3
386	388.1	6.067	34.991	5.06	0.13	27.537	0.426	1481.	2.3
388	390.1	6.038	34.992	5.09	0.13	27.542	0.427	1481.	2.2
389	391.9	6.015	34.991	5.11	0.13	27.544	0.428	1481.	2.0
391	394.0	5.993	34.991	5.12	0.13	27.547	0.429	1481.	1.8
393	396.0	5.970	34.990	5.12	0.13	27.549	0.430	1481.	1.5
395	398.0	5.967	34.989	5.10	0.13	27.549	0.432	1481.	1.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	40	03 FEB 1982	0624	40°15.0'N	67°43.8'W	1200

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
398	400.1	5.966	34.989	5.12	0.13	27.549	0.433	1481.	1.1
399	402.0	5.966	34.990	5.12	0.13	27.549	0.434	1481.	1.2
401	403.9	5.965	34.990	5.10	0.13	27.549	0.435	1481.	1.4
403	406.0	5.964	34.989	5.13	0.13	27.549	0.436	1481.	1.7
405	408.0	5.951	34.990	5.15	0.13	27.552	0.437	1481.	1.8
407	410.0	5.906	34.989	5.15	0.13	27.556	0.439	1481.	1.9
409	411.9	5.886	34.989	5.15	0.13	27.558	0.440	1481.	2.0
411	414.0	5.863	34.988	5.18	0.13	27.561	0.441	1481.	1.9
413	416.0	5.850	34.988	5.18	0.13	27.563	0.442	1481.	1.8
415	418.0	5.834	34.987	5.16	0.13	27.564	0.443	1481.	1.7
417	420.0	5.825	34.987	5.17	0.13	27.565	0.444	1481.	1.7
419	422.0	5.814	34.987	5.19	0.13	27.567	0.445	1481.	1.8
421	424.0	5.799	34.987	5.22	0.13	27.568	0.447	1481.	1.9
423	426.1	5.785	34.987	5.24	0.13	27.570	0.448	1481.	2.1
425	427.8	5.757	34.987	5.23	0.13	27.574	0.449	1481.	2.2
427	430.0	5.734	34.987	5.22	0.13	27.576	0.450	1481.	2.2
429	432.0	5.705	34.986	5.25	0.13	27.579	0.451	1481.	2.1
431	434.2	5.668	34.988	5.28	0.13	27.585	0.452	1481.	2.0
433	435.9	5.662	34.988	5.27	0.13	27.586	0.453	1481.	1.9
435	437.9	5.656	34.988	5.25	0.13	27.587	0.454	1481.	1.7
437	439.9	5.650	34.987	5.25	0.13	27.587	0.455	1481.	1.5
439	442.1	5.636	34.988	5.28	0.13	27.589	0.457	1481.	1.3
441	443.9	5.627	34.988	5.28	0.13	27.590	0.458	1481.	1.3
443	446.0	5.621	34.989	5.28	0.13	27.592	0.459	1481.	1.2
445	448.1	5.615	34.989	5.30	0.13	27.592	0.460	1481.	1.1
447	450.0	5.612	34.989	5.29	0.13	27.593	0.461	1481.	1.0
449	451.9	5.608	34.988	5.30	0.13	27.593	0.462	1481.	1.0
451	454.0	5.603	34.988	5.32	0.13	27.594	0.463	1481.	0.9
453	456.0	5.595	34.985	5.32	0.13	27.592	0.464	1481.	1.0
455	458.0	5.589	34.988	5.32	0.13	27.595	0.465	1481.	1.2
457	460.1	5.587	34.988	5.31	0.13	27.596	0.466	1481.	1.4
459	462.0	5.584	34.987	5.33	0.13	27.595	0.467	1481.	1.5
461	464.2	5.562	34.987	5.35	0.13	27.598	0.469	1481.	1.5
463	465.9	5.541	34.987	5.35	0.13	27.601	0.470	1481.	1.5
465	467.9	5.534	34.987	5.36	0.13	27.601	0.471	1481.	1.5
467	470.1	5.528	34.987	5.36	0.13	27.602	0.472	1481.	1.7
469	471.8	5.521	34.987	5.34	0.13	27.603	0.473	1481.	1.7
471	474.0	5.505	34.986	5.35	0.13	27.604	0.474	1481.	1.8
473	476.1	5.485	34.986	5.40	0.13	27.606	0.475	1480.	1.9
475	478.1	5.453	34.986	5.41	0.13	27.611	0.476	1480.	2.0
477	479.9	5.432	34.986	5.39	0.13	27.612	0.477	1480.	2.1
479	482.0	5.408	34.985	5.38	0.13	27.615	0.478	1480.	2.1
481	484.0	5.388	34.984	5.42	0.13	27.617	0.479	1480.	2.0
483	486.1	5.367	34.984	5.46	0.13	27.619	0.480	1480.	1.9
485	488.0	5.350	34.985	5.46	0.13	27.622	0.481	1480.	1.9
487	489.9	5.322	34.983	5.42	0.13	27.624	0.482	1480.	1.8
488	491.3	5.317	34.983	5.40	0.13	27.624	0.483	1480.	1.7
489	492.0	5.312	34.981	5.40	0.13	27.624	0.483	1480.	1.4
490	493.0	5.305	34.982	5.41	0.13	27.625	0.484	1480.	1.1
491	494.0	5.304	34.982	5.40	0.13	27.626	0.484	1480.	0.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	40	03 FEB 1982	0624	40°15.0'N	67°43.8'W	1200

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
492	495.0	5.305	34.982	5.42	0.13	27.625	0.485	1480.	0.7
493	496.0	5.305	34.982	5.44	0.13	27.625	0.485	1480.	0.6
494	497.0	5.306	34.982	5.43	0.13	27.625	0.486	1480.	-0.4
495	498.0	5.305	34.982	5.44	0.13	27.625	0.487	1480.	-0.3
496	499.0	5.306	34.982	5.45	0.13	27.625	0.487	1480.	-0.3
497	500.0	5.307	34.982	5.46	0.13	27.625	0.488	1480.	-0.3

STA 41 DAY: 3 TIME: 0719

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
		46.7	9.1	69.9	11.8	119.1	13.1	152.7	12.5
0.0	6.5	46.7	9.3	69.9	11.9	120.1	13.0	154.7	12.5
2.9	6.5	47.6	9.3	70.9	11.9	120.1	13.0	156.6	12.5
6.8	6.5	47.6	9.4	70.9	12.0	121.1	12.9	157.5	12.5
9.7	6.5	47.6	9.5	71.9	12.0	121.1	12.9	158.5	12.4
12.7	6.5	48.6	9.5	71.9	12.0	122.0	12.9	158.5	12.4
16.6	6.5	48.6	9.7	72.8	12.0	123.0	12.8	159.4	12.4
18.5	6.5	48.6	9.8	74.8	12.1	123.0	12.8	160.4	12.3
22.4	6.5	48.6	9.8	75.7	12.1	123.9	12.7	162.3	12.3
24.3	6.5	49.6	9.9	76.7	12.1	123.9	12.5	163.3	12.3
25.3	6.5	49.6	10.0	77.7	12.2	123.9	12.5	164.2	12.3
26.3	6.5	49.6	10.1	77.7	12.2	124.9	12.5	164.2	12.2
27.3	6.5	50.6	10.1	78.6	12.3	125.9	12.4	165.2	12.1
27.3	6.6	51.5	10.1	79.6	12.3	126.8	12.4	165.2	12.1
29.2	6.6	52.5	10.2	79.6	12.3	126.8	12.3	167.1	12.0
30.2	6.6	53.5	10.2	80.6	12.3	126.8	12.3	168.1	12.0
30.2	6.7	53.5	10.2	81.5	12.4	126.8	12.2	168.1	11.9
31.1	6.8	55.4	10.2	82.5	12.4	127.8	12.2	169.0	11.9
31.1	6.8	56.4	10.2	83.5	12.4	128.7	12.2	170.0	11.8
32.1	6.9	57.3	10.2	84.4	12.4	129.7	12.2	171.9	11.7
32.1	7.0	58.3	10.3	86.4	12.4	131.6	12.2	172.9	11.6
33.1	7.1	58.3	10.3	88.3	12.4	132.6	12.2	174.8	11.5
33.1	7.2	59.3	10.4	90.2	12.4	132.6	12.2	175.7	11.5
33.1	7.3	59.3	10.4	91.2	12.4	133.5	12.2	176.7	11.4
34.1	7.4	60.2	10.5	93.1	12.4	134.5	12.3	177.6	11.4
34.1	7.5	60.2	10.6	95.0	12.4	134.5	12.4	178.6	11.3
34.1	7.6	61.2	10.6	97.0	12.4	134.5	12.4	180.5	11.3
35.0	7.8	61.2	10.6	98.9	12.4	134.5	12.5	181.5	11.3
35.0	7.9	61.2	10.7	99.9	12.4	135.5	12.5	182.4	11.3
36.0	8.0	62.2	10.7	100.8	12.4	135.5	12.6	183.4	11.2
36.0	8.1	62.2	10.8	101.8	12.5	135.5	12.7	184.3	11.2
36.0	8.2	63.1	10.8	101.8	12.5	136.4	12.8	184.3	11.1
37.0	8.2	63.1	10.9	102.8	12.6	136.4	12.9	186.2	11.1
37.0	8.3	63.1	11.0	102.8	12.6	137.4	12.9	187.2	11.1
37.9	8.4	64.1	11.0	103.7	12.7	138.3	12.9	189.1	11.0
37.9	8.5	65.1	11.1	104.7	12.7	139.3	12.9	190.1	11.0
37.9	8.5	65.1	11.1	105.6	12.7	140.3	13.0	191.0	11.0
38.9	8.6	65.1	11.2	105.6	12.8	141.2	13.0	192.0	11.0
38.9	8.7	66.0	11.2	107.6	12.8	141.2	13.0	192.9	10.9
39.9	8.8	66.0	11.3	107.6	12.8	143.1	13.0	194.8	10.8
39.9	8.8	66.0	11.3	108.5	12.8	144.1	13.0	195.8	10.8
39.9	8.9	67.0	11.4	108.5	12.9	145.1	13.0	196.7	10.8
40.9	8.9	67.0	11.4	109.5	12.9	146.0	12.9	198.6	10.7
40.9	9.0	68.0	11.4	110.5	12.9	147.0	12.9	200.5	10.7
41.8	9.0	69.0	11.4	112.4	13.0	147.9	12.9	201.5	10.7
42.8	9.0	69.0	11.5	113.4	13.0	148.9	12.8	202.5	10.6
42.8	9.0	69.0	11.5	115.3	13.0	149.9	12.8	202.5	10.6
43.8	9.1	69.0	11.6	116.2	13.0	149.9	12.7	202.5	10.5
43.8	9.1	69.9	11.7	118.2	13.0	151.8	12.7	203.4	10.5
45.7	9.1	69.9	11.7	119.1	13.0	151.8	12.6	204.4	10.4

STA 41 DAY: 3 TIME: 0719

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
205.3	10.4	266.1	8.4	320.8	6.3	415.3	5.5	540.9	5.0
205.3	10.4	267.0	8.3	321.8	6.3	419.9	5.5	543.6	5.0
206.3	10.3	268.0	8.3	324.6	6.4	421.8	5.5	546.4	5.0
207.2	10.3	268.9	8.2	327.4	6.4	422.7	5.5	548.2	5.0
208.2	10.3	268.9	8.1	330.2	6.3	424.6	5.4	550.9	5.0
210.1	10.3	269.9	8.1	331.2	6.3	427.4	5.4	553.7	5.0
211.0	10.3	271.8	8.0	334.0	6.3	430.2	5.4	555.5	5.0
212.0	10.3	272.7	8.0	335.9	6.3	431.1	5.4	558.3	5.0
212.9	10.2	272.7	7.9	336.8	6.2	433.9	5.4	560.1	5.0
213.9	10.2	273.7	7.9	337.7	6.2	436.7	5.4	561.9	4.9
215.8	10.2	274.6	7.8	339.6	6.2	439.4	5.4	563.7	4.9
217.7	10.2	274.6	7.8	342.4	6.2	442.2	5.4	567.4	4.9
218.6	10.2	275.6	7.7	344.3	6.2	445.0	5.4	570.1	4.9
219.6	10.2	275.6	7.6	345.2	6.2	446.9	5.4	572.9	4.9
220.5	10.1	275.6	7.6	348.1	6.2	450.6	5.4	575.6	4.9
221.5	10.1	276.5	7.5	349.9	6.1	452.4	5.4	578.3	4.9
222.4	10.0	277.4	7.5	350.9	6.1	456.1	5.4	582.0	4.9
223.4	9.9	277.4	7.4	352.7	6.1	458.0	5.4	583.8	4.9
224.4	9.8	277.4	7.4	354.6	6.1	459.8	5.4	586.5	4.9
225.3	9.8	278.4	7.3	355.6	6.1	461.7	5.3	589.3	4.9
227.2	9.8	279.3	7.3	357.4	6.0	462.6	5.3	592.0	4.9
228.2	9.7	281.2	7.2	360.2	6.0	465.4	5.3	594.7	4.9
229.1	9.7	283.1	7.2	361.2	6.0	468.2	5.3	597.5	4.9
229.1	9.6	284.1	7.2	364.0	6.1	470.0	5.3	599.3	4.8
230.1	9.5	285.0	7.2	365.8	6.0	473.7	5.3	601.1	4.8
231.0	9.5	286.9	7.1	367.7	6.0	476.5	5.3	604.8	4.8
232.0	9.5	288.8	7.1	369.6	6.0	480.2	5.3	607.5	4.8
232.9	9.4	290.7	7.1	372.4	6.0	482.9	5.3	609.3	4.8
234.8	9.4	291.6	7.1	373.3	6.0	485.7	5.3	611.1	4.8
235.8	9.4	293.5	7.0	374.3	5.9	489.4	5.3	613.8	4.8
237.7	9.4	293.5	6.9	376.1	5.9	492.2	5.3	615.7	4.8
238.6	9.3	294.4	6.9	378.0	5.9	494.9	5.3	619.3	4.7
239.6	9.2	294.4	6.8	379.9	5.8	497.7	5.3	623.8	4.7
242.4	9.2	295.4	6.7	381.7	5.8	500.4	5.3	626.5	4.7
244.3	9.2	297.3	6.7	383.6	5.8	503.2	5.3	631.1	4.7
246.2	9.2	298.2	6.6	385.5	5.7	505.0	5.3	633.8	4.7
248.1	9.2	299.2	6.6	388.3	5.8	506.0	5.2	637.4	4.7
250.0	9.2	300.1	6.6	389.2	5.7	508.7	5.2	640.1	4.7
251.9	9.2	302.9	6.6	390.1	5.7	513.3	5.2	643.8	4.7
254.7	9.2	304.8	6.6	392.9	5.7	516.1	5.2	646.5	4.7
256.6	9.2	306.7	6.6	393.9	5.7	517.0	5.2	650.1	4.7
258.5	9.2	306.7	6.5	396.7	5.7	520.7	5.2	651.0	4.7
259.5	9.1	307.6	6.5	398.5	5.7	522.5	5.2	653.7	4.7
260.4	9.1	308.6	6.4	400.4	5.6	524.4	5.2	656.4	4.7
261.4	9.0	310.5	6.4	404.1	5.6	526.2	5.2	660.0	4.7
263.3	8.9	311.4	6.4	406.0	5.6	528.9	5.1	661.8	4.7
263.3	8.8	313.3	6.4	407.8	5.5	532.6	5.2	666.3	4.7
264.2	8.6	315.2	6.4	409.7	5.5	534.4	5.1	668.1	4.7
265.1	8.5	318.0	6.4	411.6	5.5	536.3	5.1	670.9	4.6
265.1	8.4	319.9	6.4	413.4	5.5	538.1	5.1	674.5	4.6

STA 41 DAY: 3 TIME: 0719

DEPTH (m)	TEMP (°C)
676.3	4.6
679.9	4.6
679.9	4.6
682.6	4.6
684.4	4.6
686.2	4.6
688.9	4.6
691.6	4.6
693.4	4.6
696.1	4.5
698.8	4.5
702.3	4.5
704.1	4.5
708.6	4.5
712.2	4.5
714.9	4.5
718.5	4.5
722.1	4.5
724.8	4.5
726.6	4.5
731.0	4.5
733.7	4.5
736.4	4.5
739.1	4.5
741.8	4.5
745.3	4.5
748.9	4.5
752.5	4.5
754.3	4.5
756.9	4.5
761.4	4.5
762.3	4.4
765.0	4.4
767.6	4.4
771.2	4.4
775.7	4.4
778.3	4.4
781.0	4.4
783.7	4.4
786.3	4.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	42	03 FEB 1982	0759	40°14.2'N	67°59.6'W	1050

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
4	4.4	6.570	33.229	6.80	0.24	26.081	0.000	1475.	3.2
6	5.8	6.569	33.229	6.81	0.24	26.081	0.003	1475.	3.2
8	8.0	6.573	33.232	6.80	0.24	26.083	0.007	1475.	3.2
10	10.1	6.589	33.240	6.81	0.24	26.087	0.011	1475.	3.2
12	12.0	6.598	33.244	6.78	0.24	26.089	0.014	1475.	3.2
14	14.1	6.635	33.260	6.79	0.24	26.097	0.019	1475.	3.4
16	15.8	6.694	33.282	6.73	0.24	26.107	0.022	1476.	3.5
18	18.1	6.760	33.307	6.73	0.23	26.117	0.026	1476.	3.6
20	19.8	6.822	33.335	6.74	0.23	26.132	0.029	1476.	3.8
22	22.0	6.877	33.346	6.71	0.23	26.133	0.033	1476.	4.1
24	24.1	6.983	33.375	6.72	0.22	26.141	0.037	1477.	4.6
26	26.0	7.071	33.394	6.68	0.21	26.144	0.041	1477.	5.7
28	28.1	7.304	33.468	6.64	0.20	26.170	0.045	1478.	6.6
30	29.9	7.759	33.578	6.51	0.19	26.192	0.048	1480.	7.5
32	32.1	8.258	33.723	6.42	0.18	26.233	0.052	1482.	7.9
34	34.1	8.969	33.971	6.28	0.18	26.318	0.055	1485.	8.1
36	35.9	9.565	34.149	6.14	0.17	26.361	0.059	1488.	8.0
38	38.0	9.916	34.274	6.04	0.16	26.400	0.062	1489.	7.6
40	40.0	9.993	34.324	5.97	0.16	26.426	0.065	1490.	6.9
42	42.0	10.166	34.392	5.89	0.16	26.449	0.068	1490.	6.1
44	44.1	10.375	34.473	5.83	0.16	26.476	0.072	1491.	5.8
46	45.9	10.415	34.487	5.80	0.16	26.480	0.075	1491.	5.7
48	48.1	10.707	34.583	5.74	0.16	26.504	0.078	1493.	5.6
50	50.0	10.899	34.642	5.72	0.15	26.515	0.081	1493.	5.4
52	52.0	11.401	34.801	5.64	0.15	26.548	0.084	1495.	5.2
54	54.0	11.731	34.916	5.58	0.15	26.575	0.087	1497.	5.2
56	56.1	11.719	34.923	5.53	0.15	26.583	0.090	1497.	5.1
58	58.0	11.701	34.925	5.49	0.15	26.588	0.093	1497.	4.9
60	60.1	11.816	34.971	5.46	0.15	26.602	0.096	1497.	4.5
62	62.0	12.106	35.065	5.43	0.15	26.620	0.098	1498.	4.2
64	64.1	12.350	35.155	5.43	0.14	26.643	0.101	1499.	4.1
66	65.9	12.406	35.173	5.42	0.14	26.645	0.104	1499.	3.8
68	68.0	12.446	35.186	5.38	0.14	26.648	0.107	1500.	3.3
70	70.0	12.454	35.196	5.39	0.14	26.654	0.109	1500.	2.8
72	72.0	12.483	35.214	5.40	0.14	26.662	0.112	1500.	2.6
73	73.8	12.499	35.219	5.41	0.14	26.663	0.115	1500.	2.7
76	76.1	12.506	35.220	5.40	0.14	26.662	0.118	1500.	2.9
77	77.9	12.550	35.238	5.36	0.14	26.668	0.120	1500.	3.3
80	80.0	12.694	35.292	5.31	0.14	26.681	0.123	1501.	3.6
82	82.0	12.709	35.298	5.26	0.14	26.683	0.126	1501.	3.9
83	83.9	12.769	35.326	5.20	0.14	26.693	0.129	1501.	4.0
86	86.3	12.834	35.376	5.16	0.14	26.718	0.132	1501.	4.1
87	87.9	12.809	35.382	5.07	0.14	26.728	0.134	1501.	4.1
90	90.0	12.767	35.375	5.01	0.14	26.731	0.137	1501.	4.2
91	92.0	12.750	35.377	4.93	0.14	26.736	0.139	1501.	4.1
94	94.1	12.806	35.416	4.87	0.14	26.755	0.142	1502.	4.0
95	96.0	12.790	35.422	4.85	0.14	26.763	0.145	1502.	4.2
98	98.1	12.466	35.354	4.86	0.14	26.774	0.147	1500.	4.2
99	99.9	12.258	35.313	4.82	0.14	26.783	0.150	1500.	4.1
101	102.0	12.600	35.423	4.74	0.14	26.801	0.152	1501.	3.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	42	03 FEB 1982	0759	40°14.2'N	67°59.6'W	1050

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
104	104.2	12.807	35.491	4.68	0.14	26.813	0.155	1502.	3.8
105	105.8	12.813	35.494	4.60	0.13	26.814	0.157	1502.	3.8
108	108.2	12.869	35.517	4.55	0.13	26.821	0.160	1502.	3.8
109	109.6	12.905	35.532	4.50	0.13	26.825	0.162	1502.	3.8
111	112.1	12.863	35.535	4.49	0.13	26.836	0.165	1502.	3.8
114	114.3	12.627	35.498	4.49	0.13	26.854	0.168	1501.	3.8
115	115.9	12.647	35.517	4.43	0.14	26.865	0.170	1502.	3.9
117	118.1	12.731	35.550	4.39	0.13	26.874	0.172	1502.	4.0
119	120.1	12.734	35.553	4.34	0.13	26.875	0.175	1502.	4.0
121	122.0	12.726	35.555	4.29	0.13	26.878	0.177	1502.	3.9
123	124.0	12.645	35.556	4.26	0.13	26.896	0.179	1502.	3.9
125	126.1	12.583	35.563	4.23	0.13	26.914	0.182	1502.	3.8
127	128.0	12.497	35.556	4.16	0.13	26.925	0.184	1501.	3.7
129	129.9	12.474	35.554	4.08	0.13	26.928	0.186	1501.	3.5
131	131.9	12.435	35.548	4.07	0.13	26.931	0.189	1501.	3.4
133	134.0	12.452	35.555	4.08	0.13	26.933	0.191	1501.	3.2
136	136.3	12.401	35.550	4.08	0.13	26.939	0.194	1501.	3.2
137	137.9	12.225	35.517	4.08	0.13	26.948	0.195	1500.	3.6
139	140.0	11.731	35.417	4.12	0.14	26.965	0.198	1499.	4.1
141	142.1	11.631	35.393	4.11	0.15	26.966	0.200	1498.	4.8
143	143.9	11.546	35.379	4.15	0.15	26.970	0.202	1498.	5.2
145	146.0	11.800	35.472	4.12	0.15	26.995	0.204	1499.	5.3
147	148.0	11.678	35.472	4.11	0.14	27.018	0.207	1499.	5.3
149	149.9	11.241	35.416	4.04	0.14	27.056	0.209	1497.	5.2
151	152.0	11.169	35.419	3.95	0.14	27.072	0.211	1497.	4.9
153	154.2	11.174	35.425	3.89	0.13	27.075	0.213	1497.	4.3
155	155.9	11.170	35.428	3.83	0.13	27.078	0.215	1497.	3.7
157	158.1	11.076	35.418	3.80	0.13	27.088	0.217	1497.	3.1
159	159.8	11.029	35.412	3.80	0.13	27.092	0.219	1497.	3.0
161	162.0	10.997	35.408	3.80	0.13	27.094	0.221	1497.	3.1
163	164.0	10.899	35.393	3.81	0.13	27.101	0.223	1496.	3.1
165	165.9	10.841	35.389	3.82	0.13	27.108	0.225	1496.	3.2
167	168.0	10.742	35.378	3.83	0.13	27.117	0.227	1496.	3.2
169	170.2	10.645	35.364	3.85	0.13	27.124	0.229	1495.	3.1
171	171.7	10.586	35.351	3.84	0.13	27.124	0.230	1495.	3.1
173	173.9	10.516	35.349	3.83	0.13	27.135	0.232	1495.	3.1
175	176.0	10.471	35.343	3.82	0.13	27.138	0.234	1495.	3.4
177	178.1	10.428	35.336	3.81	0.13	27.141	0.236	1495.	3.5
179	179.9	10.333	35.325	3.79	0.13	27.149	0.238	1494.	3.6
181	182.0	10.250	35.322	3.80	0.13	27.160	0.240	1494.	3.5
183	184.1	9.978	35.286	3.81	0.13	27.179	0.242	1493.	3.3
185	186.1	9.987	35.286	3.80	0.13	27.178	0.244	1493.	3.0
187	187.9	9.938	35.279	3.80	0.13	27.181	0.246	1493.	2.5
189	190.0	9.919	35.278	3.82	0.13	27.184	0.247	1493.	1.8
191	192.0	9.919	35.278	3.82	0.13	27.184	0.249	1493.	0.9
193	194.1	9.924	35.279	3.81	0.13	27.183	0.251	1493.	0.8
195	195.8	9.925	35.279	3.79	0.13	27.183	0.253	1493.	0.4
197	198.0	9.930	35.279	3.80	0.13	27.182	0.255	1493.	1.4
199	200.1	9.931	35.280	3.81	0.13	27.183	0.257	1493.	2.1
201	201.7	9.932	35.280	3.81	0.13	27.182	0.258	1493.	2.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	42	03 FEB 1982	0759	40°14.2'N	67°59.6'W	1050

