U.S. DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

HYDROGRAPHY OF THE LYDONIA CANYON:

DATA REPORT FOR R/V OCEANUS CRUISE 95, April-May, 1981

by

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

Open-File Report 86-286

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

[1]Woods Hole, MA

1986

U.S. DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

HYDROGRAPHY OF LYDONIA CANYON:

DATA REPORT FOR R/V OCEANUS CRUISE 95, April-May, 1981

by

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

Open-File Report 86-286

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

[1]Woods Hole, MA

1986

CONTENTS

	Page
Introduction	1
Objectives	1
Station procedures	1
Instrument description	2
Instrument calibration	3
Temperature time-lag	3
Salinity	3
Oxygen	4
Light transmission	5
Summary	5
Data processing	5
Data products	6
Vertical sections	6
Horizontal sections	7
TS diagrams	7
Station profiles	7
Data listings	8
Acknowledgments	8
References	8
Tables	10
Illustrations	17
Appendix I. Data Listings	151
Appendix II. Instrument Specifications	223
Appendix III. NBIS CTD 9-track tape format	224

TABLES

		Page
Table 1.	Hydrographic stations R/V OCEANUS cruise 95	10
2.	Calibration data	12
3.	Suspended matter and chlorophyll	13
4.	Shipboard meteorological observations	14
5.	Key to meteorological observations	16

ILLUSTRATIONS

			Page
Figure	1.	Location of hydrographic stations	17
	2.	Location of hydrographic stations near Lydonia Canyon	18
	3.	Lydonia Canyon moored array: November-April 1981	19
	4.	Cross section of Lydonia Canyon moored array	20
	5.	Lydonia Canyon moored array: April-September 1981	21
	6.	Section 1	
	a.	Temperature	23
	b.	Salinity	24
	c.	Sigma-t	25
	d.	Oxygen	26
	e.	Attenuation coefficient	27
	f.	Chlorophyll	28
	7.	Section 2 - Temperature	29
	8.	Section 3 - Temperature	30
	9.	Section 4 - Temperature	31
	10.	Section 5	
	a.	Temperature	32
	b.	Salinity	33
	c.	Sigma-t	34
	d.	Oxygen	35
	11.	Section 6	
	a.	Temperature	36
	b.	Salinity	37
	c.	Sigma-t	38
	d.	Oxygen	39
	12.	Section 7	
	a.	Temperature	40
	b.	Salinity	41
	c.	Sigma-t	42
	d.	Oxygen	43
	13.	Section 8	
	a.	Temperature	44
	b.	Salinity	45
	c.	Sigma-t	46
	d.	Oxygen	47
	14.	Section 9	
	a.	Temperature	48
	b.	Salinity	49
	c.	Sigma-t	50
	d.	Oxygen	51
	15.	Section 10	
	a.	Temperature	52
	b.	Salinity	53
	c.	Sigma-t	54
	d.	Oxygen	55
	16.		
	a.	Temperature at 10 dbar - April	57
	b.	Temperature at 10 dbar - May	58

Page

17.a. Temperature at 50 dbar - April..... 59
b. Temperature at 50 dbar - May..... 60
18.a. Temperature at 100 dbar - April..... 61
b. Temperature at 100 dbar - May..... 62
19.a. Temperature at 200 dbar - April..... 63
b. Temperature at 200 dbar - May..... 64
20. Salinity at 10 dbar..... 65
21. Salinity at 50 dbar..... 66
22. Salinity at 100 dbar..... 67
23. Salinity at 200 dbar..... 68
24. Sigma-t at 10 dbar..... 69
25. Sigma-t at 50 dbar..... 70
26. Sigma-t at 100 dbar..... 71
27. Sigma-t at 200 dbar..... 72
28. Oxygen at 10 dbar..... 73
29. Oxygen at 50 dbar..... 74
30. Oxygen at 100 dbar..... 75
31. Oxygen at 200 dbar..... 76
32. TS diagram for section 1-10..... 78
33. TS diagram for section 5..... 79
34. TS diagram for section 6..... 80
35. TS diagram for section 7..... 81
36. TS diagram for station 28, and section 8..... 82
37. TS diagram for section 8..... 83
38. Station 1, CTD averaged data plot, 0-250 dbar..... 85
39. Station 2, CTD averaged data plot, 0-250 dbar..... 86
40. Station 3, CTD averaged data plot, 0-250 dbar..... 87
41. Station 4, XBT data plot, 0-500 m..... 88
42. Station 5, CTD averaged data plot, 0-250 dbar..... 89
43. Station 6, CTD averaged data plot, 0-1000 dbar..... 90
44. Station 7, CTD averaged data plot, 0-1000 dbar..... 91
45. Station 8, XBT data plot, 0-500 m..... 92
46. Station 9, XBT data plot, 0-500 m..... 93
47. Station 10, XBT data plot, 0-500 m..... 94
48. Station 11, XBT data plot, 0-500 m..... 95
49. Station 12, XBT data plot, 0-500 m..... 96
50. Station 14, XBT data plot, 0-500 m..... 97
51. Station 16, XBT data plot, 0-500 m..... 98
52. Station 17, XBT data plot, 0-500 m..... 99
53. Station 20, XBT data plot, 0-500 m..... 100
54. Station 21, XBT data plot, 0-500 m..... 101
55. Station 22, XBT data plot, 0-500 m..... 102
56. Station 23, XBT data plot, 0-500 m..... 103
57. Station 24, XBT data plot, 0-500 m..... 104
58. Station 25, XBT data plot, 0-500 m..... 105
59. Station 26, XBT data plot, 0-500 m..... 106
60. Station 27, XBT data plot, 0-500 m..... 107
61. Station 28, CTD averaged data plot, 0-250 dbar..... 108
62. Station 29, XBT data plot, 0-500 m..... 109
63. Station 30, XBT data plot, 0-500 m..... 110
64. Station 31, XBT data plot, 0-500 m..... 111

Page

65. Station 32, XBT data plot, 0-500 m..... 112
66. Station 33, XBT data plot, 0-500 m..... 113
67. Station 34, XBT data plot, 0-500 m..... 114
68. Station 35, XBT data plot, 0-500 m..... 115
69. Station 36, XBT data plot, 0-500 m..... 116
70. Station 37, XBT data plot, 0-500 m..... 117
71. Station 39, CTD averaged data plot, 0-500 dbar..... 118
72. Station 40, CTD averaged data plot, 0-500 dbar..... 119
73. Station 41, CTD averaged data plot, 0-250 dbar..... 120
74. Station 42, CTD averaged data plot, 0-250 dbar..... 121
75. Station 43, XBT data plot, 0-500 m..... 122
76. Station 44, CTD average data plot 0-250 dbar..... 123
77. Station 45, CTD average data plot 0-250 dbar..... 124
78. Station 46, XBT data plot, 0-500 m..... 125
79. Station 47, CTD averaged data plot, 0-250 dbar..... 126
80. Station 48, XBT data plot, 0-500 dbar..... 127
81. Station 49, CTD averaged data plot, 0-500 dbar..... 128
82. Station 51, CTD averaged data plot, 0-1000 dbar..... 129
83. Station 52, XBT data plot, 0-500 m..... 130
84. Station 53, CTD averaged data plot 0-2000 dbar..... 131
85. Station 54, CTD averaged data plot 0-250 dbar..... 132
86. Station 55, XBT data plot, 0-500 m..... 133
87. Station 56, CTD averaged data plot, 0-250 dbar..... 134
88. Station 57, XBT data plot, 0-500 m..... 135
89. Station 58, CTD averaged data plot, 0-250 dbar..... 136
90. Station 59, XBT data plot, 0-500 m..... 137
91. Station 60, CTD averaged data plot, 0-1000 dbar..... 138
92. Station 61, XBT data plot, 0-500 m..... 139
93. Station 62, CTD averaged data plot, 0-2000 dbar..... 140
94. Station 63, CTD averaged data plot, 0-2000 dbar..... 141
95. Station 65, CTD averaged data plot, 0-2000 dbar..... 142
96. Station 66, XBT data plot, 0-500 m..... 143
97. Station 67, XBT data plot, 0-500 m..... 144
98. Station 68, CTD averaged data plot, 0-250 dbar..... 145
99. Station 69, CTD averaged data plot, 0-500 dbar..... 146
100. Station 70, CTD averaged data plot, 0-1000 dbar..... 147
101. Station 71, CTD averaged data plot, 0-250 dbar..... 148
102. Station 72, XBT data plot, 0-500 m..... 149
103. Station 73, XBT data plot, 0-500 m..... 150

APPENDIX I. DATA LISTINGS

	Page		Page		Page
Station	1.....152	Station	27.....172	Station	51.....189
	2.....152		28.....173		52.....192
	3.....153		29.....174		53.....193
	4.....155		30.....174		54.....196
	5.....155		31.....174		55.....197
	6.....156		32.....174		56.....197
	7.....159		33.....175		57.....198
	8.....162		34.....175		58.....199
	9.....163		35.....176		59.....200
	10.....163		36.....177		60.....200
	11.....164		37.....178		61.....203
	12.....164		39.....179		62.....203
	14.....165		40.....181		63.....206
	16.....166		41.....182		65.....210
	17.....168		42.....183		66.....213
	20.....169		43.....183		67.....214
	21.....169		44.....184		68.....214
	22.....170		45.....184		69.....216
	23.....171		46.....185		70.....218
	24.....172		47.....186		71.....221
	25.....172		48.....187		72.....222
	26.....172		49.....187		73.....222

HYDROGRAPHY OF LYDONIA CANYON:

DATA REPORT FOR R/V OCEANUS CRUISE 95, April-May 1981

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

INTRODUCTION

This report presents hydrographic data obtained on R/V OCEANUS cruise 95, conducted between April 24-May 5, 1981. Hydrographic measurements (temperature, salinity, oxygen, and light transmission), chlorophyll measurements and suspended matter measurements were obtained around Lydonia Canyon (lat 40°30' N., long 67°30' W.) and the adjacent continental shelf (fig. 1).

During the R/V OCEANUS Cruise 95, a total of 73 hydrographic profiles were obtained, 28 by means of a conductivity-temperature-depth (CTD) profiler and 45 by means of expendable bathythermographs (XBT's). Stations are numbered sequentially, and station information is tabulated in table 1. The stations (about 3 km apart) were arranged into six different sections; four sections were occupied twice (fig. 2). Sections 1 and 5 followed the canyon axis. Sections 2 and 6 were 5-10 km east and sections 4 and 7 were 5-10 km west of the canyon axis across the adjacent shelf and slope. Sections 8, 9, and 10 were perpendicular to the canyon axis. Section 3 (fig. 1) started in 64 m of water, crossed the shelf, and ended near the head of Lydonia Canyon in 130 m of water.

OBJECTIVES

This survey was designed to provide hydrographic sections in and around Lydonia Canyon during the middle of Spring. The sections were designed to aid in the interpretation of currents, temperature, pressure, and light transmission measured by a large moored instrument array (figs. 3-5) located at the head of Lydonia Canyon, on the adjacent canyon walls, on the adjacent slope, and in the canyon itself (Butman and others, 1983; Butman and Conley, 1984).

STATION PROCEDURES

At each XBT station, a water sample for surface salinity 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 (with 10-liter Niskin bottles attached to a General Oceanics Rosette) was lowered and held at the surface while CTD surface readings, latitude, longitude, and water depth were recorded in a log. The CTD was then lowered at approximately 30 m/min and stopped approximately 2-5 m above bottom. After the deepest readings were recorded, one Niskin bottle was closed electronically. The CTD was then raised at approximately 50 m/min and stopped at 3 to 4 different depths; CTD readings were recorded in the deck log at each stop and another Niskin bottle was closed electronically. The Niskin bottles were removed and one water sample was collected for analysis of salinity and 1 to 3 samples for measurement of oxygen (table 2). Approximately 2 liters of sea water were filtered through paired 0.45-µm Millipore filters for determination of suspended matter concentration. Water samples (~500 mL) for chlorophyll determination were filtered through glass-fiber filters using a vacuum pressure of 10 inches of mercury. Within 24 hours of collection the chlorophyll was dissolved by grinding with 90 percent acetone and the fluorescence of the resulting solution was compared to a chlorophyll a standard using a Turner 110 fluorometer. The results of chlorophyll and suspended-sediment analysis are listed in table 3. Bottle samples were not obtained at all depths because of some bottle malfunctions and the bottles and transmissometer were removed from the CTD in the latter part of the cruise when rough weather made the rosette too difficult to handle. Dissolved oxygen was measured at three stations (table 2); suspended matter and chlorophyll were measured at six stations (table 3). Meterological observations obtained during stations 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 # 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 that has 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 XBTs (Sippican Ocean Systems, models T-4, T-5, T-6, T-7, and T-10), were used to measure vertical temperature profiles. Systematic differences in XBT (models T-4 and T-7) and CTD profiles have been reported by Heinmiller and others (1983) from field data. They found mean temperature difference (XBT-CTD) of 0.19°C and 0.13°C for the T-4 and T-7 compared to the generally accepted accuracy of ~0.1°C (Georgi and

others, 1980). They also found that the mean T-7 depth error was within the generally accepted depth accuracy of ±2% of the recorded depth (Stegen and others, 1975) but the T-4 XBT's exceeded this below ~200 m. The XBT data in this report were not corrected for these possible systematic errors.

The salinity of water samples collected during the CTD cast was measured by a salinometer (Guildline Autosal 8400) and the oxygen was measured by the Winkler chemical titrations method (Strickland and Parsons, 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 by means of a Gifft echo sounder.

INSTRUMENT CALIBRATION

Temperature time-lag

The platinum resistance thermometer time constant (Tlag = 0.125 s) was selected to minimize density inversions in regions of strong thermal gradients. Since the temperature sensor had a slower response than 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 pre-cruise laboratory calibration of the CTD temperature was done on March 31, 1981 at Neil Brown Instrument Systems, Inc. (NBIS) and the temperature offset (calibration bath - CTD) ranged between +0.0008°C at 0° and -0.0026°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, see 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 lost. A pre-cruise lab calibration of conductivity had been done on April 1, 1981 at Neil Brown Instrument Systems, Inc. (NBIS) and the offset (calibration bath - CTD) ranged between -0.003 mmhos and -0.007 mmho which corresponds to salinity values of -0.003 psu and -0.005 psu.

Oxygen

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

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

where:

OX	=	CTD dissolved oxygen value in mL/L
t	=	CTD water temperature in ^{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 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 three 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 three surface saturation values were included with the three deep-water oxygen values to give six 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 (WHOI). The final values of OXB = 0.17 and WT = 0.65 were fixed based on previous analysis of oxygen from OCEANUS 140 cruise (Butman and others, 1985).

The oxygen diffusion time-lag constant τ (see Owens and Millard, 1984) is important only in regions of sharp changes in oxygen. These regions were usually small and not located near the deep-water samples, so that the parameter was initially ignored in the regression and determined later by trial and error.

The parameter OCS was determined by a nonlinear regression fit (SAS Institute, Inc., 1982) to the six calibration points, giving a value ($\pm$ standard error) of OCS = 2.38$\pm$0.13.

The remaining parameter τ was determined by creating plots of down and upcast with different values of τ. The final value of τ = 6.00 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 three samples. The mean

residual (measured - computed) is 0.003 mL/L with a range of 0.04 to 0.29 mL/L. The estimated error in oxygen due to the uncertainity in the sample depth was less than 0.05 mL/L for stations 2 and 7 but was 0.29 mL/L for station 5, which had a large oxygen gradient near the bottom (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 44) was calibated in the laboratory before and after the cruise and gave a value of TR_{cw} equal to 4.49 volts. Light transmission measurements were obtained at stations 1, 2, 3, 6, 7 and 28.

SUMMARY

Based on calibrations, the CTD temperature, salinity, oxygen data are accurate to ±0.01°C, 0.01 psu, and ±0.3 mL/L, respectively. The changes in 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 on both 9-track magnetic tape (see Appendix III, for format) 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 transferred to disc storage. The data obtained on both upcast and downcast were subsampled (usually every 100 to 200 points) and listed and plotted to check instrument performance. Wild points were identified and replaced with the previous good value using range filters for each variable. The ranges were typically 1 variable unit except for transmission, which was 0.05-0.10 volts. The conductivity and pressure data were time lagged to correct for the time constant of the temperature sensor (see above), and then filtered to obtain a monotonically increasing series in pressure. Density gradients greater than 0.1 sigma-t unit/m were deleted by the processing program. The data were averaged over 2-dbar pressure interval; at about 10 dbar above the bottom, this was changed to a 1-dbar average. Density inversions in the average data which exceeded 0.005 sigma-t units/m were identified by a point editing program and replaced by the density obtained by interpolating between realistic adjacent values of density. The editor recomputed the salinity from the interpolated values of density and the original temperature. These average data were used to contour the hydrographic sections presented in this report. The data were submitted to the National Oceanographic Data Center (NODC).

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 6-15. The sections are numbered as OC095-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 with the station type (C = CTD or X = XBT) and surface value of the contoured variable printed below. The vertical scale (1 cm = 40 m) is the same for all sections. The horizontal scale (1 cm = 1 km) for the sections 9 and 10 across the canyon is not the same as the horizontal scale (1 cm = 6.5 km) for the sections parallel to the canyon axis (sections 3, 4, and 5).

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 of 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 between successive stations along the trackline and dividing by 2N-2. The position of the equally spaced interior, vertical grid lines does not always correspond to a station location. Horizontal grid lines were spaced every 10 m.

Data values at each regularly spaced grid point were computed as a weighted average of the irregularly spaced data within a region one 10-m cell vertically and usually five cells horizontally (2 on either side) from the grid point. The data were weighted by D^{-3} where D is the distance (in grid units) between the location of the data values and the grid point. This smoothing removes some of the fine structure from the sections and may spread some of the frontal features.

The contouring algorithm has no provisions for terminating contours at the sea floor and requires data in a rectangle. For the sections in this data report, the left and right boundaries are the left and right vertical grid lines, the top boundary was the sea surface, and the bottom boundary was the deepest cast in the section. To speed contouring and to obtain reasonable contours at the sea floor, data were provided below the measurement depth by repeating the data measured at the greatest depth to a distance H into the bottom below the last measured value. Data below the distance H were taken from values observed at an adjacent deeper station, shifted upward or downward

by a constant so that the values matched at the starting depth. In some cases the values from an adjacent station were inserted below the depth H without adjusting by a constant. The constant distance H ranged from 0 to 100 m and was adjusted for each station to make the contours meet the sea floor in as reasonable a way as possible. The shape and slope of the contours near the sea floor should be interpreted with care. Contours below the sea floor were deleted in the sections presented here.

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

The sections showing nutrients and suspended matter had only 3 to 5 data points per station and were contoured by hand.

Horizontal sections

Horizontal sections of temperature, salinity, sigma-t, and oxygen were contoured for the 10-, 50-, 100-, and 200-dbar pressure surfaces (figs. 16-31) Temperature was contoured twice: once for stations occupied between April 24-27 and a second time for stations occupied between May 3 and May 5. Because of the sparse data, all horizontal sections were contoured by hand.

TS diagrams

Plots of temperature versus salinity (TS plots in figs. 32-37) 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 Brunt-Vaisala frequency

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

where ρ = water density and g is gravity, as a function of pressure at each station are shown in figures 38-103. 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 (±2-dbar) centered about the specified depth. The Brunt-Vaisala frequency was not computed for the first and 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 depth, respectively. The different symbols used to distinguish variables are shown on each variable axis. XBT profiles have been limited to 500 m. The units of salt are practical salinity units (psu) and are defined by Lewis (1980). The XBT data for stations 13, 15, 18, 19, 38, 50 and 64 malfunctioned and there are no plots for these seven stations.

Data listing

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

ACKNOWLEDGEMENTS

This work was supported in part by Interagency Agreement IA 14-12-0001-30180 and AA851-IA2-17 between the U.S. Geological Survey and the U.S. Minerals Management Service. We thank the officers and crew of R/V OCEANUS for their help at sea collecting the data and Bob Millard (WHOI) for advice in the data processing. Maxine Jones (WHOI) wrote the CTD processing programs. M. Bothner, C. Parmenter, and R. Rendigs processed the suspended sediment, oxygen, and chlorophyll samples. M. Shoukimas, F. Musialowski, M. Noble, J. Larson, D. Brewster, G. Miller, A. Eliason (Eliason Data Service), and R. Petrecca (WHOI) assisted in all phases of the hydrographic work. V. Lyne and P. Valentine made very helpful suggestions in reviewing this data report.

REFERENCES

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

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

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

Butman, B., Noble, M. A., Moody, J. A., and Bothner, M. H., 1983, Environmental geological studies on the United States Mid and North Atlantic Outer Continental Shelf area, 1980-1982, in McGregor, B. A. (ed.), Final report to the U.S. Bureau of Land Management: unpublished administrative report, vol. III, chapter 8.

Butman, B. and Conley, S. J., 1984, Lydonia Canyon Experiment: Data report for moored array deployment I, October 1980 - April 1981, U.S. Geological Survey Open-File Report 84-201, 223 p.

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

Butman, B., Moody, J. A., and Conley, S. J., 1985, Hydrography of the New England Shelf and Slope: Data report R/V OCEANUS Cruise 140, October 1983: U.S. Geological Survey Open-File Report 85-505, 199 p.

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

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

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

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

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

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

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

Millero, F. J., Chen, C.-T., Bradshaw, A., and Schleider, K., 1980, A new high-pressure equation of state for seawater: Deep-Sea Research, v. 27A, p. 255-264.

Moody, J. A., Butman, B., and Bothner, M. H., 1986, Estimates of near-bottom suspended matter concentration during storms, submitted to Continental Shelf Research.

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

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

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

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

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

Table 1. Hydrographic stations R/V OCEANUS Cruise 95, April 24-May 5, 1981.

Station	Section	Date	Time	Latitude (N.)	Longitude (W.)	Water Depth (m)	Type
1	1	APR 24	1422	40° 34.20'	67° 45.24'	100	CTD
2	10,2	APR 24	2030	40° 31.67'	67° 36.52'	134	CTD
3	10,1	APR 24	2157	40° 31.75'	67° 43.14'	250	CTD
4	10	APR 24	2330	40° 29.70'	67° 48.60'	120	XBT
5	10	APR 24	2336	40° 29.82'	67° 48.51'	117	CTD
6	1	APR 25	2215	40° 24.79'	67° 40.04'	630	CTD
7	1	APR 26	0015	40° 20.93'	67° 40.54'	965	CTD
8	2	APR 27	0133	40° 32.84'	67° 37.05'	123	XBT
9	2	APR 27	0153	40° 29.32'	67° 36.27'	141	XBT
10	2	APR 27	0221	40° 26.04'	67° 34.44'	151	XBT
11	2	APR 27	0245	40° 22.86'	67° 32.94'	260	XBT
12	2	APR 27	0258	40° 21.22'	67° 32.24'	655	XBT
13	2	APR 27	0334	40° 18.03'	67° 31.19'	1080	NG
14	2	APR 27	0426	40° 13.04'	67° 28.91'	1635	XBT
15	2	APR 27	0453	40° 7.90'	67° 27.42'	1750	NG
16	2	APR 27	0457	40° 7.77'	67° 28.44'	1900	XBT
17	1	APR 27	0530	40° 6.81'	67° 35.65'	1885	XBT
18	1	APR 27	0556	40° 11.77'	67° 37.66'	1645	NG
19	1	APR 27	0559	40° 12.52'	67° 37.90'	1770*	NG
20	1	APR 27	0611	40° 14.64'	67° 38.57'	1440	XBT
21	1	APR 27	0625	40° 16.99'	67° 39.28'	1450	XBT
22	1	APR 27	0630	40° 17.84'	67° 39.53'	1250	XBT
23		APR 27	0656	40° 22.08'	67° 39.44'	455	Q
24	3	MAY 1	0613	41° 2.00'	67° 34.81'	64	XBT
25	3	MAY 1	0703	40° 53.67'	67° 38.38'	73	XBT
26	3	MAY 1	0754	40° 44.87'	67° 40.78'	75	XBT
27	3	MAY 1	0907	40° 32.75'	67° 44.44'	130	XBT
28		MAY 3	0005	40° 27.92'	67° 49.80'	135	CTD
29	4	MAY 3	0152	40° 29.61'	67° 48.47'	123	XBT
30	4	MAY 3	0205	40° 27.43'	67° 48.54'	135	XBT
31	4	MAY 3	0219	40° 25.76'	67° 48.66'	155	XBT
32	4	MAY 3	0233	40° 24.01'	67° 48.70'	155	XBT
33	4	MAY 3	0250	40° 21.95'	67° 48.23'	165	XBT
34	4	MAY 3	0313	40° 19.46'	67° 47.50'	280*	XBT
35	4	MAY 3	0326	40° 17.92'	67° 47.15'	380	XBT
36	4	MAY 3	0340	40° 16.27'	67° 46.83'	550	XBT
37	4	MAY 3	0350	40° 15.00'	67° 46.65'	900	XBT
38	4	MAY 3	0404	40° 13.30'	67° 46.44'	1145	NG
39	5	MAY 3	2108	40° 29.29'	67° 42.11'	410	CTD
40	5	MAY 3	2216	40° 31.35'	67° 42.54'	285	CTD

Table 1. Hydrographic stations R/V OCEANUS Cruise 95, April 24-May 5, 1981.

Station	Section	Date	Time	Latitude (N.)	Longitude (W.)	Water Depth (m)	Type
41	5	MAY 3	2330	40° 34.15'	67° 44.21'	100	CTD
42	5	MAY 4	0128	40° 39.69'	67° 45.39'	78	CTD
43		MAY 4	0211	40° 36.93'	67° 41.56'	82	XBT
44	6	MAY 4	0320	40° 35.24'	67° 38.02'	100	CTD
45	6	MAY 4	0443	40° 31.74'	67° 37.09'	135	CTD
46	6	MAY 4	0538	40° 28.65'	67° 36.95'	145	XBT
47	6	MAY 4	0623	40° 25.73'	67° 34.73'	155	CTD
48	6	MAY 4	0708	40° 24.15'	67° 33.79'	180	XBT
49	6	MAY 4	0733	40° 22.39'	67° 32.95'	315	CTD
50	6	MAY 4	0825	40° 21.32'	67° 31.85'	129*	NG
51	6	MAY 4	0835	40° 21.06'	67° 31.85'	625	CTD
52	6	MAY 4	0928	40° 19.96'	67° 31.10'	825*	XBT
53	6	MAY 4	0950	40° 18.05'	67° 30.23'	1200	CTD
54	7	MAY 5	0140	40° 29.73'	67° 48.27'	120	CTD
55	7	MAY 5	0208	40° 27.46'	67° 48.40'	133	Q
56	7	MAY 5	0225	40° 25.78'	67° 48.15'	153	CTD
57	7	MAY 5	0246	40° 24.04'	67° 47.82'	153	XBT
58	7	MAY 5	0305	40° 22.04'	67° 47.83'	165	CTD
59	7	MAY 5	0334	40° 19.61'	67° 47.16'	257	XBT
60	7	MAY 5	0403	40° 16.31'	67° 47.04'	535	CTD
61	7	MAY 5	0445	40° 14.81'	67° 46.60'	850	XBT
62	7	MAY 5	0504	40° 13.40'	67° 46.71'	1120	CTD
63	5	MAY 5	0654	40° 13.93'	67° 37.54'	1780	CTD
64	5	MAY 5	0831	40° 16.44'	67° 38.58'	1540*	NG
65	5	MAY 5	0851	40° 17.70'	67° 39.63'	1030	CTD
66	5	MAY 5	1235	40° 25.10'	67° 40.02'	600	XBT
67	8	MAY 5	1258	40° 22.68'	67° 38.27'	275	XBT
68	8	MAY 5	1311	40° 22.74'	67° 36.56'	220	CTD
69	8	MAY 5	1355	40° 21.94'	67° 38.93'	475	CTD
70	5,8	MAY 5	1426	40° 21.22'	67° 41.27'	695	CTD
71	8	MAY 5	1507	40° 22.25'	67° 42.93'	190	CTD
72	8	MAY 5	1524	40° 23.09'	67° 43.98'	140	XBT
73	8	MAY 5	1530	40° 24.01'	67° 44.88'	150	XBT

Time is Eastern Standard Time
Latitude and longitude computed using Northstar-6000 5101
NG = XBT malfunction
Q = questionable XBT data
* = depth estimated from USGS miscellaneous field studies map MF-1710

Table 2. - Calibration data for R/V OCEANUS Cruise 95, April 24-May 5, 1981..

Station	Sample depth[a] (dbar)	Oxygen (ml/l) Bottle[b]	CTD[b]	Residual	$\pm\Delta O_2$ [c]
2	128	4.54±0.06	4.76	-0.22	0.04
5	111	5.92±0.01	6.07	-0.15	0.29
7	928	6.22±0.06	5.84	0.38	0.05
Mean				0.00	
Standard Deviation				±0.33	

a. Accuracy of sample depth is approximately ±2 dbar.

b. All three replicates were used at station 2 but only 2 of 3 replicates were used at stations 5 and 7. Standard deviations are shown after the average value.

c. Change in oxygen (ΔO_2) between 2 dbar above and below the sampling depth.

Table 3. Suspended matter concentration and chlorophyll concentration for water samples obtained on R/V OCEANUS Cruise 95.

Station	Water depth (m)	Sample depth (dbar)	Total suspended matter (µg/L)	Light attenuation matter (m^{-1})	chlorophyll µg-at/L
1	100	0	310	0.29	0.35
			28	270	0.230.23
			57	320	0.200.27
			95	290	0.170.13
2	134		0	340	0.30 --
			30	420	0.250.32
			62	-	0.190.27
			108	-	0.160.08
			128	330	0.160.06
3	250		59	310	0.200.33
			101	320	0.170.10
			214	440	0.240.05
			237	-	0.580.10
5	117		0	270	-0.30
			59	300	-0.17
			87	330	- -
			111	-	-0.13
6	630		59	290	0.180.50
			178	1310	0.190.33
			218	160?	0.120.24
			393	-	0.130.11
			606	1430	0.140.22
7	965		96	130	0.160.17
			198	-	0.120.05
			399	-	0.110.08
			747	170	0.130.05
			928	120	0.130.03

Table 4. - Meteorological observations for R/V OCEANUS Cruise 95 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
		Dir	Force	Dir	Swell	Height	Pressure (mb)	Temp (°c)	
April 23	1600	SE	1	--	1	1	1007	7.2	o,d
	2000	S	3	--	1	1	1005	8.9	o
	2400	S	2	--	-	2	1001	10.0	f
April 24	0400	SE	3	SE	1	2	997	8.9	p,z,o
	0800	S	4-5	SW	1	3-4	997	10.6	op
	1200	SW	3-4	SW	1	3	995	8.3	op
	1600	VAR	1	SW	1	1	995	10.0	f
	2000	SSW	4	SW	1	2	995	9.4	o,p
	2400	WxS	2	--	--	--	992	7.2	f
April 25	0400	NW	--	VAR	1	0	994	7.8	f
	0800	N	2	VAR	1	1	995	7.2	of
	1200	NW	3	--	--	2	998	5.6	o
	1600	NW	3-4	NW	1	1	1001	5.6	op
	2000	NNW	4-5	NNW	1	3	1006	5.6	o
	2400	NNW	3-4	NW	1	3	--	5.6	o
April 26*	0300	--	1-2	N	--	1	1010	5.6	bc
	0700	WxS	2-3	SW	2	2	1013	6.7	b
	1100	WSW	3	SW	1	2	1014	8.9	b
	1500	W	4	W	1	2	1013	8.9	b
	1900	WxS	3	W	1	2	1016	6.7	b
	2300	W	2	W	1	2	1017	6.7	b
April 27	0300	W	3	W	1	2	1016	7.8	b
	0700	WSW	3-4	W	1	3	1016	6.7	o
	1100	WSW	3	W	--	3	1016	7.8	bc
	1500	W	3	W	1	2	1015	8.9	b
	1900	WxS	2-3	W	1	2	1017	8.9	bc
	2300	W	2	W	1	2	1018	7.2	bc
April 28	0300	calm		calm		0	1018	8.9	b
	0700	WSW	4	WSW	1	2	1019	8.9	bc
	1100	SW	3-4	SW	1	2	1018	11.2	c
	1500	SW	3-4	SW	1	2	1019	7.8	o
	1900	SW	2-3	Var	1	2	1019	--	o,
	2300	--	--	--	--	2	1019	--	o,z
April 29	0300	S	4	--	1	1	1016	8.9	bc
	0700	SSE	2-3	--	--	2	1018	9.5	o,r
	1000	S	4	S	1	3	1014	--	o,z
	1500	S	6	S	2	3	1011	13.6	o,z
	1900	SxW	6	S	3	4	1010	14.8	o,f
	2300	SSW	5	S	3	3	1008	9.4	bc,z

* ship's clock changed to Eastern Daylight Time.

Table 4. - Meteorological observations for R/V OCEANUS Cruise 95 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
		Dir	Force	Dir	Swell	Height	Pressure (mb)	Temp (°c)	
April 30	0300	S	4-5	S	1	2-3	1006	5.6	f,o,p
	0700	WSW	4	S	3	3	1009	6.7	o,z
	1100	WSW	3-4	S	3	3	1013	7.8	bc,z
	1500	SW	3	S	2-3	3	1013	10.0	f,z
	1900	NE	2	var	1	2	1014	8.9	o,z
	2300	NNE	4	--	--	3	1012	8.9	o,p
May 1	0300	calm		var	1	1	1012	8.9	c
	0700	NE	3	SW	1	1	1013	8.3	o
	1100	NE	3-4	SW	1	2	1011	9.4	o,z
	1500	NE	3-4	NE	1	2	1008	7.2	o,p,d
	1900	ENE	4-5	NE	1	3	1005	6.7	o,p
	2300	N	2-3	--	--	3	1005	6.7	o,p
May 2	0300	N	2-3	--	--	1	1004	6.7	f
	0700	N	2-3	var	1	1	1008	7.2	o,z
	1100	N	2	--	--	2	1010	12.2	o,f
	1500	ENE	3	var	1	1	1010	8.9	of
	1900	NE	4	NE	2	2	1010	6.1	of
	2300	NExE	4	NE	1	3	1010	6.7	o
May 3	0300	NE	6	N	2-3	3	1008	7.8	o,d
	0700	NNE	7	NNE	3	4	1008	7.8	o
	1100	NE	7	NNE	3	4	1010	7.2	od
	1500	NE	7	NNE	4	4-5	1010	7.2	of
	1900	NNE	7	NNE	4	5	1011	7.2	of
	2300	NxE	7	NNE	3	5	1011	5.6	o,p
May 4	0300	NE	7-8	NE	3	5	1005	7.2	o,z,p
	0700	NNE	4	NNE	4	5	1007	8.9	of
	1100	NE	3	NNE	1	3	1012	-	of
	1500	NE	3-4	NNE	1	3	1014	7.8	of
	1900	NNE	3	NNE	2	3	1016	6.7	f
	2300	E	2	NNE	2	3	1017	7.8	bf
May 5	0300	ENE	3	NE	1	2	1017	8.9	of
	0700	NE	2-3	SE	4	2	1017	8.9	of
	1100	NNE	2-3	E	2	2	1017	12.8	f
	1500	NNE	2-3	E	2	2	1014	8.3	f
	1900	NNE	3	E	2	2	1015	6.7	of
	2300	--	--	E	1	2	--	-	of
May 6	0300	NE	3	--	--	1-2	1012	8.9	of
	0700	N	3	SE	1	2	1012	8.9	o

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			

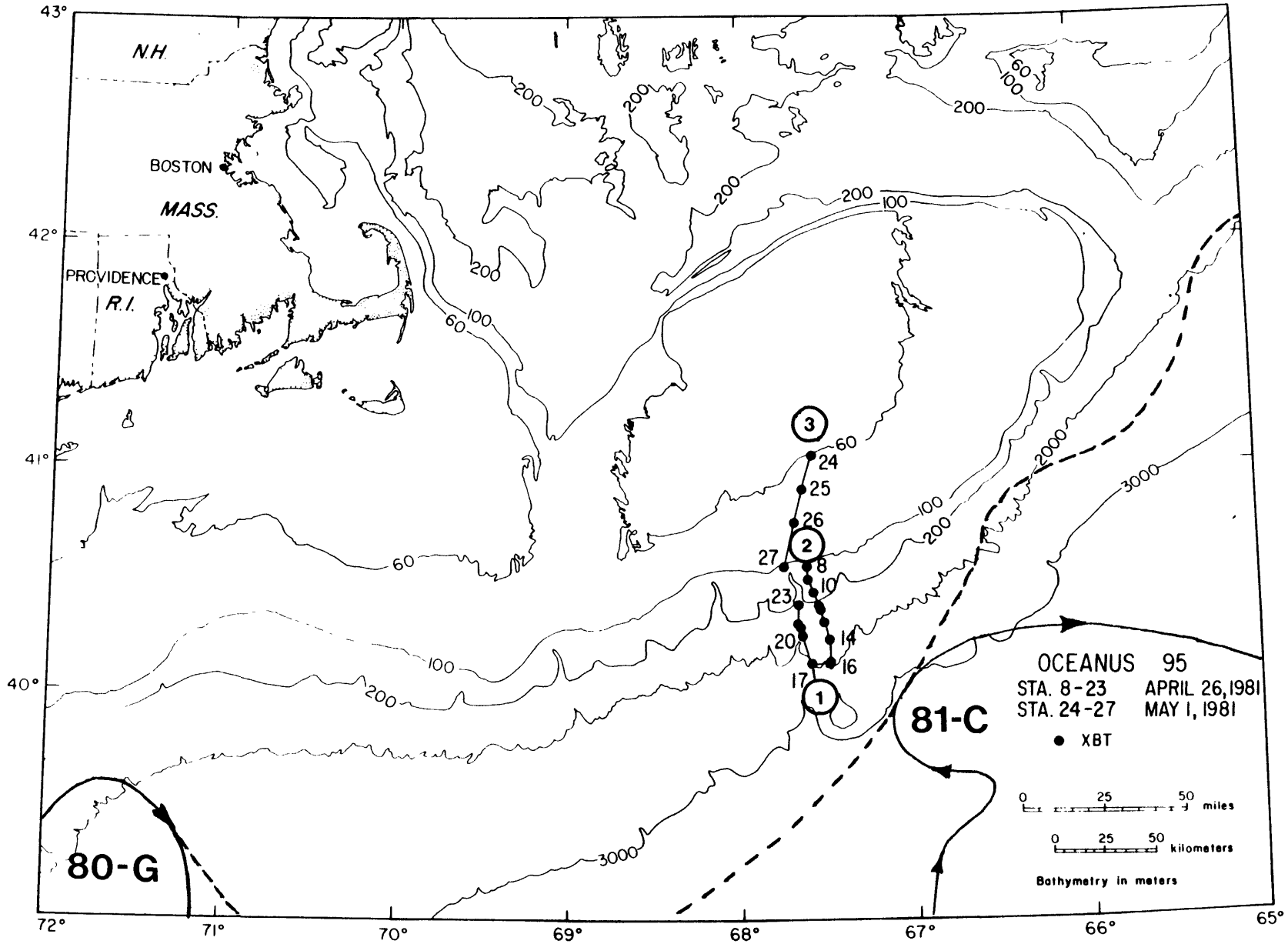


Figure 1. Location of stations near Lydonia Canyon occupied on R/V OCEANUS cruise 95, April 24-May 5, 1981. The circled numbers identify the sections shown in figures 6-15. The positions of two warm core eddies (solid line with arrows) and the shelf/slope front (dashed line) are based on the Oceanographic Analysis chart for May 5, 1981 as modified by the Atlantic Environmental Group, National Marine Fisheris Service, Narragansett, R. I.

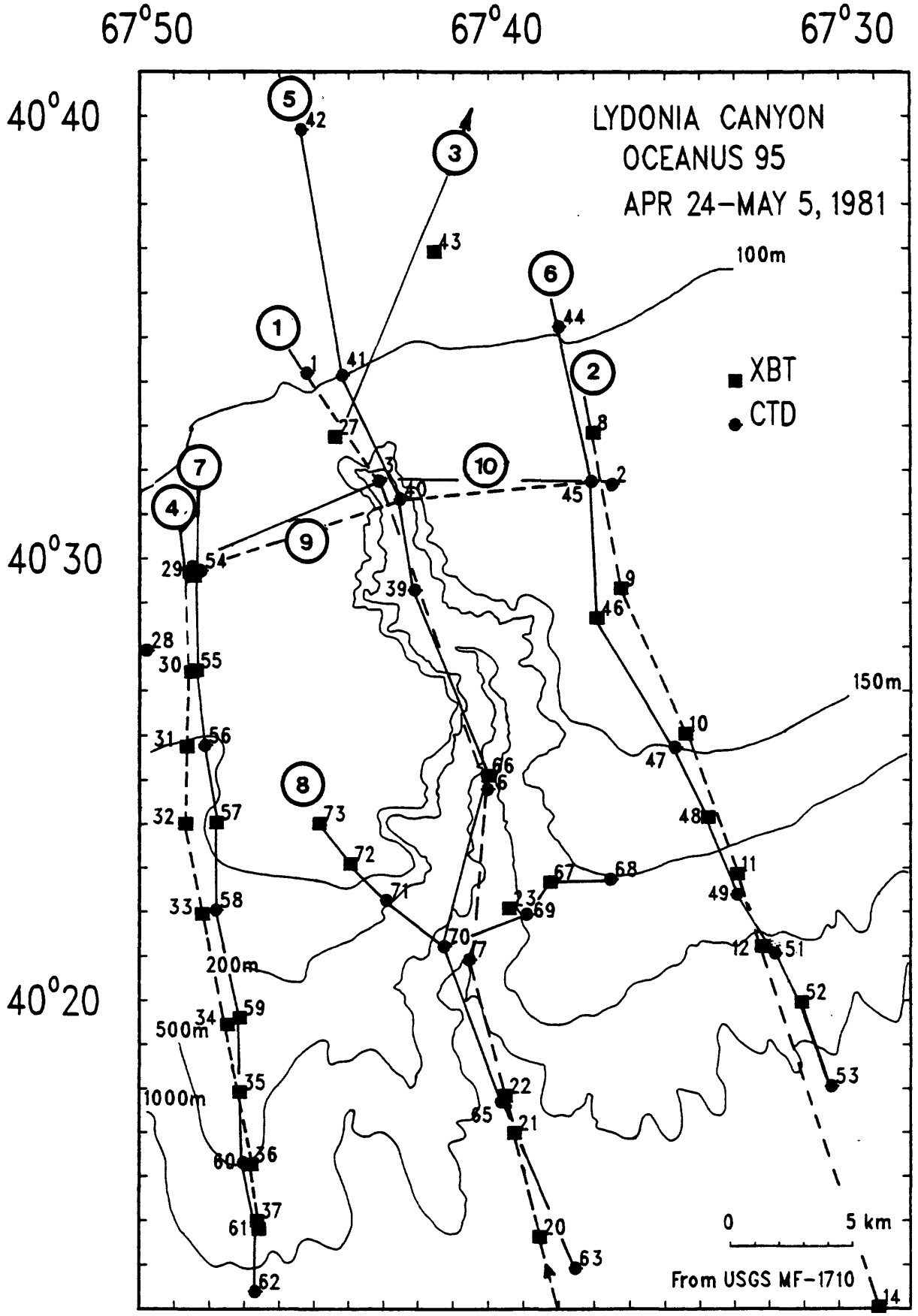


Figure 2. Location of stations occupied on R/V OCEANUS Cruise 95, April 24--May 5, 1981. The circled numbers identify the sections shown in Figures 6-15.

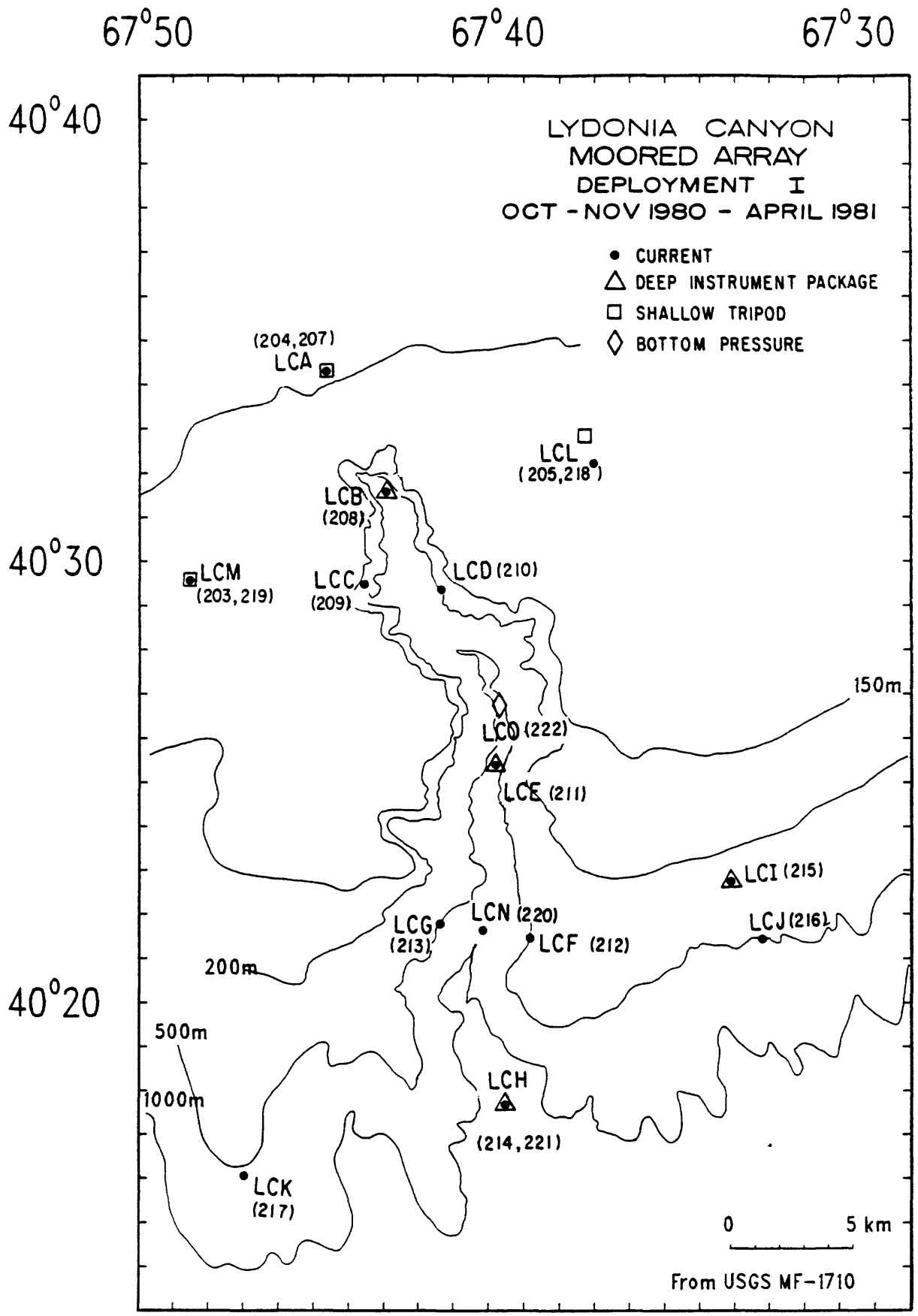


Figure 3. Lydonia Canyon moored array, deployment I. Stations are indicated by letters. The three-digit number in parenthesis following the station letters is the mooring number.

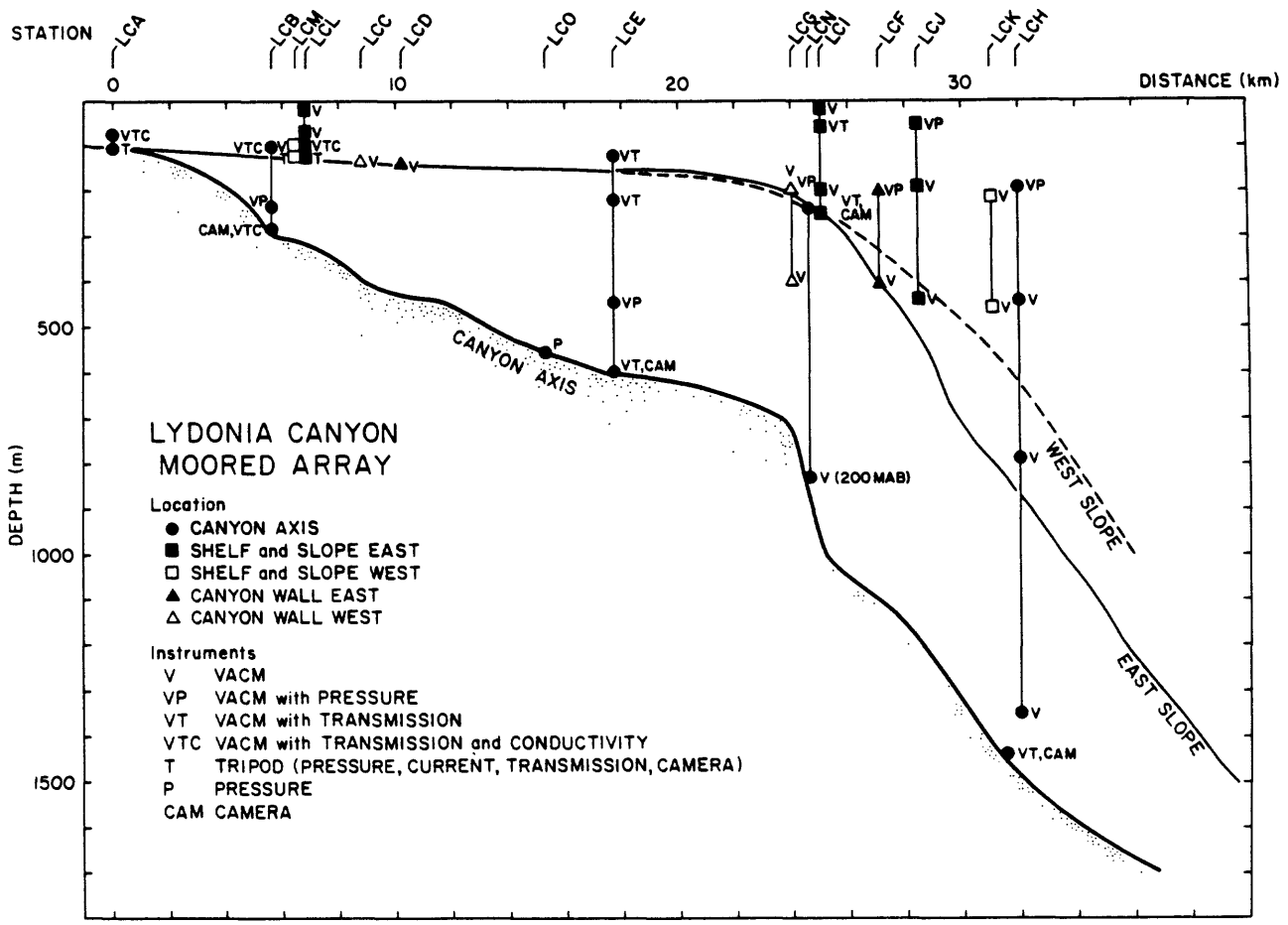


Figure 4. Cross sections of Lydonia Canyon and adjacent shelf and slope showing approximate positions of instruments in the moored array.

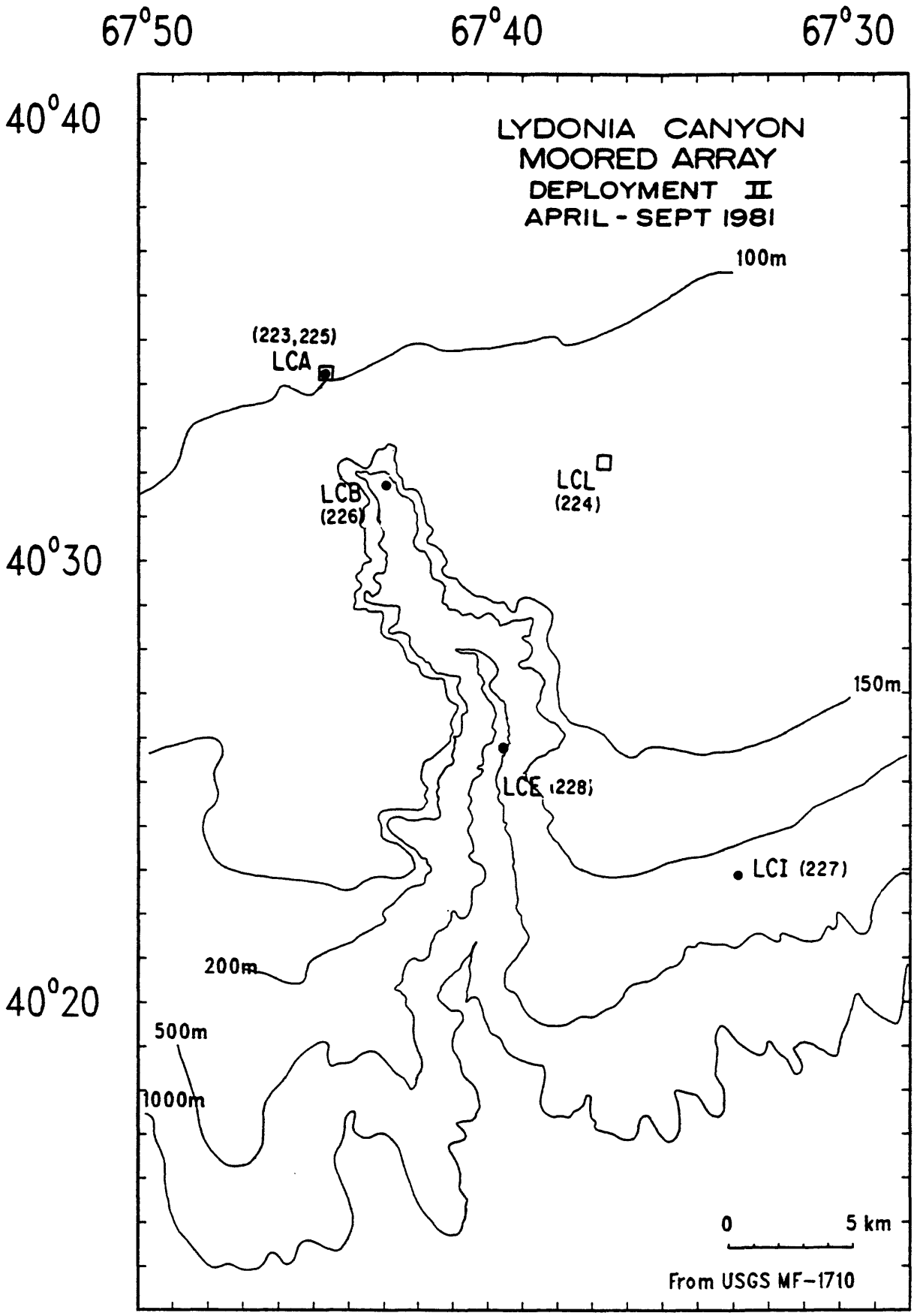
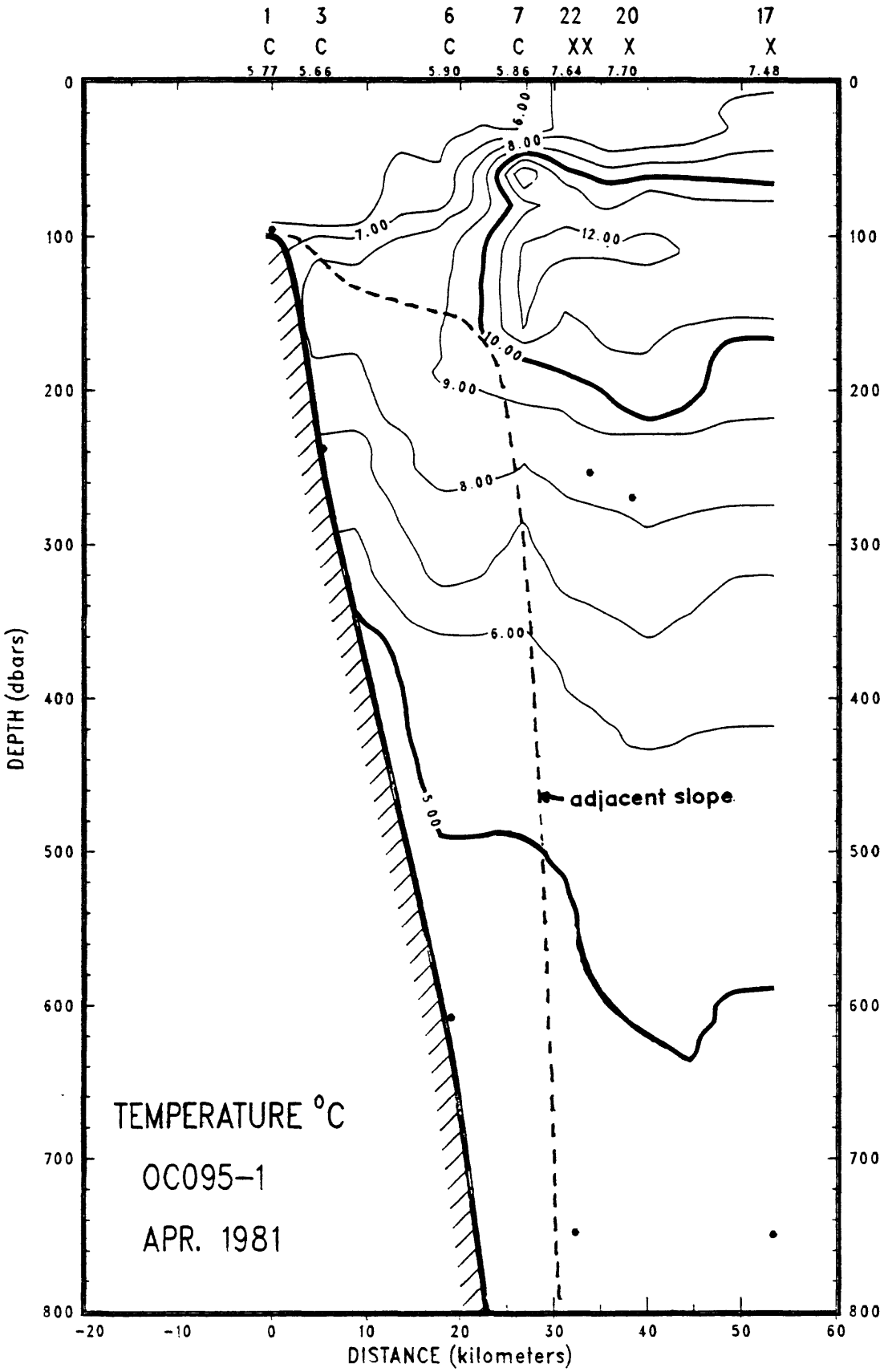
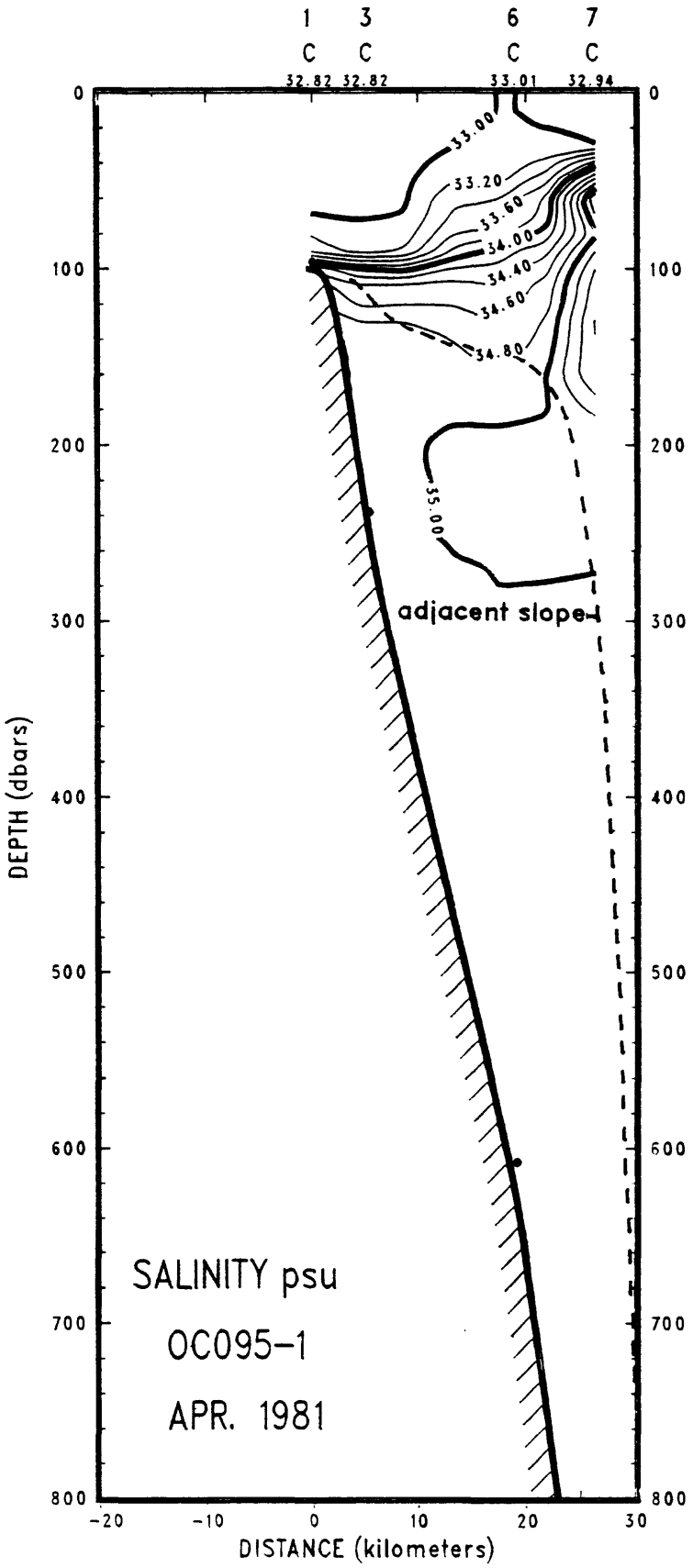


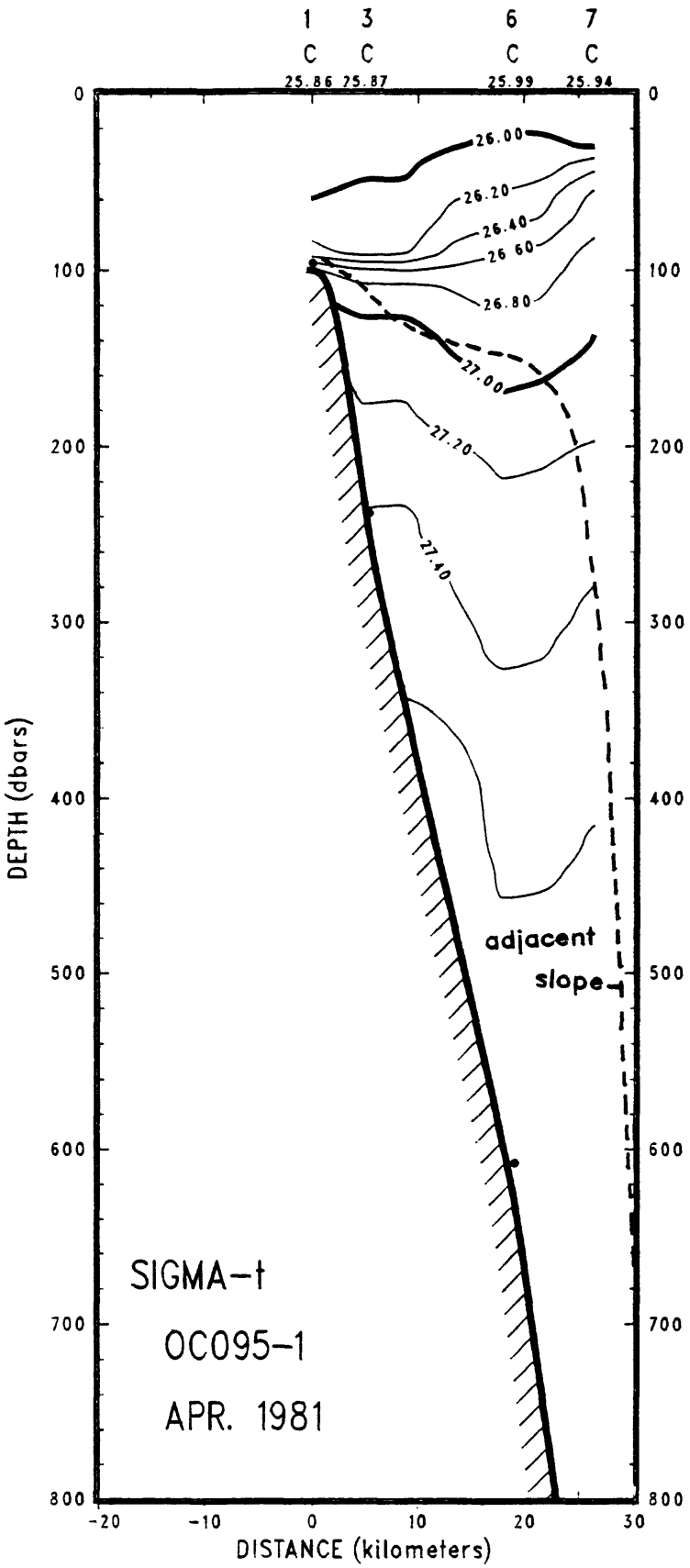
Figure 5. Lydonia Canyon moored array deployment II. See figure 3 caption and legend for explanation.

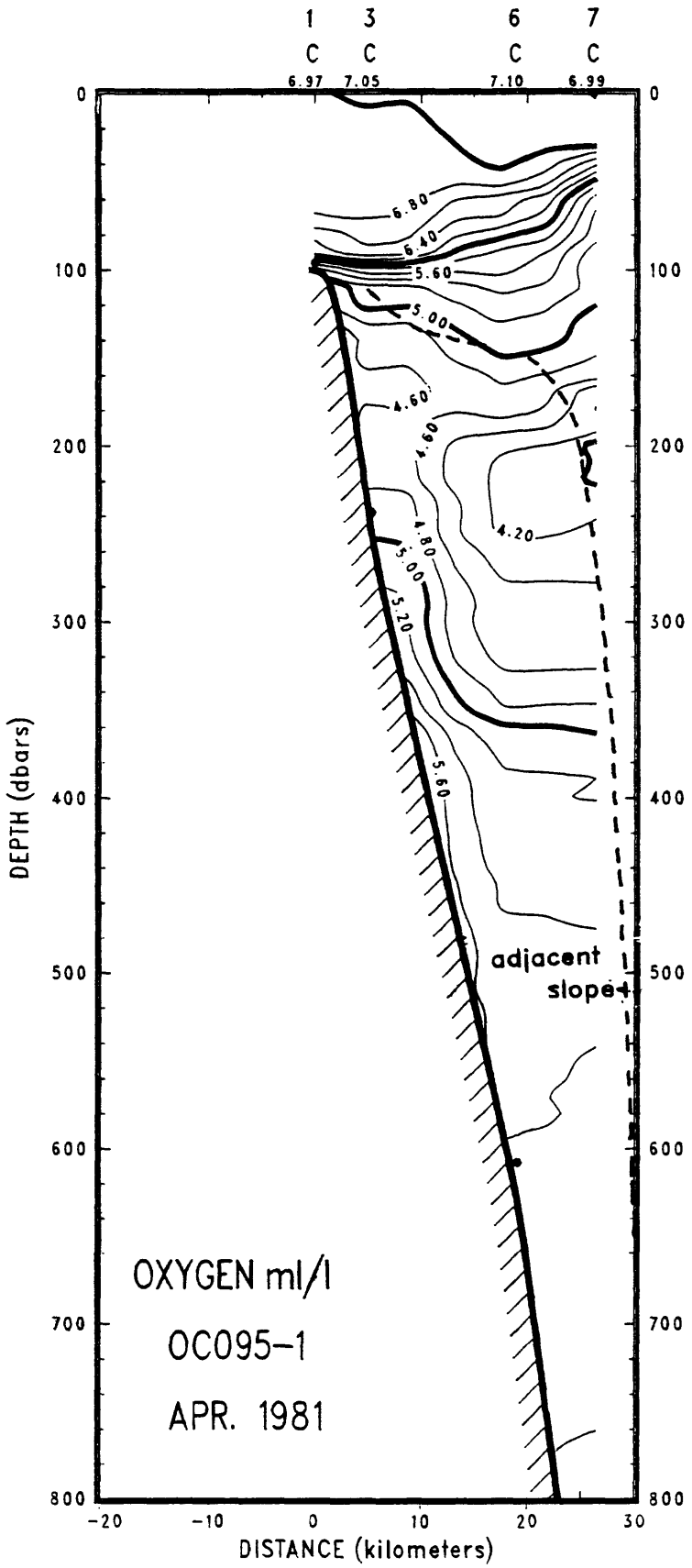
Vertical sections

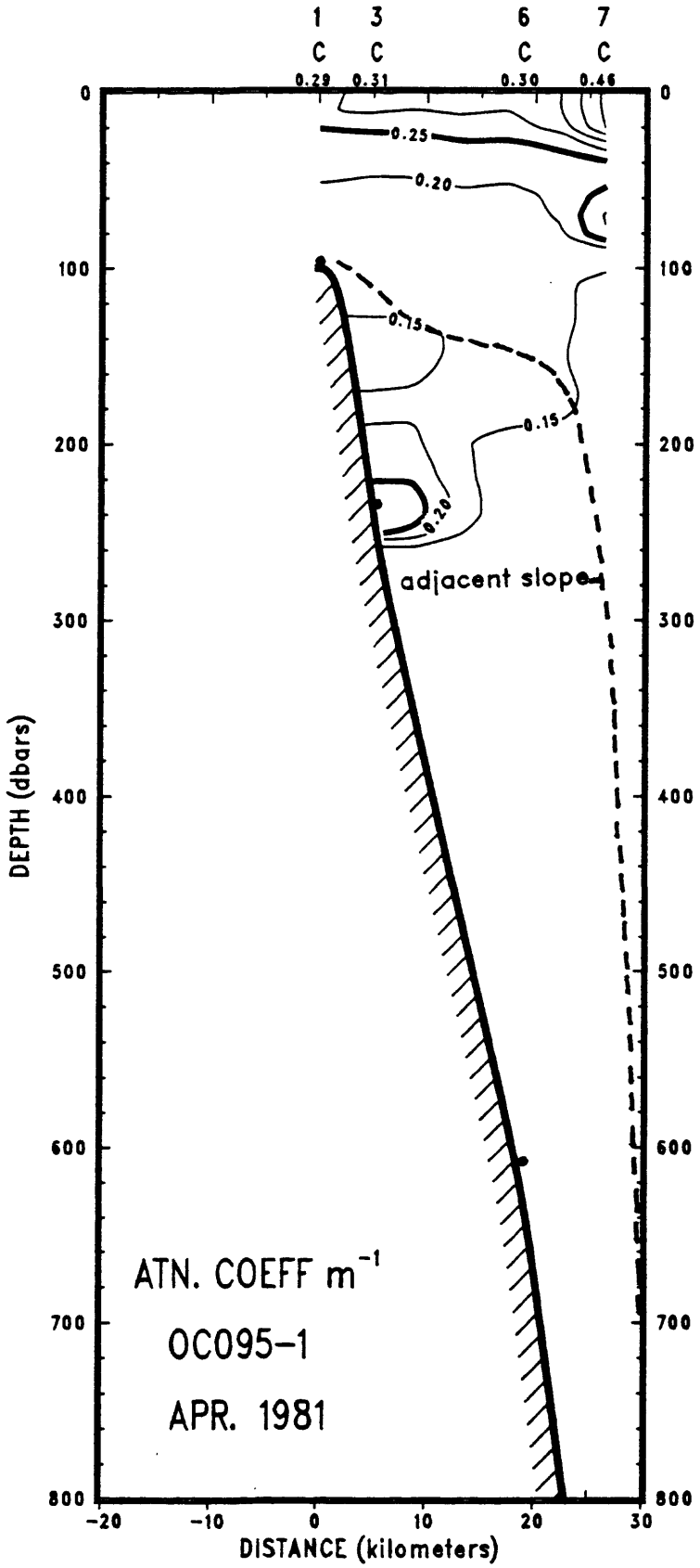
The section numbers follow the hyphen after the cruise symbol OC95 (see figs. 1, 2 and table 1). The station numbers are shown across the top of each section with the station type (C = CTD or X = XBT) and surface value of the contoured variable printed below. The location of the deepest sample is shown by a dot below the station number. 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). Because of the computer contouring routine, the shape and slope of the contours near the sea floor should be interpreted with caution (see text). Note that some of these sections contain stations not occupied in sequence so that some of the spatial variability may be due to changes in time.