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
203	204.0	9.937	35.281	3.82	0.13	27.183	0.260	1493.	3.0
205	206.1	9.723	35.260	3.84	0.13	27.203	0.262	1493.	3.5
207	208.0	9.625	35.247	3.84	0.13	27.209	0.264	1492.	3.6
209	210.2	9.552	35.237	3.83	0.13	27.213	0.266	1492.	3.7
211	211.8	9.414	35.222	3.82	0.13	27.225	0.267	1491.	3.7
213	214.1	9.301	35.214	3.83	0.13	27.237	0.269	1491.	3.4
215	216.2	9.244	35.204	3.85	0.13	27.239	0.271	1491.	3.8
217	217.8	9.189	35.199	3.85	0.13	27.244	0.273	1491.	4.0
219	219.9	9.111	35.193	3.86	0.13	27.251	0.274	1490.	4.1
221	222.1	9.025	35.184	3.87	0.13	27.259	0.276	1490.	4.1
223	224.0	8.712	35.156	3.93	0.13	27.287	0.278	1489.	4.1
225	226.0	8.613	35.148	3.97	0.13	27.296	0.279	1489.	3.9
227	228.0	8.532	35.143	4.01	0.13	27.305	0.281	1488.	3.5
229	230.1	8.530	35.144	4.03	0.13	27.306	0.283	1488.	3.0
231	231.9	8.525	35.145	4.04	0.13	27.307	0.284	1488.	2.4
233	234.2	8.495	35.141	4.07	0.13	27.309	0.286	1488.	2.4
234	235.8	8.482	35.141	4.08	0.13	27.311	0.287	1488.	2.4
237	238.1	8.435	35.137	4.11	0.13	27.316	0.289	1488.	2.6
238	239.8	8.381	35.134	4.12	0.13	27.321	0.290	1488.	3.3
241	242.1	8.319	35.131	4.16	0.13	27.328	0.292	1488.	3.8
243	244.0	8.303	35.130	4.21	0.13	27.330	0.294	1488.	4.2
245	246.0	8.240	35.125	4.24	0.13	27.336	0.295	1488.	4.5
246	247.9	7.872	35.100	4.31	0.14	27.372	0.297	1486.	4.9
249	250.1	7.715	35.084	4.34	0.14	27.383	0.298	1486.	5.0
251	252.1	7.595	35.073	4.42	0.14	27.392	0.300	1485.	4.9
252	253.8	7.395	35.057	4.47	0.13	27.408	0.301	1484.	4.6
254	256.0	7.214	35.054	4.52	0.13	27.432	0.303	1484.	3.9
257	258.2	7.171	35.050	4.54	0.13	27.435	0.304	1484.	3.6
258	259.8	7.153	35.051	4.55	0.13	27.437	0.305	1484.	3.1
260	262.1	7.137	35.050	4.54	0.13	27.439	0.307	1484.	2.5
263	264.2	7.107	35.047	4.57	0.13	27.441	0.308	1483.	2.0
264	265.7	7.084	35.046	4.56	0.13	27.443	0.309	1483.	2.1
267	268.2	7.061	35.045	4.56	0.13	27.446	0.311	1483.	2.3
268	269.8	7.041	35.043	4.58	0.13	27.448	0.312	1483.	2.4
271	272.2	6.978	35.039	4.56	0.13	27.453	0.313	1483.	2.6
272	273.7	6.919	35.032	4.57	0.13	27.456	0.314	1483.	2.6
274	276.0	6.853	35.030	4.57	0.13	27.463	0.316	1483.	2.6
276	278.1	6.806	35.026	4.60	0.13	27.467	0.317	1482.	2.4
278	280.0	6.763	35.023	4.62	0.13	27.470	0.318	1482.	2.2
280	281.9	6.743	35.022	4.61	0.13	27.472	0.320	1482.	2.0
282	284.0	6.727	35.021	4.59	0.13	27.473	0.321	1482.	1.6
284	286.1	6.697	35.018	4.60	0.13	27.475	0.322	1482.	1.3
286	288.1	6.687	35.017	4.64	0.13	27.475	0.324	1482.	1.1
288	289.8	6.684	35.016	4.63	0.13	27.475	0.325	1482.	1.2
290	292.0	6.682	35.015	4.62	0.13	27.475	0.326	1482.	1.5
292	294.2	6.677	35.016	4.62	0.13	27.476	0.328	1482.	1.7
294	295.7	6.650	35.011	4.64	0.13	27.476	0.329	1482.	1.9
296	298.1	6.587	35.007	4.66	0.13	27.481	0.330	1482.	2.2
298	300.0	6.533	35.005	4.70	0.13	27.487	0.331	1482.	2.3
300	302.0	6.527	35.005	4.69	0.13	27.487	0.333	1482.	2.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	42	03 FEB 1982	0759	40°14.2'N	67°59.6'W	1050

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
302	304.2	6.485	35.001	4.69	0.13	27.491	0.334	1482.	2.2
304	305.9	6.433	35.000	4.71	0.13	27.496	0.335	1481.	2.0
306	308.1	6.421	35.000	4.72	0.13	27.498	0.336	1481.	1.8
308	309.9	6.420	35.000	4.75	0.13	27.498	0.338	1481.	1.7
310	312.1	6.411	35.000	4.74	0.13	27.499	0.339	1481.	1.6
312	314.0	6.402	34.999	4.75	0.13	27.499	0.340	1481.	1.5
314	315.9	6.384	34.999	4.75	0.13	27.502	0.341	1481.	1.6
316	318.1	6.374	34.999	4.77	0.13	27.503	0.343	1481.	1.7
318	320.4	6.362	35.000	4.77	0.13	27.506	0.344	1481.	1.7
320	321.8	6.352	35.000	4.79	0.13	27.507	0.345	1481.	1.7
322	324.0	6.329	35.000	4.81	0.13	27.510	0.346	1481.	1.6
324	325.9	6.319	34.999	4.80	0.13	27.511	0.347	1481.	1.6
326	328.2	6.314	34.999	4.80	0.13	27.512	0.349	1481.	1.7
328	329.8	6.310	34.999	4.82	0.13	27.512	0.350	1481.	1.9
330	332.0	6.286	34.998	4.83	0.13	27.514	0.351	1481.	2.2
332	334.2	6.251	34.996	4.83	0.13	27.518	0.352	1481.	2.5
334	335.8	6.193	34.991	4.87	0.13	27.521	0.353	1481.	2.8
336	338.0	6.160	34.993	4.89	0.13	27.527	0.355	1481.	3.0
338	339.9	6.104	34.991	4.92	0.13	27.533	0.356	1481.	3.1
340	342.3	6.006	34.987	4.95	0.13	27.542	0.357	1480.	3.0
342	343.9	5.969	34.988	4.97	0.13	27.548	0.358	1480.	2.9
344	346.1	5.918	34.985	5.00	0.13	27.552	0.360	1480.	2.7
346	347.9	5.886	34.983	5.03	0.13	27.554	0.361	1480.	2.4
348	350.2	5.864	34.982	5.05	0.13	27.556	0.362	1480.	2.1
350	351.8	5.848	34.982	5.06	0.13	27.558	0.363	1480.	1.8
352	354.0	5.821	34.982	5.04	0.13	27.561	0.364	1480.	1.6
354	356.0	5.808	34.981	5.08	0.13	27.562	0.365	1480.	1.5
356	358.1	5.806	34.981	5.09	0.13	27.563	0.366	1480.	1.4
358	360.0	5.802	34.981	5.07	0.13	27.563	0.367	1480.	1.3
360	362.2	5.793	34.980	5.06	0.13	27.564	0.369	1480.	1.1
362	363.8	5.784	34.980	5.11	0.13	27.565	0.370	1480.	1.1
364	366.0	5.771	34.980	5.07	0.13	27.566	0.371	1480.	1.1
366	368.2	5.766	34.979	5.09	0.13	27.566	0.372	1480.	1.1
368	369.9	5.765	34.979	5.11	0.13	27.567	0.373	1480.	1.1
370	372.2	5.758	34.980	5.12	0.14	27.568	0.374	1480.	1.2
372	373.9	5.757	34.979	5.13	0.13	27.568	0.375	1480.	1.2
374	376.1	5.743	34.979	5.13	0.14	27.569	0.376	1480.	1.3
375	377.9	5.728	34.979	5.14	0.14	27.571	0.377	1480.	1.3
378	380.1	5.719	34.979	5.11	0.14	27.572	0.379	1480.	1.2
379	381.9	5.714	34.979	5.14	0.14	27.573	0.380	1480.	1.2
381	383.9	5.710	34.979	5.15	0.14	27.573	0.381	1480.	1.1
384	386.1	5.706	34.978	5.14	0.14	27.573	0.382	1480.	1.1
386	388.1	5.700	34.978	5.17	0.14	27.574	0.383	1480.	1.1
387	389.8	5.690	34.978	5.17	0.14	27.575	0.384	1480.	1.1
389	392.0	5.690	34.979	5.15	0.13	27.576	0.385	1480.	1.1
392	394.2	5.686	34.980	5.16	0.13	27.577	0.386	1480.	1.1
393	396.0	5.684	34.980	5.17	0.13	27.577	0.387	1480.	1.1
395	398.0	5.677	34.980	5.15	0.13	27.578	0.389	1480.	1.0
398	400.1	5.674	34.980	5.15	0.13	27.578	0.390	1480.	1.0
399	402.0	5.666	34.980	5.18	0.13	27.579	0.391	1480.	1.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	42	03 FEB 1982	0759	40°14.2'N	67°59.6'W	1050

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
401	403.9	5.658	34.979	5.17	0.13	27.579	0.392	1480.	1.0
403	406.1	5.652	34.979	5.16	0.13	27.580	0.393	1480.	0.9
405	407.8	5.651	34.979	5.19	0.13	27.580	0.394	1480.	1.0
407	410.0	5.643	34.978	5.19	0.13	27.581	0.395	1480.	1.1
409	412.0	5.640	34.978	5.17	0.13	27.581	0.396	1480.	1.2
411	413.8	5.638	34.978	5.21	0.13	27.582	0.397	1480.	1.4
413	416.0	5.618	34.977	5.20	0.13	27.583	0.399	1480.	1.5
415	418.1	5.600	34.976	5.20	0.13	27.585	0.400	1480.	1.6
417	419.8	5.571	34.975	5.24	0.13	27.587	0.401	1480.	1.6
419	422.1	5.549	34.975	5.22	0.14	27.590	0.402	1480.	1.6
421	423.9	5.543	34.975	5.23	0.14	27.590	0.403	1480.	1.4
423	426.1	5.540	34.975	5.26	0.14	27.591	0.404	1480.	1.3
425	427.9	5.533	34.975	5.28	0.14	27.591	0.405	1480.	1.1
427	430.1	5.527	34.974	5.27	0.14	27.592	0.406	1480.	1.0
429	431.8	5.525	34.974	5.29	0.14	27.592	0.407	1480.	1.0
431	434.0	5.519	34.974	5.29	0.14	27.593	0.408	1480.	1.0
433	436.2	5.512	34.974	5.28	0.14	27.594	0.409	1480.	1.0
435	437.8	5.507	34.974	5.31	0.14	27.594	0.410	1480.	1.1
437	440.1	5.503	34.974	5.30	0.14	27.595	0.412	1480.	1.3
439	441.9	5.496	34.974	5.31	0.14	27.595	0.413	1480.	1.5
441	444.1	5.484	34.973	5.30	0.14	27.596	0.414	1480.	1.5
443	446.2	5.469	34.973	5.31	0.14	27.598	0.415	1480.	1.6
445	447.9	5.440	34.972	5.33	0.14	27.601	0.416	1480.	1.5
447	450.1	5.419	34.972	5.33	0.14	27.603	0.417	1480.	1.4
449	451.8	5.419	34.972	5.35	0.14	27.603	0.418	1480.	1.3
451	454.3	5.418	34.972	5.35	0.14	27.604	0.419	1480.	1.2
453	455.8	5.418	34.972	5.38	0.14	27.603	0.420	1480.	1.1
455	458.1	5.418	34.972	5.37	0.14	27.603	0.421	1480.	1.1
457	460.0	5.404	34.971	5.39	0.14	27.604	0.422	1480.	1.2
459	461.9	5.384	34.971	5.39	0.14	27.607	0.423	1480.	1.3
461	464.0	5.378	34.971	5.39	0.14	27.608	0.424	1480.	1.3
463	466.0	5.373	34.971	5.41	0.14	27.608	0.425	1480.	1.2
465	467.9	5.367	34.971	5.41	0.15	27.609	0.427	1480.	1.1
467	470.2	5.359	34.971	5.41	0.15	27.610	0.428	1480.	1.0
469	471.8	5.356	34.971	5.43	0.15	27.610	0.429	1480.	1.0
471	474.0	5.353	34.971	5.42	0.15	27.610	0.430	1480.	1.0
473	476.2	5.348	34.970	5.41	0.15	27.611	0.431	1480.	1.0
475	477.8	5.345	34.970	5.44	0.15	27.611	0.432	1480.	0.9
477	480.0	5.338	34.970	5.44	0.15	27.612	0.433	1480.	1.0
478	481.2	5.336	34.971	5.42	0.15	27.612	0.434	1480.	1.0
479	482.0	5.334	34.971	5.43	0.15	27.613	0.434	1480.	1.0
480	483.0	5.331	34.970	5.45	0.14	27.613	0.434	1480.	0.9
481	484.0	5.331	34.971	5.44	0.14	27.613	0.435	1480.	1.0
482	485.0	5.328	34.970	5.43	0.14	27.613	0.436	1480.	1.0
483	486.0	5.326	34.970	5.43	0.14	27.613	0.436	1480.	1.0
484	487.1	5.321	34.970	5.43	0.14	27.614	0.437	1480.	1.0
485	488.0	5.316	34.970	5.44	0.14	27.614	0.437	1480.	1.0
486	488.9	5.316	34.970	5.45	0.14	27.615	0.438	1480.	1.0
487	490.0	5.316	34.970	5.41	0.14	27.614	0.438	1480.	1.0

STA 43 DAY: 3 TIME: 0840

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	6.4	50.6	8.8	72.8	11.3	115.3	12.0	164.2	10.2
1.9	6.4	51.5	8.9	73.8	11.3	116.2	12.0	166.2	10.1
3.9	6.4	50.6	9.0	73.8	11.4	117.2	12.0	167.1	10.0
7.8	6.4	51.5	9.0	74.8	11.4	118.2	11.9	168.1	10.0
9.7	6.4	51.5	9.2	75.7	11.4	119.1	12.0	169.0	9.9
12.7	6.4	51.5	9.3	76.7	11.4	120.1	12.0	170.0	9.9
13.6	6.4	52.5	9.5	77.7	11.5	122.0	12.0	170.9	9.9
16.6	6.4	52.5	9.6	78.6	11.5	123.0	11.9	172.9	9.9
18.5	6.4	52.5	9.7	79.6	11.5	123.9	11.9	173.8	9.8
20.4	6.4	52.5	9.8	80.6	11.6	125.9	11.9	174.8	9.7
22.4	6.4	52.5	9.9	82.5	11.6	125.9	11.9	175.7	9.7
24.3	6.4	53.5	10.0	82.5	11.6	126.8	11.8	176.7	9.7
26.3	6.4	53.5	10.1	82.5	11.7	127.8	11.8	177.6	9.7
27.3	6.4	53.5	10.2	83.5	11.8	128.7	11.7	179.5	9.6
28.2	6.4	54.4	10.3	83.5	11.9	129.7	11.7	180.5	9.5
30.2	6.4	55.4	10.4	84.4	12.0	131.6	11.7	180.5	9.5
32.1	6.4	55.4	10.4	84.4	12.1	132.6	11.7	181.5	9.4
33.1	6.5	56.4	10.4	84.4	12.1	133.5	11.6	182.4	9.3
34.1	6.5	57.3	10.4	85.4	12.2	134.5	11.6	182.4	9.3
35.0	6.5	58.3	10.4	86.4	12.2	135.5	11.6	183.4	9.2
36.0	6.5	58.3	10.5	88.3	12.2	136.4	11.6	183.4	9.1
37.0	6.6	59.3	10.5	89.2	12.2	136.4	11.5	184.3	9.1
37.9	6.6	59.3	10.5	90.2	12.3	137.4	11.5	185.3	9.0
37.9	6.7	60.2	10.5	91.2	12.3	137.4	11.4	187.2	9.0
38.9	6.8	60.2	10.5	91.2	12.4	139.3	11.4	190.1	9.0
39.9	6.8	61.2	10.5	92.1	12.5	141.2	11.4	192.0	9.0
39.9	6.9	61.2	10.4	92.1	12.7	142.2	11.4	195.8	9.0
40.9	6.9	61.2	10.4	93.1	12.8	142.2	11.3	197.7	9.0
40.9	7.0	61.2	10.3	95.0	12.8	144.1	11.3	199.6	9.0
42.8	7.0	62.2	10.2	96.0	12.8	145.1	11.2	202.5	9.0
43.8	7.0	62.2	10.2	97.9	12.8	146.0	11.2	203.4	9.0
43.8	7.1	63.1	10.2	99.9	12.8	147.0	11.1	205.3	9.0
44.7	7.2	63.1	10.2	100.8	12.8	147.9	11.1	206.3	8.9
45.7	7.3	64.1	10.3	102.8	12.8	148.9	11.1	208.2	8.9
45.7	7.4	64.1	10.4	103.7	12.8	150.8	11.1	209.1	8.9
46.7	7.5	64.1	10.5	104.7	12.8	151.8	11.1	211.0	8.9
46.7	7.5	65.1	10.5	105.6	12.7	152.7	11.0	212.9	8.9
46.7	7.6	65.1	10.6	105.6	12.6	152.7	11.0	214.8	8.9
46.7	7.8	65.1	10.6	106.6	12.5	154.7	10.9	215.8	8.9
46.7	8.0	65.1	10.7	106.6	12.4	155.6	10.8	217.7	8.8
47.6	8.0	66.0	10.8	107.6	12.3	156.6	10.8	219.6	8.8
47.6	8.1	66.0	10.8	107.6	12.3	157.5	10.7	220.5	8.8
47.6	8.2	67.0	11.0	108.5	12.2	158.5	10.6	222.4	8.8
48.6	8.3	67.0	11.0	108.5	12.1	158.5	10.6	223.4	8.8
48.6	8.3	68.0	11.1	109.5	12.1	159.4	10.5	224.4	8.8
48.6	8.4	69.0	11.1	109.5	12.0	159.4	10.5	225.3	8.7
49.6	8.5	69.9	11.1	110.5	12.0	161.4	10.4	226.3	8.7
49.6	8.5	70.9	11.2	111.4	12.1	162.3	10.3	226.3	8.6
50.6	8.5	70.9	11.2	113.4	12.1	163.3	10.3	228.2	8.6
50.6	8.7	71.9	11.3	114.3	12.0	164.2	10.2	228.2	8.6

STA 43 DAY: 3 TIME: 0840

DEPTH (m)	TEMP (°C)
229.1	8.5
229.1	8.4
230.1	8.4
230.1	8.4
231.0	8.3
232.0	8.3
232.9	8.3
234.8	8.2
236.7	8.2
236.7	8.2
238.6	8.2
239.6	8.1
240.5	8.1
241.5	8.1
242.4	8.0
243.4	8.0
244.3	8.0
245.2	8.0
247.1	8.0
248.1	7.9
249.0	7.9
250.9	7.9

STA 44 DAY: 3 TIME: 0900

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	6.7	37.0	11.2	95.0	11.7
0.0	6.6	38.9	11.2	96.0	11.7
1.0	6.6	40.9	11.3	97.0	11.6
1.9	6.5	41.8	11.3	97.0	11.5
4.9	6.5	43.8	11.3	97.9	11.4
6.8	6.5	45.7	11.4	97.9	11.3
8.8	6.5	46.7	11.4	98.9	11.3
10.7	6.5	48.6	11.4	100.8	11.2
13.6	6.5	49.6	11.5	102.8	11.2
15.6	6.5	51.5	11.5	104.7	11.2
17.5	6.5	52.5	11.5	105.6	11.2
18.5	6.5	53.5	11.6	107.6	11.2
20.4	6.6	55.4	11.6	110.5	11.1
20.4	6.6	55.4	11.7	111.4	11.1
22.4	6.6	56.4	11.8	112.4	11.1
23.4	6.6	59.3	11.8	113.4	11.0
24.3	6.7	60.2	11.8	115.3	11.0
24.3	6.8	62.2	11.8	116.2	10.9
24.3	6.9	63.1	11.9	118.2	10.9
24.3	7.0	64.1	11.9	118.2	10.8
25.3	7.1	66.0	11.9	119.1	10.8
25.3	7.2	69.0	11.9	120.1	10.7
26.3	7.3	70.9	11.9	122.0	10.7
26.3	7.4	72.8	12.0	123.9	10.6
26.3	7.5	74.8	12.0	125.9	10.6
27.3	7.6	76.7	12.0	126.8	10.6
27.3	7.7	76.7	12.1	128.7	10.6
28.2	7.8	76.7	12.1	130.7	10.6
28.2	7.9	77.7	12.1	131.6	10.6
28.2	8.0	78.6	12.2	133.5	10.5
29.2	8.1	79.6	12.2	133.5	10.5
29.2	8.3	79.6	12.3	133.5	10.4
29.2	8.4	80.6	12.3	134.5	10.4
29.2	8.6	81.5	12.4	134.5	10.3
30.2	8.8	81.5	12.4	135.5	10.2
30.2	9.0	82.5	12.4	136.4	10.2
30.2	9.2	83.5	12.4	137.4	10.2
30.2	9.4	84.4	12.3	139.3	10.1
30.2	9.6	84.4	12.2	140.3	10.1
30.2	9.8	84.4	12.2	141.2	10.1
30.2	10.0	85.4	12.2	142.2	10.1
31.1	10.1	86.4	12.1	143.1	10.1
31.1	10.4	86.4	12.1		
31.1	10.5	87.3	12.0		
31.1	10.6	88.3	12.0		
32.1	10.7	89.2	12.0		
33.1	10.8	91.2	11.9		
34.1	11.0	92.1	11.9		
35.0	11.0	93.1	11.9		
36.0	11.1	94.1	11.8		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	45	03 FEB 1982	0920	40°24.5'N	68°00.0'W	144

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
4	4.2	6.434	33.243	6.52	0.24	26.110	0.000	1474.	1.4
6	6.1	6.424	33.243	6.56	0.23	26.111	0.003	1474.	1.4
8	8.0	6.405	33.243	6.59	0.23	26.113	0.007	1474.	1.4
10	10.0	6.390	33.244	6.60	0.23	26.116	0.011	1474.	1.4
12	12.0	6.393	33.246	6.61	0.23	26.117	0.015	1474.	1.4
14	13.9	6.395	33.247	6.56	0.23	26.118	0.018	1474.	1.4
16	16.0	6.396	33.247	6.50	0.23	26.118	0.022	1474.	1.7
18	18.1	6.398	33.248	6.56	0.23	26.119	0.026	1474.	2.1
20	19.9	6.409	33.253	6.54	0.23	26.121	0.029	1474.	2.6
22	22.0	6.421	33.257	6.55	0.23	26.122	0.033	1475.	3.7
24	24.1	6.515	33.287	6.57	0.22	26.134	0.038	1475.	5.0
26	26.1	6.640	33.320	6.52	0.21	26.144	0.041	1476.	6.1
28	27.8	6.733	33.345	6.44	0.21	26.151	0.044	1476.	7.1
30	30.2	7.324	33.523	6.35	0.19	26.211	0.049	1479.	7.8
32	32.0	7.893	33.692	6.17	0.18	26.263	0.052	1481.	8.1
34	34.0	8.649	33.910	6.03	0.16	26.320	0.055	1484.	8.1
36	36.0	9.253	34.101	5.87	0.16	26.374	0.059	1487.	7.7
38	37.8	9.768	34.255	5.67	0.15	26.410	0.062	1489.	7.0
40	40.1	10.044	34.329	5.57	0.15	26.421	0.065	1490.	6.1
42	41.9	10.248	34.392	5.48	0.14	26.435	0.068	1491.	5.3
44	44.1	10.480	34.463	5.40	0.14	26.450	0.072	1492.	4.8
45	45.7	10.600	34.504	5.35	0.14	26.461	0.074	1492.	5.2
48	48.2	10.688	34.534	5.29	0.14	26.469	0.078	1492.	5.7
49	49.7	10.814	34.587	5.25	0.14	26.488	0.081	1493.	5.8
52	52.2	11.038	34.669	5.19	0.14	26.511	0.084	1494.	5.8
53	53.7	11.370	34.828	5.09	0.14	26.575	0.087	1495.	5.7
56	56.1	11.530	34.882	5.01	0.13	26.586	0.090	1496.	5.6
58	57.9	11.538	34.882	4.95	0.13	26.585	0.093	1496.	5.3
60	60.1	11.653	34.923	4.90	0.13	26.596	0.096	1497.	5.1
61	61.8	11.735	34.961	4.87	0.13	26.610	0.098	1497.	5.1
64	64.0	11.748	34.991	4.84	0.13	26.631	0.101	1497.	5.8
66	66.0	11.704	35.002	4.82	0.13	26.647	0.104	1497.	6.2
68	68.0	11.656	35.029	4.81	0.14	26.677	0.107	1497.	6.3
70	70.1	11.626	35.074	4.80	0.14	26.718	0.110	1497.	6.1
71	71.7	11.598	35.109	4.73	0.15	26.751	0.112	1497.	5.8
74	74.0	11.589	35.126	4.70	0.15	26.766	0.115	1497.	5.3
76	76.1	11.591	35.137	4.67	0.15	26.774	0.118	1497.	4.7
77	77.9	11.580	35.145	4.64	0.15	26.782	0.120	1497.	4.1
80	80.2	11.563	35.147	4.65	0.15	26.787	0.123	1497.	3.8
81	81.6	11.529	35.149	4.63	0.15	26.795	0.125	1497.	3.9
84	84.1	11.496	35.159	4.63	0.16	26.808	0.128	1497.	4.0
86	86.1	11.467	35.167	4.64	0.16	26.820	0.130	1497.	4.1
87	87.9	11.438	35.172	4.61	0.16	26.830	0.132	1497.	4.0
90	90.1	11.395	35.177	4.63	0.16	26.842	0.135	1496.	3.8
91	91.9	11.340	35.178	4.61	0.17	26.852	0.137	1496.	3.6
93	93.9	11.306	35.180	4.60	0.17	26.860	0.140	1496.	3.2
96	96.1	11.293	35.181	4.62	0.17	26.863	0.142	1496.	2.8
97	98.0	11.279	35.183	4.62	0.17	26.867	0.145	1496.	2.4
99	99.9	11.278	35.186	4.62	0.17	26.870	0.147	1496.	2.1
101	102.0	11.278	35.188	4.60	0.18	26.871	0.150	1496.	1.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	I13	45	03 FEB 1982	0920	40°24.5'N	68°00.0'W	I44

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
103	104.1	11.278	35.189	4.59	0.18	26.872	0.152	1496.	1.9
105	106.0	11.280	35.192	4.56	0.18	26.874	0.154	1496.	1.9
107	107.9	11.284	35.196	4.57	0.18	26.876	0.157	1496.	2.3
109	110.1	11.288	35.200	4.55	0.18	26.879	0.159	1496.	2.6
111	111.8	11.285	35.204	4.54	0.18	26.883	0.161	1496.	2.9
113	114.0	11.289	35.211	4.51	0.18	26.887	0.164	1497.	3.0
115	116.1	11.275	35.225	4.52	0.18	26.901	0.166	1497.	3.1
117	117.7	11.270	35.229	4.48	0.18	26.905	0.168	1497.	3.0
119	120.1	11.259	35.236	4.44	0.18	26.913	0.171	1497.	2.8
121	121.9	11.258	35.240	4.44	0.18	26.916	0.173	1497.	2.6
123	124.0	11.256	35.246	4.43	0.18	26.921	0.175	1497.	2.2
125	126.1	11.257	35.247	4.42	0.18	26.921	0.178	1497.	2.0
127	128.0	11.257	35.247	4.41	0.18	26.921	0.180	1497.	1.7
129	130.1	11.253	35.250	4.41	0.18	26.924	0.182	1497.	1.5
130	131.2	11.251	35.250	4.40	0.18	26.925	0.184	1497.	1.3
131	132.0	11.251	35.251	4.39	0.18	26.925	0.185	1497.	1.2
132	133.1	11.251	35.251	4.39	0.18	26.925	0.186	1497.	1.1
133	133.9	11.252	35.251	4.39	0.18	26.925	0.187	1497.	1.1
134	135.0	11.252	35.251	4.38	0.18	26.925	0.188	1497.	1.1
135	136.0	11.252	35.251	4.37	0.18	26.925	0.189	1497.	1.1
136	136.8	11.252	35.251	4.37	0.18	26.925	0.190	1497.	1.1