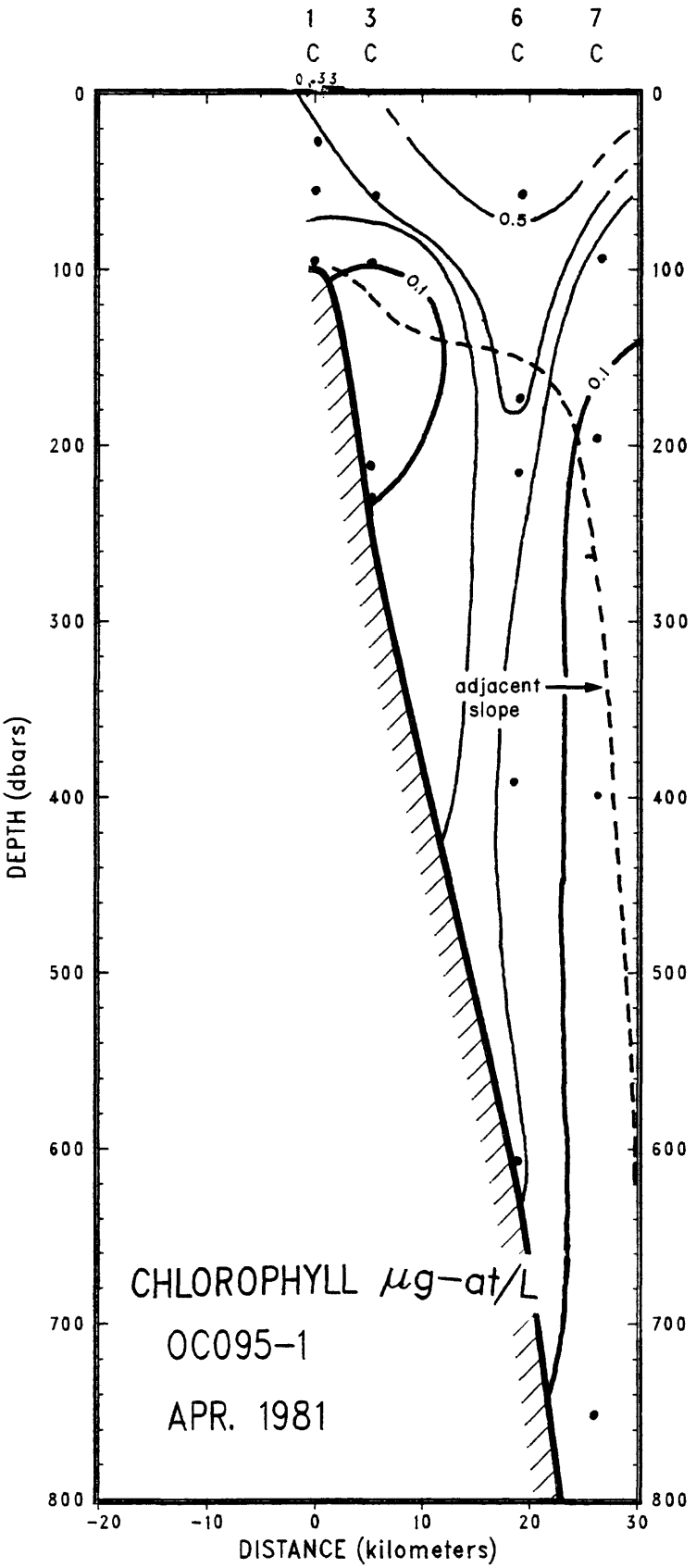

1 C 5.77
3 C 5.66
6 C 5.90
7 C 5.86
22 XX 7.64
20 X 7.70
17 X 7.48
6.00
8.00
7.00
12.00
10.00
9.00
8.00
6.00
5.00
adjacent slope
TEMPERATURE °C
OC095-1
APR. 1981
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-20
-10
0
10
20
30
40
50
60

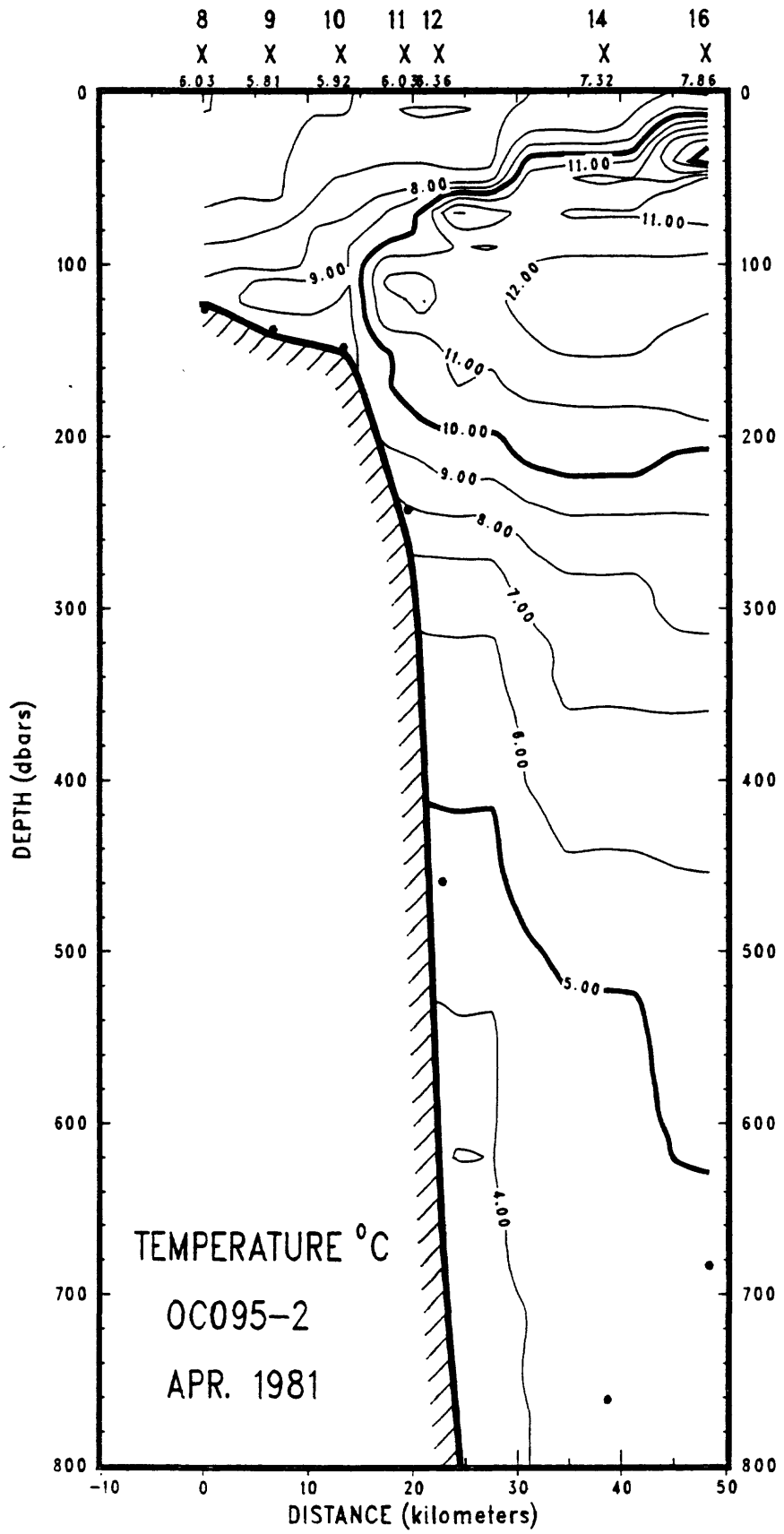

1 C 32.82
3 C 32.82
6 C 33.01
7 C 32.94
33.00
33.20
33.60
34.00
34.40
34.60
34.80
35.00
adjacent slope
SALINITY psu
OC095-1
APR. 1981
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-20
-10
0
10
20
30

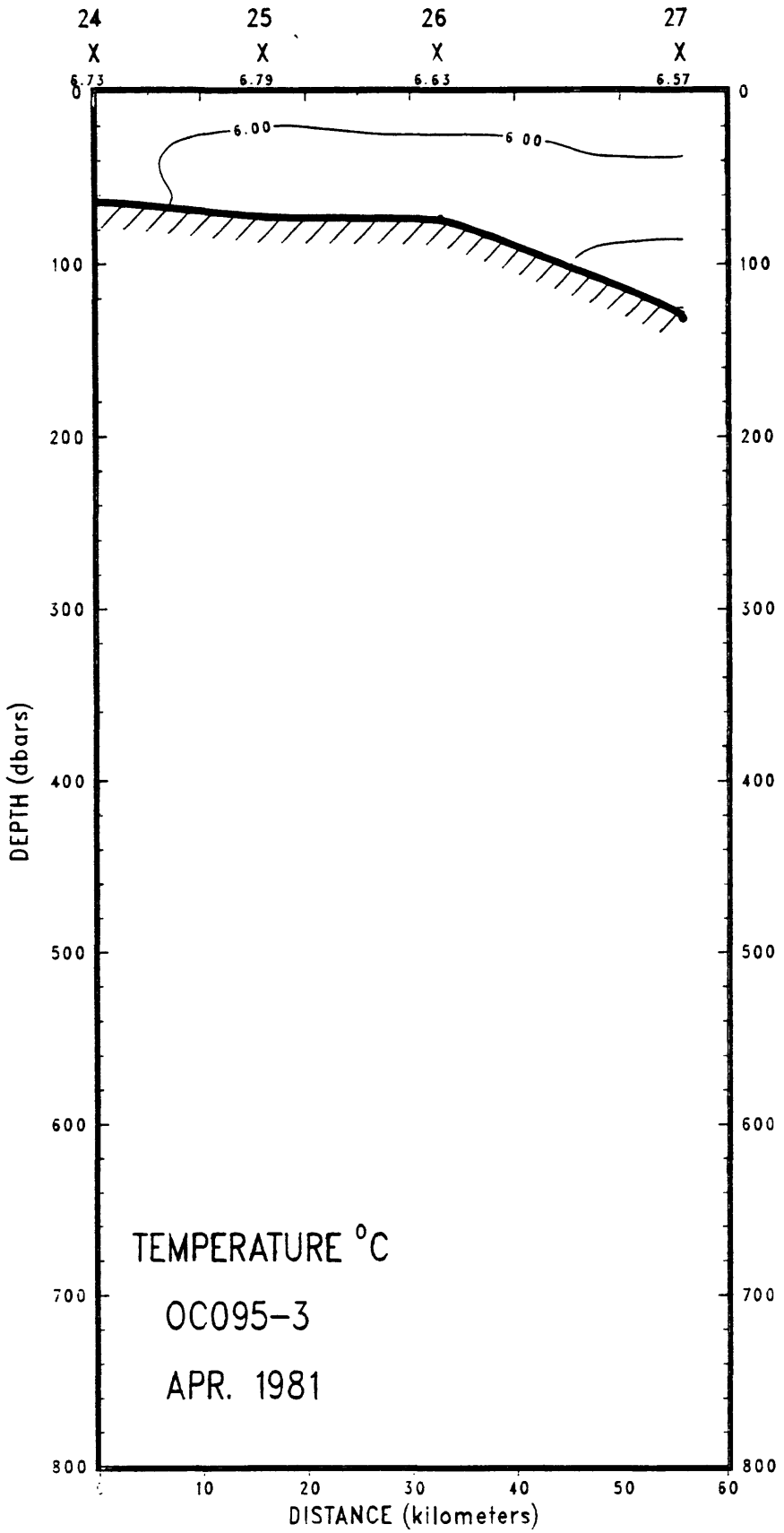

1 C 25.86
3 C 25.87
6 C 25.99
7 C 25.94
26.00
26.20
26.40
26.60
26.80
27.00
27.20
27.40
adjacent slope
SIGMA-t
OC095-1
APR. 1981
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-20
-10
0
10
20
30

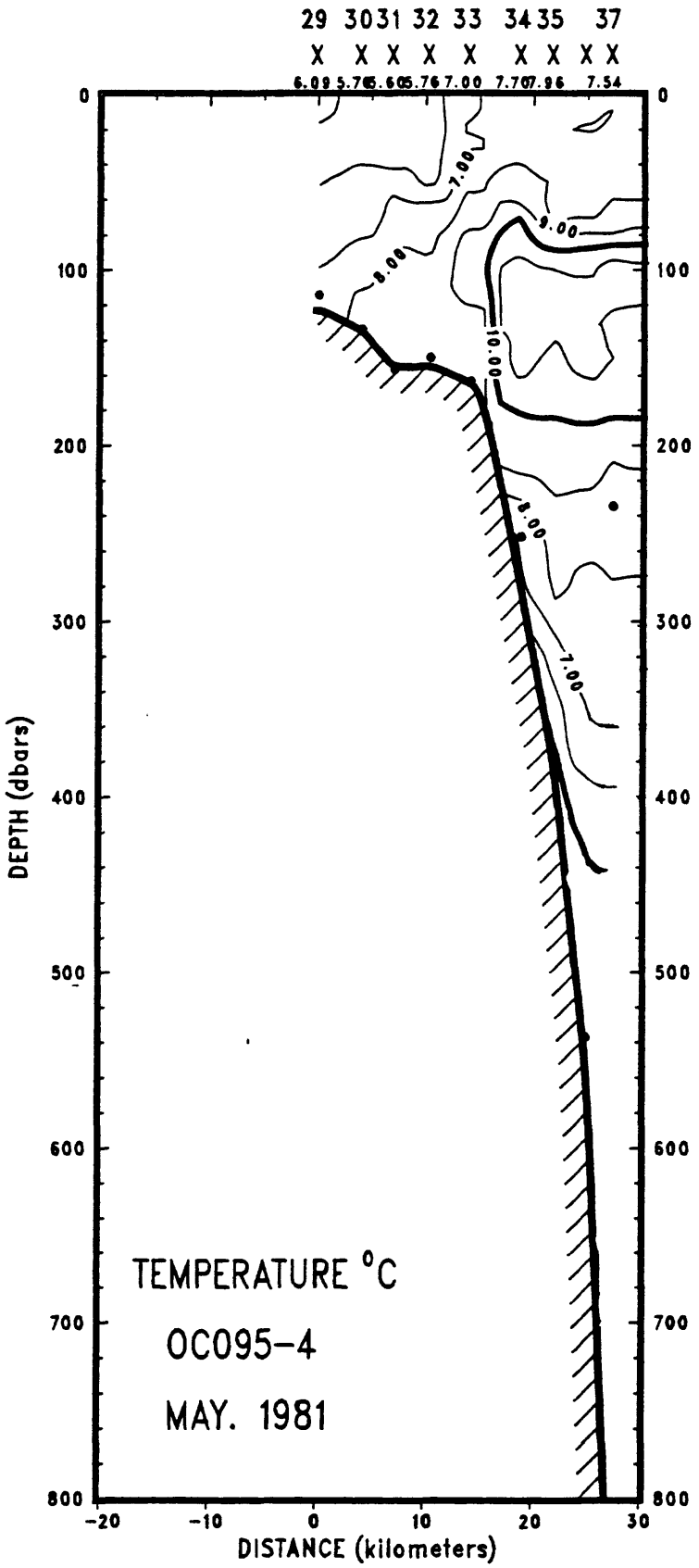

1 C 6.97
3 C 7.05
6 C 7.10
7 C 6.99
6.80
6.40
5.60
5.00
4.60
4.60
4.20
4.80
5.00
5.20
5.60
adjacent slope
OXYGEN ml/l
OC095-1
APR. 1981
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-20
-10
0
10
20
30

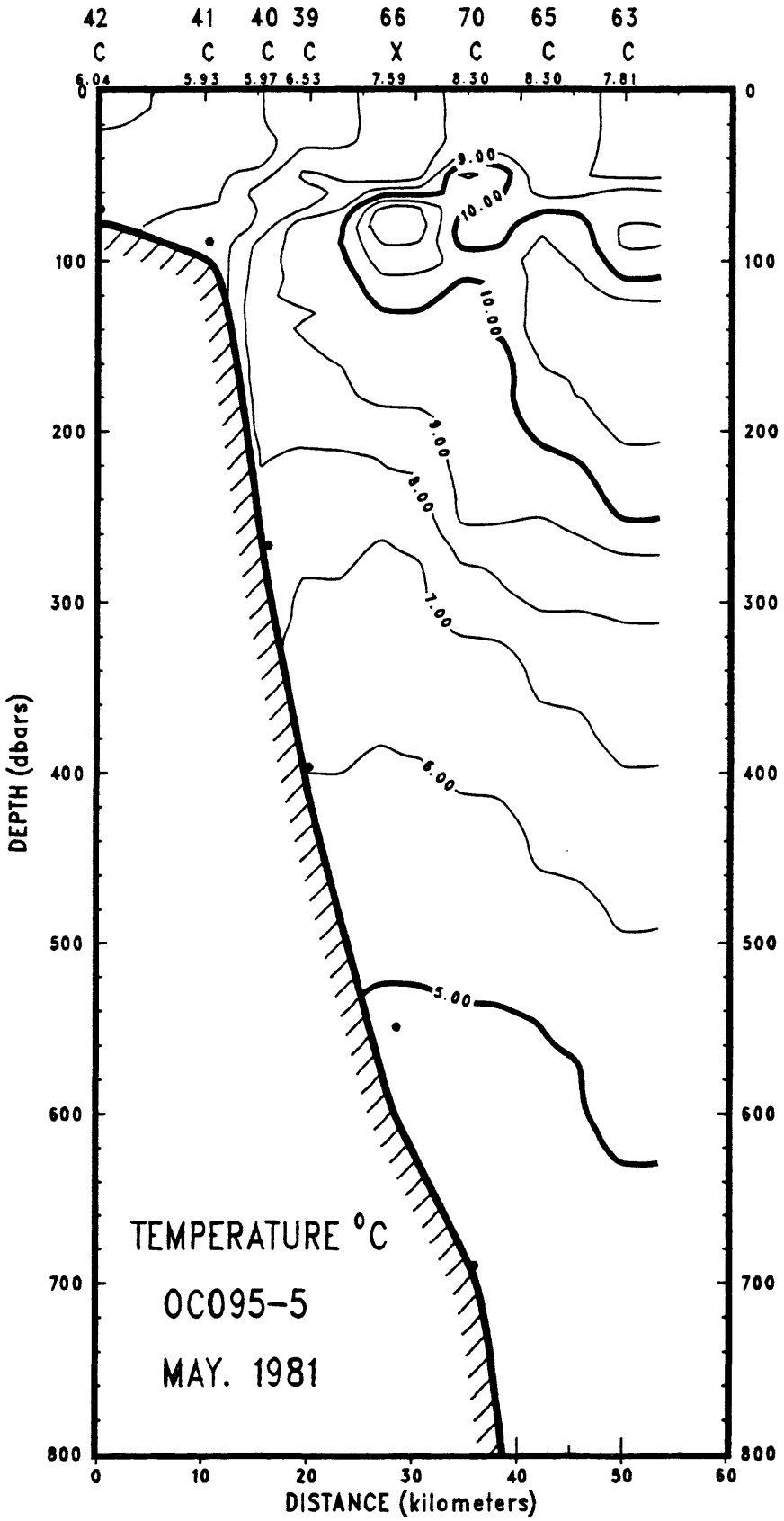

1 C
3 C
6 C
7 C
0.29
0.31
0.30
0.46
0.25
0.20
0.15
0.20
adjacent slope
DEPTH (dbars)
DISTANCE (kilometers)
ATN. COEFF m^{-1}
OC095-1
APR. 1981

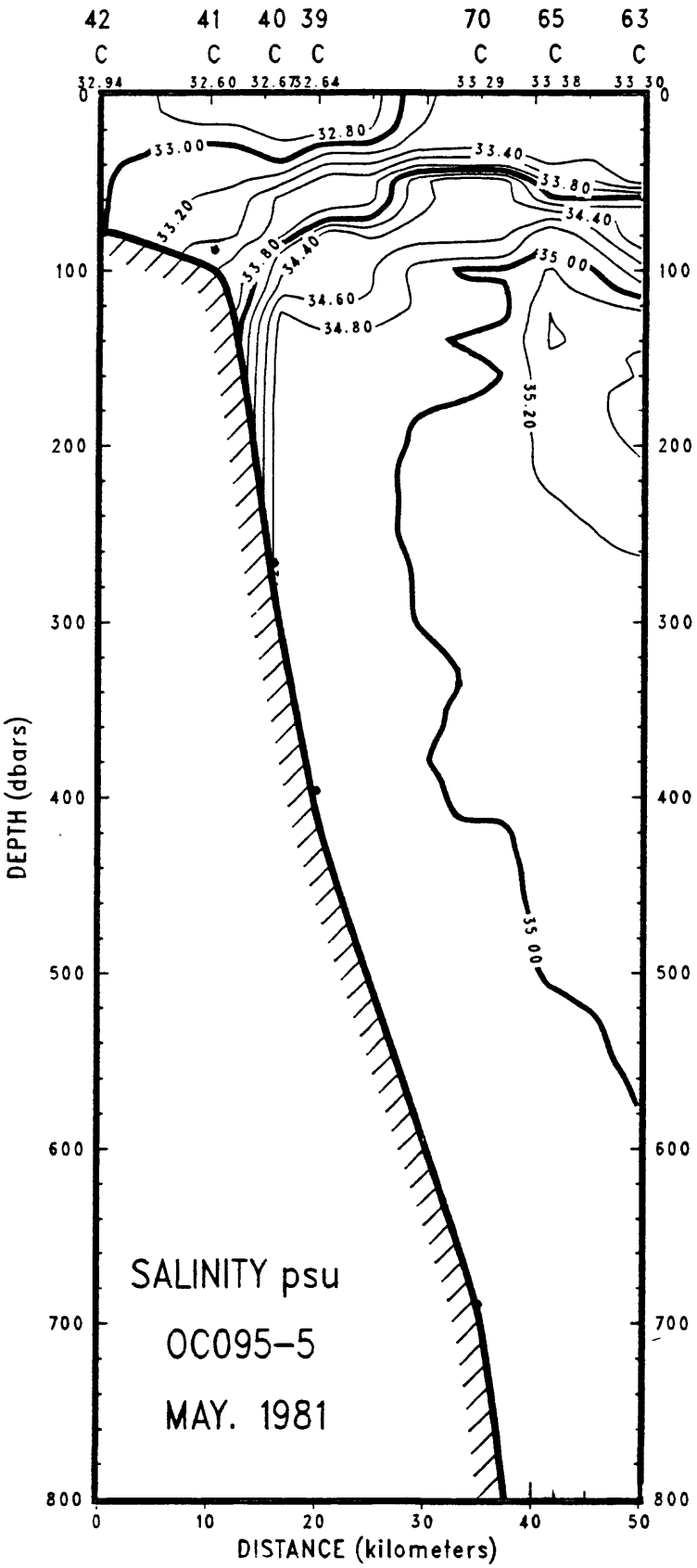

1 C
3 C
6 C
7 C
0.33
0.5
0.1
0.1
adjacent slope
CHLOROPHYLL μg-at/L
OC095-1
APR. 1981
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-20
-10
0
10
20
30

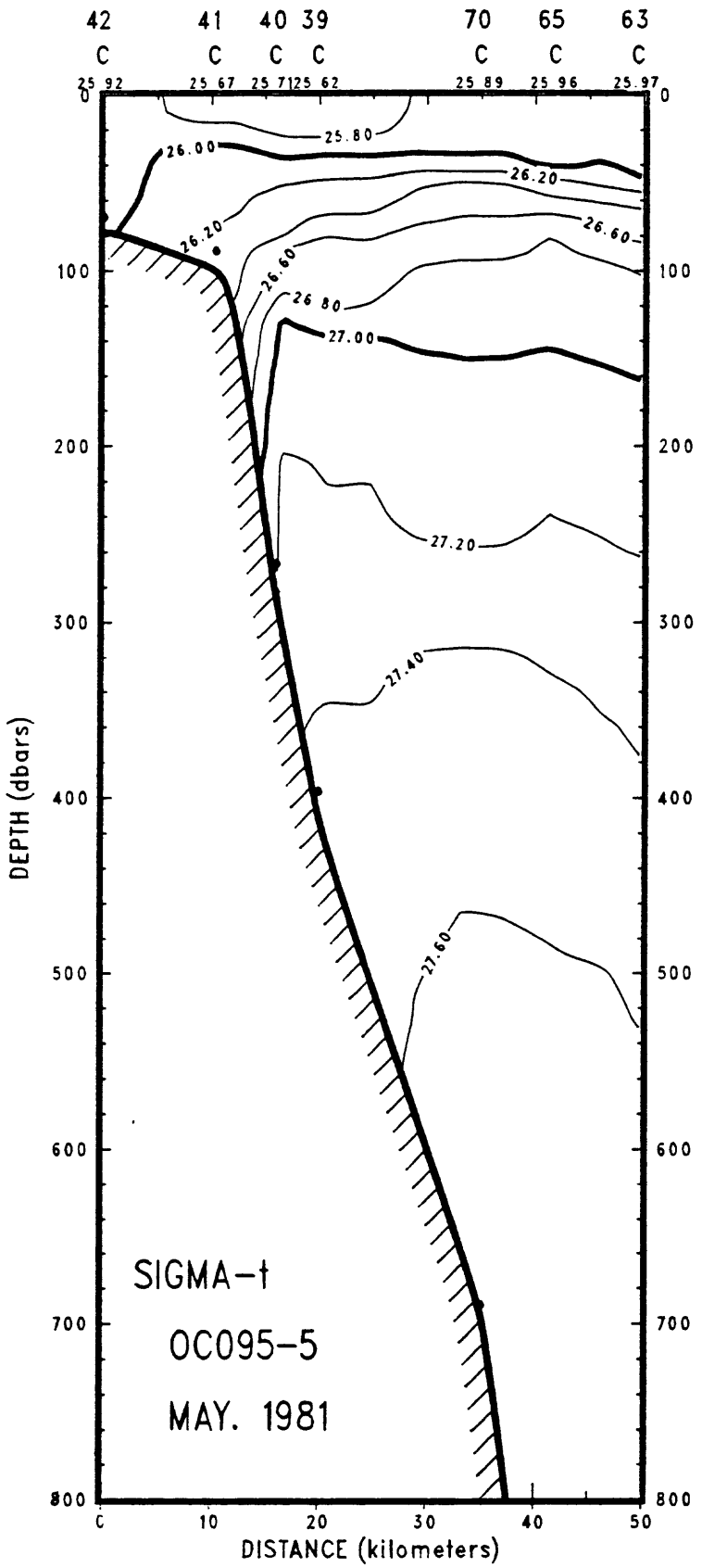

8 9 10 11 12 14 16
6.03 5.81 5.92 6.03 6.36 7.32 7.86
11.00
8.00
11.00
9.00
12.00
11.00
10.00
9.00
8.00
7.00
6.00
5.00
4.00
DEPTH (dbars)
0 100 200 300 400 500 600 700 800
TEMPERATURE °C
OC095-2
APR. 1981
-10 0 10 20 30 40 50
DISTANCE (kilometers)

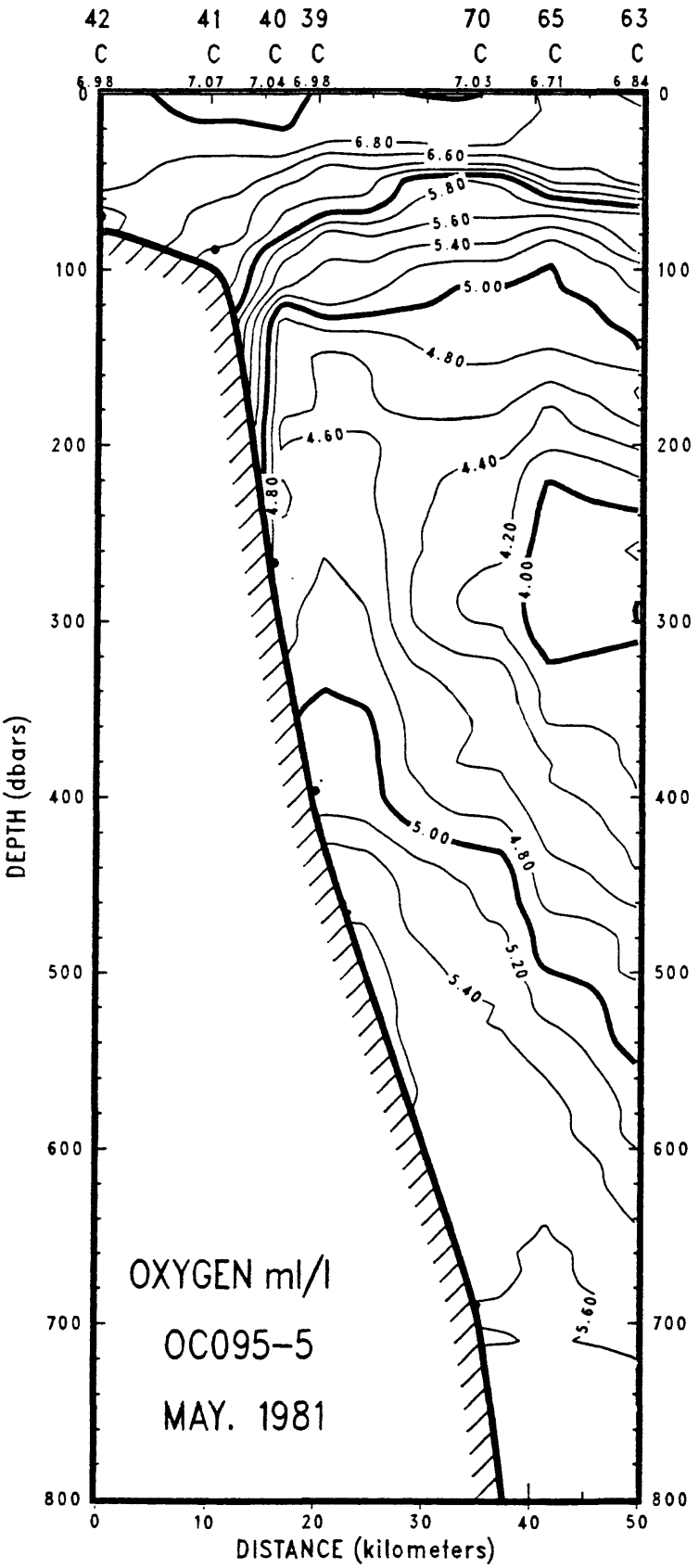

24
25
26
27
6.73
6.79
6.63
6.57
6.00
6.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
10
20
30
40
50
60
DISTANCE (kilometers)
TEMPERATURE °C
OC095-3
APR. 1981

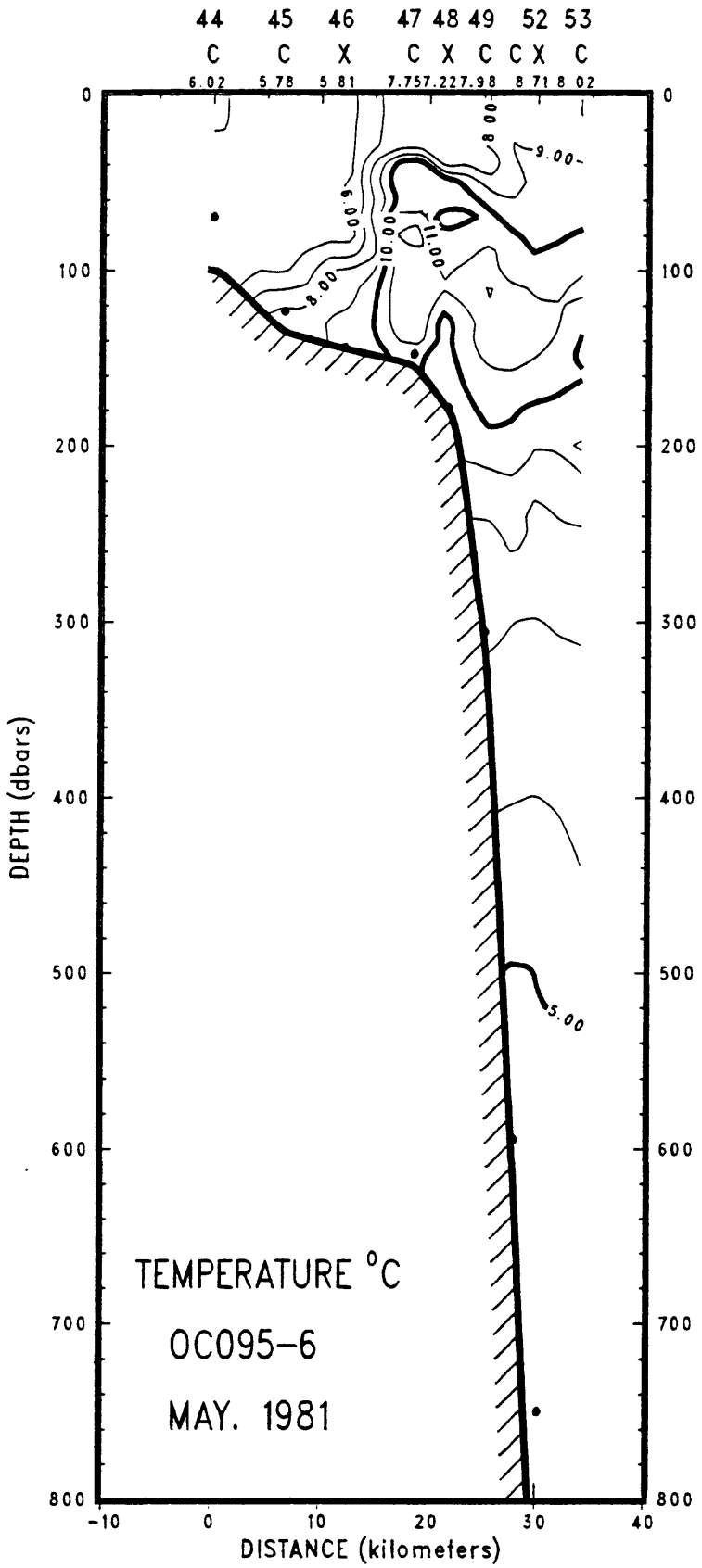

29 30 31 32 33 34 35 37
X X X X X X X X X
6.09 5.76 5.60 5.76 7.00 7.70 7.96 7.54
0
100
200
300
400
500
600
700
800
7.00
8.00
9.00
10.00
DEPTH (dbars)
TEMPERATURE °C
OC095-4
MAY. 1981
-20
-10
0
10
20
30
DISTANCE (kilometers)

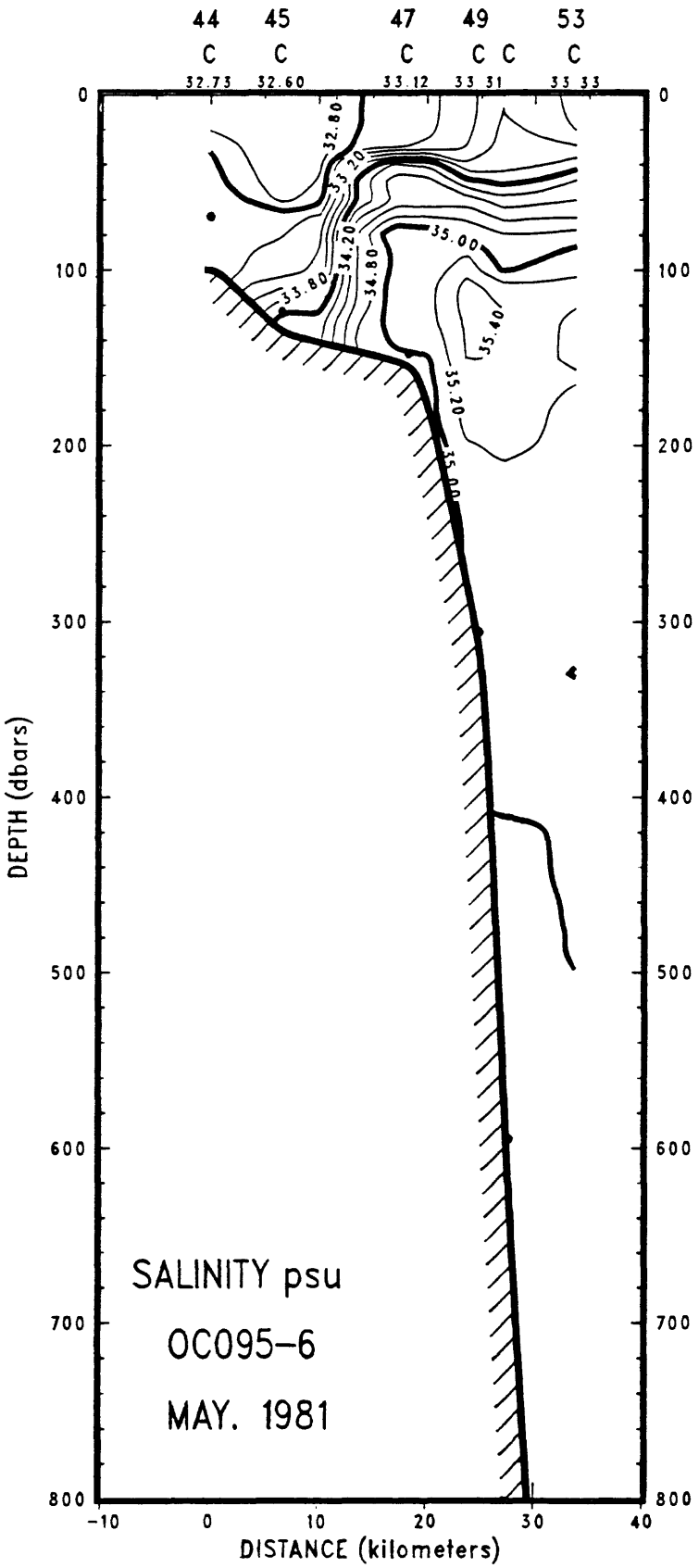

42 C 6.04
41 C 5.93
40 C 5.97
39 C 6.53
66 X 7.59
70 C 8.30
65 C 8.30
63 C 7.81
9.00
10.00
10.00
9.00
8.00
7.00
6.00
5.00
TEMPERATURE °C
OC095-5
MAY. 1981
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
10
20
30
40
50
60

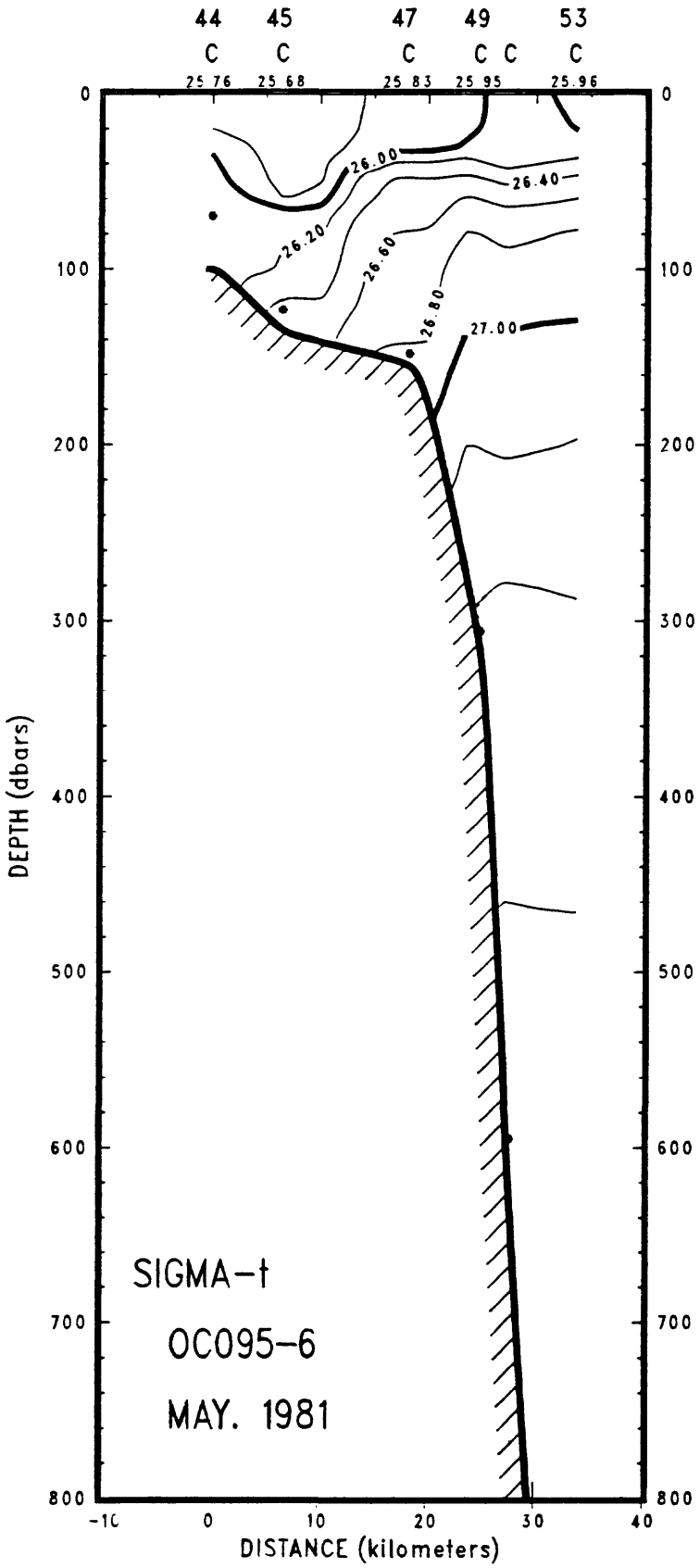

42 C
41 C
40 C
39 C
70 C
65 C
63 C
32.94
32.60
32.67
32.64
33.29
33.38
33.30
32.80
33.00
33.40
33.80
34.40
33.20
33.80
34.40
35.00
34.60
34.80
35.20
35.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SALINITY psu
OC095-5
MAY. 1981
0
10
20
30
40
50
DISTANCE (kilometers)

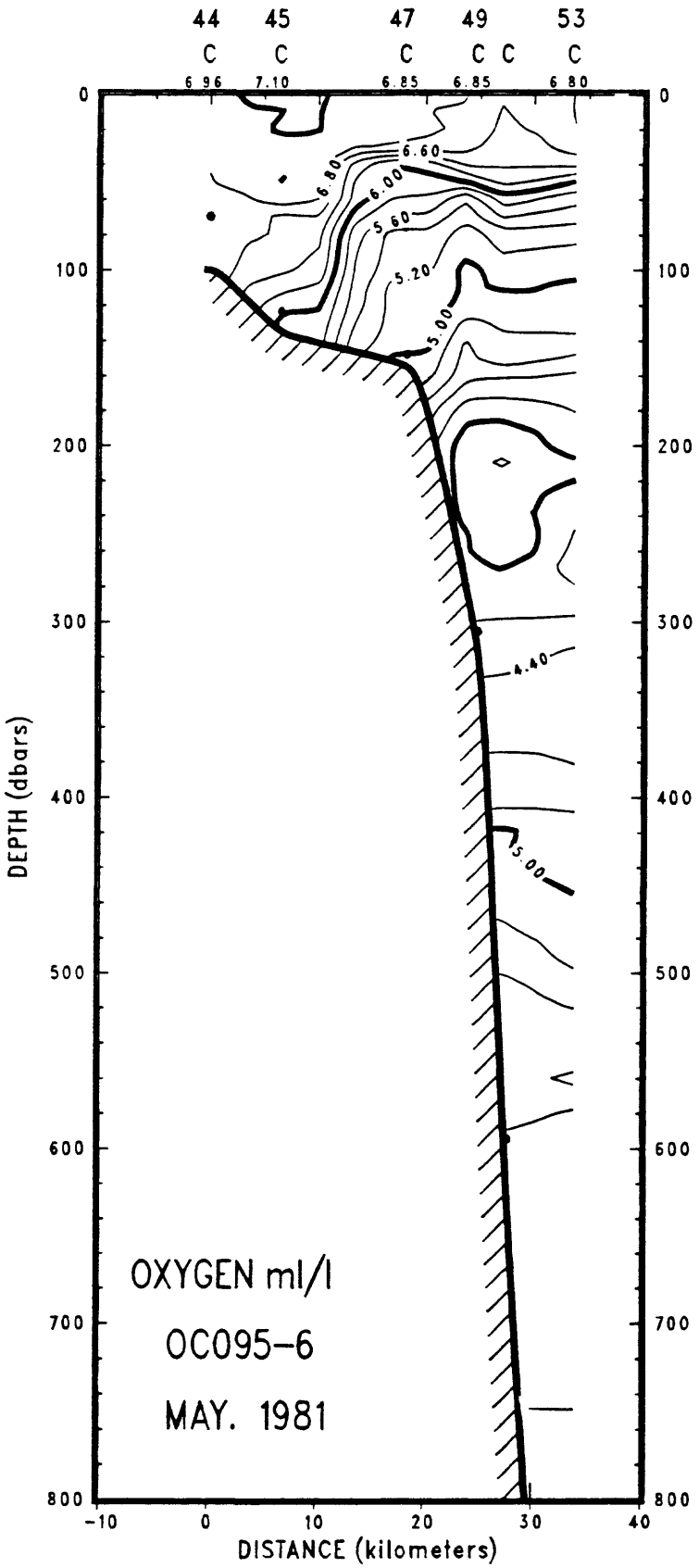

42 C 25 92
41 C 25 67
40 C 25 71
39 C 25 62
70 C 25 89
65 C 25 96
63 C 25.97
25.80
26.00
26.20
26.20
26.60
26.60
26.80
27.00
27.20
27.40
27.60
SIGMA-t
OC095-5
MAY. 1981
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
10
20
30
40
50

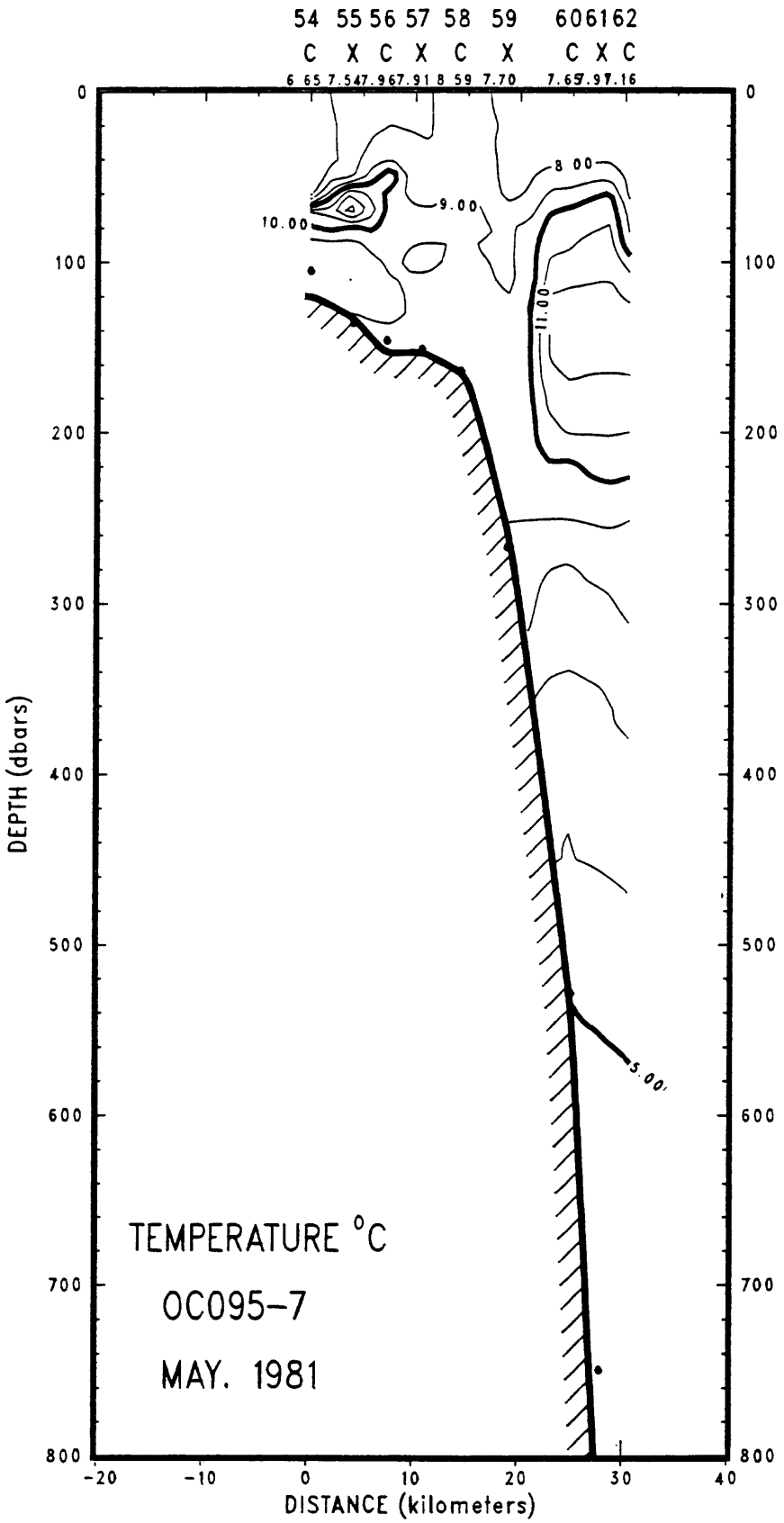

42 C
41 C
40 C
39 C
70 C
65 C
63 C
6.98
7.07
7.04
6.98
7.03
6.71
6.84
6.80
6.60
5.80
5.60
5.40
5.00
4.80
4.60
4.40
4.20
4.00
5.00
4.80
5.20
5.40
5.60
DEPTH (dbars)
DISTANCE (kilometers)
OXYGEN ml/l
OC095-5
MAY. 1981

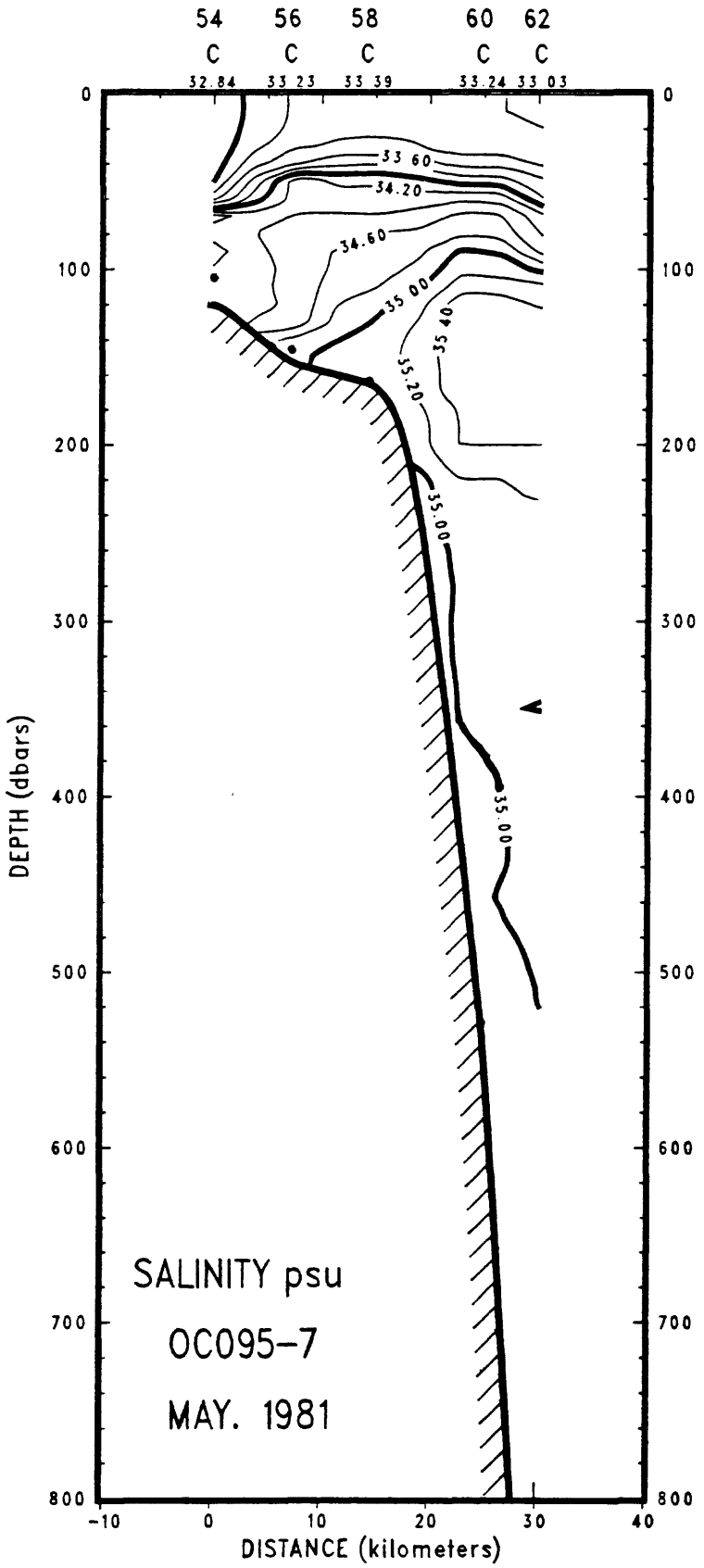

44 45 46 47 48 49 52 53
C C X C X C C X C
6.02 5.78 5.81 7.75 7.22 7.98 8.71 8.02
0
100
200
300
400
500
600
700
800
9.00
8.00
10.00
11.00
5.00
DEPTH (dbars)
TEMPERATURE °C
OC095-6
MAY. 1981
-10 0 10 20 30 40
DISTANCE (kilometers)

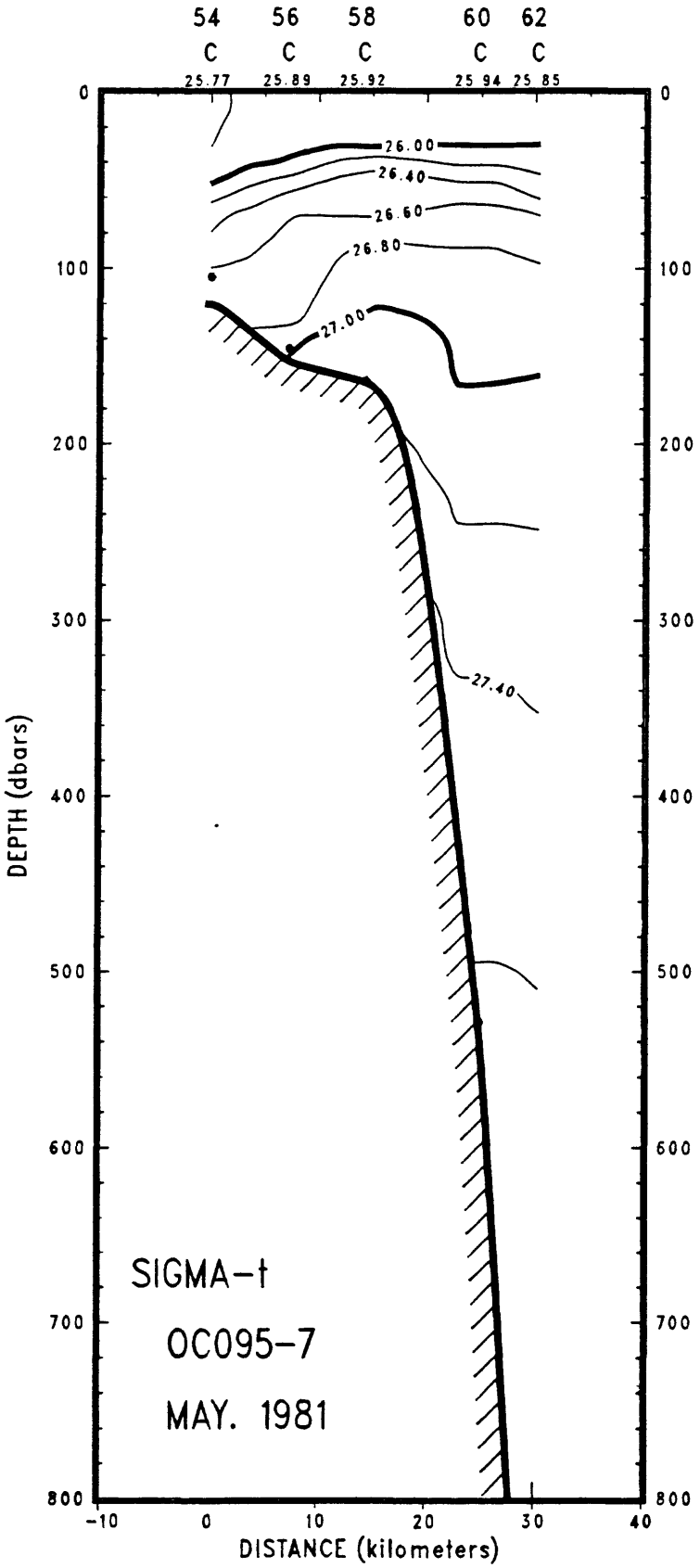

44 45 47 49 53
C C C C C C
32.73 32.60 33.12 33 31 33 33
0
100
200
300
400
500
600
700
800
32.80
33.20
33.80
34.20
34.80
35.00
35.40
35.20
DEPTH (dbars)
SALINITY psu
OC095-6
MAY. 1981
-10 0 10 20 30 40
DISTANCE (kilometers)

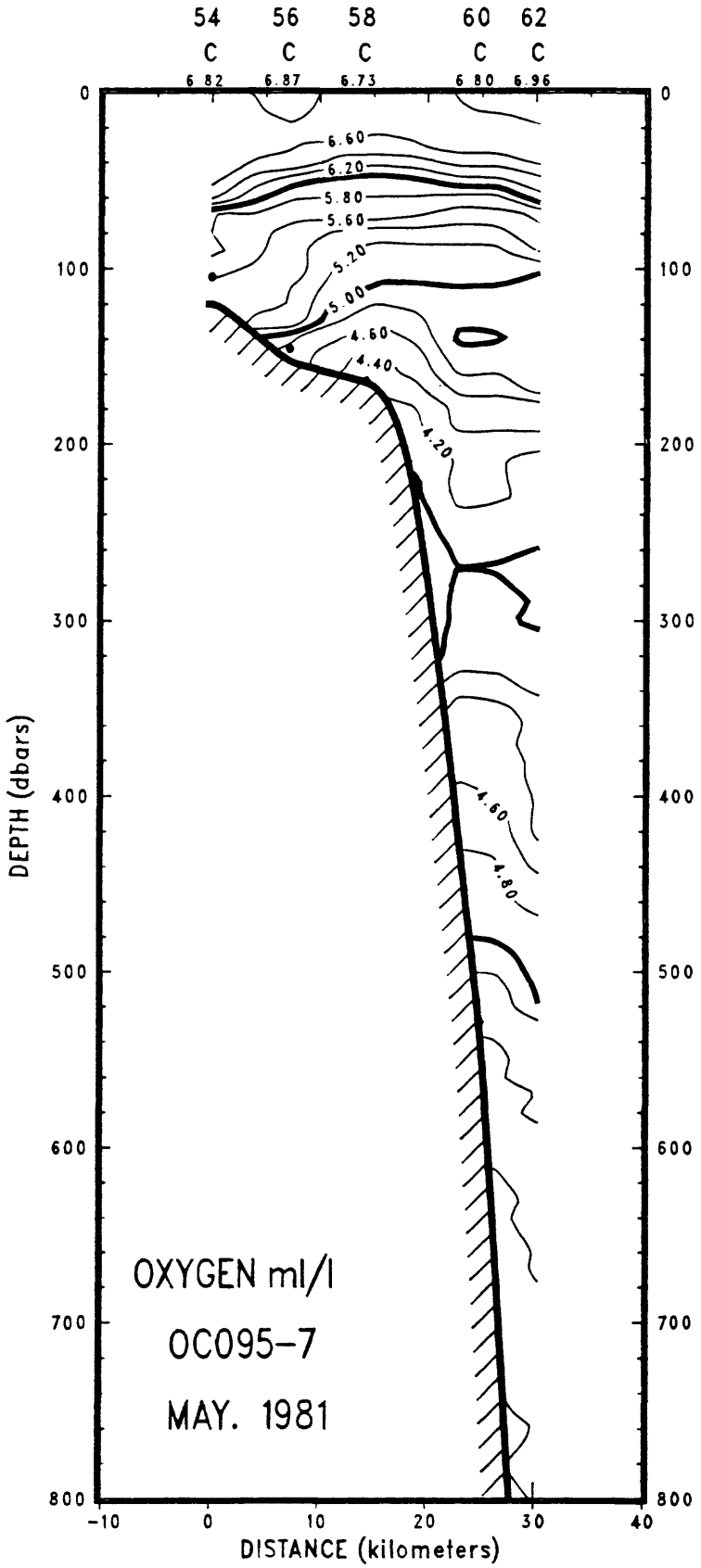

44 45 47 49 53
C C C C C C
25.76 25.68 25.83 25.95 25.96
26.00
26.40
26.20
26.60
26.80
27.00
SIGMA-t
OC095-6
MAY. 1981
DEPTH (dbars)
DISTANCE (kilometers)
0 100 200 300 400 500 600 700 800
-10 0 10 20 30 40

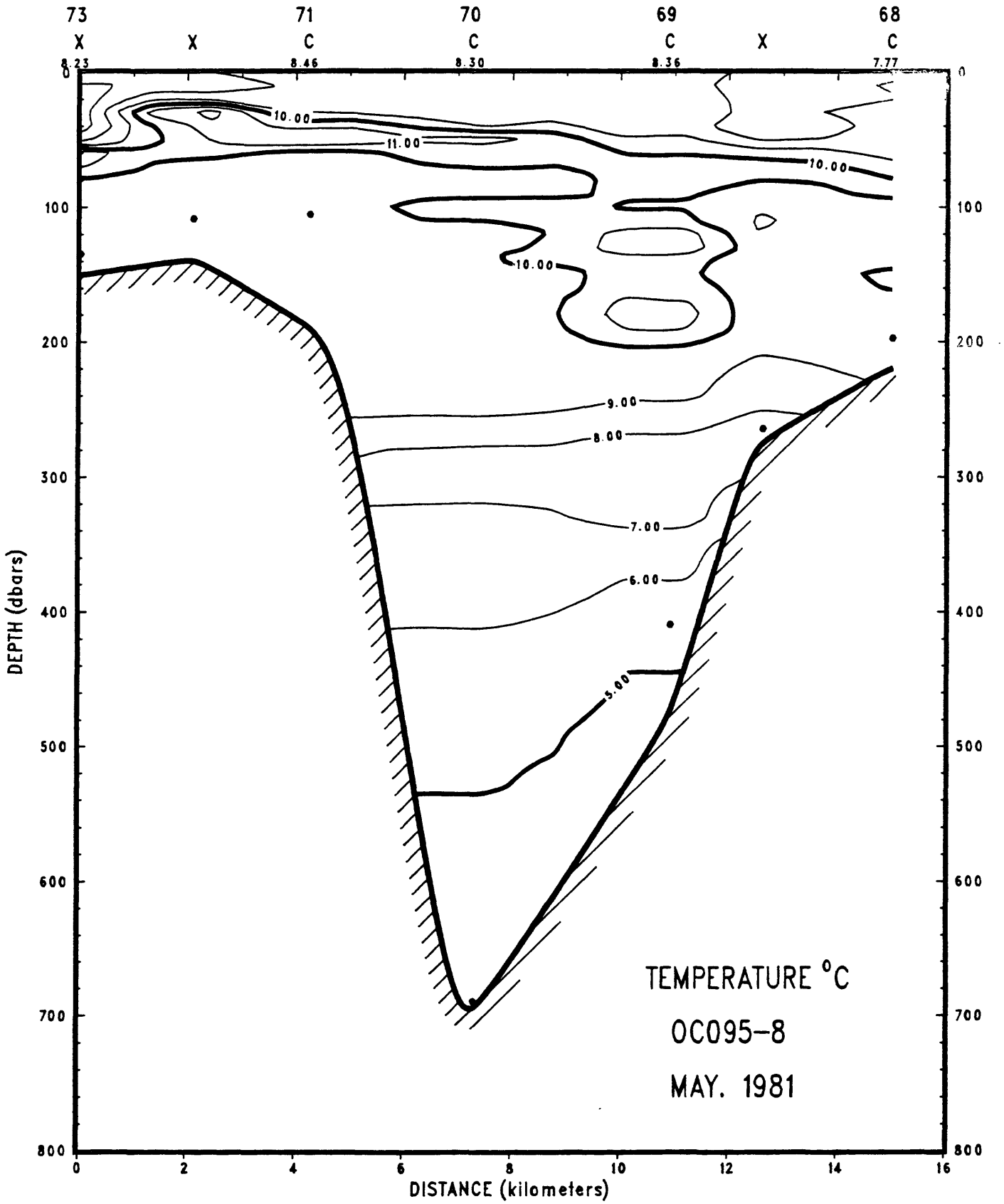

44 45 47 49 53
C C C C C C
6.96 7.10 6.85 6.85 6.80
6.80
6.60
6.00
5.60
5.20
5.00
4.40
5.00
OXYGEN ml/l
OC095-6
MAY. 1981
DEPTH (dbars)
DISTANCE (kilometers)
0 100 200 300 400 500 600 700 800
-10 0 10 20 30 40

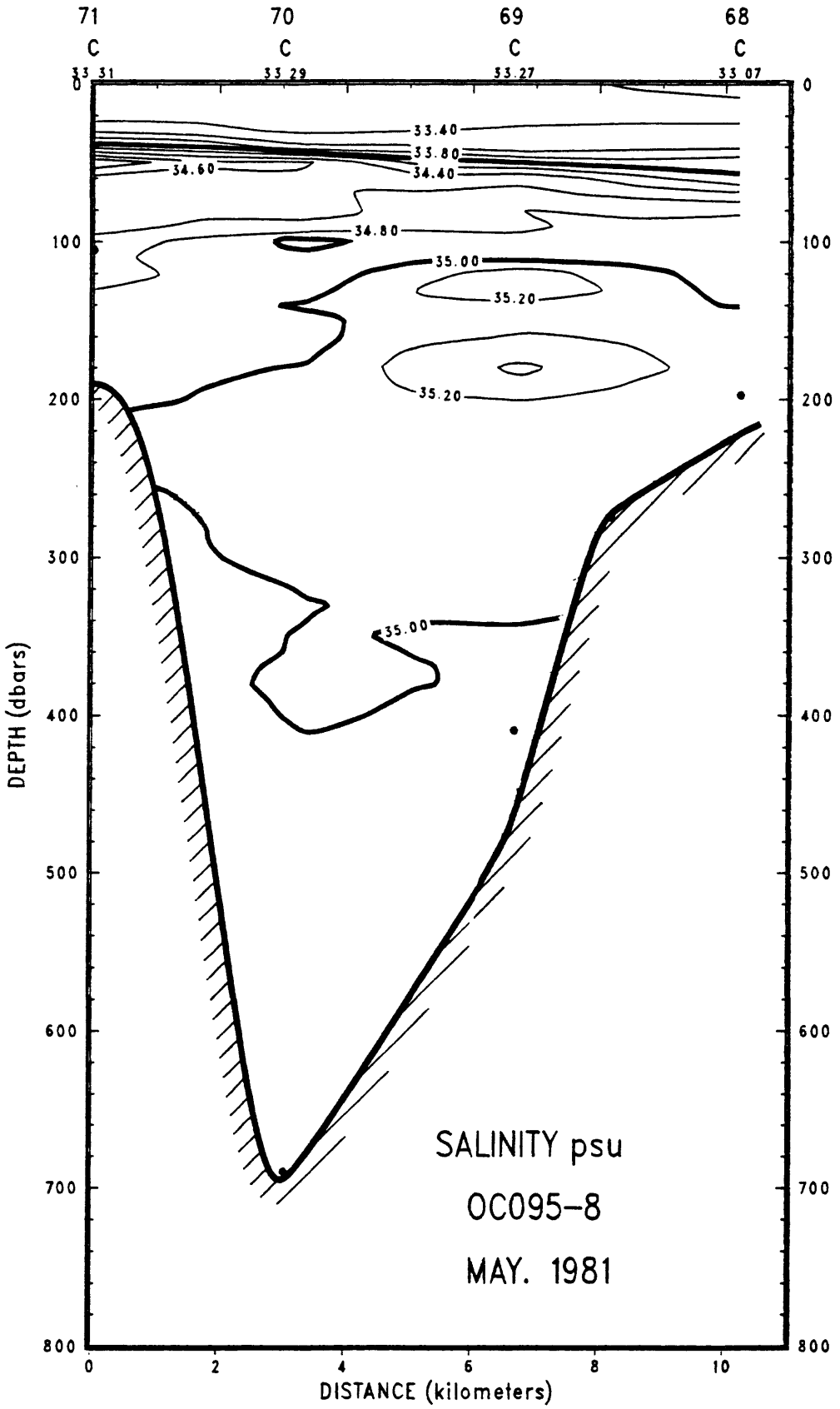

54 55 56 57 58 59 606162
C X C X C X C X C
6.65 7.54 7.96 7.91 8.59 7.70 7.65 7.97 7.16
0
100
200
300
400
500
600
700
800
10.00
9.00
8.00
11.00
5.00
DEPTH (dbars)
-20
-10
0
10
20
30
40
DISTANCE (kilometers)
TEMPERATURE °C
OC095-7
MAY. 1981

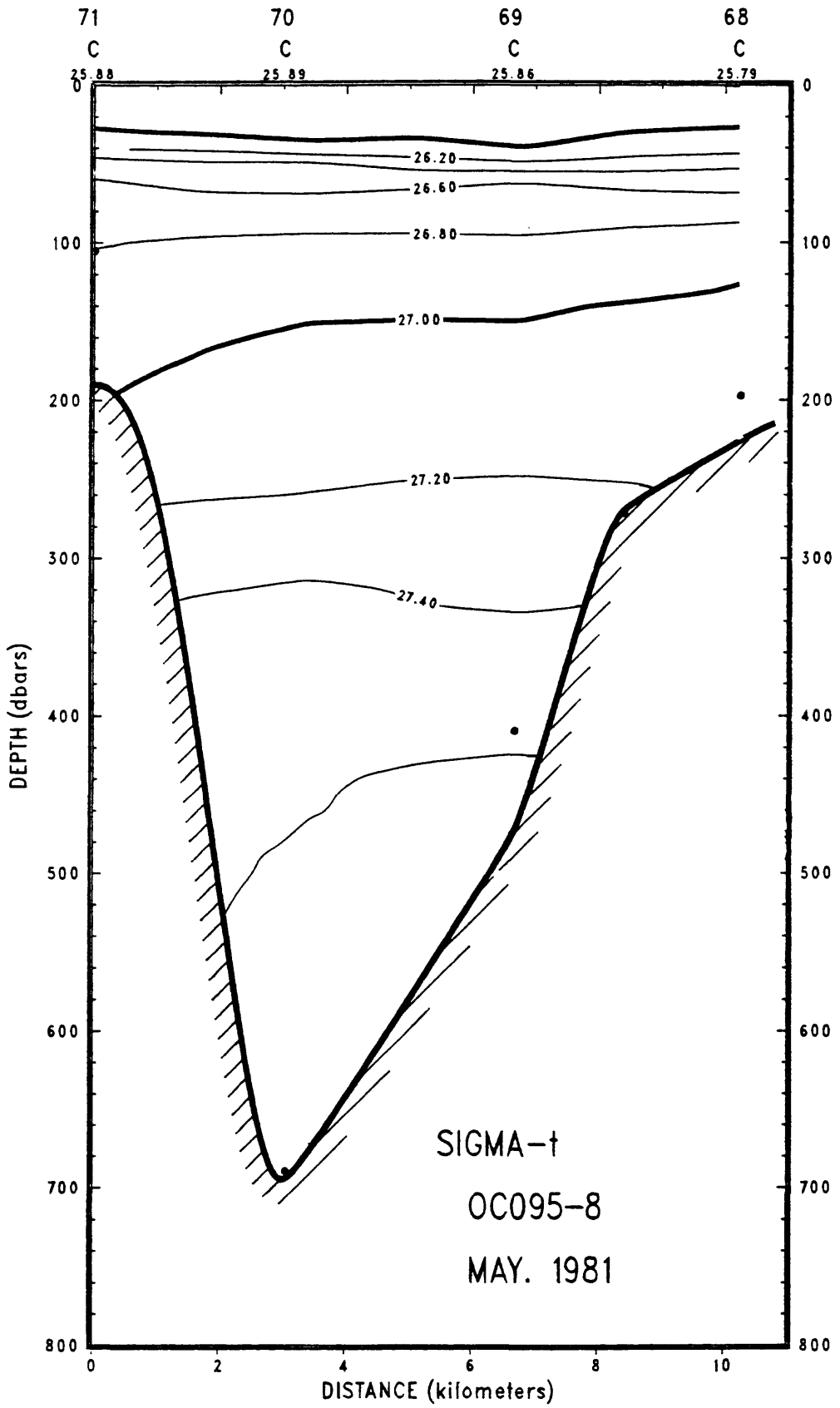

54 C
56 C
58 C
60 C
62 C
32.84
33.23
33.39
33.24
33.03
33.60
34.20
34.60
35.00
35.40
35.20
35.00
35.00
SALINITY psu
OC095-7
MAY. 1981
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-10
0
10
20
30
40

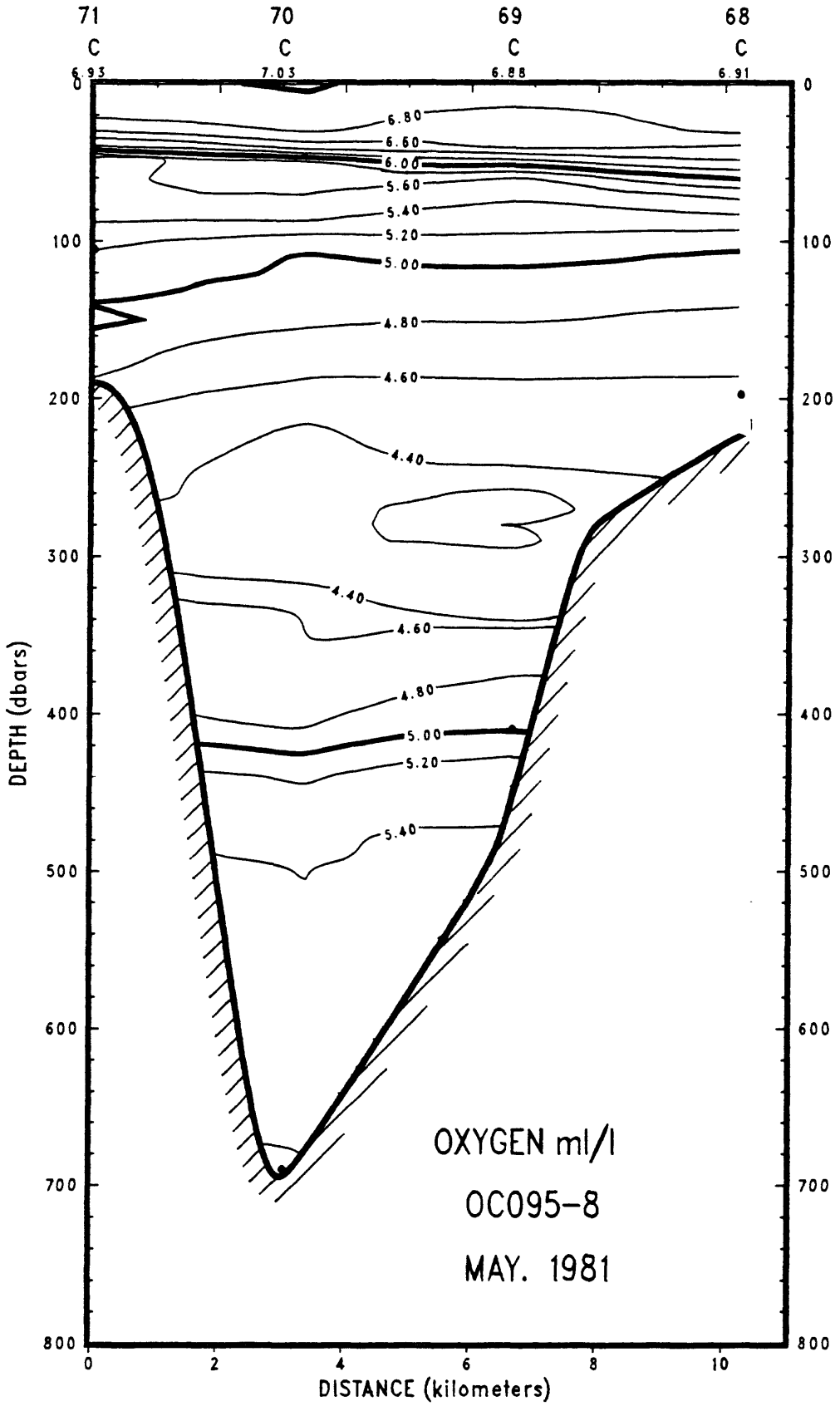

54 C 25.77
56 C 25.89
58 C 25.92
60 C 25 94
62 C 25 85
26.00
26.40
26.60
26.80
27.00
27.40
DEPTH (dbars)
DISTANCE (kilometers)
SIGMA-t
OC095-7
MAY. 1981

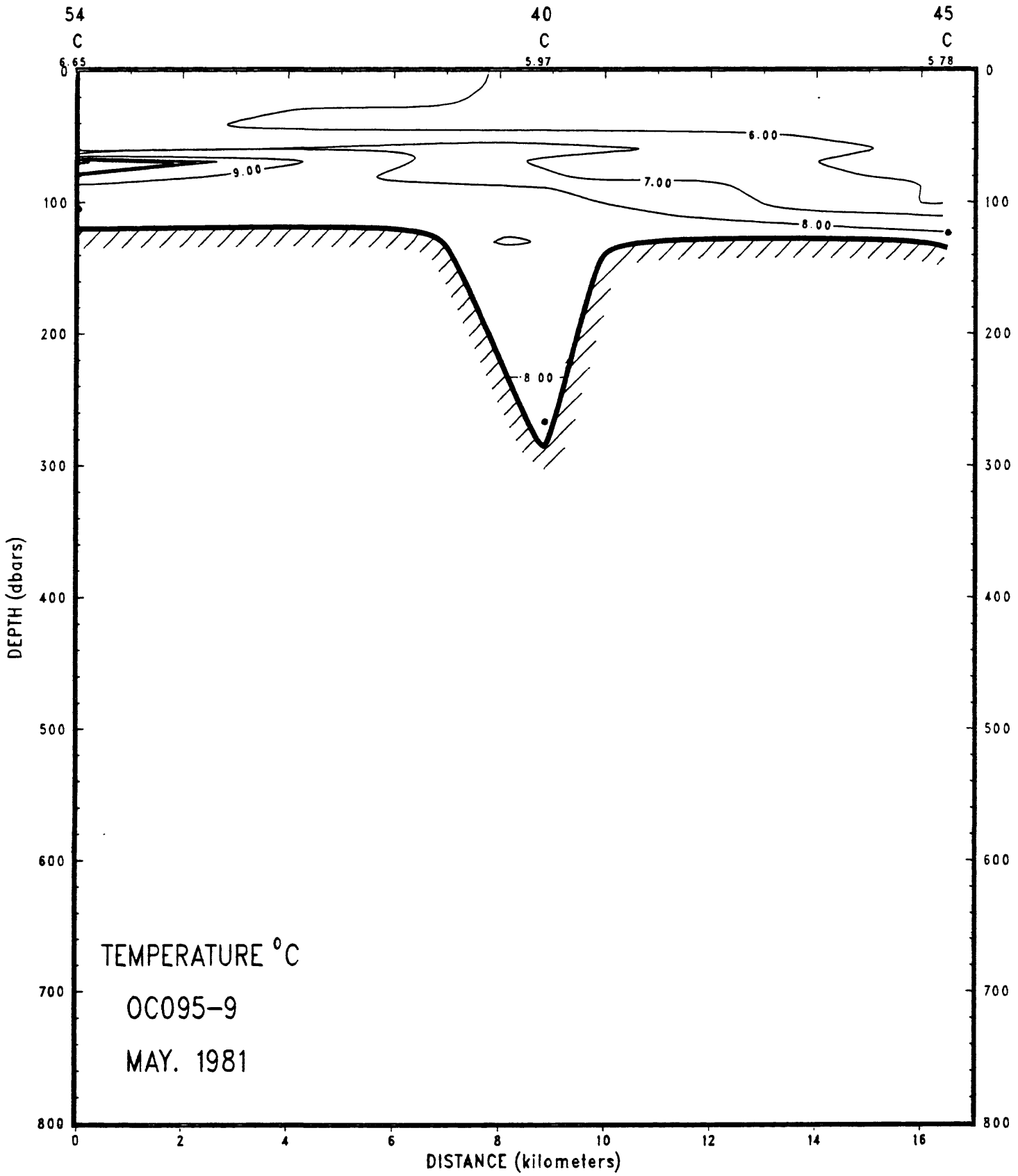

54 C 6.82
56 C 6.87
58 C 6.73
60 C 6.80
62 C 6.96
6.60
6.20
5.80
5.60
5.20
5.00
4.60
4.40
4.20
4.60
4.80
OXYGEN ml/l
OC095-7
MAY. 1981
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
-10
0
10
20
30
40

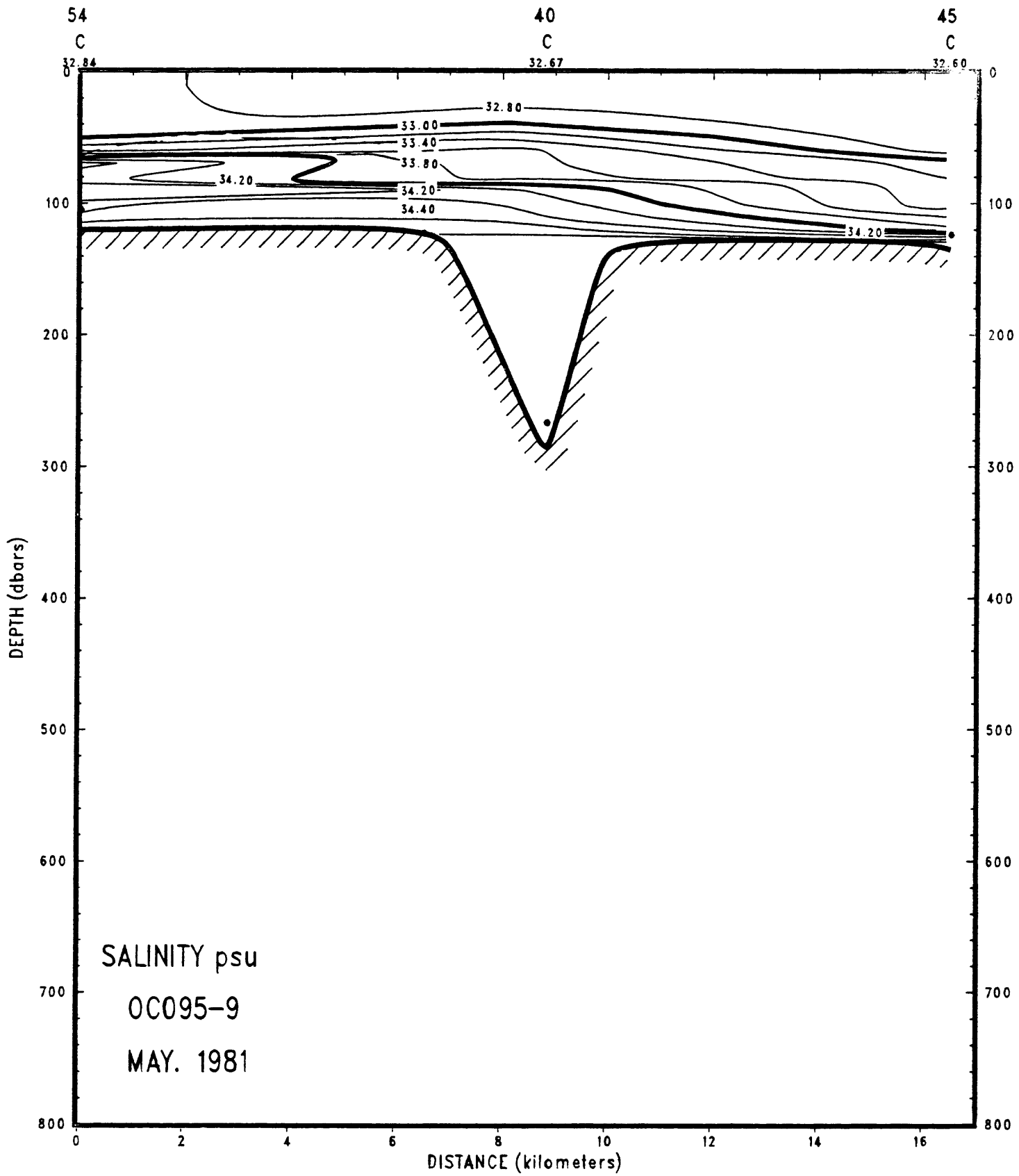

73
X
8.23
X
71
C
8.46
70
C
8.30
69
C
8.36
X
68
C
7.77
10.00
11.00
10.00
10.00
9.00
8.00
7.00
6.00
5.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
0
2
4
6
8
10
12
14
16
DISTANCE (kilometers)
TEMPERATURE °C
OC095-8
MAY. 1981

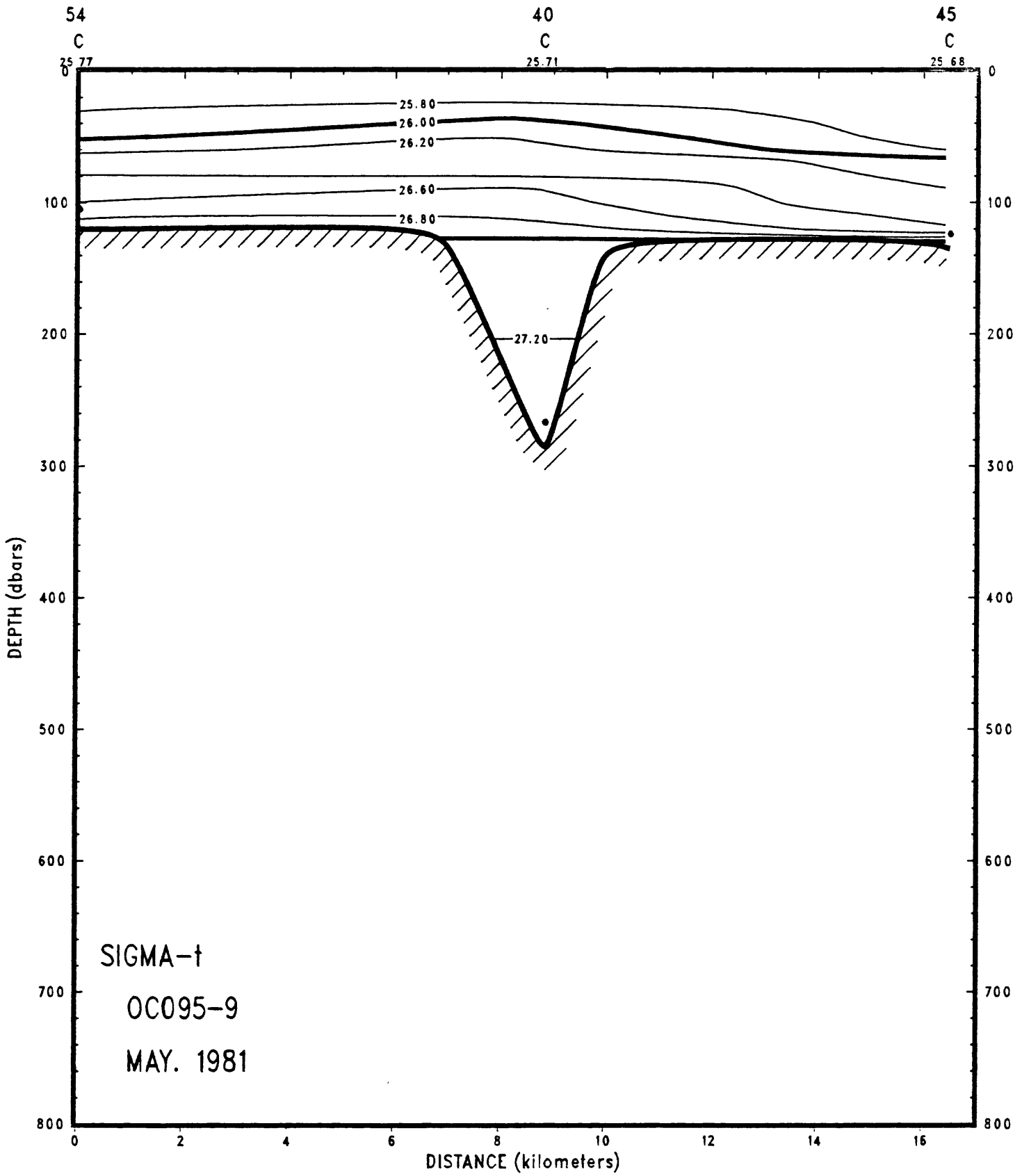

71
C
33.31
70
C
33.29
69
C
33.27
68
C
33.07
33.40
33.80
34.40
34.60
34.80
35.00
35.20
35.20
35.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
0
2
4
6
8
10
DISTANCE (kilometers)
SALINITY psu
OC095-8
MAY. 1981

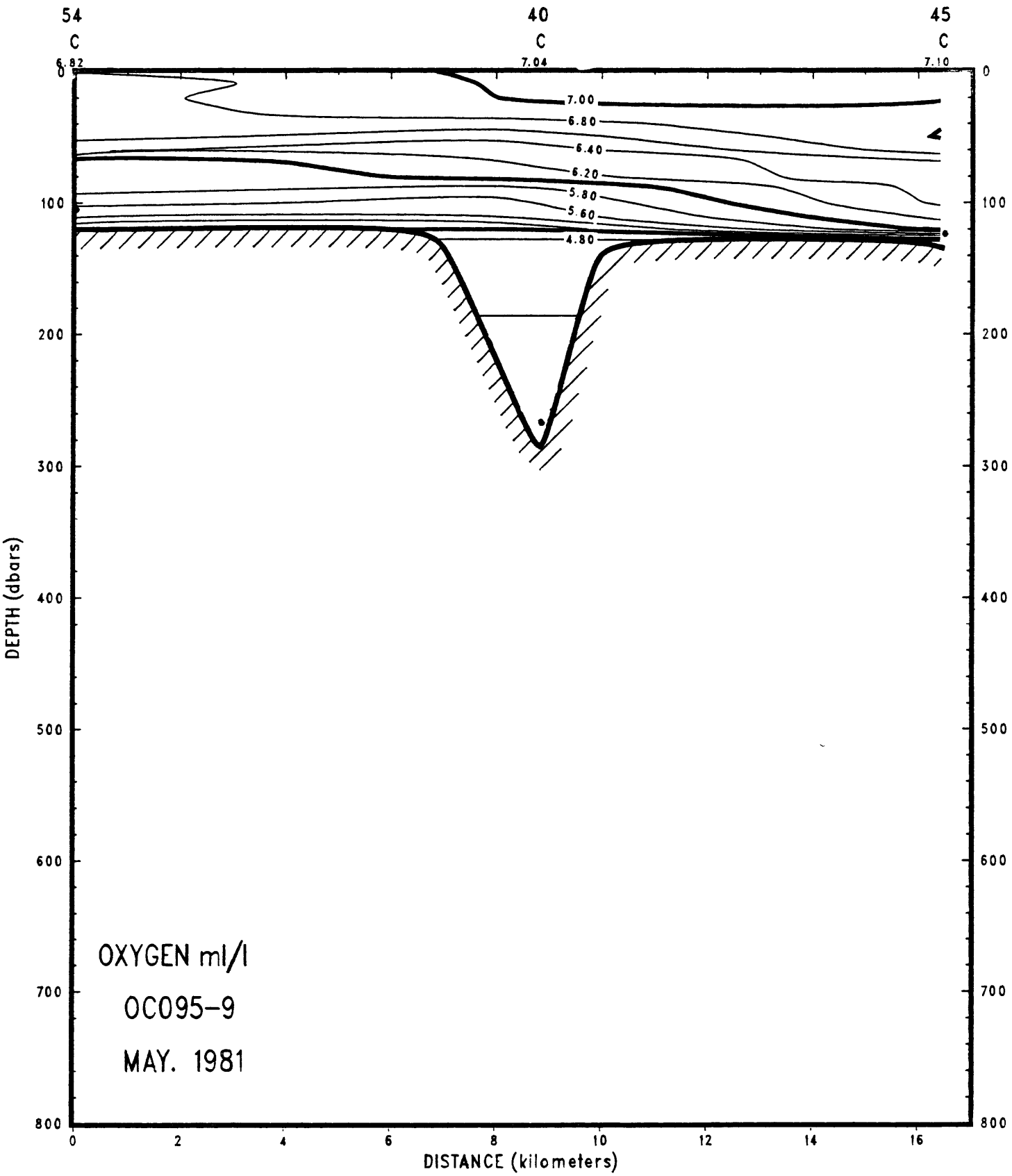

71
C
25.88
70
C
25.89
69
C
25.86
68
C
25.79
26.20
26.60
26.80
27.00
27.20
27.40
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
0
2
4
6
8
10
DISTANCE (kilometers)
SIGMA-t
OC095-8
MAY. 1981

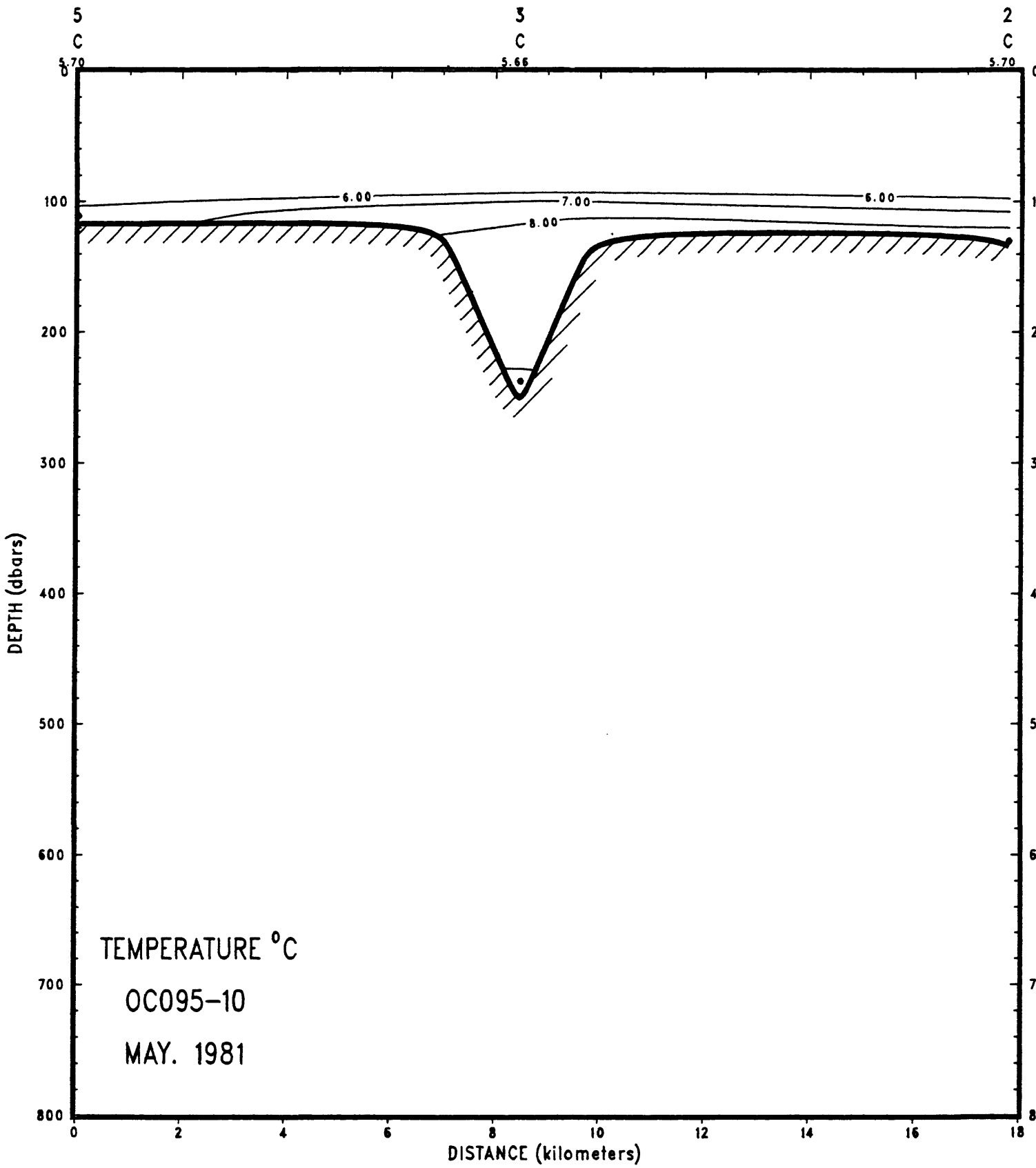

71
C
6.93
70
C
7.03
69
C
6.88
68
C
6.91
6.80
6.60
6.00
5.60
5.40
5.20
5.00
4.80
4.60
4.40
4.40
4.60
4.80
5.00
5.20
5.40
OXYGEN ml/l
OC095-8
MAY. 1981
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
0
2
4
6
8
10

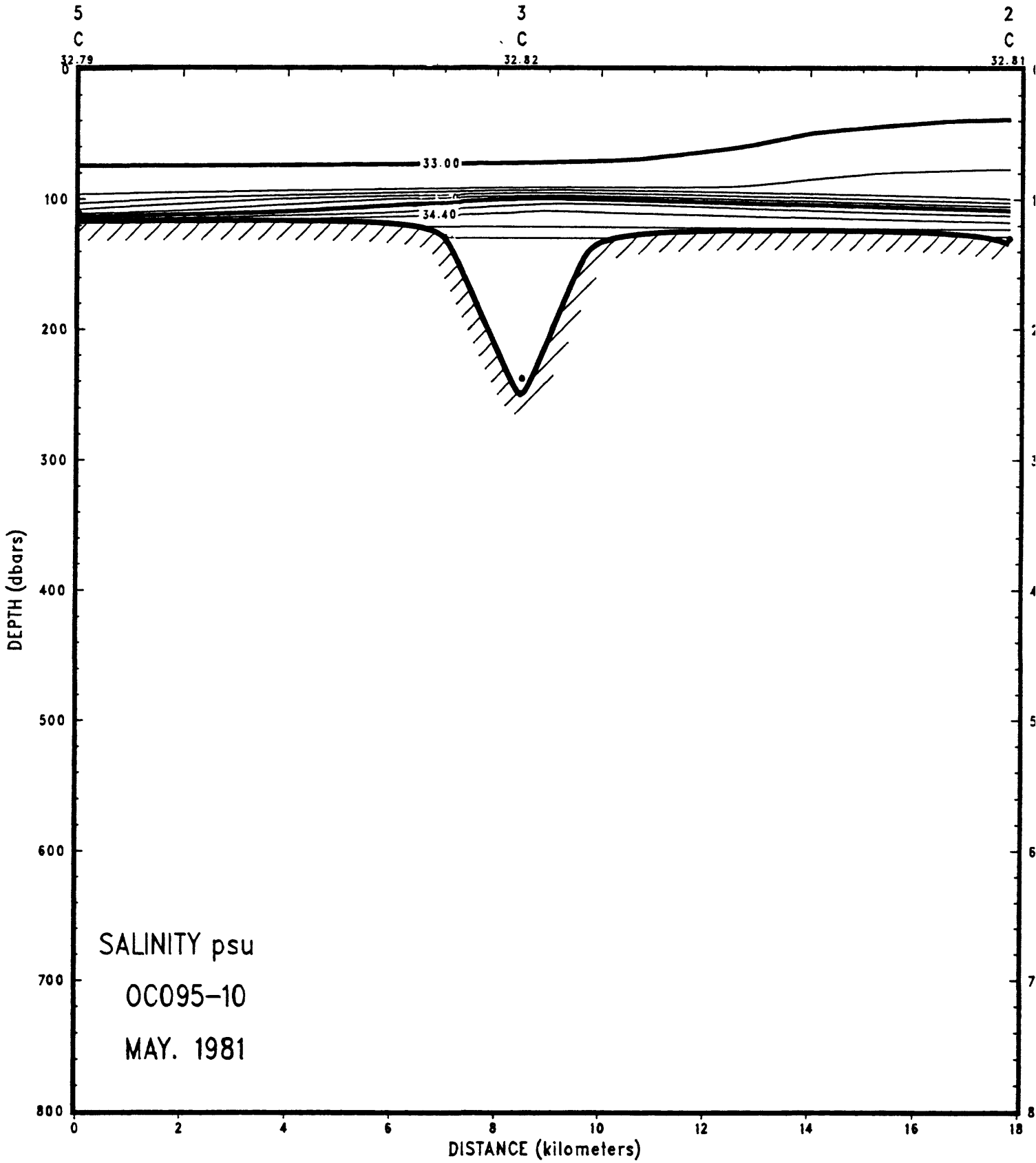

54
C
6.65
40
C
5.97
45
C
5.78
6.00
9.00
7.00
8.00
8.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
0
2
4
6
8
10
12
14
16
DISTANCE (kilometers)
TEMPERATURE °C
OC095-9
MAY. 1981

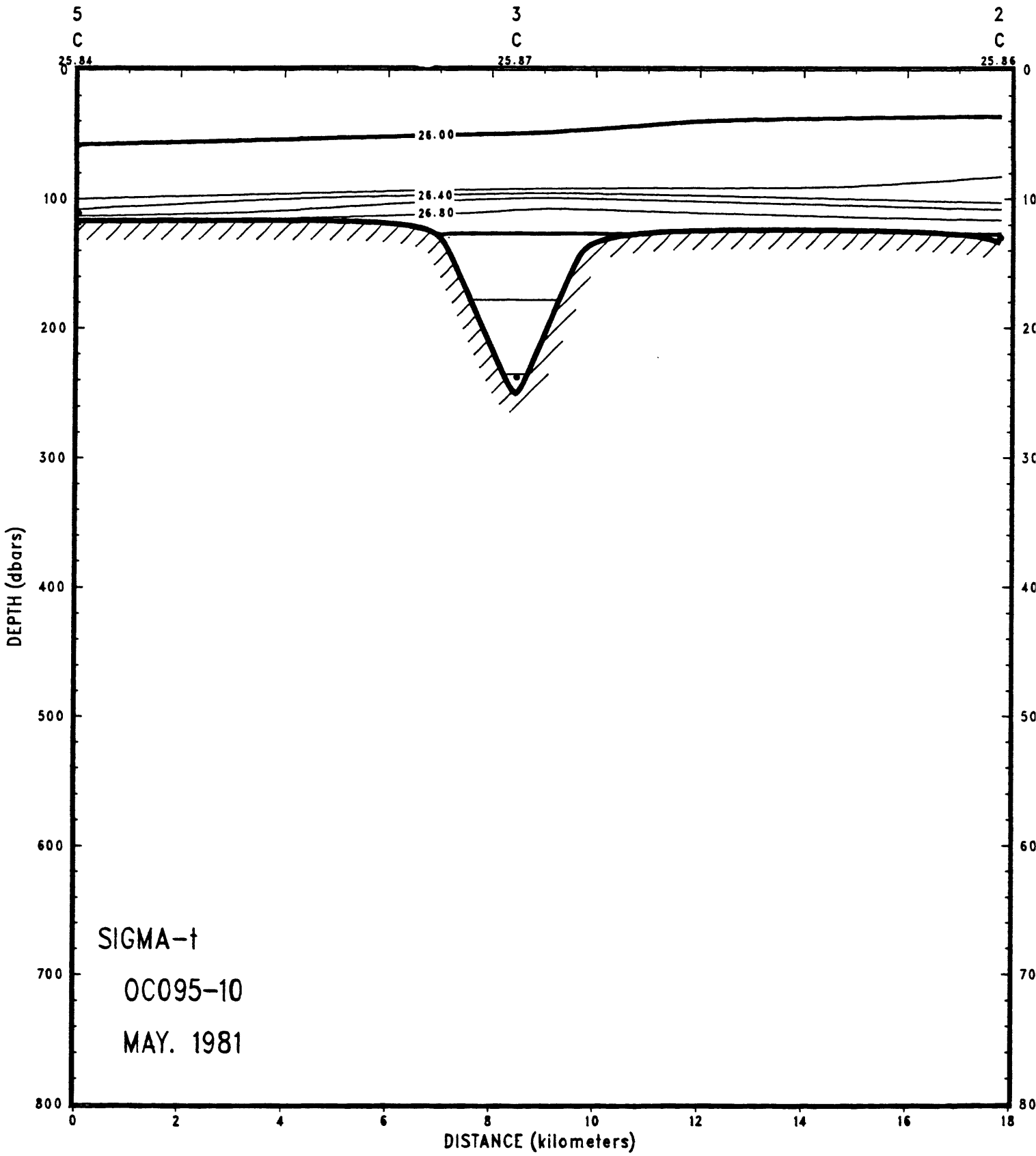

54
C
32.84
40
C
32.67
45
C
32.60
32.80
33.00
33.40
33.80
34.20
34.20
34.40
34.20
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SALINITY psu
OC095-9
MAY. 1981
0
2
4
6
8
10
12
14
16
DISTANCE (kilometers)

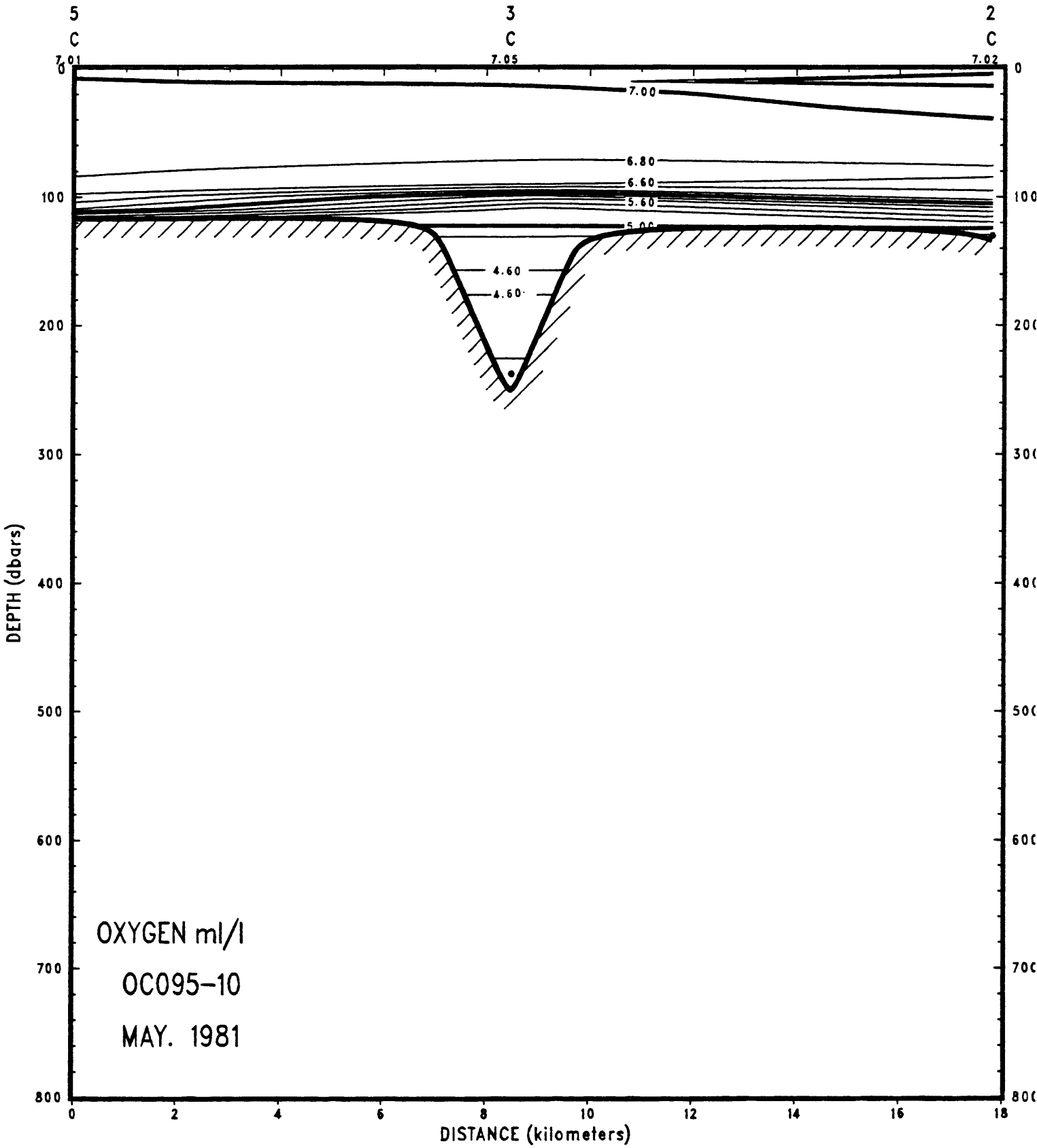

54
C
25.77
40
C
25.71
45
C
25.68
25.80
26.00
26.20
26.60
26.80
27.20
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SIGMA-t
OC095-9
MAY. 1981
0
2
4
6
8
10
12
14
16
DISTANCE (kilometers)


54
C
6.82
40
C
7.04
45
C
7.10
7.00
6.80
6.40
6.20
5.80
5.60
4.80
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
0
2
4
6
8
10
12
14
16
DISTANCE (kilometers)
OXYGEN ml/l
OC095-9
MAY. 1981


5
C
5.70
3
C
5.66
2
C
5.70
6.00
7.00
8.00
6.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
TEMPERATURE °C
OC095-10
MAY. 1981
0
2
4
6
8
10
12
14
16
18
DISTANCE (kilometers)

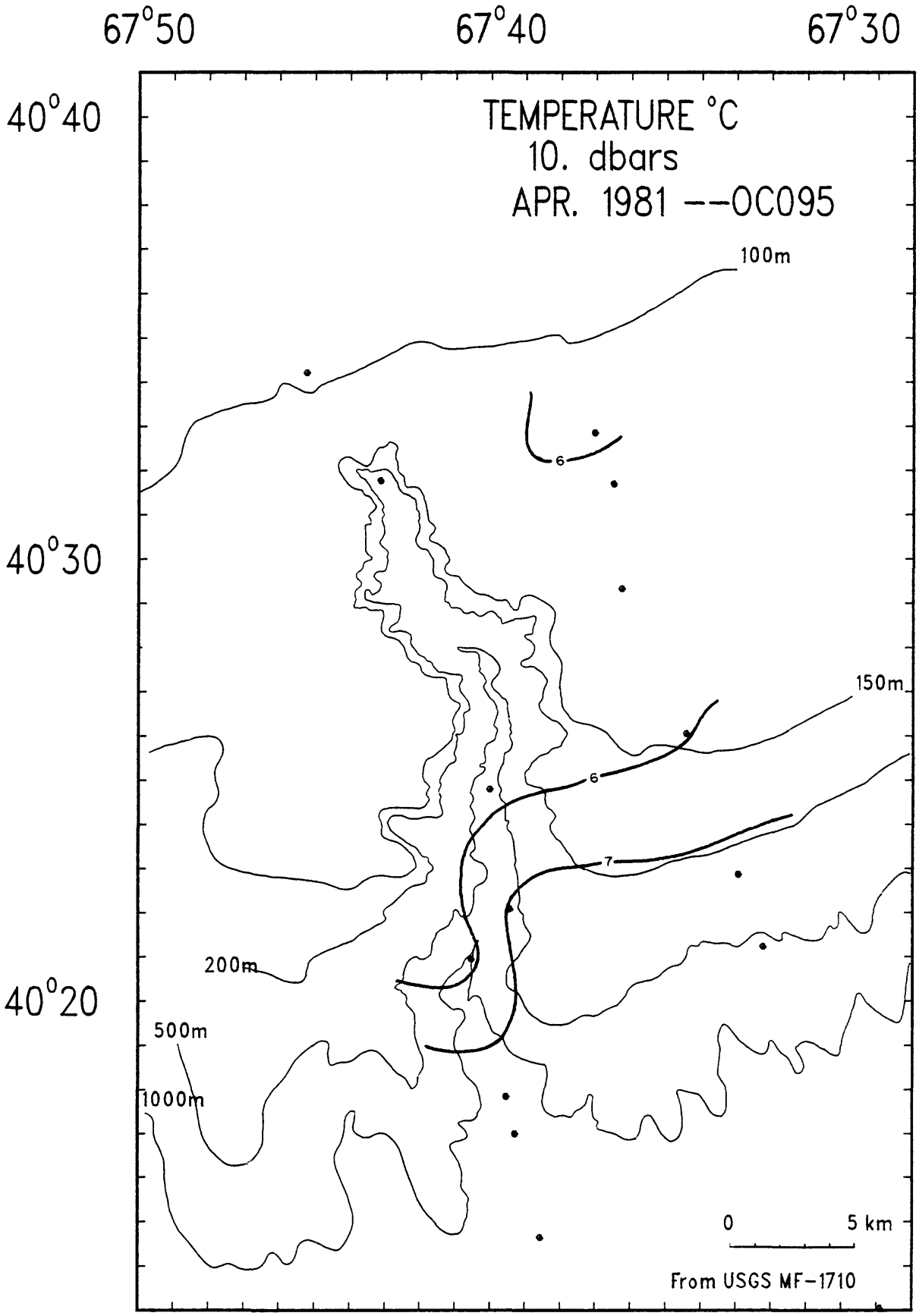

5
C
32.79
3
C
32.82
2
C
32.81
33.00
34.40
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
0
2
4
6
8
10
12
14
16
18
DISTANCE (kilometers)
SALINITY psu
OC095-10
MAY. 1981

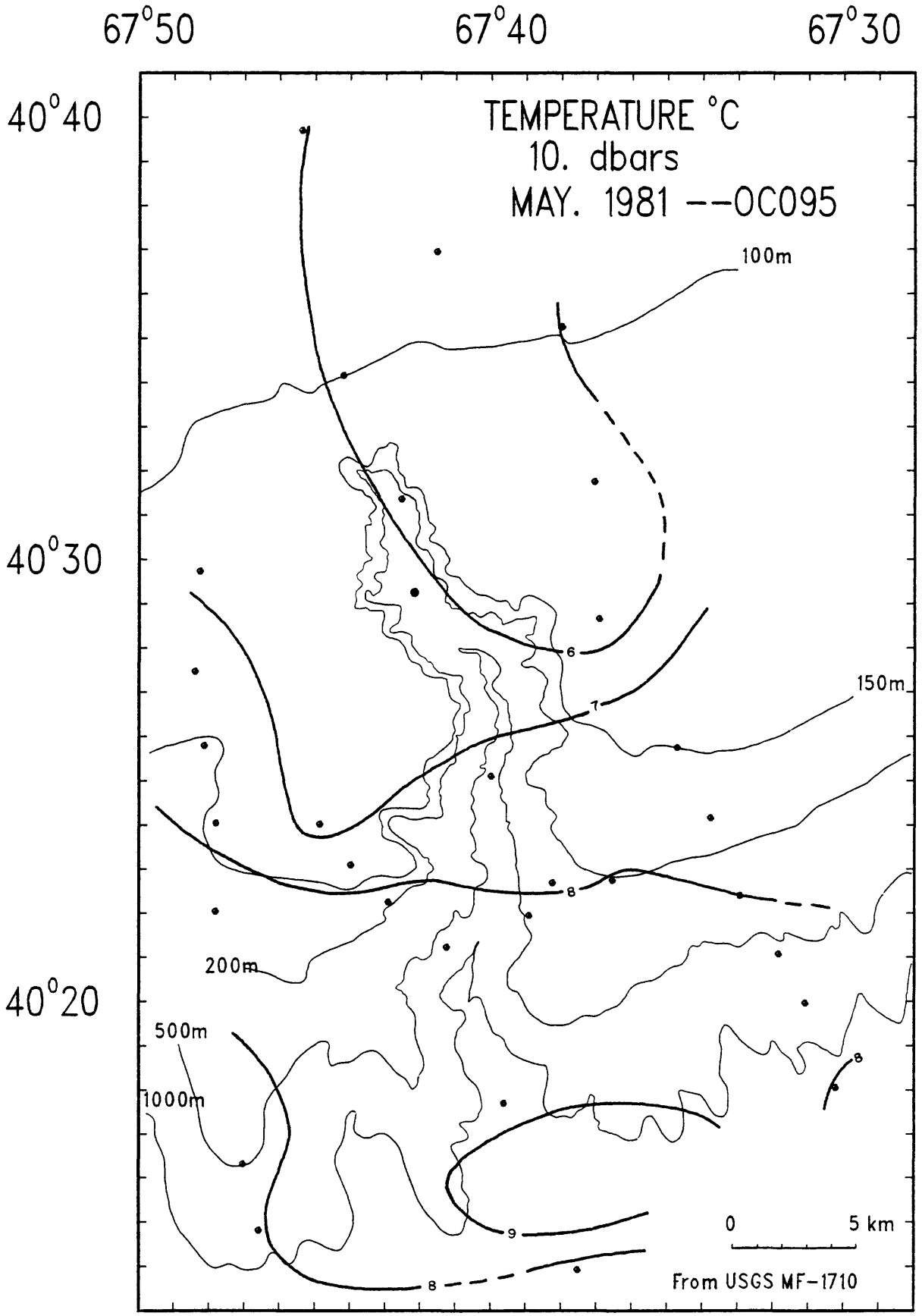

5
C
25.84
3
C
25.87
2
C
25.86
26.00
26.40
26.80
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
SIGMA-t
OC095-10
MAY. 1981
0
2
4
6
8
10
12
14
16
18
DISTANCE (kilometers)

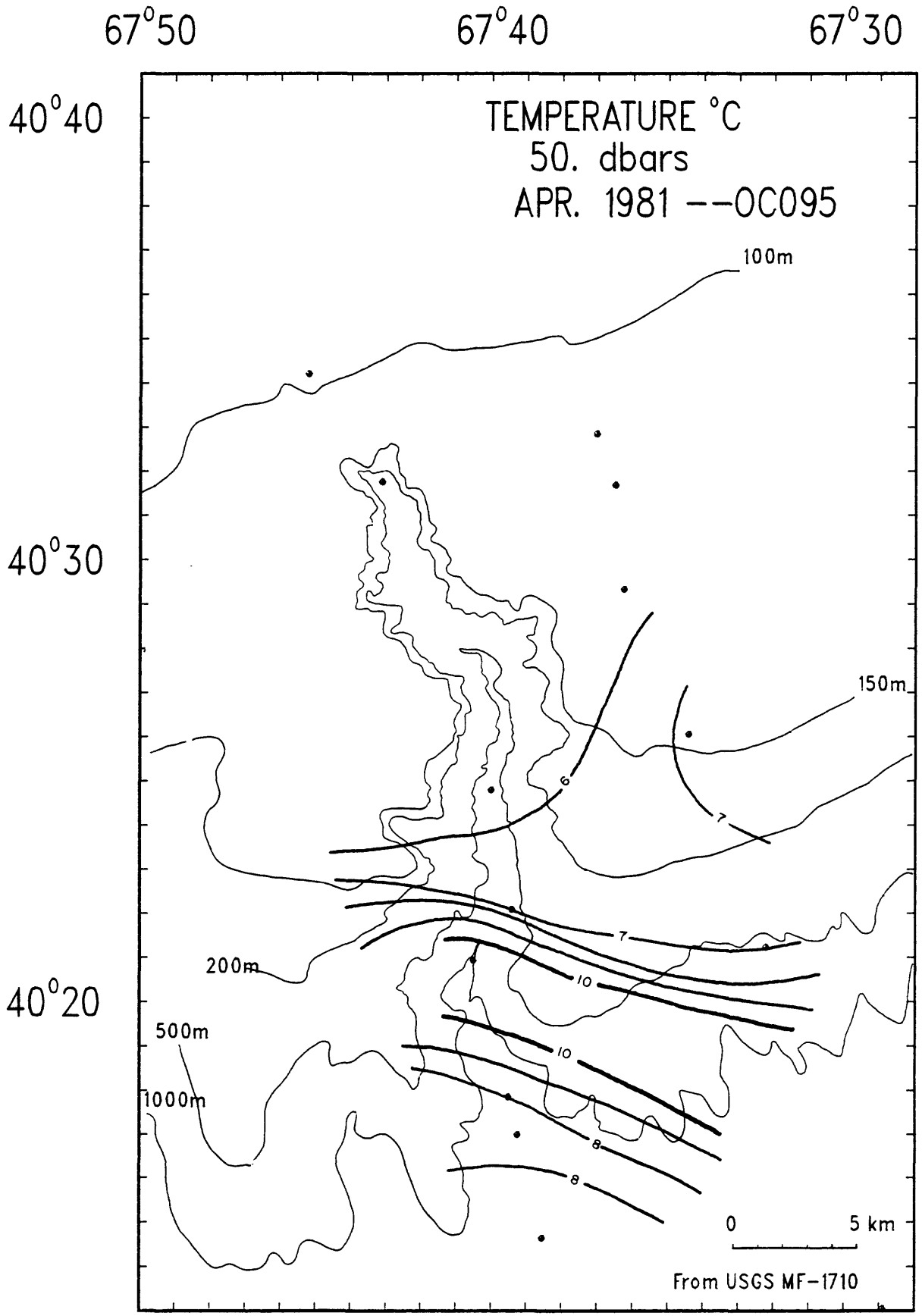

5
C
3
C
2
C
7.01
7.05
7.02
7.00
6.80
6.60
5.60
5.00
4.60
4.60
DEPTH (dbars)
DISTANCE (kilometers)
OXYGEN ml/l
OC095-10
MAY. 1981

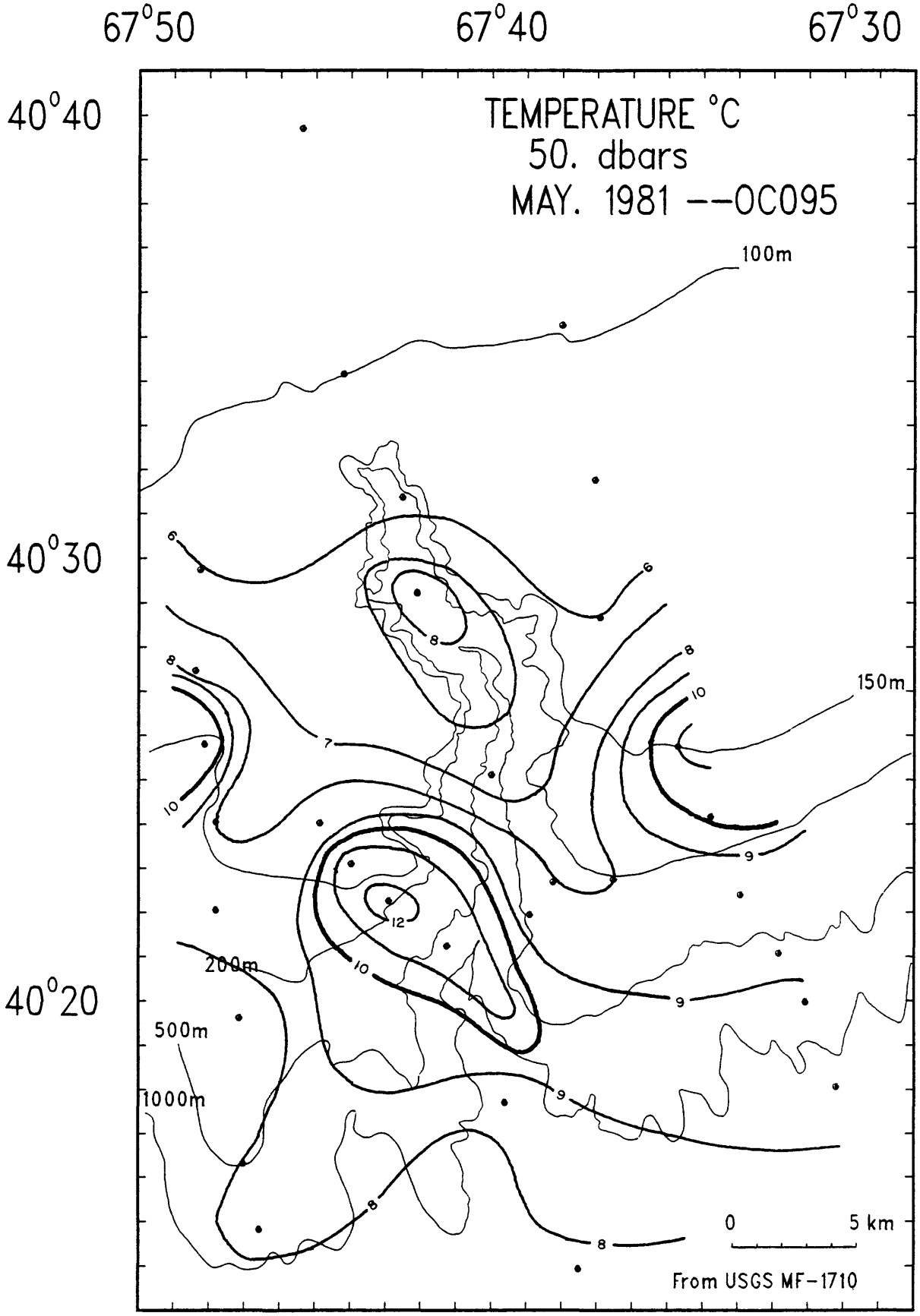
Horizontal sections

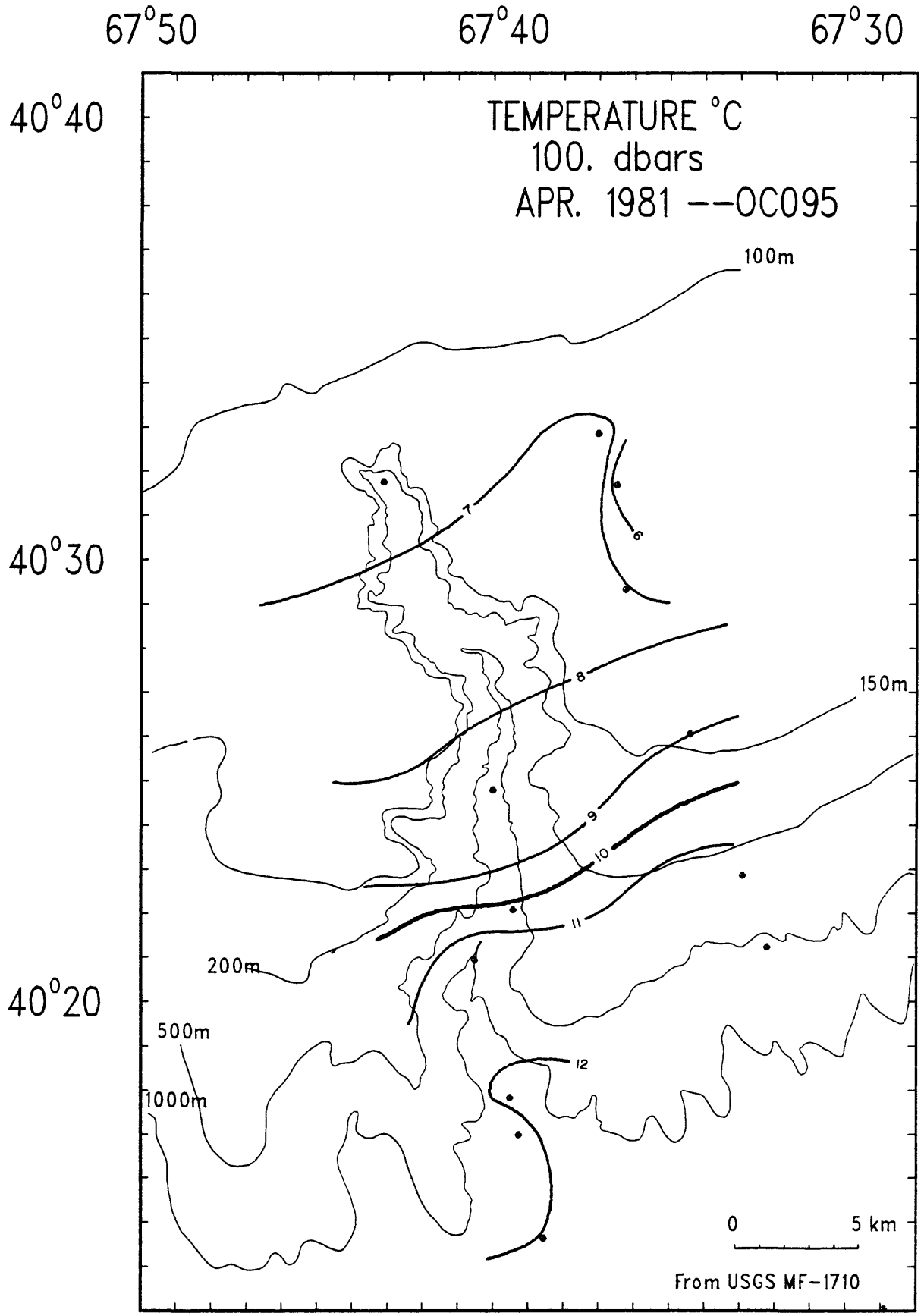
Horizontal sections were constructed on the 10-, 50-, 100-, and 200-dbar pressure surfaces for temperature, salinity, density and oxygen. Dots indicate the location of stations that were used in contouring the section and all sections were contoured by hand due to the sparse data. The temperature sections for April include stations 1-23 occupied between April 24-27, 1981 and the temperature section for May include stations 39-73 occupied between May 3-5, 1986.

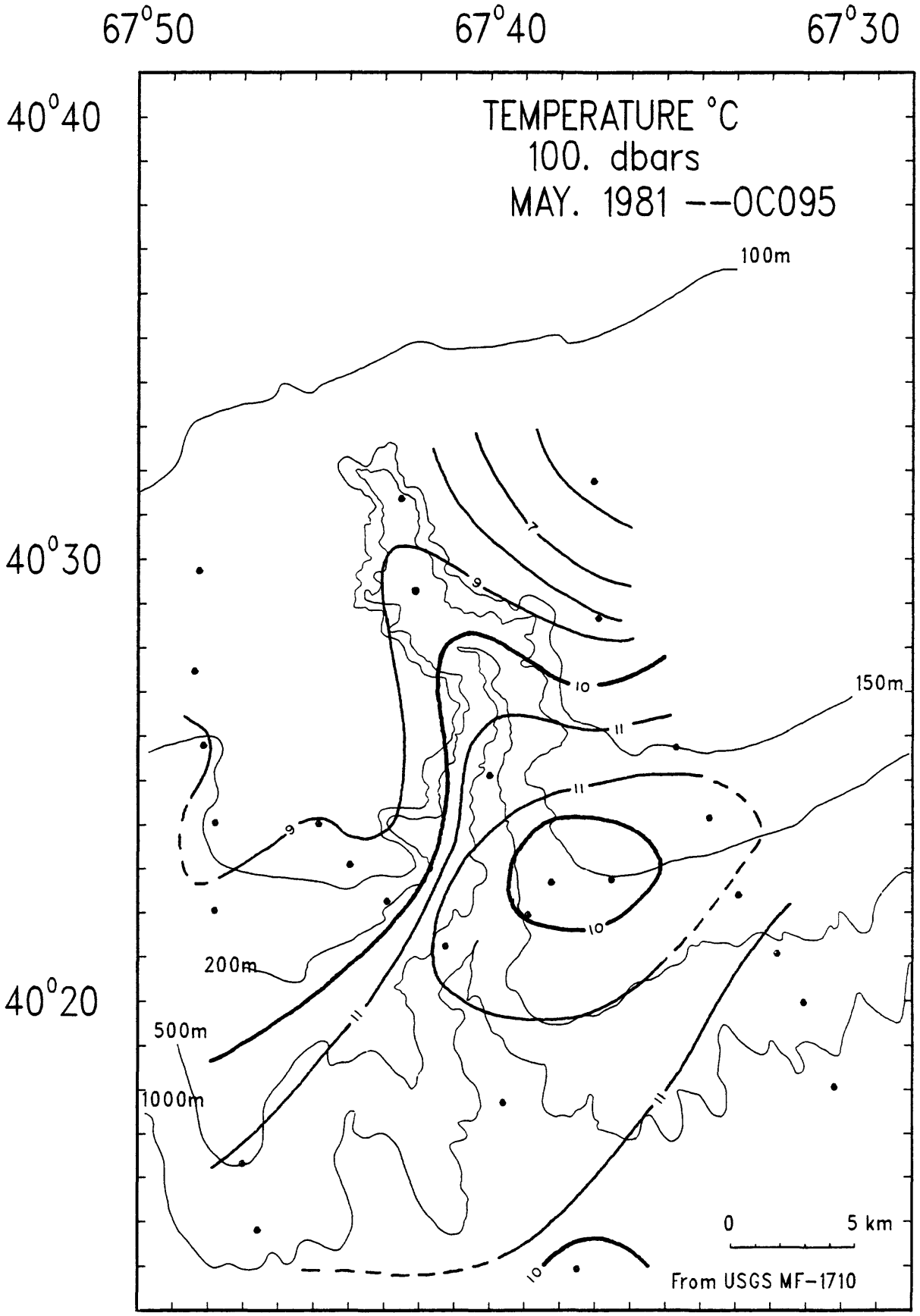

67°50
67°40
67°30
40°40
40°30
40°20
TEMPERATURE °C
10. dbars
APR. 1981 --OC095
100m
6
150m
6
7
200m
500m
1000m
0
5 km
From USGS MF-1710

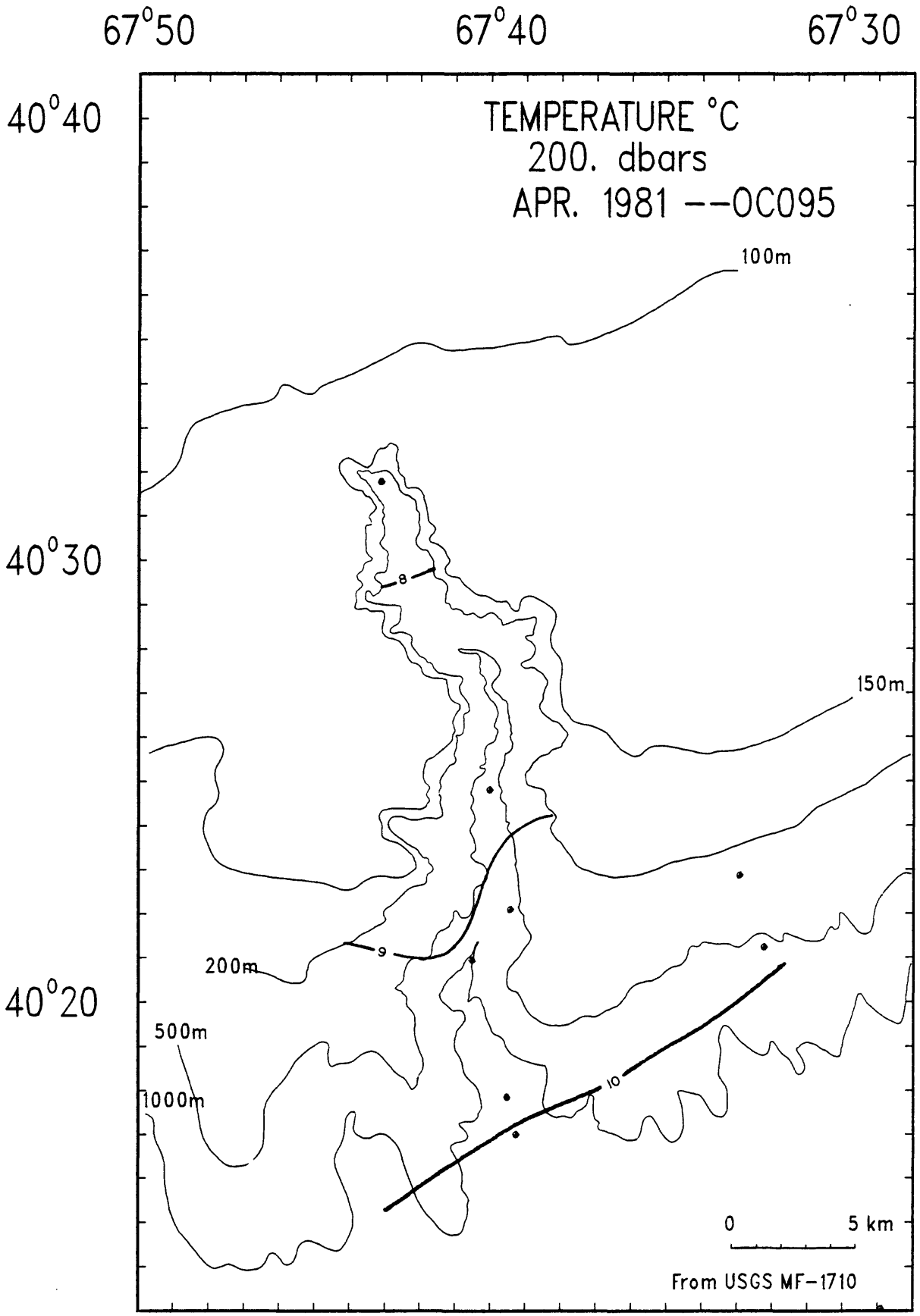

67°50
67°40
67°30
40°40
40°30
40°20
TEMPERATURE °C
10. dbars
MAY. 1981 --OC095
100m
150m
200m
500m
1000m
6
7
8
9
0
5 km
From USGS MF-1710

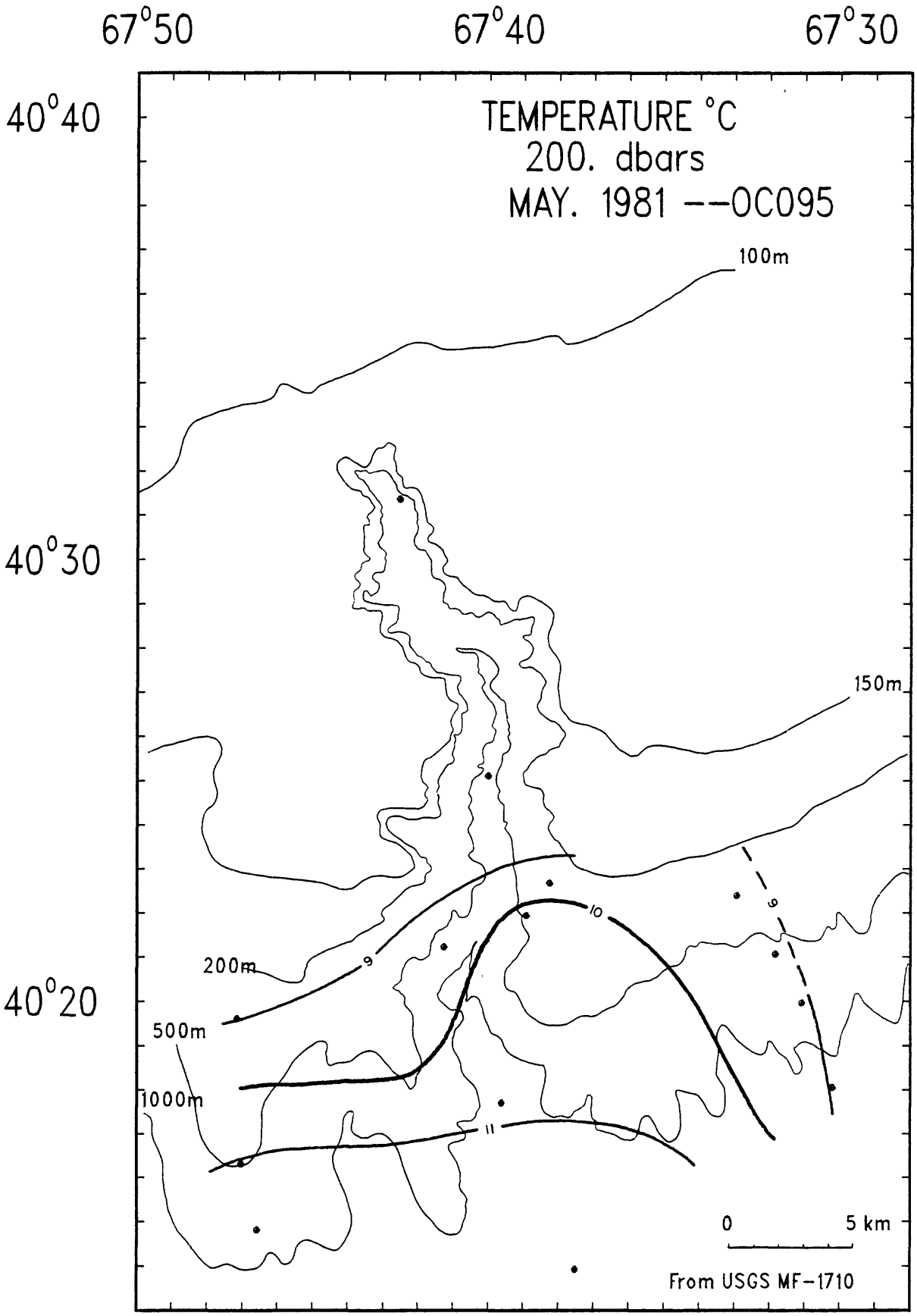

67°50
67°40
67°30
40°40
40°30
40°20
TEMPERATURE °C
50. dbars
APR. 1981 --OC095
100m
150m
200m
500m
1000m
6
7
7
10
10
8
8
0
5 km
From USGS MF-1710

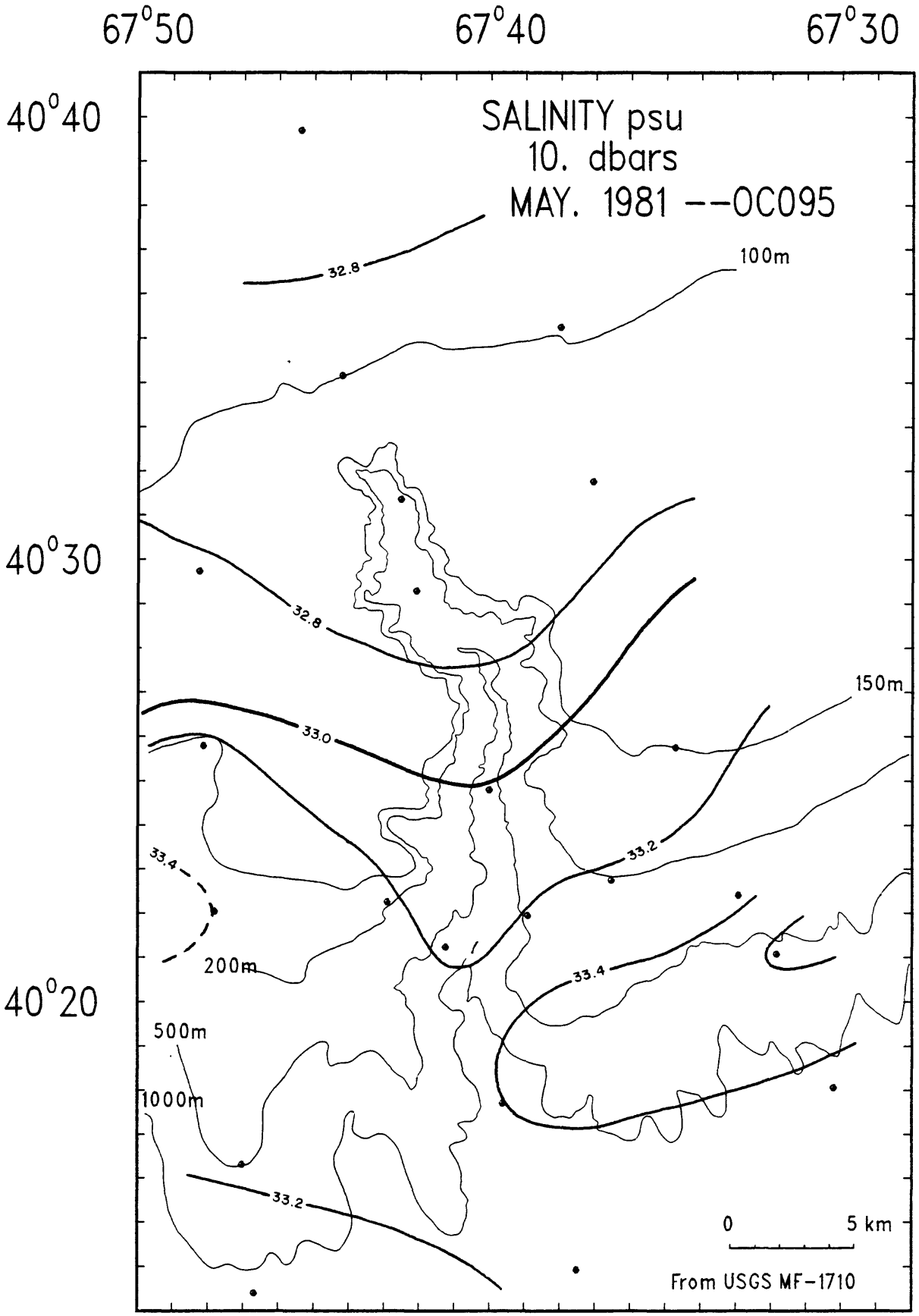

67°50
67°40
67°30
40°40
40°30
40°20
TEMPERATURE °C
50. dbars
MAY. 1981 --OC095
100m
150m
200m
500m
1000m
6
8
7
10
12
9
0
5 km
From USGS MF-1710

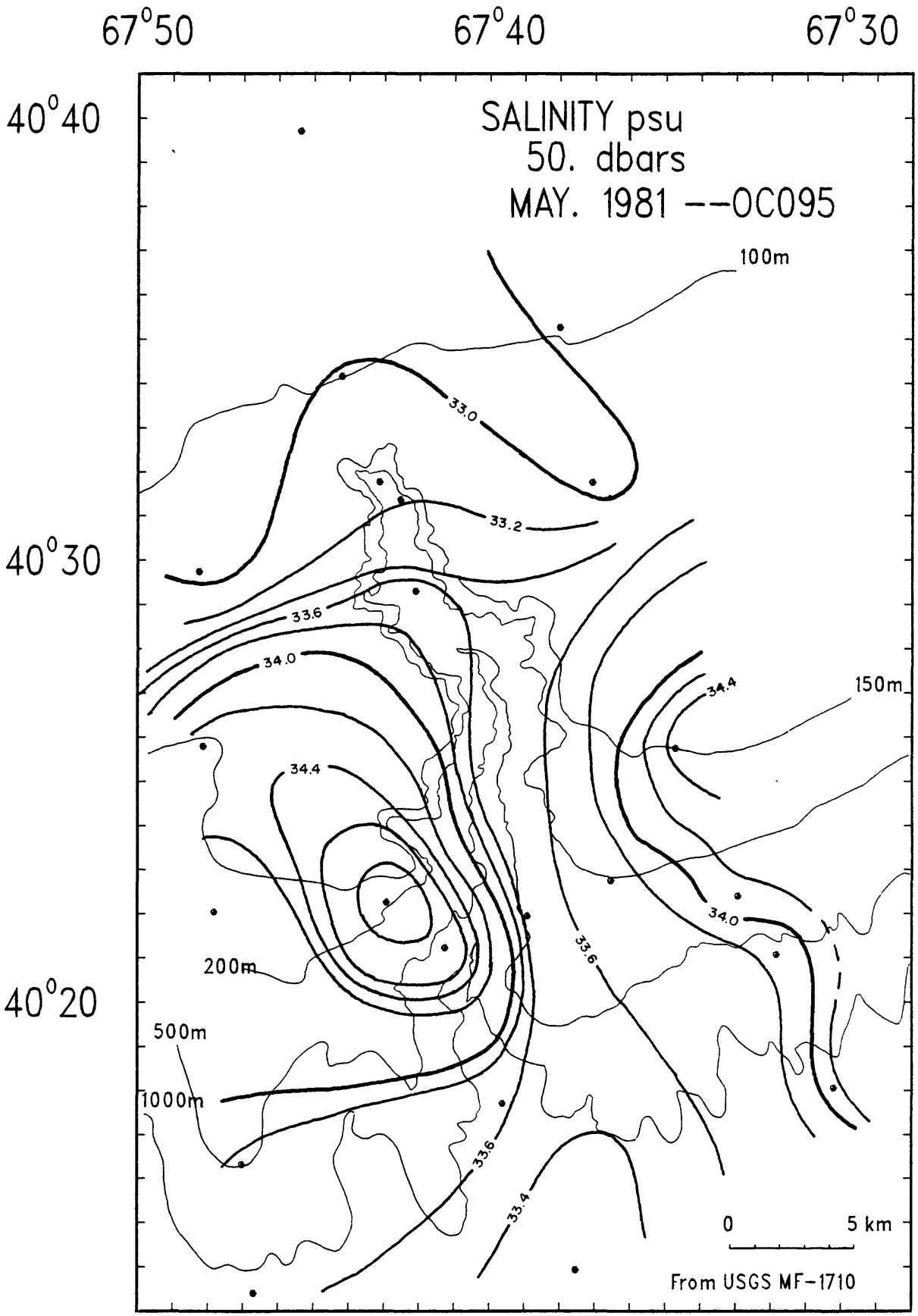

67°50
67°40
67°30
40°40
40°30
40°20
TEMPERATURE °C
100. dbars
APR. 1981 --OC095
100m
150m
200m
500m
1000m
7
6
8
9
10
11
12
0
5 km
From USGS MF-1710

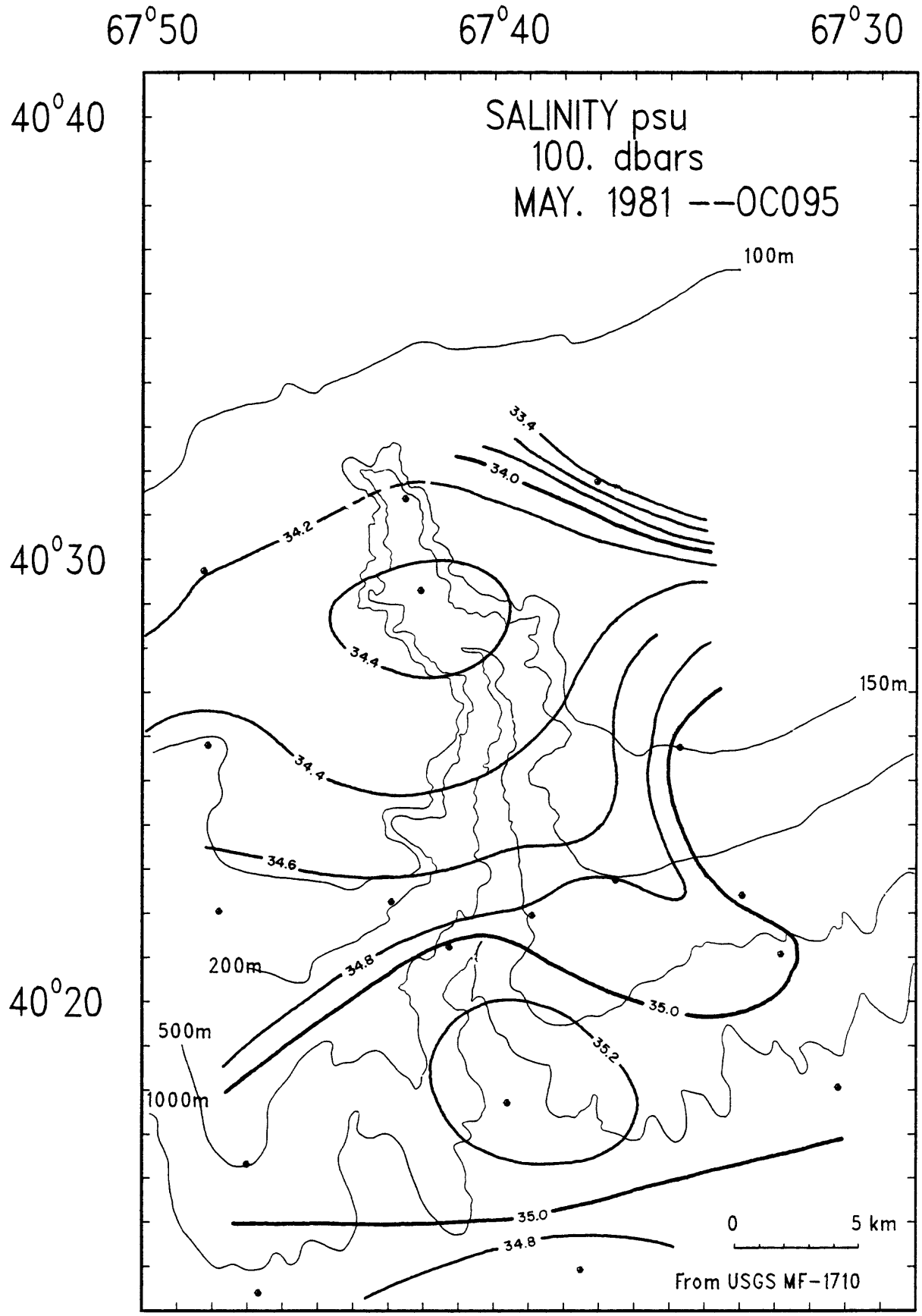

67°50
67°40
67°30
40°40
40°30
40°20
TEMPERATURE °C
100. dbars
MAY. 1981 --OC095
100m
150m
200m
500m
1000m
7
9
10
11
11
9
10
11
10
0
5 km
From USGS MF-1710

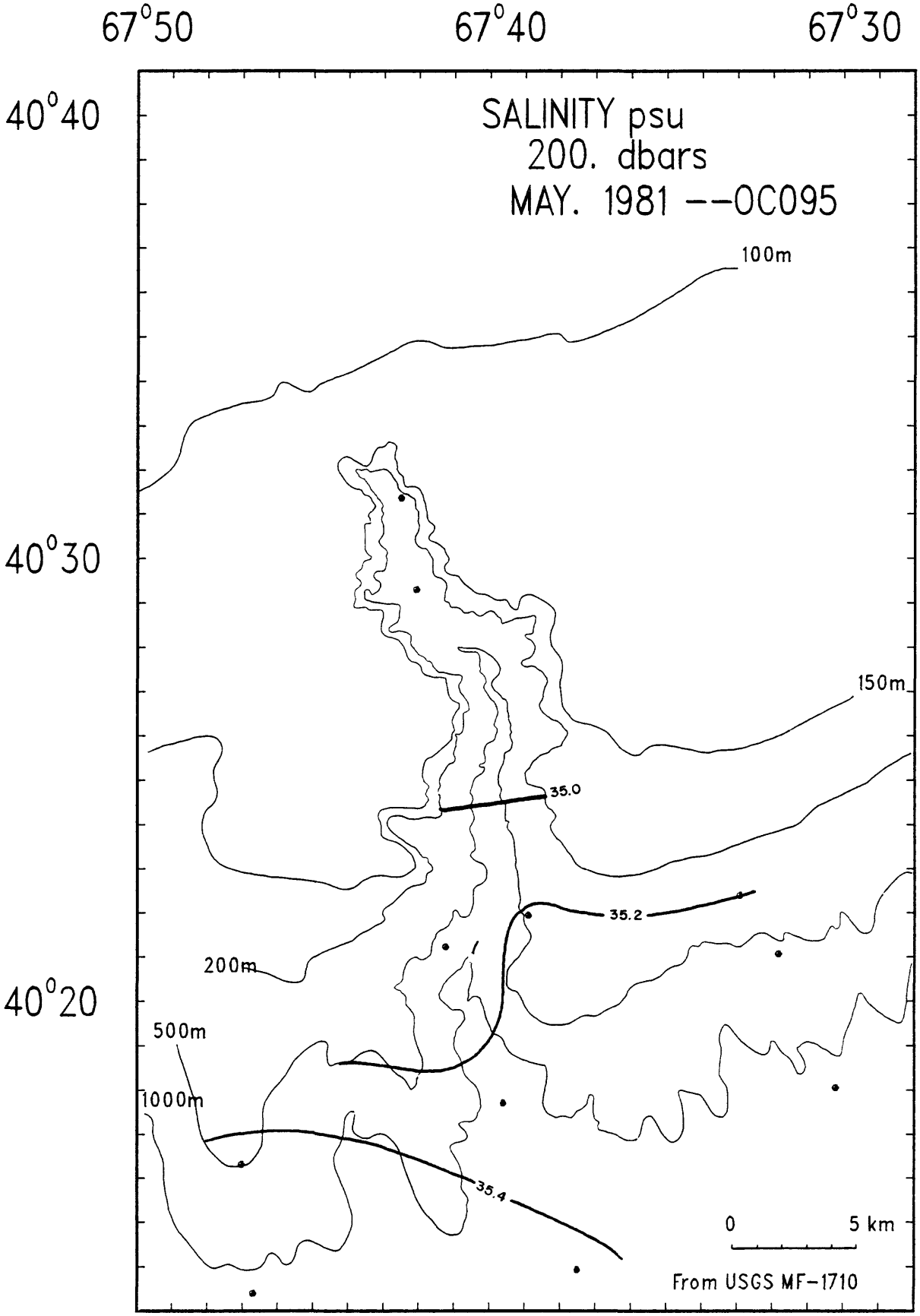

67°50
67°40
67°30
40°40
40°30
40°20
TEMPERATURE °C
200. dbars
APR. 1981 --OC095
100m
150m
200m
500m
1000m
8
9
10
0
5 km
From USGS MF-1710

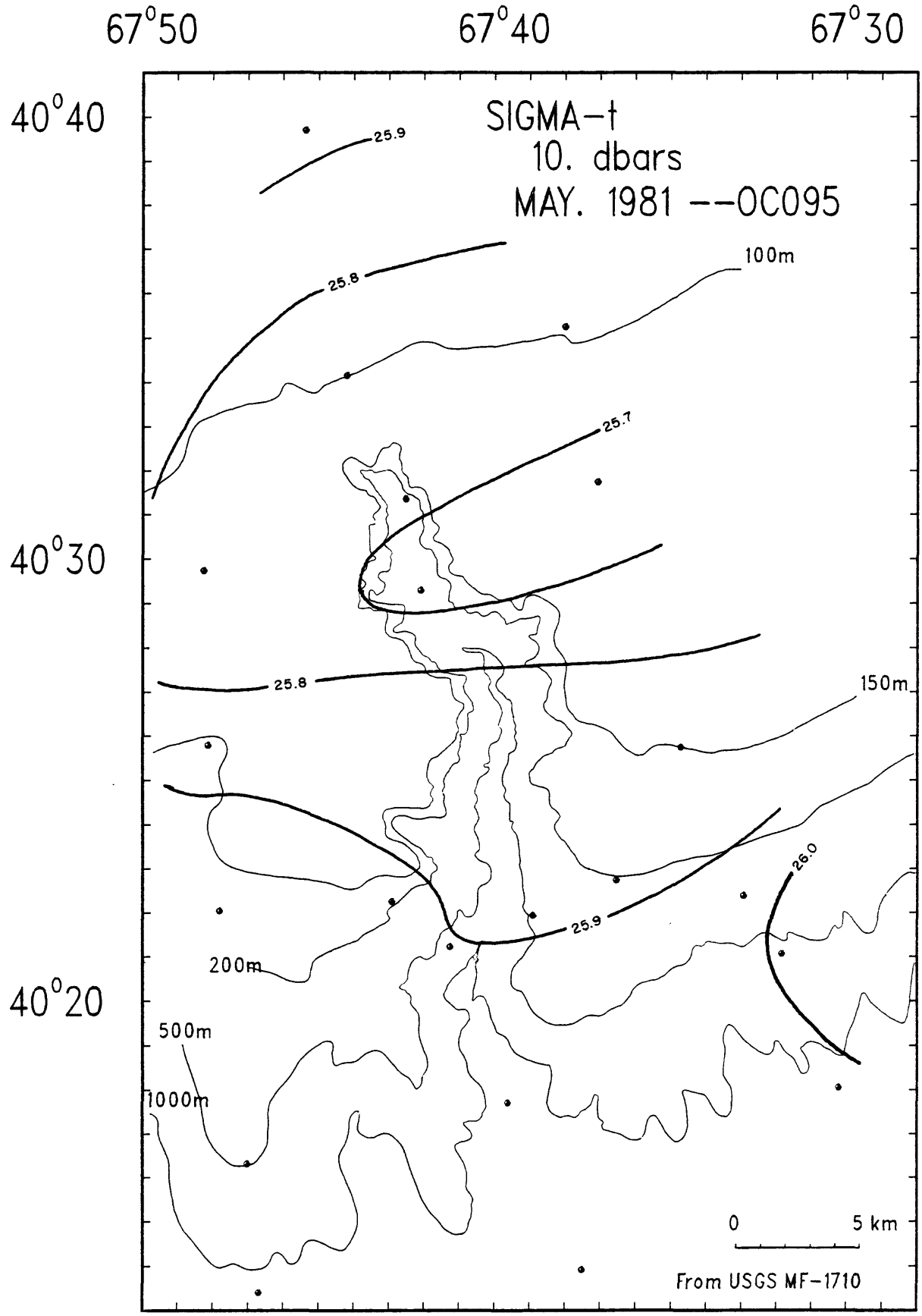

67°50
67°40
67°30
40°40
40°30
40°20
TEMPERATURE °C
200. dbars
MAY. 1981 --OC095
100m
150m
200m
500m
1000m
9
10
11
0
5 km
From USGS MF-1710

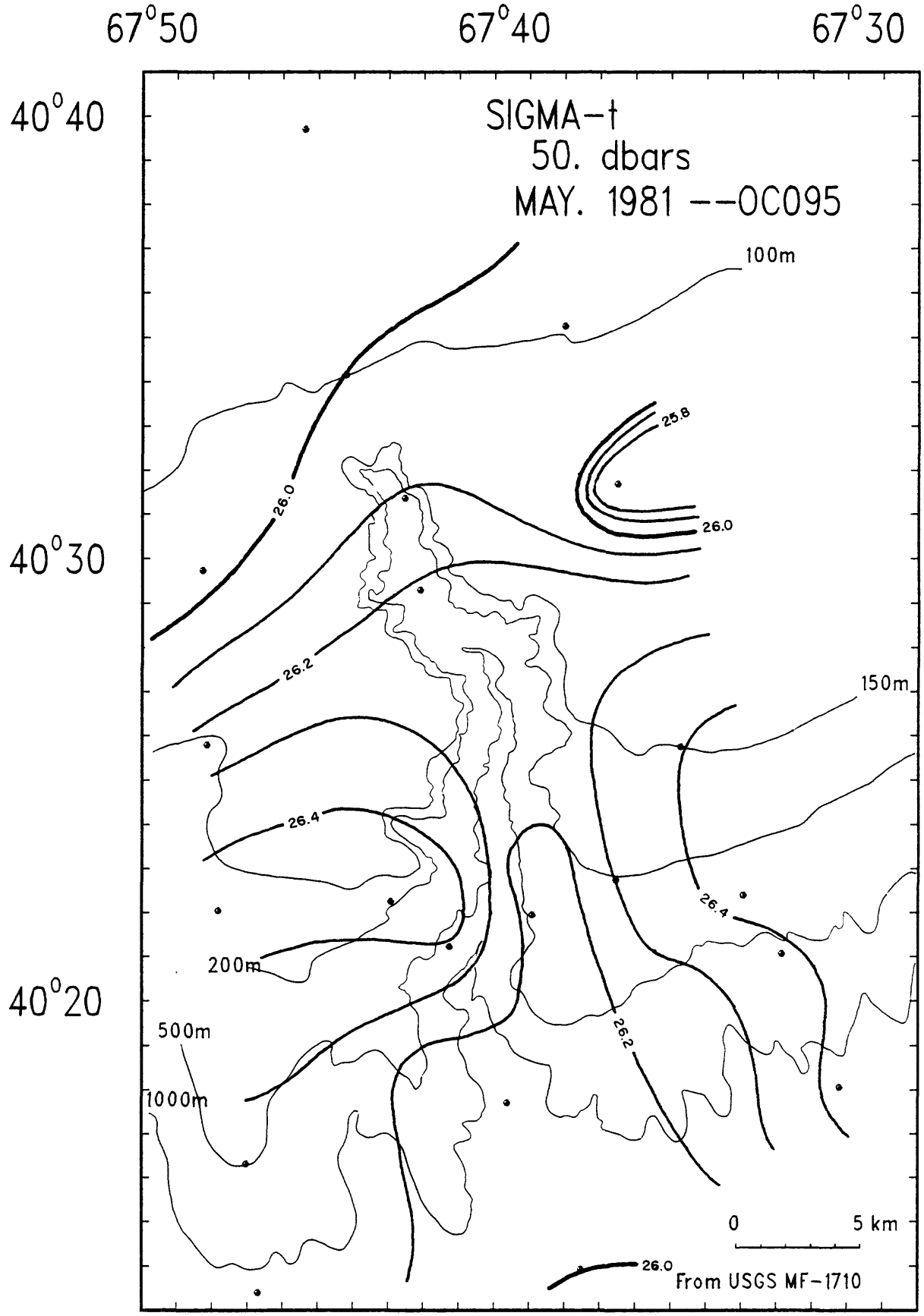

67°50
67°40
67°30
40°40
40°30
40°20
SALINITY psu
10. dbars
MAY. 1981 --OC095
32.8
100m
32.8
150m
33.0
33.2
33.4
200m
33.4
500m
1000m
33.2
0
5 km
From USGS MF-1710

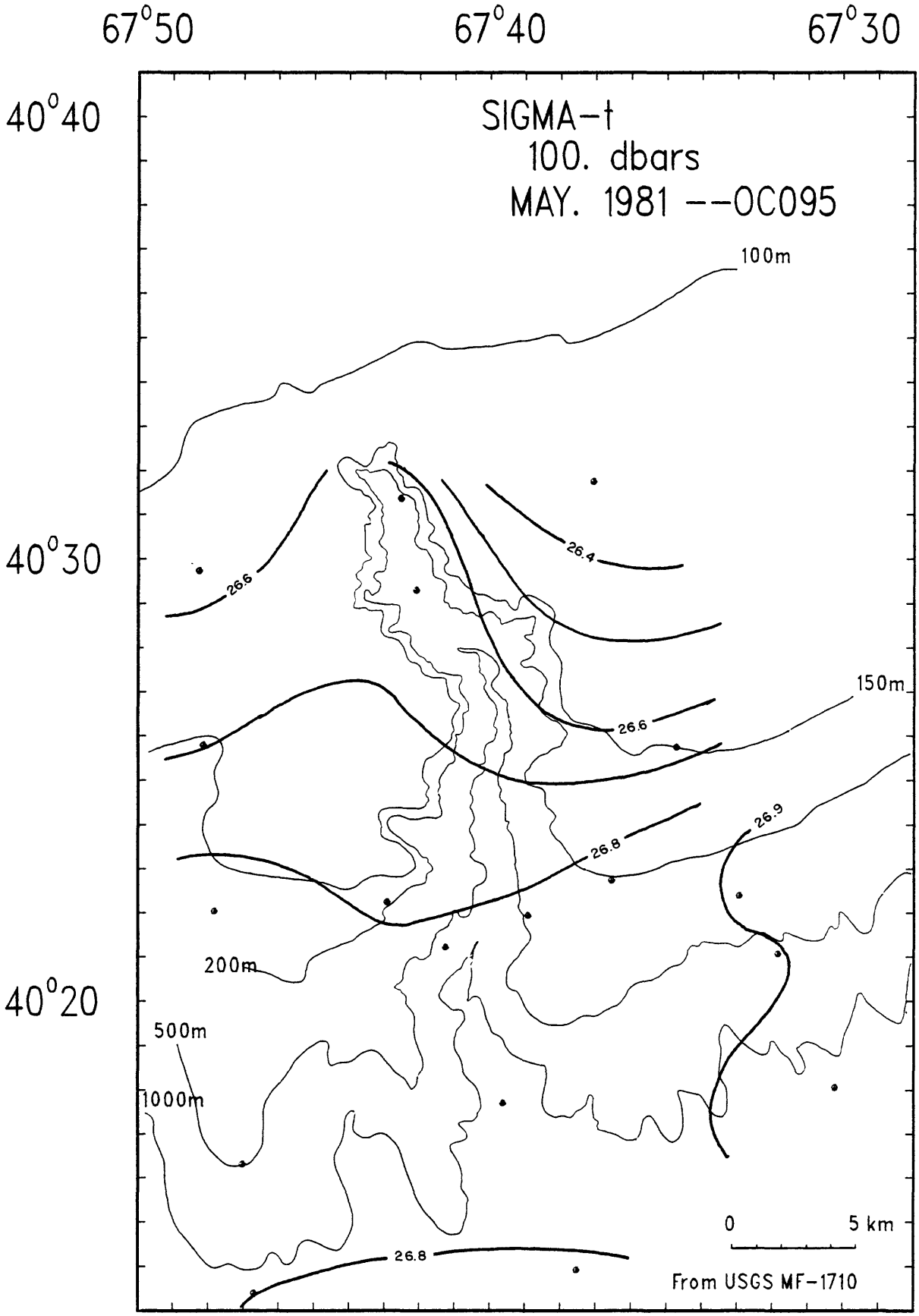

67°50
67°40
67°30
40°40
40°30
40°20
SALINITY psu
50. dbars
MAY. 1981 --OC095
100m
150m
200m
500m
1000m
33.0
33.2
33.6
34.0
34.4
34.4
34.0
33.6
33.6
33.4
0
5 km
From USGS MF-1710

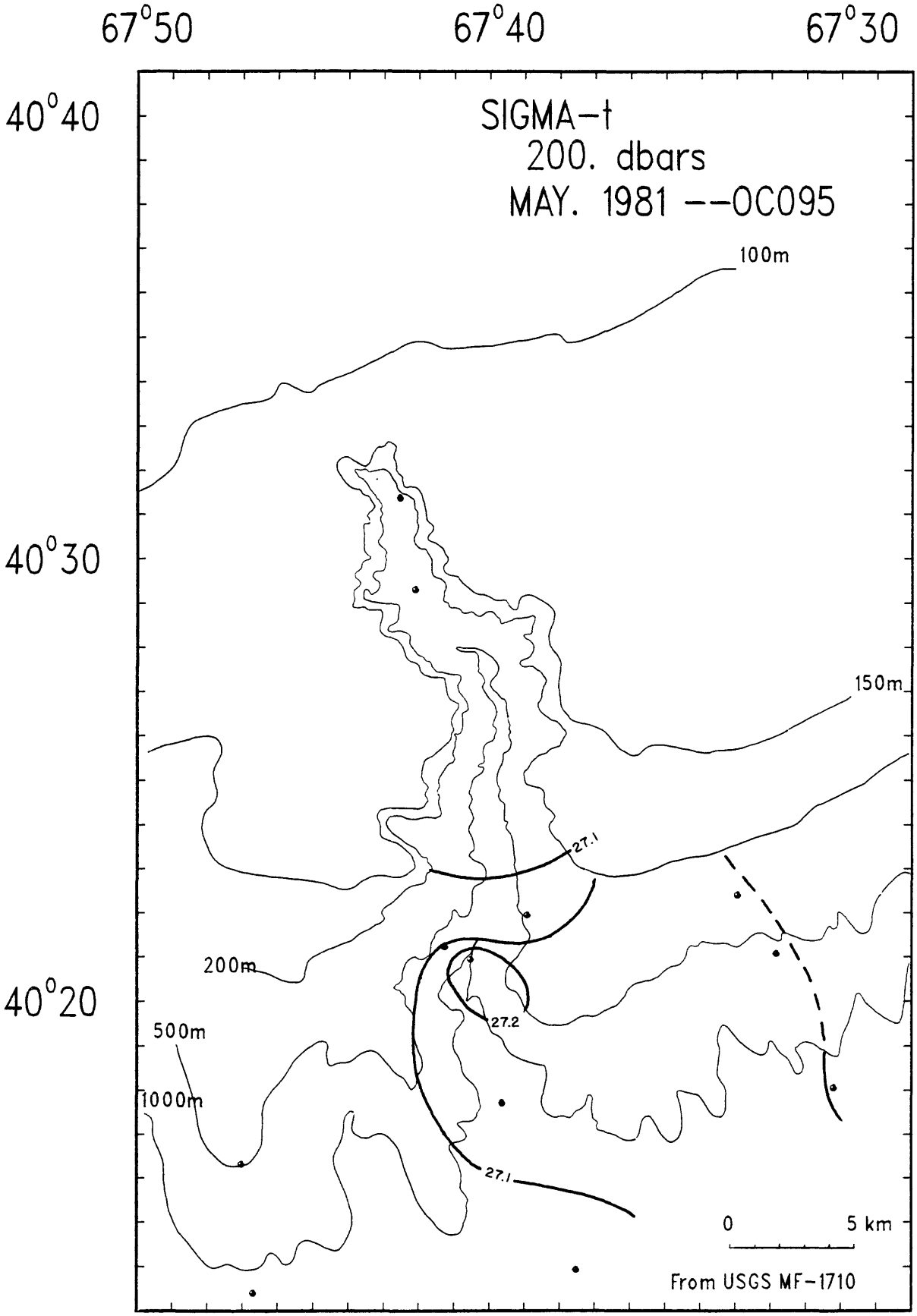

67°50
67°40
67°30
40°40
40°30
40°20
SALINITY psu
100. dbars
MAY. 1981 --OC095
100m
150m
200m
500m
1000m
33.4
34.0
34.2
34.4
34.4
34.6
34.8
35.0
35.2
35.0
34.8
0
5 km
From USGS MF-1710

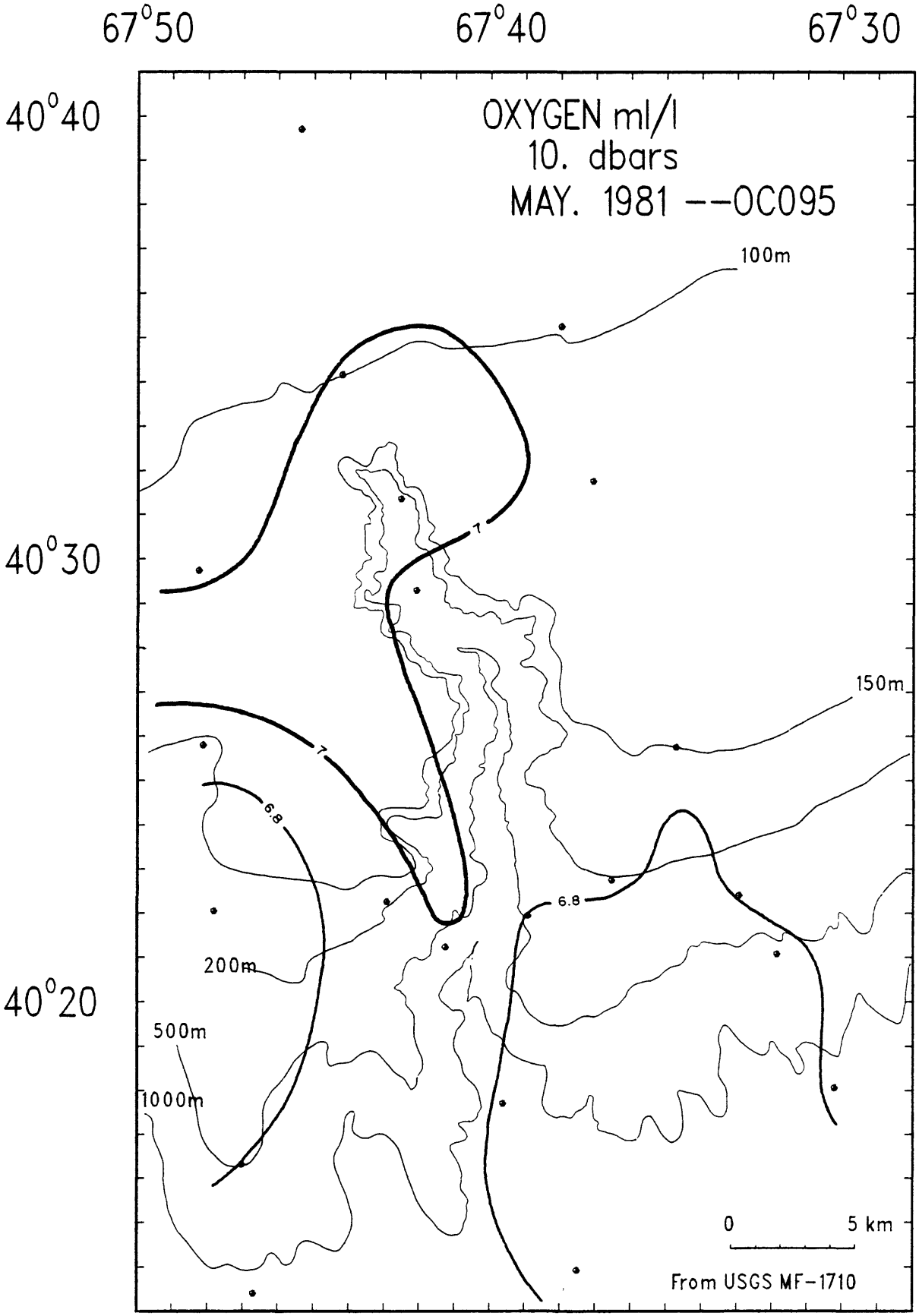

67°50
67°40
67°30
40°40
40°30
40°20
SALINITY psu
200. dbars
MAY. 1981 --OC095
100m
150m
200m
500m
1000m
35.0
35.2
35.4
0
5 km
From USGS MF-1710

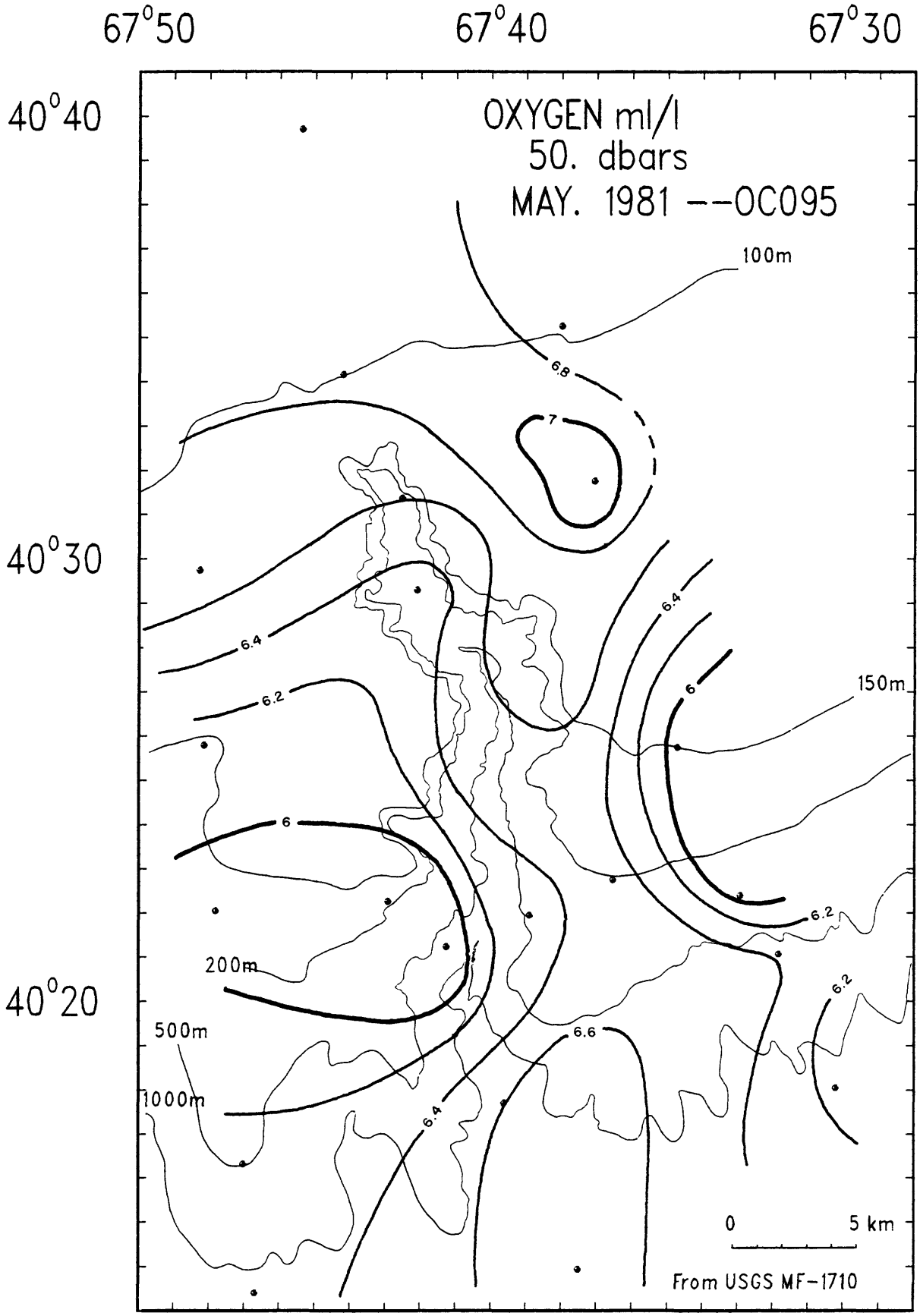

67°50
67°40
67°30
40°40
40°30
40°20
SIGMA-t
10. dbars
MAY. 1981 --OC095
25.9
25.8
25.7
25.8
25.9
26.0
100m
150m
200m
500m
1000m
0
5 km
From USGS MF-1710