STA 46 DAY: 3 TIME: 0951

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	6.2	56.4	7.5	95.0	9.8
1.0	6.1	56.4	7.6	95.0	9.9
1.0	6.1	57.3	7.7	96.0	9.9
1.0	6.0	57.3	7.8	97.0	10.0
1.9	5.9	58.3	7.9	97.9	9.9
2.9	5.9	59.3	7.9	97.9	9.9
4.9	5.9	60.2	8.0	98.9	9.8
5.8	5.9	60.2	8.0	99.9	9.8
7.8	5.9	61.2	8.0	100.8	9.7
9.7	5.9	62.2	8.1	101.8	9.7
11.7	5.9	63.1	8.1	103.7	9.7
13.6	5.9	64.1	8.2	104.7	9.7
15.6	5.9	64.1	8.3	105.6	9.7
17.5	5.9	64.1	8.4	108.5	9.7
19.5	5.9	65.1	8.5	109.5	9.7
21.4	5.9	65.1	8.5	111.4	9.6
23.4	5.9	65.1	8.6	112.4	9.7
26.3	5.9	66.0	8.7	114.3	9.7
28.2	5.9	67.0	8.7	117.2	9.7
31.1	5.9	68.0	8.8	119.1	9.7
33.1	5.9	69.0	8.8	121.1	9.7
36.0	5.9	69.9	8.8	122.0	9.7
37.0	5.9	70.9	8.8	124.9	9.7
39.9	5.9	71.9	8.8	126.8	9.7
40.9	5.9	72.8	8.8	127.8	9.7
40.9	5.9	73.8	8.8	129.7	9.8
41.8	5.9	73.8	8.8	130.7	9.8
42.8	6.0	74.8	8.8	130.7	9.8
43.8	6.0	75.7	8.9	132.6	9.8
44.7	6.1	76.7	8.9	132.6	9.8
44.7	6.1	77.7	9.0	133.5	9.8
44.7	6.2	78.6	9.1	134.5	9.8
45.7	6.4	78.6	9.1		
45.7	6.4	81.5	9.1		
46.7	6.5	82.5	9.1		
46.7	6.5	84.4	9.1		
47.6	6.6	85.4	9.1		
48.6	6.6	86.4	9.2		
49.6	6.6	86.4	9.2		
50.6	6.7	87.3	9.2		
50.6	6.7	88.3	9.3		
51.5	6.8	89.2	9.3		
52.5	6.8	90.2	9.3		
52.5	6.9	90.2	9.4		
52.5	7.0	90.2	9.5		
53.5	7.0	91.2	9.5		
53.5	7.1	93.1	9.5		
54.4	7.2	93.1	9.5		
55.4	7.3	93.1	9.6		
55.4	7.4	94.1	9.7		

STA 47 DAY: 3 TIME: 1010

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.9	5.4	68.0	5.4
1.9	5.3	69.9	5.4
2.9	5.2	71.9	5.4
3.9	5.1	74.8	5.5
5.8	5.1	75.7	5.5
8.8	5.1	77.7	5.5
9.7	5.1	78.6	5.5
11.7	5.1	79.6	5.6
12.7	5.1	81.5	5.6
13.6	5.1	82.5	5.7
14.6	5.1	82.5	5.7
16.6	5.1	83.5	5.7
16.6	5.1	84.4	5.8
17.5	5.1	85.4	5.8
18.5	5.1	87.3	5.8
20.4	5.1	88.3	5.9
21.4	5.1	88.3	5.9
23.4	5.1	89.2	6.0
25.3	5.1	91.2	6.0
26.3	5.1	91.2	6.1
27.3	5.1	91.2	6.2
29.2	5.1	92.1	6.2
31.1	5.1	92.1	6.2
33.1	5.1	94.1	6.2
34.1	5.1	95.0	6.2
36.0	5.1	96.0	6.2
37.0	5.1	97.0	6.4
37.0	5.1	97.9	6.4
37.9	5.2	97.9	6.5
38.9	5.2	98.9	6.5
39.9	5.2	99.9	6.6
40.9	5.2	100.8	6.6
41.8	5.2	100.8	6.6
42.8	5.2	101.8	6.7
43.8	5.3	102.8	6.7
44.7	5.3	103.7	6.7
44.7	5.3	104.7	6.8
45.7	5.4	104.7	6.9
46.7	5.4	104.7	7.1
47.6	5.4	104.7	7.2
48.6	5.4	105.6	7.3
49.6	5.4	105.6	7.4
51.5	5.4	105.6	7.5
55.4	5.4	106.6	7.6
56.4	5.4	106.6	7.7
58.3	5.4	106.6	7.8
59.3	5.4	107.6	7.8
62.2	5.4	108.5	7.8
64.1	5.4	108.5	7.8
66.0	5.4		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	48	03 FEB 1982	1030	40°35.1'N	68°01.8'W	108

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.3	5.127	32.880	7.06	0.23	25.981	0.000	1469.	2.1
4	3.7	5.128	32.882	7.08	0.23	25.982	0.003	1469.	2.1
6	6.4	5.118	32.883	7.11	0.22	25.984	0.008	1469.	2.1
8	7.8	5.108	32.885	7.07	0.22	25.987	0.011	1469.	2.1
10	9.6	5.097	32.884	7.11	0.22	25.987	0.015	1469.	2.1
12	11.8	5.036	32.903	7.04	0.23	26.009	0.019	1468.	2.1
14	14.0	5.037	32.881	7.15	0.23	25.992	0.023	1468.	1.8
16	16.3	5.028	32.877	7.11	0.22	25.990	0.028	1468.	1.8
18	18.1	4.996	32.896	7.10	0.23	26.008	0.032	1468.	1.7
20	20.1	4.997	32.891	7.09	0.23	26.004	0.036	1468.	1.7
22	22.0	4.970	32.879	7.10	0.23	25.997	0.039	1468.	1.7
24	24.1	4.916	32.889	7.12	0.24	26.012	0.044	1468.	1.6
26	26.0	4.894	32.882	7.10	0.23	26.008	0.047	1468.	-1.2
28	28.3	4.836	32.884	7.12	0.24	26.016	0.052	1468.	-1.4
30	30.1	4.803	32.854	7.15	0.24	25.996	0.056	1468.	-1.6
32	31.8	4.694	32.860	7.20	0.24	26.012	0.059	1467.	-1.9
34	34.1	4.688	32.826	7.12	0.25	25.986	0.064	1467.	-1.8
36	36.1	4.660	32.835	7.14	0.25	25.996	0.068	1467.	-1.5
38	38.5	4.673	32.836	7.16	0.26	25.996	0.072	1467.	-0.3
40	39.8	4.670	32.838	7.18	0.25	25.998	0.075	1467.	-0.9
42	42.5	4.669	32.836	7.16	0.26	25.996	0.080	1467.	0.9
44	43.9	4.676	32.842	7.19	0.25	26.000	0.083	1467.	-0.6
46	45.9	4.679	32.842	7.16	0.25	26.000	0.087	1467.	0.5
48	48.4	4.684	32.835	7.20	0.24	25.994	0.092	1467.	0.7
49	49.6	4.670	32.833	7.19	0.25	25.994	0.095	1467.	0.8
52	52.1	4.611	32.827	7.21	0.25	25.995	0.100	1467.	0.8
53	53.8	4.635	32.840	7.21	0.27	26.003	0.103	1467.	-0.5
56	56.0	4.587	32.832	7.22	0.26	26.001	0.108	1467.	-0.6
57	57.6	4.607	32.832	7.19	0.27	25.999	0.111	1467.	-0.8
60	59.9	4.601	32.832	7.21	0.26	26.000	0.115	1467.	-1.1
61	61.6	4.624	32.820	7.21	0.26	25.988	0.119	1467.	-1.3
64	64.0	4.708	32.837	7.18	0.25	25.992	0.123	1468.	-1.0
66	66.1	4.692	32.840	7.18	0.25	25.997	0.128	1468.	-0.6
68	68.0	4.590	32.822	7.23	0.26	25.994	0.132	1467.	0.5
70	70.0	4.575	32.822	7.20	0.28	25.995	0.136	1467.	1.1
72	72.1	4.574	32.823	7.22	0.28	25.996	0.140	1467.	0.6
73	73.8	4.575	32.822	7.21	0.28	25.995	0.143	1467.	0.1
76	76.1	4.570	32.822	7.20	0.29	25.996	0.148	1467.	0.6
77	77.7	4.567	32.822	7.22	0.28	25.996	0.151	1467.	0.3
80	80.3	4.570	32.821	7.18	0.29	25.995	0.156	1467.	0.2
82	82.2	4.571	32.822	7.20	0.28	25.996	0.160	1468.	0.2
83	83.6	4.575	32.824	7.19	0.27	25.996	0.163	1468.	0.2
85	85.3	4.575	32.822	7.16	0.28	25.995	0.166	1468.	0.5
85	86.0	4.575	32.823	7.16	0.28	25.996	0.168	1468.	0.3
86	87.0	4.576	32.823	7.16	0.29	25.996	0.170	1468.	-0.4
88	88.1	4.576	32.823	7.19	0.27	25.996	0.172	1468.	-0.5
88	89.0	4.576	32.824	7.19	0.28	25.997	0.174	1468.	-0.3
90	90.1	4.583	32.822	7.15	0.29	25.994	0.176	1468.	-0.9
91	91.1	4.583	32.824	7.15	0.29	25.995	0.178	1468.	-0.9
92	92.1	4.587	32.824	7.18	0.30	25.995	0.180	1468.	-0.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	48	03 FEB 1982	1030	40°35.1'N	68°01.8'W	108

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
92	92.9	4.587	32.824	7.18	0.33	25.996	0.181	1468.	-0.9
94	94.1	4.589	32.820	7.16	0.30	25.992	0.184	1468.	-0.9

STA 49 DAY: 3 TIME: 1123

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	5.1	62.2	4.6
1.0	5.0	64.1	4.6
1.9	5.0	65.1	4.6
2.9	5.0	67.0	4.6
4.9	5.0	69.0	4.6
6.8	5.0	70.9	4.6
8.8	5.0	71.9	4.6
9.7	5.0	73.8	4.6
10.7	5.0	74.8	4.6
12.7	5.0	76.7	4.6
13.6	5.0	78.6	4.6
15.6	5.0	80.6	4.6
16.6	5.0	83.5	4.5
17.5	5.0	86.4	4.5
19.5	5.0	88.3	4.5
20.4	5.0	90.2	4.6
21.4	5.0	91.2	4.5
23.4	5.0	93.1	4.5
25.3	5.0	94.1	4.5
27.3	4.9	94.1	4.5
28.2	4.9		
29.2	4.9		
31.1	4.9		
32.1	4.9		
34.1	4.9		
35.0	4.9		
36.0	4.9		
37.0	4.9		
37.9	4.9		
38.9	4.8		
39.9	4.8		
39.9	4.8		
41.8	4.7		
42.8	4.7		
43.8	4.7		
45.7	4.7		
46.7	4.7		
47.6	4.7		
47.6	4.7		
48.6	4.7		
49.6	4.6		
50.6	4.6		
51.5	4.6		
52.5	4.6		
53.5	4.6		
54.4	4.6		
55.4	4.5		
57.3	4.5		
59.3	4.6		
60.2	4.6		

STA 50 DAY: 3 TIME: 1142

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	4.3	64.1	3.8
1.0	4.3	66.0	3.9
1.0	4.2	68.0	3.9
2.9	4.2	69.0	3.9
3.9	4.2	71.9	3.9
5.8	4.2	73.8	3.9
6.8	4.2	75.7	3.9
7.8	4.2	77.7	3.9
8.8	4.2	79.6	3.9
9.7	4.2	81.5	3.9
11.7	4.2	83.5	3.9
12.7	4.2	85.4	3.9
13.6	4.2	87.3	3.9
15.6	4.2	90.2	3.9
16.6	4.2	91.2	3.9
18.5	4.2	93.1	3.9
19.5	4.1	94.1	3.9
21.4	4.1	95.0	3.9
21.4	4.1	96.0	3.9
22.4	4.1		
23.4	4.1		
25.3	4.1		
27.3	4.0		
29.2	4.0		
29.2	4.1		
30.2	4.0		
32.1	4.0		
33.1	4.1		
34.1	4.1		
35.0	4.0		
36.0	4.0		
37.0	4.0		
37.9	3.9		
38.9	3.9		
39.9	3.9		
40.9	3.9		
41.8	3.9		
41.8	3.8		
42.8	3.8		
44.7	3.8		
46.7	3.8		
48.6	3.8		
49.6	3.8		
51.5	3.8		
53.5	3.8		
55.4	3.8		
57.3	3.8		
58.3	3.8		
60.2	3.8		
62.2	3.8		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	51	03 FEB 1982	1332	40°37.9'N	68°17.7'W	83

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
4	3.9	3.689	32.754	7.47	0.33	26.030	0.000	1462.	1.8
6	6.0	3.686	32.753	7.46	0.34	26.030	0.004	1463.	1.8
8	8.2	3.687	32.754	7.51	0.33	26.030	0.009	1463.	1.8
10	9.9	3.690	32.753	7.49	0.34	26.029	0.012	1463.	1.8
12	12.2	3.668	32.753	7.46	0.33	26.031	0.016	1463.	1.8
14	13.9	3.659	32.754	7.50	0.33	26.033	0.020	1463.	2.0
16	16.0	3.608	32.755	7.47	0.35	26.038	0.024	1462.	2.0
18	17.9	3.581	32.757	7.52	0.34	26.042	0.028	1462.	2.0
20	19.8	3.566	32.758	7.49	0.35	26.045	0.031	1462.	1.8
22	22.1	3.563	32.759	7.45	0.35	26.046	0.036	1462.	1.6
24	24.0	3.559	32.759	7.48	0.35	26.046	0.040	1462.	1.2
26	25.9	3.555	32.759	7.51	0.35	26.047	0.043	1462.	1.0
28	27.9	3.555	32.760	7.47	0.37	26.047	0.047	1462.	0.8
30	30.1	3.555	32.760	7.44	0.37	26.047	0.051	1462.	0.7
32	31.7	3.552	32.760	7.49	0.38	26.048	0.055	1462.	0.6
34	34.0	3.550	32.760	7.50	0.39	26.048	0.059	1462.	0.6
36	36.1	3.547	32.761	7.53	0.38	26.049	0.063	1462.	0.5
38	37.9	3.548	32.760	7.53	0.39	26.048	0.067	1462.	0.4
40	40.1	3.548	32.760	7.50	0.40	26.048	0.071	1462.	0.3
42	41.8	3.549	32.761	7.51	0.39	26.048	0.074	1463.	0.1
44	44.0	3.550	32.760	7.50	0.40	26.048	0.079	1463.	0.1
46	46.1	3.549	32.760	7.53	0.37	26.048	0.083	1463.	0.3
48	48.0	3.548	32.761	7.52	0.38	26.049	0.086	1463.	0.2
50	50.0	3.549	32.760	7.51	0.38	26.048	0.090	1463.	0.2
52	51.8	3.549	32.760	7.52	0.37	26.048	0.094	1463.	0.3
54	53.9	3.548	32.761	7.51	0.40	26.049	0.098	1463.	0.2
56	56.3	3.547	32.760	7.50	0.38	26.048	0.103	1463.	0.1
58	57.8	3.548	32.760	7.48	0.37	26.048	0.106	1463.	0.1
60	60.1	3.548	32.760	7.48	0.39	26.048	0.110	1463.	-0.1
61	61.2	3.548	32.760	7.50	0.38	26.048	0.112	1463.	-0.2
62	61.9	3.548	32.760	7.51	0.38	26.048	0.114	1463.	0.0
63	63.0	3.548	32.760	7.49	0.40	26.048	0.116	1463.	0.2
64	64.1	3.548	32.760	7.50	0.40	26.048	0.118	1463.	-0.1
65	64.9	3.548	32.760	7.51	0.40	26.048	0.120	1463.	0.2
66	66.0	3.548	32.760	7.50	0.40	26.048	0.122	1463.	0.0
67	67.0	3.548	32.760	7.50	0.39	26.048	0.124	1463.	-0.3
68	68.0	3.549	32.760	7.49	0.40	26.048	0.126	1463.	-0.3
69	69.1	3.548	32.760	7.52	0.39	26.048	0.128	1463.	-0.3
70	70.0	3.549	32.760	7.52	0.40	26.048	0.129	1463.	-0.3
71	71.0	3.549	32.760	7.52	0.40	26.048	0.131	1463.	-0.2
72	72.0	3.548	32.760	7.52	0.40	26.048	0.133	1463.	0.0
73	73.0	3.548	32.760	7.54	0.41	26.048	0.135	1463.	-0.2

STA 52 DAY: 3 TIME: 1409

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.9	4.5	79.6	3.6
1.9	4.4	81.5	3.6
1.9	4.3	83.5	3.6
2.9	4.2	86.4	3.6
2.9	4.2	88.3	3.6
4.9	4.1	91.2	3.6
5.8	4.1	93.1	3.6
7.8	4.1	94.1	3.6
9.7	4.1	96.0	3.6
10.7	4.1		
11.7	4.1		
12.7	4.1		
13.6	4.1		
15.6	4.1		
17.5	4.0		
18.5	4.0		
19.5	3.9		
21.4	3.9		
23.4	3.9		
25.3	3.9		
27.3	3.9		
28.2	3.9		
29.2	3.9		
31.1	3.9		
33.1	3.8		
34.1	3.8		
36.0	3.8		
37.0	3.7		
37.9	3.7		
38.9	3.7		
39.9	3.6		
41.8	3.6		
42.8	3.6		
44.7	3.6		
45.7	3.6		
47.6	3.6		
48.6	3.6		
51.5	3.6		
54.4	3.6		
54.4	3.6		
56.4	3.6		
59.3	3.6		
61.2	3.6		
63.1	3.6		
66.0	3.6		
68.0	3.6		
69.9	3.6		
71.9	3.6		
74.8	3.6		
77.7	3.6		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	53	03 FEB 1982	1454	40°31.3'N	68°14.6'W	103

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
6	6.5	4.372	32.732	7.23	0.28	25.945	0.000	1465.	1.9
8	7.9	4.373	32.732	7.22	0.29	25.945	0.003	1465.	1.9
10	10.3	4.377	32.731	7.24	0.29	25.944	0.008	1465.	1.9
12	11.7	4.362	32.731	7.27	0.28	25.945	0.011	1465.	1.9
14	14.0	4.328	32.733	7.24	0.28	25.950	0.015	1465.	1.9
16	16.1	4.291	32.734	7.27	0.28	25.955	0.020	1465.	1.9
18	17.9	4.277	32.735	7.25	0.28	25.957	0.023	1465.	1.9
20	20.1	4.272	32.735	7.23	0.28	25.958	0.028	1465.	1.8
22	21.8	4.272	32.736	7.27	0.28	25.958	0.031	1465.	1.5
24	24.0	4.261	32.737	7.26	0.28	25.960	0.036	1465.	1.2
26	26.3	4.249	32.738	7.25	0.28	25.962	0.040	1465.	1.0
28	27.7	4.249	32.738	7.27	0.27	25.962	0.043	1465.	0.9
30	30.0	4.254	32.738	7.23	0.28	25.961	0.048	1465.	0.7
32	32.2	4.253	32.738	7.23	0.27	25.962	0.053	1465.	0.4
34	34.0	4.253	32.738	7.28	0.27	25.962	0.056	1465.	0.3
36	36.1	4.252	32.738	7.25	0.28	25.962	0.060	1465.	0.5
38	38.0	4.250	32.738	7.24	0.27	25.962	0.064	1465.	0.5
40	40.0	4.248	32.738	7.26	0.28	25.962	0.068	1465.	0.6
42	42.0	4.246	32.738	7.25	0.27	25.963	0.073	1465.	0.6
44	43.8	4.245	32.738	7.26	0.27	25.963	0.076	1465.	0.6
46	46.0	4.245	32.738	7.27	0.27	25.962	0.080	1465.	0.5
48	48.1	4.244	32.739	7.25	0.27	25.963	0.085	1466.	0.4
50	49.8	4.244	32.739	7.28	0.27	25.963	0.088	1466.	0.4
52	52.0	4.244	32.739	7.28	0.27	25.963	0.093	1466.	0.4
54	54.0	4.244	32.739	7.27	0.27	25.963	0.097	1466.	0.3
56	55.9	4.244	32.738	7.28	0.27	25.963	0.101	1466.	0.1
58	58.0	4.245	32.739	7.25	0.27	25.963	0.105	1466.	0.3
60	59.9	4.245	32.739	7.25	0.27	25.963	0.109	1466.	0.4
62	62.0	4.246	32.738	7.30	0.27	25.963	0.113	1466.	0.5
64	64.1	4.245	32.739	7.27	0.26	25.963	0.118	1466.	0.5
65	65.8	4.246	32.740	7.29	0.27	25.964	0.121	1466.	0.6
68	68.1	4.246	32.740	7.29	0.26	25.964	0.125	1466.	1.0
70	70.2	4.246	32.741	7.29	0.26	25.965	0.130	1466.	1.5
72	72.0	4.247	32.740	7.30	0.26	25.964	0.133	1466.	2.1
74	74.1	4.249	32.742	7.25	0.26	25.965	0.138	1466.	2.5
75	75.9	4.255	32.749	7.26	0.26	25.970	0.141	1466.	2.8
78	78.1	4.273	32.762	7.26	0.27	25.979	0.146	1466.	3.1
80	80.2	4.286	32.778	7.25	0.26	25.991	0.150	1466.	3.3
81	81.3	4.290	32.783	7.25	0.26	25.993	0.152	1466.	3.4
82	82.0	4.293	32.785	7.23	0.26	25.995	0.154	1466.	3.3
83	83.0	4.296	32.793	7.21	0.26	26.001	0.156	1466.	3.1
84	84.1	4.295	32.793	7.20	0.26	26.001	0.158	1466.	2.8
84	84.9	4.297	32.796	7.21	0.26	26.003	0.160	1466.	3.3
86	86.0	4.301	32.799	7.18	0.27	26.006	0.162	1466.	4.2
87	87.0	4.303	32.801	7.18	0.26	26.007	0.164	1466.	4.7
87	87.9	4.302	32.805	7.14	0.26	26.010	0.166	1466.	5.1
88	89.0	4.326	32.830	7.12	0.27	26.027	0.168	1467.	5.2
90	90.0	4.377	32.869	7.12	0.28	26.053	0.170	1467.	5.2
90	91.0	4.383	32.872	7.13	0.28	26.055	0.172	1467.	5.0
91	92.0	4.367	32.874	7.14	0.29	26.058	0.174	1467.	4.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	53	03 FEB 1982	1454	40°31.3'N	68°14.6'W	103

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
92	93.0	4.359	32.875	7.16	0.29	26.060	0.176	1467.	4.1
93	94.0	4.351	32.879	7.15	0.30	26.064	0.178	1467.	4.8
94	95.0	4.356	32.883	7.14	0.29	26.066	0.179	1467.	8.4
95	96.0	4.374	32.897	7.15	0.30	26.076	0.181	1467.	8.4
96	97.0	4.396	32.909	7.13	0.30	26.083	0.183	1467.	8.4
98	98.1	4.511	32.987	7.11	0.30	26.133	0.186	1468.	8.4
99	99.1	5.083	33.308	6.93	0.33	26.325	0.187	1471.	8.4

STA 54 DAY: 3 TIME: 1519

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	4.6	69.0	4.5
1.9	4.4	69.9	4.5
2.9	4.4	70.9	4.5
4.9	4.4	72.8	4.5
5.8	4.4	73.8	4.6
7.8	4.4	73.8	4.6
8.8	4.4	75.7	4.6
10.7	4.4	76.7	4.6
11.7	4.4	78.6	4.6
12.7	4.4	79.6	4.6
14.6	4.4	80.6	4.6
15.6	4.4	81.5	4.6
16.6	4.4	81.5	4.7
17.5	4.3	82.5	4.7
18.5	4.3	83.5	4.8
19.5	4.3	84.4	4.8
22.4	4.3	85.4	4.8
23.4	4.4	86.4	4.8
24.3	4.3	87.3	4.9
25.3	4.4	88.3	4.9
27.3	4.4	89.2	4.9
29.2	4.4	90.2	4.9
31.1	4.3	91.2	4.9
31.1	4.4	91.2	5.0
32.1	4.4	92.1	5.0
34.1	4.4	92.1	5.1
36.0	4.4	94.1	5.1
37.0	4.4	96.0	5.1
37.9	4.4	97.9	5.2
38.9	4.4	98.9	5.2
39.9	4.4	100.8	5.2
40.9	4.4	102.8	5.2
41.8	4.4	103.7	5.2
42.8	4.4	104.7	5.3
43.8	4.4	105.6	5.4
45.7	4.4		
47.6	4.4		
48.6	4.3		
50.6	4.3		
52.5	4.3		
54.4	4.3		
56.4	4.3		
58.3	4.3		
60.2	4.3		
62.2	4.3		
64.1	4.3		
66.0	4.3		
67.0	4.3		
68.0	4.4		
68.0	4.4		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	55	03 FEB 1982	1536	40°29.5'N	68°10.6'W	173

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
6	6.2	5.082	32.845	7.22	0.24	25.958	0.000	1468.	1.5
8	8.1	5.076	32.847	7.15	0.23	25.960	0.004	1468.	1.5
10	9.9	5.074	32.847	7.16	0.23	25.960	0.008	1468.	1.5
12	12.1	5.070	32.848	7.13	0.23	25.961	0.012	1468.	1.5
14	14.0	5.067	32.850	7.12	0.23	25.964	0.016	1468.	1.5
16	16.0	5.073	32.855	7.11	0.23	25.967	0.020	1469.	1.4
18	17.9	5.075	32.855	7.10	0.23	25.967	0.024	1469.	1.3
20	20.0	5.080	32.857	7.10	0.23	25.968	0.028	1469.	1.2
22	22.3	5.086	32.859	7.10	0.23	25.969	0.033	1469.	1.0
24	23.8	5.091	32.860	7.09	0.22	25.969	0.036	1469.	0.9
26	26.0	5.098	32.861	7.06	0.23	25.969	0.040	1469.	1.1
28	27.8	5.107	32.863	7.09	0.23	25.969	0.044	1469.	1.6
30	30.0	5.103	32.863	7.10	0.23	25.970	0.048	1469.	2.2
32	32.0	5.125	32.869	7.09	0.23	25.972	0.052	1469.	2.9
34	34.0	5.141	32.874	7.05	0.22	25.974	0.057	1469.	3.6
36	36.2	5.230	32.904	7.03	0.22	25.988	0.061	1470.	4.0
38	37.8	5.273	32.924	7.01	0.21	25.999	0.064	1470.	4.3
40	40.0	5.316	32.952	6.95	0.22	26.016	0.068	1470.	4.5
42	42.2	5.284	32.973	6.94	0.23	26.036	0.073	1470.	5.0
44	43.9	5.279	32.982	6.91	0.23	26.044	0.076	1470.	5.4
46	46.0	5.237	32.985	6.92	0.23	26.051	0.080	1470.	5.8
48	48.0	5.195	33.003	6.90	0.23	26.070	0.084	1470.	5.9
50	49.9	5.341	33.078	6.86	0.24	26.113	0.088	1470.	6.1
52	52.1	5.406	33.136	6.83	0.25	26.151	0.092	1471.	6.3
53	53.8	5.440	33.163	6.75	0.26	26.169	0.095	1471.	6.3
56	56.1	5.461	33.175	6.74	0.26	26.176	0.099	1471.	6.0
58	57.9	5.523	33.223	6.72	0.26	26.206	0.103	1472.	5.6
60	59.9	5.745	33.298	6.66	0.26	26.240	0.106	1473.	5.5
62	62.2	5.927	33.342	6.61	0.26	26.252	0.110	1473.	5.6
64	63.9	6.072	33.371	6.50	0.25	26.257	0.113	1474.	5.6
66	66.1	6.468	33.457	6.42	0.26	26.274	0.117	1476.	5.1
67	67.9	6.793	33.561	6.35	0.25	26.313	0.120	1477.	4.8
70	70.1	6.647	33.558	6.38	0.24	26.330	0.124	1477.	4.6
71	71.9	6.542	33.549	6.34	0.24	26.337	0.127	1476.	4.4
74	74.4	6.334	33.509	6.33	0.25	26.332	0.131	1475.	4.0
75	75.8	6.194	33.505	6.33	0.26	26.347	0.134	1475.	4.3
78	78.3	6.157	33.510	6.34	0.26	26.356	0.138	1475.	4.8
79	79.8	6.127	33.513	6.40	0.26	26.362	0.140	1475.	5.0
82	82.0	6.103	33.525	6.39	0.27	26.375	0.144	1475.	5.2
84	84.1	6.380	33.648	6.34	0.27	26.436	0.147	1476.	5.0
86	86.1	6.506	33.680	6.35	0.26	26.445	0.150	1476.	5.5
88	88.3	6.566	33.691	6.30	0.26	26.446	0.154	1477.	5.5
89	89.9	6.677	33.715	6.17	0.25	26.450	0.156	1477.	5.1
92	92.0	6.909	33.760	6.10	0.25	26.455	0.160	1478.	4.6
93	94.0	7.886	34.041	5.92	0.24	26.538	0.163	1482.	5.4
96	96.1	7.977	34.036	5.95	0.23	26.521	0.166	1483.	5.8
98	98.2	7.688	33.976	5.97	0.24	26.516	0.169	1482.	5.9
99	99.7	7.599	33.971	5.89	0.24	26.525	0.172	1481.	5.6
101	102.0	7.795	34.121	5.80	0.25	26.614	0.175	1482.	5.0
103	104.0	7.717	34.108	5.80	0.24	26.615	0.178	1482.	5.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	55	03 FEB 1982	1536	40°29.5'N	68°10.6'W	173