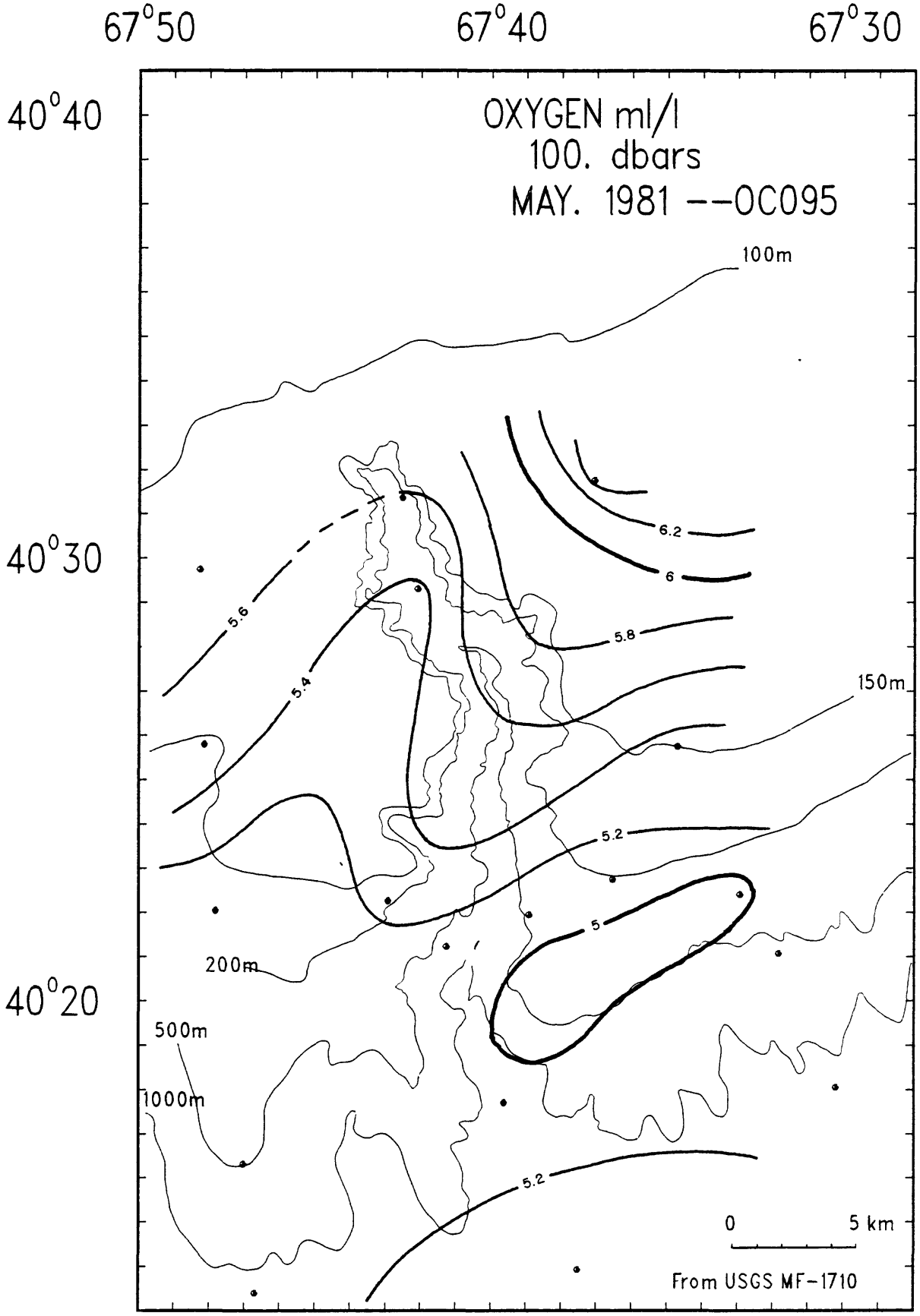

67°50
67°40
67°30
40°40
40°30
40°20
SIGMA-t
50. dbars
MAY. 1981 --OC095
100m
25.8
26.0
26.0
26.2
150m
26.4
26.4
200m
500m
1000m
26.2
0
5 km
26.0
From USGS MF-1710

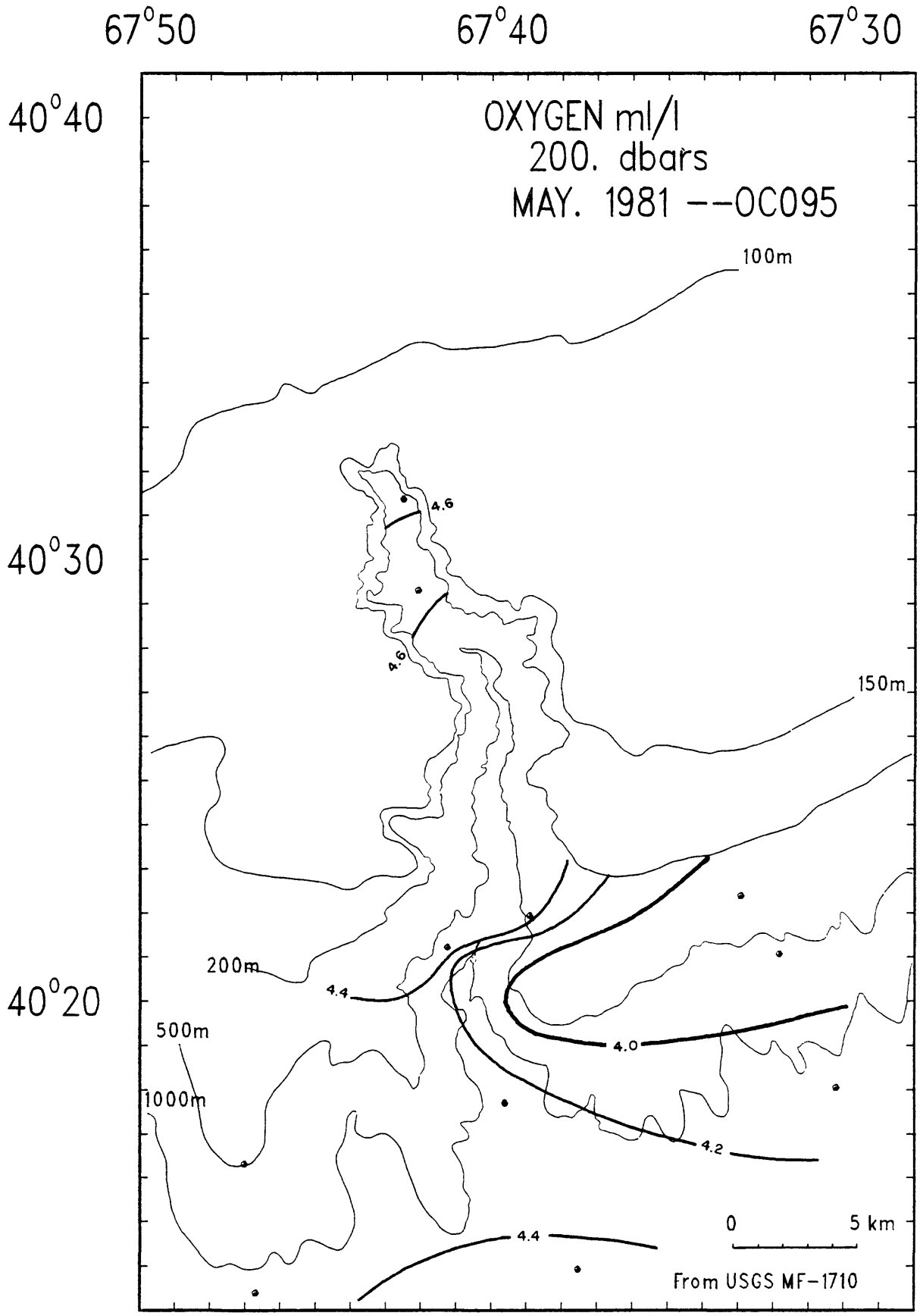

67°50
67°40
67°30
40°40
40°30
40°20
SIGMA-t
100. dbars
MAY. 1981 --OC095
100m
150m
200m
500m
1000m
26.4
26.6
26.6
26.8
26.9
26.8
0
5 km
From USGS MF-1710


67°50
67°40
67°30
40°40
40°30
40°20
SIGMA-t
200. dbars
MAY. 1981 --OC095
100m
150m
200m
500m
1000m
27.1
27.2
27.1
0
5 km
From USGS MF-1710


67°50
67°40
67°30
40°40
40°30
40°20
OXYGEN ml/l
10. dbars
MAY. 1981 --OC095
100m
150m
200m
500m
1000m
7
6.8
0
5 km
From USGS MF-1710


67°50
67°40
67°30
40°40
40°30
40°20
OXYGEN ml/l
50. dbars
MAY. 1981 --OC095
100m
150m
200m
500m
1000m
6.8
7
6.4
6.2
6
6.6
0
5 km
From USGS MF-1710

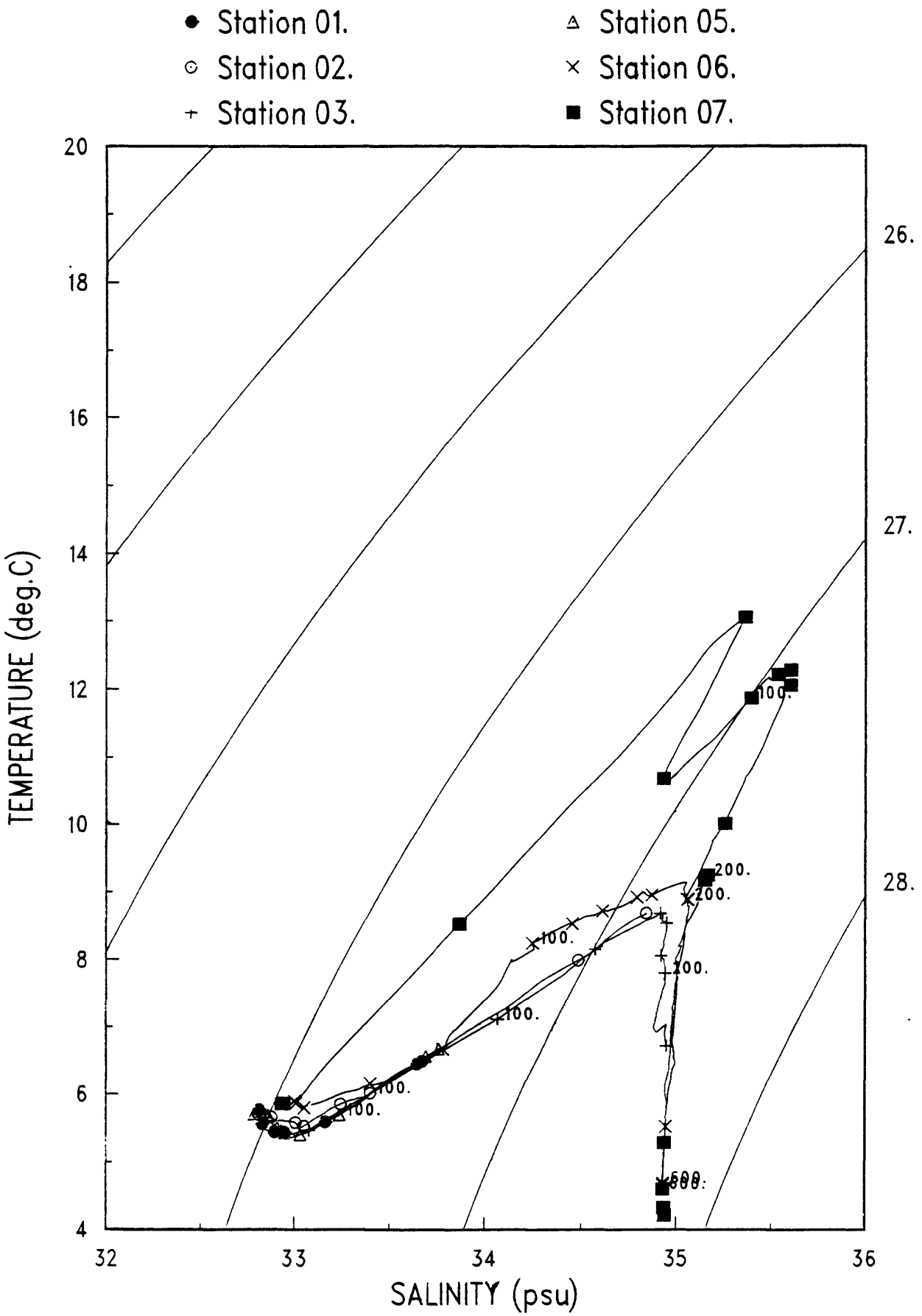

67°50
67°40
67°30
40°40
40°30
40°20
OXYGEN ml/l
100. dbars
MAY. 1981 --OC095
100m
150m
200m
500m
1000m
6.2
6
5.8
5.6
5.4
5.2
5
5.2
0
5 km
From USGS MF-1710


67°50
67°40
67°30
40°40
40°30
40°20
OXYGEN ml/l
200. dbars
MAY. 1981 --OC095
100m
150m
200m
500m
1000m
4.6
4.6
4.4
4.0
4.2
4.4
0
5 km
From USGS MF-1710

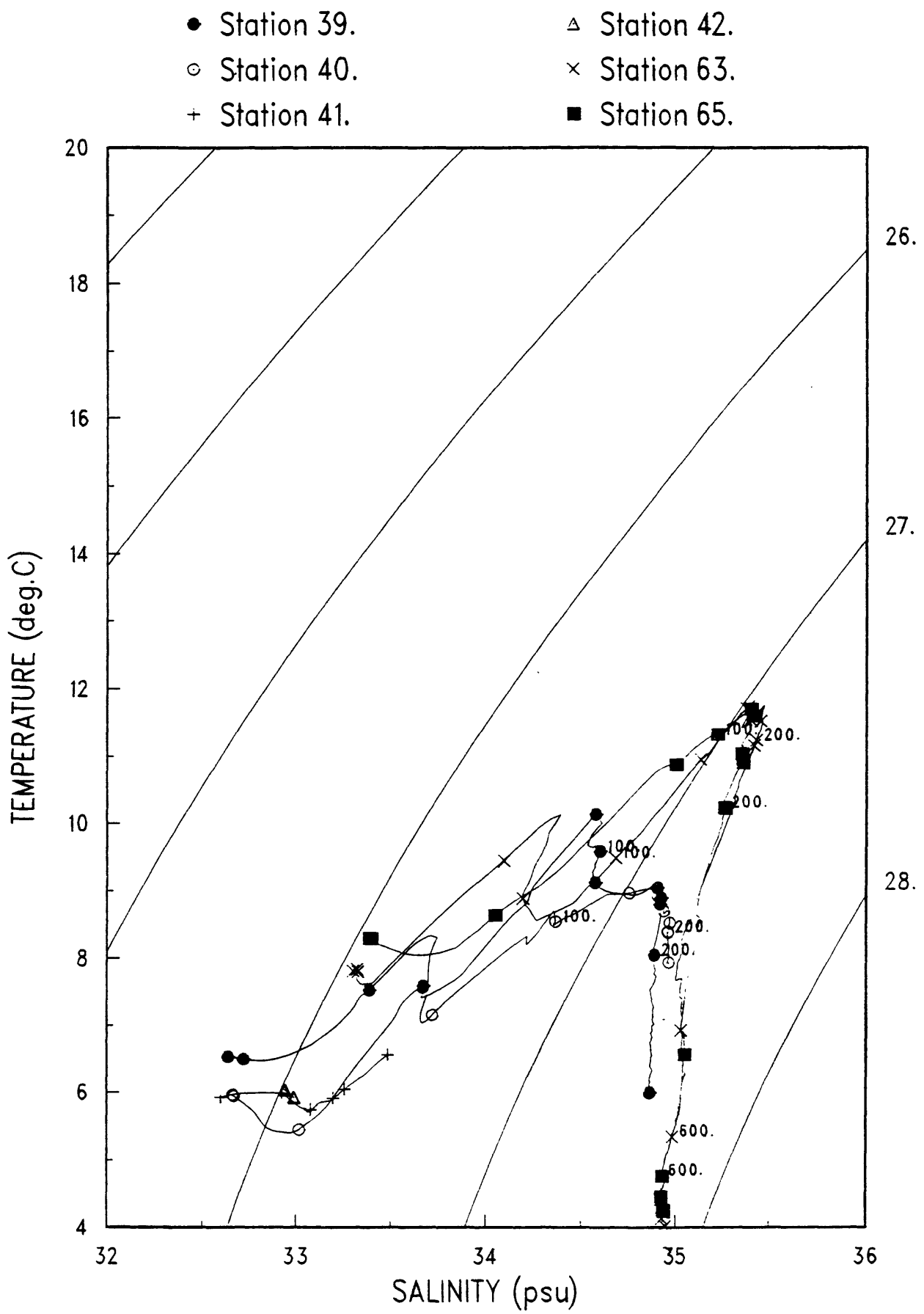
Temperature salinity diagrams

Plots of temperature vs. salinity 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.

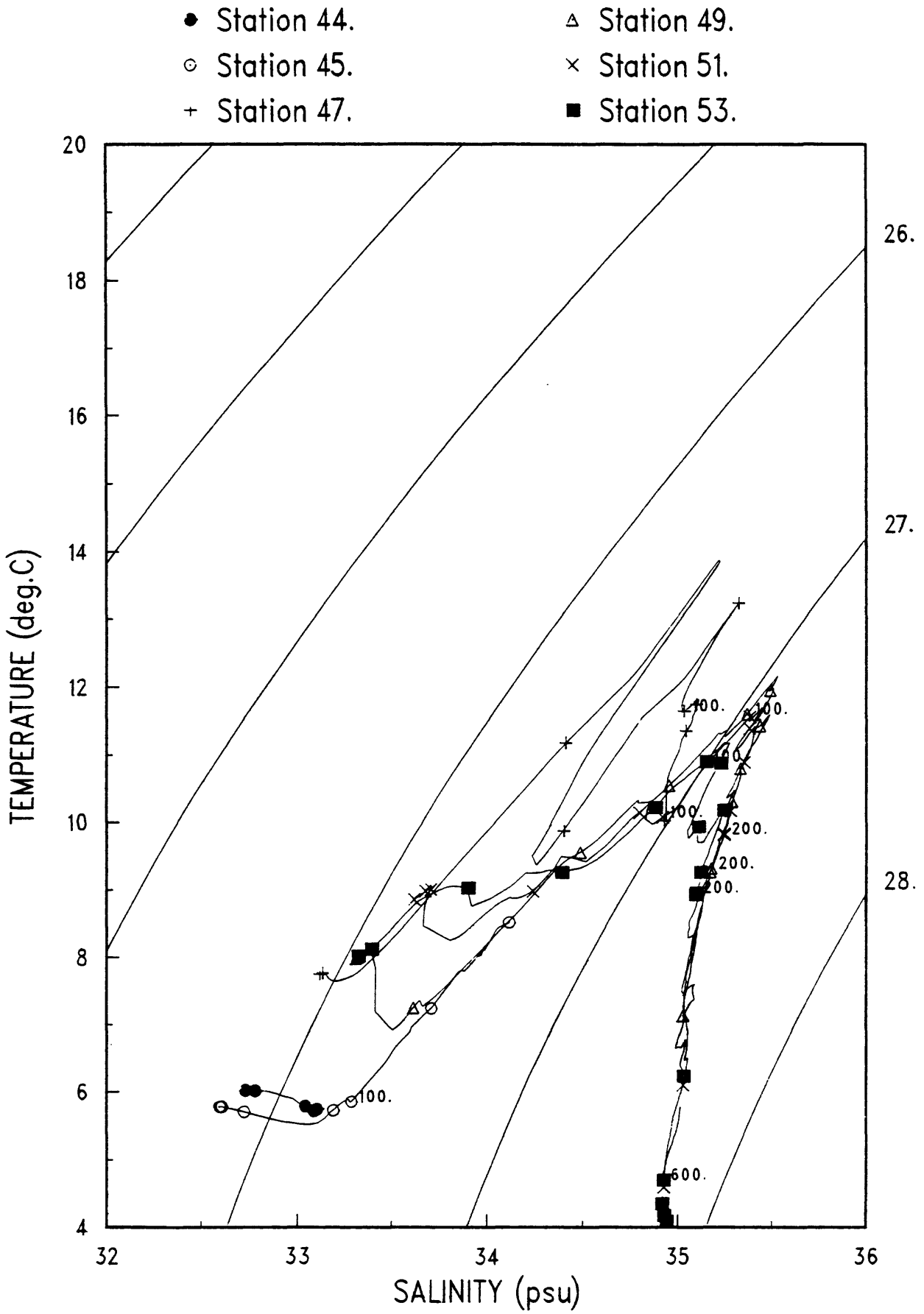
OC095--TS Diagram Section 1, 10



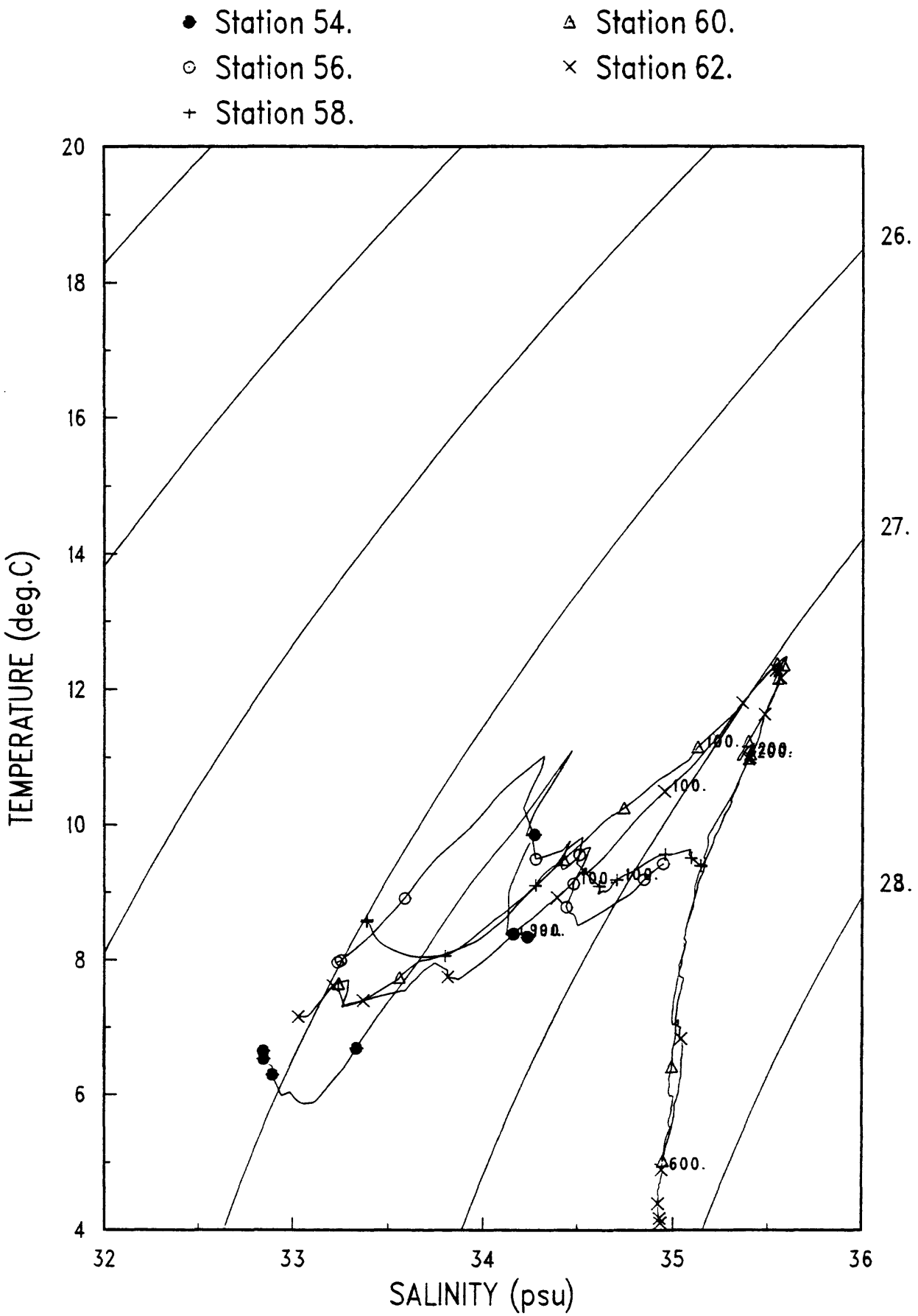
OC095--TS Diagram Section 5



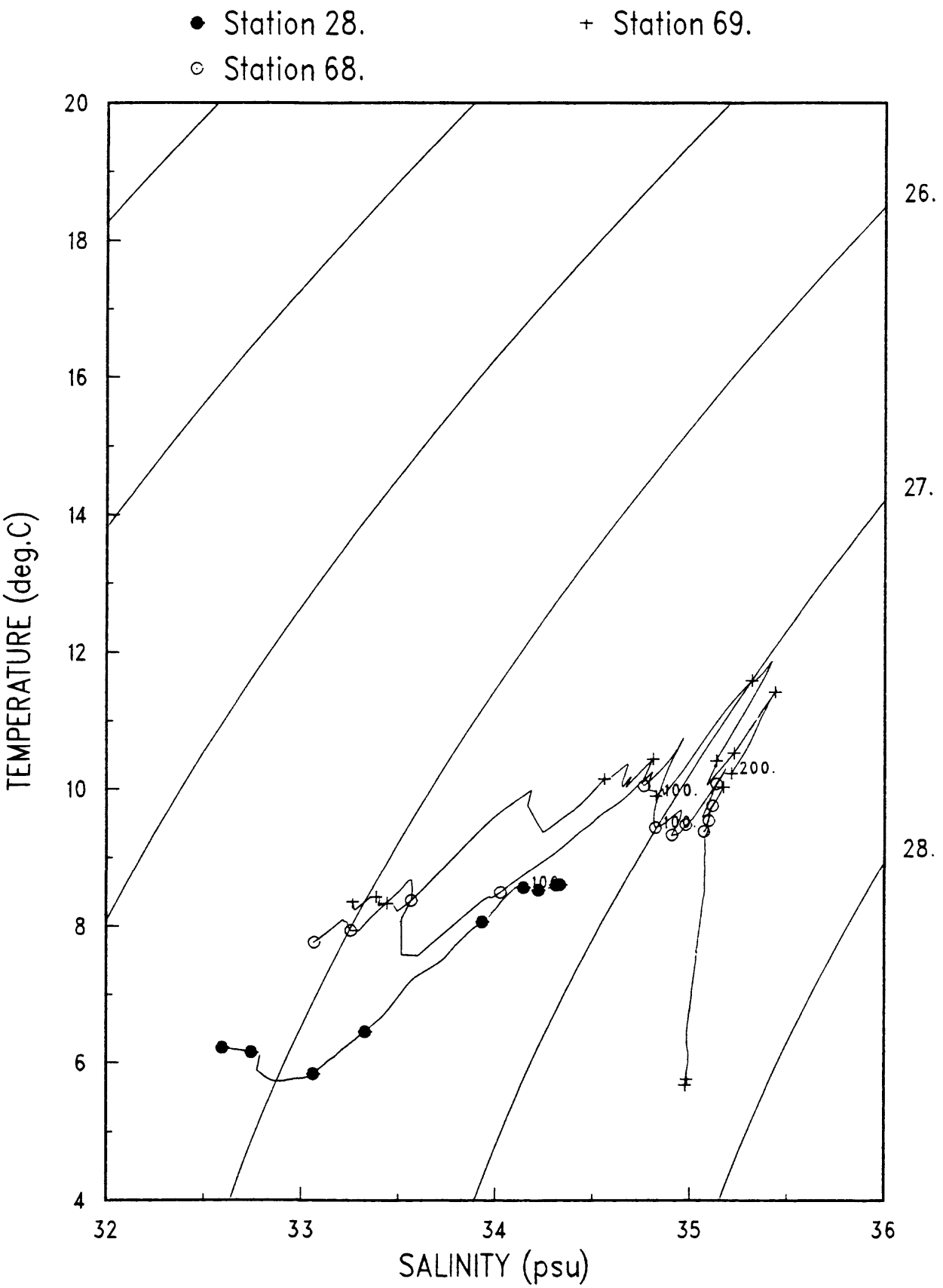
OC095--TS Diagram Section 6



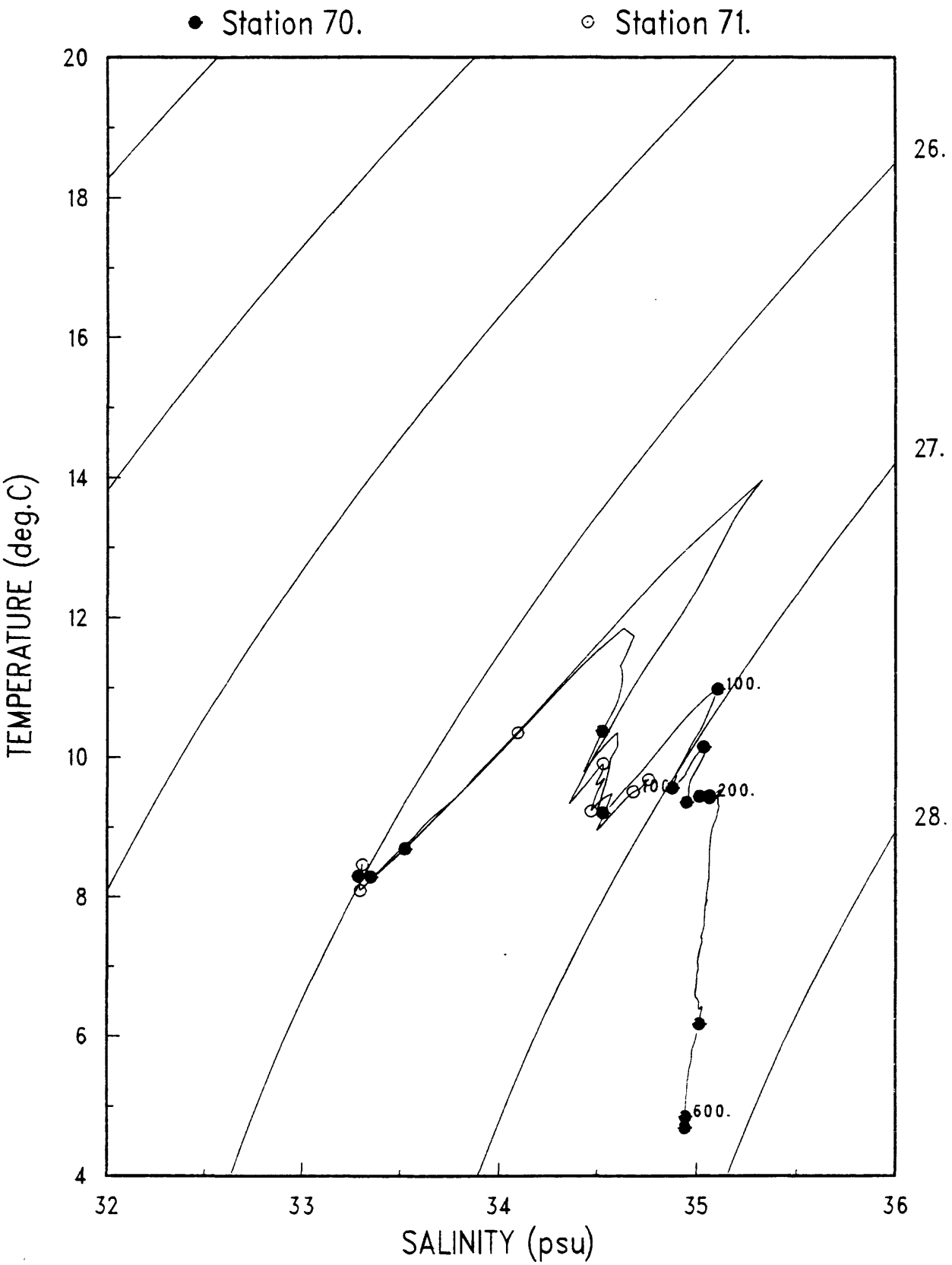
OC095--TS Diagram Section 7



OC095--TS Diagram Section 8



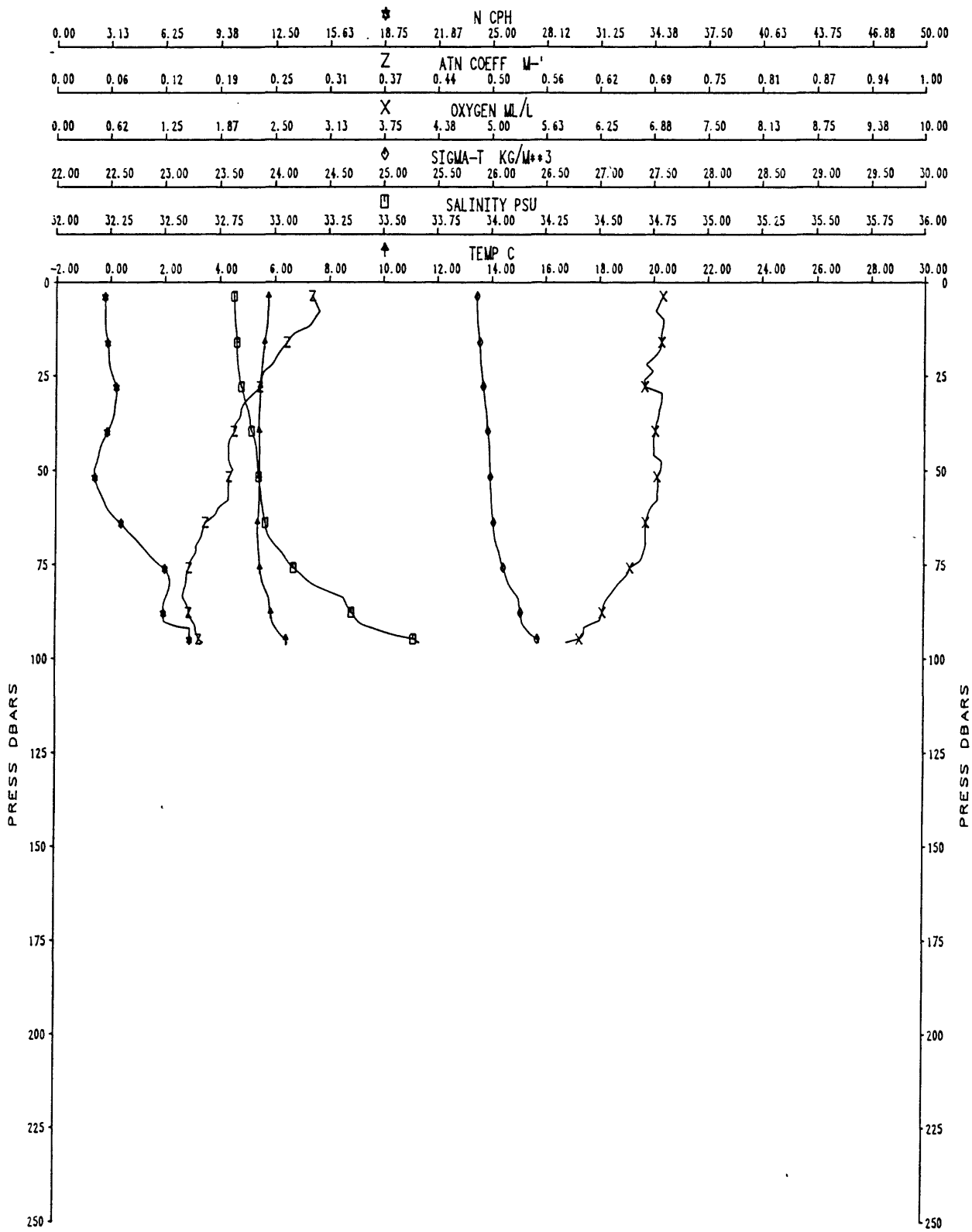
OC095--TS Diagram Section 8



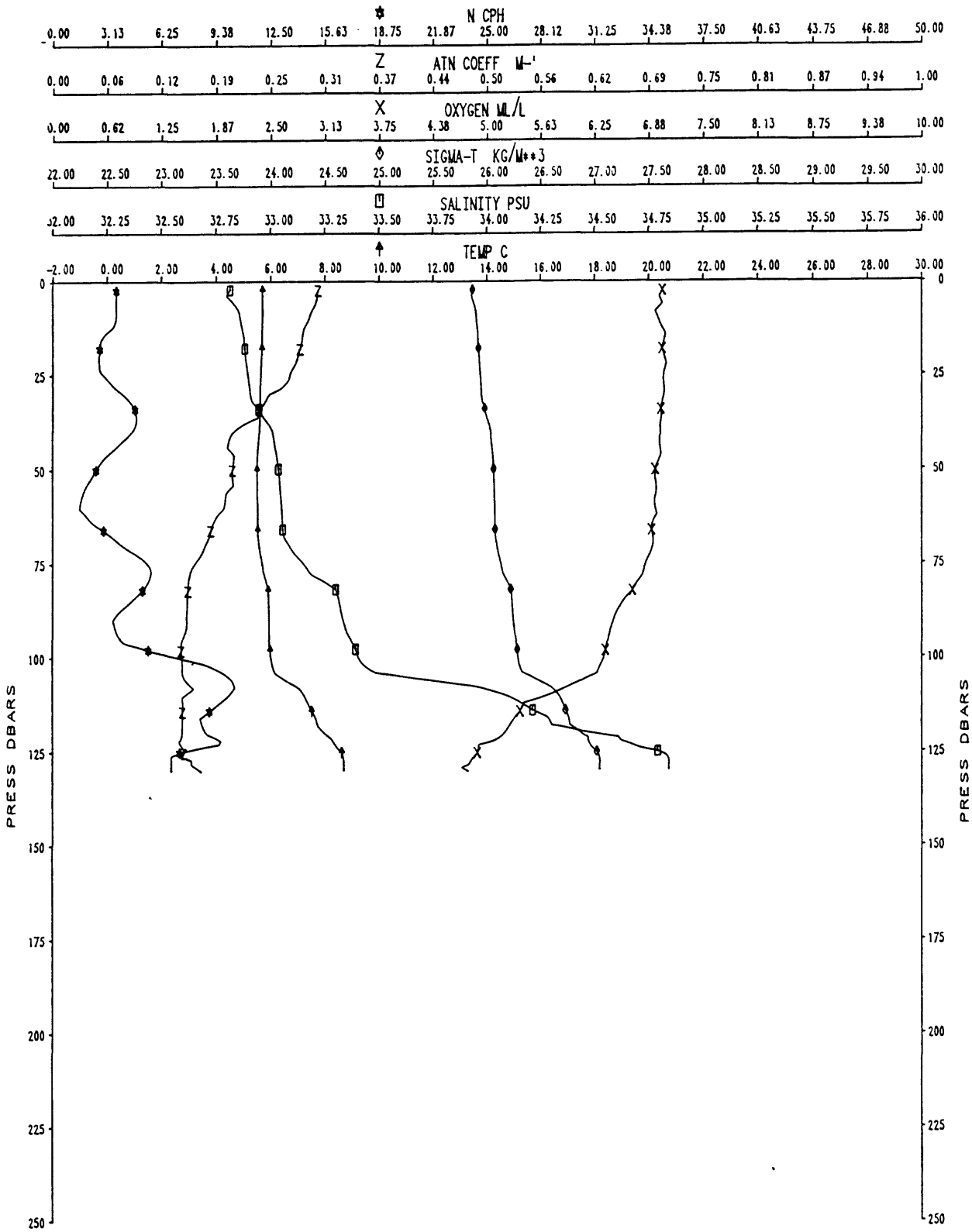
Station profiles

Vertical profiles of temperature, salinity, sigma-t, oxygen, attenuation coefficient, and Brunt-Vaisala frequency at each station are shown in figures 38-107. Cast number and XBT number are the station number. 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. There are no plots for stations 13, 15, 18, 19, 38, 50, and 64 because the XBTs malfunctioned. The units of salinity are practical salinity units (psu) and are defined by Lewis (1980).