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
105	105.7	7.643	34.103	5.77	0.24	26.622	0.180	1482.	5.3
107	108.1	7.619	34.096	5.75	0.25	26.620	0.184	1482.	5.0
109	110.1	7.415	34.068	5.79	0.25	26.627	0.186	1481.	5.0
111	112.0	7.417	34.110	5.76	0.26	26.659	0.189	1481.	6.6
114	114.3	7.446	34.140	5.76	0.26	26.679	0.192	1481.	7.8
115	116.1	7.450	34.162	5.68	0.27	26.696	0.195	1481.	8.9
117	117.9	7.518	34.252	5.62	0.27	26.757	0.197	1482.	9.4
119	120.0	7.791	34.460	5.57	0.27	26.881	0.200	1483.	9.4
121	121.9	7.877	34.560	5.46	0.27	26.946	0.202	1483.	9.2
123	124.0	8.067	34.663	5.33	0.28	26.999	0.204	1484.	8.5
126	126.3	8.158	34.723	5.30	0.27	27.033	0.207	1485.	7.4
127	128.0	8.178	34.736	5.17	0.25	27.040	0.208	1485.	6.0
129	129.9	8.210	34.754	5.14	0.27	27.049	0.210	1485.	5.1
131	132.2	8.261	34.798	5.13	0.26	27.076	0.213	1485.	4.3
133	133.9	8.253	34.798	5.10	0.26	27.077	0.214	1485.	3.7
135	136.0	8.216	34.803	5.10	0.27	27.087	0.217	1485.	3.4
137	137.9	8.223	34.814	5.10	0.27	27.094	0.218	1485.	3.2
139	140.0	8.222	34.812	5.09	0.28	27.093	0.220	1485.	2.7
140	141.3	8.221	34.812	5.09	0.28	27.093	0.222	1485.	2.9
141	142.1	8.222	34.812	5.10	0.26	27.093	0.223	1485.	3.0
142	143.1	8.226	34.828	5.09	0.26	27.105	0.223	1485.	4.8
143	143.8	8.223	34.826	5.05	0.26	27.104	0.224	1485.	6.3
144	145.0	8.230	34.839	5.04	0.28	27.113	0.225	1486.	7.0
145	146.0	8.233	34.845	5.06	0.28	27.117	0.226	1486.	7.2
146	147.0	8.307	34.947	5.03	0.26	27.186	0.227	1486.	7.0
147	148.0	8.324	34.962	5.02	0.25	27.195	0.228	1486.	6.6
148	149.0	8.319	34.967	4.97	0.26	27.200	0.229	1486.	5.8
149	150.0	8.298	34.965	4.97	0.27	27.201	0.230	1486.	4.5
150	151.0	8.278	34.961	4.97	0.28	27.201	0.231	1486.	1.9
151	152.1	8.260	34.959	4.99	0.27	27.203	0.232	1486.	0.9
152	152.9	8.252	34.954	4.96	0.26	27.200	0.232	1486.	1.3
153	154.0	8.238	34.949	4.95	0.27	27.198	0.233	1486.	1.7
154	155.0	8.236	34.950	4.94	0.28	27.199	0.234	1486.	1.7
155	156.0	8.234	34.950	4.95	0.28	27.200	0.235	1486.	1.7
156	157.0	8.238	34.965	4.96	0.26	27.211	0.236	1486.	1.7
157	158.1	8.247	34.965	4.94	0.26	27.209	0.237	1486.	1.7
158	158.5	8.233	34.955	4.94	0.25	27.204	0.237	1486.	1.7

STA 56 DAY: 3 TIME: 1644

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.9	5.3	58.3	6.9	100.8	9.0
1.9	5.2	59.3	6.9	101.8	8.9
2.9	5.2	60.2	7.1	102.8	8.7
4.9	5.2	62.2	7.1	102.8	8.5
6.8	5.2	63.1	7.1	102.8	8.4
8.8	5.2	65.1	7.2	102.8	8.2
9.7	5.2	65.1	7.3	103.7	8.1
11.7	5.2	67.0	7.3	103.7	8.0
13.6	5.2	68.0	7.4	104.7	8.0
15.6	5.2	68.0	7.5	105.6	8.0
16.6	5.2	69.0	7.5	106.6	8.0
17.5	5.2	69.9	7.6	108.5	8.0
19.5	5.1	69.9	7.6	109.5	8.0
20.4	5.2	70.9	7.8	110.5	8.0
22.4	5.1	70.9	7.9	111.4	8.1
23.4	5.2	70.9	7.9	111.4	8.2
25.3	5.2	70.9	8.1	112.4	8.3
26.3	5.2	71.9	8.1	113.4	8.3
28.2	5.2	72.8	8.2	114.3	8.4
29.2	5.2	74.8	8.3	116.2	8.4
31.1	5.2	74.8	8.3	117.2	8.3
33.1	5.2	75.7	8.4	118.2	8.3
34.1	5.2	76.7	8.5	119.1	8.2
35.0	5.2	77.7	8.5	121.1	8.1
37.0	5.3	78.6	8.7	122.0	8.1
37.9	5.3	79.6	8.7	123.0	8.0
38.9	5.3	80.6	8.7	123.9	8.0
39.9	5.4	83.5	8.7	125.9	7.9
40.9	5.5	83.5	8.7	127.8	7.9
41.8	5.5	86.4	8.8	129.7	7.9
41.8	5.7	87.3	8.8		
41.8	5.7	89.2	8.9		
42.8	5.8	89.2	8.9		
43.8	5.9	90.2	9.0		
45.7	5.9	90.2	9.1		
46.7	5.9	90.2	9.2		
47.6	6.0	90.2	9.4		
48.6	6.0	91.2	9.5		
49.6	6.1	92.1	9.5		
50.6	6.1	92.1	9.7		
51.5	6.1	93.1	9.7		
51.5	6.2	94.1	9.8		
51.5	6.2	95.0	9.8		
52.5	6.4	97.0	9.8		
53.5	6.5	97.9	9.7		
53.5	6.5	98.9	9.6		
54.4	6.6	98.9	9.4		
55.4	6.7	99.9	9.3		
55.4	6.7	99.9	9.2		
57.3	6.8	100.8	9.1		

STA 57 DAY: 3 TIME: 1622

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	5.6	63.1	6.8	82.5	9.4	112.4	8.9
1.0	5.5	63.1	6.9	84.4	9.4	113.4	9.0
1.9	5.4	64.1	6.9	84.4	9.4	113.4	9.0
1.9	5.3	64.1	7.0	85.4	9.5	114.3	9.0
5.8	5.3	64.1	7.1	86.4	9.5	114.3	9.1
7.8	5.3	64.1	7.2	86.4	9.5	116.2	9.1
10.7	5.3	64.1	7.3	87.3	9.5	117.2	9.1
13.6	5.3	65.1	7.3	88.3	9.5	118.2	9.1
15.6	5.3	65.1	7.4	89.2	9.6	119.1	9.1
17.5	5.3	65.1	7.5	90.2	9.7	120.1	9.1
19.5	5.3	65.1	7.5	91.2	9.6	120.1	9.1
22.4	5.3	65.1	7.6	93.1	9.6	121.1	9.0
25.3	5.3	66.0	7.6	94.1	9.6	122.0	9.0
26.3	5.3	66.0	7.7	95.0	9.5	122.0	9.0
28.2	5.3	66.0	7.9	95.0	9.5	123.0	8.9
31.1	5.3	66.0	7.9	96.0	9.5	123.9	8.9
33.1	5.3	67.0	8.0	96.0	9.4	123.9	8.9
35.0	5.3	67.0	8.1	97.0	9.3	124.9	9.0
36.0	5.3	67.0	8.0	97.0	9.3	124.9	9.0
38.9	5.3	68.0	8.1	97.0	9.2	125.9	9.0
39.9	5.3	69.0	8.1	97.0	9.1	126.8	8.9
40.9	5.4	69.0	8.2	97.0	9.0	126.8	8.9
41.8	5.4	69.9	8.2	97.0	9.0	127.8	8.9
42.8	5.5	69.9	8.2	97.9	8.9	128.7	8.8
42.8	5.5	70.9	8.3	97.9	8.8	129.7	8.8
43.8	5.5	71.9	8.3	98.9	8.9	129.7	8.8
45.7	5.6	71.9	8.4	98.9	8.9	130.7	8.7
47.6	5.6	72.8	8.4	98.9	9.0	130.7	8.7
48.6	5.7	72.8	8.4	99.9	9.0	131.6	8.5
49.6	5.7	73.8	8.5	100.8	9.0	132.6	8.5
50.6	5.7	73.8	8.5	100.8	9.0	132.6	8.4
52.5	5.7	73.8	8.5	100.8	8.9	133.5	8.3
53.5	5.8	74.8	8.7	101.8	8.9	134.5	8.3
55.4	5.8	74.8	8.7	101.8	8.8	135.5	8.2
55.4	5.8	75.7	8.8	102.8	8.7	136.4	8.2
56.4	5.8	75.7	8.8	103.7	8.7	137.4	8.2
57.3	5.8	75.7	8.8	103.7	8.6	137.4	8.1
59.3	5.9	76.7	8.8	104.7	8.5		
60.2	5.9	77.7	8.9	105.6	8.5		
60.2	5.9	77.7	8.9	105.6	8.5		
61.2	6.0	78.6	9.0	106.6	8.4		
61.2	6.1	78.6	9.0	107.6	8.4		
61.2	6.1	78.6	9.1	108.5	8.5		
62.2	6.2	78.6	9.2	109.5	8.5		
62.2	6.3	79.6	9.2	110.5	8.7		
62.2	6.4	79.6	9.2	110.5	8.7		
62.2	6.5	80.6	9.3	110.5	8.8		
62.2	6.5	80.6	9.3	111.4	8.8		
62.2	6.6	80.6	9.3	111.4	8.9		
63.1	6.7	81.5	9.4	111.4	8.9		

STA 58 DAY: 3 TIME: 1630

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.9	5.6	57.3	6.6	88.3	9.6	121.1	10.4
2.9	5.5	57.3	6.7	88.3	9.5	122.0	10.4
2.9	5.4	57.3	6.8	89.2	9.4	123.0	10.5
3.9	5.4	57.3	6.9	89.2	9.4	123.0	10.5
5.8	5.3	57.3	6.9	89.2	9.3	124.9	10.6
7.8	5.3	57.3	7.1	91.2	9.3	125.9	10.5
9.7	5.3	58.3	7.1	91.2	9.3	126.8	10.5
10.7	5.3	58.3	7.2	91.2	9.2	128.7	10.5
11.7	5.3	59.3	7.3	92.1	9.1	129.7	10.5
13.6	5.3	59.3	7.4	92.1	9.0	130.7	10.5
15.6	5.3	60.2	7.4	92.1	9.0	130.7	10.4
16.6	5.3	60.2	7.5	92.1	8.9	131.6	10.3
18.5	5.3	60.2	7.6	93.1	8.8	132.6	10.3
19.5	5.3	61.2	7.7	94.1	8.8	132.6	10.2
20.4	5.3	61.2	7.9	95.0	8.7	133.5	10.2
21.4	5.3	61.2	8.0	95.0	8.7	134.5	10.1
23.4	5.3	61.2	8.0	97.0	8.7	134.5	10.0
25.3	5.3	61.2	8.1	97.0	8.8	135.5	10.0
26.3	5.4	62.2	8.2	97.9	8.9	136.4	9.9
28.2	5.4	62.2	8.3	98.9	8.9	138.3	9.9
29.2	5.4	62.2	8.4	98.9	8.9	138.3	9.9
30.2	5.4	63.1	8.5	99.9	8.8	139.3	9.9
31.1	5.4	63.1	8.6	99.9	8.7	140.3	9.8
32.1	5.5	64.1	8.7	100.8	8.7	141.2	9.8
32.1	5.5	66.0	8.7	101.8	8.8	142.2	9.8
33.1	5.6	67.0	8.7	102.8	8.8	143.1	9.8
34.1	5.7	68.0	8.8	103.7	8.8	144.1	9.8
35.0	5.7	69.0	8.9	105.6	8.9	145.1	9.8
35.0	5.8	69.9	9.0	105.6	8.9		
36.0	5.8	70.9	9.1	106.6	9.0		
37.0	5.9	71.9	9.1	107.6	9.0		
37.9	5.9	72.8	9.1	108.5	9.1		
38.9	5.9	73.8	9.2	108.5	9.3		
38.9	6.0	73.8	9.3	108.5	9.4		
39.9	6.0	73.8	9.3	108.5	9.6		
40.9	6.0	74.8	9.4	109.5	9.8		
41.8	6.1	75.7	9.4	109.5	9.9		
42.8	6.1	76.7	9.5	109.5	10.1		
43.8	6.1	77.7	9.5	109.5	10.2		
44.7	6.1	77.7	9.6	110.5	10.3		
45.7	6.1	78.6	9.7	110.5	10.4		
46.7	6.1	79.6	9.7	111.4	10.4		
47.6	6.2	80.6	9.7	112.4	10.4		
48.6	6.2	81.5	9.8	113.4	10.4		
50.6	6.2	83.5	9.8	114.3	10.4		
52.5	6.3	83.5	9.7	115.3	10.4		
53.5	6.4	84.4	9.7	116.2	10.4		
54.4	6.4	85.4	9.7	117.2	10.4		
55.4	6.5	86.4	9.7	119.1	10.4		
56.4	6.5	87.3	9.6	120.1	10.4		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	59	03 FEB 1982	1642	40°25.0'N	68°10.0'W	155

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
5	4.9	5.322	32.891	6.90	0.28	25.967	0.000	1469.	2.1
6	6.0	5.322	32.892	6.90	0.25	25.968	0.002	1469.	2.1
8	7.9	5.323	32.892	6.89	0.23	25.968	0.006	1469.	2.1
10	10.2	5.327	32.892	6.93	0.23	25.968	0.011	1470.	2.1
12	11.8	5.326	32.892	6.86	0.23	25.968	0.014	1470.	2.1
14	14.0	5.320	32.892	6.87	0.23	25.968	0.019	1470.	3.2
16	16.1	5.323	32.891	6.87	0.23	25.967	0.023	1470.	4.0
18	17.8	5.318	32.904	6.87	0.23	25.978	0.026	1470.	4.5
20	20.0	5.427	32.949	6.83	0.23	26.001	0.031	1470.	4.8
22	22.0	5.684	33.026	6.76	0.23	26.032	0.035	1471.	5.0
24	24.2	5.930	33.087	6.78	0.23	26.050	0.039	1472.	5.1
26	25.7	5.986	33.106	6.70	0.23	26.058	0.042	1473.	5.1
28	27.9	6.016	33.123	6.68	0.23	26.067	0.046	1473.	4.9
30	30.0	6.115	33.155	6.70	0.23	26.081	0.050	1473.	4.8
32	31.9	6.342	33.213	6.65	0.22	26.098	0.054	1474.	4.8
34	34.0	6.669	33.296	6.58	0.20	26.121	0.058	1476.	4.8
36	36.1	6.786	33.336	6.57	0.20	26.137	0.062	1476.	4.8
38	37.9	6.844	33.357	6.53	0.20	26.146	0.065	1477.	4.8
40	40.0	6.943	33.387	6.49	0.19	26.156	0.069	1477.	4.6
42	42.0	7.051	33.430	6.43	0.19	26.176	0.073	1478.	4.5
44	44.0	7.148	33.460	6.39	0.19	26.186	0.076	1478.	4.5
46	46.0	7.181	33.484	6.36	0.18	26.200	0.080	1478.	4.7
48	48.0	7.273	33.515	6.33	0.18	26.212	0.084	1479.	4.7
50	50.1	7.436	33.562	6.34	0.18	26.226	0.087	1479.	4.7
52	51.9	7.553	33.600	6.28	0.18	26.239	0.091	1480.	4.6
54	54.1	7.771	33.668	6.28	0.18	26.261	0.094	1481.	4.6
56	56.0	7.971	33.720	6.23	0.18	26.273	0.098	1482.	4.4
58	58.1	8.064	33.749	6.21	0.18	26.283	0.101	1482.	4.4
60	59.9	8.123	33.769	6.18	0.18	26.289	0.105	1482.	4.3
62	62.0	8.231	33.809	6.16	0.18	26.304	0.108	1483.	4.3
64	64.1	8.300	33.832	6.14	0.18	26.312	0.112	1483.	4.3
66	65.9	8.425	33.876	6.11	0.18	26.327	0.115	1484.	4.2
68	68.1	8.676	33.945	6.07	0.17	26.343	0.119	1485.	4.6
69	69.9	8.795	33.985	5.98	0.17	26.356	0.122	1485.	5.7
72	72.1	8.982	34.034	5.92	0.17	26.365	0.125	1486.	6.6
74	74.0	9.338	34.109	5.85	0.16	26.366	0.129	1488.	7.2
76	76.0	9.842	34.275	5.70	0.16	26.413	0.132	1490.	7.5
78	77.9	10.341	34.521	5.55	0.16	26.520	0.135	1492.	7.8
80	80.0	10.376	34.567	5.50	0.17	26.549	0.138	1492.	8.0
82	82.1	10.307	34.582	5.46	0.17	26.573	0.141	1492.	8.0
83	83.9	10.114	34.555	5.39	0.18	26.585	0.144	1491.	7.6
86	86.0	9.797	34.553	5.39	0.19	26.638	0.147	1490.	6.9
88	88.1	9.632	34.558	5.42	0.19	26.669	0.150	1489.	6.6
89	89.7	9.936	34.678	5.35	0.19	26.711	0.152	1491.	6.2
91	92.0	10.296	34.791	5.26	0.18	26.738	0.155	1492.	5.7
93	94.0	10.479	34.833	5.22	0.18	26.739	0.157	1493.	5.0
96	96.2	10.593	34.865	5.16	0.18	26.744	0.160	1493.	4.6
97	97.7	10.647	34.887	5.09	0.18	26.751	0.162	1494.	4.1
99	100.0	10.611	34.904	5.07	0.19	26.771	0.165	1494.	3.9
102	102.1	10.544	34.909	5.07	0.19	26.787	0.168	1493.	3.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	59	03 FEB 1982	1642	40°25.0'N	68°10.0'W	155

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
103	104.1	10.545	34.922	5.11	0.18	26.797	0.170	1493.	3.6
105	105.9	10.578	34.935	5.12	0.19	26.801	0.173	1494.	3.2
107	108.0	10.583	34.937	5.10	0.19	26.801	0.175	1494.	2.6
109	110.1	10.565	34.936	5.08	0.19	26.804	0.178	1494.	2.3
111	112.0	10.522	34.932	5.05	0.18	26.809	0.180	1493.	2.4
113	113.9	10.440	34.911	4.99	0.19	26.807	0.183	1493.	2.6
115	116.0	10.366	34.902	4.98	0.19	26.812	0.186	1493.	2.9
117	118.1	10.345	34.908	4.97	0.19	26.821	0.188	1493.	3.1
119	120.0	10.340	34.917	4.97	0.19	26.829	0.190	1493.	3.1
121	122.0	10.360	34.931	4.93	0.19	26.836	0.193	1493.	3.1
123	124.0	10.397	34.950	4.89	0.19	26.844	0.195	1493.	3.0
125	126.1	10.406	34.954	4.89	0.19	26.846	0.198	1493.	3.1
127	128.0	10.416	34.962	4.89	0.19	26.851	0.200	1493.	3.5
129	129.9	10.403	34.964	4.85	0.19	26.855	0.203	1493.	4.1
131	132.0	10.369	34.964	4.83	0.19	26.860	0.205	1493.	4.4
133	134.0	10.493	35.011	4.78	0.19	26.875	0.208	1494.	4.7
135	136.0	10.246	34.990	4.82	0.19	26.902	0.210	1493.	4.9
137	138.0	10.014	34.975	4.88	0.19	26.930	0.212	1492.	4.8
139	140.0	9.986	34.972	4.90	0.20	26.933	0.214	1492.	4.7
140	141.3	9.941	34.969	4.89	0.20	26.939	0.216	1492.	4.1
141	142.0	9.945	34.970	4.88	0.20	26.939	0.217	1492.	3.1
142	143.1	9.956	34.968	4.88	0.20	26.935	0.218	1492.	1.8
143	144.1	9.935	34.968	4.88	0.19	26.939	0.219	1492.	1.5
144	145.0	9.926	34.967	4.88	0.20	26.939	0.220	1492.	1.5
145	146.0	9.920	34.966	4.87	0.20	26.939	0.221	1492.	1.5
146	147.0	9.923	34.967	4.87	0.20	26.940	0.222	1492.	1.5
147	148.0	9.901	34.963	4.88	0.20	26.940	0.224	1492.	1.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	61	03 FEB 1982	1718	40°25.1'N	68°07.9'W	535

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.7	6.093	33.112	6.75	0.24	26.049	0.000	1473.	1.6
4	3.9	6.092	33.112	6.73	0.24	26.049	0.002	1473.	1.6
6	6.0	6.091	33.112	6.73	0.24	26.050	0.006	1473.	1.6
8	7.8	6.089	33.112	6.73	0.23	26.050	0.010	1473.	1.6
10	10.0	6.085	33.113	6.74	0.23	26.051	0.014	1473.	1.6
12	11.9	6.079	33.115	6.74	0.23	26.053	0.018	1473.	1.7
14	14.1	6.070	33.117	6.79	0.23	26.056	0.022	1473.	1.8
16	16.1	6.057	33.120	6.80	0.23	26.061	0.026	1473.	1.9
18	17.8	6.056	33.121	6.79	0.23	26.061	0.029	1473.	2.3
20	20.0	6.055	33.122	6.77	0.23	26.062	0.034	1473.	2.8
22	22.1	6.053	33.124	6.81	0.23	26.064	0.038	1473.	3.5
24	23.8	6.060	33.134	6.74	0.23	26.071	0.041	1473.	4.3
26	26.0	6.130	33.162	6.68	0.23	26.084	0.045	1473.	5.2
28	28.2	6.329	33.215	6.65	0.21	26.101	0.049	1474.	6.2
30	29.8	6.658	33.303	6.50	0.20	26.128	0.052	1476.	6.9
32	32.0	7.082	33.421	6.36	0.19	26.164	0.056	1478.	7.5
34	34.0	7.396	33.527	6.31	0.18	26.204	0.060	1479.	7.9
36	36.2	8.075	33.725	6.19	0.17	26.262	0.064	1482.	8.2
38	37.8	8.554	33.859	6.09	0.17	26.295	0.067	1484.	8.1
40	40.0	8.988	34.018	5.97	0.16	26.351	0.071	1486.	7.9
42	42.0	9.259	34.113	5.90	0.15	26.382	0.074	1487.	7.6
44	44.0	9.961	34.323	5.75	0.15	26.430	0.077	1490.	7.5
46	46.1	10.340	34.434	5.61	0.15	26.452	0.081	1491.	8.0
48	48.0	10.488	34.493	5.46	0.15	26.472	0.083	1492.	8.3
50	50.1	10.647	34.576	5.37	0.15	26.509	0.087	1492.	8.3
52	52.0	10.830	34.691	5.31	0.16	26.566	0.090	1493.	8.1
54	54.3	10.592	34.783	5.32	0.18	26.680	0.093	1493.	7.6
56	55.9	10.551	34.795	5.30	0.18	26.697	0.095	1492.	7.0
58	57.9	10.567	34.801	5.27	0.18	26.699	0.098	1493.	5.8
60	60.0	10.572	34.808	5.24	0.18	26.703	0.100	1493.	4.1
62	62.1	10.563	34.806	5.21	0.18	26.703	0.103	1493.	1.9
63	63.7	10.584	34.817	5.22	0.18	26.708	0.106	1493.	1.1
66	65.9	10.630	34.816	5.20	0.18	26.699	0.109	1493.	0.9
68	68.0	10.556	34.808	5.20	0.18	26.706	0.111	1493.	0.0
70	70.1	10.565	34.809	5.19	0.18	26.705	0.114	1493.	-0.6
71	71.8	10.595	34.812	5.21	0.18	26.702	0.116	1493.	-0.8
74	73.9	10.618	34.823	5.20	0.18	26.707	0.119	1493.	-0.5
76	76.1	10.718	34.839	5.16	0.18	26.701	0.122	1493.	-0.7
78	78.2	10.718	34.838	5.16	0.18	26.701	0.125	1493.	0.9
79	79.8	10.722	34.841	5.18	0.18	26.702	0.127	1494.	1.8
82	82.0	10.721	34.840	5.17	0.18	26.702	0.130	1494.	2.3
83	83.9	10.748	34.852	5.15	0.18	26.706	0.133	1494.	2.8
86	86.0	10.767	34.865	5.13	0.18	26.713	0.136	1494.	3.1
88	88.1	10.778	34.883	5.14	0.18	26.725	0.138	1494.	3.5
89	89.7	10.749	34.885	5.14	0.18	26.731	0.140	1494.	3.7
91	91.9	10.670	34.874	5.11	0.18	26.737	0.143	1494.	3.9
93	94.0	10.577	34.865	5.09	0.18	26.747	0.146	1493.	4.3
96	96.3	10.435	34.855	5.11	0.18	26.764	0.149	1493.	4.8
97	97.7	10.383	34.851	5.09	0.19	26.770	0.151	1493.	5.1
99	99.9	10.264	34.843	5.06	0.20	26.784	0.154	1492.	5.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	61	03 FEB 1982	1718	40°25.1'N	68°07.9'W	535

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
101	102.0	10.136	34.855	5.07	0.20	26.816	0.156	1492.	5.2
104	104.3	10.010	34.870	5.07	0.20	26.849	0.159	1491.	4.8
105	106.0	9.991	34.877	5.06	0.21	26.858	0.161	1491.	4.4
107	108.0	9.992	34.880	5.05	0.21	26.860	0.164	1491.	3.8
109	110.0	9.989	34.883	5.01	0.21	26.863	0.166	1491.	2.8
111	112.1	9.983	34.884	4.99	0.20	26.864	0.169	1491.	1.9
113	113.8	9.981	34.886	5.02	0.20	26.867	0.171	1491.	1.9
115	116.0	9.982	34.887	5.00	0.21	26.868	0.173	1492.	2.0
117	118.0	9.980	34.888	5.00	0.21	26.868	0.176	1492.	2.2
119	120.1	9.974	34.890	4.97	0.21	26.871	0.178	1492.	2.3
121	121.9	9.966	34.897	4.99	0.20	26.878	0.180	1492.	2.3
123	124.0	9.956	34.900	5.01	0.21	26.882	0.183	1492.	2.2
125	126.0	9.950	34.905	5.00	0.21	26.887	0.185	1492.	2.2
127	128.0	9.955	34.907	4.99	0.20	26.888	0.188	1492.	2.4
129	129.9	9.953	34.908	4.99	0.20	26.888	0.190	1492.	2.5
131	132.0	9.944	34.906	4.99	0.21	26.888	0.192	1492.	3.0
133	134.0	9.912	34.904	4.99	0.20	26.892	0.195	1492.	3.3
135	136.2	9.893	34.921	4.98	0.20	26.909	0.197	1492.	3.9
137	137.7	9.887	34.926	4.96	0.20	26.914	0.199	1492.	4.6
139	140.0	9.846	34.944	4.91	0.20	26.935	0.202	1492.	5.6
141	142.1	9.889	34.958	4.87	0.20	26.938	0.204	1492.	6.1
143	144.3	9.719	34.953	4.87	0.20	26.964	0.206	1491.	6.3
145	145.9	9.533	34.967	4.78	0.20	27.006	0.208	1490.	6.3
147	148.0	9.460	35.025	4.75	0.20	27.063	0.210	1490.	6.2
149	150.1	9.488	35.040	4.73	0.19	27.070	0.212	1490.	6.0
151	152.2	9.497	35.060	4.69	0.18	27.084	0.215	1491.	5.4
153	153.9	9.438	35.058	4.64	0.19	27.092	0.216	1490.	4.7
155	156.0	9.407	35.069	4.62	0.18	27.106	0.218	1490.	4.3
157	157.9	9.387	35.078	4.59	0.18	27.117	0.220	1490.	4.3
159	160.1	9.358	35.084	4.59	0.18	27.126	0.222	1490.	4.1
161	161.8	9.345	35.097	4.58	0.18	27.138	0.224	1490.	3.9
163	164.0	9.288	35.108	4.57	0.18	27.156	0.226	1490.	3.7
165	166.2	9.280	35.110	4.57	0.17	27.159	0.228	1490.	4.1
167	167.9	9.277	35.113	4.56	0.17	27.162	0.230	1490.	5.2
169	170.0	9.262	35.118	4.53	0.18	27.169	0.232	1490.	6.1
171	172.1	9.252	35.125	4.51	0.17	27.176	0.234	1490.	6.6
173	174.0	9.080	35.145	4.50	0.16	27.219	0.235	1490.	7.0
175	176.0	8.476	35.133	4.57	0.15	27.306	0.237	1487.	7.1
177	178.0	8.187	35.117	4.60	0.15	27.338	0.238	1486.	6.8
179	180.0	8.117	35.115	4.60	0.15	27.347	0.240	1486.	6.3
181	182.0	8.039	35.111	4.60	0.15	27.356	0.242	1486.	5.2
183	183.9	7.910	35.104	4.60	0.15	27.369	0.243	1485.	4.0
185	186.3	7.823	35.098	4.61	0.15	27.378	0.245	1485.	3.6
187	187.7	7.787	35.096	4.61	0.15	27.381	0.246	1485.	3.6
189	190.1	7.753	35.094	4.61	0.15	27.385	0.247	1485.	3.5
191	192.0	7.674	35.090	4.65	0.14	27.393	0.249	1484.	3.4
193	193.9	7.587	35.085	4.65	0.15	27.402	0.250	1484.	3.3
195	196.0	7.448	35.076	4.67	0.15	27.415	0.252	1484.	3.3
197	198.2	7.421	35.075	4.71	0.14	27.418	0.253	1484.	3.3
199	199.8	7.385	35.073	4.73	0.15	27.422	0.254	1484.	3.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	61	03 FEB 1982	1718	40°25.1'N	68 07.9'W	535

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
201	202.0	7.351	35.071	4.72	0.15	27.426	0.256	1483.	2.9
203	204.1	7.276	35.068	4.74	0.15	27.434	0.257	1483.	2.7
205	206.2	7.194	35.062	4.79	0.14	27.441	0.258	1483.	2.6
207	207.9	7.163	35.061	4.81	0.15	27.444	0.260	1483.	2.5
209	210.0	7.147	35.059	4.81	0.15	27.445	0.261	1483.	2.3
211	212.1	7.138	35.059	4.82	0.15	27.446	0.262	1483.	2.0
213	213.9	7.124	35.060	4.86	0.15	27.449	0.264	1483.	1.8
215	216.0	7.087	35.057	4.90	0.15	27.452	0.265	1483.	1.9
217	218.0	7.074	35.056	4.89	0.15	27.453	0.266	1483.	1.9
219	220.0	7.056	35.055	4.90	0.15	27.455	0.268	1483.	2.0
221	222.0	7.024	35.053	4.91	0.15	27.458	0.269	1482.	2.1
222	223.8	7.004	35.053	4.94	0.15	27.461	0.270	1482.	2.2
225	226.0	6.971	35.048	4.96	0.16	27.461	0.271	1482.	2.2
227	228.0	6.919	35.048	4.96	0.16	27.469	0.273	1482.	2.3
229	230.1	6.903	35.048	4.96	0.17	27.470	0.274	1482.	2.2
231	232.2	6.879	35.047	4.99	0.16	27.473	0.275	1482.	2.2
232	233.9	6.847	35.045	5.02	0.17	27.476	0.276	1482.	2.2
235	236.0	6.819	35.044	5.03	0.18	27.479	0.278	1482.	2.1
237	238.0	6.809	35.042	5.05	0.18	27.479	0.279	1482.	1.9
239	240.1	6.773	35.043	5.06	0.17	27.484	0.280	1482.	2.0
240	241.8	6.751	35.042	5.08	0.17	27.486	0.281	1482.	2.0
243	244.0	6.739	35.041	5.09	0.18	27.488	0.283	1482.	2.0
244	246.0	6.728	35.037	5.09	0.18	27.486	0.284	1482.	1.9
247	248.2	6.672	35.039	5.10	0.17	27.495	0.285	1482.	1.7
248	249.7	6.667	35.039	5.10	0.18	27.495	0.286	1482.	1.5
250	252.0	6.668	35.039	5.08	0.18	27.495	0.288	1482.	1.3
253	254.1	6.667	35.039	5.10	0.17	27.495	0.289	1482.	1.1
255	256.1	6.662	35.038	5.10	0.17	27.496	0.290	1482.	0.6
256	257.8	6.658	35.038	5.09	0.17	27.496	0.291	1482.	0.6
258	260.0	6.660	35.038	5.08	0.18	27.496	0.293	1482.	0.6
261	262.2	6.658	35.038	5.07	0.17	27.496	0.294	1482.	0.6
262	264.0	6.657	35.038	5.07	0.17	27.496	0.295	1482.	0.6
264	266.0	6.653	35.038	5.08	0.17	27.497	0.296	1482.	0.6
266	268.0	6.652	35.038	5.10	0.18	27.497	0.298	1482.	0.7
268	270.0	6.647	35.038	5.09	0.17	27.497	0.299	1482.	0.9
270	272.0	6.645	35.038	5.08	0.18	27.498	0.300	1482.	0.9
272	274.1	6.647	35.038	5.08	0.18	27.497	0.301	1482.	1.1
274	276.0	6.639	35.038	5.10	0.17	27.498	0.303	1482.	1.3
276	277.9	6.614	35.037	5.12	0.17	27.501	0.304	1482.	1.5
278	279.9	6.614	35.035	5.12	0.18	27.500	0.305	1482.	1.8
280	282.0	6.582	35.033	5.13	0.17	27.503	0.306	1482.	2.0
283	284.3	6.560	35.033	5.15	0.16	27.506	0.308	1482.	2.2
284	285.9	6.524	35.032	5.18	0.17	27.509	0.309	1482.	2.3
286	288.0	6.501	35.032	5.18	0.17	27.512	0.310	1481.	2.4
288	289.9	6.449	35.027	5.19	0.17	27.515	0.311	1481.	2.6
290	292.2	6.379	35.024	5.22	0.17	27.523	0.312	1481.	2.6
292	293.6	6.382	35.026	5.23	0.17	27.524	0.313	1481.	2.5
294	296.0	6.347	35.023	5.24	0.18	27.526	0.315	1481.	2.4
296	298.0	6.278	35.024	5.24	0.18	27.536	0.316	1481.	2.2
298	300.0	6.232	35.020	5.25	0.19	27.538	0.317	1481.	1.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	61	03 FEB 1982	1718	40°25.1'N	68 07.9'W	535

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
300	302.1	6.247	35.019	5.27	0.18	27.536	0.318	1481.	1.7
302	303.9	6.252	35.021	5.27	0.18	27.537	0.319	1481.	1.4
304	306.0	6.250	35.021	5.27	0.19	27.537	0.321	1481.	0.9
306	308.1	6.225	35.019	5.27	0.19	27.539	0.322	1481.	0.9
308	310.0	6.225	35.019	5.27	0.19	27.539	0.323	1481.	0.9
310	312.0	6.219	35.019	5.29	0.19	27.539	0.324	1481.	0.8
312	313.9	6.219	35.019	5.29	0.19	27.540	0.325	1481.	0.6
314	315.9	6.216	35.020	5.28	0.19	27.541	0.326	1481.	0.3
316	318.0	6.226	35.019	5.28	0.20	27.539	0.328	1481.	0.1
318	320.3	6.220	35.019	5.29	0.19	27.540	0.329	1481.	-0.2
320	321.7	6.223	35.020	5.29	0.19	27.540	0.330	1481.	-0.1
322	323.9	6.221	35.019	5.28	0.20	27.539	0.331	1481.	0.2
324	326.0	6.222	35.019	5.28	0.20	27.539	0.332	1481.	0.6
326	328.2	6.223	35.020	5.29	0.19	27.540	0.334	1481.	0.7
328	329.8	6.220	35.020	5.31	0.19	27.540	0.334	1481.	0.9
330	331.9	6.220	35.020	5.31	0.20	27.540	0.336	1481.	1.1
332	334.0	6.207	35.019	5.31	0.20	27.541	0.337	1481.	1.2
334	336.1	6.189	35.018	5.30	0.20	27.543	0.338	1481.	1.3
336	337.8	6.182	35.018	5.32	0.20	27.544	0.339	1481.	1.3
338	340.0	6.173	35.018	5.30	0.21	27.545	0.340	1481.	1.4
340	342.0	6.170	35.018	5.30	0.21	27.545	0.342	1481.	1.4
342	344.1	6.152	35.017	5.31	0.21	27.547	0.343	1481.	1.3
344	346.2	6.140	35.017	5.34	0.20	27.548	0.344	1481.	1.3
346	347.9	6.124	35.016	5.34	0.22	27.550	0.345	1481.	1.4
348	350.0	6.120	35.015	5.34	0.22	27.550	0.346	1481.	1.3
350	352.1	6.119	35.016	5.34	0.22	27.550	0.347	1481.	1.3
352	354.1	6.104	35.015	5.35	0.21	27.552	0.349	1481.	1.5
354	355.9	6.088	35.016	5.36	0.23	27.554	0.350	1481.	2.0
356	358.0	6.082	35.012	5.36	0.23	27.552	0.351	1481.	2.3
358	360.0	6.051	35.012	5.37	0.23	27.556	0.352	1481.	2.4
360	362.1	6.015	35.012	5.40	0.23	27.561	0.353	1481.	2.3
362	364.0	5.908	35.010	5.41	0.24	27.572	0.354	1480.	2.2
364	366.0	5.912	35.012	5.41	0.25	27.573	0.355	1480.	2.0
366	368.1	5.913	35.010	5.43	0.24	27.572	0.356	1480.	1.6
368	369.9	5.921	35.009	5.43	0.23	27.570	0.357	1481.	0.9
370	371.9	5.894	35.007	5.42	0.25	27.572	0.359	1480.	-0.7
372	374.0	5.896	35.006	5.42	0.25	27.571	0.360	1480.	-0.6
374	376.1	5.901	35.007	5.41	0.23	27.571	0.361	1481.	-0.4
376	378.0	5.912	35.007	5.43	0.23	27.570	0.362	1481.	0.6
378	380.0	5.912	35.008	5.44	0.24	27.570	0.363	1481.	0.6
380	382.1	5.910	35.008	5.43	0.23	27.571	0.364	1481.	0.7
381	383.9	5.906	35.007	5.42	0.24	27.570	0.365	1481.	1.0
383	386.0	5.884	35.008	5.42	0.24	27.574	0.366	1481.	1.3
386	388.0	5.896	35.007	5.44	0.23	27.572	0.368	1481.	1.5
387	389.9	5.873	35.003	5.44	0.26	27.572	0.369	1481.	1.6
389	392.0	5.834	35.004	5.43	0.26	27.577	0.370	1481.	1.8
392	394.1	5.826	35.004	5.46	0.25	27.578	0.371	1481.	2.2
394	396.1	5.807	35.004	5.48	0.23	27.581	0.372	1480.	2.6
395	397.9	5.788	35.002	5.49	0.25	27.582	0.373	1480.	2.7
397	400.0	5.737	35.000	5.49	0.25	27.586	0.374	1480.	2.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	61	03 FEB 1982	1718	40°25.1'N	68 07.9'W	535

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
399	402.0	5.605	34.994	5.53	0.25	27.598	0.375	1480.	2.6
402	404.1	5.552	34.993	5.55	0.24	27.604	0.376	1480.	2.5
403	406.0	5.576	34.997	5.54	0.24	27.604	0.377	1480.	2.3
405	408.0	5.559	34.996	5.54	0.25	27.605	0.378	1480.	1.8
407	410.0	5.542	34.992	5.55	0.25	27.604	0.380	1480.	1.2
409	412.2	5.533	34.994	5.57	0.24	27.607	0.381	1480.	0.8
411	413.9	5.518	34.992	5.54	0.26	27.607	0.382	1480.	0.4
413	416.0	5.523	34.992	5.54	0.25	27.606	0.383	1480.	-0.7
415	418.0	5.532	34.994	5.53	0.24	27.607	0.384	1480.	-0.9
417	420.1	5.551	34.995	5.55	0.24	27.606	0.385	1480.	-0.9
419	422.0	5.581	34.996	5.55	0.24	27.603	0.386	1480.	-0.7
421	423.9	5.576	34.994	5.54	0.25	27.602	0.387	1480.	0.2
423	426.0	5.572	34.996	5.54	0.26	27.604	0.388	1480.	0.7
425	428.1	5.539	34.993	5.56	0.25	27.605	0.389	1480.	1.0
427	429.8	5.537	34.994	5.56	0.24	27.606	0.390	1480.	1.1
429	432.0	5.530	34.993	5.53	0.26	27.606	0.391	1480.	1.0
431	434.1	5.510	34.991	5.55	0.25	27.608	0.392	1480.	0.7
433	436.0	5.527	34.992	5.55	0.25	27.606	0.393	1480.	0.6
435	438.1	5.542	34.994	5.55	0.24	27.606	0.394	1480.	0.6
437	439.9	5.528	34.993	5.52	0.27	27.607	0.395	1480.	0.5
439	442.1	5.529	34.992	5.54	0.27	27.606	0.397	1480.	0.5
441	444.1	5.523	34.994	5.55	0.25	27.608	0.398	1480.	0.7
443	445.9	5.514	34.993	5.55	0.25	27.608	0.399	1480.	0.8
445	447.9	5.518	34.992	5.54	0.28	27.607	0.400	1480.	0.9
447	450.0	5.519	34.992	5.55	0.28	27.607	0.401	1480.	1.1
449	452.2	5.503	34.991	5.58	0.24	27.608	0.402	1480.	1.2
451	453.9	5.497	34.992	5.58	0.25	27.610	0.403	1480.	1.2
453	456.0	5.473	34.991	5.58	0.26	27.611	0.404	1480.	1.2
455	458.0	5.461	34.990	5.56	0.26	27.613	0.405	1480.	1.1
457	460.0	5.456	34.990	5.57	0.27	27.613	0.406	1480.	1.0
459	462.2	5.474	34.991	5.59	0.25	27.612	0.407	1480.	1.5
461	463.9	5.457	34.990	5.59	0.27	27.613	0.408	1480.	1.7
463	465.9	5.463	34.990	5.58	0.27	27.612	0.409	1480.	1.5
465	468.0	5.465	34.993	5.58	0.28	27.614	0.410	1480.	1.6
467	470.2	5.391	35.000	5.61	0.28	27.629	0.411	1480.	1.6
469	471.9	5.348	34.989	5.62	0.29	27.625	0.412	1480.	1.4
471	474.0	5.383	34.980	5.62	0.29	27.614	0.413	1480.	1.1
473	476.1	5.342	34.984	5.64	0.28	27.622	0.414	1480.	1.4
475	477.9	5.341	34.985	5.65	0.29	27.623	0.415	1480.	1.6
477	480.0	5.396	34.991	5.63	0.28	27.621	0.416	1480.	2.1
479	481.9	5.385	34.987	5.62	0.30	27.619	0.417	1480.	2.5
481	484.0	5.210	34.983	5.67	0.33	27.637	0.419	1480.	2.5
483	485.9	5.189	34.981	5.68	0.32	27.638	0.419	1479.	2.6
484	487.3	5.189	34.982	5.65	0.36	27.639	0.420	1479.	2.6
485	488.0	5.178	34.982	5.66	0.35	27.640	0.421	1479.	2.3
486	489.0	5.171	34.978	5.66	0.35	27.638	0.421	1479.	1.0
487	490.0	5.169	34.980	5.64	0.34	27.640	0.422	1479.	0.9
488	491.0	5.171	34.980	5.64	0.34	27.640	0.422	1479.	1.0
489	492.0	5.165	34.979	5.64	0.35	27.640	0.423	1479.	1.2
490	493.1	5.163	34.979	5.66	0.33	27.640	0.423	1479.	1.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	61	03 FEB 1982	1718	40°25.1'N	68°07.9'W	535

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
491	494.1	5.171	34.981	5.64	0.30	27.640	0.424	1480.	1.2
492	495.0	5.166	34.983	5.63	0.33	27.642	0.424	1480.	1.2
493	496.1	5.144	34.980	5.63	0.34	27.642	0.425	1479.	1.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	63	03 FEB 1982	1803	40°25.0'N	68°05.9'W	150

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
5	4.7	6.117	33.106	7.09	0.24	26.042	0.000	1473.	1.4
6	6.0	6.113	33.108	7.04	0.25	26.044	0.003	1473.	1.4
8	8.1	6.109	33.112	6.94	0.24	26.047	0.007	1473.	1.4
10	9.9	6.110	33.111	6.92	0.24	26.047	0.010	1473.	1.4
12	12.0	6.112	33.110	6.89	0.24	26.046	0.014	1473.	1.4
14	14.0	6.107	33.111	6.91	0.24	26.047	0.018	1473.	1.8
16	16.0	6.107	33.111	6.89	0.25	26.047	0.022	1473.	2.2
18	18.0	6.097	33.114	6.92	0.24	26.051	0.026	1473.	2.6
20	19.7	6.087	33.118	6.91	0.24	26.055	0.029	1473.	2.9
22	22.0	6.077	33.129	6.87	0.24	26.065	0.034	1473.	3.4
24	24.3	6.102	33.143	6.86	0.23	26.073	0.038	1473.	3.7
26	26.0	6.141	33.155	6.81	0.23	26.077	0.042	1473.	4.2
28	28.1	6.254	33.188	6.78	0.23	26.089	0.046	1474.	4.5
30	29.9	6.411	33.238	6.74	0.22	26.108	0.049	1475.	4.5
32	32.0	6.680	33.293	6.66	0.21	26.117	0.053	1476.	4.6
34	34.1	6.820	33.351	6.62	0.20	26.145	0.057	1476.	4.8
36	35.7	6.869	33.372	6.66	0.20	26.154	0.060	1477.	5.6
38	38.1	6.913	33.383	6.68	0.20	26.157	0.064	1477.	6.3
40	39.9	7.072	33.433	6.65	0.20	26.175	0.068	1478.	7.1
42	42.0	7.530	33.549	6.55	0.19	26.203	0.072	1480.	7.7
44	44.3	8.344	33.806	6.38	0.18	26.285	0.076	1483.	8.2
46	46.1	9.085	34.021	6.18	0.17	26.338	0.079	1486.	8.6
48	48.1	9.501	34.165	6.12	0.16	26.383	0.082	1488.	8.6
49	49.8	9.992	34.324	5.85	0.15	26.426	0.085	1490.	8.1
52	52.0	10.578	34.498	5.63	0.15	26.460	0.088	1492.	7.6
54	54.1	10.938	34.646	5.59	0.15	26.511	0.092	1494.	7.6
55	55.7	11.046	34.691	5.44	0.15	26.527	0.094	1494.	7.7
58	58.0	11.113	34.718	5.34	0.15	26.536	0.097	1494.	7.9
60	60.2	11.306	34.839	5.33	0.15	26.595	0.101	1495.	7.9
61	61.8	11.410	34.940	5.24	0.15	26.654	0.103	1496.	7.6
64	64.1	11.427	35.019	5.24	0.16	26.713	0.106	1496.	7.3
65	65.8	11.357	35.041	5.13	0.17	26.742	0.108	1496.	6.7
68	68.0	11.309	35.045	4.99	0.18	26.754	0.111	1496.	5.6
70	70.3	11.297	35.048	5.00	0.17	26.759	0.114	1496.	4.4
71	71.8	11.273	35.051	4.95	0.17	26.765	0.116	1496.	3.4
74	74.0	11.237	35.047	4.97	0.18	26.769	0.119	1495.	3.0
76	76.1	11.199	35.041	5.00	0.18	26.772	0.122	1495.	2.9
78	78.0	11.170	35.038	5.02	0.18	26.775	0.124	1495.	2.8
80	80.1	11.100	35.039	5.05	0.18	26.789	0.127	1495.	2.7
81	81.9	11.002	35.020	5.07	0.18	26.791	0.129	1495.	2.6
84	84.0	10.988	35.022	5.04	0.19	26.796	0.132	1495.	2.4
86	86.1	10.995	35.025	5.03	0.19	26.796	0.134	1495.	2.0
87	87.9	10.994	35.025	4.98	0.19	26.797	0.137	1495.	1.7
90	90.1	11.016	35.033	5.00	0.19	26.799	0.139	1495.	1.6
91	91.9	11.033	35.038	4.98	0.19	26.800	0.142	1495.	1.5
93	94.0	11.080	35.050	4.95	0.18	26.801	0.144	1495.	1.6
95	96.0	11.102	35.061	4.94	0.18	26.805	0.147	1495.	1.6
97	98.0	11.106	35.061	4.90	0.18	26.805	0.149	1495.	1.9
100	100.2	11.118	35.068	4.92	0.18	26.807	0.152	1496.	2.2
101	101.8	11.110	35.066	4.89	0.18	26.808	0.154	1496.	2.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	63	03 FEB 1982	1803	40°25.0'N	68°05.9'W	150

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
103	104.0	11.096	35.067	4.86	0.18	26.811	0.157	1495.	2.8
106	106.1	10.978	35.051	4.89	0.19	26.820	0.159	1495.	2.9
107	108.0	10.864	35.032	4.92	0.20	26.825	0.162	1495.	3.1
110	110.2	10.767	35.021	4.94	0.19	26.834	0.164	1494.	3.1
111	112.0	10.659	35.004	4.91	0.19	26.840	0.167	1494.	2.9
113	114.1	10.526	34.976	4.93	0.20	26.842	0.169	1494.	2.9
115	115.7	10.418	34.962	4.93	0.20	26.850	0.171	1493.	2.8
117	118.1	10.244	34.922	4.94	0.21	26.850	0.174	1493.	2.7
119	120.0	10.232	34.922	4.95	0.20	26.852	0.176	1493.	2.6
121	121.9	10.032	34.893	4.97	0.21	26.863	0.179	1492.	2.5
123	124.0	10.011	34.891	4.97	0.21	26.866	0.181	1492.	2.7
125	125.8	9.996	34.890	4.95	0.21	26.867	0.183	1492.	3.3
127	128.0	9.957	34.884	4.91	0.22	26.869	0.186	1492.	4.6
129	130.1	9.952	34.885	4.90	0.22	26.871	0.189	1492.	5.5
130	131.2	9.914	34.900	4.90	0.21	26.889	0.190	1492.	6.8
131	132.0	9.837	34.918	4.81	0.22	26.916	0.191	1491.	8.6
132	133.0	9.587	34.955	4.83	0.23	26.987	0.192	1490.	10.9
133	134.0	9.519	34.942	4.84	0.23	26.989	0.193	1490.	12.3
134	135.0	9.352	34.961	4.85	0.23	27.031	0.194	1490.	12.4
135	136.0	8.989	34.999	4.77	0.21	27.120	0.195	1488.	11.8
136	137.0	8.758	35.058	4.68	0.19	27.203	0.196	1488.	10.8
137	138.0	8.641	35.061	4.66	0.19	27.224	0.197	1487.	9.8
138	139.0	8.630	35.061	4.61	0.18	27.225	0.198	1487.	7.9
139	140.0	8.628	35.063	4.59	0.19	27.227	0.199	1487.	5.6
140	141.0	8.636	35.066	4.56	0.19	27.228	0.200	1487.	3.8
141	142.0	8.655	35.071	4.50	0.19	27.229	0.200	1487.	3.8
142	143.0	8.679	35.080	4.50	0.19	27.232	0.201	1487.	3.8
143	144.1	8.703	35.097	4.50	0.19	27.242	0.202	1488.	3.8
144	144.6	8.664	35.105	4.52	0.18	27.255	0.203	1487.	3.8