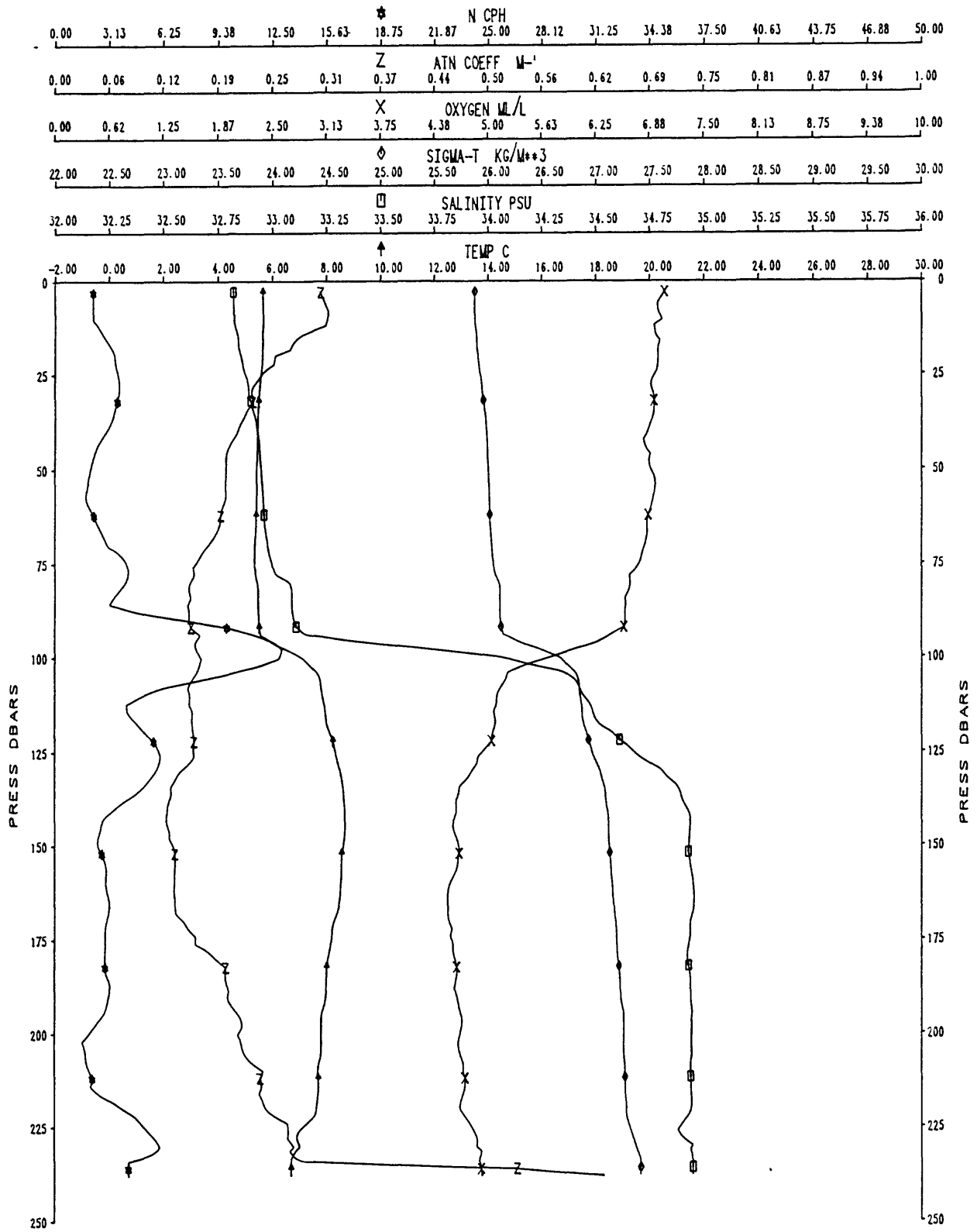
OC095U CAST #1

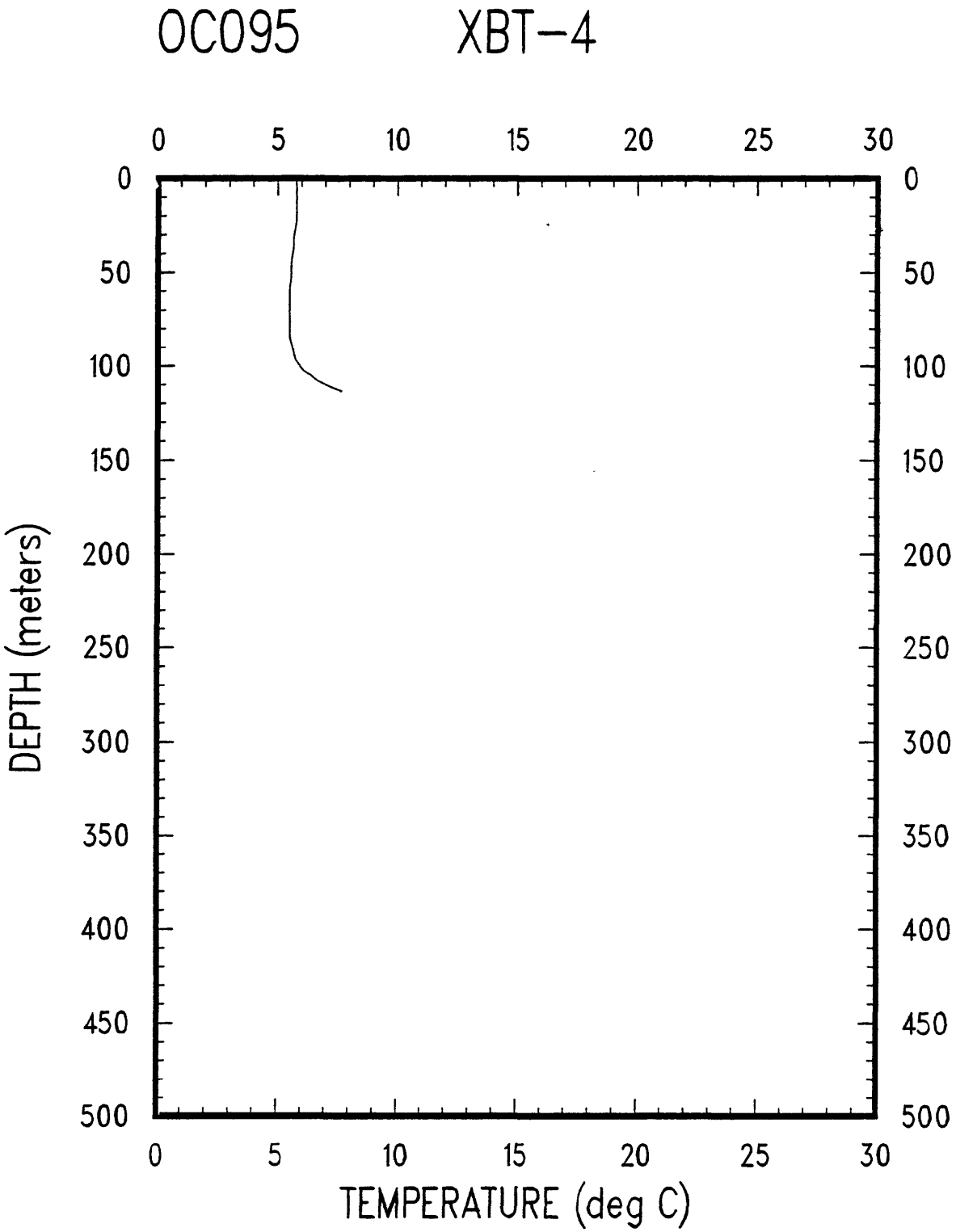


OC095A CAST #2

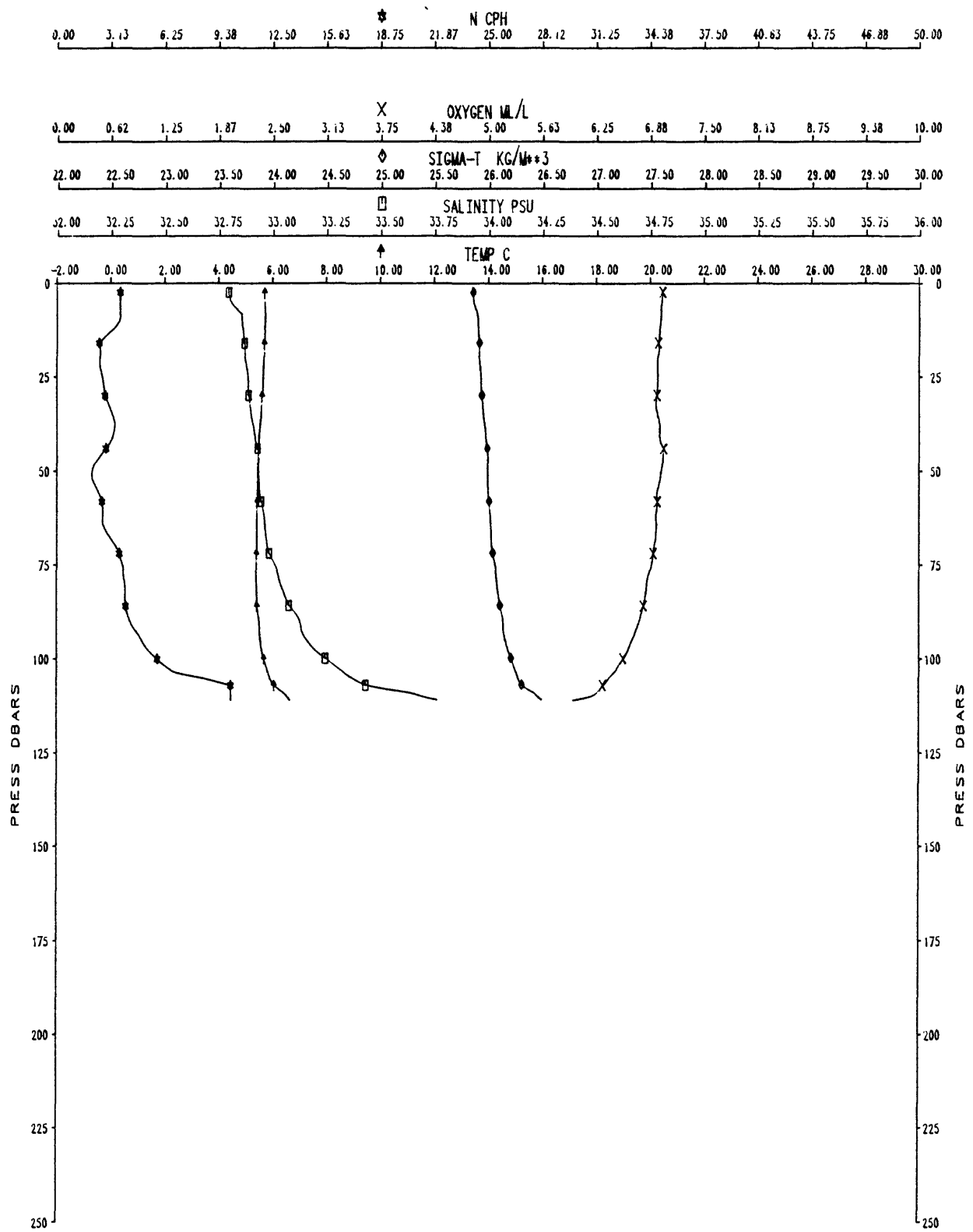


OC095A CAST #3

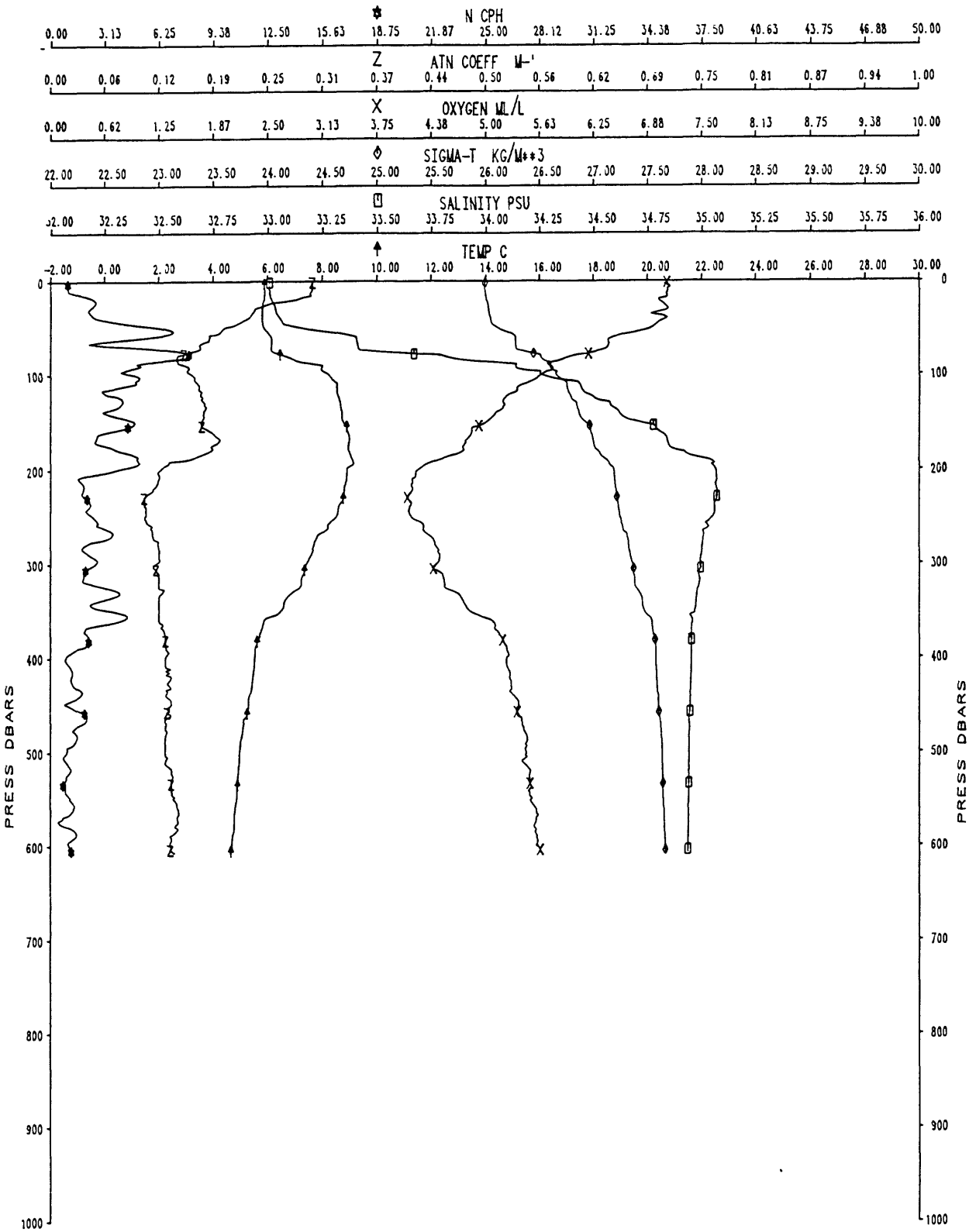



OC095 XBT-4
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

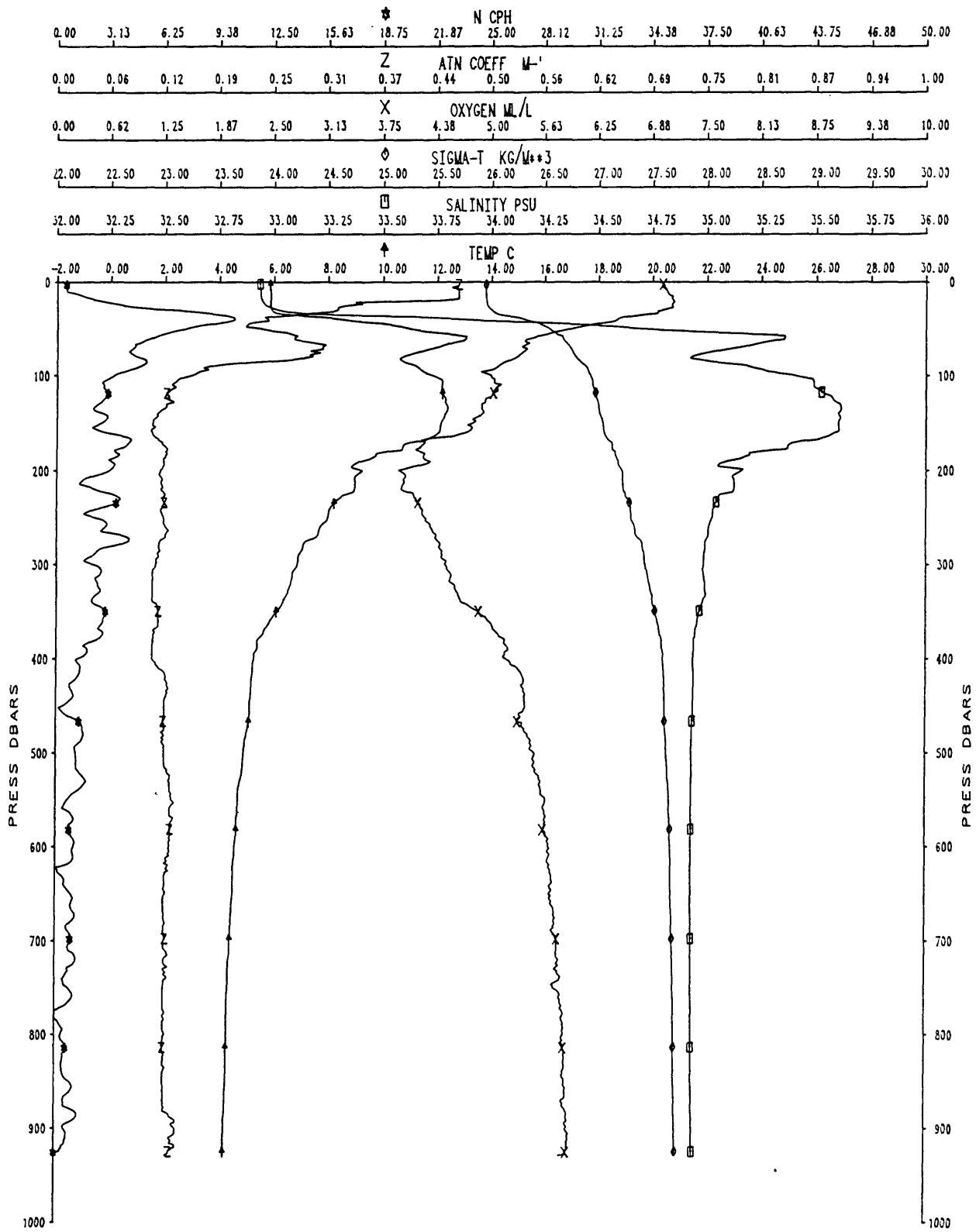
OC095A CAST #5

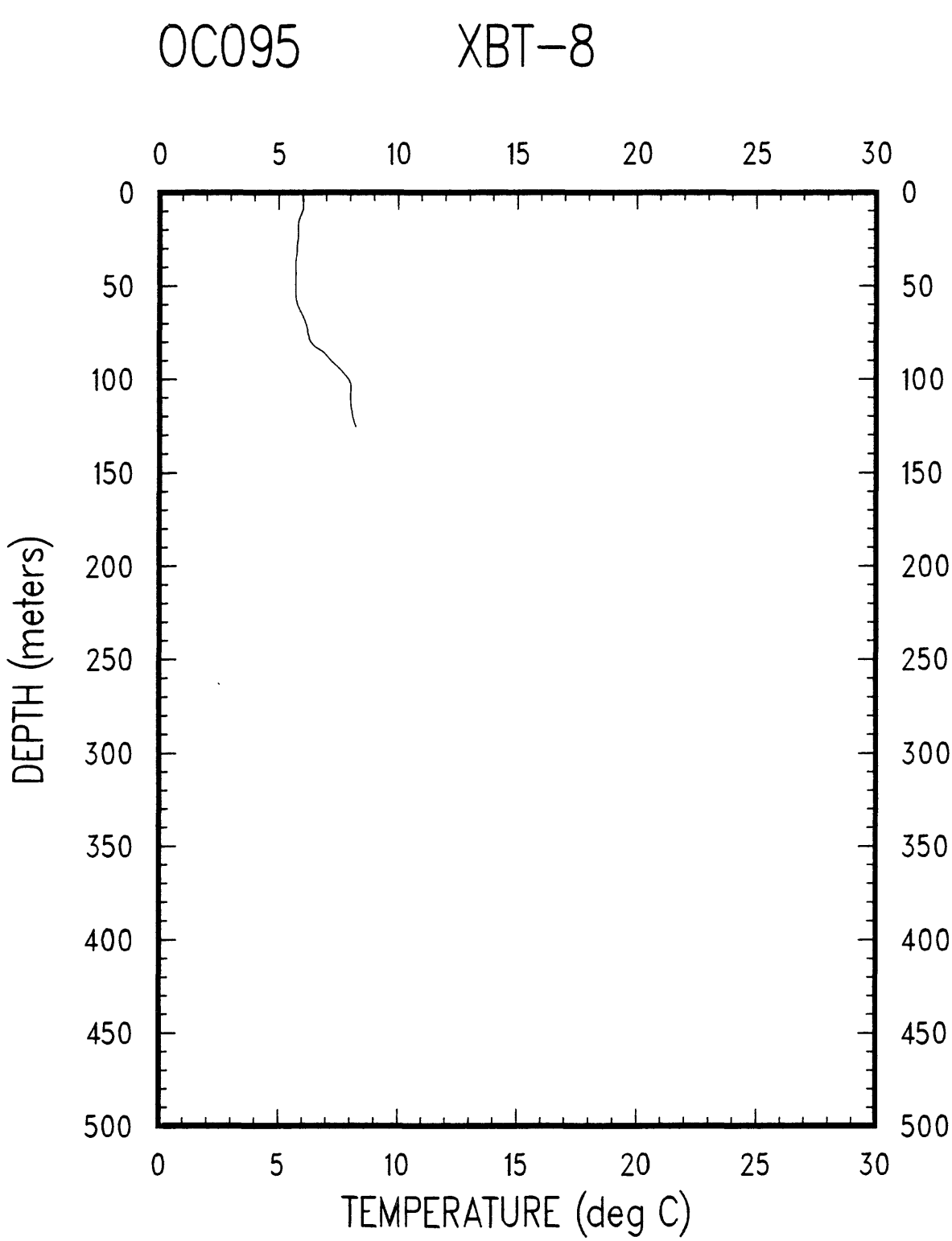


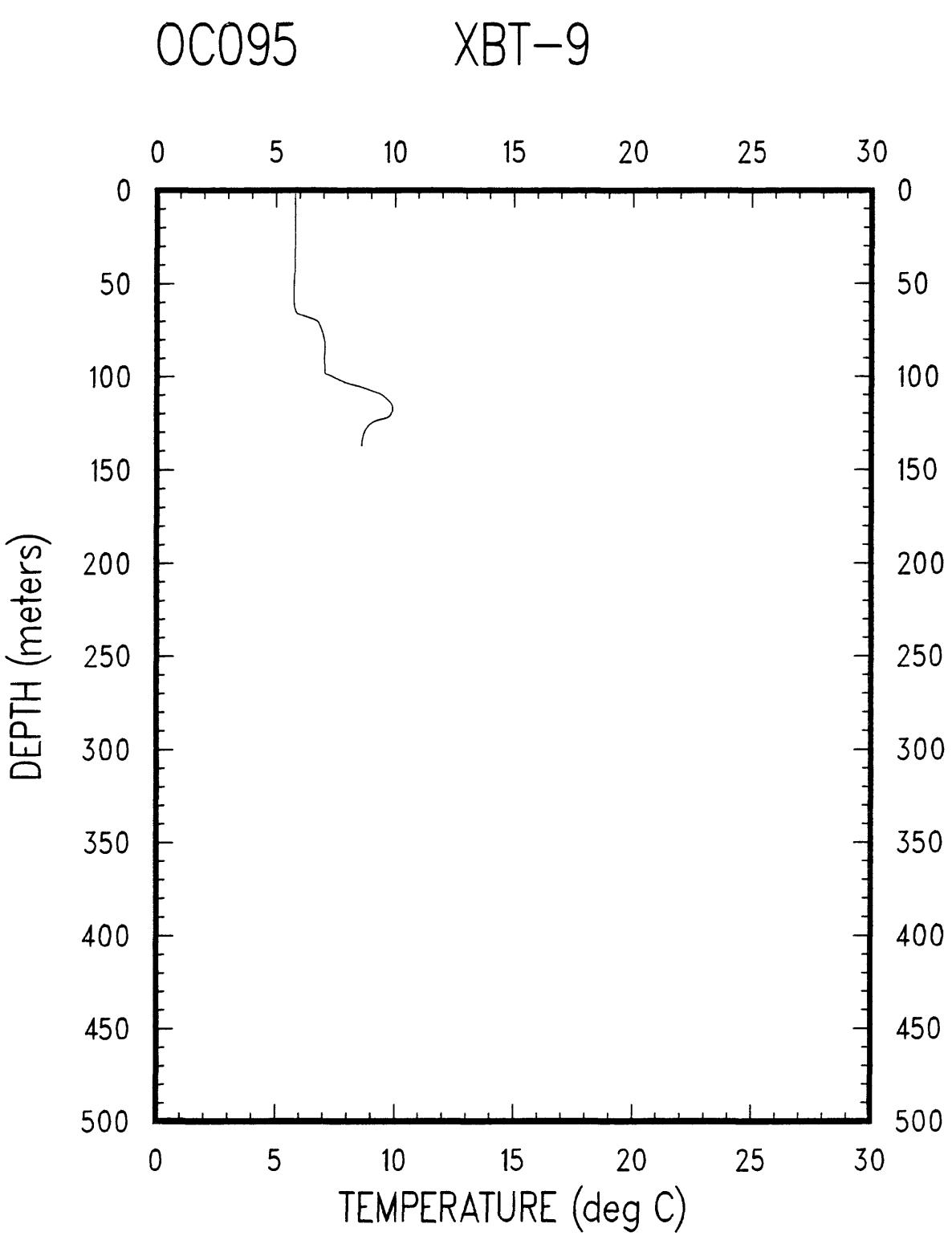
OC095A CAST #6

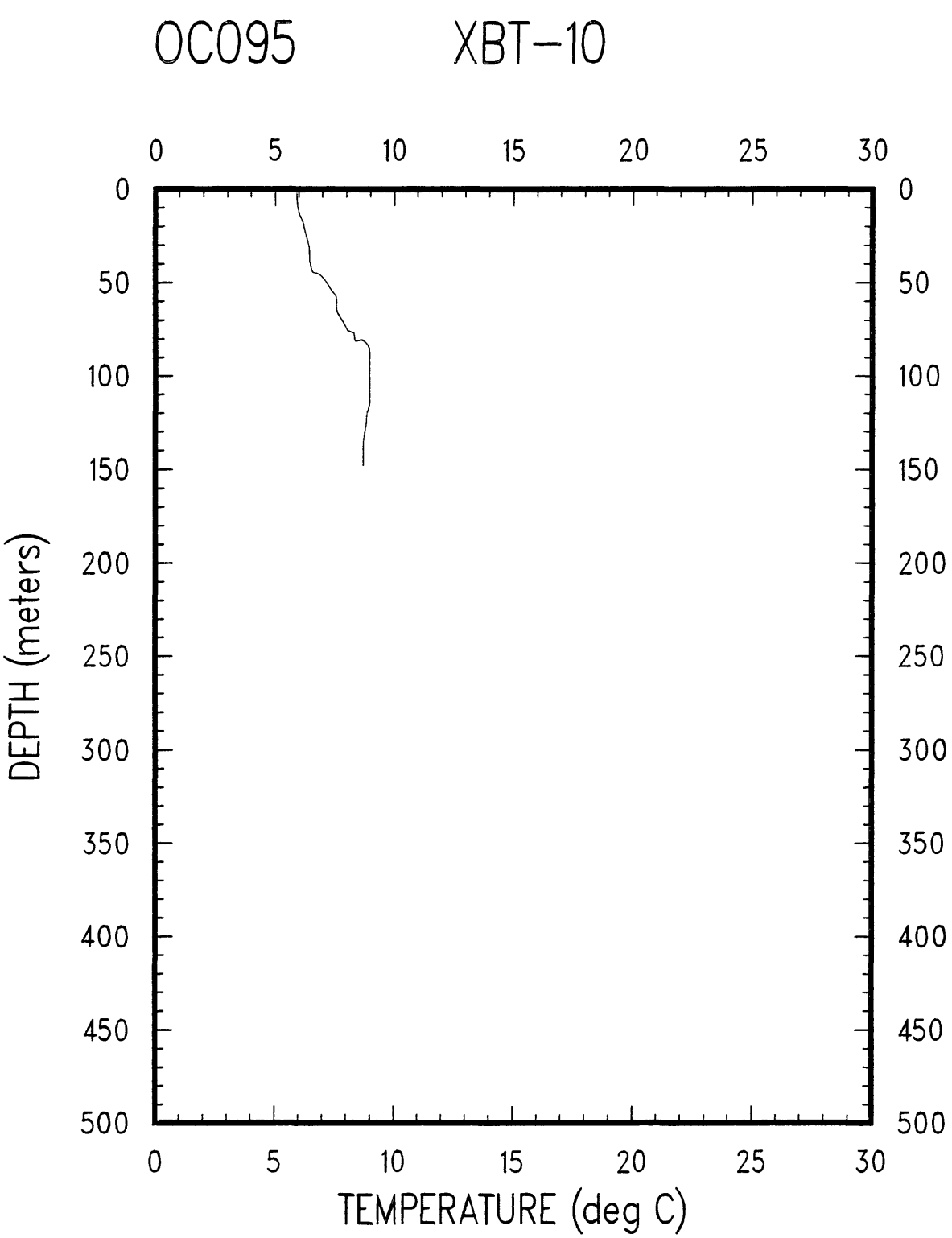


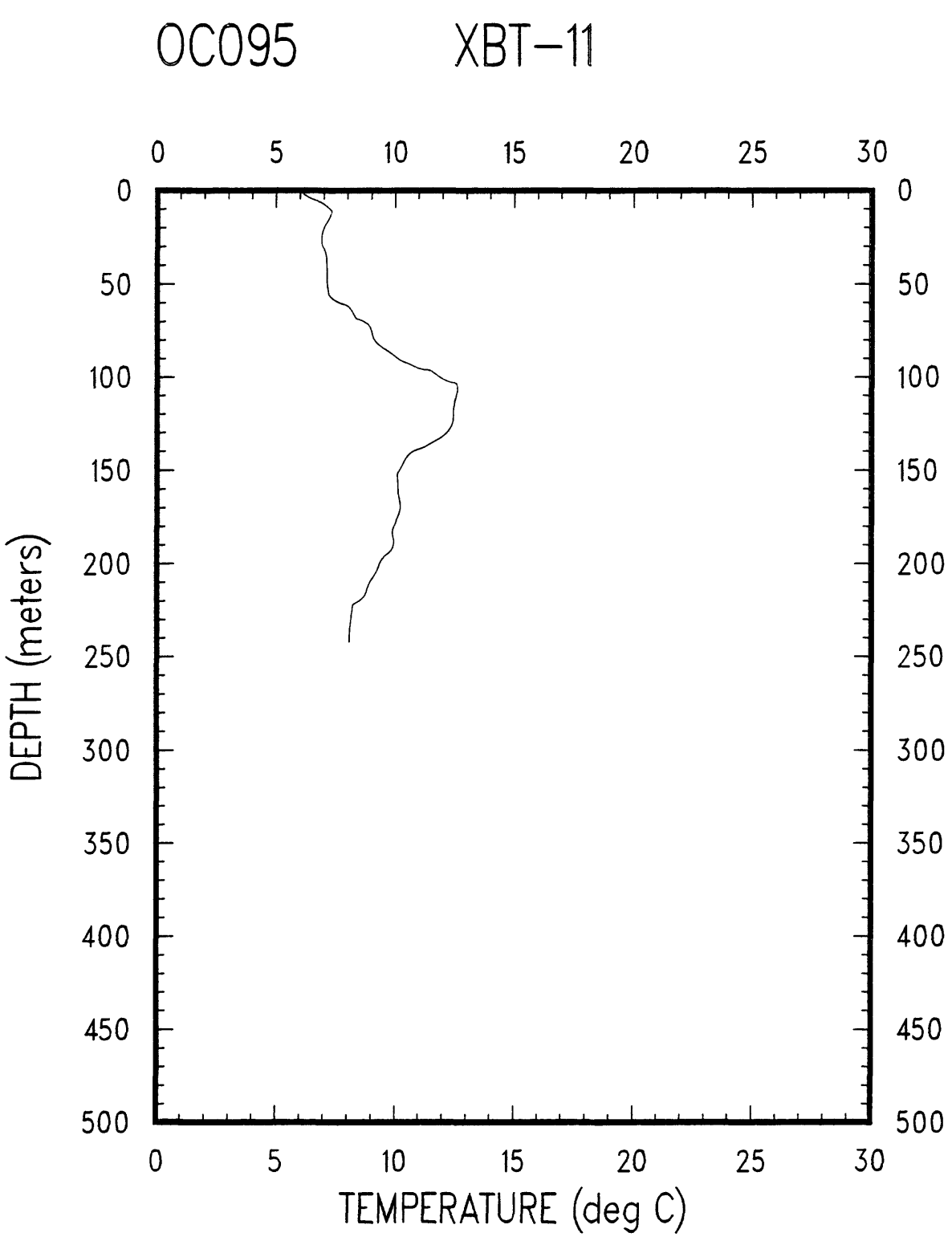
OC095U CAST #7

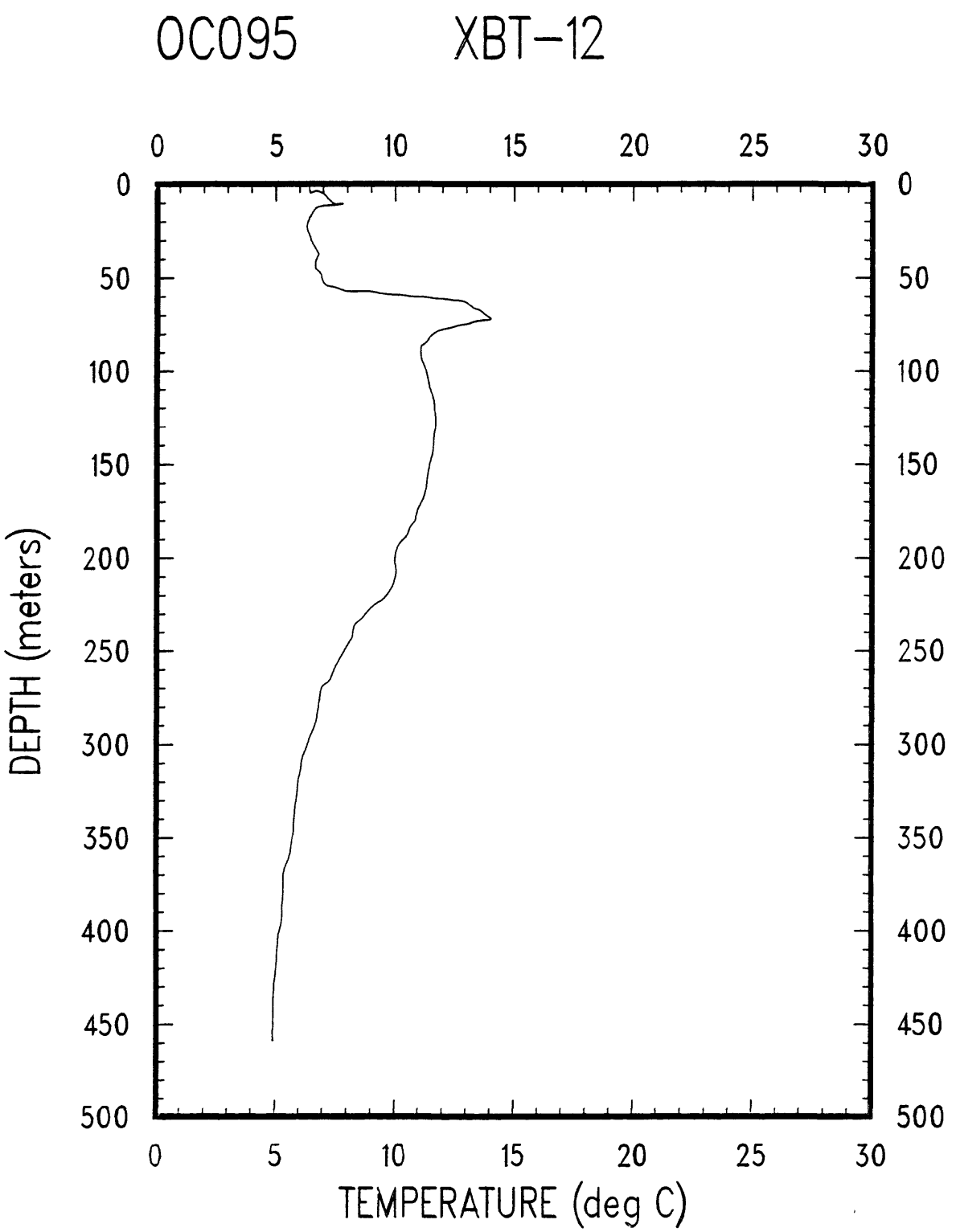


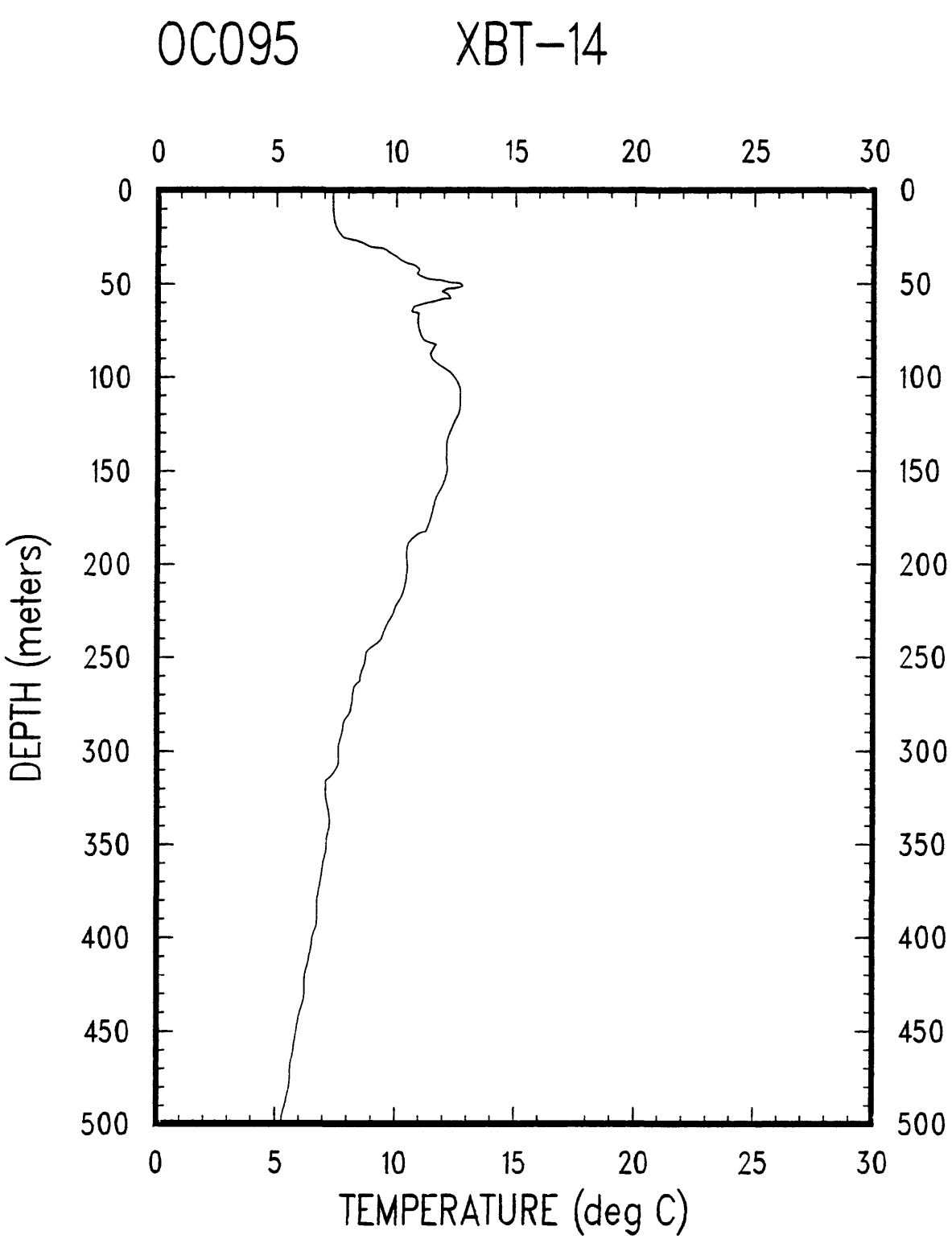

OC095 XBT-8
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

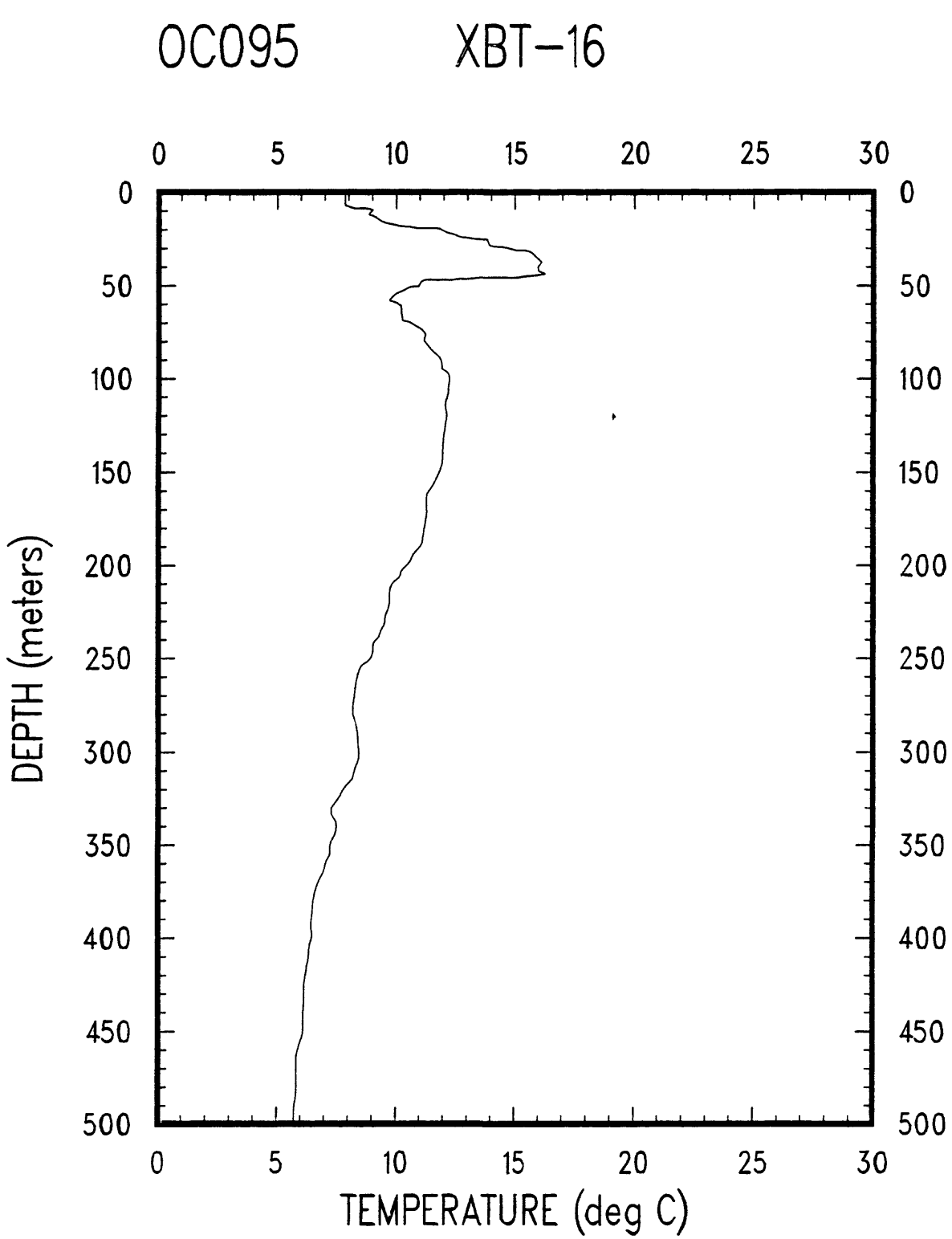

OC095 XBT-9
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

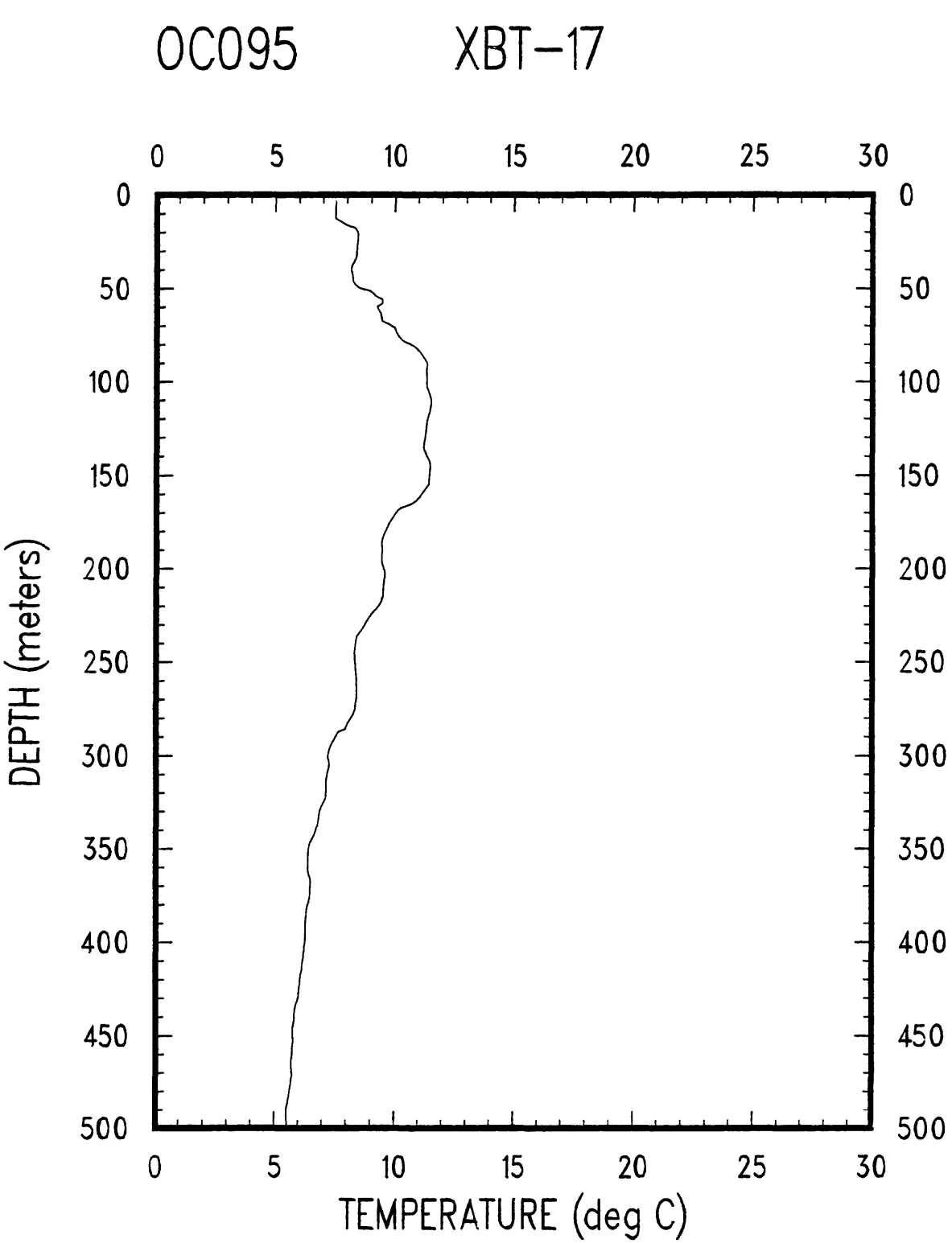

OC095 XBT-10
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

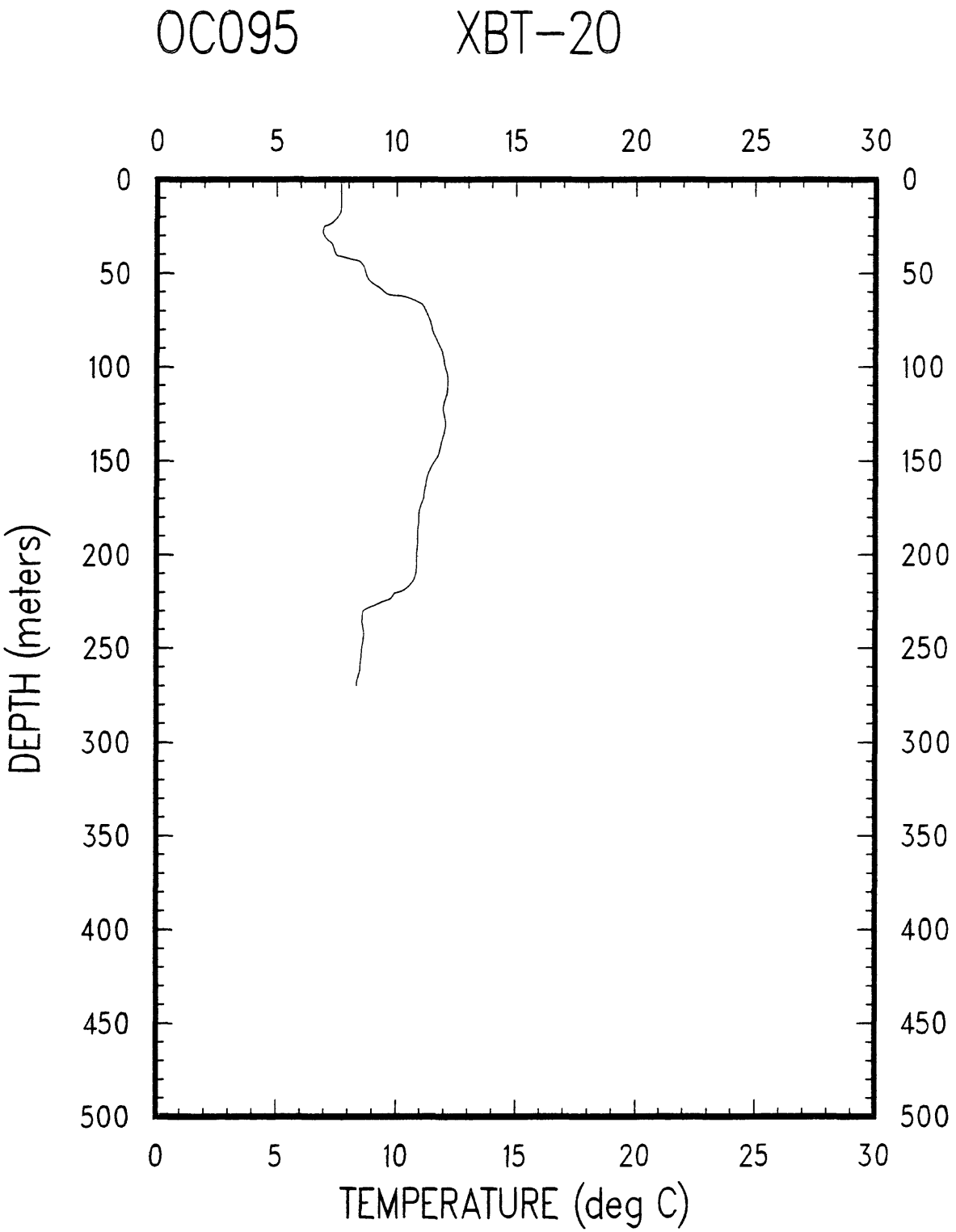

OC095 XBT-11
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

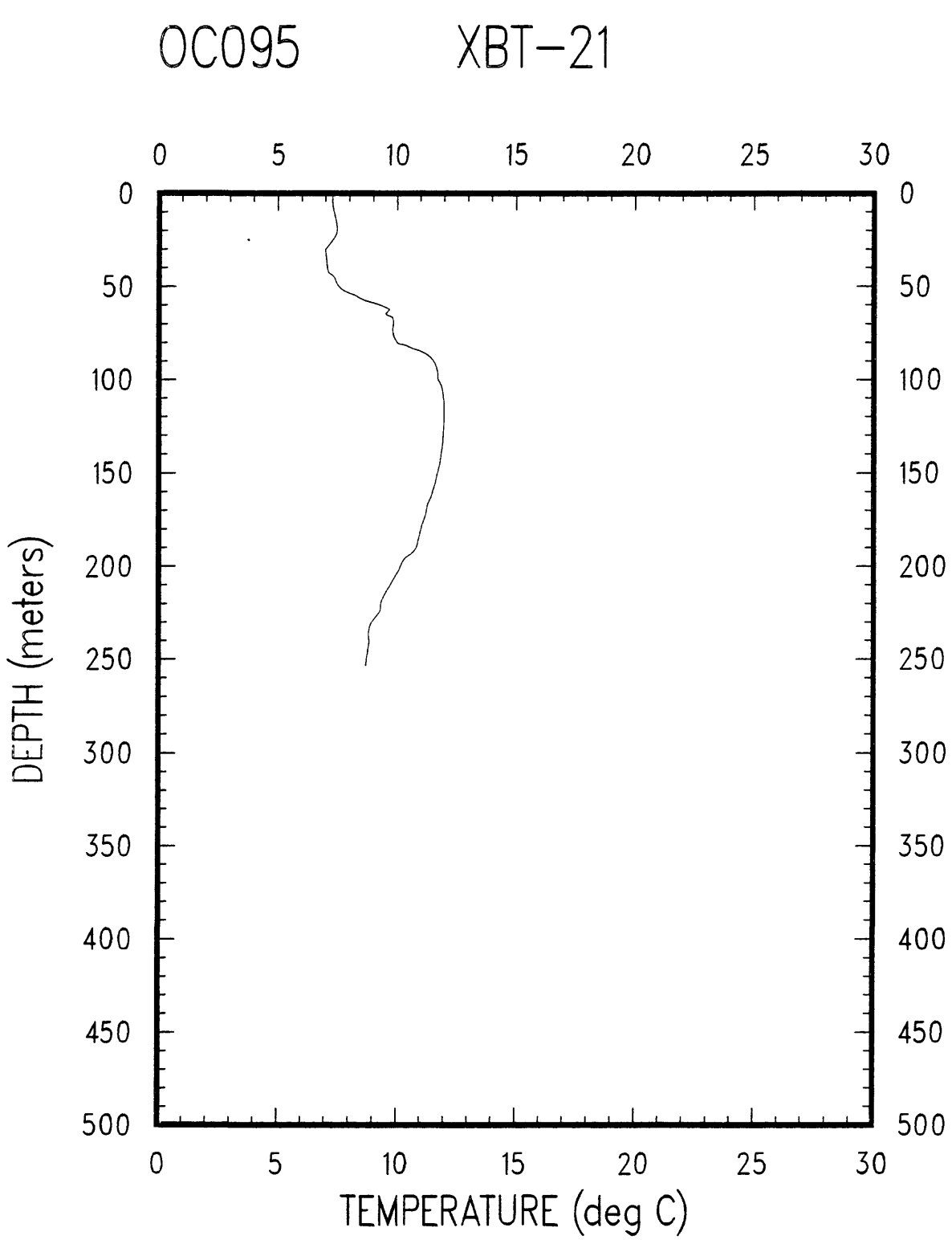

OC095 XBT-12
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

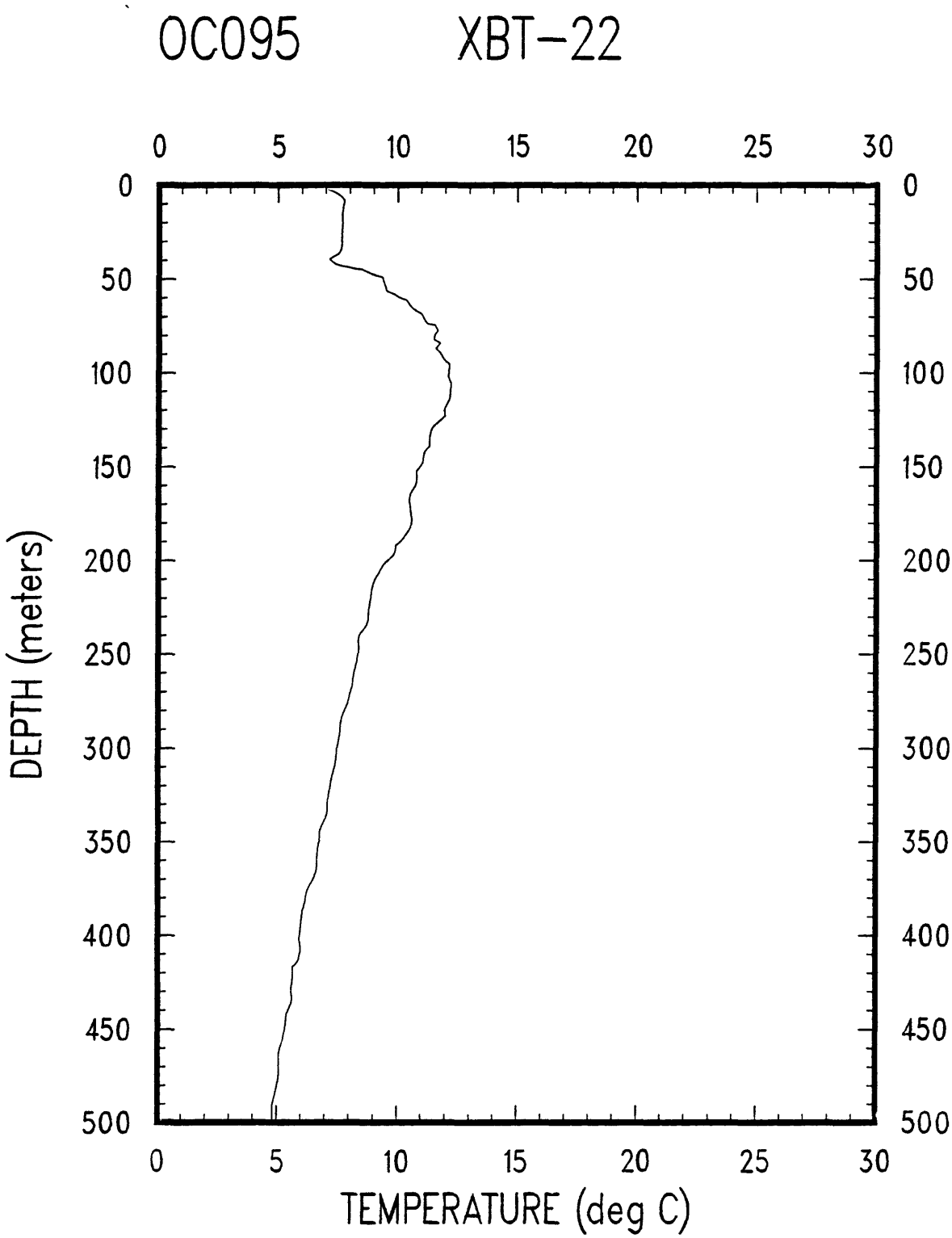

OC095 XBT-14
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

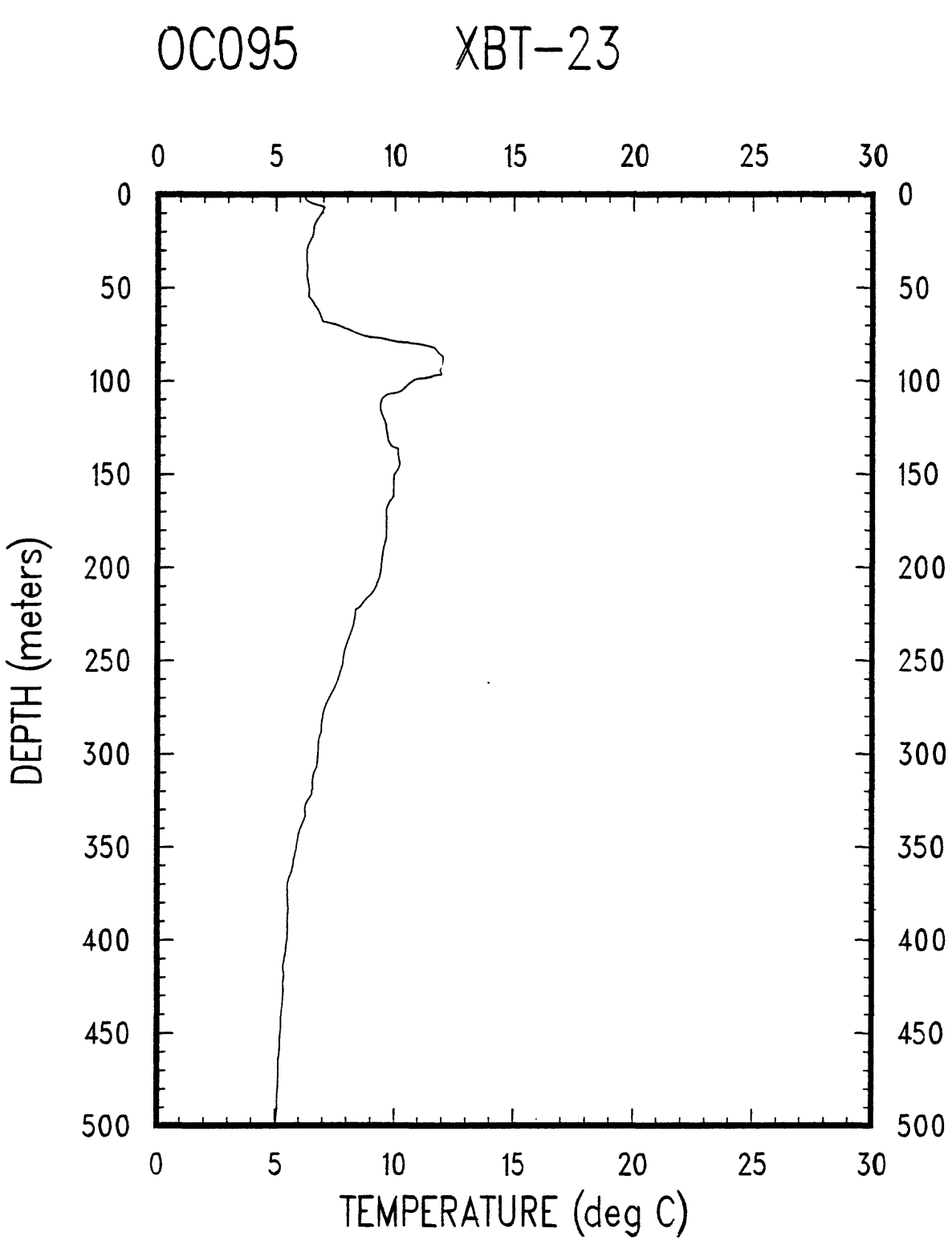

OC095 XBT-16
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

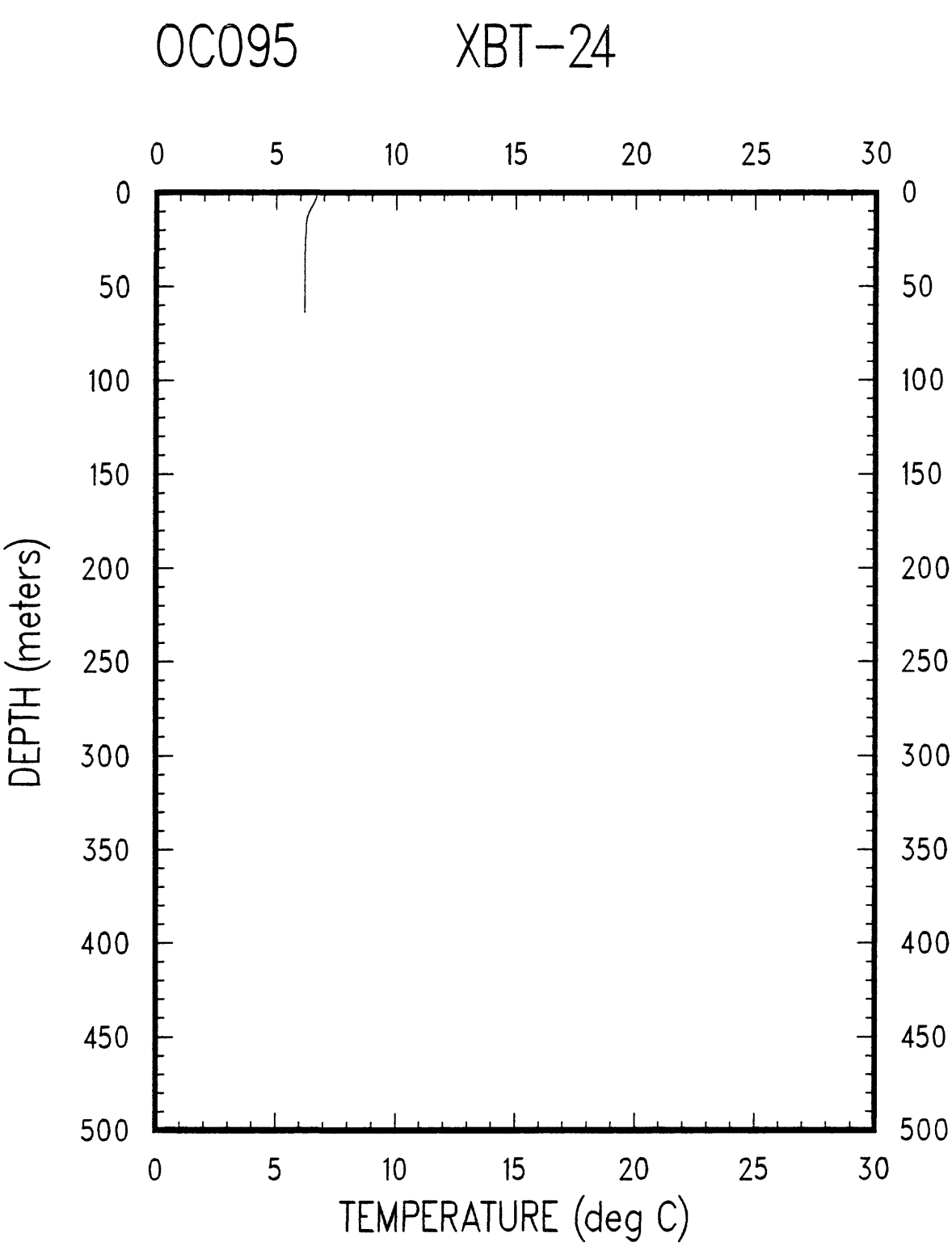

OC095 XBT-17
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

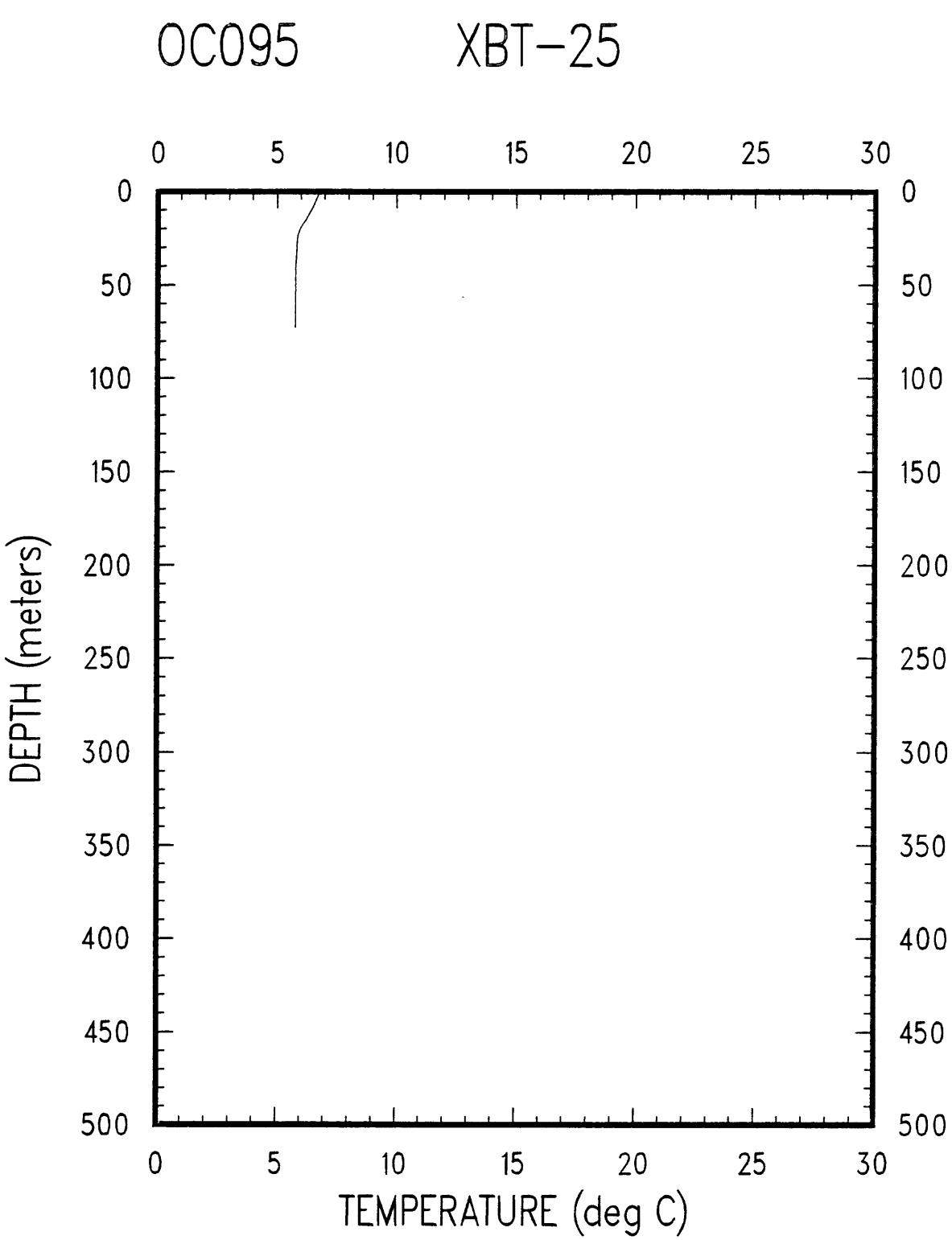

OC095 XBT-20
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

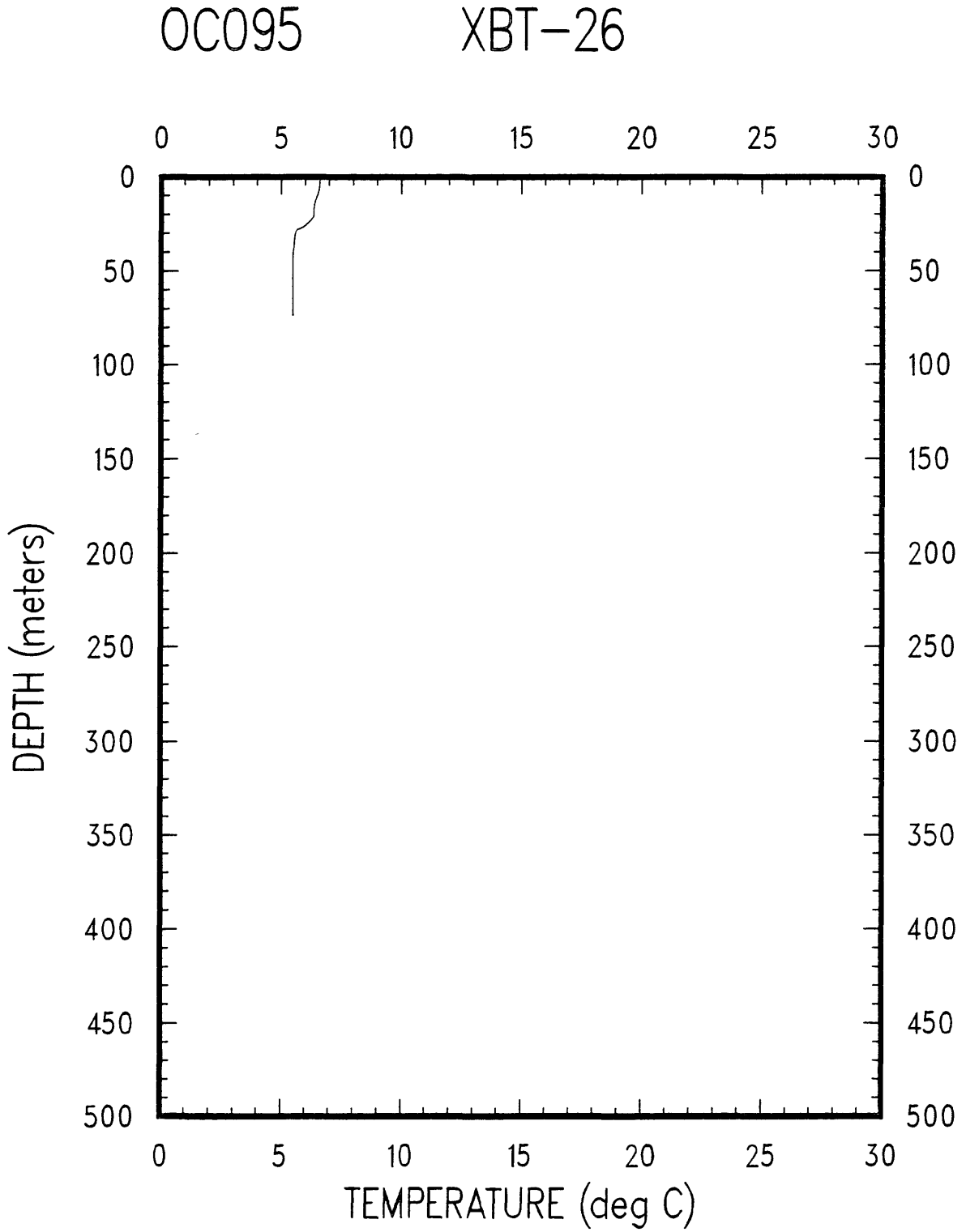

OC095 XBT-21
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

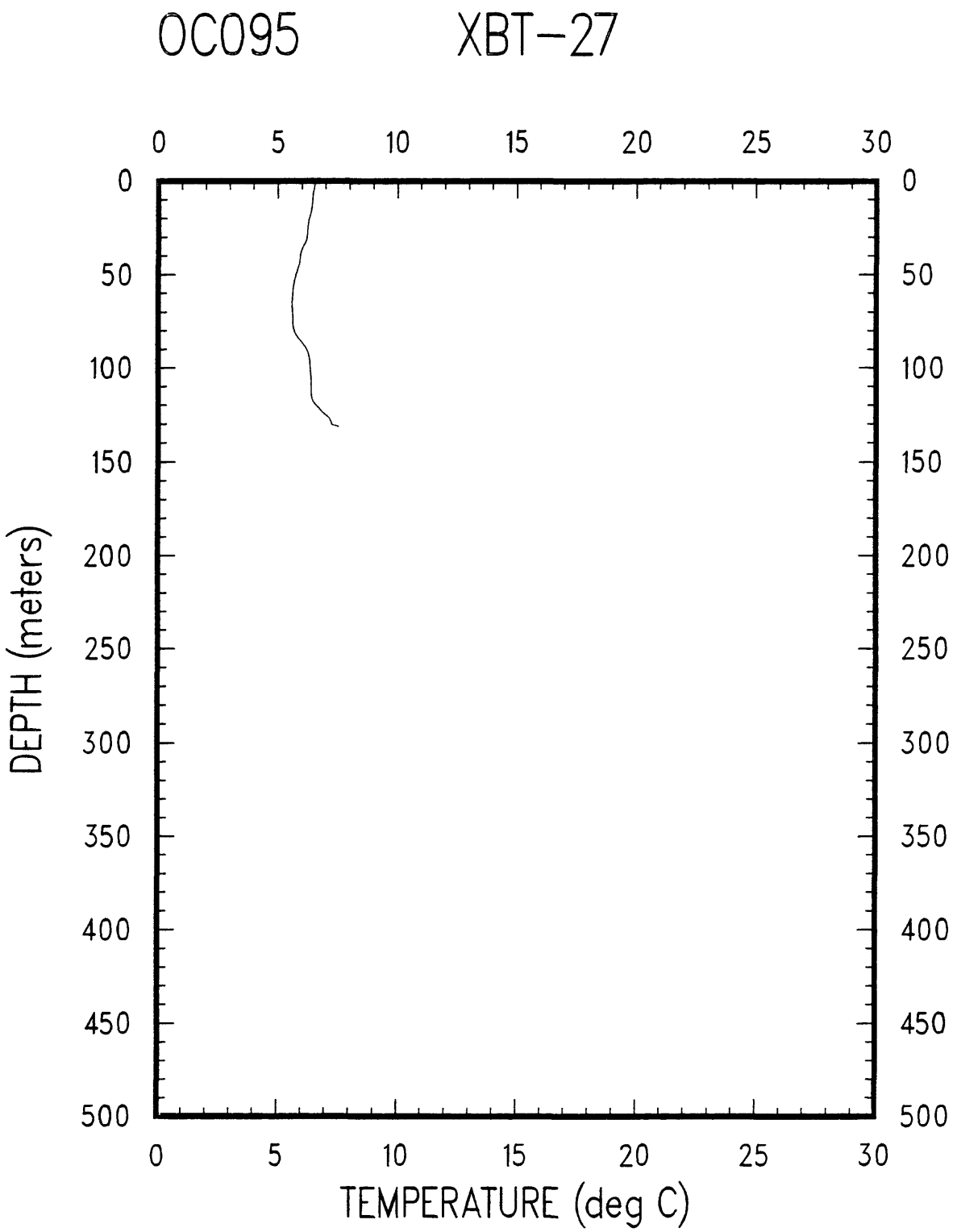

OC095 XBT-22
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)


OC095 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)

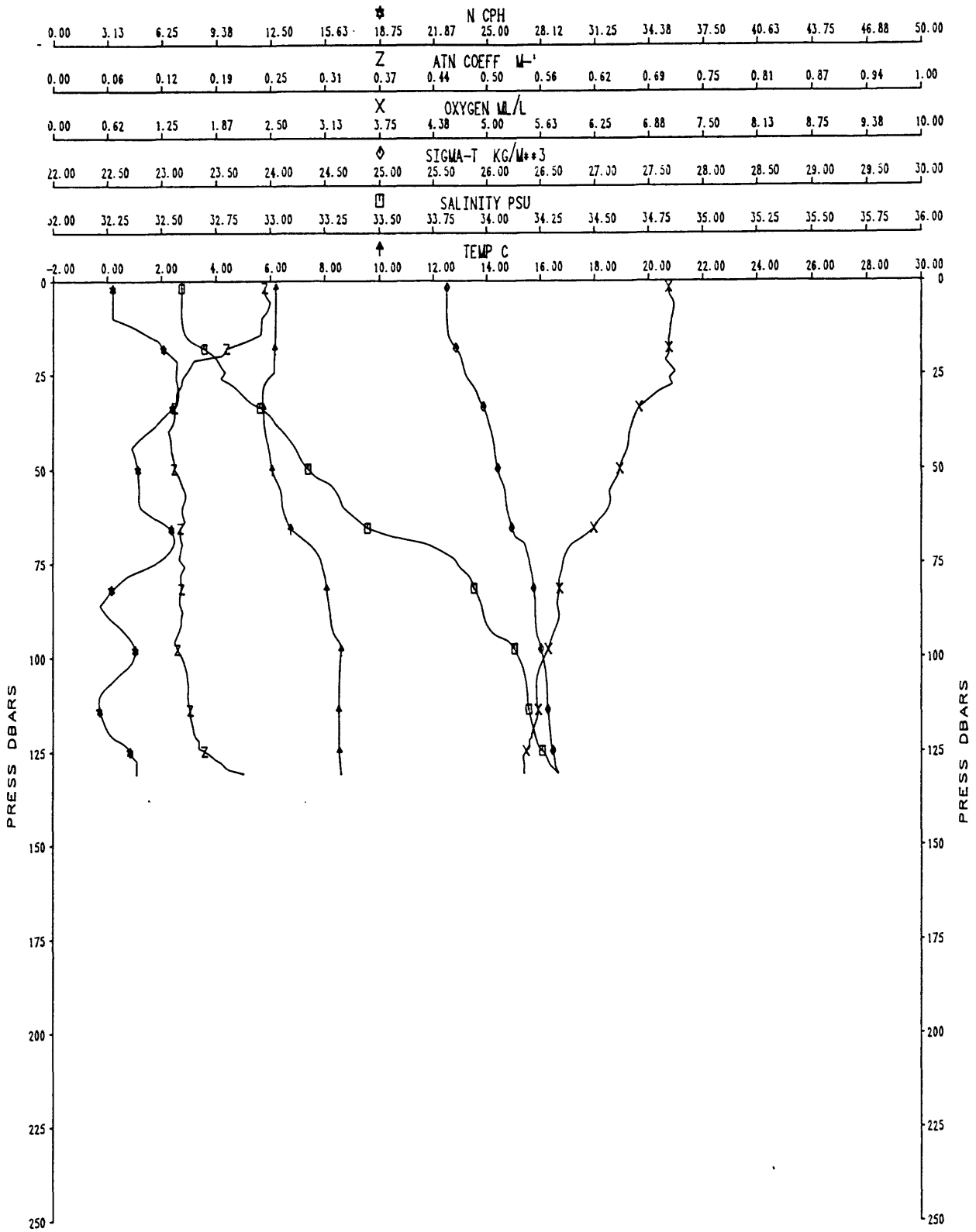

OC095 XBT-24
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

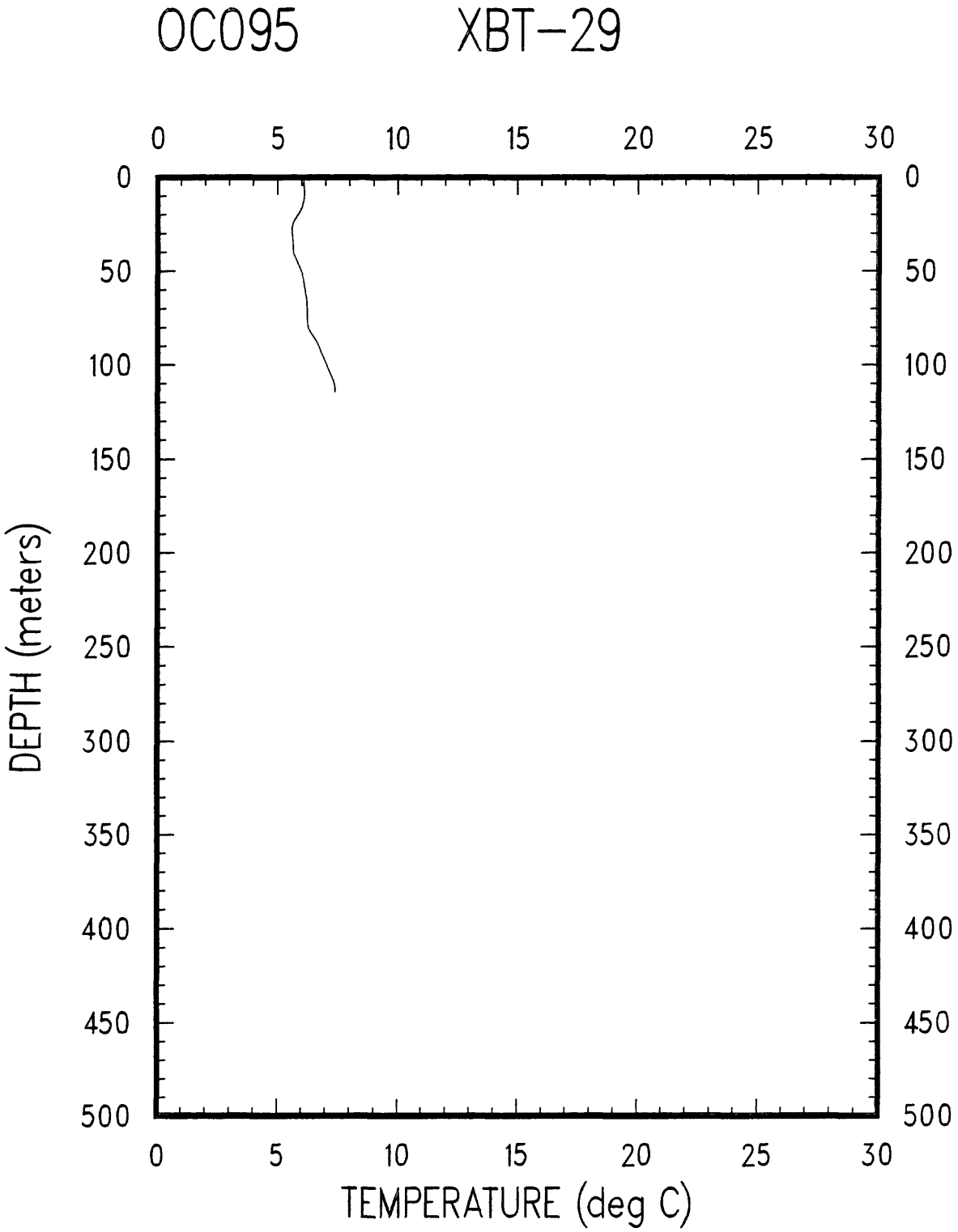

OC095 XBT-25
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

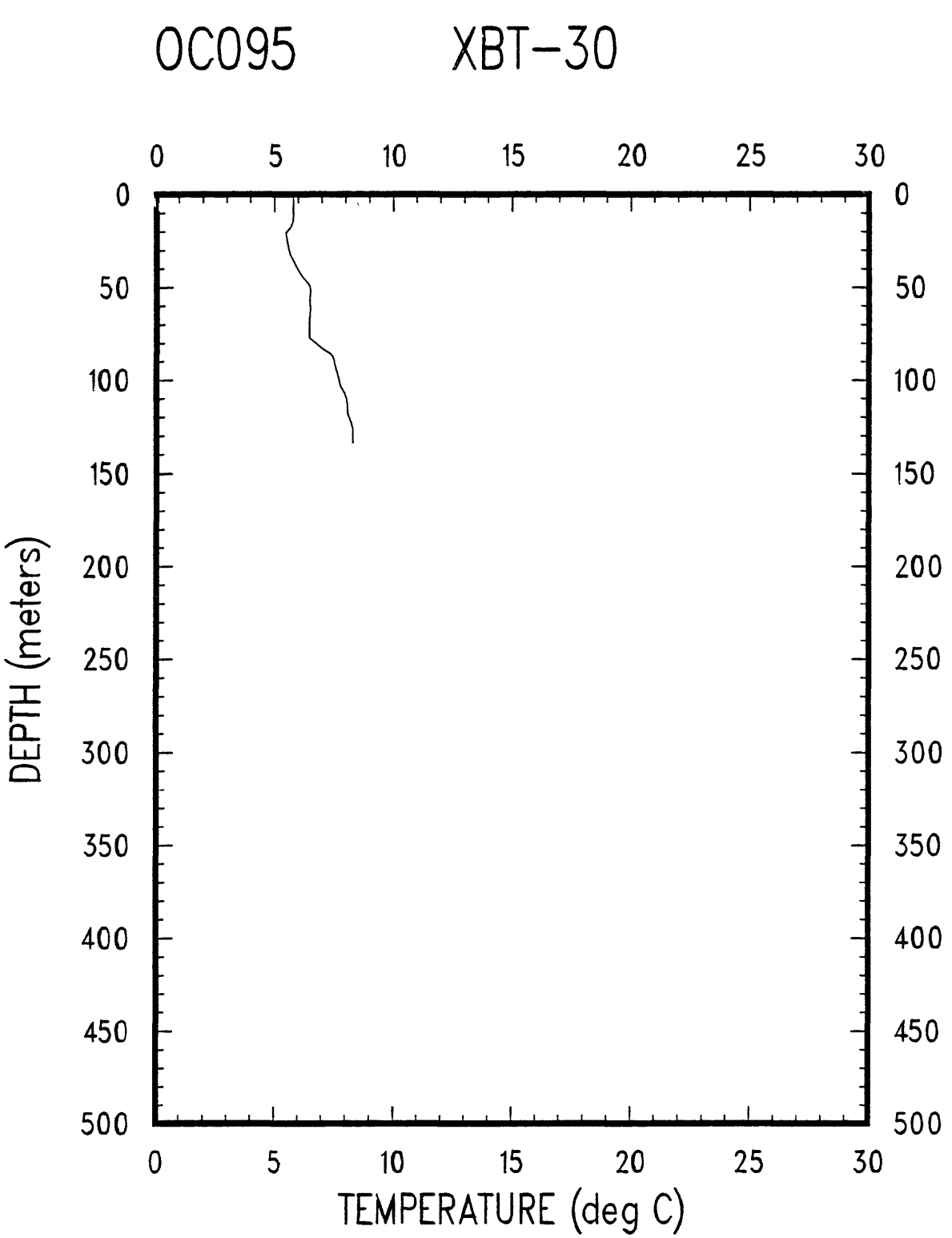

OC095 XBT-26
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

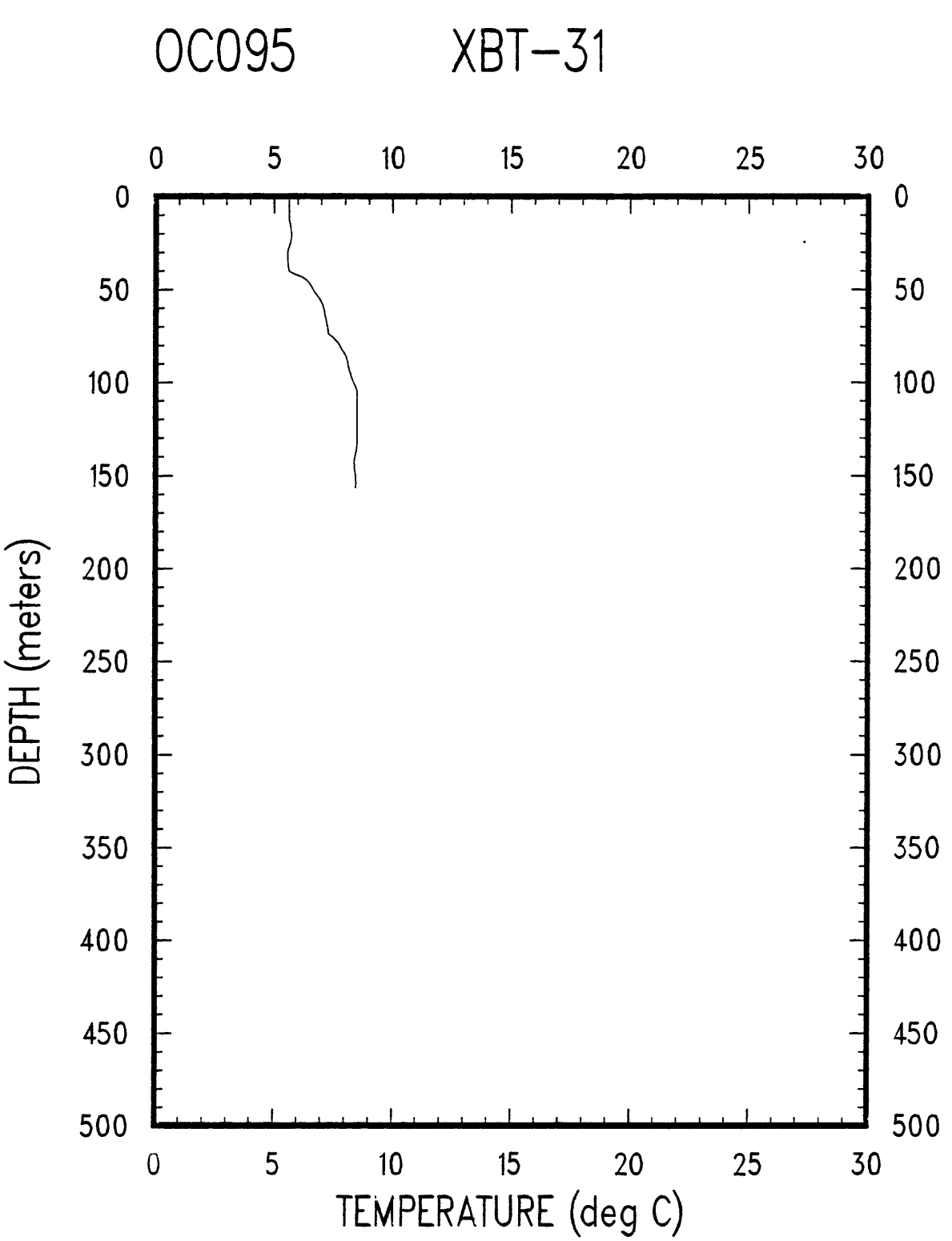

OC095 XBT-27
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

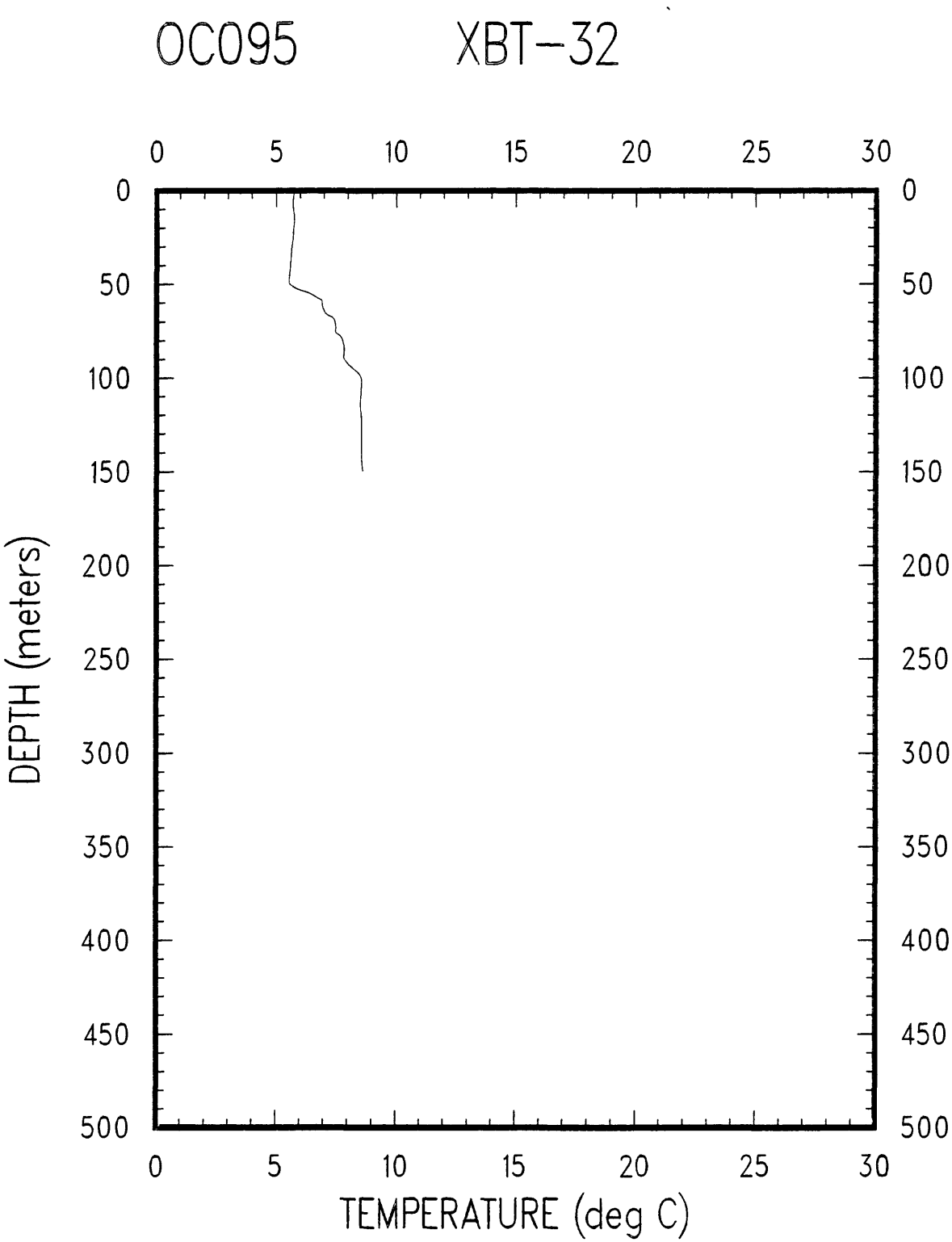
OC095A CAST #28

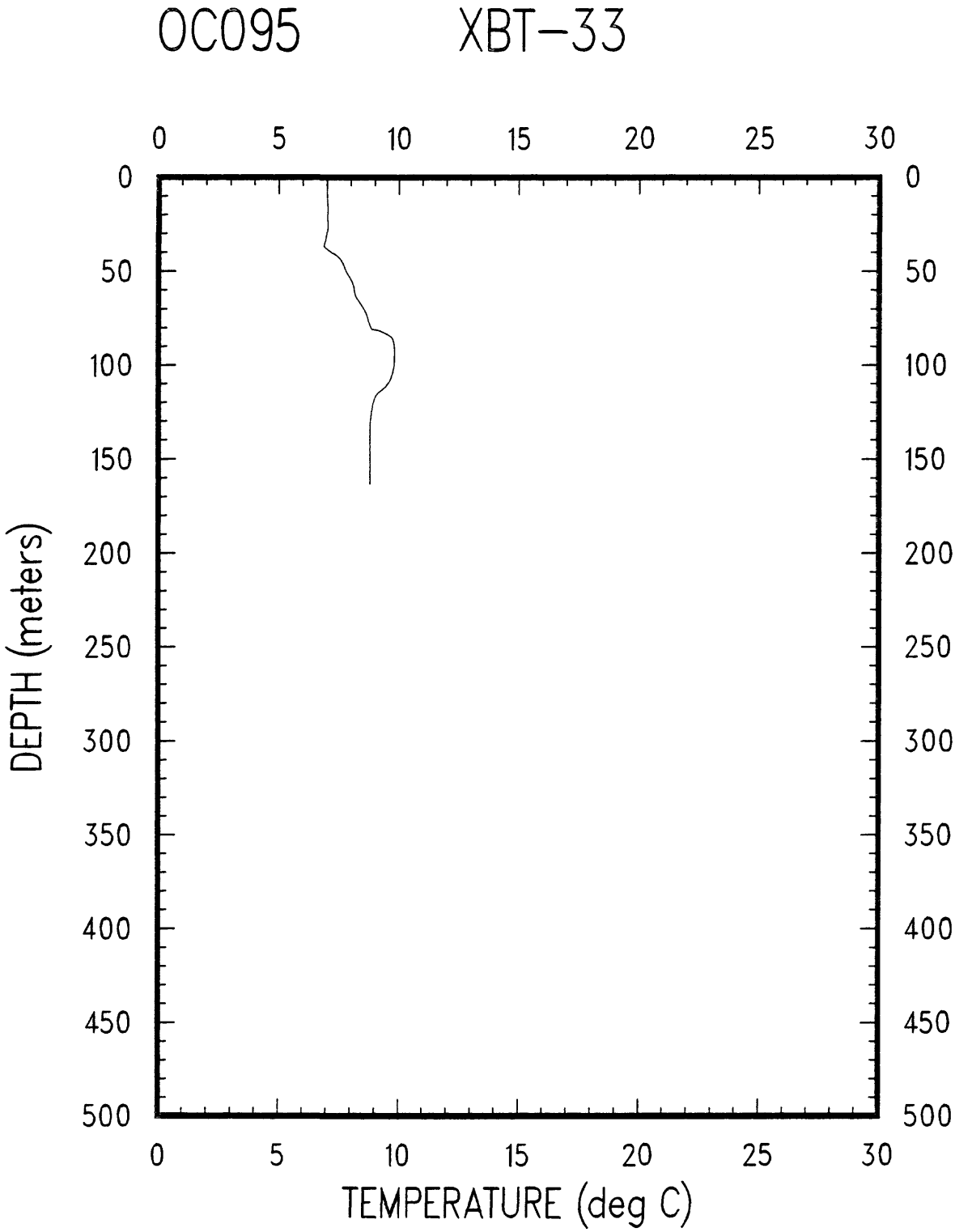


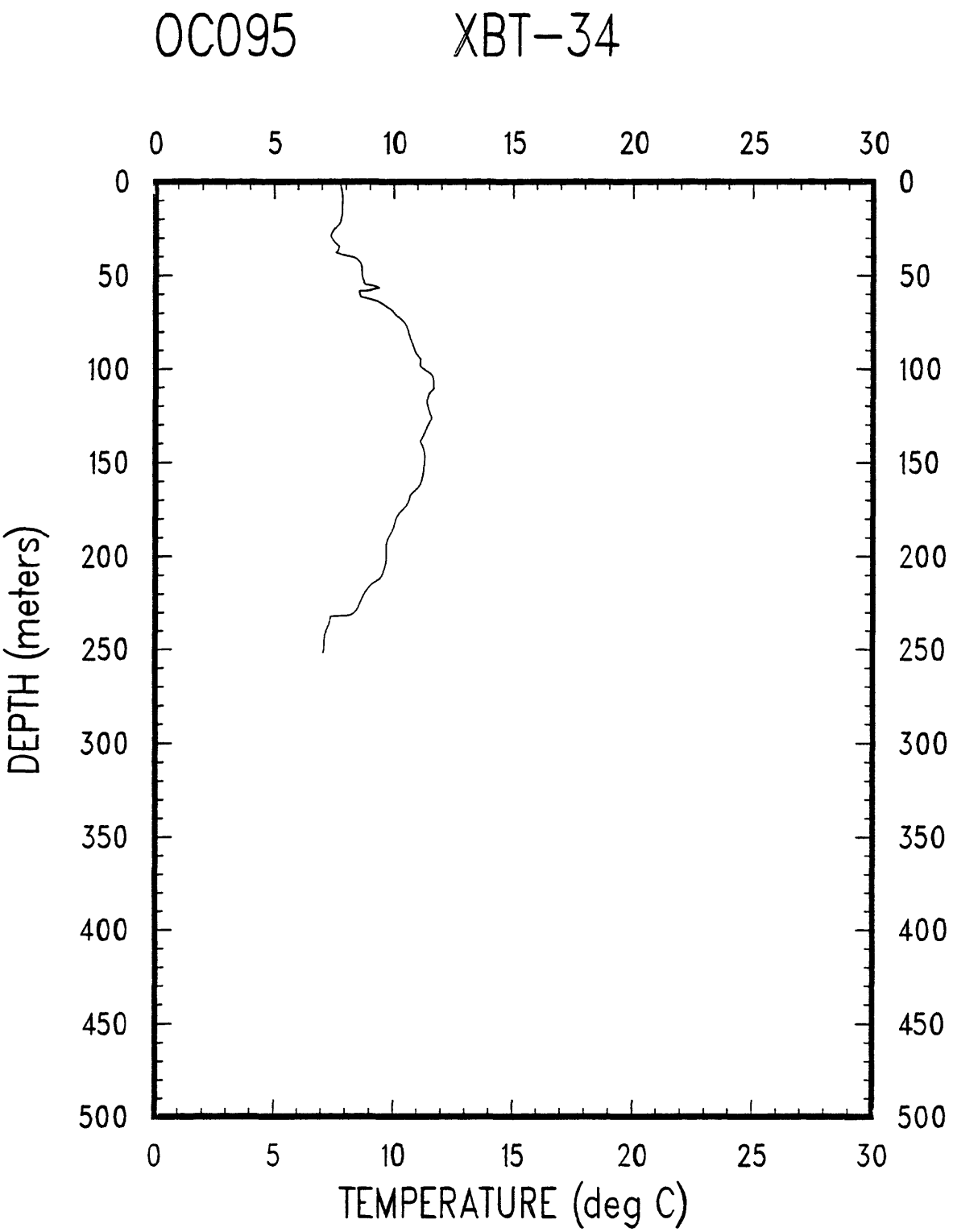

OC095 XBT-29
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

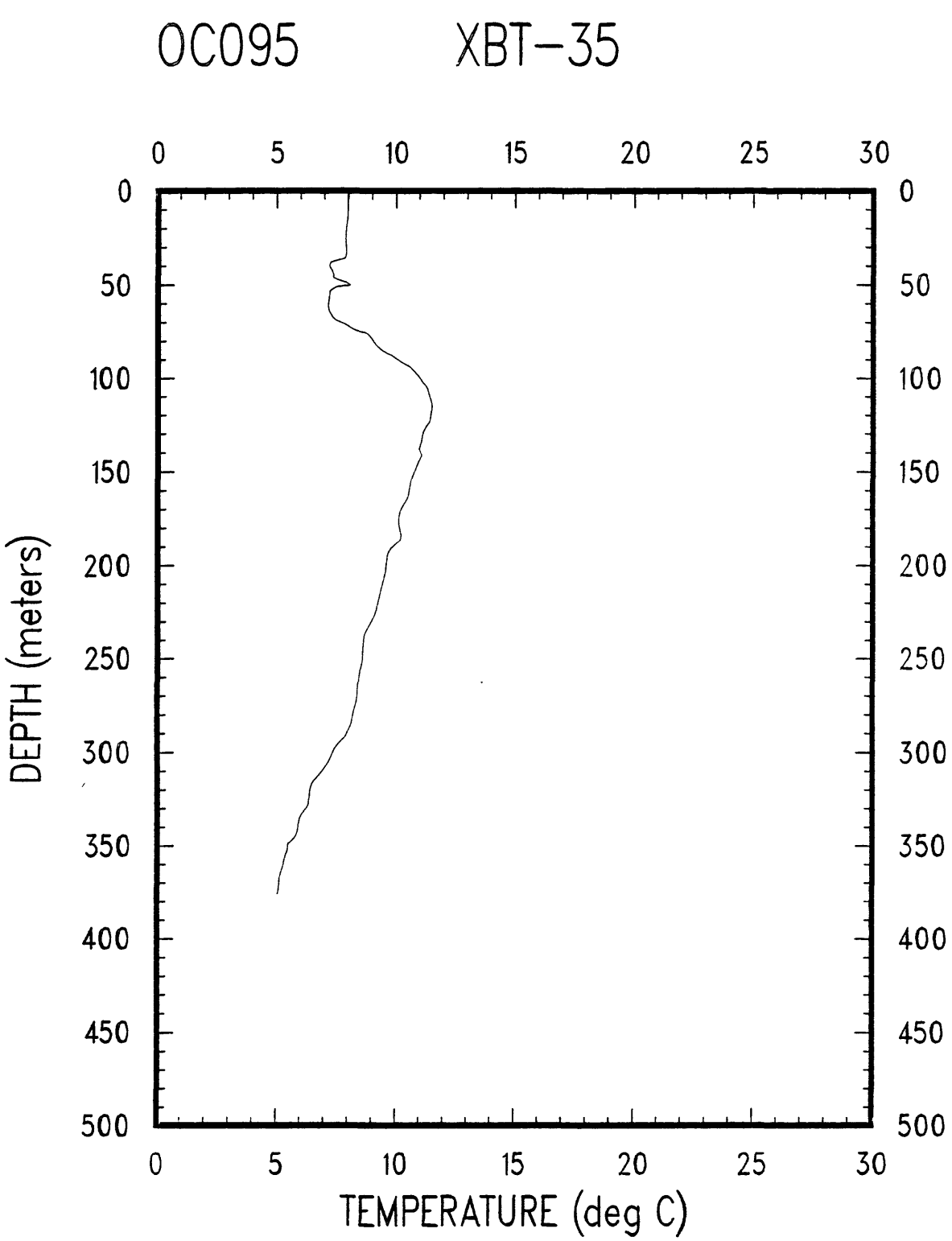

OC095 XBT-30
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

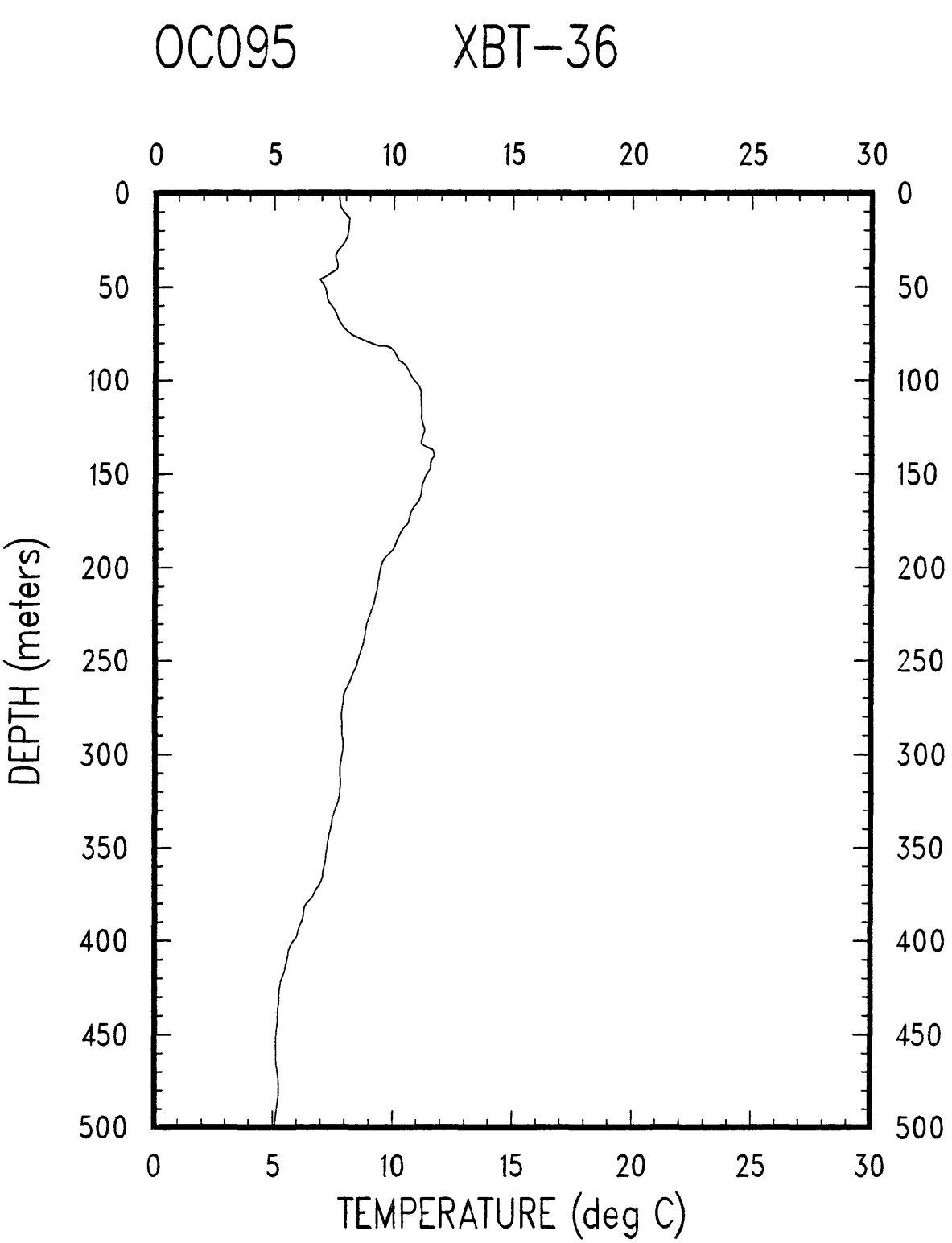

OC095 XBT-31
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

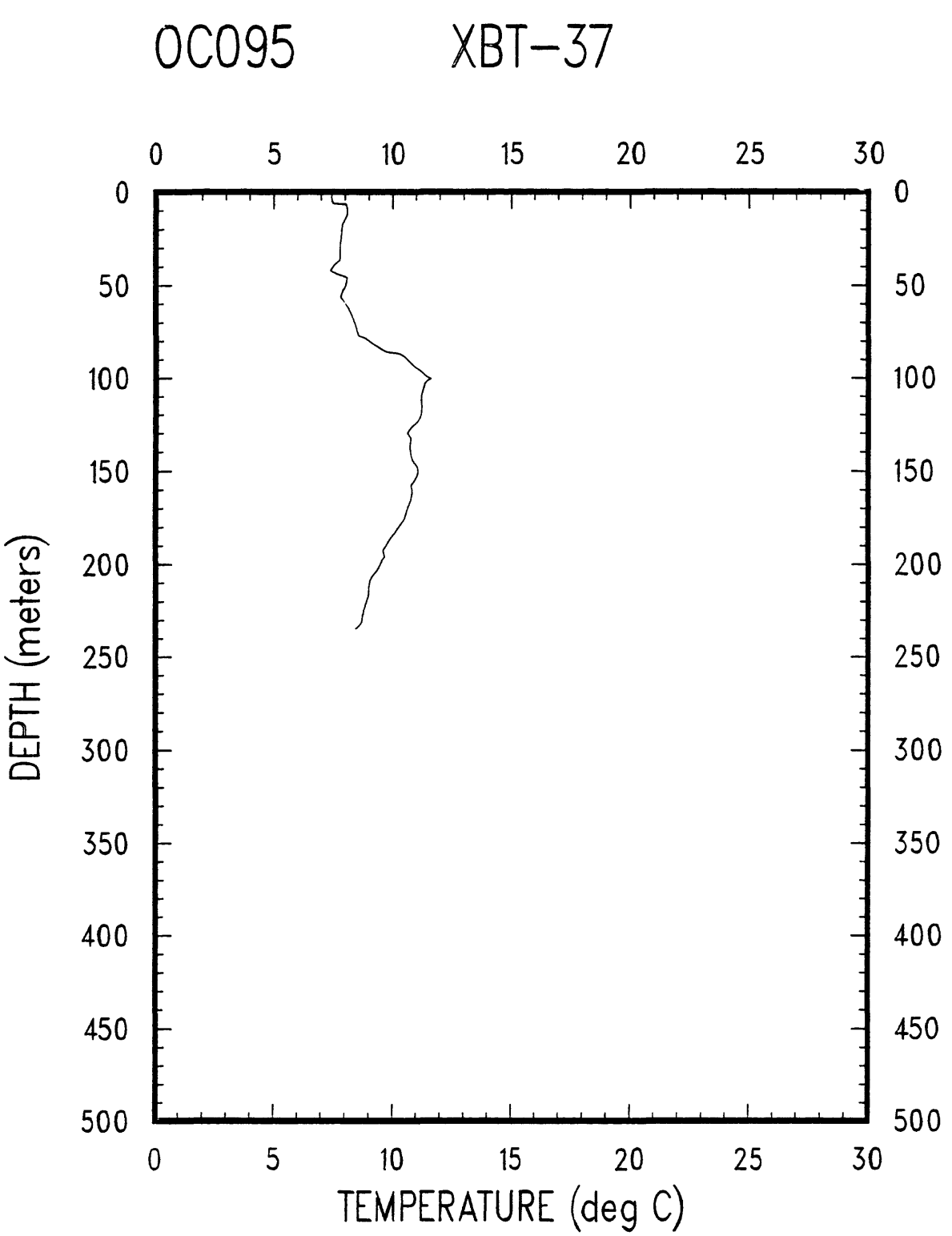

OC095 XBT-32
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)


OC095 XBT-33
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

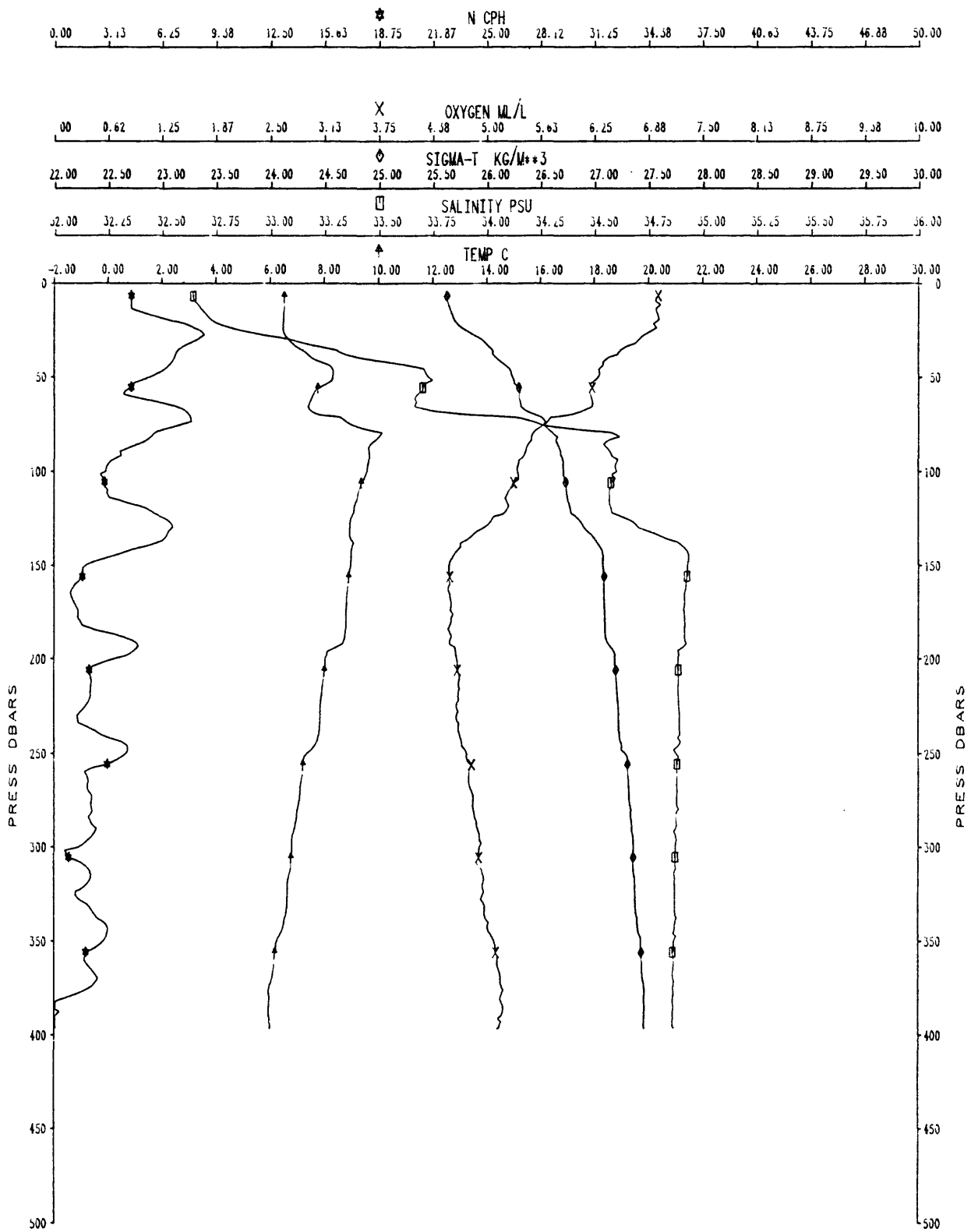

OC095 XBT-34
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC095 XBT-35
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

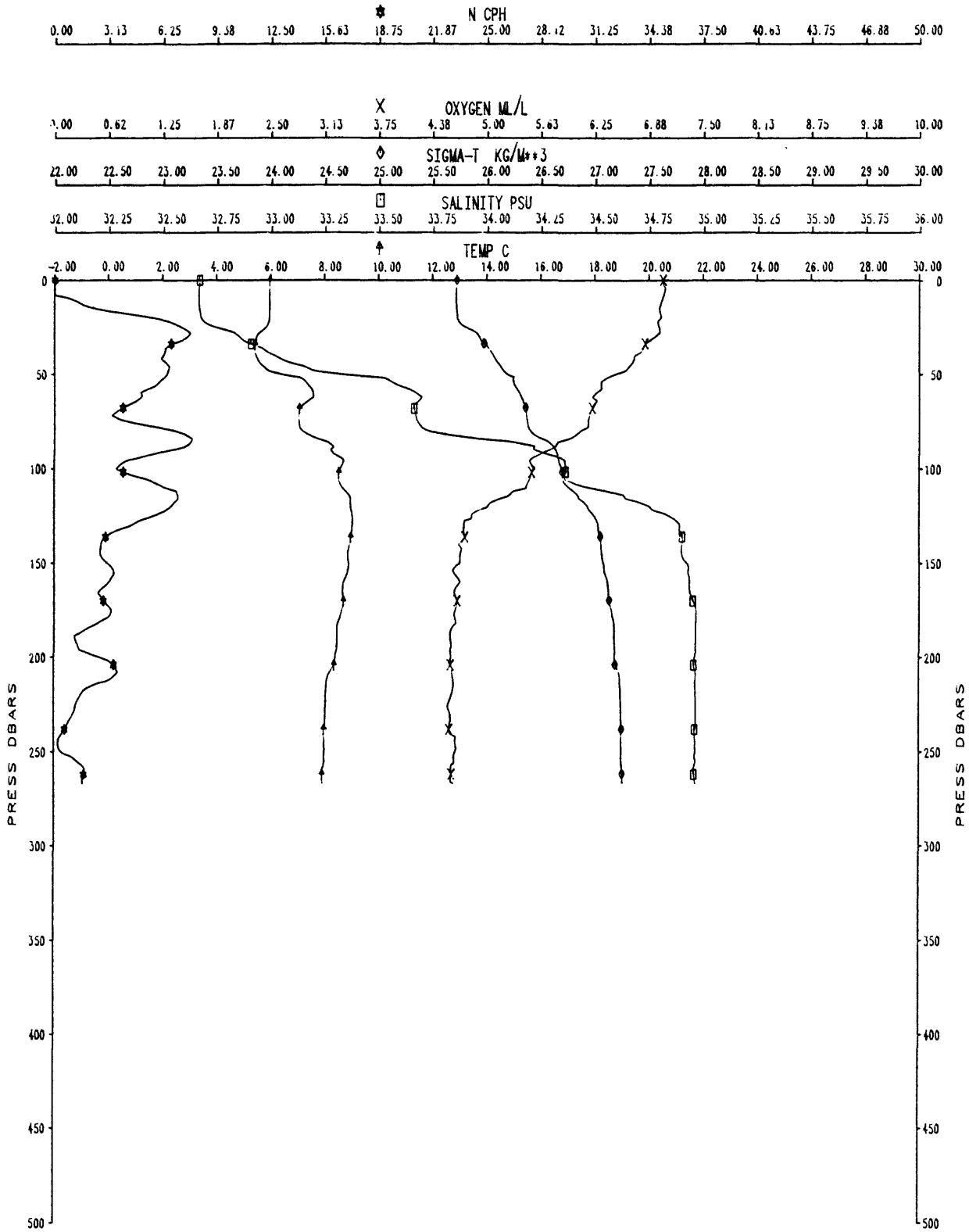

OC095 XBT-36
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)