STA 64 DAY: 3 TIME: 1822

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
2.9	6.2	37.9	8.7	69.0	11.4	125.9	11.0	147.0	8.1
2.9	6.1	38.9	8.8	70.9	11.4	125.9	10.9	147.0	8.1
3.9	6.1	38.9	8.9	71.9	11.4	127.8	10.9	147.9	8.0
4.9	6.1	39.9	9.0	72.8	11.4	127.8	10.9	147.9	8.0
6.8	6.1	39.9	9.0	73.8	11.5	128.7	10.9	148.9	8.0
8.8	6.1	39.9	9.1	75.7	11.5	129.7	10.8	149.9	7.9
9.7	6.1	39.9	9.2	76.7	11.5	130.7	10.8		
10.7	6.0	40.9	9.3	77.7	11.5	130.7	10.7		
11.7	6.0	40.9	9.4	79.6	11.5	131.6	10.6		
13.6	6.0	41.8	9.4	81.5	11.5	131.6	10.5		
14.6	6.0	41.8	9.5	82.5	11.5	131.6	10.5		
15.6	6.0	41.8	9.6	83.5	11.4	131.6	10.4		
16.6	6.0	41.8	9.7	83.5	11.4	132.6	10.3		
17.5	6.0	42.8	9.8	84.4	11.4	132.6	10.2		
18.5	6.0	43.8	9.9	85.4	11.4	132.6	10.1		
19.5	6.1	43.8	9.9	86.4	11.3	133.5	10.0		
20.4	6.1	45.7	10.0	88.3	11.3	134.5	10.0		
21.4	6.2	45.7	10.0	88.3	11.3	134.5	9.9		
22.4	6.2	46.7	10.1	89.2	11.3	134.5	9.9		
23.4	6.3	47.6	10.1	90.2	11.2	135.5	9.8		
23.4	6.4	48.6	10.2	91.2	11.2	135.5	9.8		
24.3	6.5	49.6	10.2	92.1	11.2	135.5	9.8		
24.3	6.5	49.6	10.2	93.1	11.2	135.5	9.7		
24.3	6.6	50.6	10.3	95.0	11.2	136.4	9.6		
25.3	6.6	51.5	10.4	96.0	11.2	136.4	9.5		
26.3	6.7	51.5	10.4	97.0	11.2	136.4	9.5		
27.3	6.7	51.5	10.5	97.9	11.2	137.4	9.4		
27.3	6.8	52.5	10.5	98.9	11.2	137.4	9.3		
27.3	6.9	53.5	10.5	99.9	11.1	138.3	9.3		
28.2	6.9	53.5	10.6	100.8	11.1	139.3	9.2		
29.2	7.0	54.4	10.6	101.8	11.0	139.3	9.2		
30.2	7.1	55.4	10.6	102.8	11.0	139.3	9.1		
31.1	7.1	55.4	10.7	103.7	11.0	139.3	9.0		
32.1	7.1	56.4	10.7	103.7	11.0	140.3	9.0		
33.1	7.1	57.3	10.7	104.7	11.0	140.3	9.0		
34.1	7.2	57.3	10.8	104.7	11.0	140.3	8.9		
34.1	7.3	58.3	10.9	105.6	11.0	141.2	8.9		
35.0	7.4	58.3	11.0	106.6	11.0	143.1	8.9		
35.0	7.5	59.3	11.0	108.5	11.0	143.1	8.9		
35.0	7.6	59.3	11.1	109.5	11.0	144.1	8.9		
35.0	7.8	60.2	11.1	111.4	11.0	145.1	8.8		
36.0	7.8	61.2	11.1	112.4	11.0	145.1	8.8		
36.0	7.9	62.2	11.1	113.4	11.0	145.1	8.7		
37.0	8.0	64.1	11.2	114.3	11.0	145.1	8.5		
37.0	8.1	65.1	11.2	117.2	11.0	146.0	8.5		
37.0	8.2	65.1	11.2	119.1	11.0	146.0	8.5		
37.9	8.2	66.0	11.2	121.1	11.0	146.0	8.4		
37.9	8.3	67.0	11.3	123.0	11.0	146.0	8.4		
37.9	8.4	68.0	11.3	124.9	11.0	147.0	8.3		
37.9	8.5	68.0	11.3	125.9	11.0	147.0	8.2		

STA 65 DAY: 3 TIME: 1857

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
		46.7	7.4	69.0	11.7	112.4	11.2	154.7	9.8
		46.7	7.5	69.0	11.8	113.4	11.2	154.7	9.8
0.0	6.3	46.7	7.6	69.9	11.8	115.3	11.2	155.6	9.9
1.0	6.3	46.7	7.7	69.9	11.8	116.2	11.1	156.6	9.9
1.9	6.3	47.6	7.8	71.9	11.9	116.2	11.1	158.5	9.8
1.9	6.4	47.6	7.9	72.8	11.9	118.2	11.1	159.4	9.8
2.9	6.4	47.6	8.0	73.8	11.9	119.1	11.1	161.4	9.8
3.9	6.4	47.6	8.1	74.8	11.9	121.1	11.1	162.3	9.8
3.9	6.4	47.6	8.2	75.7	11.9	122.0	11.1	164.2	9.8
4.9	6.4	47.6	8.3	76.7	12.0	123.0	11.1	165.2	9.8
5.8	6.5	48.6	8.4	77.7	12.0	123.0	11.2	167.1	9.8
6.8	6.5	48.6	8.5	77.7	12.1	124.9	11.2	168.1	9.8
7.8	6.5	48.6	8.7	77.7	12.1	126.8	11.2	170.0	9.8
8.8	6.5	49.6	8.8	78.6	12.2	128.7	11.2	170.9	9.8
9.7	6.5	49.6	8.9	78.6	12.3	129.7	11.2	171.9	9.8
10.7	6.5	49.6	9.0	79.6	12.3	129.7	11.1	172.9	9.8
12.7	6.5	50.6	9.0	80.6	12.4	130.7	11.1	173.8	9.8
13.6	6.5	50.6	9.1	80.6	12.3	131.6	11.0	174.8	9.7
14.6	6.5	51.5	9.3	81.5	12.3	132.6	11.0	176.7	9.7
16.6	6.5	51.5	9.4	81.5	12.3	132.6	10.9	176.7	9.7
17.5	6.5	51.5	9.5	82.5	12.2	133.5	10.9	177.6	9.6
18.5	6.5	51.5	9.7	82.5	12.2	134.5	10.8	176.7	9.5
19.5	6.5	51.5	9.8	83.5	12.1	135.5	10.8	176.7	9.5
20.4	6.5	52.5	10.0	83.5	12.0	135.5	10.8	177.6	9.4
20.4	6.6	52.5	10.1	84.4	12.0	136.4	10.7	177.6	9.3
22.4	6.6	52.5	10.3	85.4	11.9	136.4	10.6	178.6	9.3
23.4	6.6	52.5	10.4	85.4	11.9	137.4	10.6	179.5	9.2
25.3	6.6	52.5	10.6	86.4	11.9	137.4	10.5	180.5	9.2
26.3	6.6	53.5	10.7	87.3	11.8	137.4	10.5	180.5	9.1
28.2	6.6	53.5	10.8	89.2	11.9	138.3	10.4	183.4	9.1
29.2	6.6	53.5	10.9	91.2	11.9	138.3	10.4	183.4	9.0
30.2	6.6	53.5	11.1	93.1	11.8	139.3	10.4	184.3	9.0
31.1	6.7	54.4	11.1	94.1	11.8	139.3	10.3	186.2	9.0
32.1	6.7	54.4	11.2	94.1	11.8	139.3	10.2	187.2	9.0
32.1	6.7	54.4	11.2	96.0	11.7	140.3	10.2	188.1	8.9
33.1	6.8	54.4	11.3	96.0	11.7	142.2	10.1	189.1	8.9
34.1	6.8	55.4	11.4	97.0	11.7	142.2	10.1	189.1	8.8
35.0	6.8	55.4	11.4	97.9	11.6	142.2	10.1	190.1	8.7
36.0	6.8	57.3	11.4	97.9	11.6	143.1	10.0	191.0	8.7
37.9	6.8	58.3	11.5	99.9	11.5	144.1	9.9	192.0	8.5
38.9	6.9	59.3	11.5	99.9	11.5	145.1	9.9	192.0	8.5
39.9	6.9	59.3	11.5	100.8	11.4	145.1	9.9	192.9	8.4
40.9	6.9	61.2	11.5	101.8	11.4	147.0	9.9	193.9	8.4
41.8	7.0	62.2	11.5	102.8	11.3	147.9	9.8	193.9	8.3
42.8	7.1	62.2	11.5	103.7	11.3	148.9	9.8	194.8	8.3
44.7	7.1	64.1	11.5	105.6	11.2	149.9	9.8	195.8	8.2
44.7	7.1	66.0	11.5	106.6	11.2	150.8	9.8	196.7	8.1
45.7	7.2	67.0	11.5	108.5	11.2	151.8	9.8	197.7	8.1
45.7	7.3	68.0	11.5	109.5	11.2	152.7	9.8	199.6	8.1
45.7	7.4	68.0	11.6	111.4	11.2	153.7	9.8	202.5	8.1

STA 65 DAY: 3 TIME: 1857

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
203.4	8.1	273.7	6.8	349.0	6.1	458.9	5.7	555.5	5.2
205.3	8.1	275.6	6.8	349.9	6.1	460.8	5.7	556.4	5.2
206.3	8.1	277.4	6.8	352.7	6.1	461.7	5.7	557.3	5.2
207.2	8.1	279.3	6.8	354.6	6.1	464.5	5.7	559.2	5.2
208.2	8.0	279.3	6.8	355.6	6.1	466.3	5.7	561.0	5.2
209.1	8.0	281.2	6.7	358.4	6.1	467.2	5.7	562.8	5.2
210.1	7.9	282.2	6.7	359.3	6.1	469.1	5.6	565.6	5.2
211.0	7.9	283.1	6.7	360.2	6.0	470.0	5.6	567.4	5.2
212.0	7.8	285.0	6.7	362.1	6.0	472.8	5.6	570.1	5.2
212.0	7.8	285.0	6.6	364.0	6.0	474.6	5.6	572.0	5.2
212.9	7.7	285.9	6.6	365.8	6.0	475.5	5.6	573.8	5.1
214.8	7.7	286.9	6.6	367.7	6.0	480.2	5.6	575.6	5.2
215.8	7.6	287.8	6.6	370.5	6.0	481.1	5.6	577.4	5.1
217.7	7.6	289.7	6.6	372.4	6.0	483.9	5.6	579.3	5.1
218.6	7.6	290.7	6.5	373.3	6.0	486.6	5.5	581.1	5.0
219.6	7.5	292.6	6.5	374.3	6.0	489.4	5.5	582.9	5.0
221.5	7.5	293.5	6.5	377.1	6.0	491.2	5.6	584.7	5.0
222.4	7.5	295.4	6.5	380.8	6.0	493.1	5.5	585.6	5.0
223.4	7.4	297.3	6.5	381.7	6.0	496.8	5.5	587.5	5.0
224.4	7.4	299.2	6.5	382.7	6.0	498.6	5.5	589.3	5.0
225.3	7.4	301.0	6.5	385.5	5.9	500.4	5.5	590.2	5.0
226.3	7.4	302.9	6.5	389.2	5.9	504.1	5.5	592.9	5.0
229.1	7.3	303.9	6.5	391.1	5.9	506.9	5.5	594.7	5.0
230.1	7.3	304.8	6.5	392.9	5.9	508.7	5.5	597.5	4.9
232.0	7.3	306.7	6.4	396.7	5.9	510.6	5.5	600.2	4.9
233.9	7.3	308.6	6.4	398.5	5.9	513.3	5.5	602.9	4.9
235.8	7.3	309.5	6.4	400.4	5.9	514.2	5.5	604.8	4.9
237.7	7.3	311.4	6.4	404.1	5.9	517.0	5.5	607.5	4.9
238.6	7.3	313.3	6.4	407.8	5.9	518.8	5.5	609.3	4.9
239.6	7.2	315.2	6.4	411.6	5.9	520.7	5.5	612.0	4.9
241.5	7.2	316.1	6.3	414.4	5.9	521.6	5.5	615.7	4.9
241.5	7.2	318.0	6.3	417.2	5.9	523.4	5.5	620.2	4.9
242.4	7.1	319.9	6.3	420.9	5.9	525.3	5.5	623.8	4.9
243.4	7.0	320.8	6.3	423.7	5.9	526.2	5.5	626.5	4.9
245.2	7.0	322.7	6.3	426.5	5.9	528.0	5.4	628.4	4.9
246.2	6.9	323.6	6.3	429.2	5.9	528.9	5.4	632.0	4.9
248.1	6.9	325.5	6.3	432.0	5.9	530.8	5.4	633.8	4.9
249.0	6.9	327.4	6.3	434.8	5.9	532.6	5.4	636.5	4.9
250.9	6.9	328.3	6.2	436.7	5.9	534.4	5.4	639.2	4.9
252.8	6.9	329.3	6.2	439.4	5.9	537.2	5.4	641.0	4.8
254.7	6.8	330.2	6.2	442.2	5.9	539.9	5.4	642.8	4.8
256.6	6.8	332.1	6.2	444.1	5.9	540.9	5.4	645.6	4.8
258.5	6.8	333.0	6.2	445.9	5.8	542.7	5.4	648.3	4.8
260.4	6.8	334.9	6.1	447.8	5.8	543.6	5.4	651.9	4.8
262.3	6.8	336.8	6.1	450.6	5.8	545.4	5.3	653.7	4.8
264.2	6.8	337.7	6.1	451.5	5.8	547.3	5.3	657.3	4.8
268.0	6.8	340.5	6.1	453.3	5.8	549.1	5.3	660.0	4.8
268.9	6.8	342.4	6.1	455.2	5.8	550.0	5.3	662.7	4.8
270.8	6.8	344.3	6.1	456.1	5.8	551.8	5.3	664.5	4.8
272.7	6.8	346.2	6.1	458.0	5.7	553.7	5.2	668.1	4.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	66	03 FEB 1982	1932	40°16.1'N	68°06.0'W	930

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
4	4.3	6.755	33.267	6.81	0.25	26.087	0.000	1476.	0.7
6	6.0	6.756	33.267	6.76	0.25	26.087	0.003	1476.	0.7
8	8.1	6.757	33.269	6.72	0.25	26.088	0.007	1476.	0.7
10	9.9	6.756	33.270	6.74	0.25	26.089	0.011	1476.	0.7
12	12.0	6.756	33.272	6.74	0.25	26.090	0.015	1476.	0.7
14	14.2	6.756	33.273	6.74	0.25	26.091	0.019	1476.	0.8
16	15.8	6.757	33.273	6.73	0.25	26.092	0.022	1476.	1.1
18	18.0	6.758	33.263	6.64	0.24	26.083	0.026	1476.	1.3
20	20.0	6.758	33.274	6.65	0.24	26.092	0.030	1476.	1.7
22	22.1	6.756	33.275	6.67	0.24	26.093	0.034	1476.	1.9
24	24.3	6.747	33.279	6.68	0.24	26.097	0.038	1476.	2.0
26	25.9	6.739	33.281	6.68	0.25	26.100	0.041	1476.	2.3
28	28.0	6.733	33.287	6.69	0.25	26.106	0.045	1476.	2.5
30	30.0	6.729	33.285	6.68	0.25	26.104	0.049	1476.	2.8
32	32.1	6.722	33.286	6.71	0.25	26.106	0.053	1476.	3.1
34	34.1	6.734	33.298	6.72	0.25	26.114	0.057	1476.	3.9
36	35.8	6.787	33.327	6.68	0.24	26.129	0.060	1476.	4.6
38	38.0	6.867	33.345	6.67	0.23	26.134	0.064	1477.	5.3
40	40.0	7.195	33.417	6.57	0.21	26.146	0.068	1478.	5.7
42	42.0	7.551	33.540	6.52	0.20	26.193	0.072	1480.	5.8
44	44.1	7.959	33.640	6.46	0.19	26.212	0.075	1481.	5.8
45	45.7	8.318	33.756	6.32	0.18	26.250	0.079	1483.	5.9
48	48.0	8.614	33.824	6.21	0.17	26.258	0.082	1484.	5.9
50	50.1	8.727	33.865	6.19	0.17	26.273	0.086	1485.	5.7
52	52.0	8.993	33.925	6.14	0.17	26.278	0.090	1486.	5.9
54	54.2	9.439	34.073	6.06	0.16	26.322	0.093	1488.	6.4
55	55.6	9.704	34.165	5.96	0.16	26.350	0.096	1489.	7.0
58	58.1	10.054	34.255	5.83	0.15	26.361	0.100	1490.	7.2
60	60.0	10.470	34.413	5.75	0.15	26.413	0.103	1492.	7.2
62	62.2	10.581	34.509	5.76	0.15	26.468	0.106	1492.	7.1
64	63.9	10.602	34.566	5.70	0.15	26.509	0.109	1492.	7.0
66	65.9	10.811	34.613	5.58	0.15	26.508	0.112	1493.	6.8
68	68.0	11.300	34.755	5.46	0.15	26.530	0.115	1495.	6.4
70	70.1	11.838	34.937	5.37	0.15	26.571	0.118	1497.	6.1
72	72.0	11.948	34.993	5.29	0.15	26.594	0.121	1498.	6.2
74	74.1	11.987	35.033	5.16	0.15	26.618	0.124	1498.	6.4
76	76.0	12.025	35.064	5.05	0.15	26.635	0.127	1498.	6.1
78	78.1	11.968	35.088	4.98	0.15	26.664	0.130	1498.	5.9
79	79.9	11.959	35.135	4.90	0.15	26.703	0.132	1498.	6.0
82	82.1	11.901	35.134	4.87	0.15	26.713	0.135	1498.	6.3
84	84.2	11.891	35.137	4.83	0.15	26.717	0.138	1498.	6.5
85	85.9	11.758	35.134	4.78	0.15	26.740	0.140	1498.	6.4
88	88.2	11.602	35.162	4.76	0.15	26.791	0.143	1497.	6.3
89	89.8	11.769	35.252	4.68	0.15	26.829	0.145	1498.	6.1
92	92.1	11.812	35.300	4.67	0.15	26.859	0.148	1498.	5.6
93	94.0	11.876	35.322	4.63	0.15	26.863	0.150	1498.	4.8
95	96.0	11.911	35.337	4.62	0.15	26.869	0.153	1499.	3.8
97	98.0	11.970	35.355	4.57	0.15	26.871	0.155	1499.	3.0
99	100.0	12.006	35.365	4.51	0.14	26.872	0.158	1499.	2.6
101	102.1	12.046	35.381	4.50	0.14	26.877	0.160	1499.	2.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	66	03 FEB 1982	1932	40°16.1'N	68°06.0'W	930

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
103	104.0	12.069	35.398	4.51	0.14	26.886	0.162	1499.	3.3
106	106.4	12.093	35.409	4.52	0.14	26.890	0.165	1499.	3.7
107	108.0	12.097	35.414	4.42	0.14	26.893	0.167	1499.	3.9
109	110.0	12.038	35.421	4.42	0.14	26.909	0.169	1499.	4.1
111	112.0	11.907	35.417	4.45	0.14	26.931	0.172	1499.	4.2
114	114.4	11.922	35.428	4.42	0.14	26.938	0.174	1499.	4.3
115	115.8	11.935	35.441	4.30	0.14	26.945	0.176	1499.	4.5
117	118.0	11.935	35.453	4.25	0.14	26.954	0.178	1499.	4.5
119	120.1	11.780	35.436	4.26	0.14	26.971	0.181	1499.	4.2
121	122.0	11.862	35.464	4.23	0.14	26.977	0.183	1499.	4.8
123	123.9	11.865	35.504	4.20	0.13	27.007	0.185	1499.	4.7
125	126.0	11.667	35.463	4.21	0.13	27.013	0.187	1498.	4.6
128	128.3	11.356	35.372	4.22	0.13	27.001	0.190	1497.	4.3
130	130.4	10.967	35.373	4.22	0.15	27.073	0.192	1496.	4.1
131	132.0	10.873	35.315	4.25	0.15	27.044	0.193	1495.	3.9
133	134.0	10.741	35.290	4.27	0.15	27.049	0.196	1495.	4.0
135	136.1	10.667	35.279	4.31	0.15	27.054	0.198	1495.	3.9
137	138.0	10.572	35.269	4.35	0.15	27.062	0.200	1494.	3.2
139	140.0	10.424	35.266	4.34	0.15	27.086	0.202	1494.	3.7
141	142.0	10.356	35.264	4.37	0.15	27.097	0.204	1494.	3.8
143	143.9	10.349	35.260	4.37	0.15	27.095	0.206	1494.	3.9
145	145.9	10.341	35.258	4.37	0.15	27.095	0.208	1494.	4.2
147	147.9	10.253	35.257	4.35	0.15	27.109	0.210	1493.	4.3
149	150.0	10.162	35.255	4.33	0.15	27.123	0.212	1493.	4.9
151	152.0	10.059	35.249	4.33	0.15	27.137	0.213	1493.	5.2
153	154.0	9.812	35.236	4.35	0.15	27.169	0.215	1492.	5.2
155	156.1	9.582	35.199	4.37	0.14	27.179	0.217	1491.	4.9
157	158.0	9.476	35.217	4.33	0.14	27.210	0.219	1491.	4.5
159	160.0	9.440	35.211	4.32	0.14	27.212	0.221	1491.	4.2
161	161.9	9.418	35.208	4.31	0.14	27.213	0.222	1491.	4.0
163	164.0	9.403	35.206	4.32	0.14	27.214	0.224	1491.	4.0
165	165.8	9.370	35.209	4.32	0.14	27.222	0.226	1491.	4.0
167	168.0	9.230	35.207	4.32	0.14	27.244	0.228	1490.	4.3
169	170.0	9.080	35.199	4.33	0.14	27.261	0.229	1490.	4.5
171	172.0	8.970	35.184	4.31	0.14	27.267	0.231	1489.	4.7
173	174.2	8.819	35.174	4.35	0.14	27.284	0.233	1489.	4.5
175	176.0	8.729	35.167	4.38	0.14	27.292	0.234	1488.	4.3
177	178.0	8.596	35.157	4.39	0.14	27.306	0.236	1488.	4.1
179	180.0	8.475	35.154	4.40	0.14	27.323	0.238	1487.	3.9
181	182.1	8.324	35.123	4.42	0.13	27.321	0.239	1487.	3.6
183	184.0	8.239	35.121	4.41	0.13	27.333	0.241	1487.	3.3
185	185.9	8.190	35.117	4.40	0.13	27.338	0.242	1486.	3.0
187	187.9	8.135	35.110	4.40	0.13	27.340	0.244	1486.	2.7
189	189.9	8.122	35.112	4.39	0.13	27.344	0.245	1486.	2.6
191	192.0	8.082	35.110	4.38	0.13	27.348	0.247	1486.	2.5
193	194.1	8.018	35.106	4.40	0.13	27.355	0.248	1486.	2.6
195	195.8	7.999	35.102	4.41	0.13	27.355	0.250	1486.	2.6
197	198.0	7.992	35.105	4.42	0.13	27.358	0.251	1486.	2.5
199	200.0	7.933	35.102	4.42	0.14	27.365	0.253	1486.	2.4
201	202.0	7.849	35.095	4.43	0.14	27.372	0.254	1485.	2.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	66	03 FEB 1982	1932	40°16.1'N	68°06.0'W	930

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
203	204.3	7.836	35.094	4.43	0.14	27.373	0.256	1485.	2.5
204	205.7	7.817	35.086	4.43	0.13	27.369	0.257	1485.	2.6
207	207.9	7.799	35.093	4.44	0.14	27.377	0.258	1485.	2.8
209	210.0	7.780	35.090	4.45	0.14	27.377	0.260	1485.	3.2
211	212.1	7.692	35.090	4.46	0.14	27.391	0.261	1485.	3.4
213	214.1	7.618	35.080	4.47	0.13	27.394	0.263	1485.	3.6
215	216.0	7.506	35.074	4.51	0.13	27.406	0.264	1484.	3.5
217	217.9	7.307	35.063	4.53	0.14	27.426	0.266	1483.	3.4
219	220.0	7.271	35.048	4.52	0.14	27.419	0.267	1483.	3.1
221	222.1	7.202	35.045	4.57	0.13	27.426	0.268	1483.	2.8
223	223.9	7.175	35.046	4.60	0.13	27.431	0.270	1483.	2.3
225	226.1	7.158	35.046	4.61	0.13	27.433	0.271	1483.	1.9
227	228.0	7.141	35.044	4.63	0.13	27.434	0.272	1483.	2.0
229	230.0	7.129	35.044	4.62	0.13	27.435	0.274	1483.	1.8
231	231.9	7.115	35.043	4.62	0.13	27.437	0.275	1483.	1.8
233	234.1	7.086	35.040	4.62	0.13	27.439	0.277	1483.	2.0
234	235.9	7.047	35.036	4.64	0.13	27.441	0.278	1483.	2.1
237	238.0	7.023	35.035	4.62	0.13	27.443	0.279	1483.	2.2
239	240.1	6.973	35.032	4.62	0.13	27.448	0.281	1483.	2.2
240	241.9	6.935	35.031	4.65	0.13	27.453	0.282	1482.	2.1
243	244.1	6.919	35.032	4.65	0.13	27.455	0.283	1482.	1.9
244	246.0	6.915	35.032	4.65	0.13	27.456	0.284	1482.	1.7
246	248.0	6.914	35.033	4.66	0.13	27.457	0.286	1482.	1.4
249	250.0	6.914	35.033	4.65	0.13	27.457	0.287	1482.	1.2
251	252.1	6.910	35.034	4.67	0.13	27.458	0.288	1482.	1.1
252	253.9	6.903	35.034	4.69	0.13	27.459	0.290	1482.	1.0
254	256.0	6.899	35.034	4.67	0.13	27.460	0.291	1483.	1.0
256	258.0	6.893	35.034	4.68	0.13	27.461	0.292	1483.	0.9
258	259.9	6.893	35.033	4.69	0.14	27.460	0.293	1483.	0.9
260	262.0	6.892	35.034	4.68	0.14	27.461	0.295	1483.	1.3
263	264.1	6.891	35.034	4.67	0.14	27.461	0.296	1483.	0.9
264	265.7	6.888	35.034	4.70	0.13	27.462	0.297	1483.	1.0
266	268.0	6.878	35.034	4.70	0.14	27.462	0.299	1483.	1.1
268	270.0	6.862	35.043	4.69	0.14	27.472	0.300	1483.	1.2
270	272.0	6.850	35.022	4.70	0.14	27.457	0.301	1483.	1.3
272	274.1	6.835	35.031	4.71	0.14	27.466	0.303	1483.	1.2
274	276.2	6.824	35.029	4.72	0.13	27.467	0.304	1483.	1.2
276	277.9	6.808	35.029	4.72	0.13	27.469	0.305	1483.	1.1
278	280.0	6.798	35.028	4.70	0.14	27.469	0.307	1483.	1.4
280	282.0	6.794	35.028	4.70	0.14	27.470	0.308	1483.	0.9
282	284.1	6.791	35.029	4.70	0.14	27.471	0.309	1483.	0.8
284	285.7	6.795	35.030	4.73	0.14	27.471	0.310	1483.	0.5
286	288.1	6.801	35.029	4.74	0.14	27.469	0.312	1483.	0.6
288	290.0	6.801	35.030	4.73	0.14	27.470	0.313	1483.	0.8
290	292.3	6.809	35.031	4.72	0.14	27.470	0.315	1483.	0.6
292	293.7	6.808	35.031	4.77	0.14	27.470	0.315	1483.	1.1
294	295.9	6.792	35.031	4.76	0.14	27.473	0.317	1483.	1.4
296	298.0	6.769	35.030	4.74	0.14	27.475	0.318	1483.	1.4
298	300.0	6.740	35.017	4.74	0.14	27.468	0.320	1483.	1.6
300	302.0	6.730	35.028	4.77	0.14	27.478	0.321	1483.	1.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	66	03 FEB 1982	1932	40°16.1'N	68°06.0'W	930

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
302	303.9	6.730	35.028	4.79	0.14	27.479	0.322	1483.	2.1
304	306.0	6.728	35.028	4.77	0.14	27.478	0.323	1483.	2.2
306	308.1	6.699	35.029	4.79	0.14	27.483	0.325	1483.	2.3
308	310.1	6.619	35.023	4.81	0.14	27.490	0.326	1482.	2.1
310	311.9	6.600	35.023	4.83	0.14	27.492	0.327	1482.	2.0
312	314.0	6.574	35.021	4.82	0.14	27.494	0.328	1482.	1.9
314	316.2	6.574	35.020	4.81	0.14	27.494	0.330	1482.	1.4
316	317.9	6.567	35.020	4.84	0.14	27.495	0.331	1482.	1.1
318	320.0	6.547	35.019	4.85	0.14	27.496	0.332	1482.	0.9
320	322.2	6.544	35.019	4.83	0.14	27.497	0.334	1482.	0.9
322	323.7	6.543	35.014	4.86	0.14	27.493	0.335	1482.	0.9
324	325.9	6.539	35.019	4.84	0.15	27.497	0.336	1482.	1.1
326	328.0	6.533	35.017	4.84	0.15	27.497	0.337	1482.	1.2
328	330.3	6.531	35.018	4.84	0.15	27.498	0.339	1482.	1.4
330	331.9	6.523	35.018	4.87	0.14	27.498	0.340	1482.	1.5
332	334.0	6.490	35.017	4.88	0.15	27.502	0.341	1482.	1.5
334	336.1	6.476	35.015	4.87	0.15	27.503	0.342	1482.	1.6
336	338.3	6.459	35.014	4.89	0.15	27.504	0.344	1482.	1.6
338	339.9	6.448	35.013	4.88	0.15	27.505	0.345	1482.	1.7
340	342.0	6.426	35.011	4.90	0.15	27.506	0.346	1482.	1.6
342	344.2	6.399	35.010	4.88	0.15	27.509	0.347	1482.	1.7
344	345.9	6.387	35.009	4.93	0.15	27.510	0.348	1482.	1.7
346	348.0	6.364	35.010	4.92	0.14	27.513	0.350	1482.	1.6
348	349.9	6.345	35.005	4.90	0.15	27.512	0.351	1482.	1.4
350	352.1	6.335	35.010	4.91	0.15	27.517	0.352	1482.	1.2
352	353.9	6.338	35.007	4.93	0.15	27.515	0.353	1482.	1.0
354	355.9	6.339	35.007	4.93	0.15	27.514	0.354	1482.	0.9
356	358.0	6.331	35.007	4.93	0.15	27.515	0.356	1482.	0.9
358	360.2	6.325	35.007	4.94	0.15	27.516	0.357	1482.	0.8
359	361.7	6.318	35.006	4.97	0.15	27.516	0.358	1482.	0.8
362	364.0	6.312	35.006	4.97	0.15	27.517	0.359	1482.	1.1
364	365.9	6.310	35.006	4.96	0.15	27.517	0.361	1482.	1.3
366	368.0	6.295	35.005	4.96	0.15	27.519	0.362	1482.	1.3
368	369.9	6.285	35.000	4.97	0.15	27.516	0.363	1482.	1.7
370	372.0	6.264	35.004	4.98	0.15	27.522	0.364	1482.	1.9
372	374.0	6.242	35.003	4.97	0.15	27.524	0.366	1482.	1.9
374	376.0	6.204	34.995	4.98	0.15	27.522	0.367	1482.	2.0
376	378.0	6.153	34.998	5.01	0.15	27.532	0.368	1482.	2.0
378	380.1	6.139	34.998	5.03	0.15	27.533	0.369	1482.	1.8
379	381.9	6.133	34.993	5.04	0.15	27.530	0.370	1482.	1.6
381	383.9	6.128	34.996	5.02	0.15	27.534	0.371	1482.	1.4
384	386.0	6.125	34.997	5.03	0.15	27.535	0.373	1482.	1.0
386	388.2	6.119	34.998	5.05	0.14	27.536	0.374	1482.	0.9
387	389.8	6.118	34.997	5.05	0.14	27.536	0.375	1482.	1.1
389	392.0	6.116	34.997	5.04	0.15	27.535	0.376	1482.	0.9
392	394.0	6.115	34.996	5.04	0.15	27.535	0.378	1482.	1.1
394	396.2	6.110	34.996	5.03	0.15	27.536	0.379	1482.	1.2
395	397.8	6.102	35.000	5.06	0.15	27.540	0.380	1482.	1.5
397	400.1	6.096	34.995	5.07	0.15	27.536	0.381	1482.	1.8
399	402.0	6.050	34.993	5.06	0.15	27.541	0.382	1482.	2.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	66	03 FEB 1982	1932	40°16.1'N	68°06.0'W	930

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
401	404.0	6.007	34.988	5.06	0.15	27.542	0.383	1481.	2.2
403	406.1	5.981	34.988	5.10	0.15	27.546	0.385	1481.	2.2
405	408.0	5.942	34.990	5.14	0.15	27.552	0.386	1481.	2.2
407	410.0	5.899	34.987	5.14	0.15	27.556	0.387	1481.	2.0
409	411.9	5.890	34.985	5.13	0.15	27.555	0.388	1481.	1.8
411	414.0	5.884	34.987	5.14	0.14	27.557	0.389	1481.	1.5
413	415.9	5.877	34.986	5.14	0.14	27.558	0.390	1481.	1.2
415	418.0	5.873	34.985	5.15	0.14	27.557	0.392	1481.	1.1
417	420.0	5.872	34.985	5.12	0.15	27.558	0.393	1481.	1.1
419	422.2	5.861	34.986	5.14	0.14	27.559	0.394	1481.	1.1
421	423.9	5.850	34.985	5.15	0.14	27.560	0.395	1481.	1.3
423	425.9	5.840	34.984	5.13	0.14	27.561	0.396	1481.	1.6
425	428.0	5.837	34.984	5.13	0.14	27.561	0.397	1481.	1.8
427	430.1	5.825	34.983	5.12	0.15	27.562	0.398	1481.	1.8
429	431.8	5.777	34.981	5.16	0.14	27.566	0.399	1481.	1.6
431	433.9	5.740	34.980	5.16	0.14	27.570	0.401	1481.	1.7
433	436.1	5.725	34.981	5.12	0.14	27.573	0.402	1481.	1.7
435	437.9	5.714	34.977	5.18	0.14	27.571	0.403	1481.	1.5
437	440.0	5.710	34.969	5.21	0.14	27.565	0.404	1481.	1.4
439	442.1	5.702	34.979	5.19	0.14	27.574	0.405	1481.	1.4
441	443.9	5.686	34.977	5.22	0.14	27.574	0.406	1481.	1.4
443	445.9	5.681	34.975	5.21	0.14	27.574	0.407	1481.	1.5
445	448.0	5.670	34.978	5.19	0.14	27.577	0.409	1481.	1.5
447	450.0	5.663	34.979	5.20	0.14	27.579	0.410	1481.	1.1
449	451.9	5.667	34.980	5.23	0.14	27.579	0.411	1481.	1.0
451	453.9	5.670	34.980	5.25	0.15	27.578	0.412	1481.	0.9
453	456.0	5.671	34.979	5.23	0.15	27.578	0.413	1481.	0.6
455	458.1	5.671	34.980	5.23	0.15	27.579	0.414	1481.	0.4
457	460.1	5.671	34.980	5.26	0.14	27.579	0.415	1481.	0.5
459	462.0	5.667	34.980	5.26	0.14	27.579	0.416	1481.	0.6
461	463.9	5.664	34.980	5.24	0.15	27.580	0.418	1481.	0.8
463	466.0	5.663	34.979	5.22	0.15	27.579	0.419	1481.	0.9
465	468.1	5.662	34.979	5.23	0.15	27.579	0.420	1481.	1.1
467	470.0	5.655	34.980	5.26	0.15	27.581	0.421	1481.	1.0
469	471.9	5.648	34.980	5.26	0.15	27.581	0.422	1481.	1.1
471	474.0	5.634	34.980	5.24	0.15	27.584	0.423	1481.	1.3
473	476.1	5.607	34.978	5.25	0.15	27.585	0.424	1481.	1.3
475	478.2	5.603	34.972	5.26	0.15	27.581	0.426	1481.	1.4
477	479.7	5.599	34.976	5.28	0.15	27.585	0.426	1481.	1.2
479	482.0	5.579	34.977	5.30	0.15	27.588	0.428	1481.	1.3
481	484.0	5.571	34.976	5.29	0.15	27.588	0.429	1481.	1.4
483	486.0	5.562	34.976	5.29	0.15	27.589	0.430	1481.	1.6
485	488.0	5.553	34.969	5.33	0.15	27.585	0.431	1481.	1.5
487	489.9	5.532	34.974	5.35	0.15	27.592	0.432	1481.	1.6
488	491.3	5.526	34.974	5.34	0.15	27.592	0.433	1481.	1.7
489	492.0	5.519	34.976	5.35	0.15	27.594	0.433	1481.	1.8
490	493.1	5.509	34.974	5.36	0.15	27.594	0.434	1481.	2.0
491	494.0	5.506	34.975	5.37	0.15	27.595	0.434	1481.	1.8
492	495.0	5.503	34.976	5.31	0.15	27.596	0.435	1481.	1.9
493	496.1	5.500	34.975	5.36	0.15	27.596	0.435	1481.	1.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	66	03 FEB 1982	1932	40°16.1'N	68°06.0'W	930

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
494	497.0	5.478	34.973	5.36	0.14	27.597	0.436	1481.	1.5
495	498.0	5.461	34.974	5.34	0.15	27.600	0.436	1481.	1.7
496	499.0	5.440	34.973	5.34	0.15	27.602	0.437	1481.	1.7
497	500.0	5.428	34.962	5.34	0.15	27.594	0.438	1481.	1.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	67	03 FEB 1982	2035	40°13.0'N	68°14.1'W	635

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
4	4.3	6.398	33.208	6.61	0.24	26.087	0.000	1474.	2.9
6	6.0	6.398	33.208	6.62	0.24	26.087	0.003	1474.	2.9
8	8.0	6.397	33.208	6.60	0.24	26.087	0.007	1474.	2.9
10	10.1	6.396	33.208	6.62	0.24	26.087	0.011	1474.	2.9
12	12.0	6.396	33.208	6.58	0.24	26.087	0.015	1474.	2.9
14	14.0	6.400	33.211	6.57	0.24	26.089	0.019	1474.	3.2
16	16.0	6.437	33.234	6.56	0.25	26.102	0.022	1475.	3.4
18	18.2	6.550	33.283	6.61	0.25	26.126	0.026	1475.	3.4
20	19.9	6.556	33.285	6.61	0.24	26.127	0.030	1475.	3.2
22	21.9	6.554	33.287	6.61	0.24	26.129	0.034	1475.	2.9
24	24.0	6.550	33.291	6.63	0.23	26.132	0.037	1475.	2.3
26	26.1	6.546	33.293	6.65	0.23	26.135	0.041	1475.	2.3
28	28.0	6.547	33.294	6.61	0.23	26.136	0.045	1475.	3.1
30	29.9	6.555	33.297	6.53	0.22	26.137	0.049	1475.	4.2
32	31.9	6.564	33.301	6.51	0.21	26.138	0.052	1475.	5.1
34	33.9	6.673	33.351	6.52	0.20	26.164	0.056	1476.	6.0
36	36.0	7.105	33.460	6.42	0.19	26.192	0.060	1478.	6.5
38	38.2	7.513	33.590	6.33	0.18	26.237	0.064	1479.	6.8
40	39.9	7.930	33.711	6.12	0.17	26.272	0.067	1481.	6.8
42	42.0	8.437	33.857	6.01	0.16	26.311	0.070	1483.	6.6
44	44.0	8.765	33.948	5.95	0.15	26.332	0.074	1485.	6.3
46	46.0	9.030	34.020	5.88	0.15	26.346	0.077	1486.	6.2
48	47.9	9.402	34.117	5.77	0.15	26.362	0.080	1487.	6.0
50	50.0	9.562	34.173	5.58	0.15	26.380	0.084	1488.	6.0
52	52.0	9.527	34.209	5.59	0.15	26.413	0.087	1488.	6.0
54	54.1	10.008	34.366	5.49	0.14	26.456	0.090	1490.	6.0
56	56.2	10.632	34.519	5.34	0.14	26.467	0.094	1492.	6.0
57	57.7	10.764	34.578	5.32	0.14	26.490	0.096	1493.	5.9
60	60.0	10.988	34.641	5.29	0.14	26.498	0.099	1494.	5.8
62	62.0	11.084	34.696	5.31	0.14	26.524	0.103	1494.	5.7
64	64.0	11.659	34.869	5.23	0.13	26.552	0.106	1497.	5.7
66	66.1	11.816	34.936	5.24	0.13	26.575	0.109	1497.	5.5
68	67.9	12.034	35.021	5.29	0.13	26.599	0.111	1498.	5.3
70	70.0	12.169	35.074	5.35	0.13	26.615	0.114	1499.	5.0
72	71.9	12.157	35.085	5.39	0.13	26.625	0.117	1499.	4.7
74	74.0	12.164	35.098	5.39	0.13	26.634	0.120	1499.	4.6
76	76.1	12.236	35.128	5.39	0.13	26.644	0.123	1499.	4.6
77	77.8	12.435	35.202	5.35	0.13	26.662	0.125	1500.	4.7
80	80.0	12.552	35.248	5.26	0.13	26.675	0.128	1500.	5.1
82	82.0	12.632	35.293	5.20	0.13	26.694	0.131	1501.	5.4
84	84.1	12.734	35.346	5.13	0.13	26.715	0.134	1501.	5.5
85	86.0	12.664	35.342	5.05	0.13	26.726	0.136	1501.	5.8
87	87.9	12.528	35.353	4.96	0.13	26.761	0.139	1500.	6.1
89	89.9	12.371	35.340	4.88	0.14	26.782	0.142	1500.	6.2
91	92.0	12.349	35.341	4.82	0.14	26.787	0.144	1500.	6.3
94	94.1	12.166	35.366	4.76	0.14	26.842	0.147	1499.	6.4
95	95.7	12.057	35.364	4.69	0.14	26.862	0.149	1499.	6.3
97	98.0	11.911	35.355	4.61	0.15	26.883	0.152	1499.	6.1
100	100.1	11.763	35.354	4.57	0.15	26.910	0.154	1498.	5.8
101	101.9	11.631	35.345	4.51	0.15	26.928	0.156	1498.	5.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	67	03 FEB 1982	2035	40°13.0'N	68°14.1'W	635

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
103	103.9	11.489	35.338	4.48	0.15	26.949	0.158	1497.	4.6
105	106.0	11.561	35.365	4.43	0.14	26.957	0.161	1497.	4.0
107	108.0	11.594	35.378	4.41	0.14	26.961	0.163	1498.	3.2
109	110.0	11.549	35.370	4.40	0.14	26.963	0.165	1498.	2.7
111	111.9	11.539	35.371	4.37	0.15	26.966	0.167	1498.	2.3
113	114.0	11.516	35.368	4.35	0.15	26.967	0.169	1497.	2.2
115	116.0	11.516	35.370	4.34	0.15	26.969	0.172	1498.	2.7
118	118.2	11.512	35.377	4.31	0.14	26.975	0.174	1498.	3.2
119	119.9	11.473	35.372	4.28	0.14	26.979	0.176	1497.	3.6
121	122.0	11.392	35.356	4.27	0.15	26.981	0.178	1497.	3.8
123	124.0	11.242	35.349	4.25	0.14	27.003	0.181	1497.	3.9
125	126.1	11.153	35.351	4.26	0.14	27.021	0.183	1496.	3.9
127	127.9	11.134	35.356	4.28	0.14	27.029	0.185	1496.	3.8
129	129.9	11.153	35.356	4.28	0.14	27.025	0.187	1496.	3.6
131	132.0	10.911	35.313	4.31	0.14	27.036	0.189	1496.	3.1
133	134.0	10.725	35.283	4.33	0.15	27.046	0.191	1495.	2.7
135	136.3	10.692	35.278	4.35	0.15	27.048	0.193	1495.	2.6
137	137.9	10.570	35.255	4.40	0.15	27.052	0.195	1494.	2.4
139	140.0	10.541	35.250	4.39	0.15	27.053	0.197	1494.	2.0
141	142.0	10.527	35.245	4.40	0.15	27.052	0.199	1494.	2.1
143	144.2	10.451	35.235	4.41	0.15	27.058	0.202	1494.	2.6
145	145.7	10.402	35.223	4.41	0.15	27.056	0.203	1494.	3.1
147	147.9	10.275	35.196	4.41	0.16	27.058	0.205	1493.	3.5
149	149.9	10.129	35.182	4.43	0.16	27.072	0.207	1493.	3.8
151	152.0	10.071	35.193	4.42	0.16	27.091	0.209	1493.	3.8
153	154.2	10.092	35.211	4.41	0.15	27.101	0.212	1493.	4.1
155	155.9	10.134	35.232	4.36	0.15	27.110	0.213	1493.	4.1
157	158.0	10.153	35.240	4.35	0.15	27.114	0.215	1493.	4.1
159	160.0	10.119	35.237	4.32	0.15	27.117	0.217	1493.	4.1
161	162.1	9.959	35.235	4.33	0.15	27.143	0.219	1493.	4.5
163	163.8	9.924	35.234	4.31	0.15	27.148	0.221	1493.	4.8
165	166.0	9.846	35.235	4.27	0.15	27.162	0.223	1492.	4.9
167	168.1	9.730	35.229	4.27	0.14	27.177	0.225	1492.	4.8
169	170.0	9.500	35.220	4.30	0.14	27.209	0.227	1491.	4.6
171	172.3	9.439	35.217	4.29	0.14	27.217	0.229	1491.	4.5
173	174.0	9.347	35.207	4.29	0.14	27.224	0.230	1491.	4.3
175	176.0	9.269	35.194	4.29	0.14	27.227	0.232	1490.	4.0
177	178.0	9.171	35.183	4.28	0.15	27.234	0.234	1490.	3.7
179	180.1	9.055	35.179	4.29	0.14	27.250	0.235	1490.	3.5
181	181.8	8.986	35.179	4.30	0.14	27.261	0.237	1489.	3.3
183	184.0	8.953	35.177	4.30	0.14	27.264	0.239	1489.	3.0
185	186.0	8.924	35.178	4.30	0.14	27.271	0.240	1489.	2.5
187	188.0	8.930	35.178	4.28	0.14	27.270	0.242	1489.	1.9
189	190.3	8.927	35.178	4.28	0.14	27.270	0.244	1489.	1.3
191	191.9	8.917	35.178	4.30	0.14	27.271	0.245	1489.	1.0
193	193.9	8.915	35.177	4.30	0.14	27.271	0.247	1489.	0.8
195	196.0	8.915	35.177	4.28	0.14	27.271	0.249	1489.	0.9
197	198.1	8.914	35.178	4.29	0.14	27.272	0.250	1489.	1.3
199	199.8	8.909	35.177	4.29	0.14	27.272	0.252	1489.	1.8
201	202.0	8.896	35.177	4.30	0.14	27.274	0.254	1489.	2.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	67	03 FEB 1982	2035	40°13.0'N	68°14.1'W	635

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
203	204.0	8.879	35.172	4.30	0.14	27.273	0.255	1489.	3.1
205	206.1	8.821	35.171	4.29	0.14	27.281	0.257	1489.	3.7
207	208.2	8.727	35.166	4.30	0.14	27.292	0.259	1489.	3.9
208	209.7	8.611	35.159	4.34	0.14	27.305	0.260	1488.	4.0
211	212.0	8.421	35.143	4.39	0.14	27.322	0.262	1488.	3.9
213	213.9	8.281	35.132	4.39	0.14	27.335	0.263	1487.	3.6
215	216.0	8.287	35.131	4.40	0.14	27.333	0.265	1487.	3.2
217	218.2	8.251	35.129	4.40	0.13	27.338	0.267	1487.	2.7
219	219.8	8.209	35.125	4.43	0.14	27.341	0.268	1487.	2.2
221	221.9	8.172	35.122	4.43	0.14	27.344	0.269	1487.	1.9
223	224.0	8.148	35.121	4.44	0.14	27.347	0.271	1487.	1.9
225	226.1	8.142	35.119	4.43	0.14	27.346	0.273	1487.	1.7
227	228.0	8.131	35.120	4.46	0.13	27.349	0.274	1487.	2.4
229	230.0	8.118	35.120	4.50	0.14	27.351	0.276	1487.	2.9
231	232.0	8.106	35.118	4.48	0.14	27.351	0.277	1487.	3.2
233	234.0	8.032	35.104	4.48	0.14	27.351	0.279	1487.	3.4
235	236.3	7.739	35.091	4.53	0.13	27.384	0.280	1485.	3.3
236	237.8	7.717	35.090	4.54	0.13	27.387	0.281	1485.	3.2
239	240.0	7.673	35.086	4.53	0.13	27.390	0.283	1485.	3.0
241	242.0	7.669	35.084	4.53	0.13	27.390	0.284	1485.	2.5
243	244.2	7.660	35.085	4.54	0.13	27.391	0.286	1485.	1.4
245	246.1	7.641	35.083	4.55	0.13	27.393	0.287	1485.	1.2
246	247.8	7.637	35.083	4.55	0.13	27.393	0.289	1485.	1.0
248	249.9	7.614	35.079	4.56	0.13	27.394	0.290	1485.	1.0
250	252.0	7.615	35.080	4.54	0.13	27.394	0.292	1485.	0.9
253	254.2	7.622	35.081	4.54	0.13	27.394	0.293	1485.	0.7
254	256.0	7.613	35.080	4.54	0.13	27.395	0.294	1485.	0.8
256	257.7	7.592	35.078	4.54	0.13	27.396	0.296	1485.	0.9
258	259.9	7.585	35.076	4.53	0.14	27.396	0.297	1485.	1.2
260	262.0	7.583	35.074	4.53	0.14	27.394	0.299	1485.	1.6
263	264.2	7.555	35.071	4.55	0.13	27.396	0.300	1485.	1.9
264	265.9	7.529	35.069	4.54	0.13	27.398	0.302	1485.	2.1
266	268.0	7.443	35.060	4.56	0.13	27.404	0.303	1485.	2.3
268	270.0	7.394	35.058	4.56	0.13	27.409	0.305	1485.	2.4
270	272.0	7.367	35.057	4.58	0.13	27.412	0.306	1485.	2.3
272	274.0	7.339	35.054	4.59	0.13	27.414	0.307	1485.	2.2
274	276.1	7.310	35.051	4.60	0.13	27.416	0.309	1484.	1.9
276	277.9	7.286	35.051	4.60	0.13	27.419	0.310	1484.	2.0
278	280.1	7.285	35.051	4.61	0.13	27.419	0.312	1484.	2.2
280	281.8	7.271	35.051	4.63	0.13	27.421	0.313	1484.	2.3
282	284.0	7.221	35.043	4.64	0.13	27.422	0.314	1484.	2.5
284	286.0	7.121	35.040	4.66	0.13	27.433	0.316	1484.	2.5
286	288.1	7.091	35.037	4.67	0.13	27.436	0.317	1484.	2.4
288	290.2	7.056	35.036	4.68	0.13	27.440	0.319	1484.	2.2
290	291.7	7.041	35.036	4.70	0.13	27.442	0.320	1484.	1.9
292	293.9	7.034	35.036	4.71	0.13	27.443	0.321	1484.	1.5
294	296.0	7.032	35.036	4.71	0.13	27.443	0.322	1484.	1.5
296	298.1	7.027	35.036	4.70	0.13	27.443	0.324	1484.	1.5
298	300.3	7.017	35.035	4.71	0.13	27.444	0.325	1484.	1.5
300	301.6	7.013	35.036	4.72	0.13	27.446	0.326	1484.	1.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	67	03 FEB 1982	2035	40°13.0'N	68°14.1'W	635

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
302	304.0	6.947	35.030	4.73	0.13	27.450	0.328	1483.	1.6
304	306.0	6.929	35.028	4.74	0.13	27.451	0.329	1483.	1.5
306	308.1	6.922	35.028	4.73	0.13	27.452	0.331	1483.	1.4
308	310.1	6.913	35.028	4.75	0.13	27.453	0.332	1483.	1.3
310	311.8	6.913	35.027	4.75	0.13	27.453	0.333	1483.	1.3
312	314.0	6.902	35.026	4.74	0.13	27.453	0.335	1483.	1.4
314	316.1	6.895	35.024	4.75	0.13	27.452	0.336	1483.	1.4
316	318.1	6.862	35.023	4.74	0.13	27.456	0.337	1483.	1.5
318	320.1	6.842	35.023	4.75	0.13	27.459	0.339	1483.	1.5
320	321.8	6.836	35.023	4.76	0.13	27.460	0.340	1483.	1.4
322	324.0	6.834	35.022	4.77	0.13	27.460	0.341	1483.	1.4
324	326.0	6.825	35.023	4.75	0.13	27.461	0.343	1483.	1.3
326	328.0	6.820	35.022	4.75	0.13	27.461	0.344	1483.	1.3
328	330.0	6.812	35.021	4.76	0.13	27.462	0.345	1483.	1.2
330	331.9	6.795	35.021	4.80	0.13	27.464	0.346	1483.	1.8
332	333.9	6.758	35.018	4.82	0.14	27.467	0.348	1483.	2.2
334	335.9	6.744	35.014	4.82	0.14	27.466	0.349	1483.	2.6
336	338.1	6.711	35.006	4.82	0.14	27.464	0.350	1483.	3.1
338	340.1	6.616	35.011	4.84	0.13	27.480	0.352	1483.	3.4
340	341.9	6.569	35.010	4.85	0.13	27.486	0.353	1483.	3.4
342	344.0	6.444	34.999	4.86	0.14	27.494	0.354	1482.	3.4
344	346.0	6.340	35.003	4.89	0.14	27.511	0.356	1482.	3.1
346	348.1	6.338	35.002	4.90	0.13	27.511	0.357	1482.	2.5
348	350.1	6.345	35.003	4.93	0.13	27.510	0.358	1482.	2.0
350	351.9	6.345	35.003	4.95	0.13	27.510	0.359	1482.	1.2
352	353.9	6.346	35.003	4.94	0.13	27.510	0.360	1482.	-0.8
354	356.0	6.346	35.004	4.93	0.13	27.511	0.362	1482.	-1.2
356	358.1	6.356	35.002	4.93	0.13	27.508	0.363	1482.	-1.4
358	360.2	6.356	35.002	4.95	0.13	27.509	0.364	1482.	-1.5
360	362.0	6.370	35.003	4.95	0.14	27.507	0.365	1482.	-1.5
362	363.9	6.418	35.002	4.95	0.14	27.500	0.367	1482.	-1.2
364	365.9	6.425	35.006	4.95	0.14	27.502	0.368	1482.	-0.5
366	368.1	6.459	35.009	4.93	0.13	27.500	0.369	1483.	0.8
368	370.0	6.435	35.008	4.92	0.13	27.503	0.370	1483.	1.2
370	372.0	6.377	35.006	4.95	0.13	27.508	0.372	1482.	1.5
371	373.8	6.356	35.003	4.97	0.13	27.509	0.373	1482.	1.4
374	375.9	6.364	35.004	4.95	0.14	27.509	0.374	1482.	1.3
376	378.0	6.366	35.004	4.95	0.14	27.509	0.375	1482.	1.0
378	380.0	6.366	35.004	4.94	0.13	27.509	0.377	1482.	0.8
380	382.1	6.367	35.005	4.96	0.13	27.509	0.378	1482.	0.9
381	383.7	6.370	35.006	4.98	0.14	27.510	0.379	1483.	1.1
383	385.9	6.364	35.006	4.96	0.14	27.510	0.380	1483.	1.1
386	388.1	6.343	35.005	4.96	0.14	27.513	0.382	1482.	1.1
388	390.1	6.338	35.005	4.96	0.14	27.513	0.383	1482.	1.0
390	392.2	6.337	35.006	4.99	0.14	27.514	0.384	1483.	0.8
391	393.6	6.338	35.005	4.99	0.14	27.513	0.385	1483.	0.6
393	396.0	6.337	35.005	4.99	0.14	27.513	0.387	1483.	-0.2
395	398.0	6.338	35.006	5.01	0.14	27.514	0.388	1483.	0.0
397	400.0	6.348	35.006	5.00	0.14	27.512	0.389	1483.	0.2
400	402.2	6.342	35.005	4.99	0.14	27.512	0.390	1483.	0.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	67	03 FEB 1982	2035	40°13.0'N	68°14.1'W	635