OC095 XBT-37
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

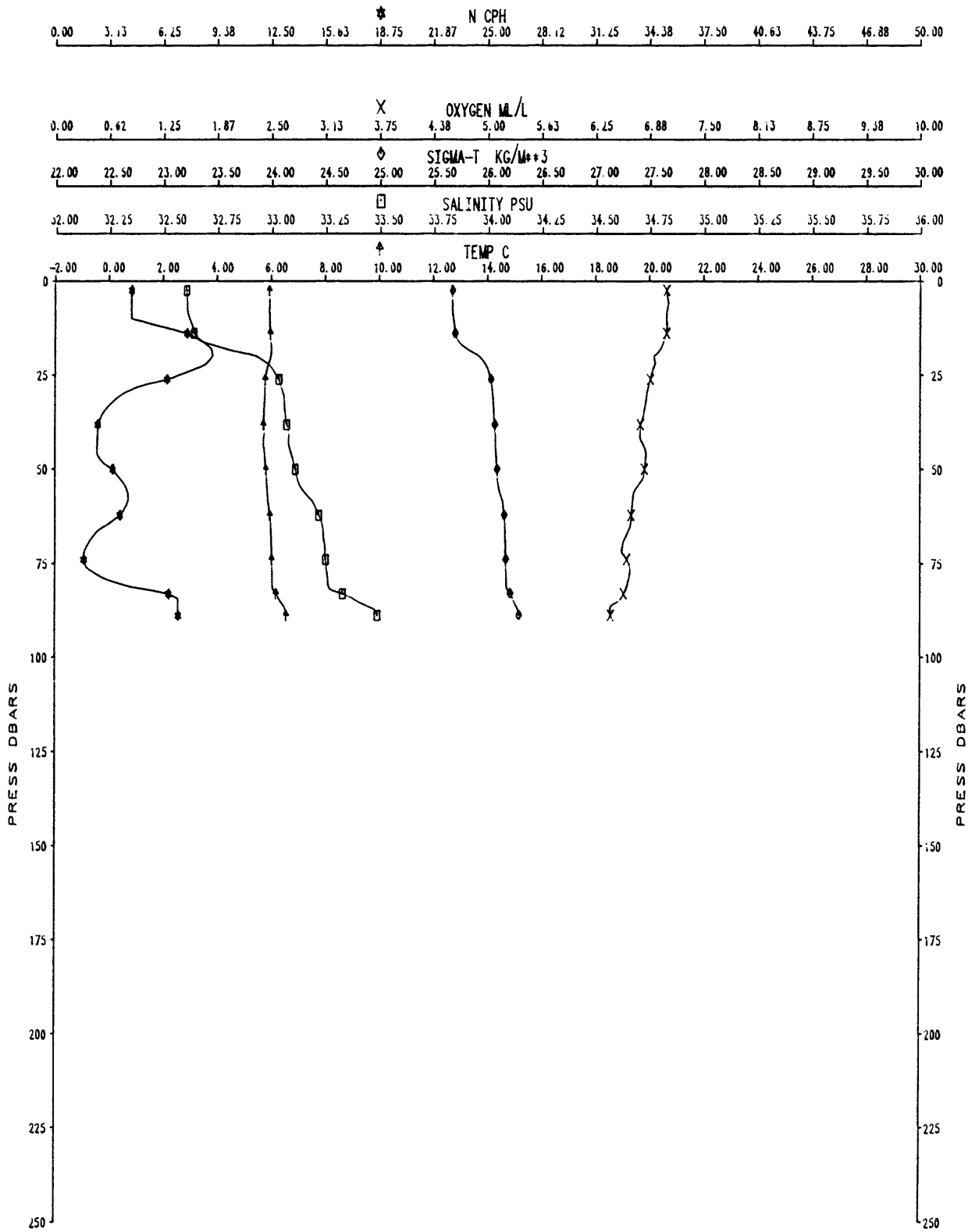
OC095U CAST #39



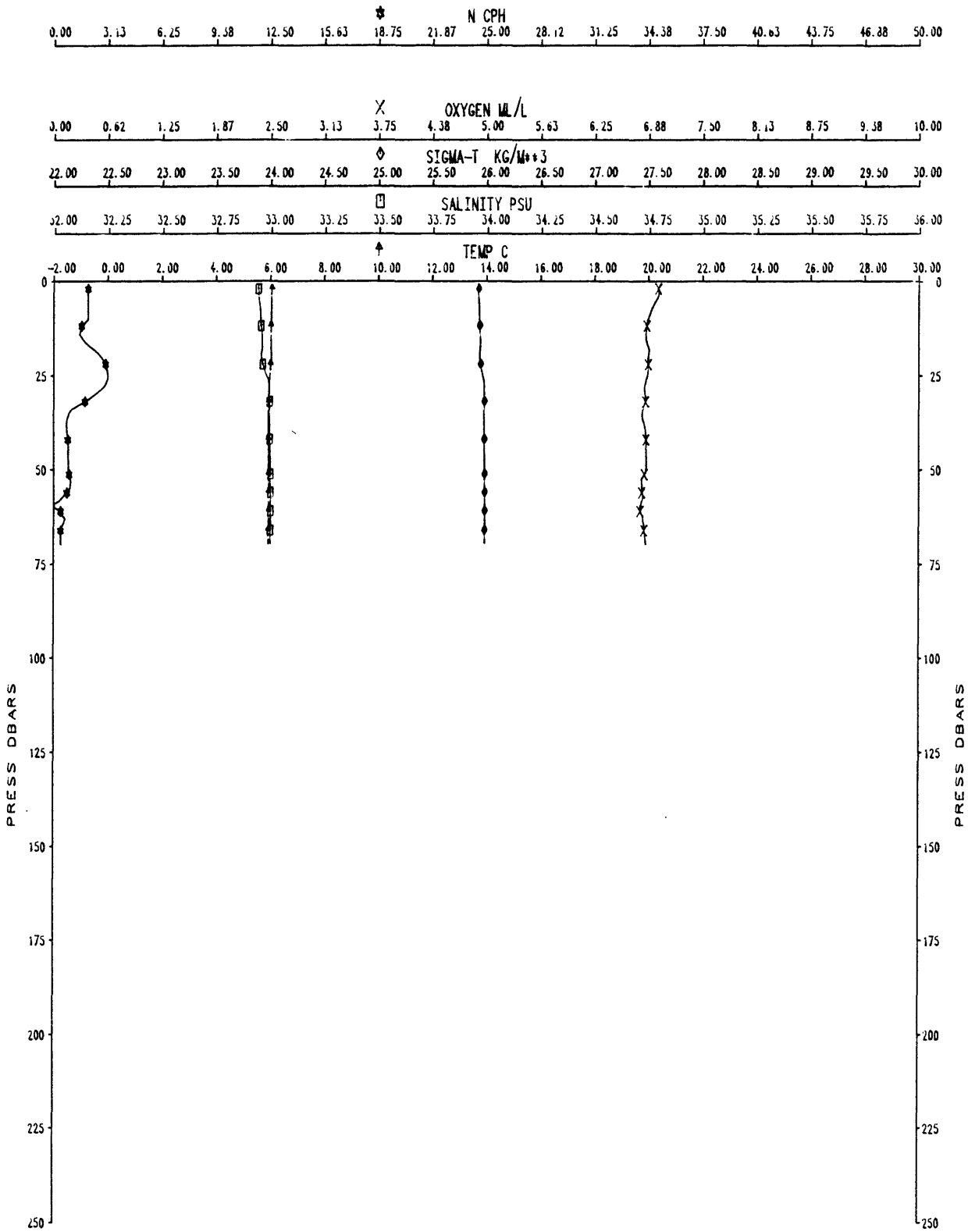
OC095B CAST #40

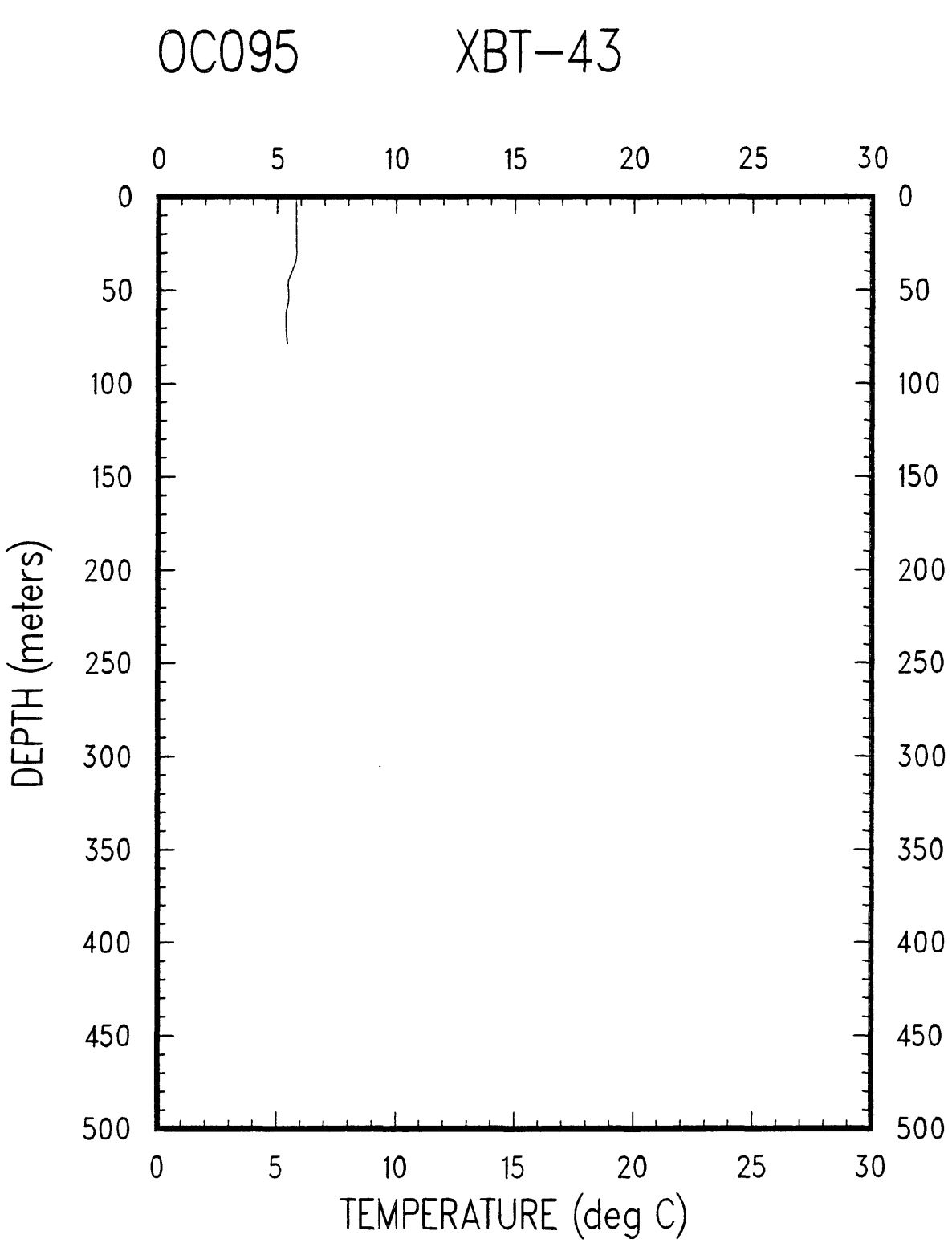


OC095A CAST #41

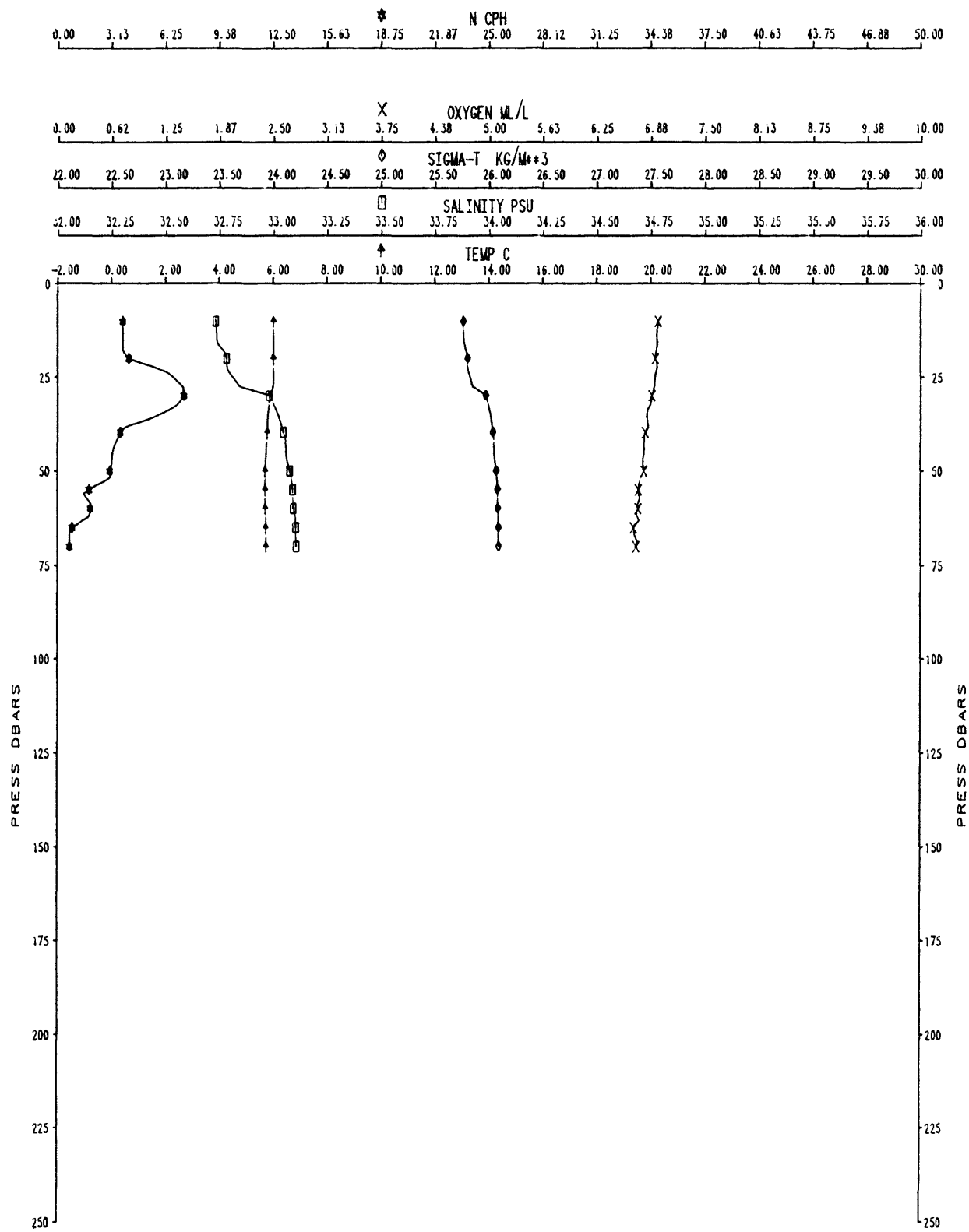


JC095A CAST #42

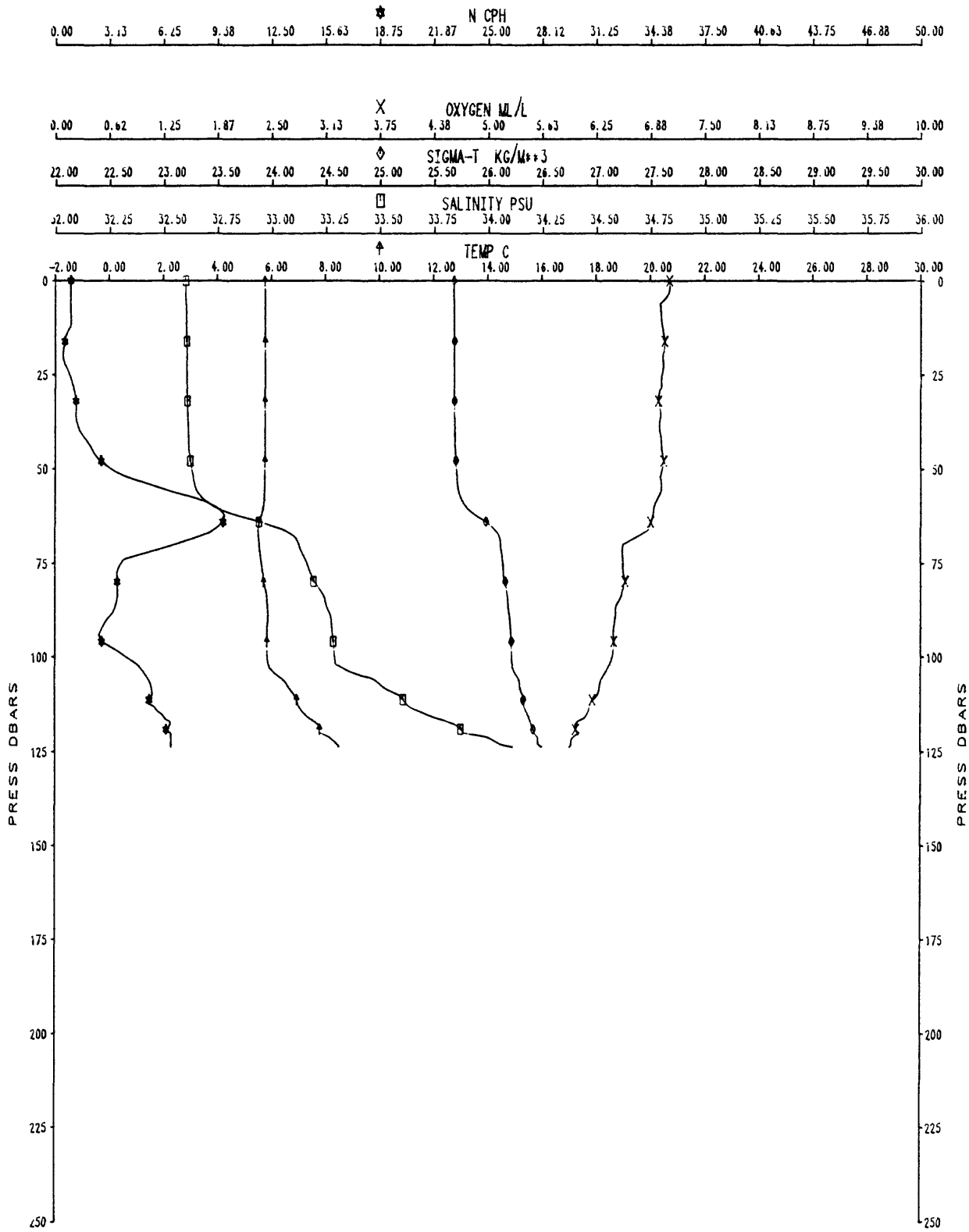


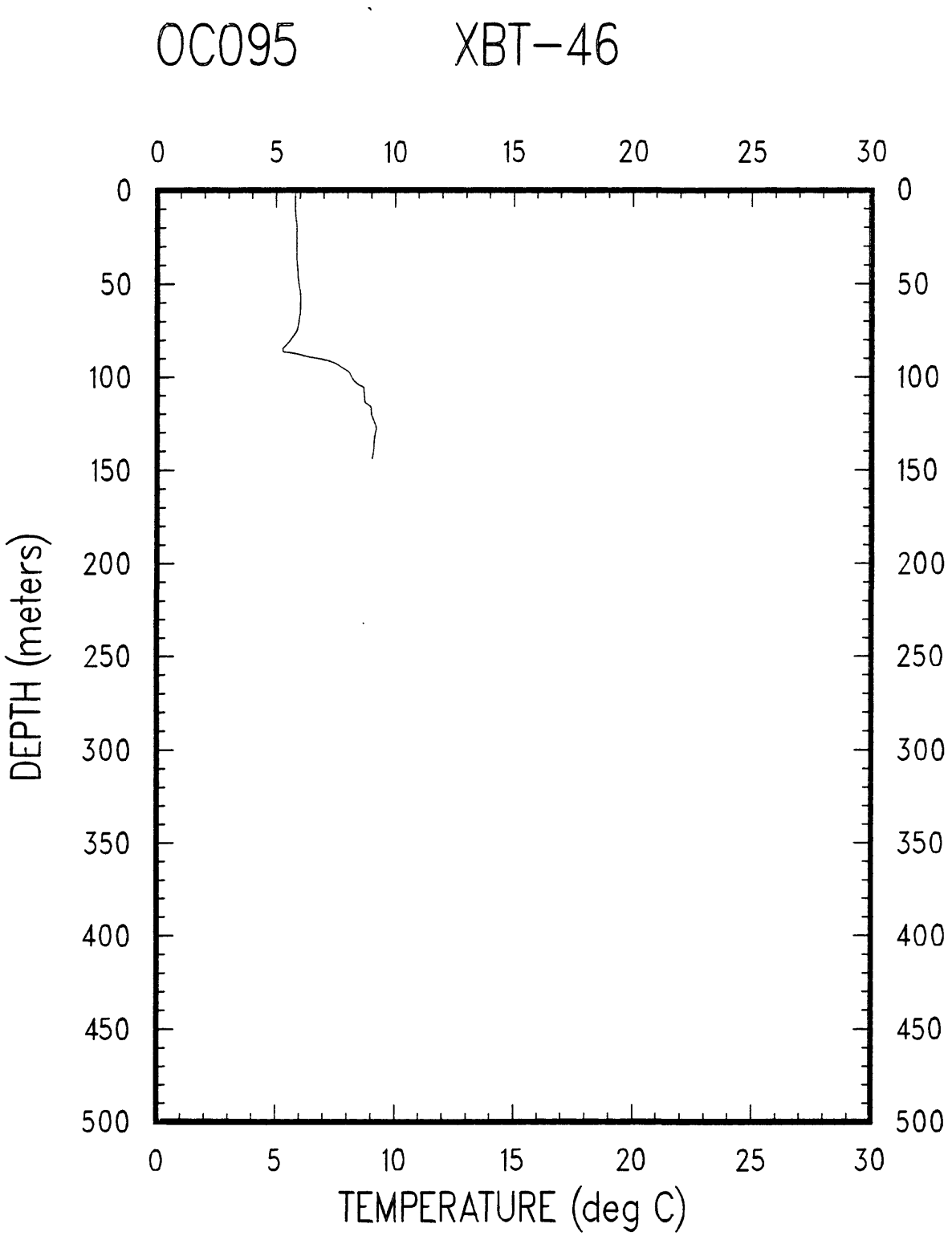

OC095 XBT-43
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

JC095A CAST #44

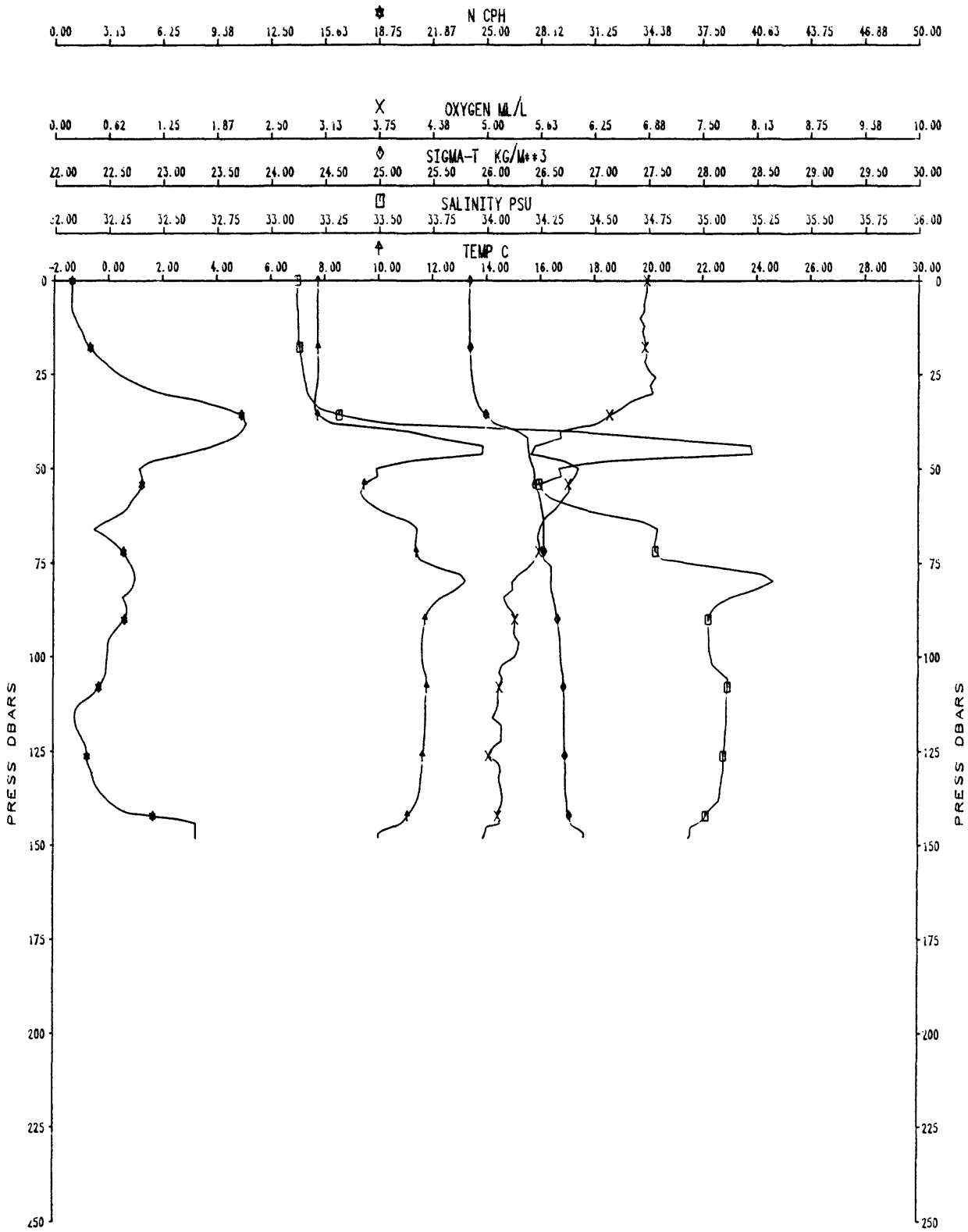


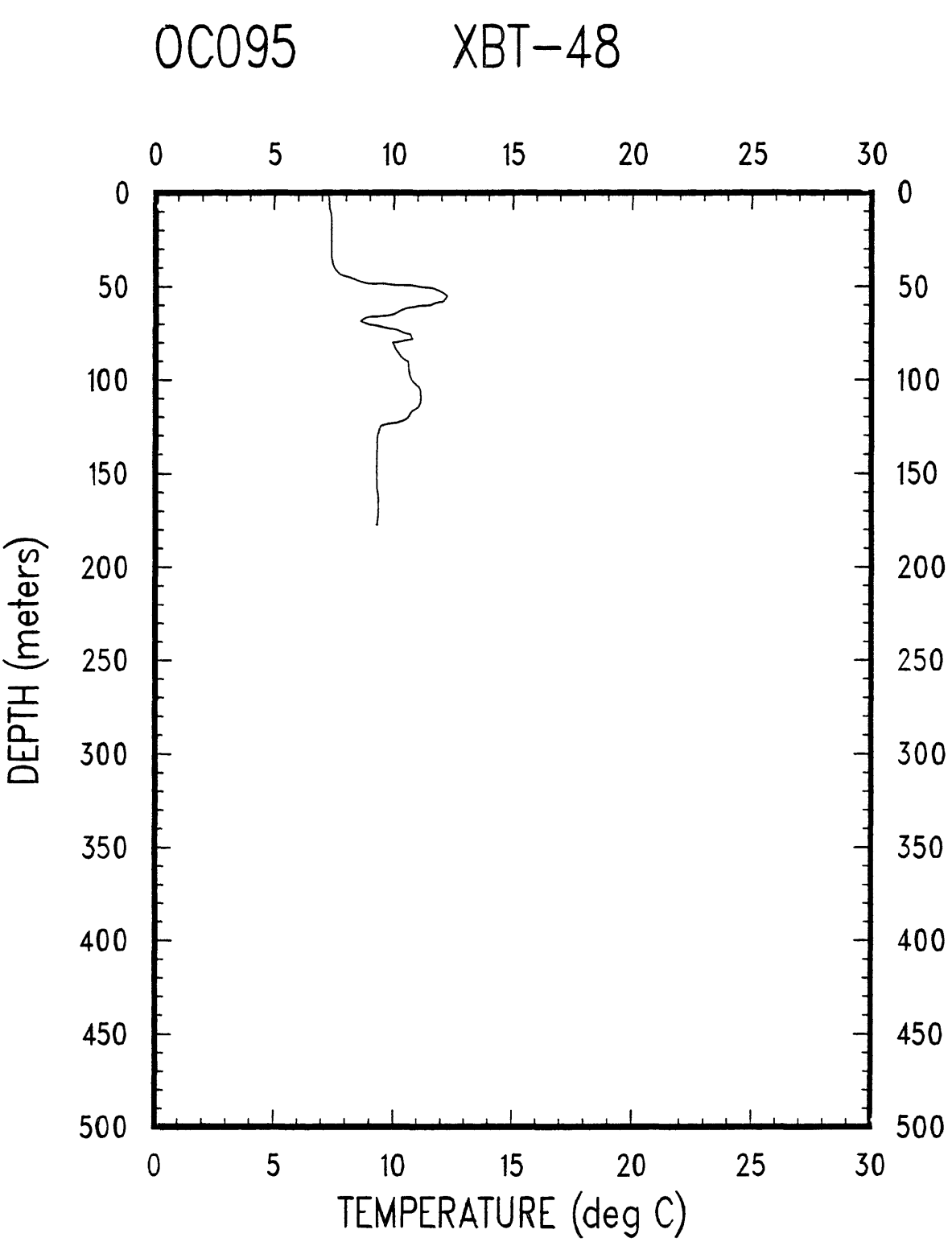
JC095B CAST #45



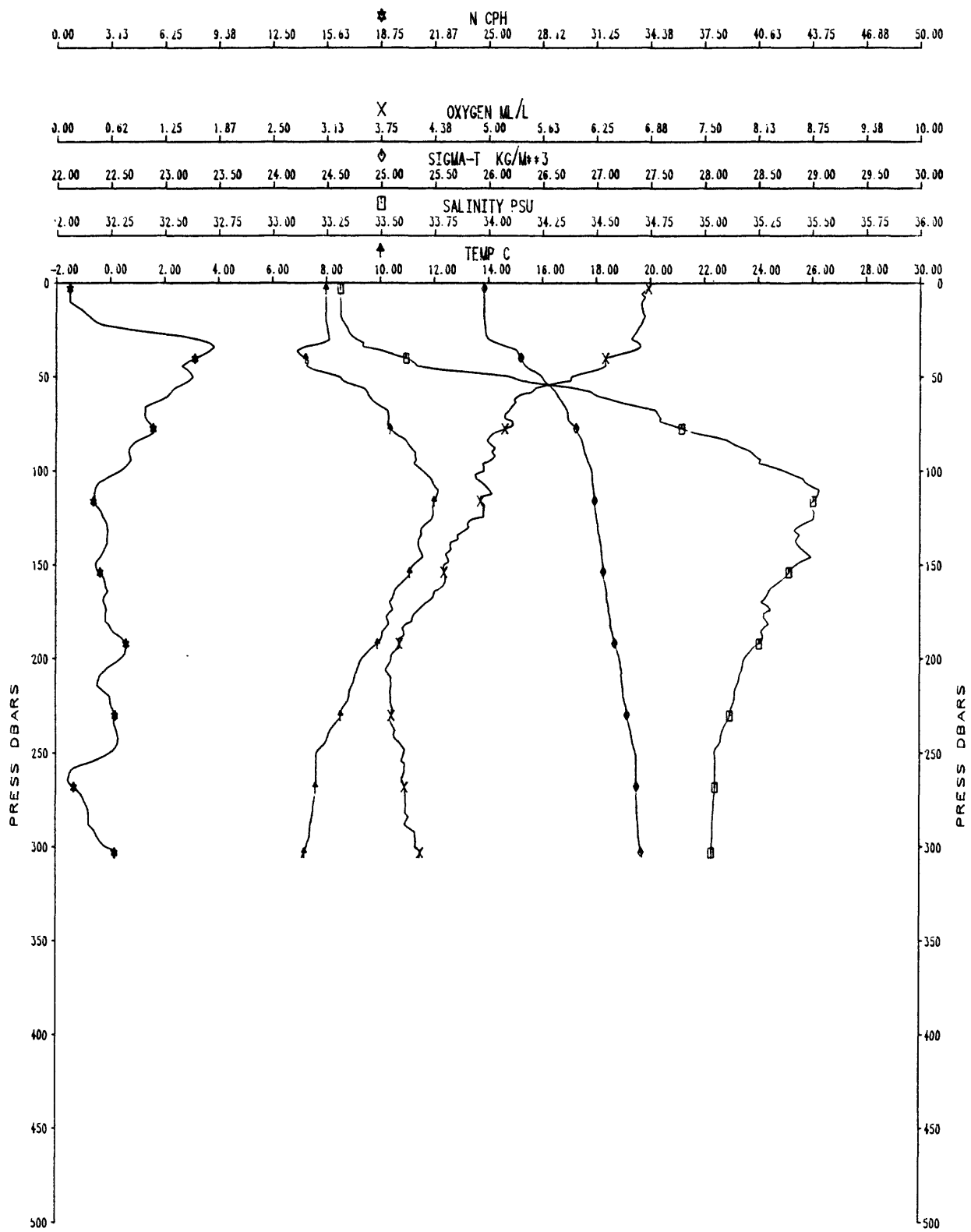

OC095 XBT-46
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC095B CAST #47

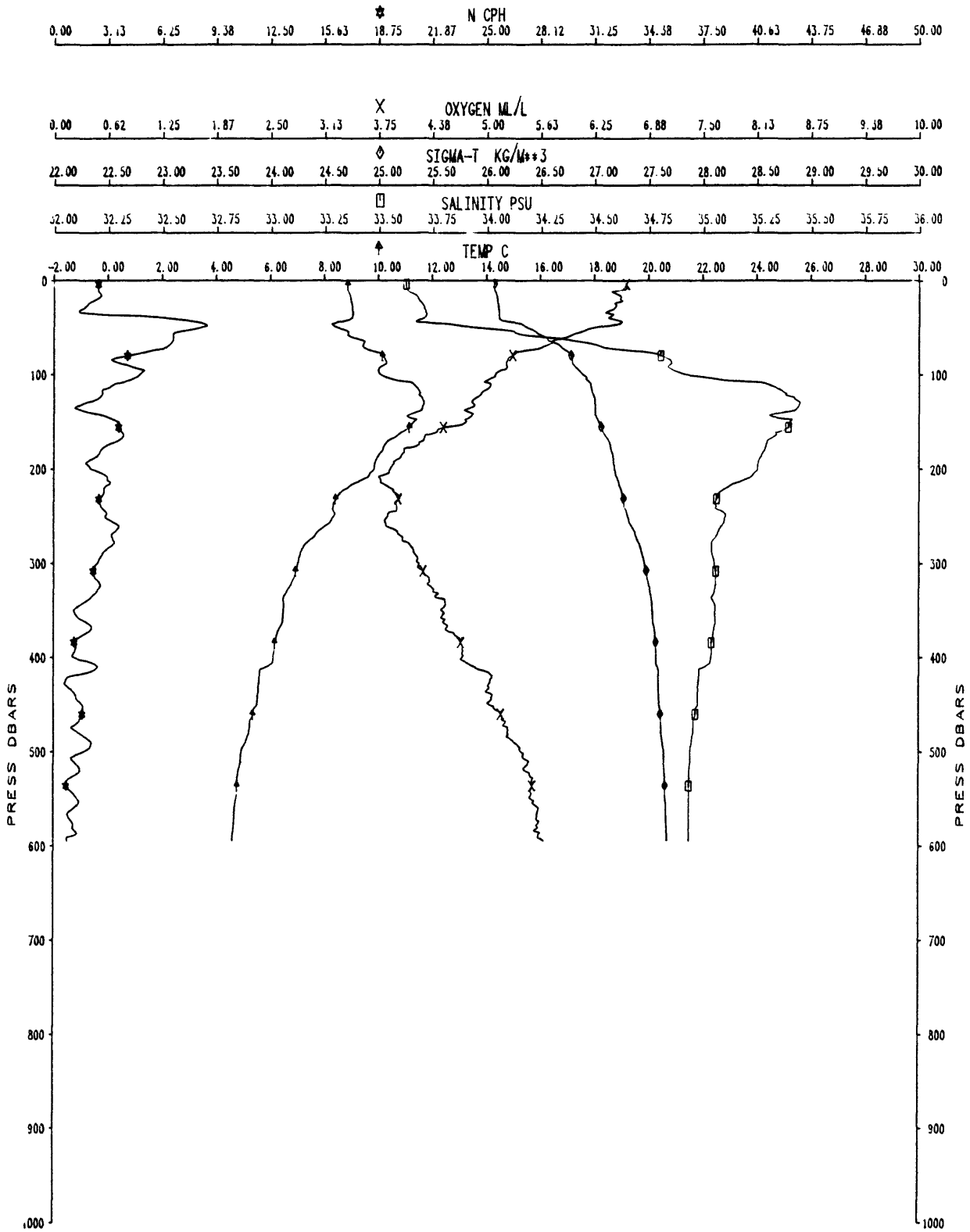


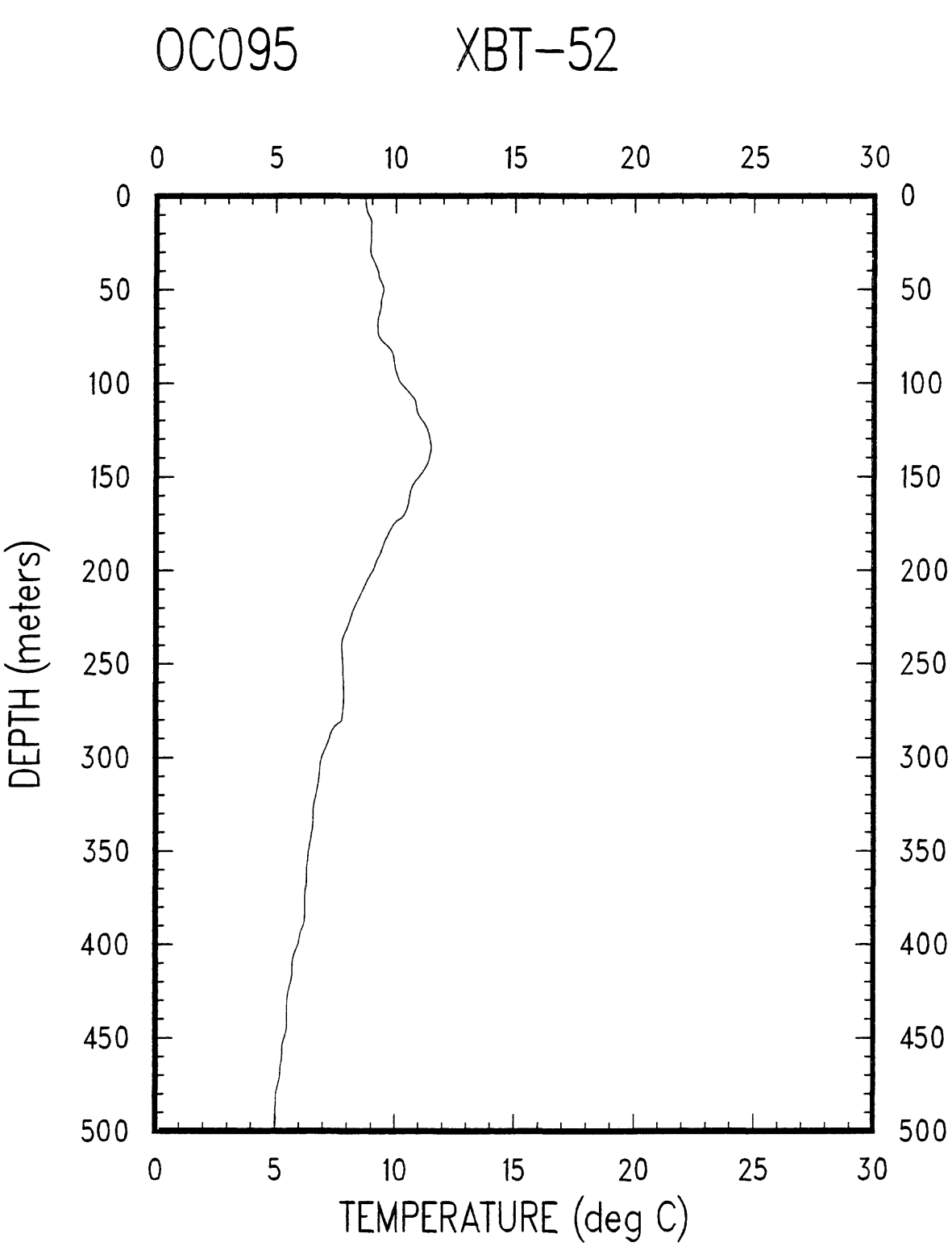

OC095 XBT-48
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

JC095A CAST #49

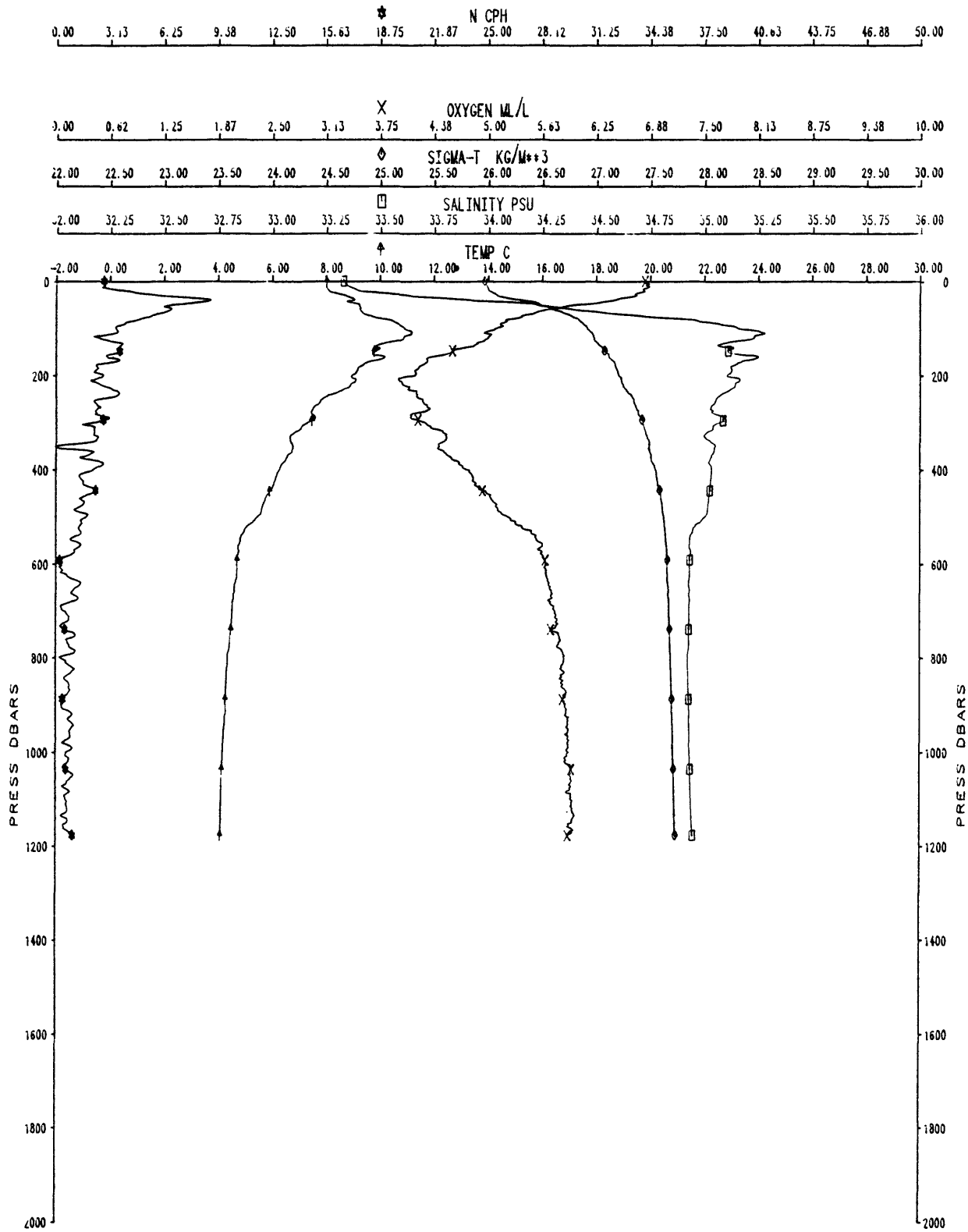


OC095A CAST #51

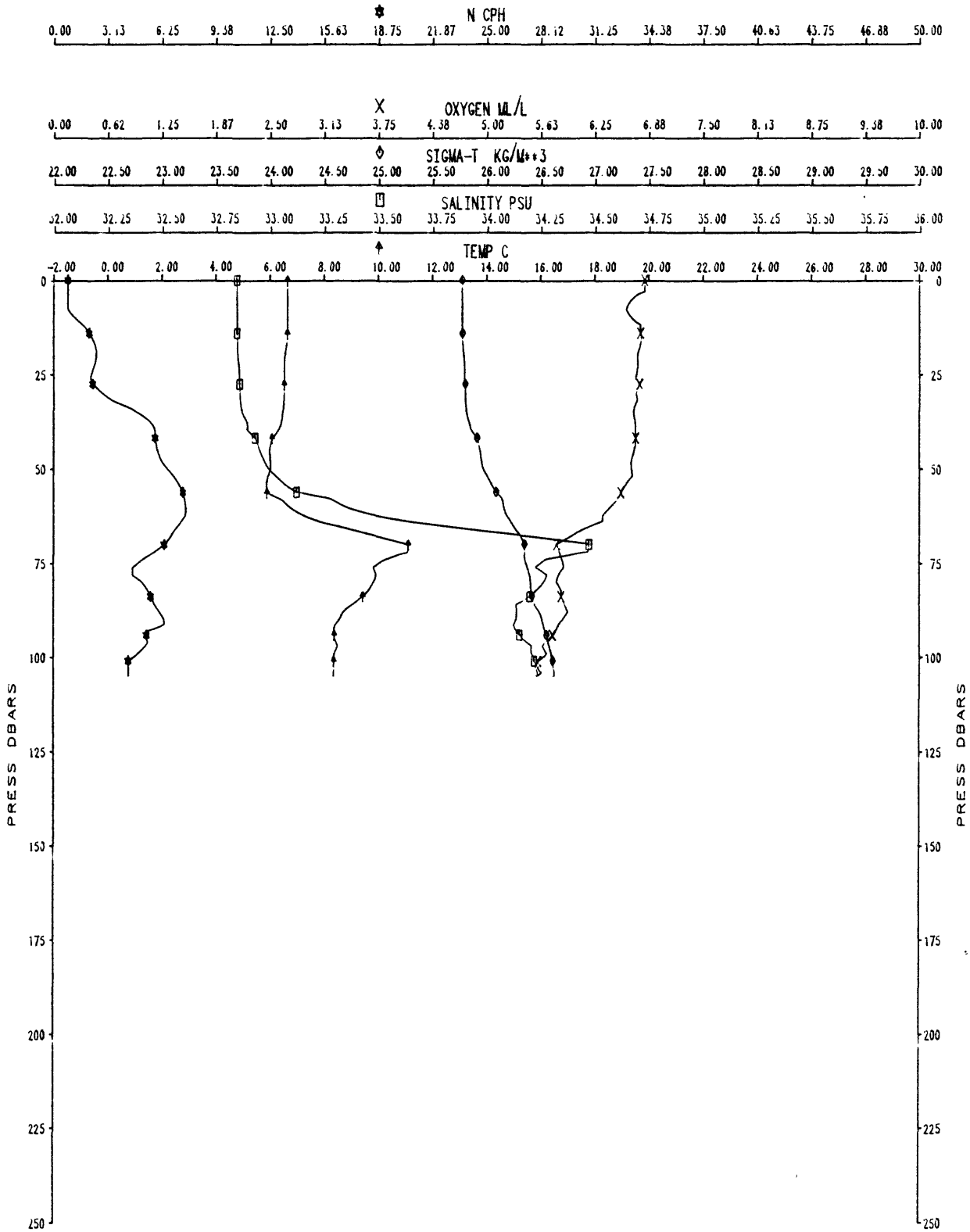


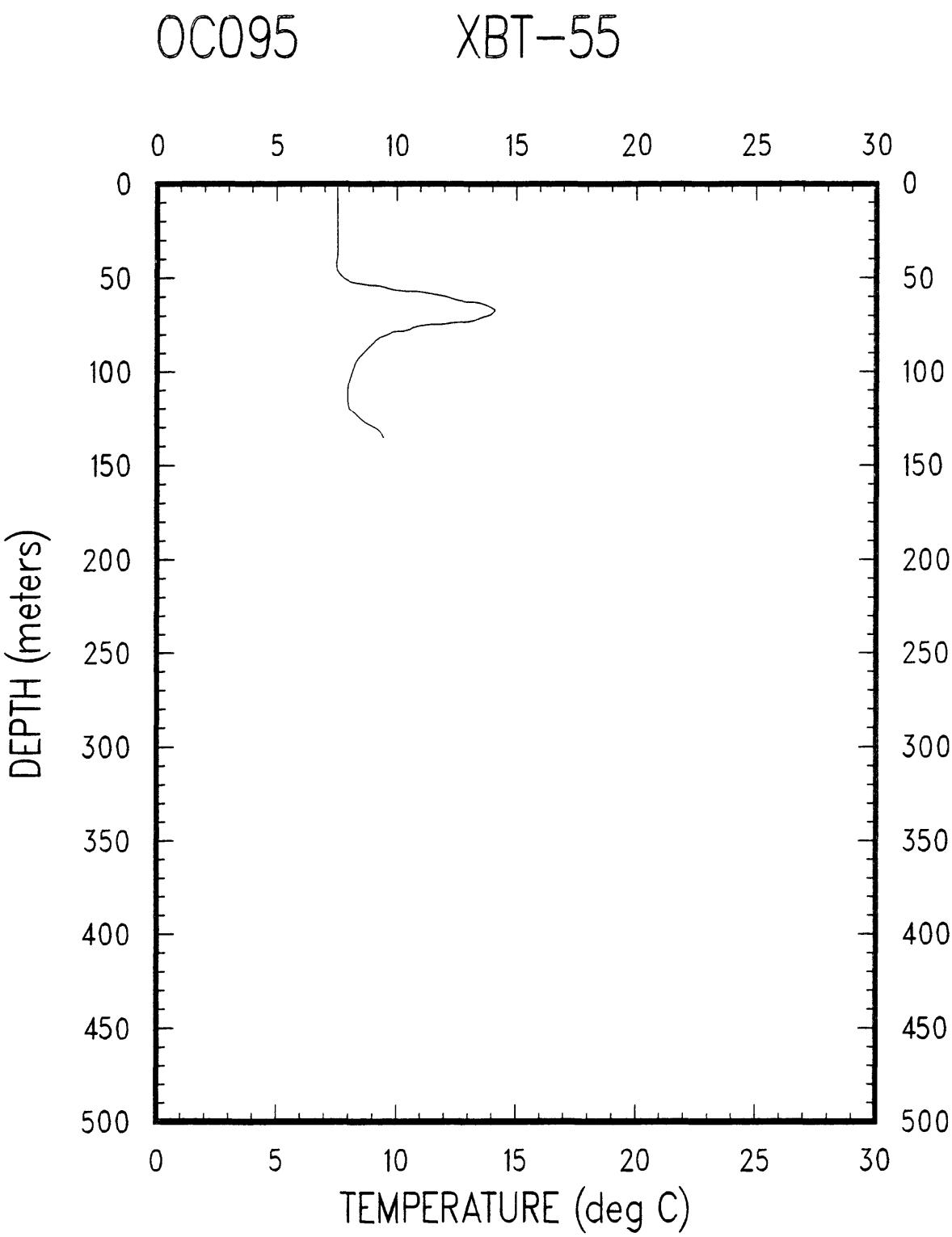

OC095 XBT-52
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

OC095B CAST #53

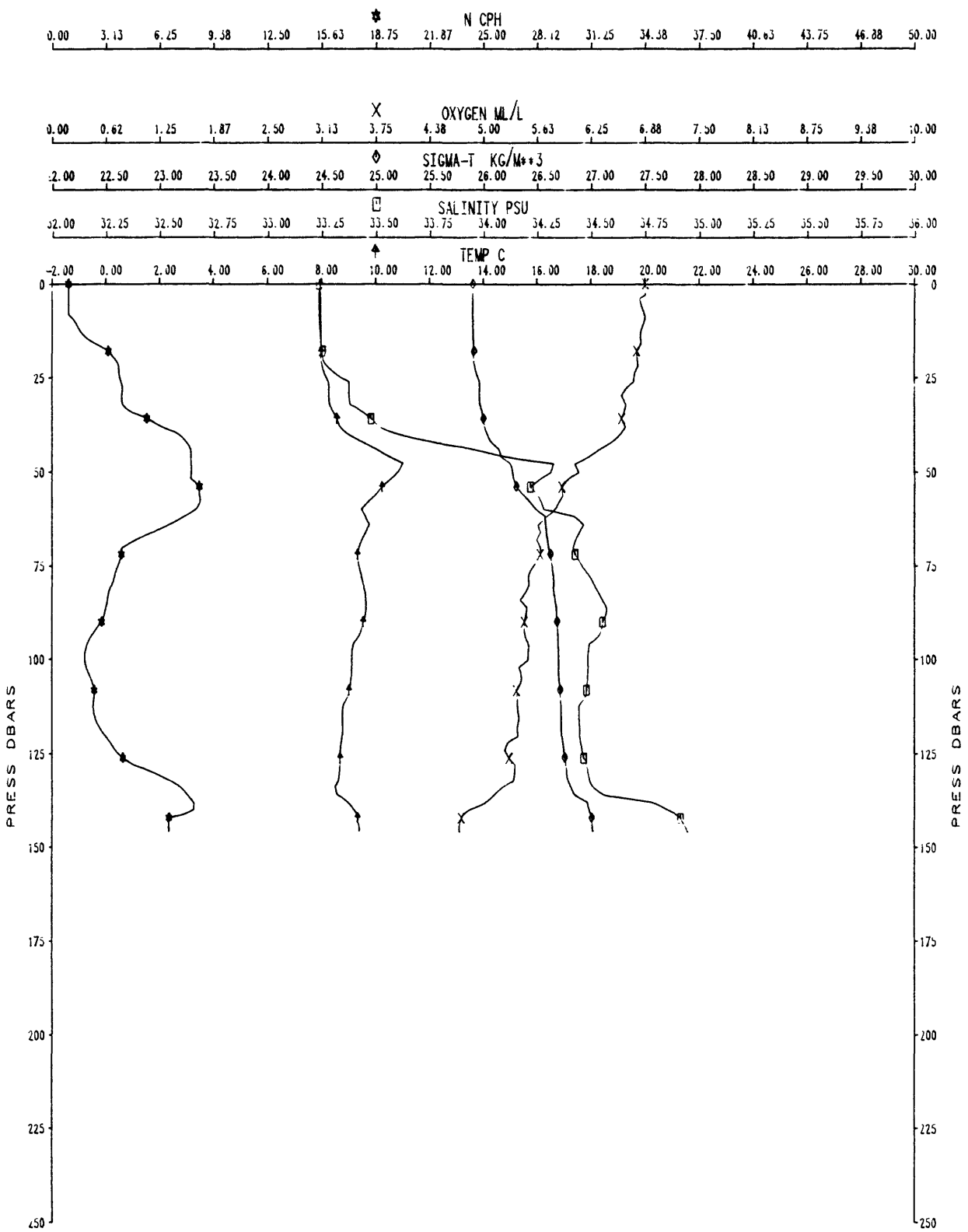


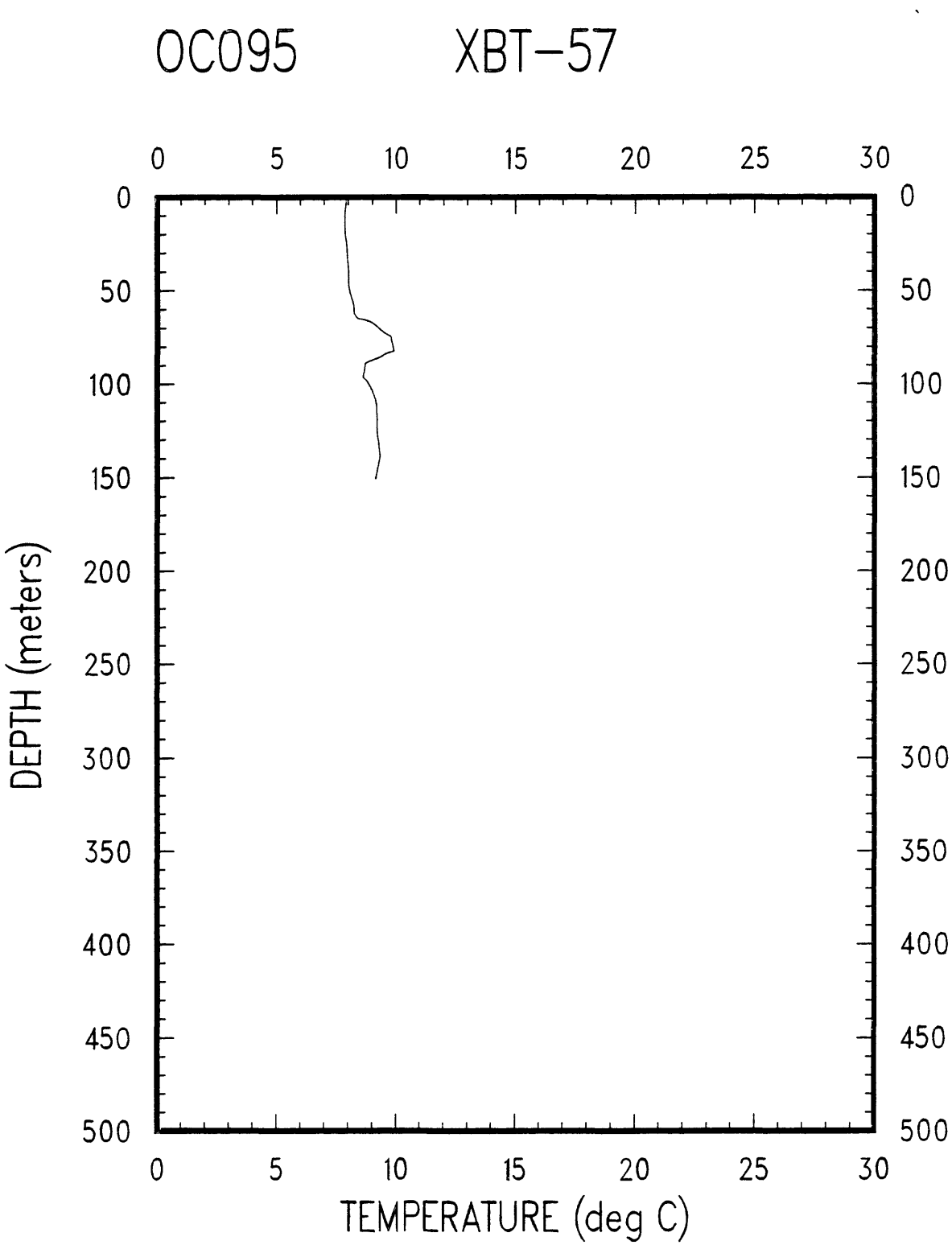
OC095B CAST #54



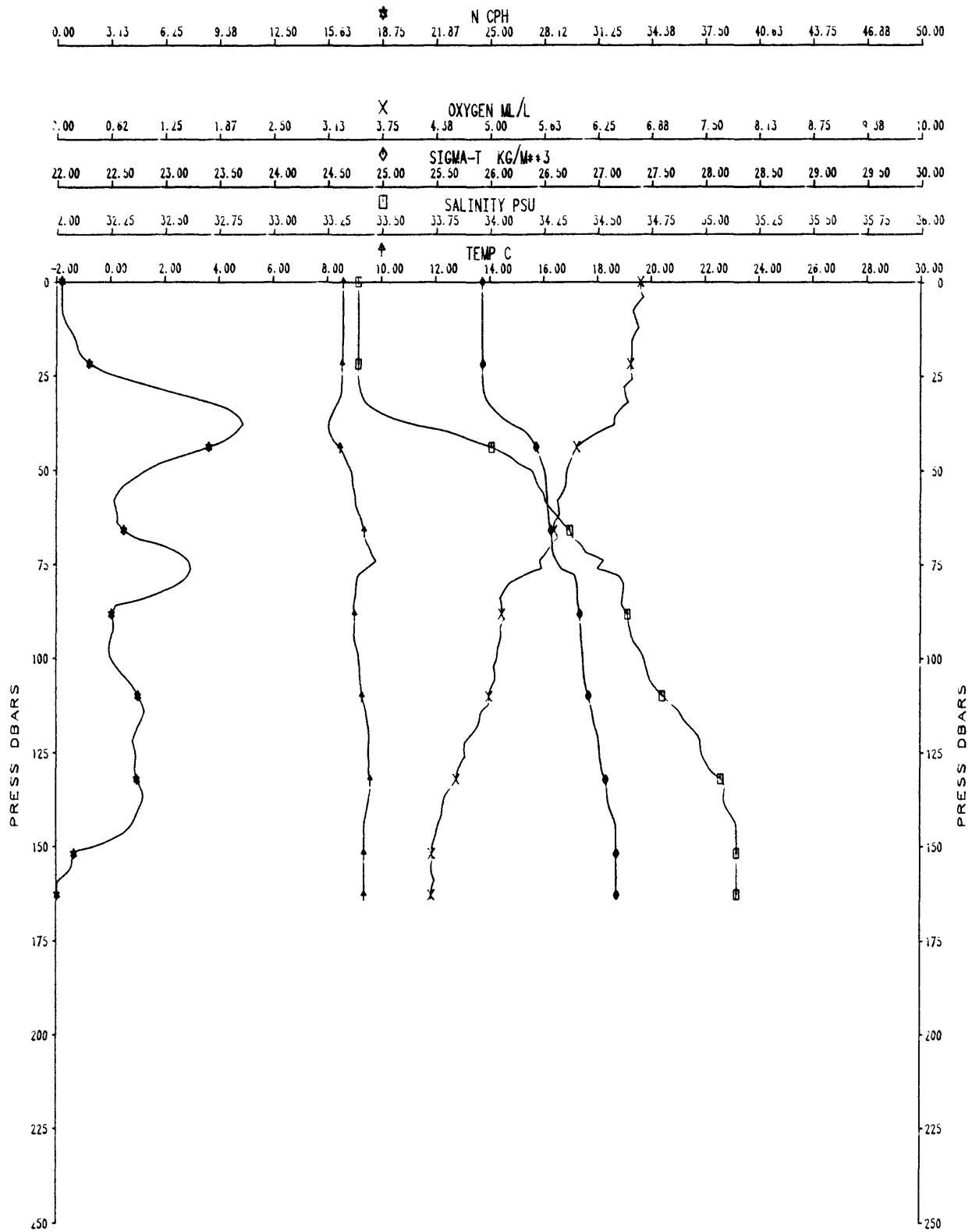

OC095 XBT-55
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

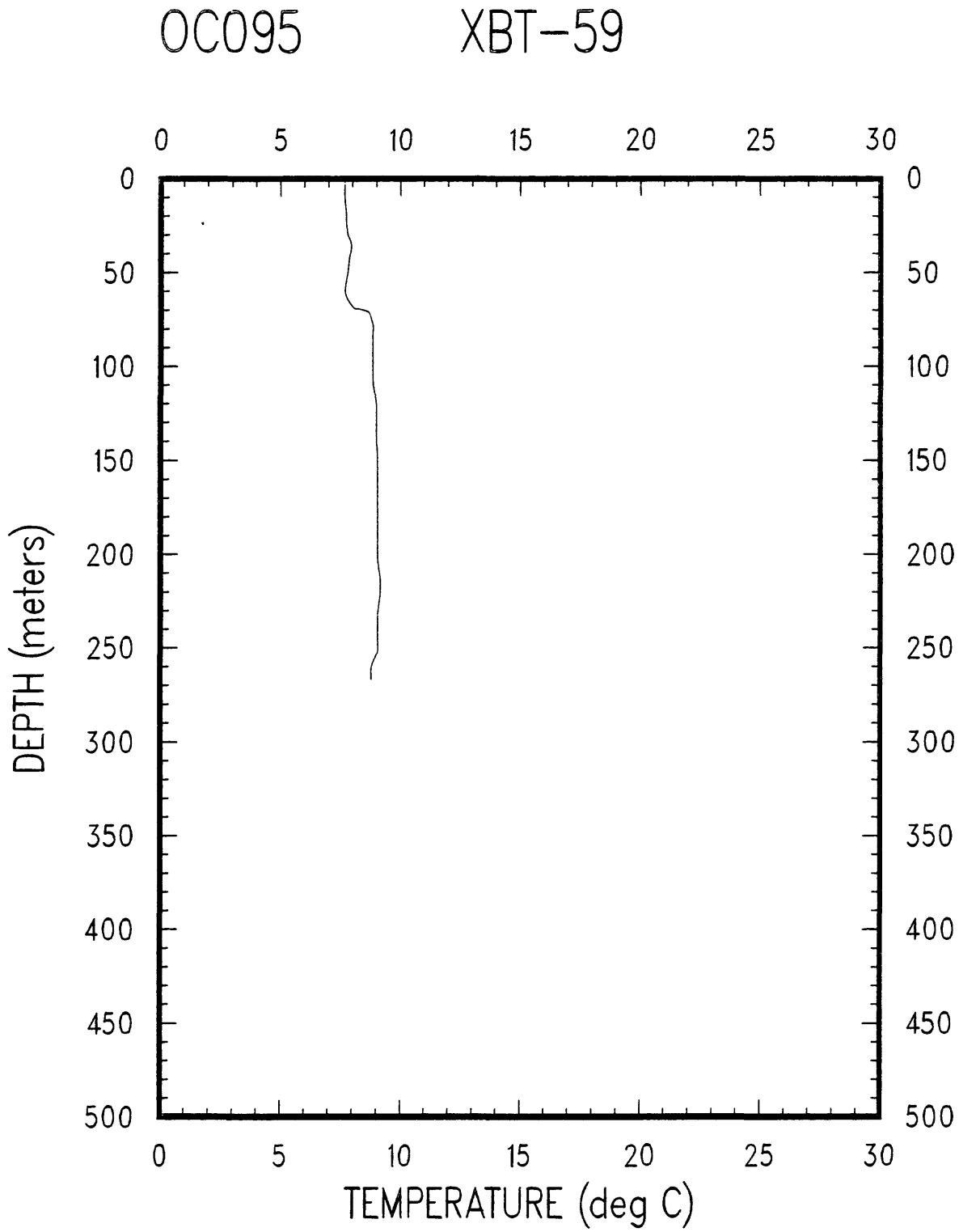
OC095B CAST #56



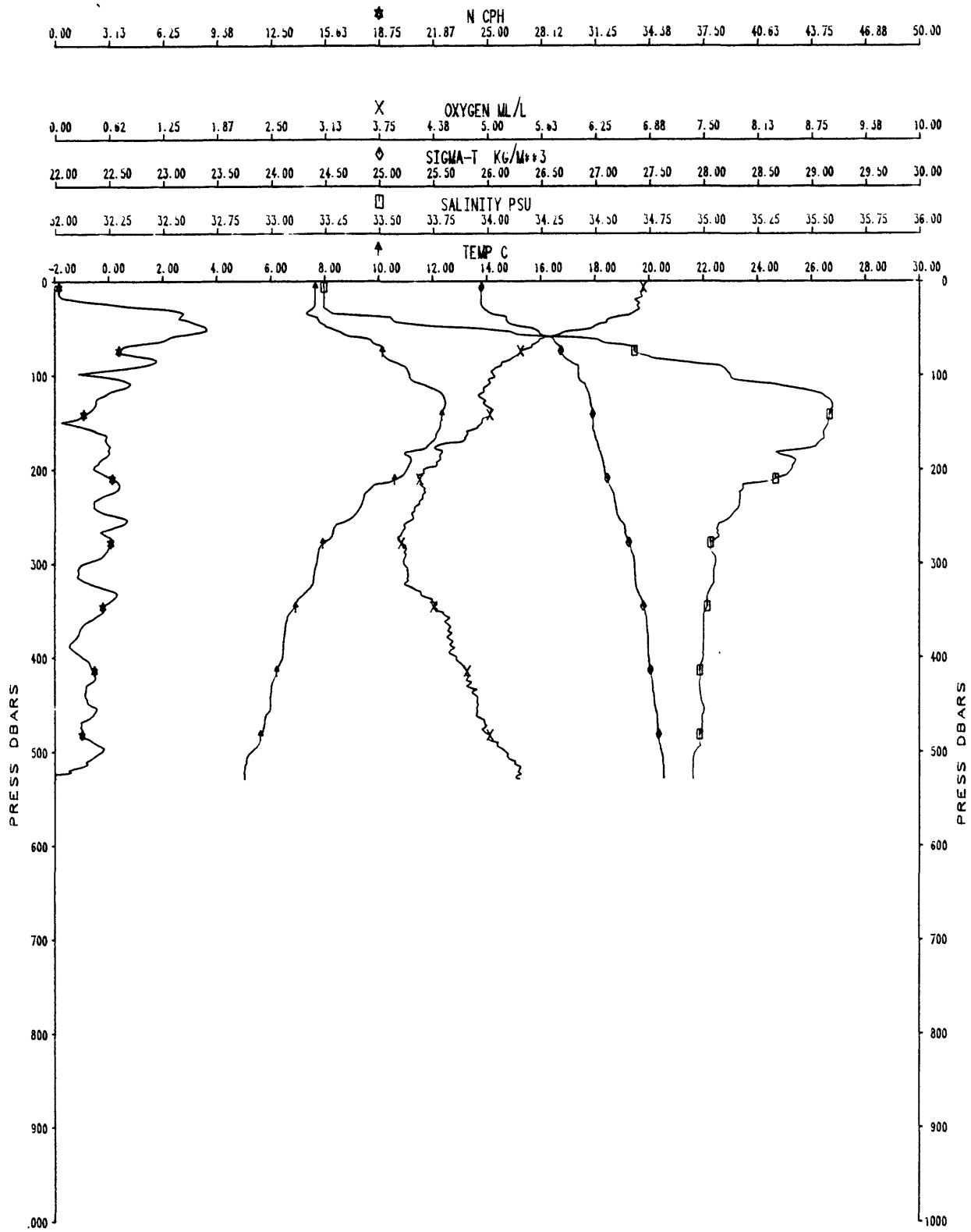

OC095 XBT-57
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

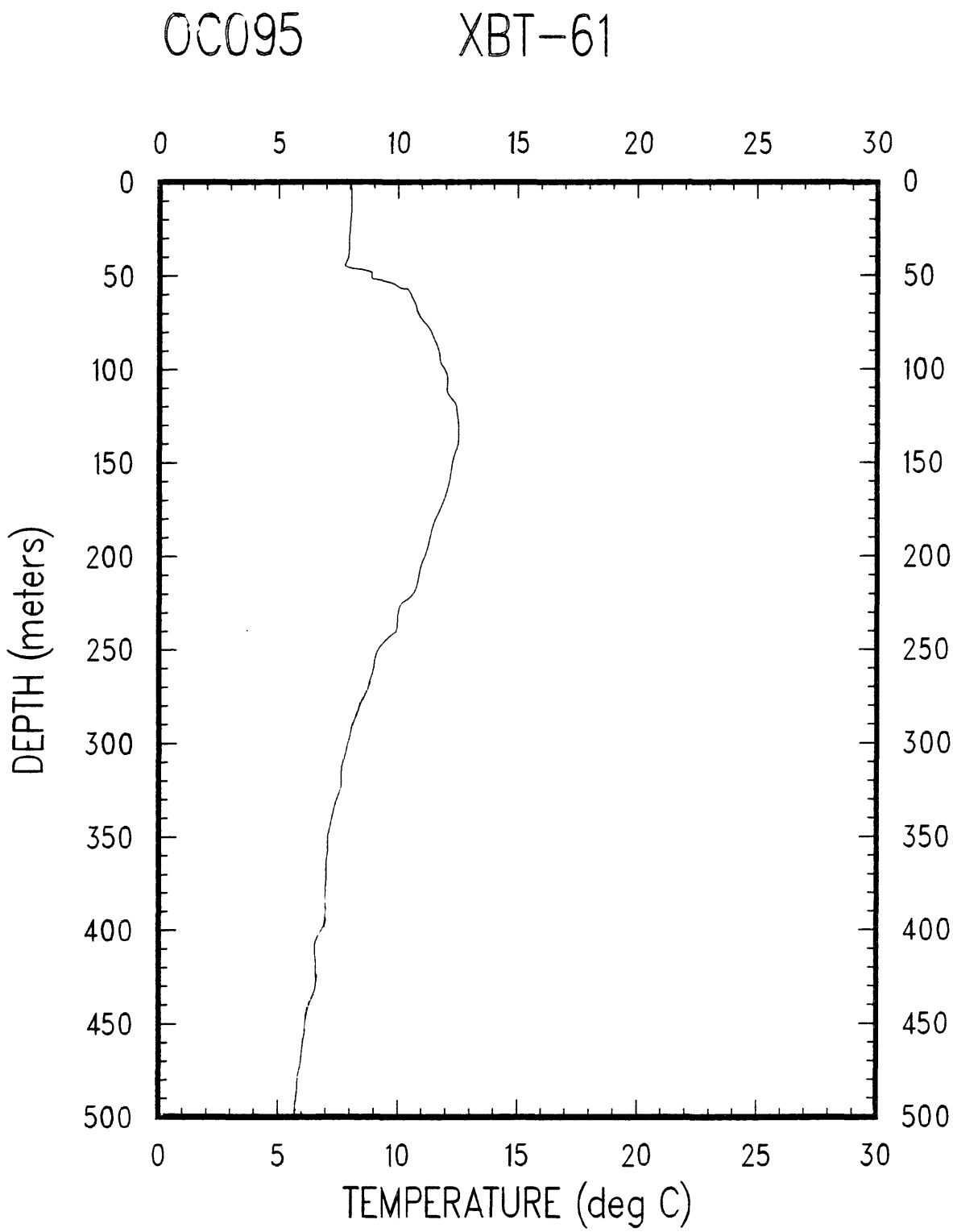
OC095B CAST #58



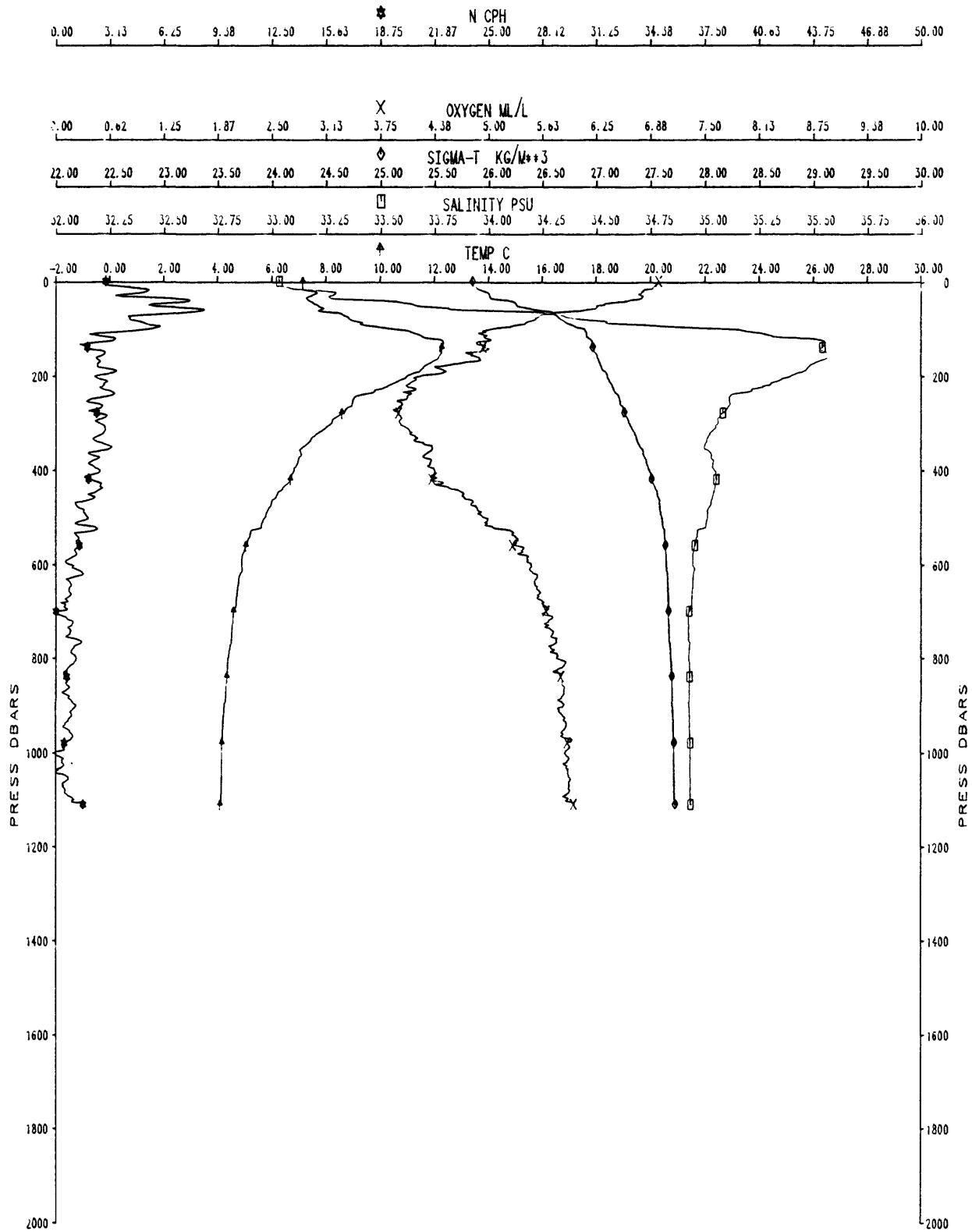

OC095 XBT-59
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC095A CAST #60

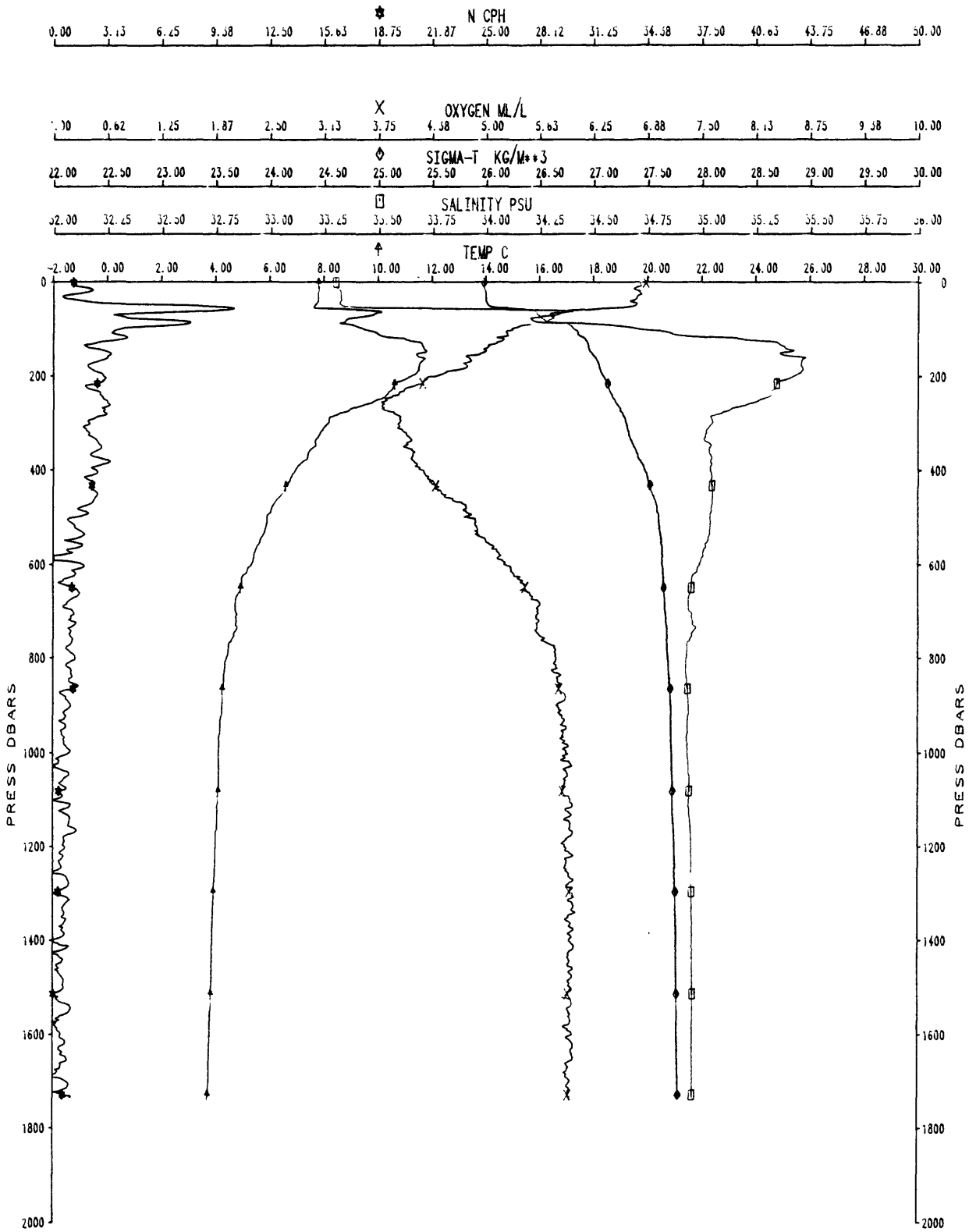



OC095 XBT-61
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

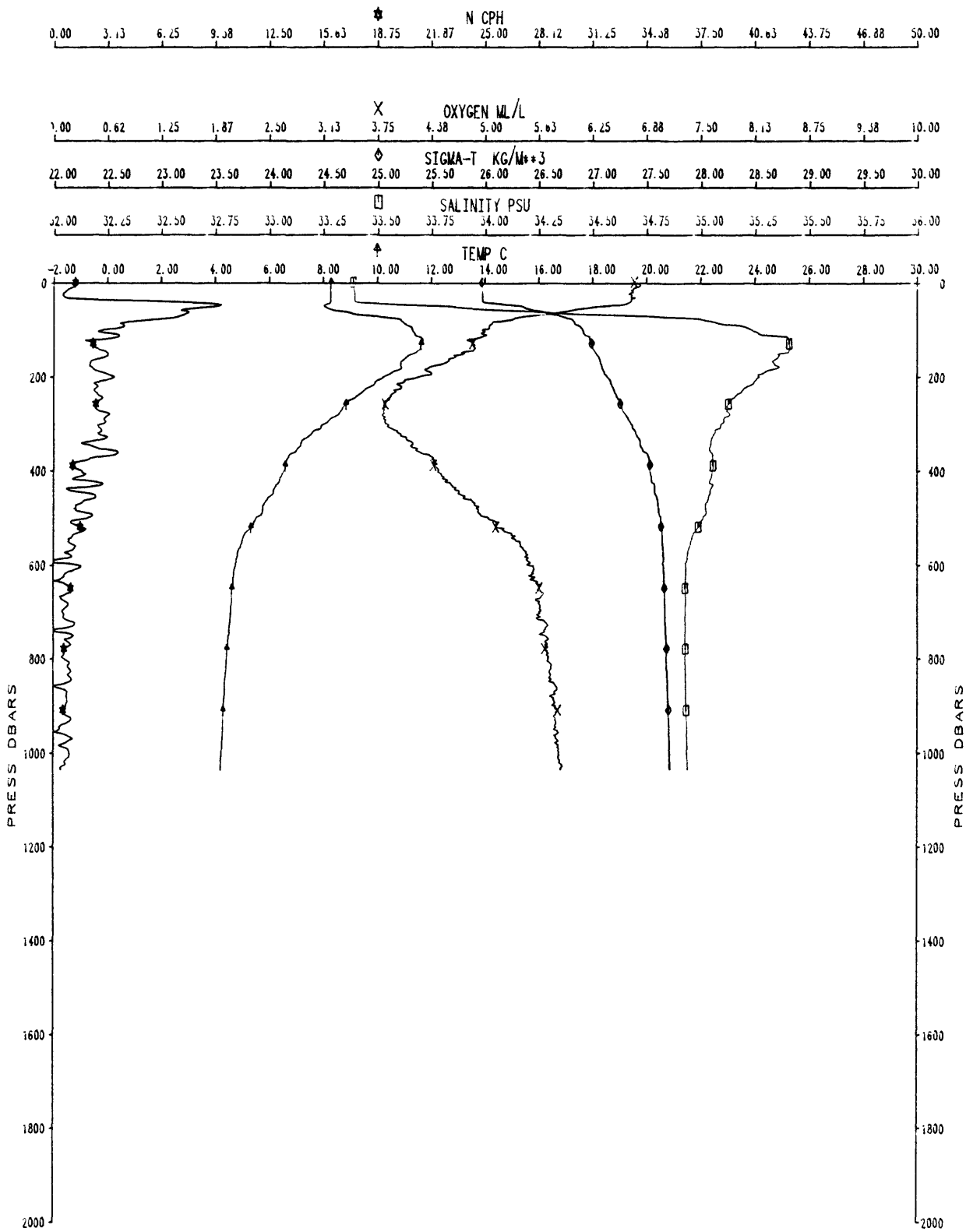
OC095B CAST #62

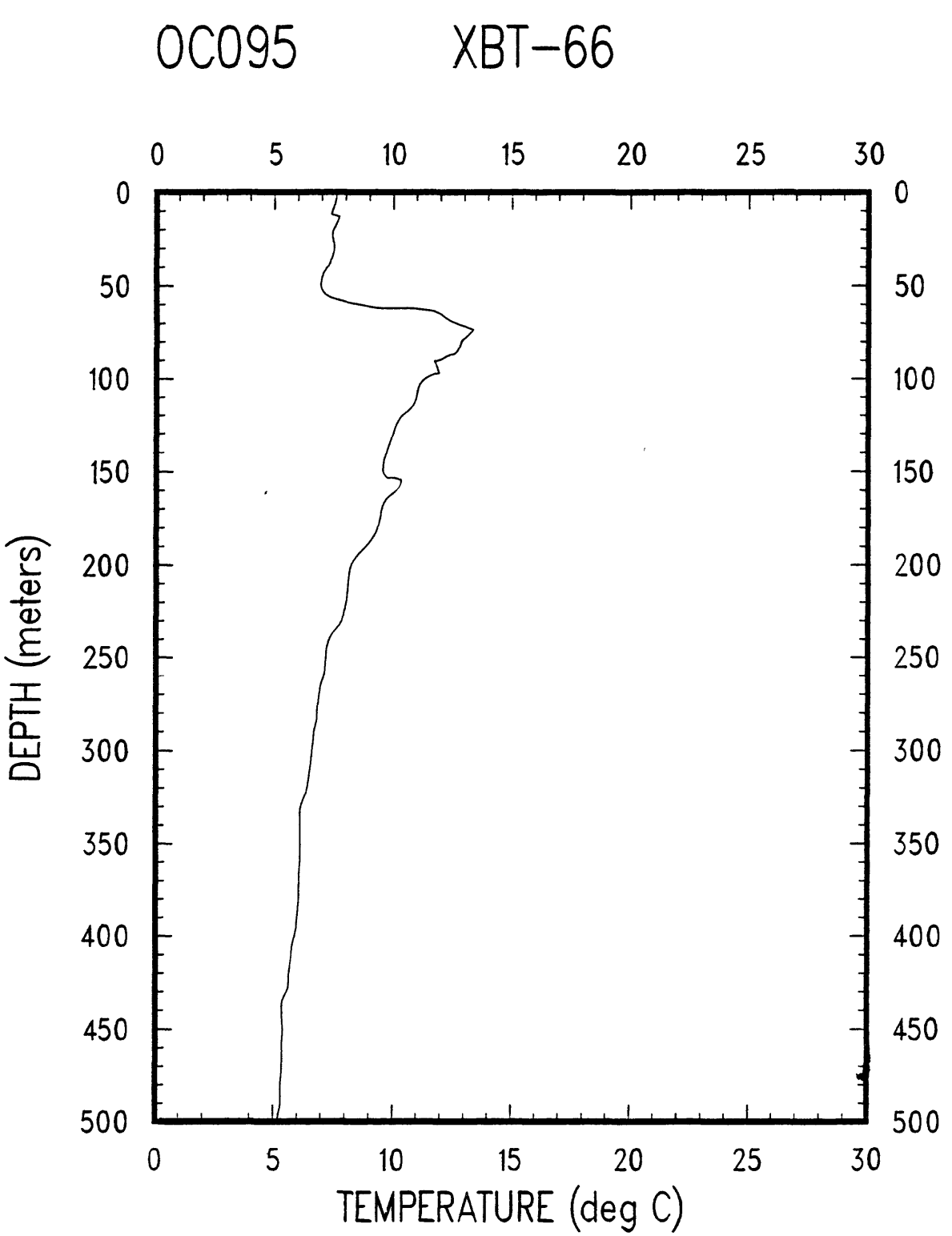


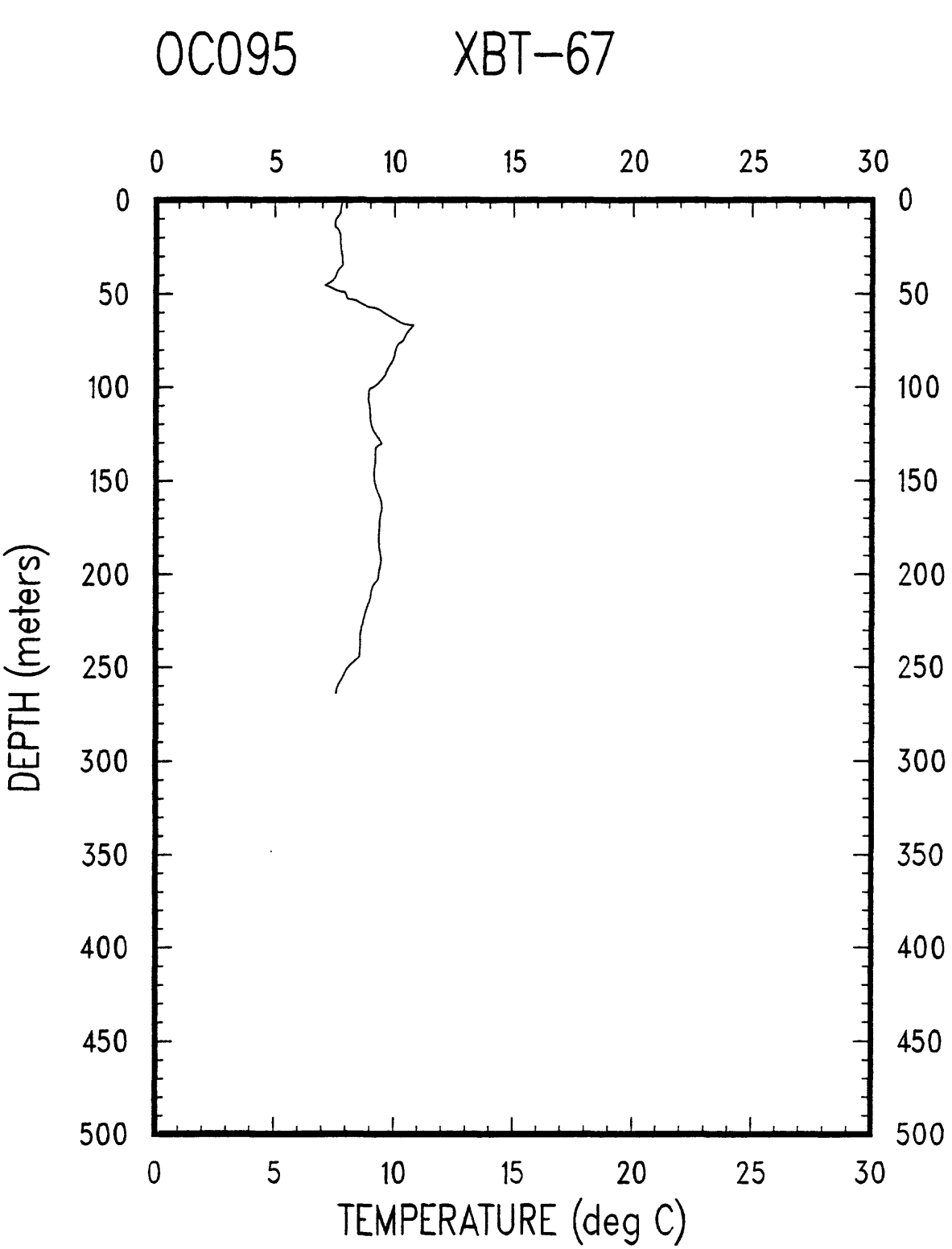
OC095B CAST #63



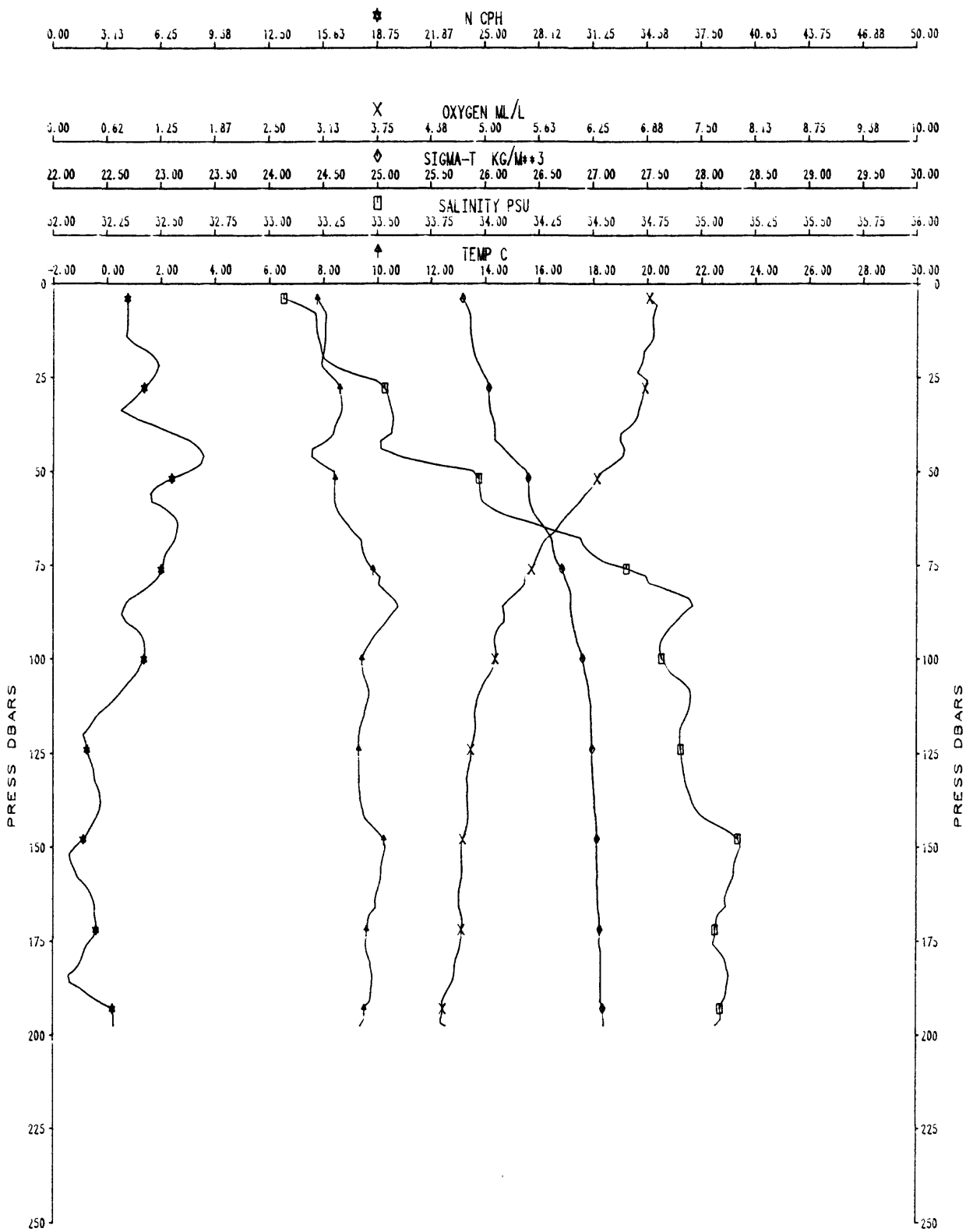
OC095B CAST #65



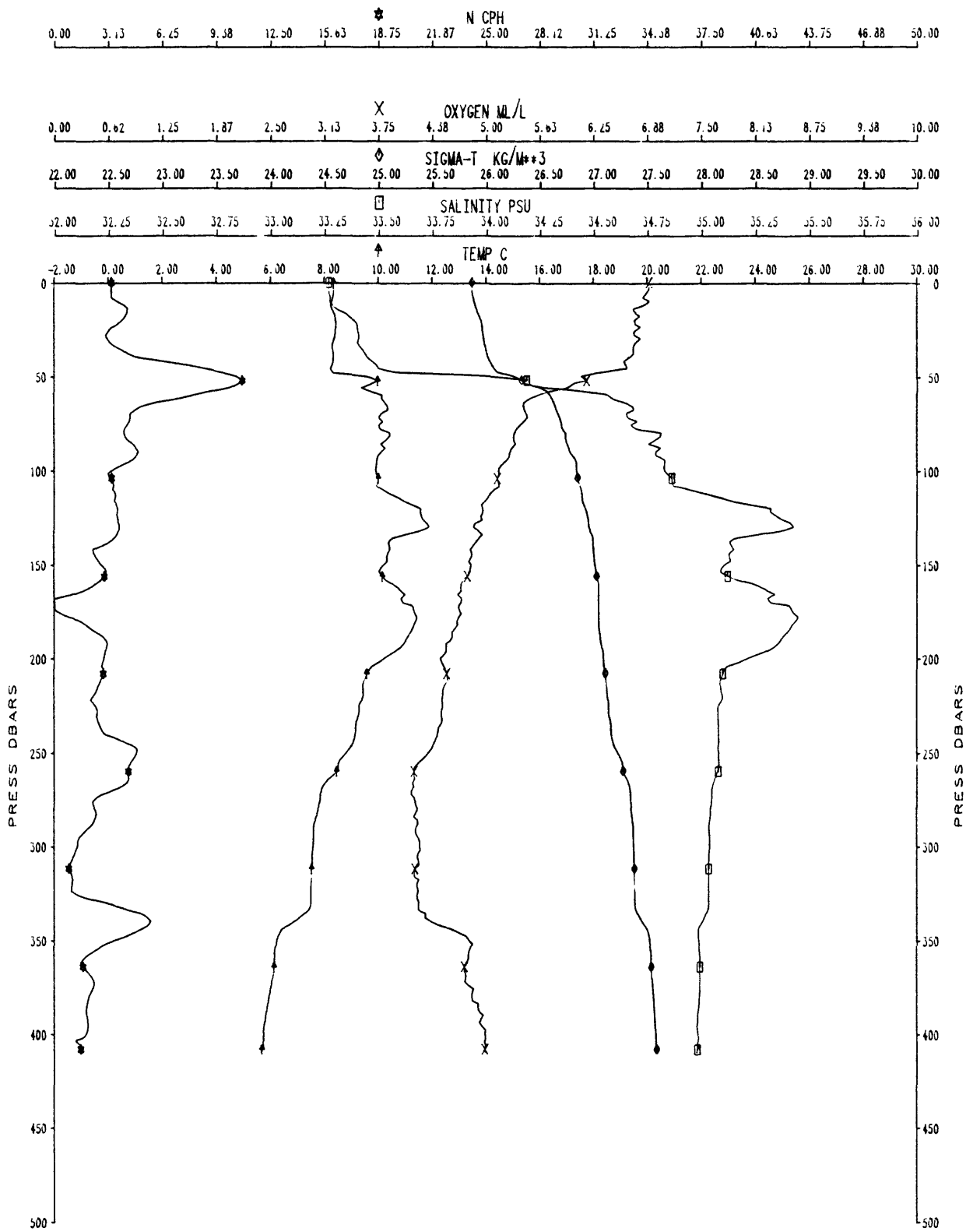

OC095 XBT-66
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)


OC095 XBT-67
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

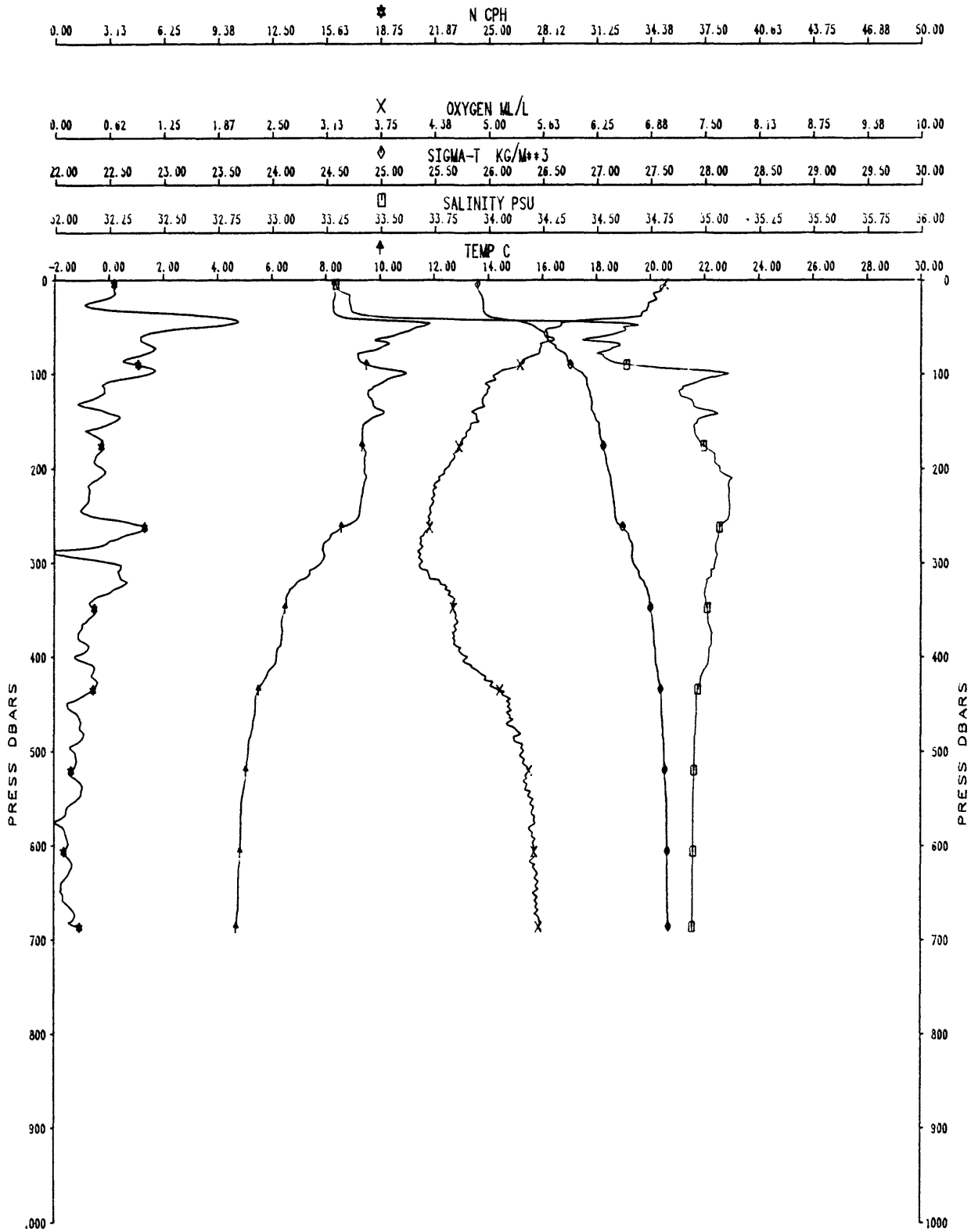
OC095U CAST #68



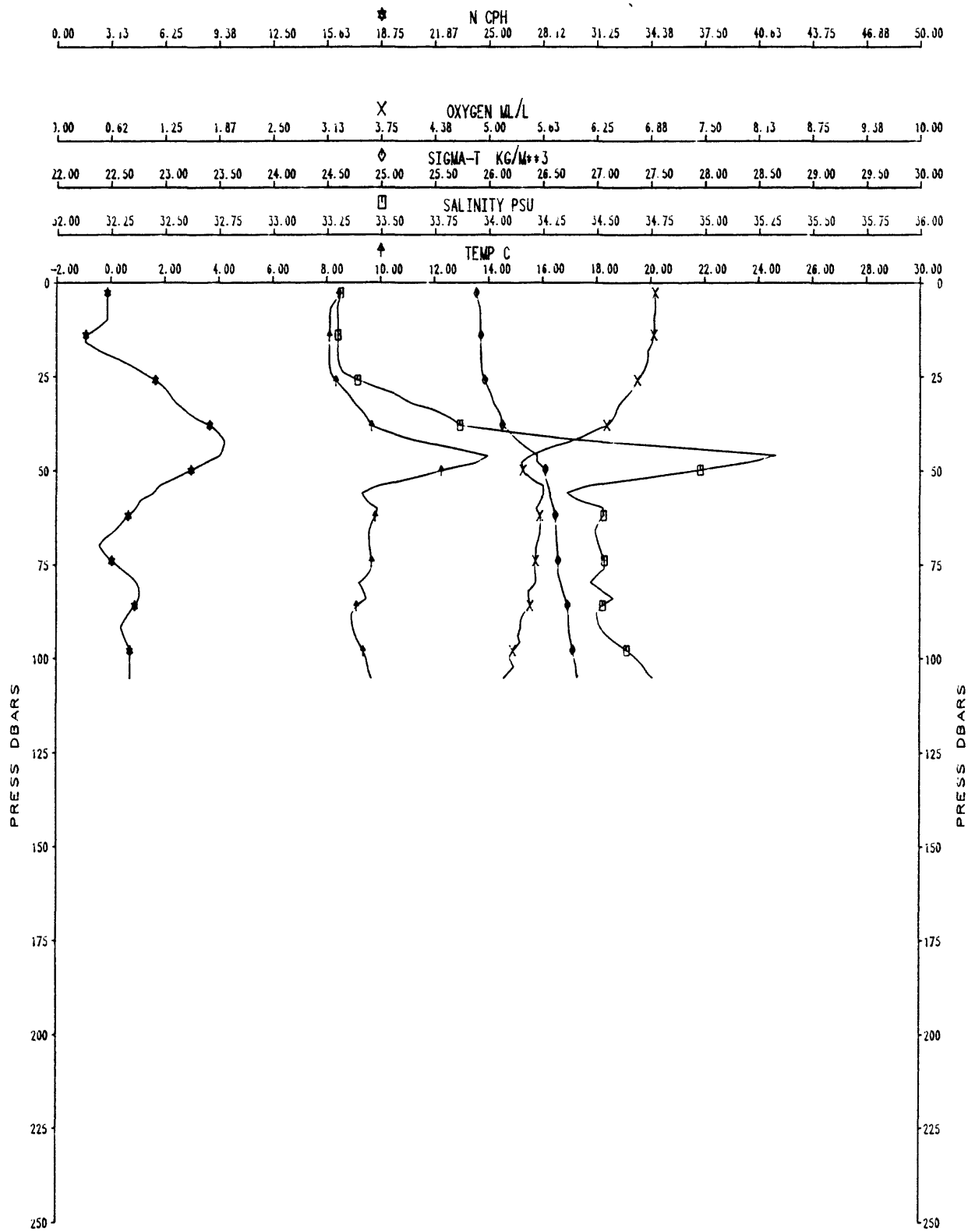
OC095B CAST #69

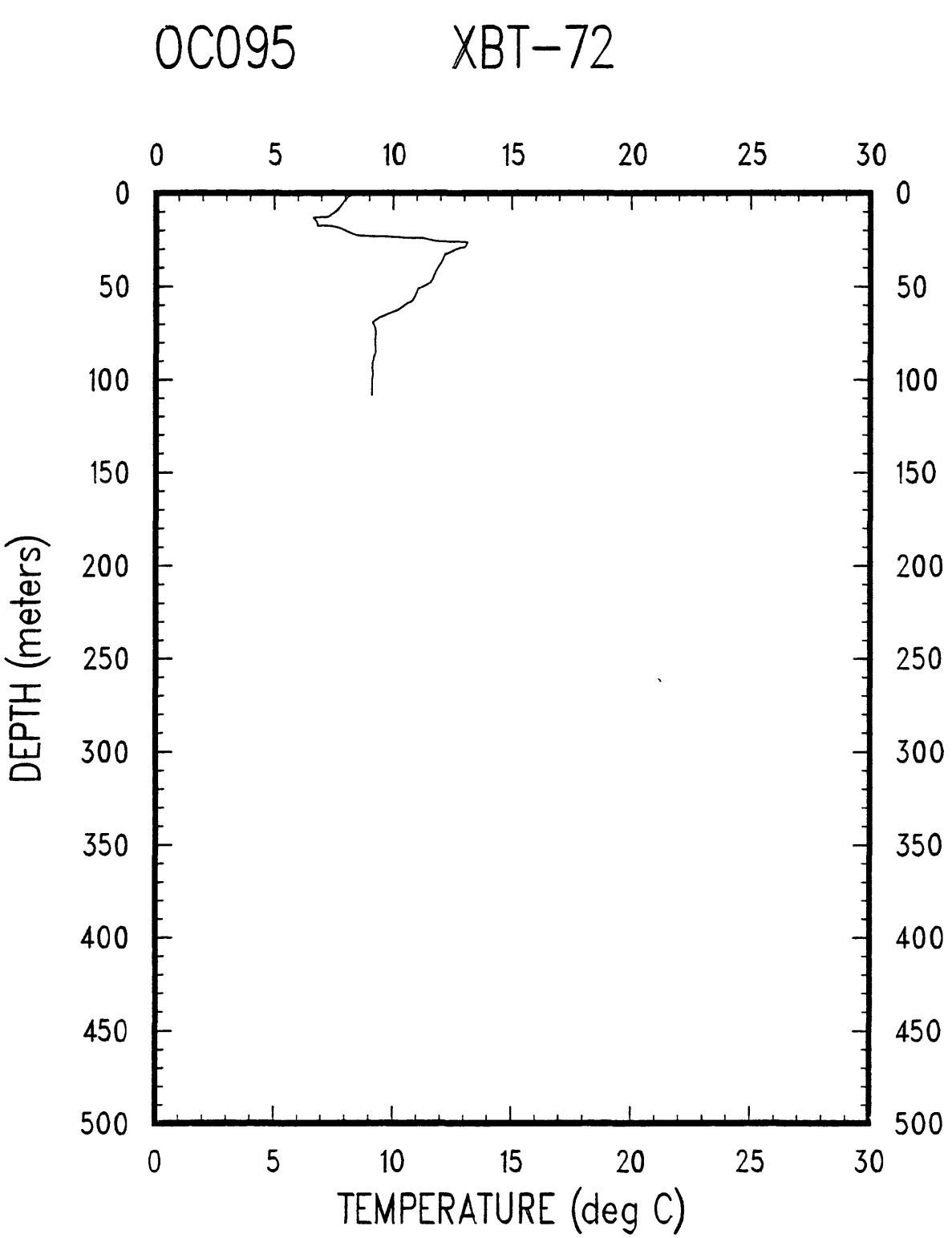


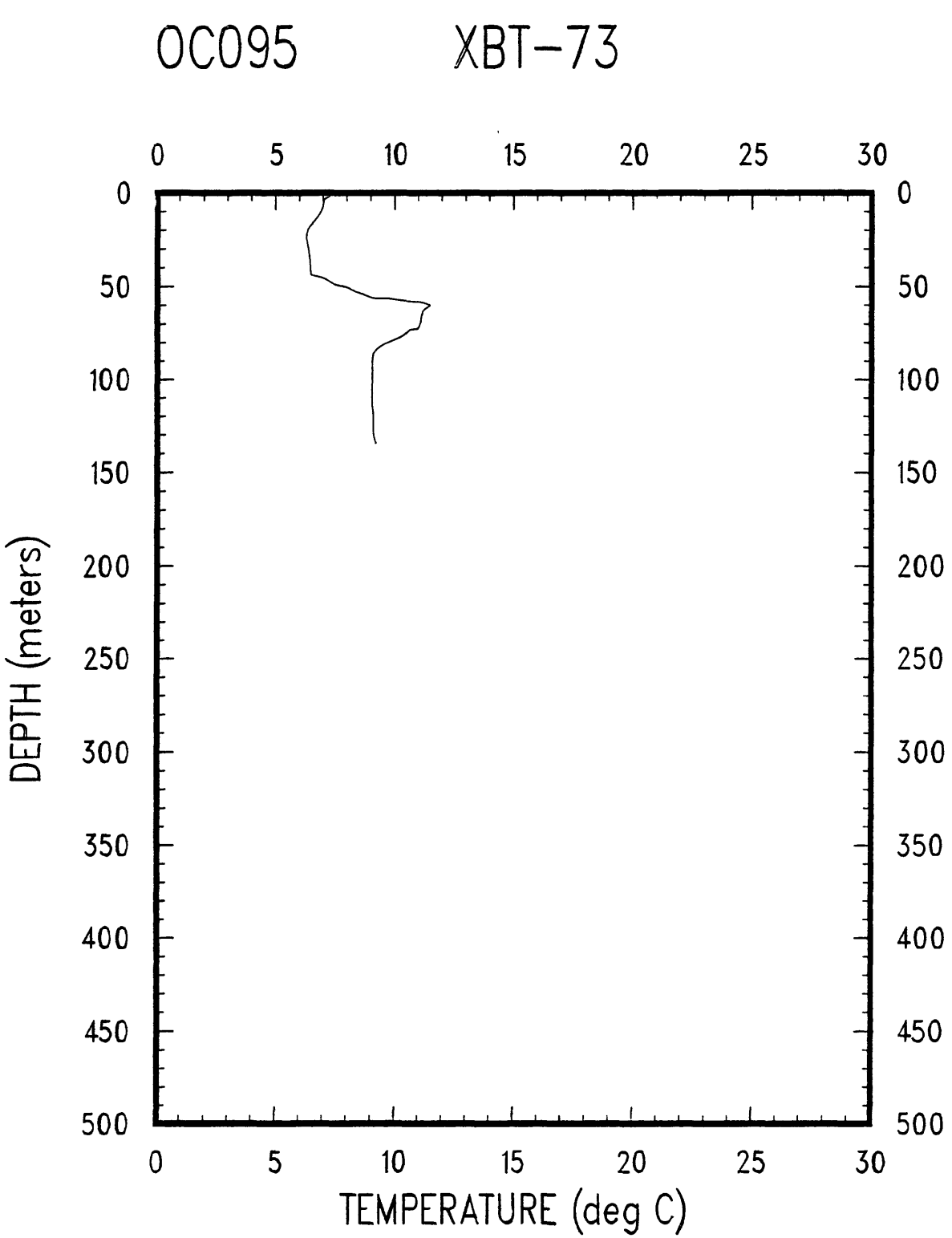
OC095A CAST #70



OC095A CAST #71




0C095 XBT-72
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)


OC095 XBT-73
0 5 10 15 20 25 30
0 50 100 150 200 250 300 350 400 450 500
DEPTH (meters)
TEMPERATURE (deg C)

Appendix I. - Data listings

For the data listings, time is in Eastern Standard Time, ATN is the beam attenuation coefficient, SIGT is the density anomaly sigma-t, N is the Brunt-Vaisala frequency, DYHT A is the dynamic height anomaly, and S SPD is the speed of sound in seawater. For pressures greater than 500 dbar, the 2-dbar-averaged data are subsampled at 20-dbar intervals. No data is listed for stations 13, 15, 18, 19, 38, 50, and 64 because the XBTs malfunctioned.

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	1	24 APR 1981	14.4	40°34.2 N	67°45.2 W	100

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
4	3.9	5.766	32.818	6.97	0.29	25.857	0.000	1471.	2.8
6	6.2	5.765	32.819	6.93	0.30	25.858	0.005	1471.	2.8
8	7.9	5.744	32.820	6.89	0.30	25.861	0.009	1471.	2.8
10	10.1	5.734	32.822	6.98	0.29	25.864	0.013	1471.	2.8
12	11.9	5.712	32.825	6.98	0.29	25.869	0.017	1471.	2.8
14	13.9	5.665	32.830	6.96	0.27	25.879	0.021	1471.	2.9
16	16.2	5.623	32.831	6.96	0.26	25.885	0.026	1471.	3.0
18	18.0	5.594	32.831	6.95	0.26	25.888	0.030	1471.	3.0
20	19.9	5.560	32.833	6.90	0.25	25.894	0.034	1471.	3.0
22	22.1	5.544	32.835	6.79	0.25	25.897	0.039	1471.	3.1
24	24.0	5.516	32.842	6.87	0.24	25.906	0.042	1470.	3.2
26	26.2	5.477	32.845	6.77	0.23	25.913	0.047	1470.	3.4
28	28.0	5.473	32.852	6.77	0.23	25.918	0.051	1470.	3.5
29	29.7	5.465	32.861	6.97	0.23	25.927	0.054	1470.	3.5
32	32.0	5.460	32.869	6.98	0.22	25.934	0.059	1470.	3.4
34	34.0	5.445	32.882	6.94	0.21	25.946	0.063	1470.	3.4
36	35.8	5.436	32.889	6.94	0.21	25.953	0.067	1470.	3.3
38	38.1	5.434	32.894	6.90	0.21	25.957	0.072	1470.	3.1
39	39.8	5.440	32.899	6.90	0.20	25.960	0.075	1470.	2.9
42	42.1	5.447	32.912	6.87	0.20	25.970	0.080	1471.	2.7
43	43.8	5.450	32.919	6.88	0.20	25.974	0.083	1471.	2.5
46	46.1	5.453	32.923	6.87	0.20	25.977	0.088	1471.	2.4
47	47.7	5.451	32.924	6.96	0.20	25.979	0.091	1471.	2.3
50	50.0	5.451	32.927	6.96	0.20	25.981	0.096	1471.	2.2
51	51.8	5.451	32.931	6.92	0.20	25.984	0.099	1471.	2.2
54	54.2	5.450	32.936	6.93	0.20	25.988	0.104	1471.	2.4
56	56.1	5.447	32.940	6.92	0.20	25.992	0.108	1471.	2.6
58	58.0	5.445	32.943	6.92	0.20	25.994	0.112	1471.	2.8
59	59.9	5.435	32.950	6.84	0.19	26.001	0.116	1471.	2.9
61	61.9	5.429	32.954	6.81	0.18	26.005	0.120	1471.	3.3
63	64.0	5.398	32.962	6.79	0.17	26.015	0.124	1471.	3.8
66	66.0	5.381	32.966	6.79	0.17	26.020	0.128	1471.	4.2
67	67.8	5.398	32.977	6.78	0.17	26.026	0.131	1471.	4.6
70	70.1	5.425	33.008	6.79	0.16	26.048	0.136	1471.	5.0
71	72.0	5.451	33.040	6.76	0.16	26.070	0.140	1471.	5.3
73	74.1	5.470	33.060	6.74	0.16	26.083	0.144	1471.	5.8
75	76.0	5.486	33.091	6.61	0.15	26.107	0.147	1472.	6.3
77	77.9	5.528	33.129	6.58	0.15	26.132	0.151	1472.	6.6
79	80.1	5.590	33.165	6.48	0.15	26.153	0.155	1472.	6.6
81	81.8	5.704	33.229	6.43	0.15	26.189	0.158	1473.	6.5
83	84.1	5.822	33.322	6.35	0.15	26.249	0.162	1473.	6.3
85	85.7	5.842	33.333	6.31	0.15	26.255	0.165	1473.	6.2
87	88.0	5.888	33.357	6.29	0.15	26.268	0.169	1474.	6.2
89	90.1	5.947	33.383	6.26	0.16	26.281	0.173	1474.	6.2
91	91.3	6.010	33.405	6.15	0.16	26.291	0.175	1474.	6.7
91	91.9	6.074	33.446	6.08	0.16	26.315	0.176	1475.	7.7
92	93.0	6.167	33.499	6.08	0.16	26.345	0.178	1475.	7.7
93	94.0	6.288	33.559	6.07	0.16	26.378	0.180	1476.	7.7
94	95.0	6.443	33.643	6.03	0.17	26.424	0.181	1476.	7.7
95	95.9	6.484	33.671	5.88	0.17	26.441	0.183	1477.	7.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	2	24 APR 1981	20.5	40°31.7 N	67°37.4 W	134

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	5.701	32.815	7.02	0.30	25.863	0.000	1471.	3.6
4	4.0	5.698	32.799	6.99	0.30	25.851	0.003	1471.	3.6
6	5.9	5.697	32.831	7.02	0.30	25.876	0.008	1471.	3.6
8	7.9	5.707	32.855	6.94	0.30	25.893	0.012	1471.	3.6
10	10.0	5.700	32.860	6.97	0.29	25.898	0.016	1471.	3.6
12	12.1	5.692	32.868	7.01	0.29	25.906	0.021	1471.	3.5
14	13.9	5.684	32.875	7.05	0.29	25.912	0.024	1471.	3.0
16	16.0	5.689	32.880	7.04	0.29	25.915	0.029	1471.	2.7
18	18.0	5.681	32.882	7.02	0.28	25.918	0.033	1471.	2.7
20	20.3	5.663	32.884	7.04	0.28	25.921	0.038	1471.	2.6
22	21.9	5.646	32.889	7.07	0.28	25.928	0.041	1471.	2.6
24	24.0	5.641	32.893	7.04	0.27	25.932	0.045	1471.	2.7
26	26.0	5.629	32.899	7.03	0.27	25.937	0.049	1471.	3.1
28	28.3	5.615	32.903	7.04	0.26	25.942	0.054	1471.	3.5
30	29.8	5.609	32.906	7.04	0.25	25.946	0.057	1471.	4.0
32	32.0	5.608	32.912	7.02	0.24	25.950	0.062	1471.	4.4
34	34.0	5.603	32.944	7.00	0.24	25.976	0.066	1471.	4.7
36	36.0	5.603	32.962	7.01	0.23	25.990	0.070	1471.	4.8
38	38.0	5.597	32.990	6.99	0.22	26.014	0.074	1471.	4.8
40	40.0	5.583	33.008	7.00	0.21	26.029	0.078	1471.	4.6
42	41.9	5.567	33.014	6.99	0.20	26.036	0.082	1471.	4.1
44	44.1	5.537	33.020	6.99	0.20	26.044	0.086	1471.	3.6
46	46.0	5.520	33.028	7.01	0.21	26.053	0.090	1471.	3.1
48	47.9	5.510	33.032	6.97	0.21	26.057	0.093	1471.	2.7
50	50.0	5.509	33.036	6.94	0.21	26.060	0.097	1471.	2.5
52	52.1	5.514	33.040	6.93	0.21	26.063	0.101	1471.	2.2
54	54.0	5.514	33.043	6.95	0.21	26.065	0.105	1471.	1.9
55	55.9	5.512	33.046	6.95	0.20	26.067	0.109	1471.	1.8
58	58.0	5.518	33.049	6.93	0.20	26.069	0.113	1471.	1.6
60	60.3	5.528	33.052	6.94	0.20	26.071	0.117	1471.	1.5
61	61.8	5.533	33.054	6.96	0.19	26.072	0.120	1471.	1.9
64	64.0	5.533	33.055	6.90	0.18	26.072	0.125	1471.	2.3
65	66.0	5.536	33.056	6.89	0.18	26.073	0.128	1472.	2.9
68	68.0	5.545	33.062	6.91	0.18	26.076	0.132	1472.	3.5
69	70.0	5.581	33.084	6.91	0.17	26.090	0.136	1472.	4.0
71	71.9	5.622	33.101	6.89	0.17	26.098	0.140	1472.	4.6
73	74.1	5.679	33.136	6.84	0.16	26.119	0.144	1472.	5.3
75	76.0	5.722	33.162	6.81	0.16	26.134	0.147	1473.	5.6
77	78.1	5.765	33.185	6.79	0.16	26.147	0.151	1473.	5.6
79	79.9	5.853	33.245	6.73	0.15	26.185	0.155	1473.	5.5
81	82.1	5.911	33.298	6.68	0.16	26.219	0.159	1474.	5.1
83	83.8	5.918	33.310	6.60	0.15	26 227	0.162	1474.	4.8
85	86.0	5.922	33.317	6.54	0.15	26.233	0.166	1474.	4.3
87	88.1	5.928	33.323	6.48	0.15	26.237	0.170	1474.	3.7
89	90.1	5.935	33.331	6.46	0.15	26.242	0.173	1474.	3.4
91	91.8	5.941	33.339	6.43	0.15	26.248	0.176	1474.	3.5
93	94.1	5.941	33.353	6.41	0.15	26.259	0.180	1474.	3.7
95	96.1	5.959	33.375	6.38	0.15	26.274	0.184	1474.	4.1
97	98.0	5.992	33.390	6.37	0.15	26.282	0.187	1474.	5.5
99	100.1	6.017	33.402	6.35	0.15	26.288	0.191	1474.	7.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	2	24 APR 1981	20.5	40°31.7 N	67°37.4 W	134

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	6.054	33.420	6.30	0.15	26.298	0.194	1475.	8.8
103	104.1	6.162	33.473	6.27	0.15	26.326	0.197	1475.	9.8
105	105.9	6.501	33.685	6.10	0.15	26.450	0.200	1477.	10.2
107	108.0	7.040	33.966	5.90	0.16	26.599	0.204	1479.	10.4
109	110.3	7.250	34.092	5.68	0.15	26.669	0.207	1480.	10.0
111	111.9	7.361	34.151	5.43	0.15	26.700	0.209	1481.	9.6
113	114.1	7.508	34.215	5.38	0.15	26.729	0.212	1481.	9.0
115	116.0	7.669	34.285	5.31	0.15	26.761	0.214	1482.	8.4
117	118.0	7.713	34.304	5.25	0.15	26.770	0.217	1482.	8.5
119	120.2	7.994	34.485	5.19	0.15	26.871	0.220	1484.	8.8
120	121.2	8.192	34.610	5.13	0.15	26.939	0.221	1485.	9.3
121	122.0	8.266	34.618	5.05	0.14	26.934	0.222	1485.	9.6
122	122.9	8.361	34.659	4.90	0.15	26.952	0.223	1485.	9.5
123	124.0	8.458	34.703	4.90	0.15	26.971	0.224	1486.	8.2
124	125.0	8.609	34.790	4.88	0.15	27.016	0.225	1487.	7.3
125	126.0	8.657	34.829	4.85	0.15	27.039	0.226	1487.	6.8
126	127.0	8.678	34.839	4.81	0.16	27.044	0.227	1487.	6.8
127	128.1	8.682	34.841	4.79	0.16	27.044	0.228	1487.	6.8
128	129.0	8.686	34.841	4.70	0.16	27.044	0.229	1487.	6.8
129	130.0	8.687	34.841	4.77	0.17	27.044	0.230	1487.	6.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	3	24 APR 1981	22.0	40 31.8 N	67 43.1 W	250

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	5.661	32.822	7.05	0.31	25.873	0.000	1471.	2.2
4	4.1	5.662	32.822	7.01	0.31	25.873	0.002	1471.	2.2
6	5.9	5.665	32.822	6.97	0.31	25.873	0.006	1471.	2.2
8	7.9	5.676	32.824	6.97	0.32	25.873	0.011	1471.	2.2
10	10.3	5.675	32.826	7.02	0.31	25.874	0.016	1471.	2.2
12	11.7	5.672	32.827	6.93	0.31	25.875	0.019	1471.	2.5
14	14.2	5.657	32.843	6.94	0.29	25.890	0.024	1471.	2.8
16	15.9	5.658	32.844	7.00	0.28	25.891	0.027	1471.	3.0
18	18.2	5.655	32.848	6.97	0.27	25.894	0.032	1471.	3.3
20	19.8	5.650	32.858	6.98	0.25	25.903	0.036	1471.	3.5
22	22.1	5.634	32.865	6.97	0.25	25.910	0.040	1471.	3.5
24	24.0	5.612	32.872	6.96	0.24	25.918	0.044	1471.	3.6
26	26.1	5.574	32.886	6.90	0.24	25.934	0.049	1471.	3.7
28	28.0	5.553	32.890	6.89	0.23	25.940	0.053	1471.	3.7
30	30.0	5.534	32.894	6.93	0.23	25.945	0.057	1471.	3.7
32	31.9	5.510	32.900	6.93	0.23	25.953	0.061	1471.	3.6
34	34.0	5.491	32.910	6.93	0.22	25.963	0.065	1471.	3.4
36	36.1	5.466	32.923	6.92	0.22	25.976	0.069	1471.	3.4
38	37.9	5.461	32.926	6.88	0.21	25.979	0.073	1471.	3.2
40	40.1	5.461	32.934	6.86	0.21	25.985	0.077	1471.	2.9
42	41.9	5.461	32.939	6.81	0.21	25.989	0.081	1471.	2.7
44	44.0	5.453	32.943	6.83	0.20	25.993	0.085	1471.	2.4
45	45.8	5.448	32.944	6.89	0.20	25.995	0.089	1471.	2.3
48	48.0	5.438	32.947	6.87	0.20	25.998	0.093	1471.	2.1
50	50.0	5.426	32.951	6.90	0.20	26.003	0.097	1471.	2.1
52	52.0	5.424	32.953	6.94	0.20	26.005	0.101	1471.	1.9
54	54.4	5.424	32.955	6.94	0.20	26.006	0.106	1471.	1.9
55	55.8	5.423	32.957	6.94	0.20	26.007	0.109	1471.	1.8
58	58.0	5.419	32.960	6.91	0.20	26.011	0.113	1471.	1.8
60	60.0	5.417	32.961	6.90	0.19	26.012	0.117	1471.	2.0
62	62.1	5.413	32.962	6.86	0.19	26.013	0.121	1471.	2.3
64	64.0	5.409	32.964	6.85	0.19	26.015	0.125	1471.	2.4
65	65.9	5.401	32.969	6.86	0.19	26.020	0.129	1471.	2.7
68	68.1	5.373	32.976	6.84	0.18	26.028	0.133	1471.	2.9
70	70.2	5.367	32.981	6.82	0.18	26.033	0.137	1471.	3.1
71	71.9	5.365	32.984	6.80	0.17	26.036	0.141	1471.	3.7
74	74.2	5.361	32.996	6.78	0.17	26.046	0.145	1471.	4.1
75	75.8	5.363	33.002	6.74	0.16	26.050	0.148	1471.	4.2
77	78.0	5.384	33.017	6.65	0.16	26.060	0.153	1471.	4.2
80	80.2	5.466	33.080	6.66	0.16	26.100	0.157	1471.	4.1
81	81.8	5.485	33.092	6.65	0.16	26.107	0.160	1472.	3.8
84	84.2	5.491	33.093	6.59	0.16	26.107	0.164	1472.	3.4
85	85.9	5.492	33.093	6.61	0.15	26.107	0.168	1472.	3.2
87	88.0	5.499	33.094	6.59	0.16	26.107	0.172	1472.	4.7
89	89.9	5.513	33.102	6.60	0.16	26.112	0.175	1472.	7.3
91	92.0	5.534	33.111	6.58	0.16	26.117	0.179	1472.	9.9
93	94.0	5.592	33.149	6.42	0.17	26.140	0.183	1472.	11.4
95	96.0	5.979	33.389	6.28	0.16	26.282	0.187	1474.	12.6
97	97.8	6.530	33.714	6.01	0.16	26.469	0.190	1477.	13.0
99	100.2	7.120	34.067	5.71	0.17	26.668	0.193	1480.	12.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	3	24 APR 1981	22.0	40 31.8 N	67 43.1 W	250

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	7.333	34.176	5.44	0.17	26.724	0.195	1481.	11.9
103	104.0	7.669	34.348	5.24	0.16	26.810	0.198	1482.	10.2
105	106.1	7.768	34.403	5.21	0.16	26.840	0.201	1483.	8.1
107	107.9	7.813	34.423	5.14	0.15	26.849	0.203	1483.	6.1
109	110.0	7.850	34.436	5.11	0.16	26.853	0.205	1483.	5.0
111	112.2	7.930	34.473	5.11	0.16	26.870	0.208	1483.	4.1
113	113.9	7.965	34.484	5.07	0.16	26.874	0.210	1484.	4.1
115	116.3	7.997	34.498	5.09	0.16	26.880	0.213	1484.	4.5
117	117.8	8.022	34.514	5.10	0.16	26.889	0.215	1484.	4.9
119	119.9	8.152	34.575	5.06	0.16	26.917	0.217	1484.	5.2
121	122.0	8.236	34.610	5.05	0.16	26.932	0.220	1485.	5.7
123	123.9	8.307	34.656	4.98	0.16	26.958	0.222	1485.	6.0
125	126.0	8.359	34.689	4.89	0.16	26.975	0.224	1486.	6.1
127	128.0	8.423	34.740	4.88	0.16	27.006	0.226	1486.	6.0
129	130.0	8.519	34.802	4.82	0.15	27.040	0.228	1486.	5.8
131	132.1	8.561	34.830	4.77	0.14	27.054	0.230	1487.	5.5
133	133.9	8.614	34.873	4.68	0.14	27.080	0.232	1487.	5.2
135	136.3	8.641	34.893	4.67	0.14	27.092	0.235	1487.	4.6
137	137.9	8.653	34.898	4.64	0.13	27.093	0.236	1487.	4.0
139	140.0	8.680	34.918	4.65	0.13	27.106	0.238	1487.	3.5
141	142.1	8.690	34.938	4.63	0.13	27.119	0.240	1487.	2.9
143	144.0	8.690	34.937	4.60	0.13	27.118	0.242	1487.	2.7
145	145.9	8.680	34.936	4.61	0.13	27.119	0.244	1487.	2.6
147	148.0	8.658	34.933	4.65	0.13	27.120	0.246	1487.	2.5
149	150.0	8.632	34.931	4.67	0.14	27.123	0.248	1487.	2.5
151	152.0	8.567	34.928	4.68	0.14	27.130	0.250	1487.	2.7
153	153.9	8.555	34.935	4.66	0.14	27.138	0.252	1487.	2.9
155	156.1	8.554	34.938	4.65	0.14	27.141	0.254	1487.	3.0
157	158.1	8.552	34.946	4.61	0.14	27.147	0.256	1487.	3.0
159	160.1	8.537	34.951	4.57	0.14	27.153	0.257	1487.	3.0
161	162.0	8.518	34.954	4.55	0.14	27.159	0.259	1487.	3.0
163	164.0	8.501	34.955	4.54	0.14	27.162	0.261	1487.	3.2
165	166.1	8.453	34.954	4.55	0.14	27.169	0.263	1487.	3.2
167	168.0	8.383	34.948	4.55	0.14	27.175	0.265	1487.	3.1
169	169.9	8.276	34.937	4.55	0.15	27.183	0.267	1486.	3.0
171	172.0	8.212	34.937	4.60	0.15	27.192	0.268	1486.	2.9
173	174.0	8.199	34.937	4.57	0.16	27.194	0.270	1486.	2.9
175	176.1	8.156	34.931	4.61	0.16	27.196	0.272	1486.	2.9
177	178.0	8.109	34.924	4.60	0.18	27.198	0.274	1486.	2.9
178	180.0	8.057	34.921	4.63	0.19	27.204	0.275	1486.	2.9
181	182.2	8.015	34.930	4.65	0.20	27.217	0.277	1485.	2.9
182	183.9	8.007	34.935	4.65	0.20	27.222	0.279	1485.	2.9
184	185.8	8.002	34.939	4.64	0.20	27.226	0.281	1485.	3.2
187	188.1	7.987	34.938	4.62	0.20	27.228	0.283	1485.	3.2
188	189.9	7.965	34.939	4.65	0.20	27.232	0.284	1485.	3.1
190	192.0	7.935	34.940	4.66	0.20	27.237	0.286	1485.	3.0
193	194.3	7.823	34.945	4.69	0.21	27.258	0.288	1485.	2.9
194	196.0	7.803	34.943	4.71	0.21	27.259	0.289	1485.	2.6
196	197.9	7.798	34.943	4.70	0.22	27.260	0.291	1485.	2.3
199	200.1	7.798	34.943	4.68	0.21	27.260	0.293	1485.	2.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	3	24 APR 1981	22.0	40 31.8 N	67 43.1 W	250

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
200	202.0	7.798	34.943	4.66	0.22	27.259	0.294	1485.	1.6
202	203.9	7.810	34.942	4.67	0.22	27.257	0.296	1485.	1.7
204	206.2	7.788	34.945	4.70	0.22	27.262	0.298	1485.	1.8
206	207.9	7.709	34.938	4.73	0.23	27.269	0.299	1485.	1.8
208	210.0	7.692	34.939	4.72	0.24	27.272	0.301	1485.	2.0
210	211.9	7.696	34.939	4.74	0.24	27.271	0.303	1485.	2.2
212	214.0	7.704	34.939	4.74	0.24	27.270	0.304	1485.	2.1
214	216.0	7.698	34.940	4.72	0.24	27.272	0.306	1485.	2.5
216	217.9	7.653	34.943	4.69	0.24	27.281	0.308	1485.	3.2
218	220.0	7.628	34.944	4.68	0.24	27.285	0.309	1485.	3.9
220	221.9	7.590	34.936	4.73	0.25	27.284	0.311	1484.	4.6
222	224.0	7.276	34.905	4.80	0.27	27.305	0.313	1483.	5.0
224	226.1	6.976	34.882	4.85	0.27	27.329	0.314	1482.	5.4
226	228.0	6.915	34.897	4.89	0.27	27.350	0.316	1482.	5.8
228	230.1	7.033	34.949	4.88	0.28	27.374	0.317	1482.	6.1
229	231.3	6.890	34.940	4.93	0.27	27.387	0.318	1482.	5.9
230	232.0	6.846	34.945	4.94	0.27	27.397	0.319	1482.	5.6
231	233.0	6.740	34.948	4.92	0.28	27.414	0.319	1481.	5.1
232	234.0	6.720	34.950	4.91	0.29	27.418	0.320	1481.	4.3
233	235.1	6.712	34.949	4.93	0.42	27.419	0.321	1481.	4.3
234	235.9	6.711	34.950	4.93	0.54	27.419	0.321	1481.	4.3
235	237.0	6.711	34.950	4.94	0.58	27.419	0.322	1481.	4.3
236	237.8	6.715	34.950	4.94	0.64	27.419	0.323	1481.	4.3

STA 4 DAY: 24 TIME: 2330

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	5.7	88.3	5.5
1.9	5.7	89.2	5.6
3.9	5.8	90.2	5.6
5.8	5.8	91.2	5.7
7.8	5.8	93.1	5.7
10.7	5.8	94.1	5.7
12.7	5.8	95.0	5.7
15.6	5.8	96.0	5.7
18.5	5.8	96.0	5.7
20.4	5.8	97.0	5.7
23.4	5.8	97.9	5.8
24.3	5.8	98.9	5.8
26.3	5.7	98.9	5.9
28.2	5.7	99.9	5.9
28.2	5.7	99.9	5.9
30.2	5.7	100.8	6.0
32.1	5.7	100.8	6.0
33.1	5.7	101.8	6.0
35.0	5.7	102.8	6.1
36.0	5.7	102.8	6.1
37.9	5.6	102.8	6.2
38.9	5.6	103.7	6.3
40.9	5.6	103.7	6.3
41.8	5.6	105.6	6.4
42.8	5.6	105.6	6.5
44.7	5.5	106.6	6.5
44.7	5.5	107.6	6.6
47.6	5.5	108.5	6.7
49.6	5.5	108.5	6.8
51.5	5.5	109.5	6.9
53.5	5.5	110.5	6.9
54.4	5.5	110.5	7.0
57.3	5.5	110.5	7.1
59.3	5.5	111.4	7.2
60.2	5.5	111.4	7.2
63.1	5.5	111.4	7.3
64.1	5.5	112.4	7.4
66.0	5.5	112.4	7.5
68.0	5.5	112.4	7.6
70.9	5.5	113.4	7.6
72.8	5.5	113.4	7.6
75.7	5.5		
77.7	5.5		
79.6	5.5		
81.5	5.5		
83.5	5.5		
84.4	5.5		
87.3	5.5		
87.3	5.5		
88.3	5.5		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	5	24 APR 1981	23.6	40°29.8 N	67°48.5 W	117

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.4	5.702	32.793	7.01		25.845	0.000	1471.	3.6
4	4.1	5.701	32.795	7.01		25.847	0.004	1471.	3.6
6	6.0	5.713	32.814	7.00		25.860	0.008	1471.	3.6
8	8.2	5.733	32.853	6.99		25.889	0.012	1471.	3.6
10	9.8	5.727	32.854	7.00		25.891	0.016	1471.	3.6
12	12.1	5.714	32.859	6.98		25.896	0.021	1471.	3.3
14	13.8	5.706	32.862	6.98		25.899	0.024	1471.	2.8
16	16.0	5.692	32.865	6.96		25.903	0.029	1471.	2.4
18	18.0	5.690	32.865	6.97		25.904	0.033	1471.	2.5
20	20.0	5.686	32.867	6.96		25.905	0.037	1471.	2.5
22	22.2	5.664	32.876	6.96		25.916	0.042	1471.	2.5
24	23.9	5.654	32.880	6.96		25.920	0.045	1471.	2.6
26	26.1	5.643	32.883	6.96		25.924	0.050	1471.	2.7
28	28.0	5.633	32.883	6.96		25.925	0.054	1471.	2.7
30	30.0	5.613	32.884	6.95		25.928	0.058	1471.	2.8
32	32.1	5.584	32.890	6.93		25.936	0.062	1471.	3.0
34	33.9	5.575	32.894	6.94		25.940	0.066	1471.	3.1
36	36.1	5.554	32.900	6.97		25.947	0.070	1471.	3.3
37	37.7	5.524	32.906	6.99		25.956	0.074	1471.	3.4
40	40.0	5.499	32.913	6.98		25.964	0.078	1471.	3.3
42	42.2	5.487	32.917	6.99		25.968	0.083	1471.	3.1
44	44.0	5.472	32.926	7.03		25.977	0.086	1471.	2.8
46	46.0	5.454	32.933	7.02		25.985	0.090	1471.	2.5
48	48.0	5.452	32.932	7.02		25.984	0.095	1471.	2.2
50	50.0	5.451	32.932	7.00		25.985	0.099	1471.	2.0
52	52.1	5.448	32.933	6.99		25.986	0.103	1471.	2.0
53	53.8	5.446	32.934	6.97		25.987	0.106	1471.	2.2
56	56.0	5.441	32.937	6.95		25.990	0.111	1471.	2.4
58	58.2	5.434	32.944	6.95		25.996	0.115	1471.	2.6
60	60.0	5.427	32.952	6.95		26.004	0.119	1471.	2.7
61	62.0	5.420	32.959	6.93		26.010	0.123	1471.	2.6
64	64.0	5.417	32.960	6.95		26.011	0.127	1471.	2.6
65	66.0	5.408	32.964	6.94		26.015	0.131	1471.	2.8
67	68.0	5.410	32.968	6.94		26.018	0.135	1471.	3.1
69	69.8	5.413	32.971	6.92		26.020	0.138	1471.	3.4
71	72.0	5.412	32.980	6.91		26.027	0.142	1471.	3.6
74	74.2	5.397	33.001	6.89		26.046	0.147	1471.	3.7
75	75.9	5.393	33.016	6.88		26.058	0.150	1471.	3.8
77	78.0	5.397	33.025	6.84		26.064	0.154	1471.	3.9
80	80.1	5.403	33.033	6.84		26.070	0.158	1471.	4.0
81	82.0	5.419	33.047	6.82		26.079	0.162	1471.	4.0
83	84.0	5.426	33.060	6.81		26.089	0.166	1471.	4.0
85	86.0	5.436	33.073	6.80		26.098	0.170	1471.	4.0
87	88.0	5.485	33.106	6.77		26.118	0.174	1472.	4.1
89	90.0	5.517	33.124	6.75		26.129	0.177	1472.	4.2
91	92.1	5.536	33.130	6.71		26.132	0.181	1472.	4.5
93	93.7	5.546	33.137	6.69		26.136	0.184	1472.	4.8
95	96.0	5.578	33.167	6.63		26.156	0.189	1472.	5.0
97	98.1	5.618	33.198	6.61		26.176	0.192	1473.	5.4
99	99.9	5.692	33.240	6.56		26.200	0.196	1473.	5.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	5	24 APR 1981	23.6	40°29.8 N	67°48.5 W	117

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	101.2	5.745	33.273	6.51		26.220	0.198	1473.	6.1
101	102.0	5.781	33.288	6.49		26.227	0.200	1473.	6.4
102	103.1	5.821	33.314	6.48		26.243	0.202	1474.	6.6
103	103.9	5.862	33.332	6.43		26.252	0.203	1474.	7.2
104	105.0	5.923	33.362	6.40		26.268	0.205	1474.	8.4
105	106.0	5.982	33.390	6.37		26.283	0.207	1474.	9.3
106	107.0	6.076	33.429	6.32		26.302	0.208	1475.	10.1
107	108.0	6.267	33.516	6.28		26.347	0.210	1476.	10.1
108	109.0	6.459	33.643	6.26		26.422	0.212	1477.	10.1
109	110.0	6.559	33.692	6.18		26.448	0.213	1477.	10.1
110	110.9	6.669	33.761	5.98		26.487	0.215	1478.	10.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	6	25 APR 1981	22.3	40°24.8 N	67°40.0 W	630

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.3	5.899	33.007	7.10	0.30	25.991	0.000	1472.	1.0
4	3.9	5.900	33.007	7.06	0.30	25.990	0.003	1472.	1.0
6	6.0	5.900	33.007	7.14	0.30	25.990	0.007	1472.	1.0
8	7.9	5.902	33.007	7.11	0.30	25.990	0.011	1472.	1.0
10	10.2	5.901	33.007	7.11	0.30	25.990	0.016	1472.	1.0
12	12.0	5.899	33.007	7.10	0.30	25.991	0.019	1472.	1.4
14	14.2	5.895	33.008	7.09	0.30	25.992	0.024	1472.	1.7
16	16.0	5.892	33.009	7.10	0.30	25.993	0.028	1472.	2.1
18	18.1	5.878	33.012	7.10	0.29	25.997	0.032	1472.	2.4
20	19.9	5.867	33.015	7.00	0.28	26.001	0.035	1472.	2.6
22	22.1	5.845	33.019	7.01	0.27	26.007	0.040	1472.	2.6
24	23.7	5.820	33.024	7.05	0.25	26.014	0.043	1472.	2.5
26	26.1	5.816	33.029	7.07	0.25	26.018	0.048	1472.	2.4
28	28.0	5.813	33.031	7.09	0.24	26.020	0.051	1472.	2.3
30	30.1	5.809	33.033	7.12	0.24	26.022	0.055	1472.	2.2
32	32.1	5.808	33.034	7.09	0.24	26.023	0.059	1472.	2.2
34	33.9	5.805	33.037	6.99	0.23	26.025	0.063	1472.	2.3
36	36.1	5.800	33.043	6.91	0.23	26.031	0.067	1472.	2.4
38	37.8	5.800	33.047	7.06	0.23	26.034	0.071	1472.	2.5
40	40.1	5.801	33.055	7.11	0.23	26.040	0.075	1472.	2.8
42	41.9	5.809	33.061	7.07	0.22	26.044	0.079	1472.	3.4
44	44.0	5.820	33.066	7.01	0.22	26.047	0.083	1472.	4.1
46	46.0	5.823	33.070	6.99	0.21	26.050	0.087	1472.	5.0
48	48.1	5.845	33.100	6.96	0.21	26.070	0.091	1473.	5.9
49	49.8	5.873	33.138	6.94	0.20	26.097	0.094	1473.	6.6
52	52.2	5.933	33.189	6.89	0.20	26.131	0.099	1473.	7.0
53	53.9	6.018	33.253	6.80	0.20	26.170	0.102	1473.	7.1
56	56.2	6.057	33.330	6.70	0.19	26.226	0.106	1474.	6.7
57	57.9	6.105	33.367	6.58	0.18	26.249	0.109	1474.	6.0
60	60.1	6.152	33.401	6.51	0.18	26.271	0.113	1474.	5.2
61	61.8	6.152	33.402	6.45	0.18	26.271	0.116	1474.	4.1
64	64.1	6.153	33.403	6.42	0.18	26.272	0.120	1474.	2.8
65	65.9	6.152	33.407	6.43	0.18	26.275	0.123	1474.	2.2
68	68.0	6.152	33.407	6.43	0.17	26.275	0.127	1474.	2.9
69	69.8	6.151	33.408	6.42	0.17	26.276	0.130	1474.	4.8
72	72.2	6.140	33.411	6.41	0.17	26.280	0.134	1474.	6.4
73	74.1	6.134	33.417	6.37	0.17	26.285	0.137	1474.	7.2
75	75.9	6.194	33.495	6.30	0.16	26.340	0.140	1475.	7.7
78	78.2	6.461	33.667	6.20	0.15	26.441	0.144	1476.	7.9
79	79.8	6.667	33.785	6.05	0.15	26.507	0.147	1477.	8.1
82	82.2	6.884	33.823	5.96	0.15	26.507	0.150	1478.	7.6
83	83.8	6.952	33.849	5.91	0.14	26.519	0.153	1478.	6.7
85	86.1	7.150	33.917	5.85	0.15	26.545	0.156	1479.	5.5
87	88.0	7.570	34.061	5.73	0.15	26.600	0.159	1481.	4.9
89	90.1	8.010	34.142	5.72	0.15	26.599	0.162	1483.	5.2
91	91.8	8.003	34.136	5.77	0.16	26.595	0.164	1483.	4.9
93	94.0	7.965	34.139	5.78	0.16	26.603	0.168	1483.	4.4
95	96.1	8.002	34.171	5.76	0.16	26.622	0.171	1483.	4.0
97	97.8	8.155	34.255	5.70	0.16	26.666	0.173	1484.	4.4
99	100.1	8.248	34.248	5.67	0.16	26.646	0.176	1484.	4.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	6	25 APR 1981	22.3	40°24.8 N	67°40.0 W	630

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
101	102.1	8.283	34.269	5.62	0.17	26.657	0.179	1484.	5.1
103	104.1	8.331	34.298	5.60	0.17	26.673	0.182	1485.	5.1
105	105.7	8.384	34.329	5.58	0.17	26.690	0.184	1485.	4.9
107	108.3	8.512	34.420	5.51	0.17	26.741	0.187	1485.	4.9
109	110.1	8.523	34.429	5.47	0.17	26.746	0.190	1486.	4.6
111	111.8	8.530	34.436	5.41	0.17	26.751	0.192	1486.	4.0
113	114.2	8.532	34.438	5.36	0.17	26.752	0.195	1486.	3.5
115	116.0	8.533	34.442	5.36	0.17	26.755	0.198	1486.	2.9
117	118.0	8.527	34.450	5.36	0.17	26.762	0.200	1486.	3.0
119	120.1	8.529	34.455	5.32	0.17	26.766	0.203	1486.	3.2
121	121.9	8.573	34.481	5.25	0.17	26.779	0.205	1486.	3.8
123	124.2	8.602	34.498	5.23	0.18	26.788	0.208	1486.	4.1
125	126.0	8.623	34.503	5.21	0.17	26.789	0.210	1486.	4.1
127	127.9	8.635	34.518	5.20	0.18	26.798	0.213	1486.	4.2
129	130.0	8.660	34.571	5.20	0.18	26.836	0.215	1487.	4.1
131	132.2	8.662	34.575	5.23	0.18	26.839	0.218	1487.	4.0
133	133.9	8.672	34.578	5.20	0.18	26.840	0.220	1487.	3.8
135	136.1	8.696	34.594	5.20	0.18	26.849	0.223	1487.	3.4
137	137.9	8.707	34.605	5.17	0.18	26.855	0.225	1487.	3.0
139	140.0	8.715	34.612	5.12	0.18	26.860	0.228	1487.	3.2
141	142.2	8.717	34.622	5.11	0.18	26.867	0.230	1487.	3.6
143	143.9	8.717	34.624	5.08	0.18	26.869	0.232	1487.	4.0
145	146.0	8.720	34.640	5.06	0.18	26.881	0.235	1487.	4.5
147	148.1	8.736	34.656	5.04	0.17	26.891	0.237	1487.	4.8
149	149.9	8.772	34.698	5.00	0.17	26.918	0.239	1487.	4.8
151	151.9	8.803	34.728	4.98	0.17	26.937	0.242	1488.	4.7
153	154.1	8.878	34.773	4.93	0.17	26.961	0.244	1488.	4.4
155	156.0	8.901	34.784	4.84	0.18	26.965	0.246	1488.	4.1
157	158.1	8.911	34.790	4.84	0.18	26.968	0.249	1488.	3.5
159	159.9	8.920	34.795	4.85	0.19	26.971	0.251	1488.	3.1
161	162.0	8.953	34.811	4.83	0.19	26.978	0.253	1488.	2.7
163	164.0	8.983	34.827	4.83	0.19	26.986	0.255	1489.	2.7
164	165.7	8.990	34.831	4.81	0.19	26.988	0.257	1489.	2.7
167	168.2	8.986	34.838	4.79	0.20	26.994	0.260	1489.	2.6
169	169.9	8.972	34.837	4.77	0.19	26.995	0.262	1489.	2.5
171	172.2	8.960	34.841	4.77	0.19	27.001	0.264	1489.	2.7
173	174.1	8.957	34.843	4.76	0.19	27.003	0.266	1489.	3.2
174	175.6	8.951	34.846	4.74	0.18	27.006	0.268	1489.	3.5
177	178.0	8.933	34.852	4.74	0.19	27.014	0.270	1489.	3.8
179	180.0	8.949	34.874	4.76	0.18	27.028	0.272	1489.	4.1
181	182.0	9.010	34.915	4.72	0.18	27.050	0.274	1489.	4.6
183	184.3	9.022	34.923	4.68	0.17	27.055	0.277	1489.	4.9
184	185.8	9.037	34.936	4.59	0.17	27.062	0.278	1489.	5.1
186	188.0	9.072	34.971	4.53	0.17	27.085	0.281	1490.	5.0
189	190.3	9.120	35.022	4.48	0.16	27.117	0.283	1490.	5.1
190	191.9	9.136	35.041	4.40	0.14	27.129	0.284	1490.	5.1
192	194.1	9.126	35.056	4.33	0.14	27.142	0.287	1490.	4.9
194	196.1	9.041	35.040	4.30	0.13	27.143	0.288	1490.	4.5
196	197.9	8.904	35.051	4.26	0.13	27.174	0.290	1489.	4.0
199	200.2	8.882	35.058	4.23	0.13	27.183	0.292	1489.	3.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	6	25 APR 1981	22.3	40°24.8 N	67°40.0 W	630

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
200	202.0	8.880	35.061	4.19	0.12	27.186	0.294	1489.	3.1
202	203.9	8.879	35.062	4.20	0.13	27.186	0.296	1489.	2.6
204	206.0	8.875	35.063	4.20	0.13	27.188	0.298	1489.	1.8
207	208.2	8.871	35.064	4.19	0.13	27.190	0.300	1489.	1.6
208	209.9	8.868	35.065	4.15	0.12	27.191	0.301	1489.	1.6
211	212.3	8.857	35.065	4.16	0.12	27.193	0.303	1489.	1.7
212	214.1	8.837	35.064	4.16	0.12	27.195	0.305	1489.	1.8
214	215.7	8.817	35.059	4.15	0.12	27.194	0.306	1489.	1.9
216	218.2	8.781	35.059	4.15	0.12	27.200	0.309	1489.	1.9
218	219.9	8.788	35.063	4.16	0.12	27.202	0.310	1489.	1.9
220	222.1	8.792	35.067	4.16	0.12	27.204	0.312	1489.	1.8
222	223.8	8.785	35.068	4.15	0.11	27.206	0.314	1489.	1.8
224	226.0	8.776	35.068	4.12	0.11	27.207	0.316	1489.	1.8
226	228.1	8.764	35.067	4.11	0.11	27.209	0.317	1489.	2.0
228	229.8	8.750	35.065	4.10	0.11	27.209	0.319	1489.	2.1
230	232.3	8.731	35.065	4.11	0.11	27.213	0.321	1489.	2.2
232	233.9	8.695	35.065	4.14	0.11	27.218	0.323	1489.	2.3
234	236.1	8.621	35.055	4.15	0.11	27.222	0.325	1489.	2.3
236	237.8	8.593	35.054	4.14	0.11	27.225	0.326	1489.	2.3
238	240.0	8.584	35.056	4.13	0.11	27.228	0.328	1489.	2.2
240	242.0	8.576	35.055	4.12	0.11	27.229	0.330	1489.	2.0
242	244.2	8.550	35.055	4.12	0.11	27.233	0.332	1489.	2.1
244	246.0	8.542	35.056	4.12	0.11	27.235	0.333	1489.	2.2
246	248.3	8.532	35.055	4.13	0.11	27.236	0.335	1489.	2.4
248	249.9	8.492	35.051	4.15	0.11	27.239	0.337	1488.	2.5
250	252.0	8.413	35.045	4.16	0.11	27.247	0.338	1488.	2.6
252	254.0	8.322	35.033	4.20	0.11	27.251	0.340	1488.	2.7
254	256.1	8.269	35.030	4.26	0.11	27.257	0.342	1488.	2.7
256	257.9	8.195	35.012	4.28	0.11	27.254	0.344	1487.	2.6
258	259.9	8.188	35.024	4.29	0.12	27.264	0.345	1487.	3.0
260	262.2	8.202	35.030	4.29	0.12	27.267	0.347	1488.	3.3
262	264.0	8.135	35.023	4.28	0.12	27.272	0.349	1487.	3.5
264	266.0	8.012	34.999	4.29	0.12	27.271	0.350	1487.	3.6
266	268.2	7.858	35.006	4.32	0.12	27.300	0.352	1486.	3.6
268	269.8	7.826	35.005	4.35	0.12	27.304	0.353	1486.	3.5
270	272.1	7.793	35.007	4.38	0.12	27.310	0.355	1486.	3.3
272	274.0	7.767	35.003	4.40	0.12	27.311	0.357	1486.	3.0
274	276.0	7.709	35.003	4.41	0.13	27.319	0.358	1486.	2.3
276	278.0	7.700	35.002	4.42	0.12	27.320	0.360	1486.	2.1
278	280.0	7.687	35.001	4.42	0.13	27.322	0.362	1486.	1.9
279	281.9	7.664	34.999	4.43	0.13	27.323	0.363	1486.	1.9
282	284.3	7.639	34.997	4.45	0.13	27.326	0.365	1486.	1.8
283	285.9	7.634	34.998	4.46	0.13	27.327	0.366	1486.	2.0
286	288.1	7.620	34.995	4.45	0.13	27.327	0.368	1486.	2.1
288	290.0	7.582	34.995	4.47	0.13	27.332	0.370	1486.	2.2
289	291.9	7.546	34.992	4.48	0.13	27.335	0.371	1486.	2.5
292	294.2	7.501	34.991	4.47	0.13	27.341	0.373	1485.	2.6
293	295.9	7.494	34.992	4.46	0.13	27.343	0.374	1485.	2.7
296	298.3	7.442	34.987	4.46	0.12	27.346	0.376	1485.	2.6
297	300.0	7.406	34.993	4.44	0.12	27.356	0.377	1485.	2.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	6	25 APR 1981	22.3	40°24.8 N	67°40.0 W	630

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
300	302.1	7.373	34.990	4.42	0.12	27.359	0.379	1485.	2.3
301	303.8	7.362	34.991	4.40	0.12	27.361	0.380	1485.	2.1
303	306.0	7.345	34.991	4.40	0.12	27.364	0.382	1485.	2.0
305	307.9	7.333	34.989	4.45	0.12	27.364	0.383	1485.	1.9
307	310.0	7.315	34.984	4.48	0.13	27.362	0.385	1485.	1.9
310	312.2	7.273	34.982	4.51	0.13	27.367	0.386	1485.	1.9
311	313.9	7.245	34.984	4.51	0.13	27.372	0.388	1485.	1.9
313	315.9	7.233	34.986	4.52	0.13	27.375	0.389	1485.	1.9
315	318.1	7.231	34.986	4.52	0.13	27.376	0.391	1485.	1.8
317	319.9	7.229	34.987	4.52	0.13	27.376	0.392	1485.	2.2
319	322.0	7.224	34.987	4.54	0.13	27.377	0.394	1485.	2.6
321	324.0	7.204	34.984	4.53	0.13	27.378	0.395	1485.	3.0
323	325.9	7.173	34.983	4.53	0.13	27.381	0.397	1485.	3.5
325	328.0	7.020	34.979	4.55	0.13	27.400	0.398	1484.	3.8
327	330.0	6.930	34.974	4.63	0.13	27.408	0.400	1484.	4.0
329	331.9	6.873	34.976	4.67	0.13	27.418	0.401	1484.	4.0
331	334.1	6.765	34.973	4.70	0.13	27.430	0.403	1483.	3.8
333	335.9	6.713	34.974	4.71	0.13	27.438	0.404	1483.	3.4
335	338.1	6.652	34.972	4.73	0.13	27.445	0.405	1483.	3.0
337	340.0	6.617	34.971	4.74	0.13	27.449	0.407	1483.	2.6
339	342.0	6.612	34.970	4.75	0.13	27.449	0.408	1483.	2.3
341	344.0	6.598	34.971	4.76	0.13	27.451	0.409	1483.	2.3
343	346.2	6.580	34.970	4.78	0.13	27.453	0.411	1483.	2.5
345	347.9	6.557	34.969	4.78	0.13	27.455	0.412	1483.	2.8
347	349.8	6.508	34.967	4.80	0.13	27.461	0.413	1482.	3.5
349	352.2	6.430	34.964	4.83	0.13	27.468	0.415	1482.	4.1
351	354.0	6.377	34.967	4.87	0.13	27.477	0.416	1482.	4.4
353	356.1	6.158	34.943	4.92	0.13	27.488	0.417	1481.	4.4
355	357.9	5.961	34.945	4.97	0.13	27.515	0.418	1480.	4.3
357	360.0	5.891	34.954	5.04	0.13	27.530	0.420	1480.	4.0
359	362.3	5.865	34.954	5.08	0.13	27.534	0.421	1480.	3.6
361	363.9	5.850	34.954	5.10	0.13	27.536	0.422	1480.	3.0
363	366.2	5.824	34.953	5.11	0.13	27.538	0.423	1480.	2.4
365	368.0	5.806	34.951	5.11	0.13	27.539	0.424	1480.	2.1
367	370.0	5.784	34.953	5.10	0.13	27.543	0.425	1480.	2.0
369	372.1	5.761	34.950	5.13	0.13	27.544	0.427	1480.	1.9
371	374.0	5.723	34.952	5.15	0.13	27.550	0.428	1480.	2.1
373	375.8	5.716	34.950	5.16	0.13	27.549	0.429	1480.	2.1
375	378.1	5.701	34.951	5.17	0.13	27.552	0.430	1480.	2.1
377	379.9	5.660	34.942	5.19	0.13	27.550	0.431	1480.	2.2
379	381.9	5.620	34.950	5.19	0.13	27.561	0.432	1479.	2.2
381	384.2	5.604	34.948	5.21	0.13	27.562	0.434	1479.	2.2
383	386.0	5.584	34.948	5.21	0.13	27.564	0.435	1479.	2.1
385	388.1	5.551	34.948	5.24	0.13	27.568	0.436	1479.	1.9
386	389.8	5.542	34.948	5.24	0.13	27.569	0.437	1479.	1.5
389	392.2	5.537	34.948	5.24	0.13	27.570	0.438	1479.	1.3
391	394.0	5.537	34.948	5.25	0.14	27.570	0.439	1479.	1.1
393	396.2	5.537	34.948	5.26	0.14	27.570	0.440	1479.	0.9
395	398.0	5.530	34.948	5.27	0.13	27.571	0.441	1479.	0.9
397	400.0	5.527	34.948	5.24	0.13	27.571	0.443	1479.	0.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	6	25 APR 1981	22.3	40°24.8 N	67°40.0 W	630

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
398	402.0	5.522	34.948	5.24	0.13	27.572	0.444	1479.	0.8
401	404.1	5.515	34.948	5.23	0.13	27.573	0.445	1479.	0.9
402	405.9	5.513	34.948	5.23	0.13	27.573	0.446	1479.	1.0
404	408.0	5.513	34.948	5.23	0.13	27.573	0.447	1479.	1.1
406	409.9	5.509	34.947	5.25	0.13	27.572	0.448	1479.	1.2
408	412.1	5.496	34.948	5.25	0.14	27.575	0.449	1479.	1.2
410	413.9	5.484	34.947	5.27	0.13	27.576	0.450	1479.	1.2
412	416.0	5.473	34.948	5.27	0.14	27.578	0.451	1479.	1.2
414	418.1	5.469	34.947	5.28	0.13	27.578	0.453	1479.	1.2
416	420.0	5.465	34.947	5.28	0.14	27.578	0.454	1479.	1.2
418	422.0	5.457	34.947	5.27	0.14	27.579	0.455	1479.	1.2
420	423.8	5.449	34.946	5.28	0.14	27.579	0.456	1479.	1.2
422	426.0	5.436	34.946	5.29	0.14	27.581	0.457	1479.	1.2
424	427.9	5.429	34.946	5.29	0.14	27.582	0.458	1479.	1.3
426	430.0	5.423	34.947	5.29	0.14	27.583	0.459	1479.	1.3
428	432.1	5.413	34.946	5.29	0.14	27.583	0.460	1479.	1.6
430	433.9	5.405	34.945	5.30	0.13	27.584	0.461	1479.	1.8
432	435.9	5.393	34.946	5.27	0.14	27.586	0.462	1479.	1.8
434	438.2	5.351	34.941	5.30	0.13	27.587	0.464	1479.	1.8
436	440.0	5.314	34.946	5.31	0.13	27.596	0.465	1479.	1.7
438	441.8	5.310	34.945	5.34	0.14	27.595	0.466	1479.	1.5
440	444.1	5.312	34.944	5.35	0.14	27.594	0.467	1479.	1.2
442	446.0	5.311	34.943	5.37	0.14	27.594	0.468	1479.	1.0
444	448.0	5.312	34.944	5.38	0.14	27.595	0.469	1479.	0.8
446	450.1	5.313	34.945	5.38	0.14	27.594	0.470	1479.	1.1
448	451.9	5.311	34.944	5.38	0.14	27.594	0.471	1479.	1.3
450	453.8	5.289	34.943	5.36	0.13	27.596	0.472	1479.	1.4
452	456.1	5.265	34.943	5.36	0.14	27.599	0.473	1479.	1.8
454	458.0	5.260	34.943	5.37	0.14	27.600	0.474	1479.	2.0
456	460.0	5.254	34.943	5.37	0.14	27.600	0.475	1479.	2.1
458	462.2	5.215	34.939	5.37	0.14	27.602	0.477	1479.	2.1
460	464.1	5.142	34.940	5.42	0.13	27.611	0.478	1479.	2.1
462	466.1	5.125	34.938	5.41	0.13	27.612	0.479	1479.	2.1
464	467.9	5.116	34.940	5.42	0.13	27.615	0.480	1479.	1.9
466	469.9	5.113	34.938	5.43	0.13	27.613	0.481	1479.	1.7
468	472.1	5.092	34.940	5.42	0.13	27.617	0.482	1479.	1.4
470	473.9	5.093	34.940	5.44	0.13	27.617	0.483	1479.	1.4
472	476.2	5.089	34.940	5.43	0.13	27.617	0.484	1479.	1.2
474	478.0	5.075	34.941	5.44	0.14	27.620	0.485	1479.	1.4
476	479.8	5.058	34.939	5.46	0.13	27.620	0.486	1479.	1.4
478	482.1	5.053	34.939	5.47	0.13	27.621	0.487	1479.	1.5
480	483.9	5.042	34.936	5.48	0.13	27.619	0.488	1479.	1.5
482	486.0	5.009	34.938	5.48	0.13	27.625	0.489	1479.	1.5
484	488.3	4.995	34.938	5.48	0.13	27.627	0.490	1479.	1.4
486	490.0	4.999	34.939	5.48	0.13	27.627	0.491	1479.	1.4
488	492.0	4.999	34.939	5.45	0.13	27.627	0.492	1479.	1.2
490	493.9	4.996	34.939	5.47	0.13	27.628	0.493	1479.	0.9
492	496.3	4.986	34.938	5.46	0.13	27.628	0.494	1479.	1.0
493	497.8	4.978	34.938	5.46	0.13	27.629	0.495	1479.	1.0
496	500.2	4.972	34.938	5.47	0.13	27.630	0.496	1479.	0.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	6	25 APR 1981	22.3	40°24.8 N	67°40.0 W	630

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
515	520.0	4.934	34.938	5.52	0.14	27.634	0.506	1479.	1.1
535	540.0	4.894	34.938	5.52	0.14	27.639	0.516	1479.	0.9
555	560.3	4.799	34.936	5.58	0.15	27.648	0.527	1479.	1.3
574	579.7	4.783	34.935	5.55	0.14	27.649	0.536	1479.	1.2
594	600.0	4.685	34.934	5.58	0.14	27.659	0.546	1479.	1.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	7	26 APR 1981	00.3	40°20.9 N	67°40.5 W	965