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
401	404.0	6.340	35.005	4.96	0.14	27.513	0.392	1483.	0.6
403	406.0	6.334	35.005	4.98	0.14	27.514	0.393	1483.	0.7
405	408.0	6.334	35.005	4.98	0.14	27.514	0.394	1483.	0.8
408	410.3	6.334	35.007	4.99	0.14	27.515	0.395	1483.	0.7
409	411.8	6.335	35.007	4.98	0.14	27.515	0.396	1483.	0.6
411	414.0	6.332	35.006	4.97	0.14	27.515	0.398	1483.	0.4
413	416.1	6.329	35.006	4.98	0.14	27.515	0.399	1483.	0.4
416	418.3	6.331	35.006	4.98	0.14	27.514	0.400	1483.	0.3
417	419.6	6.331	35.006	4.99	0.14	27.514	0.401	1483.	0.4
419	422.0	6.330	35.006	4.99	0.14	27.514	0.403	1483.	0.4
421	424.2	6.328	35.006	4.99	0.14	27.515	0.404	1483.	0.4
423	426.0	6.326	35.006	4.98	0.14	27.515	0.405	1483.	0.6
425	428.0	6.331	35.007	4.99	0.14	27.515	0.406	1483.	1.0
427	430.1	6.347	35.009	5.00	0.14	27.515	0.408	1483.	1.8
429	431.8	6.346	35.010	5.03	0.14	27.515	0.409	1483.	2.2
431	434.0	6.322	35.008	5.02	0.15	27.517	0.410	1483.	2.4
433	436.1	6.286	35.007	5.03	0.15	27.521	0.411	1483.	2.5
435	438.1	6.164	35.006	5.05	0.15	27.536	0.413	1483.	2.5
437	439.9	6.132	35.000	5.06	0.15	27.536	0.414	1482.	2.3
439	442.2	6.121	35.001	5.10	0.15	27.538	0.415	1482.	2.2
441	443.9	6.122	35.001	5.09	0.15	27.538	0.416	1483.	1.9
443	446.0	6.120	34.999	5.08	0.15	27.537	0.417	1483.	1.6
445	448.0	6.098	34.997	5.09	0.15	27.538	0.419	1482.	1.7
447	450.4	6.054	34.998	5.12	0.15	27.544	0.420	1482.	1.8
449	451.9	6.040	34.998	5.13	0.15	27.547	0.421	1482.	1.9
451	453.9	6.014	34.996	5.13	0.15	27.548	0.422	1482.	2.0
453	456.0	6.010	34.995	5.12	0.15	27.548	0.423	1482.	1.8
455	458.0	5.994	34.995	5.15	0.15	27.550	0.425	1482.	1.6
457	460.4	5.960	34.993	5.17	0.15	27.552	0.426	1482.	1.7
459	461.7	5.942	34.994	5.17	0.15	27.556	0.427	1482.	1.8
461	464.0	5.933	34.991	5.18	0.15	27.555	0.428	1482.	2.0
463	466.0	5.924	34.990	5.18	0.15	27.555	0.429	1482.	2.0
465	468.2	5.888	34.992	5.21	0.15	27.561	0.431	1482.	2.1
467	469.8	5.853	34.990	5.21	0.15	27.564	0.431	1482.	2.1
469	472.0	5.831	34.989	5.23	0.15	27.566	0.433	1482.	2.0
471	474.1	5.796	34.988	5.24	0.15	27.570	0.434	1482.	2.1
473	476.1	5.781	34.988	5.27	0.15	27.571	0.435	1482.	2.2
475	477.9	5.754	34.987	5.27	0.15	27.574	0.436	1482.	2.1
477	480.0	5.758	34.979	5.28	0.15	27.567	0.437	1482.	2.1
479	482.1	5.657	34.983	5.32	0.15	27.582	0.439	1481.	2.0
481	483.7	5.648	34.983	5.30	0.15	27.584	0.439	1481.	2.0
483	486.0	5.650	34.981	5.28	0.15	27.582	0.441	1481.	1.9
485	488.0	5.640	34.982	5.30	0.15	27.584	0.442	1481.	1.9
486	489.2	5.635	34.982	5.32	0.15	27.585	0.443	1481.	1.0
487	490.0	5.632	34.982	5.29	0.15	27.585	0.443	1481.	1.0
488	491.0	5.632	34.982	5.24	0.15	27.585	0.443	1481.	1.1
489	492.0	5.629	34.983	5.23	0.15	27.586	0.444	1481.	0.6
490	493.0	5.630	34.982	5.23	0.15	27.585	0.445	1481.	-0.2
491	494.0	5.625	34.982	5.23	0.15	27.586	0.445	1481.	0.7
492	495.1	5.626	34.981	5.24	0.15	27.585	0.446	1481.	1.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	67	03 FEB 1982	2035	40°13.0'N	68°14.1'W	635

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
493	496.0	5.637	34.982	5.27	0.15	27.585	0.446	1481.	1.1
494	496.9	5.634	34.982	5.26	0.15	27.585	0.447	1481.	1.1
495	498.0	5.616	34.983	5.27	0.15	27.588	0.447	1481.	1.1
495	498.8	5.590	34.981	5.30	0.15	27.590	0.448	1481.	1.1

STA 68 DAY: 3 TIME: 2111

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
	5.4	37.9	7.1	61.2	11.1	111.4	10.7	150.8	10.2
	5.4	38.9	7.2	62.2	11.1	112.4	10.9	152.7	10.2
0.0	5.4	39.9	7.3	63.1	11.2	112.4	11.0	153.7	10.2
1.0	5.4	39.9	7.4	65.1	11.2	112.4	11.2	155.6	10.2
1.9	5.4	40.9	7.4	66.0	11.2	112.4	11.3	158.5	10.2
2.9	5.4	40.9	7.5	67.0	11.2	113.4	11.4	159.4	10.1
3.9	5.4	40.9	7.5	69.0	11.2	114.3	11.4	161.4	10.1
5.8	5.4	41.8	7.6	69.0	11.2	115.3	11.4	163.3	10.1
5.8	5.4	41.8	7.7	70.9	11.3	115.3	11.4	166.2	10.1
7.8	5.4	42.8	7.8	70.9	11.4	116.2	11.5	168.1	10.1
7.8	5.4	43.8	7.9	72.8	11.4	117.2	11.6	169.0	10.1
8.8	5.5	44.7	8.0	73.8	11.4	118.2	11.6	170.9	10.1
8.8	5.5	45.7	8.1	75.7	11.5	119.1	11.5	172.9	10.1
9.7	5.6	45.7	8.2	76.7	11.5	119.1	11.4	176.7	10.1
10.7	5.6	45.7	8.3	77.7	11.6	119.1	11.3	177.6	10.1
11.7	5.7	46.7	8.4	78.6	11.6	120.1	11.2	180.5	10.1
12.7	5.7	46.7	8.4	79.6	11.6	120.1	11.0	183.4	10.1
12.7	5.8	46.7	8.5	81.5	11.6	120.1	11.0	186.2	10.1
13.6	5.8	46.7	8.7	82.5	11.6	120.1	10.8	189.1	10.1
13.6	5.8	46.7	8.8	84.4	11.6	121.1	10.7	191.0	10.1
14.6	5.8	47.6	8.8	85.4	11.6	121.1	10.6	193.9	10.1
16.6	5.9	47.6	8.9	86.4	11.6	121.1	10.5	196.7	10.1
17.5	5.9	47.6	9.0	87.3	11.6	121.1	10.4	199.6	10.1
18.5	5.9	48.6	9.1	89.2	11.6	122.0	10.2	202.5	10.1
19.5	5.9	48.6	9.2	91.2	11.6	123.0	10.2	205.3	10.1
20.4	6.0	48.6	9.3	93.1	11.5	123.0	10.0	209.1	10.1
20.4	6.0	49.6	9.4	95.0	11.5	123.0	9.9	212.0	10.1
21.4	6.1	49.6	9.5	95.0	11.5	123.9	9.8	213.9	10.1
21.4	6.1	48.6	9.7	96.0	11.5	124.9	9.7	216.7	10.1
22.4	6.1	48.6	9.8	97.9	11.5	125.9	9.8	217.7	10.1
23.4	6.1	49.6	9.9	98.9	11.5	125.9	9.8	218.6	10.1
25.3	6.2	49.6	10.1	98.9	11.4	126.8	9.9	220.5	10.1
26.3	6.2	49.6	10.2	99.9	11.4	127.8	10.0	221.5	10.0
27.3	6.3	50.6	10.3	101.8	11.3	129.7	10.0	222.4	10.0
27.3	6.4	51.5	10.3	101.8	11.3	129.7	10.0	223.4	9.9
28.2	6.4	52.5	10.3	102.8	11.2	131.6	10.0	223.4	9.9
29.2	6.5	52.5	10.5	102.8	11.1	132.6	10.0	224.4	9.8
29.2	6.5	52.5	10.5	103.7	11.1	133.5	10.1	225.3	9.8
29.2	6.6	53.5	10.6	103.7	11.0	135.5	10.2	226.3	9.8
30.2	6.6	53.5	10.7	104.7	10.8	136.4	10.2	226.3	9.7
31.1	6.7	54.4	10.7	104.7	10.8	137.4	10.3	227.2	9.7
31.1	6.7	54.4	10.8	105.6	10.7	137.4	10.4	227.2	9.6
32.1	6.8	55.4	10.8	105.6	10.6	139.3	10.3	228.2	9.5
33.1	6.8	56.4	10.9	106.6	10.5	141.2	10.4	230.1	9.5
34.1	6.8	56.4	11.0	108.5	10.5	143.1	10.3	231.0	9.4
35.0	6.8	57.3	11.0	109.5	10.4	144.1	10.3	232.0	9.4
36.0	6.9	58.3	11.1	109.5	10.3	146.0	10.3	232.0	9.4
36.0	6.9	59.3	11.0	110.5	10.3	148.9	10.3	233.9	9.3
37.0	7.0	60.2	11.1	110.5	10.5	148.9	10.3	234.8	9.2
37.9	7.1	61.2	11.1	111.4	10.6	149.9	10.3	235.8	9.2

STA 68 DAY: 3 TIME: 2111

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
235.8	9.1	303.9	7.5	380.8	6.5
235.8	9.1	305.8	7.5	382.7	6.5
237.7	9.0	307.6	7.4	384.5	6.5
239.6	9.0	308.6	7.4	385.5	6.5
240.5	9.0	310.5	7.3	387.3	6.5
241.5	8.9	311.4	7.3	388.3	6.5
243.4	8.9	312.4	7.3	389.2	6.4
244.3	8.8	314.2	7.2	391.1	6.4
244.3	8.8	314.2	7.2	392.9	6.4
245.2	8.7	315.2	7.1	395.7	6.4
246.2	8.6	316.1	7.0	397.6	6.4
247.1	8.6	317.1	6.9	399.5	6.5
250.0	8.5	319.9	6.9	402.3	6.5
250.0	8.5	320.8	6.9	405.1	6.5
251.9	8.5	322.7	6.8	407.8	6.5
253.8	8.4	324.6	6.8	410.6	6.5
254.7	8.4	326.5	6.8	412.5	6.4
255.7	8.4	327.4	6.8	414.4	6.4
256.6	8.4	329.3	6.8	415.3	6.4
258.5	8.3	330.2	6.8		
260.4	8.3	333.0	6.7		
261.4	8.3	334.9	6.7		
263.3	8.3	336.8	6.7		
264.2	8.3	338.7	6.7		
266.1	8.2	340.5	6.7		
267.0	8.2	341.5	6.7		
268.0	8.1	342.4	6.7		
268.9	8.1	344.3	6.7		
269.9	8.1	346.2	6.6		
271.8	8.0	349.0	6.6		
273.7	8.0	350.9	6.6		
274.6	7.9	352.7	6.6		
275.6	7.9	354.6	6.6		
277.4	7.9	356.5	6.6		
278.4	7.8	358.4	6.6		
279.3	7.8	360.2	6.6		
281.2	7.8	361.2	6.6		
282.2	7.7	363.0	6.6		
283.1	7.6	364.9	6.5		
284.1	7.6	367.7	6.5		
285.0	7.6	368.7	6.6		
286.9	7.5	370.5	6.6		
289.7	7.6	371.5	6.6		
290.7	7.5	372.4	6.6		
293.5	7.5	372.4	6.6		
294.4	7.5	373.3	6.6		
296.3	7.5	374.3	6.5		
297.3	7.5	375.2	6.5		
299.2	7.5	378.0	6.5		
300.1	7.5	379.9	6.5		

STA 69 DAY: 3 TIME: 2120

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.9	5.4	69.9	6.5	117.2	9.3
1.9	5.3	71.9	6.5	118.2	9.3
2.9	5.3	71.9	6.6	120.1	9.3
4.9	5.3	72.8	6.6	122.0	9.4
5.8	5.3	74.8	6.7	123.0	9.4
7.8	5.3	74.8	6.7	123.9	9.4
9.7	5.3	77.7	6.7	124.9	9.4
10.7	5.3	77.7	6.8	125.9	9.5
12.7	5.3	78.6	6.8	127.8	9.5
14.6	5.3	79.6	6.9	128.7	9.5
16.6	5.3	80.6	7.1	130.7	9.5
17.5	5.3	81.5	7.1	131.6	9.5
19.5	5.3	81.5	7.2	133.5	9.5
21.4	5.3	82.5	7.3	135.5	9.5
23.4	5.3	83.5	7.4	136.4	9.6
26.3	5.3	84.4	7.4	137.4	9.6
26.3	5.3	85.4	7.4	138.3	9.7
29.2	5.3	86.4	7.5	139.3	9.7
30.2	5.3	87.3	7.5	139.3	9.8
31.1	5.2	88.3	7.6	139.3	9.9
32.1	5.2	89.2	7.8	139.3	10.0
33.1	5.2	91.2	7.9	140.3	10.1
34.1	5.2	92.1	8.0	140.3	10.2
36.0	5.2	92.1	8.0	140.3	10.3
37.9	5.3	93.1	8.1	141.2	10.4
38.9	5.3	94.1	8.1	141.2	10.5
39.9	5.3	95.0	8.1	142.2	10.6
41.8	5.3	96.0	8.1	144.1	10.6
43.8	5.3	97.0	8.0	146.0	10.6
45.7	5.4	97.9	8.0	147.9	10.7
45.7	5.4	98.9	8.0	148.9	10.7
48.6	5.4	98.9	8.2	150.8	10.7
49.6	5.4	99.9	8.2		
50.6	5.4	100.8	8.2		
52.5	5.5	101.8	8.2		
53.5	5.5	103.7	8.3		
54.4	5.5	104.7	8.4		
55.4	5.6	105.6	8.5		
57.3	5.6	105.6	8.5		
57.3	5.7	105.6	8.7		
58.3	5.7	106.6	8.8		
60.2	5.8	107.6	8.9		
61.2	5.8	107.6	9.0		
62.2	5.8	108.5	9.1		
65.1	5.9	109.5	9.2		
66.0	5.9	109.5	9.2		
67.0	5.9	111.4	9.3		
68.0	6.1	112.4	9.3		
69.0	6.2	113.4	9.2		
69.9	6.4	115.3	9.2		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	70	03 FEB 1982	2151	40°22.0'N	68°20.5'W	123

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
3	2.8	4.562	32.755	7.24	0.27	25.943	0.000	1466.	0.3
4	3.9	4.561	32.755	7.22	0.27	25.943	0.002	1466.	0.3
6	6.0	4.561	32.755	7.20	0.27	25.943	0.007	1466.	0.3
8	8.1	4.561	32.755	7.23	0.27	25.943	0.011	1466.	0.3
10	9.8	4.559	32.755	7.23	0.26	25.943	0.014	1466.	0.3
12	11.9	4.557	32.755	7.22	0.26	25.943	0.019	1466.	0.4
14	14.1	4.554	32.755	7.24	0.26	25.944	0.023	1466.	0.7
16	15.8	4.554	32.754	7.24	0.26	25.944	0.027	1466.	1.7
18	18.0	4.554	32.754	7.21	0.26	25.944	0.031	1466.	2.3
20	20.1	4.553	32.755	7.24	0.27	25.944	0.035	1466.	2.8
22	21.7	4.553	32.758	7.21	0.26	25.947	0.039	1466.	3.2
24	24.0	4.664	32.798	7.15	0.25	25.966	0.043	1467.	3.3
26	26.3	4.741	32.821	7.15	0.24	25.977	0.048	1467.	3.3
28	27.9	4.805	32.837	7.08	0.24	25.982	0.051	1468.	3.1
30	30.1	4.865	32.853	7.10	0.23	25.989	0.056	1468.	2.7
32	32.0	4.866	32.854	7.06	0.23	25.989	0.060	1468.	2.0
34	34.3	4.871	32.855	7.08	0.23	25.989	0.064	1468.	1.6
36	35.8	4.872	32.856	7.07	0.23	25.990	0.067	1468.	1.2
38	38.1	4.871	32.856	7.07	0.23	25.990	0.072	1468.	0.9
40	40.2	4.873	32.858	7.08	0.23	25.991	0.076	1468.	0.9
41	41.7	4.871	32.858	7.07	0.23	25.992	0.079	1468.	0.9
44	44.0	4.865	32.857	7.06	0.23	25.992	0.084	1468.	1.0
46	46.2	4.861	32.857	7.09	0.23	25.992	0.088	1468.	1.1
48	47.8	4.857	32.857	7.08	0.24	25.993	0.091	1468.	1.2
50	50.0	4.858	32.859	7.07	0.24	25.994	0.096	1468.	1.3
52	52.2	4.865	32.862	7.08	0.23	25.996	0.100	1468.	1.4
53	53.8	4.872	32.865	7.05	0.23	25.997	0.103	1468.	1.5
56	56.1	4.888	32.868	7.06	0.23	25.998	0.108	1468.	1.5
58	57.9	4.902	32.873	7.07	0.23	26.000	0.112	1469.	1.5
60	60.0	4.912	32.875	7.05	0.23	26.001	0.116	1469.	2.0
62	62.1	4.931	32.881	7.04	0.23	26.003	0.120	1469.	3.1
64	64.0	4.949	32.885	7.01	0.23	26.004	0.124	1469.	4.0
66	66.1	4.972	32.891	6.99	0.23	26.007	0.128	1469.	4.8
67	67.9	5.121	32.934	6.92	0.22	26.024	0.131	1470.	5.3
70	70.2	5.542	33.049	6.82	0.21	26.067	0.136	1472.	5.6
72	72.0	5.713	33.105	6.75	0.20	26.091	0.139	1472.	5.6
74	73.9	5.869	33.164	6.69	0.21	26.119	0.143	1473.	5.4
76	76.0	5.948	33.188	6.68	0.21	26.128	0.147	1473.	4.9
78	78.0	5.970	33.201	6.67	0.21	26.135	0.151	1474.	4.1
79	79.9	5.983	33.210	6.66	0.21	26.141	0.154	1474.	3.5
82	82.0	6.034	33.230	6.64	0.21	26.150	0.158	1474.	3.1
83	83.9	6.173	33.264	6.62	0.21	26.160	0.162	1475.	3.0
86	86.1	6.185	33.268	6.59	0.21	26.161	0.166	1475.	2.8
88	88.2	6.180	33.267	6.60	0.21	26.161	0.170	1475.	2.6
89	90.0	6.205	33.280	6.59	0.21	26.168	0.173	1475.	2.7
92	92.2	6.084	33.271	6.62	0.21	26.177	0.177	1474.	3.5
93	93.9	6.085	33.270	6.60	0.21	26.175	0.180	1474.	4.4
96	96.1	6.067	33.271	6.61	0.22	26.178	0.184	1474.	5.0
97	97.9	6.082	33.291	6.58	0.23	26.192	0.188	1475.	5.4
100	100.1	6.193	33.375	6.54	0.23	26.244	0.192	1475.	5.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	70	03 FEB 1982	2151	40°22.0'N	68°20.5'W	123

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
101	101.8	6.255	33.419	6.50	0.24	26.271	0.195	1475.	5.7
103	104.0	6.284	33.440	6.47	0.24	26.284	0.198	1476.	5.7
106	106.2	6.328	33.464	6.44	0.24	26.297	0.202	1476.	5.5
107	107.9	6.402	33.497	6.38	0.25	26.315	0.205	1476.	5.3
109	110.0	6.447	33.520	6.37	0.25	26.327	0.209	1476.	5.6
111	111.2	6.456	33.531	6.37	0.25	26.334	0.211	1477.	6.1
111	112.0	6.580	33.585	6.34	0.26	26.360	0.212	1477.	6.6
112	112.9	6.689	33.631	6.31	0.26	26.382	0.214	1478.	6.8
113	114.0	6.738	33.658	6.30	0.27	26.398	0.215	1478.	6.7
114	115.0	6.845	33.694	6.27	0.28	26.411	0.217	1478.	6.7
115	116.0	7.104	33.758	6.22	0.28	26.426	0.219	1479.	6.7
116	117.0	7.111	33.767	6.24	0.28	26.433	0.220	1479.	6.7
117	118.1	7.237	33.791	6.19	0.28	26.434	0.222	1480.	6.7

STA 71 DAY: 3 TIME: 2221

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
2.9	5.0	92.1	4.1
3.9	5.0	93.1	4.1
3.9	4.9	95.0	4.1
6.8	4.9	96.0	4.2
9.7	4.9	97.9	4.2
11.7	4.9	97.9	4.3
14.6	4.9	100.8	4.3
17.5	4.9	101.8	4.3
18.5	4.9	102.8	4.3
21.4	4.9	104.7	4.3
23.4	4.9	106.6	4.3
25.3	4.9	108.5	4.3
28.2	4.9	109.5	4.4
30.2	4.9		
31.1	4.8		
32.1	4.8		
34.1	4.8		
36.0	4.8		
37.9	4.8		
39.9	4.8		
40.9	4.8		
41.8	4.7		
43.8	4.7		
45.7	4.7		
48.6	4.7		
50.6	4.7		
51.5	4.7		
52.5	4.7		
54.4	4.6		
55.4	4.5		
56.4	4.4		
57.3	4.4		
59.3	4.3		
59.3	4.2		
60.2	4.2		
61.2	4.2		
63.1	4.2		
65.1	4.2		
68.0	4.2		
69.0	4.2		
70.9	4.1		
73.8	4.1		
74.8	4.1		
76.7	4.1		
79.6	4.0		
81.5	4.0		
83.5	4.0		
85.4	4.0		
88.3	4.0		
90.2	4.1		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	113	72	03 FEB 1982	2241	40°29.0'N	68°25.4'W	95

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY mL/L	ATN m^{-1}	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
5	4.7	4.525	32.713	7.28	0.30	25.914	0.000	1466.	2.7
6	6.4	4.525	32.714	7.26	0.29	25.915	0.003	1466.	2.7
8	7.9	4.524	32.714	7.28	0.29	25.914	0.007	1466.	2.7
10	10.0	4.520	32.714	7.25	0.29	25.915	0.011	1466.	2.7
12	12.1	4.514	32.714	7.22	0.29	25.916	0.015	1466.	2.7
14	14.1	4.506	32.712	7.16	0.28	25.915	0.019	1466.	3.4
16	15.9	4.438	32.705	7.15	0.29	25.916	0.023	1466.	3.8
18	18.0	4.354	32.714	7.14	0.29	25.932	0.027	1465.	4.0
20	20.0	4.076	32.717	7.20	0.29	25.963	0.032	1464.	4.0
22	22.2	3.971	32.720	7.22	0.28	25.976	0.036	1464.	3.8
24	23.8	3.958	32.720	7.21	0.28	25.977	0.039	1464.	3.3
26	26.0	3.958	32.721	7.21	0.29	25.978	0.044	1464.	2.6
28	28.2	3.951	32.721	7.22	0.29	25.979	0.048	1464.	1.5
30	30.0	3.947	32.721	7.21	0.29	25.979	0.052	1464.	0.9
32	32.1	3.947	32.721	7.23	0.29	25.979	0.056	1464.	0.8
34	34.0	3.942	32.722	7.21	0.29	25.980	0.060	1464.	0.7
36	35.9	3.940	32.722	7.24	0.29	25.980	0.064	1464.	0.6
38	38.0	3.937	32.721	7.23	0.29	25.980	0.068	1464.	0.6
40	40.0	3.936	32.721	7.22	0.30	25.980	0.072	1464.	0.5
42	42.2	3.936	32.722	7.20	0.30	25.981	0.077	1464.	0.4
44	43.8	3.936	32.722	7.23	0.29	25.980	0.080	1464.	0.3
46	46.1	3.936	32.722	7.25	0.31	25.981	0.084	1464.	0.3
47	47.8	3.936	32.722	7.24	0.30	25.980	0.088	1464.	0.3
50	50.1	3.936	32.722	7.24	0.30	25.980	0.092	1464.	0.2
52	51.9	3.936	32.722	7.24	0.30	25.981	0.096	1464.	0.3
54	54.0	3.936	32.722	7.22	0.29	25.980	0.100	1464.	0.3
56	56.2	3.935	32.722	7.24	0.29	25.981	0.105	1464.	0.3
58	58.0	3.934	32.722	7.25	0.30	25.981	0.108	1464.	0.3
60	60.0	3.932	32.721	7.23	0.31	25.981	0.112	1464.	0.3
62	62.1	3.932	32.722	7.23	0.32	25.981	0.117	1464.	0.3
64	63.9	3.931	32.721	7.24	0.33	25.981	0.120	1464.	0.3
66	66.0	3.930	32.721	7.26	0.36	25.981	0.125	1464.	0.3
68	68.0	3.931	32.722	7.26	0.35	25.981	0.129	1465.	0.3
69	69.9	3.930	32.721	7.25	0.35	25.981	0.132	1465.	0.3
72	72.1	3.930	32.722	7.26	0.37	25.981	0.137	1465.	0.3
73	73.8	3.930	32.722	7.25	0.38	25.981	0.140	1465.	0.2
76	76.1	3.930	32.722	7.24	0.38	25.981	0.145	1465.	0.2
78	78.0	3.930	32.722	7.25	0.37	25.981	0.149	1465.	0.2
79	79.9	3.930	32.722	7.22	0.35	25.981	0.152	1465.	0.1
82	82.1	3.930	32.721	7.23	0.38	25.981	0.157	1465.	0.2
83	83.3	3.930	32.722	7.23	0.41	25.981	0.159	1465.	0.1
83	83.9	3.930	32.722	7.23	0.37	25.981	0.161	1465.	-0.1
85	85.0	3.930	32.722	7.24	0.38	25.981	0.163	1465.	0.0
85	86.0	3.930	32.722	7.25	0.38	25.981	0.165	1465.	-0.2
87	87.0	3.930	32.721	7.24	0.38	25.981	0.167	1465.	-0.4
87	87.9	3.930	32.722	7.23	0.39	25.981	0.169	1465.	-0.5
88	89.0	3.931	32.722	7.24	0.39	25.981	0.171	1465.	-0.5
89	90.0	3.931	32.721	7.23	0.39	25.981	0.173	1465.	-0.5
91	91.0	3.931	32.721	7.24	0.41	25.981	0.175	1465.	-0.5
92	92.0	3.931	32.721	7.26	0.40	25.980	0.177	1465.	-0.5

Appendix II

Manufacturers' specifications for instruments used on R/V OCEANUS Cruise 113 See text for calibration of CTD.

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

*See text for discussion of temperature and depth accuracy.

Appendix III.- 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 III-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)