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	5.858	32.936	6.99	0.46	25.939	0.000	1472.	0.6
4	4.0	5.860	32.936	7.02	0.46	25.939	0.003	1472.	0.6
6	6.0	5.863	32.936	6.98	0.45	25.939	0.007	1472.	0.6
8	7.8	5.867	32.936	7.01	0.46	25.939	0.010	1472.	0.6
10	10.1	5.868	32.938	7.04	0.46	25.939	0.015	1472.	0.6
12	11.9	5.868	32.937	7.04	0.46	25.939	0.019	1472.	1.0
14	14.0	5.868	32.938	7.05	0.46	25.940	0.023	1472.	1.3
16	16.0	5.868	32.938	7.11	0.46	25.940	0.027	1472.	1.6
18	17.9	5.868	32.939	7.08	0.46	25.941	0.031	1472.	2.0
20	20.0	5.868	32.945	7.11	0.45	25.946	0.035	1472.	2.5
22	22.0	5.871	32.951	7.12	0.34	25.949	0.040	1472.	3.0
24	24.0	5.872	32.955	7.09	0.35	25.953	0.044	1472.	3.6
26	26.1	5.872	32.964	7.10	0.33	25.960	0.048	1472.	4.5
28	28.0	5.881	32.985	7.10	0.32	25.975	0.052	1472.	6.0
30	29.8	5.901	33.007	7.02	0.32	25.990	0.056	1472.	7.5
32	32.0	5.976	33.045	6.93	0.32	26.011	0.060	1473.	8.5
34	34.2	6.413	33.174	6.93	0.29	26.058	0.064	1475.	9.3
35	35.7	7.183	33.442	6.73	0.27	26.167	0.067	1478.	9.9
38	38.0	7.994	33.715	6.51	0.24	26.266	0.071	1481.	10.1
40	40.3	8.531	33.872	6.46	0.24	26.308	0.075	1484.	10.0
41	41.8	8.940	34.026	6.45	0.24	26.365	0.078	1485.	9.5
44	44.1	9.874	34.303	6.29	0.22	26.429	0.081	1489.	8.7
46	45.9	10.325	34.452	6.16	0.22	26.468	0.084	1491.	8.0
48	48.1	10.693	34.586	6.05	0.22	26.509	0.088	1493.	7.7
50	49.9	10.948	34.679	5.94	0.23	26.535	0.090	1494.	7.3
52	52.0	11.374	34.811	5.84	0.24	26.560	0.093	1495.	6.8
54	54.2	12.062	35.011	5.72	0.26	26.586	0.097	1498.	6.3
55	55.9	12.666	35.213	5.66	0.27	26.626	0.099	1500.	6.0
58	58.0	13.045	35.355	5.55	0.28	26.659	0.102	1502.	5.7
60	60.1	13.051	35.359	5.51	0.27	26.661	0.105	1502.	5.4
61	61.9	12.994	35.347	5.41	0.27	26.664	0.108	1502.	5.0
64	64.1	12.643	35.288	5.38	0.29	26.688	0.111	1500.	4.7
65	65.9	12.386	35.243	5.45	0.30	26.703	0.113	1500.	4.4
67	68.0	12.168	35.205	5.39	0.31	26.716	0.116	1499.	4.4
70	70.1	11.952	35.167	5.35	0.30	26.729	0.119	1498.	4.4
71	72.0	11.606	35.101	5.42	0.31	26.743	0.121	1497.	4.2
73	74.0	11.408	35.051	5.39	0.29	26.741	0.124	1496.	4.1
75	76.0	11.126	34.998	5.36	0.30	26.752	0.126	1495.	4.1
77	78.1	10.884	34.960	5.33	0.29	26.766	0.129	1494.	4.3
79	79.8	10.674	34.931	5.31	0.29	26.781	0.131	1493.	4.6
81	82.0	10.585	34.920	5.26	0.28	26.788	0.134	1493.	5.1
83	84.0	10.676	34.957	5.21	0.27	26.801	0.137	1494.	5.2
85	86.0	10.819	35.022	5.15	0.22	26.826	0.139	1494.	5.2
87	88.1	11.070	35.110	5.12	0.20	26.849	0.142	1495.	5.1
89	90.0	11.230	35.182	5.09	0.18	26.876	0.144	1496.	4.9
91	92.1	11.302	35.210	5.06	0.17	26.884	0.146	1496.	4.6
93	94.0	11.418	35.249	5.02	0.18	26.893	0.149	1497.	4.1
95	96.0	11.498	35.273	4.88	0.16	26.897	0.151	1497.	3.7
97	98.0	11.665	35.324	4.96	0.16	26.905	0.153	1498.	3.4
99	100.0	11.864	35.389	5.00	0.16	26.918	0.156	1498.	3.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	7	26 APR 1981	00.3	40°20.9 N	67°40.5 W	965

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	11.988	35.422	5.00	0.15	26.920	0.158	1499.	3.1
103	104.0	12.159	35.479	5.04	0.14	26.931	0.160	1500.	2.9
105	105.9	12.169	35.487	5.03	0.14	26.935	0.162	1500.	2.7
107	108.3	12.165	35.488	5.04	0.13	26.937	0.165	1500.	2.7
109	109.9	12.163	35.489	5.12	0.13	26.938	0.167	1500.	2.8
111	112.0	12.150	35.487	5.06	0.14	26.939	0.169	1500.	2.7
113	114.2	12.128	35.494	5.06	0.13	26.949	0.172	1500.	2.8
115	116.0	12.171	35.521	5.08	0.13	26.961	0.174	1500.	2.9
117	118.1	12.171	35.523	5.03	0.13	26.963	0.176	1500.	3.0
119	120.0	12.206	35.534	5.01	0.13	26.965	0.178	1500.	3.0
121	121.8	12.281	35.561	5.01	0.13	26.971	0.180	1500.	2.9
123	124.0	12.297	35.572	4.94	0.13	26.977	0.183	1501.	2.7
125	126.2	12.288	35.576	4.93	0.13	26.982	0.185	1501.	2.6
127	127.9	12.272	35.582	4.93	0.14	26.989	0.187	1501.	2.5
129	130.1	12.342	35.604	4.88	0.13	26.993	0.189	1501.	2.3
131	131.9	12.361	35.609	4.90	0.13	26.993	0.191	1501.	2.2
133	134.1	12.363	35.612	4.89	0.13	26.995	0.194	1501.	2.1
135	136.0	12.362	35.615	4.89	0.12	26.997	0.196	1501.	2.2
137	138.1	12.322	35.609	4.92	0.12	27.000	0.198	1501.	2.5
139	139.9	12.268	35.597	4.89	0.12	27.002	0.200	1501.	2.8
141	142.0	12.246	35.600	4.88	0.12	27.008	0.202	1501.	2.9
143	144.1	12.230	35.607	4.82	0.11	27.017	0.204	1501.	2.9
145	146.1	12.178	35.605	4.78	0.11	27.026	0.207	1501.	2.9
147	147.7	12.145	35.602	4.83	0.11	27.030	0.208	1500.	2.7
149	150.0	12.122	35.600	4.79	0.11	27.032	0.211	1500.	2.5
151	152.0	12.109	35.598	4.73	0.11	27.033	0.213	1500.	2.2
153	153.8	12.096	35.599	4.78	0.11	27.037	0.215	1500.	2.0
155	155.9	12.092	35.600	4.78	0.11	27.038	0.217	1500.	2.2
157	158.4	12.072	35.601	4.74	0.11	27.043	0.220	1500.	2.6
159	159.8	12.052	35.594	4.72	0.11	27.042	0.221	1500.	3.1
161	162.0	11.938	35.571	4.63	0.11	27.045	0.223	1500.	3.8
163	164.2	11.808	35.554	4.55	0.11	27.057	0.226	1500.	4.2
165	166.0	11.634	35.529	4.28	0.12	27.071	0.227	1499.	4.4
167	168.1	11.503	35.514	4.19	0.12	27.083	0.230	1499.	4.4
169	170.0	10.969	35.427	4.24	0.12	27.114	0.232	1497.	4.1
171	171.9	10.750	35.383	4.21	0.12	27.120	0.233	1496.	4.0
173	174.3	10.711	35.369	4.18	0.13	27.116	0.236	1496.	3.8
174	175.8	10.706	35.369	4.17	0.13	27.117	0.237	1496.	3.5
177	178.0	10.663	35.360	4.12	0.13	27.117	0.239	1496.	3.3
179	180.2	9.969	35.243	4.19	0.13	27.147	0.241	1493.	3.4
180	182.0	9.737	35.191	4.24	0.13	27.147	0.243	1492.	3.7
183	184.0	9.741	35.195	4.22	0.13	27.149	0.245	1492.	3.6
185	186.1	9.584	35.175	4.21	0.13	27.159	0.247	1492.	3.4
186	187.9	9.483	35.157	4.23	0.12	27.162	0.249	1491.	3.0
189	190.2	9.117	35.096	4.30	0.12	27.175	0.251	1490.	3.2
190	191.9	9.008	35.071	4.28	0.12	27.173	0.252	1489.	3.4
193	194.1	8.891	35.052	4.21	0.12	27.177	0.254	1489.	3.3
195	196.2	8.820	35.048	4.08	0.12	27.185	0.256	1489.	3.2
196	197.9	9.036	35.111	4.01	0.12	27.199	0.258	1490.	3.1
198	200.0	9.240	35.165	3.93	0.12	27.209	0.260	1491.	3.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	7	26 APR 1981	00.3	40°20.9 N	67°40.5 W	965

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
200	202.0	9.165	35.150	3.98	0.12	27.210	0.262	1490.	2.7
202	204.0	9.056	35.130	4.00	0.12	27.211	0.263	1490.	2.3
205	206.3	8.962	35.114	4.01	0.12	27.214	0.265	1490.	1.9
206	207.8	8.949	35.113	4.00	0.12	27.215	0.267	1490.	1.7
208	210.2	8.988	35.123	3.98	0.12	27.217	0.269	1490.	1.6
210	211.8	8.975	35.123	4.00	0.12	27.219	0.270	1490.	1.5
212	214.0	8.979	35.125	3.99	0.12	27.220	0.272	1490.	1.4
214	216.1	8.979	35.126	3.97	0.12	27.220	0.274	1490.	1.7
216	217.9	8.974	35.126	3.97	0.12	27.221	0.276	1490.	2.1
218	220.0	8.954	35.123	3.96	0.12	27.222	0.277	1490.	2.3
220	222.2	8.932	35.120	3.99	0.12	27.224	0.279	1490.	2.8
222	223.8	8.829	35.114	4.09	0.12	27.235	0.281	1489.	3.2
224	225.9	8.520	35.057	4.10	0.13	27.239	0.283	1488.	3.5
226	228.3	8.480	35.053	4.11	0.12	27.242	0.285	1488.	3.7
228	229.8	8.359	35.048	4.14	0.12	27.257	0.286	1488.	3.7
230	232.0	8.261	35.042	4.12	0.12	27.267	0.288	1487.	3.5
232	234.2	8.208	35.041	4.16	0.12	27.275	0.290	1487.	3.4
234	235.9	8.140	35.037	4.19	0.13	27.282	0.291	1487.	3.1
236	238.0	8.080	35.030	4.17	0.13	27.286	0.293	1487.	2.7
238	240.2	8.053	35.029	4.19	0.12	27.289	0.295	1487.	2.3
240	241.7	8.030	35.027	4.22	0.12	27.291	0.296	1487.	2.0
242	244.1	8.017	35.025	4.20	0.12	27.292	0.298	1487.	1.7
244	245.9	8.004	35.025	4.20	0.12	27.293	0.299	1487.	1.6
246	248.1	7.983	35.024	4.21	0.12	27.296	0.301	1487.	2.0
248	250.0	7.978	35.024	4.24	0.12	27.296	0.303	1487.	2.4
250	251.8	7.969	35.023	4.25	0.12	27 297	0.304	1487.	2.7
252	254.0	7.920	35.017	4.24	0.12	27.300	0.306	1486.	2.8
254	256.0	7.803	35.014	4.28	0.12	27.315	0.307	1486.	2.9
256	258.0	7.739	35.010	4.30	0.12	27.321	0.309	1486.	2.9
258	260.0	7.693	35.007	4.29	0.13	27.325	0.311	1486.	2.8
260	261.9	7.677	35.006	4.32	0.13	27.327	0.312	1486.	2.6
262	264.0	7.651	35.004	4.32	0.13	27.329	0.314	1485.	2.6
264	266.1	7.633	35.004	4.33	0.13	27.332	0.315	1485.	3.2
266	267.8	7.628	35.005	4.36	0.13	27.333	0.317	1485.	3.7
268	270.2	7.570	35.004	4.36	0.13	27.341	0.318	1485.	4.1
270	271.8	7.468	35.001	4.35	0.13	27.353	0.320	1485.	4.2
272	274.3	7.218	34.996	4.38	0.12	27.385	0.322	1484.	4.2
274	275.9	7.138	34.992	4.39	0.12	27.394	0.323	1484.	4.0
276	278.1	7.101	34.991	4.41	0.12	27.398	0.324	1484.	3.7
278	280.0	7.083	34.991	4.41	0.12	27.401	0.326	1484.	3.2
280	281.9	7.075	34.991	4.40	0.12	27.401	0.327	1484.	2.6
282	284.2	7.045	34.991	4.42	0.12	27.406	0.329	1483.	2.4
283	285.8	6.996	34.990	4.44	0.12	27.412	0.330	1483.	2.3
286	288.0	6.950	34.987	4.43	0.12	27.416	0.331	1483.	2.2
288	290.2	6.914	34.986	4.44	0.12	27.420	0.333	1483.	2.1
289	291.9	6.906	34.985	4.42	0.12	27.420	0.334	1483.	1.9
292	294.2	6.907	34.985	4.44	0.11	27.421	0.336	1483.	1.7
293	295.8	6.895	34.984	4.48	0.12	27.421	0.337	1483.	1.6
296	298.1	6.885	34.984	4.48	0.12	27.423	0.338	1483.	1.9
297	299.9	6.865	34.984	4.46	0.11	27.425	0.340	1483.	2.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	7	26 APR 1981	00.3	40°20.9 N	67°40.5 W	965

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	6.843	34.983	4.49	0.11	27.427	0.341	1483.	2.5
301	303.9	6.822	34.982	4.48	0.11	27.430	0.342	1483.	2.6
304	306.2	6.744	34.982	4.50	0.11	27.440	0.344	1483.	2.6
305	307.9	6.703	34.982	4.53	0.11	27.446	0.345	1483.	2.6
307	310.0	6.699	34.984	4.54	0.11	27.448	0.347	1483.	2.6
309	312.1	6.699	34.986	4.54	0.11	27.450	0.348	1483.	2.4
311	314.1	6.680	34.987	4.54	0.11	27.453	0.349	1483.	2.2
313	315.8	6.667	34.987	4.53	0.11	27.455	0.350	1483.	2.3
315	318.0	6.637	34.989	4.52	0.11	27.460	0.352	1482.	2.4
317	320.1	6.632	34.991	4.55	0.11	27.462	0.353	1482.	2.4
319	322.0	6.615	34.993	4.58	0.11	27.466	0.355	1482.	2.3
321	324.0	6.565	34.990	4.58	0.11	27.471	0.356	1482.	2.3
323	326.0	6.534	34.989	4.58	0.11	27.474	0.357	1482.	2.4
325	328.0	6.528	34.991	4.59	0.11	27.477	0.358	1482.	2.3
327	330.1	6.521	34.988	4.62	0.11	27.475	0.360	1482.	2.3
329	331.8	6.483	34.992	4.62	0.11	27.484	0.361	1482.	2.2
331	334.0	6.438	34.991	4.62	0.11	27.489	0.362	1482.	2.2
333	336.2	6.404	34.985	4.65	0.11	27.488	0.364	1482.	2.2
335	337.9	6.365	34.983	4.65	0.11	27.492	0.365	1482.	2.3
337	340.0	6.359	34.983	4.65	0.11	27.493	0.366	1482.	2.3
339	342.0	6.324	34.980	4.71	0.12	27.495	0.367	1482.	2.4
341	344.1	6.264	34.975	4.75	0.12	27.499	0.369	1481.	2.6
343	346.0	6.239	34.977	4.77	0.12	27.504	0.370	1481.	2.7
345	348.1	6.156	34.972	4.82	0.12	27.511	0.371	1481.	2.8
347	349.9	6.107	34.966	4.86	0.12	27.512	0.372	1481.	2.9
349	351.9	6.037	34.963	4.88	0.12	27.519	0.373	1481.	2.9
351	354.1	6.000	34.960	4.89	0.12	27.522	0.375	1480.	2.8
353	355.8	5.955	34.960	4.94	0.12	27.527	0.376	1480.	2.7
355	358.0	5.890	34.957	4.94	0.12	27.533	0.377	1480.	2.7
357	360.2	5.858	34.957	4.97	0.12	27.537	0.378	1480.	2.7
359	361.7	5.828	34.955	5.00	0.12	27.539	0.379	1480.	2.7
361	364.2	5.791	34.955	5.01	0.12	27.544	0.381	1480.	2.5
363	365.8	5.746	34.952	5.01	0.12	27.547	0.382	1480.	2.4
365	368.1	5.684	34.950	5.02	0.11	27.553	0.383	1479.	2.4
367	370.1	5.646	34.947	5.04	0.11	27.556	0.384	1479.	2.6
369	371.8	5.638	34.947	5.07	0.11	27.557	0.385	1479.	2.7
371	374.0	5.612	34.947	5.09	0.11	27.560	0.386	1479.	2.7
373	376.0	5.559	34.945	5.09	0.11	27.565	0.387	1479.	2.6
375	378.2	5.452	34.942	5.14	0.11	27.575	0.389	1479.	2.5
377	379.9	5.411	34.939	5.17	0.11	27.578	0.390	1479.	2.3
379	382.1	5.411	34.940	5.16	0.11	27.579	0.391	1479.	2.0
381	384.0	5.405	34.939	5.15	0.11	27.579	0.392	1479.	1.7
383	385.9	5.412	34.940	5.18	0.11	27.579	0.393	1479.	1.6
385	388.0	5.409	34.940	5.20	0.11	27.579	0.394	1479.	1.7
387	390.2	5.398	34.940	5.20	0.11	27.581	0.395	1479.	1.8
389	391.9	5.346	34.940	5.17	0.11	27.586	0.396	1478.	1.8
391	394.1	5.287	34.936	5.15	0.11	27.591	0.397	1478.	1.7
393	396.0	5.286	34.937	5.16	0.11	27.591	0.398	1478.	1.6
395	398.0	5.298	34.937	5.13	0.11	27.590	0.399	1478.	1.5
396	399.9	5.305	34.937	5.17	0.11	27.590	0.401	1478.	1.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	7	26 APR 1981	00.3	40°20.9 N	67°40.5 W	965

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	5.287	34.935	5.22	0.11	27.590	0.402	1478.	1.2
400	403.9	5.267	34.936	5.22	0.12	27.593	0.403	1478.	1.3
403	406.2	5.256	34.936	5.24	0.12	27.595	0.404	1478.	1.4
404	407.8	5.254	34.936	5.29	0.12	27.595	0.405	1478.	1.5
407	410.1	5.247	34.938	5.31	0.12	27.597	0.406	1478.	1.5
408	411.9	5.243	34.938	5.32	0.12	27.598	0.407	1478.	1.4
410	414.1	5.239	34.938	5.35	0.13	27.598	0.408	1478.	1.4
412	416.1	5.232	34.939	5.36	0.13	27.600	0.409	1478.	1.3
414	417.7	5.224	34.940	5.36	0.13	27.601	0.410	1478.	1.2
417	420.2	5.208	34.939	5.38	0.13	27.602	0.411	1478.	1.2
418	422.0	5.203	34.939	5.39	0.13	27.603	0.412	1478.	1.1
420	423.9	5.202	34.939	5.38	0.13	27.603	0.413	1478.	0.9
422	426.2	5.199	34.939	5.38	0.13	27.603	0.414	1478.	0.8
424	427.9	5.197	34.939	5.34	0.13	27.604	0.415	1478.	0.8
426	430.1	5.193	34.939	5.36	0.13	27.604	0.417	1478.	0.8
428	431.8	5.193	34.939	5.39	0.13	27.604	0.417	1479.	0.9
430	434.0	5.191	34.939	5.38	0.13	27.604	0.419	1479.	0.9
432	436.2	5.180	34.939	5.40	0.13	27.606	0.420	1479.	1.0
434	438.0	5.176	34.939	5.40	0.13	27.606	0.421	1479.	1.0
436	440.0	5.175	34.939	5.39	0.13	27.606	0.422	1479.	1.0
438	442.2	5.167	34.939	5.40	0.13	27.607	0.423	1479.	0.9
440	444.0	5.150	34.937	5.39	0.13	27.608	0.424	1479.	0.8
442	446.1	5.145	34.937	5.40	0.13	27.608	0.425	1479.	0.7
444	447.9	5.145	34.936	5.39	0.13	27.608	0.426	1479.	0.6
446	450.1	5.147	34.937	5.40	0.13	27.608	0.427	1479.	0.3
448	451.8	5.150	34.937	5.40	0.13	27.608	0.428	1479.	0.1
450	454.0	5.144	34.937	5.38	0.13	27.608	0.429	1479.	0.3
452	456.1	5.141	34.936	5.37	0.13	27.608	0.430	1479.	0.4
454	457.9	5.145	34.936	5.32	0.13	27.608	0.431	1479.	0.5
456	460.2	5.142	34.936	5.33	0.13	27.608	0.432	1479.	0.8
458	461.9	5.137	34.936	5.35	0.13	27.609	0.433	1479.	0.9
460	463.9	5.137	34.936	5.31	0.12	27.608	0.434	1479.	1.2
462	466.2	5.121	34.934	5.31	0.12	27.609	0.436	1479.	1.3
464	467.8	5.107	34.935	5.37	0.13	27.611	0.436	1479.	1.5
466	469.9	5.091	34.934	5.36	0.13	27.612	0.438	1479.	1.5
468	472.0	5.076	34.934	5.37	0.13	27.614	0.439	1479.	1.6
470	473.9	5.064	34.934	5.40	0.13	27.615	0.440	1479.	1.6
472	475.9	5.048	34.933	5.39	0.13	27.617	0.441	1479.	1.6
474	478.1	5.030	34.932	5.41	0.12	27.618	0.442	1479.	1.6
476	479.8	5.027	34.932	5.43	0.12	27.619	0.443	1479.	1.6
478	481.9	5.013	34.932	5.43	0.13	27.620	0.444	1479.	1.6
480	484.1	4.987	34.932	5.45	0.12	27.623	0.445	1479.	1.5
481	485.7	4.969	34.932	5.47	0.13	27.625	0.446	1478.	1.5
484	488.0	4.959	34.931	5.46	0.12	27.625	0.447	1478.	1.4
486	490.1	4.956	34.931	5.46	0.12	27.626	0.448	1479.	1.3
488	491.9	4.954	34.932	5.48	0.13	27.627	0.449	1479.	1.1
490	493.9	4.943	34.931	5.47	0.13	27.628	0.450	1479.	1.1
492	496.1	4.935	34.931	5.46	0.13	27.628	0.451	1479.	1.1
494	498.1	4.931	34.931	5.50	0.13	27.629	0.452	1479.	1.2
496	500.1	4.929	34.931	5.52	0.13	27.629	0.453	1479.	1.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	7	26 APR 1981	00.3	40°20.9 N	67°40.5 W	965

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
515	519.9	4.865	34.932	5.51	0.13	27.638	0.463	1479.	1.4
535	540.2	4.734	34.931	5.59	0.13	27.651	0.473	1478.	1.2
555	560.0	4.702	34.931	5.62	0.13	27.655	0.483	1479.	0.7
575	579.9	4.659	34.931	5.63	0.13	27.660	0.493	1479.	0.8
595	600.0	4.602	34.929	5.67	0.13	27.665	0.502	1479.	1.1
614	619.7	4.556	34.929	5.69	0.13	27.670	0.512	1479.	0.5
634	639.9	4.547	34.928	5.70	0.13	27.670	0.522	1479.	0.5
654	659.9	4.504	34.928	5.69	0.13	27.675	0.531	1479.	0.9
674	680.2	4.467	34.930	5.75	0.13	27.681	0.541	1480.	0.9
693	700.0	4.437	34.931	5.79	0.13	27.684	0.550	1480.	0.9
713	720.1	4.392	34.932	5.80	0.13	27.690	0.560	1480.	1.2
733	739.6	4.367	34.932	5.81	0.13	27.693	0.569	1480.	0.5
753	759.8	4.343	34.932	5.80	0.13	27.696	0.578	1480.	1.0
773	780.0	4.327	34.932	5.85	0.13	27.698	0.588	1481.	0.2
792	799.7	4.318	34.933	5.85	0.13	27.699	0.597	1481.	0.4
812	819.9	4.313	34.933	5.87	0.13	27.700	0.606	1481.	0.5
832	840.0	4.309	34.934	5.84	0.13	27.701	0.616	1482.	0.5
852	860.0	4.282	34.935	5.87	0.13	27.704	0.625	1482.	1.0
871	879.9	4.265	34.935	5.88	0.13	27.707	0.635	1482.	1.0
891	900.0	4.225	34.938	5.87	0.14	27.713	0.644	1482.	0.5
911	920.1	4.213	34.938	5.90	0.14	27.714	0.653	1483.	0.5

STA 8 DAY: 27 TIME: 0133

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	6.0	104.7	8.0
1.9	6.0	107.6	8.0
3.9	6.0	109.5	8.0
4.9	6.0	111.4	8.0
7.8	6.0	113.4	8.0
10.7	6.0	114.3	8.0
12.7	5.9	116.2	8.0
12.7	5.9	118.2	8.1
14.6	5.8	119.1	8.1
15.6	5.8	121.1	8.1
19.5	5.8	122.0	8.1
22.4	5.8	123.0	8.1
25.3	5.8	123.9	8.2
28.2	5.8	124.9	8.2
32.1	5.8	125.9	8.2
36.0	5.7	125.9	8.2
40.9	5.7		
44.7	5.7		
49.6	5.7		
52.5	5.7		
55.4	5.7		
57.3	5.7		
60.2	5.8		
61.2	5.8		
62.2	5.9		
64.1	5.9		
66.0	6.0		
67.0	6.0		
69.0	6.1		
70.9	6.1		
72.8	6.2		
75.7	6.2		
78.6	6.3		
81.5	6.4		
82.5	6.5		
83.5	6.6		
84.4	6.7		
85.4	6.9		
87.3	7.0		
90.2	7.2		
91.2	7.3		
93.1	7.4		
93.1	7.5		
94.1	7.6		
96.0	7.6		
97.0	7.7		
98.9	7.9		
99.9	8.0		
100.8	8.0		
101.8	8.0		

STA 9 DAY: 27 TIME: 0153

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	5.8	72.8	6.8	123.0	9.5
1.0	5.8	72.8	6.8	123.0	9.5
3.9	5.8	75.7	6.9	123.9	9.3
3.9	5.8	75.7	6.9	123.9	9.3
5.8	5.8	81.5	7.1	124.9	9.0
5.8	5.8	81.5	7.1	124.9	9.0
9.7	5.8	84.4	7.1	126.8	8.9
9.7	5.8	84.4	7.1	126.8	8.9
12.7	5.8	88.3	7.1	127.8	8.8
12.7	5.8	88.3	7.1	127.8	8.8
15.6	5.8	91.2	7.0	130.7	8.7
15.6	5.8	91.2	7.0	130.7	8.7
18.5	5.8	95.0	7.1	132.6	8.7
18.5	5.8	95.0	7.1	132.6	8.7
23.4	5.8	98.9	7.1	135.5	8.6
23.4	5.8	98.9	7.1	135.5	8.6
26.3	5.8	99.9	7.3	137.4	8.6
26.3	5.8	99.9	7.3	137.4	8.6
30.2	5.8	100.8	7.5		
30.2	5.8	100.8	7.5		
33.1	5.8	102.8	7.7		
33.1	5.8	102.8	7.7		
37.9	5.8	103.7	7.9		
37.9	5.8	103.7	7.9		
40.9	5.8	104.7	8.2		
40.9	5.8	104.7	8.2		
44.7	5.8	105.6	8.4		
44.7	5.8	105.6	8.4		
48.6	5.8	105.6	8.7		
48.6	5.8	105.6	8.7		
51.5	5.8	107.6	8.9		
51.5	5.8	107.6	8.9		
55.4	5.8	108.5	9.2		
55.4	5.8	108.5	9.2		
58.3	5.8	109.5	9.4		
58.3	5.8	109.5	9.4		
63.1	5.8	110.5	9.5		
63.1	5.8	110.5	9.5		
66.0	5.9	112.4	9.7		
66.0	5.9	112.4	9.7		
67.0	6.0	114.3	9.8		
67.0	6.0	114.3	9.8		
68.0	6.2	116.2	9.9		
68.0	6.2	116.2	9.9		
69.0	6.5	118.2	9.9		
69.0	6.5	118.2	9.9		
69.0	6.6	121.1	9.9		
69.0	6.6	121.1	9.9		
70.9	6.8	122.0	9.8		
70.9	6.8	122.0	9.8		

STA 10 DAY: 27 TIME: 0221

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	5.9	104.7	9.0
2.9	5.9	108.5	9.0
4.9	5.9	112.4	9.0
7.8	6.0	116.2	9.0
10.7	5.9	117.2	8.9
13.6	6.0	120.1	8.9
15.6	6.1	122.0	8.9
17.5	6.2	124.9	8.9
22.4	6.2	125.9	8.9
24.3	6.3	126.8	8.8
27.3	6.4	129.7	8.8
30.2	6.5	131.6	8.8
33.1	6.5	133.5	8.7
37.0	6.5	136.4	8.7
38.9	6.5	138.3	8.7
41.8	6.5	140.3	8.7
43.8	6.5	142.2	8.7
44.7	6.6	145.1	8.7
45.7	6.7	147.0	8.7
45.7	6.9	147.9	8.7
47.6	7.1		
48.6	7.1		
49.6	7.2		
51.5	7.3		
53.5	7.2		
54.4	7.3		
54.4	7.4		
55.4	7.5		
56.4	7.6		
58.3	7.5		
61.2	7.6		
63.1	7.6		
66.0	7.6		
68.0	7.7		
69.0	7.8		
69.9	7.9		
71.9	7.9		
72.8	8.0		
74.8	8.0		
76.7	8.1		
76.7	8.3		
81.5	8.4		
80.6	8.6		
81.5	8.8		
83.5	8.9		
85.4	9.0		
88.3	9.0		
91.2	9.0		
96.0	9.0		
99.9	9.0		

STA 11 DAY: 27 TIME: 0245

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	6.0	82.5	9.3	159.4	10.1
1.9	6.1	83.5	9.4	161.4	10.1
2.9	6.1	85.4	9.6	163.3	10.1
3.9	6.3	86.4	9.7	165.2	10.2
4.9	6.5	87.3	9.9	168.1	10.2
5.8	6.7	87.3	10.0	170.9	10.2
6.8	6.9	89.2	10.0	172.9	10.2
8.8	7.1	90.2	10.2	173.8	10.1
9.7	7.3	92.1	10.3	175.7	10.1
10.7	7.3	92.1	10.5	178.6	10.0
11.7	7.4	94.1	10.7	181.5	10.0
12.7	7.4	95.0	11.0	183.4	9.9
13.6	7.3	96.0	11.2	184.3	9.9
14.6	7.3	96.0	11.4	186.2	9.9
16.6	7.2	97.9	11.6	187.2	10.0
18.5	7.1	98.9	11.8	189.1	10.0
19.5	7.0	99.9	11.9	191.0	9.9
21.4	6.9	101.8	12.0	192.9	9.9
23.4	6.9	102.8	12.2	193.9	9.8
27.3	6.9	102.8	12.4	195.8	9.5
29.2	6.9	103.7	12.6	198.6	9.4
31.1	6.9	105.6	12.7	199.6	9.3
32.1	7.0	107.6	12.7	201.5	9.3
32.1	7.1	109.5	12.6	204.4	9.2
33.1	7.1	112.4	12.5	206.3	9.1
36.0	7.1	114.3	12.5	208.2	9.0
38.9	7.1	116.2	12.4	212.0	8.9
43.8	7.2	119.1	12.4	213.9	8.8
46.7	7.1	121.1	12.4	215.8	8.8
52.5	7.2	123.9	12.4	217.7	8.7
53.5	7.1	126.8	12.3	219.6	8.6
56.4	7.2	128.7	12.3	220.5	8.3
58.3	7.3	129.7	12.2	223.4	8.2
59.3	7.5	131.6	12.1	226.3	8.2
60.2	7.7	132.6	11.9	229.1	8.1
61.2	7.9	133.5	11.8	232.9	8.1
62.2	8.1	134.5	11.7	235.8	8.1
64.1	8.2	135.5	11.5	238.6	8.1
66.0	8.2	137.4	11.3	240.5	8.1
68.0	8.3	138.3	11.2	242.4	8.1
69.0	8.4	139.3	11.1		
69.0	8.5	139.3	10.8		
70.9	8.7	140.3	10.7		
71.9	8.9	142.2	10.5		
71.9	8.9	144.1	10.4		
74.8	9.0	147.0	10.3		
75.7	9.0	149.9	10.2		
77.7	9.0	151.8	10.1		
79.6	9.1	153.7	10.1		
81.5	9.2	157.5	10.1		

STA 12 DAY: 27 TIME: 0259

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	6.4	68.0	13.6	184.3	10.6	294.4	6.5	422.7	5.0
1.9	6.4	69.9	13.8	188.1	10.5	297.3	6.4	424.6	4.9
2.9	6.4	71.9	14.0	189.1	10.5	298.2	6.4	427.4	4.9
4.9	6.4	71.9	14.1	190.1	10.3	301.0	6.3	430.2	4.9
3.9	6.6	72.8	13.8	192.0	10.2	303.9	6.2	433.0	4.9
3.9	6.8	72.8	13.5	194.8	10.1	304.8	6.2	434.8	4.9
4.9	6.9	73.8	13.2	195.8	10.1	306.7	6.1	436.7	4.9
5.8	7.1	74.8	13.1	196.7	10.0	307.6	6.1	440.4	4.9
6.8	7.1	74.8	12.9	199.6	10.0	309.5	6.1	442.2	4.9
8.8	7.2	75.7	12.6	201.5	10.0	313.3	6.1	445.9	4.9
9.7	7.3	76.7	12.3	203.4	10.0	315.2	6.0	450.6	4.9
10.7	7.4	77.7	12.0	204.4	10.0	318.0	6.0	453.3	4.9
10.7	7.9	78.6	11.7	207.2	10.1	320.8	5.9	456.1	4.8
11.7	7.2	80.6	11.5	209.1	10.0	323.6	5.9	458.9	4.9
11.7	6.9	82.5	11.4	212.0	10.0	325.5	5.9		
12.7	6.7	85.4	11.3	215.8	9.9	329.3	5.9		
14.6	6.6	86.4	11.1	218.6	9.7	333.0	5.8		
16.6	6.5	89.2	11.1	221.5	9.6	335.9	5.8		
18.5	6.4	92.1	11.1	223.4	9.3	337.7	5.8		
20.4	6.2	94.1	11.1	224.4	9.2	340.5	5.8		
22.4	6.2	96.0	11.1	226.3	9.1	345.2	5.8		
26.3	6.4	97.9	11.3	228.2	8.8	347.1	5.8		
30.2	6.5	100.8	11.3	231.0	8.8	349.9	5.7		
33.1	6.6	103.7	11.4	232.9	8.6	353.7	5.7		
35.0	6.7	106.6	11.4	234.8	8.4	355.6	5.7		
37.9	6.8	108.5	11.5	235.8	8.3	357.4	5.6		
41.8	6.6	110.5	11.5	239.6	8.2	359.3	5.6		
44.7	6.6	112.4	11.6	242.4	8.2	362.1	5.5		
46.7	6.8	115.3	11.6	245.2	8.1	364.0	5.4		
49.6	6.9	118.2	11.7	246.2	8.0	365.8	5.4		
53.5	6.9	121.1	11.7	248.1	7.9	369.6	5.3		
54.4	7.2	124.9	11.7	251.9	7.9	373.3	5.3		
55.4	7.5	126.8	11.7	252.8	7.7	376.1	5.3		
57.3	7.9	130.7	11.7	256.6	7.6	378.0	5.3		
57.3	8.4	136.4	11.6	258.5	7.5	381.7	5.3		
57.3	8.9	141.2	11.6	260.4	7.4	382.7	5.3		
58.3	9.3	145.1	11.6	262.3	7.4	385.5	5.3		
59.3	9.8	149.9	11.5	263.3	7.3	389.2	5.3		
59.3	10.3	151.8	11.4	266.1	7.3	391.1	5.3		
60.2	10.7	155.6	11.4	267.0	7.1	392.9	5.3		
60.2	11.1	158.5	11.3	268.9	6.9	393.9	5.3		
61.2	11.6	161.4	11.3	271.8	6.9	397.6	5.2		
61.2	12.0	165.2	11.3	275.6	6.8	400.4	5.2		
62.2	12.4	169.0	11.2	278.4	6.8	402.3	5.1		
62.2	12.8	170.9	11.1	281.2	6.8	406.0	5.1		
63.1	13.0	173.8	11.0	284.1	6.7	409.7	5.0		
64.1	13.1	176.7	10.9	285.9	6.7	412.5	5.0		
65.1	13.2	178.6	10.8	287.8	6.7	414.4	5.0		
67.0	13.4	181.5	10.8	290.7	6.7	418.1	5.0		
66.0	13.4	181.5	10.7	292.6	6.6	419.9	5.0		

STA 14 DAY: 27 TIME: 0426

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	7.3	37.9	10.3	55.4	12.0	86.4	11.5	142.2	12.1
1.0	7.3	38.9	10.4	55.4	12.1	87.3	11.5	144.1	12.1
3.9	7.3	38.9	10.4	55.4	12.2	88.3	11.4	145.1	12.1
5.8	7.3	38.9	10.5	56.4	12.3	89.2	11.4	146.0	12.1
8.8	7.3	39.9	10.6	56.4	12.3	90.2	11.5	147.9	12.1
10.7	7.3	39.9	10.6	57.3	12.3	91.2	11.6	148.9	12.1
12.7	7.3	39.9	10.7	58.3	12.2	91.2	11.7	150.8	12.1
14.6	7.4	40.9	10.8	58.3	12.1	92.1	11.7	151.8	12.1
15.6	7.4	40.9	10.8	58.3	12.0	93.1	11.8	153.7	12.0
16.6	7.4	40.9	10.9	58.3	11.9	93.1	11.9	155.6	12.0
18.5	7.4	41.8	11.0	59.3	11.7	94.1	11.9	156.6	12.0
18.5	7.4	42.8	11.0	59.3	11.6	95.0	12.0	158.5	11.9
19.5	7.4	42.8	11.0	59.3	11.5	96.0	12.1	159.4	11.9
21.4	7.5	43.8	11.0	60.2	11.3	97.0	12.2	160.4	11.8
21.4	7.5	43.8	10.9	60.2	11.2	97.9	12.3	161.4	11.8
22.4	7.6	44.7	10.9	61.2	11.1	98.9	12.3	162.3	11.7
24.3	7.6	44.7	10.9	61.2	11.0	98.9	12.4	164.2	11.7
25.3	7.7	45.7	11.0	62.2	10.8	99.9	12.4	166.2	11.7
25.3	7.8	46.7	11.0	62.2	10.8	100.8	12.5	167.1	11.6
26.3	7.9	46.7	11.2	62.2	10.7	101.8	12.5	168.1	11.6
26.3	7.9	46.7	11.3	63.1	10.6	102.8	12.6	170.0	11.5
26.3	8.0	47.6	11.4	64.1	10.6	103.7	12.7	170.9	11.5
26.3	8.1	47.6	11.5	65.1	10.6	104.7	12.7	172.9	11.5
27.3	8.2	47.6	11.6	65.1	10.7	106.6	12.7	174.8	11.5
27.3	8.4	47.6	11.7	66.0	10.8	108.5	12.7	175.7	11.4
28.2	8.4	48.6	11.8	66.0	11.0	110.5	12.7	177.6	11.4
28.2	8.5	48.6	11.8	67.0	11.0	111.4	12.7	180.5	11.3
28.2	8.6	48.6	11.9	68.0	11.0	113.4	12.7	181.5	11.3
29.2	8.7	48.6	12.0	68.0	10.9	115.3	12.7	183.4	11.2
29.2	8.8	49.6	12.2	69.9	10.9	117.2	12.7	183.4	11.1
29.2	8.8	49.6	12.3	71.9	10.9	118.2	12.7	183.4	11.0
30.2	8.9	49.6	12.5	72.8	10.9	119.1	12.7	183.4	10.8
30.2	8.9	49.6	12.6	73.8	11.0	120.1	12.6	184.3	10.8
30.2	9.0	49.6	12.7	75.7	11.0	121.1	12.6	186.2	10.7
30.2	9.1	50.6	12.8	76.7	11.0	122.0	12.5	187.2	10.6
31.1	9.2	50.6	12.8	77.7	11.1	123.0	12.5	188.1	10.5
31.1	9.3	50.6	12.9	79.6	11.1	124.9	12.4	189.1	10.5
31.1	9.4	51.5	12.8	79.6	11.1	124.9	12.4	191.0	10.5
31.1	9.5	51.5	12.7	80.6	11.2	125.9	12.4	192.9	10.4
32.1	9.6	52.5	12.6	81.5	11.3	125.9	12.3	194.8	10.4
32.1	9.6	52.5	12.5	81.5	11.4	126.8	12.3	197.7	10.4
33.1	9.7	52.5	12.4	82.5	11.5	128.7	12.3	199.6	10.4
33.1	9.8	52.5	12.3	82.5	11.6	129.7	12.2	201.5	10.5
34.1	9.9	52.5	12.2	82.5	11.7	130.7	12.2	205.3	10.4
34.1	9.9	53.5	12.0	82.5	11.7	132.6	12.1	206.3	10.4
35.0	10.0	53.5	12.0	83.5	11.7	134.5	12.1	208.2	10.4
36.0	10.0	53.5	11.9	84.4	11.7	136.4	12.1	209.1	10.4
37.0	10.1	54.4	11.9	84.4	11.6	137.4	12.1	211.0	10.4
37.0	10.2	54.4	11.9	85.4	11.5	138.3	12.1	212.9	10.3
37.9	10.2	55.4	11.9	86.4	11.5	140.3	12.1	214.8	10.3

STA 14 DAY: 27 TIME: 0426

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
216.7	10.3	278.4	8.1	364.0	6.9	463.5	5.7	564.7	4.8
217.7	10.3	280.3	8.1	366.8	6.9	465.4	5.7	568.3	4.8
218.6	10.2	280.3	8.0	368.7	6.8	467.2	5.7	572.0	4.8
219.6	10.1	281.2	8.0	371.5	6.8	469.1	5.6	573.8	4.8
220.5	10.1	282.2	7.9	373.3	6.8	471.8	5.6	576.5	4.8
221.5	10.0	283.1	7.9	375.2	6.8	473.7	5.6	579.3	4.8
222.4	10.0	284.1	7.8	377.1	6.7	475.5	5.5	581.1	4.8
222.4	10.0	285.9	7.8	379.9	6.7	477.4	5.6	582.0	4.8
224.4	10.0	287.8	7.8	382.7	6.7	480.2	5.5	584.7	4.8
226.3	9.9	289.7	7.8	385.5	6.7	481.1	5.5	586.5	4.8
227.2	9.9	290.7	7.8	387.3	6.7	482.9	5.5	589.3	4.8
228.2	9.8	291.6	7.7	390.1	6.7	484.8	5.5	592.9	4.9
229.1	9.8	292.6	7.6	392.0	6.7	486.6	5.4	593.8	4.8
230.1	9.8	295.4	7.6	393.9	6.7	488.5	5.4	597.5	4.8
231.0	9.7	298.2	7.6	394.8	6.7	490.3	5.4	600.2	4.8
232.9	9.6	301.0	7.6	395.7	6.6	492.2	5.3	602.9	4.8
234.8	9.5	302.9	7.6	396.7	6.6	493.1	5.3	605.7	4.8
235.8	9.5	304.8	7.6	397.6	6.6	494.9	5.3	608.4	4.9
239.6	9.4	307.6	7.6	400.4	6.5	497.7	5.3	611.1	4.9
240.5	9.4	307.6	7.5	402.3	6.5	500.4	5.3	613.8	4.9
241.5	9.3	310.5	7.5	404.1	6.5	502.3	5.3	616.6	4.9
241.5	9.2	312.4	7.4	406.9	6.5	505.0	5.2	619.3	4.9
243.4	9.2	313.3	7.3	408.8	6.4	507.8	5.2	621.1	4.9
243.4	9.1	314.2	7.2	409.7	6.4	508.7	5.2	622.9	4.9
244.3	9.0	314.2	7.2	411.6	6.4	509.6	5.1	625.6	4.9
245.2	8.9	315.2	7.1	413.4	6.4	511.5	5.1	627.5	4.9
246.2	8.9	316.1	7.1	415.3	6.4	513.3	5.1	628.4	4.9
246.2	8.8	318.0	7.1	417.2	6.3	515.2	5.0	630.2	4.8
248.1	8.8	319.9	7.1	418.1	6.2	517.9	5.0	632.9	4.8
249.0	8.8	321.8	7.1	419.9	6.2	519.8	5.0	636.5	4.8
250.9	8.8	324.6	7.1	422.7	6.2	521.6	5.0	638.3	4.9
251.9	8.7	326.5	7.1	425.5	6.2	522.5	5.0	640.1	4.9
252.8	8.7	327.4	7.1	427.4	6.2	524.4	4.9	641.9	4.8
254.7	8.7	328.3	7.2	429.2	6.2	525.3	4.9	642.8	4.8
256.6	8.7	331.2	7.2	431.1	6.2	528.0	4.9	644.7	4.7
257.6	8.6	332.1	7.2	433.0	6.2	530.8	4.9	646.5	4.7
258.5	8.5	334.0	7.2	434.8	6.1	532.6	4.9	650.1	4.7
260.4	8.5	335.9	7.2	436.7	6.1	535.4	4.9	652.8	4.7
262.3	8.5	337.7	7.3	438.5	6.0	537.2	4.9	655.5	4.7
263.3	8.5	340.5	7.2	440.4	6.0	539.9	4.9	658.2	4.7
264.2	8.4	342.4	7.2	442.2	6.0	541.8	4.9	660.0	4.7
265.1	8.3	343.4	7.2	444.1	5.9	543.6	4.8	662.7	4.7
265.1	8.3	347.1	7.1	445.0	5.9	545.4	4.8	666.3	4.7
267.0	8.2	349.9	7.1	447.8	5.9	547.3	4.8	670.0	4.7
268.9	8.2	351.8	7.1	450.6	5.9	549.1	4.8	670.9	4.7
268.9	8.2	353.7	7.1	453.3	5.8	551.8	4.8	675.4	4.7
271.8	8.2	355.6	7.1	455.2	5.8	554.6	4.8	678.1	4.7
273.7	8.2	357.4	7.0	458.0	5.8	557.3	4.8	679.9	4.7
275.6	8.1	360.2	6.9	460.8	5.8	560.1	4.8	682.6	4.7
277.4	8.1	362.1	6.9	462.6	5.7	561.9	4.8	684.4	4.7

STA 14 DAY: 27 TIME: 0426

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
687.1	4.7								
688.9	4.7								
690.7	4.6								
692.5	4.6								
694.3	4.6								
695.2	4.6								
697.9	4.6								
700.6	4.6								
701.5	4.6								
702.3	4.5								
704.1	4.4								
706.8	4.4								
708.6	4.4								
710.4	4.3								
713.1	4.3								
714.9	4.4								
716.7	4.4								
718.5	4.4								
721.2	4.4								
722.1	4.4								
724.8	4.4								
727.5	4.4								
728.4	4.4								
731.9	4.4								
734.6	4.4								
736.4	4.4								
738.2	4.4								
740.0	4.4								
742.7	4.5								
744.4	4.5								
747.1	4.5								
748.0	4.5								
750.7	4.5								
754.3	4.4								
755.2	4.4								
757.8	4.4								
759.6	4.4								
761.4	4.4								
761.4	4.3								

STA 16 DAY: 27 TIME: 0457

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	7.9	22.4	12.2	44.7	15.4	59.3	10.0	107.6	12.2
0.0	7.8	22.4	12.3	45.7	15.3	60.2	10.1	108.5	12.2
1.9	7.8	23.4	12.4	45.7	15.1	61.2	10.1	110.5	12.2
2.9	7.8	23.4	12.5	45.7	15.0	61.2	10.2	110.5	12.1
4.9	7.8	24.3	12.7	45.7	14.8	63.1	10.2	111.4	12.1
5.8	7.8	24.3	12.8	45.7	14.6	64.1	10.2	112.4	12.0
6.8	7.8	24.3	12.9	45.7	14.4	67.0	10.2	113.4	12.0
7.8	7.9	24.3	13.1	45.7	14.2	68.0	10.2	115.3	12.0
8.8	8.0	25.3	13.2	45.7	14.0	69.0	10.3	116.2	12.1
8.8	8.2	25.3	13.4	45.7	13.9	69.0	10.4	117.2	12.1
8.8	8.4	25.3	13.6	45.7	13.8	69.9	10.5	119.1	12.1
8.8	8.5	24.3	13.7	45.7	13.7	69.9	10.6	122.0	12.1
8.8	8.7	25.3	13.8	45.7	13.5	70.9	10.7	123.0	12.1
8.8	8.9	25.3	13.9	45.7	13.3	71.9	10.7	124.9	12.1
9.7	9.0	26.3	13.9	46.7	13.1	71.9	10.8	125.9	12.1
9.7	9.0	27.3	13.9	46.7	13.0	72.8	11.0	128.7	12.0
10.7	9.0	29.2	13.9	46.7	12.8	73.8	11.0	129.7	12.0
11.7	8.9	29.2	14.1	46.7	12.7	73.8	11.1	131.6	12.0
11.7	8.9	30.2	14.3	46.7	12.6	74.8	11.2	134.5	12.0
11.7	8.8	29.2	14.4	46.7	12.4	75.7	11.3	136.4	11.9
12.7	8.9	30.2	14.6	47.6	12.3	76.7	11.2	138.3	11.9
13.6	9.0	30.2	14.7	46.7	12.1	77.7	11.2	141.2	11.9
13.6	9.1	30.2	14.9	46.7	12.0	78.6	11.1	143.1	11.9
14.6	9.1	31.1	15.0	47.6	11.9	79.6	11.2	145.1	11.9
15.6	9.2	31.1	15.2	47.6	11.7	79.6	11.2	147.0	11.9
15.6	9.3	31.1	15.3	46.7	11.5	80.6	11.3	147.9	11.8
15.6	9.4	31.1	15.5	46.7	11.4	81.5	11.3	149.9	11.8
16.6	9.5	32.1	15.6	47.6	11.3	82.5	11.4	151.8	11.7
16.6	9.7	32.1	15.7	47.6	11.2	83.5	11.4	152.7	11.7
17.5	9.9	33.1	15.7	47.6	11.0	84.4	11.5	154.7	11.6
17.5	10.0	34.1	15.8	48.6	11.0	84.4	11.5	156.6	11.5
17.5	10.1	35.0	15.9	49.6	11.0	85.4	11.5	157.5	11.5
18.5	10.2	36.0	16.1	50.6	10.9	86.4	11.6	158.5	11.4
18.5	10.3	37.0	16.1	50.6	10.7	86.4	11.7	160.4	11.3
18.5	10.4	37.0	16.1	50.6	10.6	87.3	11.8	163.3	11.3
18.5	10.5	38.9	16.1	50.6	10.5	89.2	11.8	165.2	11.3
18.5	10.7	38.9	16.0	51.5	10.4	90.2	11.8	167.1	11.3
19.5	10.8	39.9	16.0	52.5	10.3	91.2	11.9	170.0	11.3
19.5	11.0	39.9	15.9	52.5	10.2	93.1	11.9	172.9	11.3
19.5	11.1	40.9	15.9	52.5	10.1	95.0	11.9	173.8	11.3
19.5	11.2	41.8	15.9	53.5	10.1	96.0	12.0	175.7	11.3
19.5	11.3	42.8	16.1	55.4	10.0	97.0	12.1	176.7	11.2
19.5	11.5	43.8	16.2	55.4	10.0	97.0	12.2	178.6	11.2
19.5	11.6	43.8	16.3	55.4	9.9	97.9	12.2	180.5	11.2
19.5	11.7	44.7	16.1	56.4	9.8	98.9	12.3	182.4	11.1
19.5	11.8	43.8	16.1	56.4	9.7	99.9	12.3	183.4	11.2
20.4	11.9	44.7	16.0	57.3	9.7	100.8	12.2	183.4	11.1
20.4	11.9	44.7	15.9	58.3	9.7	101.8	12.2	186.2	11.1
21.4	12.0	44.7	15.7	58.3	9.8	104.7	12.2	188.1	11.1
21.4	12.1	44.7	15.6	59.3	9.9	105.6	12.2	190.1	11.1

STA 16 DAY: 27 TIME: 0457

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
191.0	11.0	249.0	8.9	319.9	7.8	389.2	6.5	497.7	5.7
191.0	10.9	250.0	8.9	321.8	7.7	391.1	6.4	499.5	5.7
192.0	10.8	251.9	8.8	322.7	7.6	392.9	6.4	501.4	5.7
192.9	10.8	252.8	8.8	323.6	7.6	393.9	6.4	503.2	5.7
193.9	10.7	252.8	8.7	324.6	7.6	394.8	6.5	506.0	5.6
194.8	10.7	253.8	8.5	326.5	7.4	396.7	6.5	508.7	5.6
196.7	10.6	253.8	8.5	327.4	7.4	397.6	6.5	510.6	5.6
198.6	10.6	255.7	8.4	328.3	7.4	398.5	6.5	513.3	5.6
199.6	10.5	256.6	8.4	329.3	7.3	400.4	6.5	514.2	5.5
199.6	10.5	257.6	8.4	330.2	7.3	402.3	6.4	517.0	5.5
200.5	10.4	259.5	8.4	331.2	7.3	403.2	6.4	518.8	5.5
200.5	10.3	261.4	8.3	333.0	7.2	406.0	6.4	520.7	5.5
201.5	10.2	262.3	8.3	334.0	7.3	406.9	6.4	523.4	5.5
203.4	10.2	264.2	8.3	334.9	7.3	409.7	6.3	525.3	5.5
205.3	10.2	266.1	8.3	335.9	7.3	412.5	6.3	527.1	5.5
206.3	10.2	267.0	8.3	336.8	7.4	413.4	6.3	528.9	5.4
206.3	10.1	269.9	8.2	336.8	7.4	415.3	6.3	531.7	5.4
207.2	10.0	270.8	8.2	338.7	7.5	415.3	6.2	533.5	5.4
207.2	10.0	272.7	8.2	339.6	7.5	416.2	6.2	537.2	5.4
208.2	9.9	274.6	8.2	341.5	7.5	419.9	6.2	539.0	5.4
209.1	9.9	276.5	8.2	343.4	7.5	421.8	6.1	539.9	5.4
211.0	9.8	277.4	8.2	344.3	7.4	423.7	6.1	541.8	5.4
211.0	9.8	280.3	8.2	345.2	7.4	427.4	6.1	543.6	5.4
212.9	9.7	282.2	8.2	345.2	7.3	430.2	6.1	544.5	5.4
214.8	9.7	283.1	8.2	347.1	7.3	433.0	6.1	546.4	5.4
216.7	9.7	284.1	8.3	349.0	7.3	435.7	6.1	548.2	5.3
219.6	9.7	285.9	8.3	350.9	7.2	438.5	6.1	550.9	5.3
220.5	9.7	287.8	8.3	352.7	7.2	439.4	6.1	551.8	5.3
223.4	9.7	289.7	8.4	355.6	7.2	443.2	6.1	554.6	5.3
224.4	9.6	291.6	8.4	356.5	7.2	447.8	6.1	556.4	5.3
226.3	9.5	292.6	8.4	357.4	7.2	449.6	6.1	559.2	5.3
228.2	9.5	294.4	8.4	357.4	7.1	452.4	6.1	561.9	5.3
230.1	9.5	295.4	8.4	359.3	7.0	454.3	6.0	564.7	5.2
232.0	9.5	297.3	8.4	360.2	7.0	455.2	6.0	567.4	5.3
232.9	9.4	299.2	8.4	363.0	7.0	458.0	5.9	569.2	5.3
232.9	9.4	301.0	8.4	364.0	6.9	459.8	5.9	571.0	5.3
233.9	9.3	303.9	8.4	366.8	6.9	461.7	5.8	572.9	5.2
235.8	9.3	305.8	8.4	367.7	6.8	462.6	5.8	574.7	5.2
237.7	9.3	306.7	8.4	368.7	6.8	464.5	5.8	576.5	5.2
238.6	9.3	306.7	8.3	370.5	6.7	467.2	5.8	579.3	5.2
239.6	9.2	309.5	8.2	372.4	6.7	470.0	5.8	582.0	5.2
239.6	9.2	311.4	8.2	373.3	6.6	472.8	5.8	583.8	5.2
240.5	9.1	313.3	8.2	375.2	6.6	476.5	5.8	585.6	5.2
241.5	9.0	314.2	8.2	377.1	6.6	479.2	5.8	588.4	5.2
242.4	9.0	315.2	8.1	378.0	6.6	482.9	5.8	590.2	5.2
243.4	9.0	316.1	8.1	378.9	6.5	485.7	5.8	592.9	5.2
245.2	9.0	317.1	8.1	381.7	6.5	487.5	5.8	595.7	5.2
247.1	9.0	317.1	8.0	383.6	6.5	488.5	5.8	597.5	5.2
248.1	9.0	318.0	7.9	385.5	6.5	491.2	5.7	598.4	5.1
249.0	8.9	318.9	7.8	388.3	6.5	494.0	5.7	600.2	5.0

STA 16 DAY: 27 TIME: 0457

DEPTH (m)	TEMP (°C)
602.9	5.0
604.8	5.0
607.5	5.0
611.1	5.0
614.7	5.0
617.5	5.0
619.3	5.0
622.9	5.0
625.6	5.0
630.2	5.0
633.8	5.0
637.4	5.0
640.1	5.0
642.8	5.0
646.5	5.0
650.1	5.0
653.7	5.0
657.3	5.0
659.1	5.0
660.9	4.9
664.5	4.9
665.4	5.0
666.3	4.9
669.0	4.9
670.9	4.9
672.7	4.9
675.4	4.9
678.1	4.8
679.0	4.8
680.8	4.8
681.7	4.8
683.5	4.8

STA 17 DAY: 29 TIME: 0530

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	7.8	52.5	9.0	99.9	11.3	166.2	10.6	229.1	8.8
1.0	7.6	53.5	9.1	101.8	11.3	167.1	10.5	231.0	8.7
1.0	7.5	54.4	9.2	102.8	11.3	167.1	10.4	232.9	8.6
1.9	7.4	54.4	9.3	104.7	11.4	167.1	10.3	233.9	8.5
2.9	7.5	55.4	9.4	105.6	11.4	168.1	10.2	233.9	8.4
3.9	7.4	56.4	9.5	106.6	11.5	168.1	10.1	235.8	8.4
4.9	7.5	57.3	9.6	107.6	11.5	170.9	10.1	236.7	8.4
6.8	7.5	57.3	9.5	108.5	11.5	171.9	10.0	239.6	8.3
8.8	7.5	58.3	9.4	110.5	11.6	171.9	10.0	242.4	8.3
10.7	7.5	59.3	9.4	111.4	11.5	172.9	9.9	243.4	8.3
12.7	7.5	59.3	9.3	113.4	11.5	173.8	9.8	245.2	8.3
13.6	7.5	60.2	9.2	115.3	11.5	174.8	9.8	247.1	8.3
14.6	7.6	61.2	9.3	116.2	11.5	175.7	9.8	250.0	8.3
14.6	7.7	62.2	9.3	118.2	11.5	177.6	9.8	250.9	8.3
15.6	7.8	63.1	9.4	119.1	11.4	178.6	9.7	252.8	8.3
15.6	7.9	64.1	9.4	120.1	11.4	179.5	9.6	254.7	8.3
16.6	8.0	65.1	9.4	121.1	11.3	180.5	9.5	256.6	8.3
16.6	8.1	67.0	9.4	123.9	11.3	182.4	9.5	258.5	8.4
17.5	8.2	68.0	9.5	126.8	11.3	183.4	9.5	259.5	8.4
17.5	8.3	69.0	9.7	126.8	11.3	184.3	9.4	260.4	8.3
18.5	8.4	69.9	9.8	128.7	11.3	186.2	9.4	262.3	8.4
18.5	8.4	69.9	9.9	129.7	11.3	188.1	9.4	265.1	8.3
19.5	8.4	70.9	10.0	131.6	11.2	189.1	9.4	267.0	8.4
21.4	8.4	71.9	10.0	132.6	11.2	191.0	9.4	269.9	8.3
22.4	8.4	72.8	10.1	134.5	11.2	192.9	9.4	272.7	8.3
25.3	8.4	73.8	10.1	136.4	11.2	193.9	9.4	274.6	8.3
26.3	8.4	75.7	10.1	138.3	11.2	195.8	9.4	275.6	8.3
28.2	8.4	76.7	10.2	138.3	11.3	196.7	9.4	276.5	8.3
30.2	8.4	77.7	10.3	140.3	11.3	197.7	9.4	277.4	8.3
31.1	8.4	78.6	10.4	141.2	11.4	198.6	9.5	279.3	8.2
33.1	8.4	78.6	10.4	142.2	11.4	199.6	9.5	279.3	8.1
35.0	8.3	79.6	10.5	143.1	11.5	201.5	9.5	281.2	8.1
36.0	8.3	79.6	10.6	145.1	11.5	202.5	9.5	282.2	8.0
36.0	8.2	80.6	10.7	147.0	11.5	204.4	9.5	284.1	8.0
37.0	8.1	81.5	10.8	147.9	11.4	205.3	9.5	285.0	8.0
38.9	8.1	83.5	11.0	149.9	11.4	207.2	9.5	285.9	7.9
40.9	8.1	84.4	11.1	150.8	11.4	209.1	9.5	286.9	7.8
41.8	8.1	85.4	11.1	153.7	11.4	212.0	9.5	286.9	7.7
42.8	8.2	86.4	11.2	154.7	11.4	213.9	9.5	287.8	7.6
44.7	8.2	88.3	11.3	155.6	11.3	215.8	9.4	288.8	7.5
46.7	8.2	89.2	11.4	156.6	11.3	217.7	9.4	290.7	7.5
47.6	8.3	89.2	11.4	157.5	11.3	218.6	9.4	292.6	7.4
48.6	8.3	90.2	11.4	158.5	11.2	219.6	9.3	293.5	7.4
49.6	8.3	91.2	11.4	159.4	11.1	221.5	9.2	293.5	7.4
49.6	8.4	92.1	11.4	160.4	11.1	222.4	9.1	294.4	7.3
49.6	8.5	94.1	11.3	162.3	11.1	223.4	9.1	295.4	7.3
50.6	8.6	95.0	11.4	163.3	10.9	224.4	9.0	296.3	7.2
50.6	8.7	97.0	11.3	164.2	10.8	225.3	8.9	298.2	7.2
51.5	8.9	97.9	11.4	165.2	10.7	227.2	8.9	300.1	7.2
51.5	9.0	98.9	11.4	165.2	10.7	228.2	8.8	301.0	7.2

STA 17 DAY: 29 TIME: 0530

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
302.9	7.2	395.7	6.2	489.4	5.5	614.7	4.9	764.1	4.5
303.9	7.2	397.6	6.2	491.2	5.4	619.3	4.9	766.8	4.4
303.9	7.2	399.5	6.2	494.0	5.5	622.9	4.8		
304.8	7.3	401.3	6.2	497.7	5.5	625.6	4.9		
306.7	7.3	403.2	6.2	499.5	5.5	631.1	4.8		
307.6	7.2	406.0	6.2	502.3	5.5	633.8	4.9		
307.6	7.2	407.8	6.2	505.0	5.4	636.5	4.8		
308.6	7.2	409.7	6.1	507.8	5.4	638.3	4.8		
310.5	7.1	411.6	6.1	508.7	5.4	641.9	4.8		
314.2	7.1	414.4	6.1	512.4	5.4	643.8	4.8		
318.0	7.1	416.2	6.1	515.2	5.4	645.6	4.8		
319.9	7.1	417.2	6.1	517.0	5.3	651.0	4.8		
322.7	7.1	418.1	6.0	517.9	5.3	653.7	4.8		
324.6	7.1	419.9	6.0	520.7	5.3	656.4	4.8		
326.5	7.0	422.7	6.0	523.4	5.3	660.0	4.8		
327.4	6.9	423.7	6.0	525.3	5.3	661.8	4.8		
329.3	6.9	425.5	6.0	528.0	5.3	663.6	4.8		
330.2	6.8	426.5	6.0	530.8	5.3	666.3	4.8		
333.0	6.8	430.2	6.0	534.4	5.3	669.0	4.7		
334.9	6.8	432.0	5.9	536.3	5.3	672.7	4.7		
336.8	6.7	432.0	5.9	538.1	5.2	677.2	4.7		
338.7	6.7	434.8	5.9	539.9	5.2	679.0	4.8		
339.6	6.7	435.7	5.8	541.8	5.1	685.3	4.7		
341.5	6.6	438.5	5.8	545.4	5.1	688.9	4.7		
343.4	6.6	440.4	5.8	547.3	5.1	690.7	4.7		
345.2	6.5	441.3	5.8	550.0	5.1	694.3	4.7		
347.1	6.4	442.2	5.8	552.8	5.1	697.0	4.7		
348.1	6.4	444.1	5.8	557.3	5.1	700.6	4.7		
349.9	6.4	445.9	5.7	559.2	5.1	702.3	4.7		
351.8	6.4	447.8	5.7	561.9	5.1	705.9	4.7		
354.6	6.4	448.7	5.7	564.7	5.1	707.7	4.7		
357.4	6.4	449.6	5.8	567.4	5.1	709.5	4.7		
359.3	6.4	450.6	5.8	570.1	5.1	712.2	4.6		
361.2	6.4	451.5	5.8	572.9	5.1	714.9	4.7		
363.0	6.4	452.4	5.8	575.6	5.0	717.6	4.6		
364.0	6.4	455.2	5.8	579.3	5.1	718.5	4.6		
364.9	6.5	457.1	5.7	581.1	5.1	720.3	4.5		
367.7	6.5	458.0	5.7	584.7	5.1	724.8	4.5		
370.5	6.5	460.8	5.7	585.6	5.0	727.5	4.6		
372.4	6.5	463.5	5.7	587.5	5.0	729.2	4.6		
374.3	6.5	467.2	5.7	589.3	5.0	731.9	4.5		
376.1	6.4	470.0	5.7	591.1	4.9	734.6	4.5		
378.0	6.4	472.8	5.7	592.9	4.9	739.1	4.5		
379.9	6.4	474.6	5.7	594.7	4.9	742.7	4.5		
381.7	6.3	477.4	5.7	596.6	4.9	745.3	4.5		
382.7	6.3	479.2	5.6	599.3	4.9	748.9	4.5		
384.5	6.3	481.1	5.6	602.0	4.9	751.6	4.5		
386.4	6.3	483.9	5.5	603.8	4.9	754.3	4.5		
389.2	6.2	486.6	5.5	605.7	4.9	757.8	4.5		
392.0	6.2	487.5	5.5	610.2	4.9	762.3	4.4		

STA 20 DAY: 27 TIME: 0611

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	7.7	92.1	11.9	237.7	8.6
3.9	7.7	93.1	12.0	239.6	8.6
6.8	7.7	96.0	12.0	241.5	8.7
10.7	7.7	99.9	12.0	245.2	8.7
12.7	7.7	101.8	12.1	247.1	8.6
15.6	7.7	103.7	12.1	250.9	8.5
16.6	7.7	107.6	12.1	254.7	8.5
19.5	7.6	109.5	12.1	257.6	8.5
22.4	7.4	112.4	12.1	262.3	8.5
24.3	7.2	114.3	12.1	265.1	8.4
25.3	6.9	117.2	12.0	268.0	8.4
27.3	6.8	121.1	11.9	269.9	8.3
28.2	6.9	125.9	12.0		
29.2	7.0	129.7	12.1		
31.1	7.0	133.5	12.0		
33.1	7.2	135.5	12.0		
34.1	7.3	136.4	11.9		
36.0	7.4	139.3	11.9		
37.9	7.4	143.1	11.8		
39.9	7.4	146.0	11.8		
40.9	7.6	149.9	11.6		
41.8	7.9	151.8	11.5		
42.8	8.1	155.6	11.4		
42.8	8.3	159.4	11.3		
44.7	8.6	164.2	11.2		
47.6	8.7	168.1	11.2		
50.6	8.7	172.9	11.1		
52.5	8.8	173.8	11.0		
54.4	8.9	177.6	11.0		
56.4	9.1	181.5	11.0		
57.3	9.3	186.2	10.9		
60.2	9.4	189.1	10.9		
61.2	9.5	193.9	10.9		
61.2	9.7	197.7	10.8		
62.2	9.9	203.4	10.8		
62.2	10.1	207.2	10.8		
63.1	10.5	212.0	10.8		
64.1	10.6	215.8	10.6		
65.1	10.8	217.7	10.4		
66.0	11.1	220.5	10.1		
69.0	11.2	220.5	9.9		
70.9	11.3	223.4	9.8		
73.8	11.4	224.4	9.7		
77.7	11.5	225.3	9.3		
80.6	11.5	227.2	9.1		
82.5	11.5	228.2	8.9		
83.5	11.6	229.1	8.7		
85.4	11.7	231.0	8.5		
87.3	11.8	232.9	8.5		
90.2	11.8	235.8	8.5		

STA 21 DAY: 27 TIME: 0625

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	7.3	93.1	11.6	232.9	8.9
2.9	7.3	94.1	11.7	236.7	8.8
5.8	7.3	97.0	11.7	241.5	8.9
8.8	7.3	98.9	11.7	245.2	8.8
10.7	7.4	100.8	11.8	249.0	8.8
13.6	7.4	102.8	11.9	251.9	8.7
16.6	7.5	105.6	11.9	253.8	8.7
19.5	7.5	107.6	11.9		
22.4	7.5	111.4	12.0		
24.3	7.4	114.3	12.0		
27.3	7.2	117.2	12.0		
29.2	7.0	120.1	12.0		
33.1	7.0	123.9	12.0		
37.0	7.1	125.9	12.0		
40.9	7.1	126.8	12.0		
43.8	7.2	129.7	11.9		
44.7	7.3	134.5	11.9		
46.7	7.4	137.4	11.9		
48.6	7.4	141.2	11.8		
51.5	7.6	144.1	11.8		
52.5	7.8	147.0	11.8		
54.4	8.0	151.8	11.7		
55.4	8.3	155.6	11.6		
57.3	8.5	159.4	11.5		
58.3	8.8	163.3	11.5		
59.3	9.0	165.2	11.3		
60.2	9.2	170.0	11.3		
61.2	9.4	174.8	11.2		
62.2	9.6	177.6	11.1		
63.1	9.7	181.5	11.0		
64.1	9.5	185.3	11.0		
65.1	9.5	187.2	10.8		
66.0	9.7	190.1	10.8		
67.0	9.8	192.9	10.7		
67.0	9.9	194.8	10.6		
69.9	9.9	195.8	10.3		
71.9	9.8	197.7	10.2		
74.8	9.8	201.5	10.2		
77.7	9.9	203.4	10.0		
79.6	9.9	206.3	9.9		
81.5	10.1	209.1	9.8		
81.5	10.3	211.0	9.8		
82.5	10.4	212.0	9.7		
83.5	10.6	214.8	9.5		
83.5	10.8	216.7	9.4		
84.4	10.9	219.6	9.3		
85.4	11.1	224.4	9.3		
86.4	11.2	226.3	9.3		
88.3	11.4	227.2	9.1		
90.2	11.6	230.1	9.0		

STA 22 DAY: 27 TIME: 0630

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
		43.8	7.9	82.5	11.5	128.7	11.5	195.8	9.9
		44.7	8.0	83.5	11.6	129.7	11.4	196.7	9.8
		44.7	8.2	84.4	11.7	131.6	11.4	197.7	9.8
		44.7	8.3	84.4	11.8	132.6	11.3	198.6	9.7
		44.7	8.4	85.4	11.7	133.5	11.3	200.5	9.6
		45.7	8.5	86.4	11.7	134.5	11.3	201.5	9.5
		46.7	8.7	86.4	11.6	136.4	11.3	201.5	9.4
		46.7	8.9	87.3	11.6	139.3	11.3	203.4	9.4
		47.6	9.0	88.3	11.6	140.3	11.3	204.4	9.3
		48.6	9.1	88.3	11.7	141.2	11.2	205.3	9.3
		48.6	9.2	88.3	11.7	141.2	11.1	207.2	9.2
0.0	7.1	49.6	9.4	89.2	11.8	142.2	11.1	208.2	9.1
1.9	7.1	50.6	9.4	91.2	11.8	143.1	11.1	209.1	9.1
2.9	7.1	52.5	9.4	92.1	11.8	145.1	11.1	210.1	9.0
3.9	7.1	54.4	9.5	93.1	11.9	147.0	11.1	212.0	9.0
3.9	7.2	55.4	9.5	93.1	12.0	147.9	11.1	213.9	9.0
3.9	7.3	56.4	9.5	94.1	12.1	149.9	11.0	215.8	8.9
3.9	7.4	57.3	9.7	95.0	12.1	150.8	10.9	217.7	8.9
4.9	7.5	58.3	9.8	96.0	12.2	151.8	10.8	219.6	8.9
5.8	7.6	58.3	9.9	97.0	12.1	153.7	10.8	221.5	8.8
5.8	7.6	60.2	10.0	98.9	12.1	155.6	10.8	223.4	8.8
6.8	7.8	60.2	10.1	99.9	12.1	157.5	10.8	226.3	8.8
7.8	7.8	61.2	10.2	101.8	12.1	159.4	10.7	228.2	8.8
9.7	7.8	61.2	10.3	102.8	12.1	160.4	10.7	230.1	8.8
10.7	7.8	62.2	10.5	103.7	12.2	162.3	10.6	232.0	8.8
12.7	7.7	63.1	10.5	105.6	12.2	162.3	10.6	233.9	8.7
15.6	7.6	65.1	10.5	105.6	12.2	163.3	10.5	235.8	8.7
18.5	7.6	65.1	10.6	107.6	12.2	164.2	10.5	236.7	8.6
21.4	7.7	67.0	10.7	107.6	12.2	166.2	10.5	237.7	8.5
23.4	7.6	68.0	10.8	108.5	12.2	168.1	10.5	238.6	8.4
26.3	7.6	68.0	11.0	109.5	12.2	170.0	10.5	240.5	8.3
28.2	7.6	69.0	11.0	110.5	12.1	170.9	10.5	243.4	8.3
31.1	7.6	69.9	11.1	111.4	12.1	173.8	10.5	245.2	8.3
34.1	7.6	70.9	11.1	113.4	12.2	174.8	10.5	247.1	8.4
35.0	7.6	71.9	11.1	114.3	12.1	176.7	10.5	250.0	8.3
36.0	7.5	72.8	11.1	114.3	12.2	177.6	10.5	251.9	8.3
37.0	7.4	73.8	11.1	115.3	12.1	179.5	10.6	254.7	8.3
37.0	7.4	73.8	11.2	116.2	12.1	181.5	10.5	255.7	8.2
37.9	7.3	74.8	11.4	117.2	12.0	182.4	10.5	257.6	8.2
37.9	7.2	74.8	11.5	119.1	11.9	183.4	10.5	259.5	8.2
37.9	7.2	74.8	11.6	120.1	12.0	185.3	10.4	262.3	8.1
37.9	7.1	75.7	11.7	122.0	12.0	186.2	10.3	266.1	8.1
38.9	7.1	76.7	11.7	123.0	12.0	187.2	10.3	268.9	8.1
40.9	7.1	78.6	11.7	123.9	11.9	188.1	10.2	269.9	8.0
41.8	7.2	79.6	11.6	124.9	11.9	190.1	10.1	271.8	8.0
41.8	7.3	79.6	11.6	125.9	11.8	191.0	10.1	273.7	8.0
41.8	7.4	80.6	11.5	125.9	11.7	191.0	10.0	275.6	7.9
42.8	7.5	80.6	11.5	125.9	11.6	192.0	9.9	278.4	7.9
42.8	7.6	82.5	11.4	126.8	11.6	192.9	9.9	279.3	7.9
43.8	7.8	82.5	11.4	127.8	11.5	194.8	9.9	280.3	7.8

STA 22 DAY: 27 TIME: 0630

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
280.3	7.8	391.1	6.0	504.1	4.8	682.6	4.3
282.2	7.7	393.9	6.0	506.9	4.8	687.1	4.3
283.1	7.6	395.7	5.9	509.6	4.8	689.8	4.3
284.1	7.6	397.6	5.9	512.4	4.8	694.3	4.3
286.9	7.6	398.5	5.9	515.2	4.8	697.0	4.3
288.8	7.6	400.4	5.9	520.7	4.7	699.7	4.3
291.6	7.6	404.1	5.9	525.3	4.7	703.2	4.3
294.4	7.5	407.8	6.0	530.8	4.7	706.8	4.3
297.3	7.5	410.6	5.9	534.4	4.7	709.5	4.3
299.2	7.5	412.5	5.9	536.3	4.7	714.9	4.3
302.0	7.4	415.3	5.8	539.9	4.6	718.5	4.3
304.8	7.4	416.2	5.8	544.5	4.6	723.0	4.3
307.6	7.4	416.2	5.7	547.3	4.6	727.5	4.3
311.4	7.4	419.0	5.7	550.0	4.6	731.9	4.2
313.3	7.3	422.7	5.6	552.8	4.6	735.5	4.2
315.2	7.2	425.5	5.6	556.4	4.6	739.1	4.2
318.0	7.2	426.5	5.6	560.1	4.6	743.6	4.2
320.8	7.2	429.2	5.5	564.7	4.6	748.0	4.2
322.7	7.1	432.0	5.6	568.3	4.6	751.6	4.2
325.5	7.1	433.0	5.6	572.0	4.6	756.1	4.2
328.3	7.1	434.8	5.6	574.7	4.6	758.7	4.2
331.2	7.1	436.7	5.6	579.3	4.6	762.3	4.2
333.0	7.1	437.6	5.5	582.0	4.6	764.1	4.2
334.9	7.1	439.4	5.4	586.5	4.6		
336.8	7.0	440.4	5.4	590.2	4.6		
338.7	6.9	442.2	5.4	592.0	4.6		
339.6	6.9	445.9	5.3	595.7	4.6		
340.5	6.8	447.8	5.3	599.3	4.5		
341.5	6.8	449.6	5.3	602.0	4.5		
344.3	6.7	451.5	5.3	605.7	4.5		
347.1	6.7	454.3	5.3	609.3	4.5		
349.0	6.7	456.1	5.2	613.8	4.5		
351.8	6.7	457.1	5.1	619.3	4.5		
353.7	6.7	459.8	5.1	622.9	4.5		
356.5	6.6	462.6	5.0	626.5	4.5		
358.4	6.6	465.4	5.0	629.3	4.4		
362.1	6.6	469.1	5.0	632.0	4.4		
365.8	6.6	470.9	5.0	635.6	4.4		
366.8	6.6	472.8	5.0	639.2	4.4		
368.7	6.5	475.5	5.0	643.8	4.4		
370.5	6.5	478.3	5.0	647.4	4.4		
372.4	6.4	481.1	4.9	651.0	4.3		
373.3	6.4	482.9	4.9	654.6	4.4		
375.2	6.2	484.8	4.9	660.0	4.3		
377.1	6.2	486.6	4.8	664.5	4.3		
378.0	6.2	489.4	4.8	667.2	4.4		
381.7	6.2	491.2	4.8	669.0	4.4		
383.6	6.1	494.0	4.8	672.7	4.4		
386.4	6.0	496.8	4.8	676.3	4.4		
388.3	6.0	500.4	4.8	679.9	4.4		

STA 23 DAY: 27 TIME: 0656

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	6.1	39.9	6.3	78.6	9.9	104.7	10.4	157.5	9.9
1.0	6.1	40.9	6.2	78.6	10.1	105.6	10.3	158.5	9.9
1.9	6.1	42.8	6.2	79.6	10.2	105.6	10.2	159.4	9.9
2.9	6.2	43.8	6.2	79.6	10.3	106.6	10.1	161.4	9.9
2.9	6.2	44.7	6.2	79.6	10.4	106.6	10.0	162.3	9.9
3.9	6.3	45.7	6.3	79.6	10.6	107.6	9.8	163.3	9.9
4.9	6.4	46.7	6.3	79.6	10.7	107.6	9.7	164.2	9.8
4.9	6.5	47.6	6.4	80.6	10.9	107.6	9.5	165.2	9.7
5.8	6.5	49.6	6.4	80.6	11.0	108.5	9.5	166.2	9.7
5.8	6.7	50.6	6.4	80.6	11.1	109.5	9.4	167.1	9.7
5.8	6.9	52.5	6.4	80.6	11.2	110.5	9.4	168.1	9.7
6.8	7.0	53.5	6.4	80.6	11.3	112.4	9.3	169.0	9.6
6.8	7.1	55.4	6.4	81.5	11.4	114.3	9.3	170.9	9.6
7.8	7.1	56.4	6.4	81.5	11.5	116.2	9.3	172.9	9.6
7.8	7.1	57.3	6.5	81.5	11.6	117.2	9.3	174.8	9.6
8.8	7.0	59.3	6.6	82.5	11.7	118.2	9.4	176.7	9.6
9.7	6.9	59.3	6.6	83.5	11.6	119.1	9.4	177.6	9.6
10.7	6.9	60.2	6.7	84.4	11.7	120.1	9.5	179.5	9.6
11.7	6.8	61.2	6.7	84.4	11.8	121.1	9.5	181.5	9.6
11.7	6.8	62.2	6.8	85.4	11.8	123.0	9.5	182.4	9.6
11.7	6.7	63.1	6.8	85.4	11.9	123.9	9.5	184.3	9.6
12.7	6.7	64.1	6.8	86.4	12.0	124.9	9.6	186.2	9.5
13.6	6.7	65.1	6.9	87.3	12.0	124.9	9.7	186.2	9.5
14.6	6.6	66.0	6.9	89.2	12.0	127.8	9.7	188.1	9.5
14.6	6.6	68.0	6.9	91.2	12.0	128.7	9.7	190.1	9.4
15.6	6.5	68.0	7.1	92.1	12.0	131.6	9.7	192.0	9.4
16.6	6.5	69.0	7.1	93.1	12.0	132.6	9.7	193.9	9.4
17.5	6.6	69.0	7.2	94.1	11.9	133.5	9.7	196.7	9.4
18.5	6.6	69.0	7.2	94.1	11.8	134.5	9.8	197.7	9.4
19.5	6.6	69.9	7.3	95.0	11.9	135.5	9.9	200.5	9.4
20.4	6.6	69.9	7.5	96.0	11.9	135.5	10.0	202.5	9.3
22.4	6.5	69.9	7.6	97.0	12.0	135.5	10.0	204.4	9.3
22.4	6.5	70.9	7.8	97.0	11.9	136.4	10.1	206.3	9.3
23.4	6.4	71.9	7.9	97.9	11.9	137.4	10.2	208.2	9.2
24.3	6.4	71.9	8.0	97.0	11.7	139.3	10.2	210.1	9.2
25.3	6.4	72.8	8.1	97.9	11.7	140.3	10.1	211.0	9.2
26.3	6.4	72.8	8.1	97.9	11.6	141.2	10.1	212.0	9.1
27.3	6.3	73.8	8.2	97.9	11.5	142.2	10.2	212.9	9.1
28.2	6.3	73.8	8.3	97.9	11.4	144.1	10.2	214.8	9.0
29.2	6.2	74.8	8.4	98.9	11.2	145.1	10.2	214.8	8.9
30.2	6.2	74.8	8.5	97.9	11.1	146.0	10.2	215.8	8.9
31.1	6.2	75.7	8.6	98.9	11.0	147.0	10.2	216.7	8.8
31.1	6.2	75.7	8.7	98.9	10.9	147.9	10.1	217.7	8.7
32.1	6.3	76.7	8.8	99.9	10.8	147.9	10.0	218.6	8.6
34.1	6.2	76.7	9.0	99.9	10.8	148.9	10.0	220.5	8.6
35.0	6.2	76.7	9.2	100.8	10.7	149.9	10.0	221.5	8.5
36.0	6.2	77.7	9.4	100.8	10.6	151.8	10.0	221.5	8.4
37.0	6.3	77.7	9.5	101.8	10.5	153.7	10.0	222.4	8.3
37.9	6.3	77.7	9.7	101.8	10.5	154.7	9.9	225.3	8.3
38.9	6.3	78.6	9.8	103.7	10.4	155.6	9.9	227.2	8.3

STA 23 DAY: 27 TIME: 0656

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
229.1	8.3	328.3	6.2	436.7	5.2	569.2	4.8
231.0	8.2	329.3	6.2	440.4	5.2	570.1	4.8
232.9	8.2	331.2	6.2	443.2	5.2	571.0	4.8
234.8	8.1	333.0	6.2	446.9	5.2	572.9	4.8
236.7	8.1	334.9	6.2	450.6	5.2	574.7	4.8
238.6	8.0	334.9	6.2	453.3	5.2	576.5	4.8
241.5	8.0	336.8	6.1	456.1	5.2	577.4	4.8
242.4	7.9	337.7	6.0	458.9	5.2	581.1	4.7
244.3	7.9	339.6	6.0	462.6	5.1	582.9	4.7
248.1	7.8	341.5	6.0	465.4	5.1	585.6	4.7
250.0	7.8	343.4	5.9	467.2	5.1	587.5	4.7
251.9	7.8	345.2	5.9	470.0	5.1	591.1	4.8
253.8	7.8	347.1	5.9	473.7	5.1	593.8	4.7
255.7	7.7	349.0	5.9	475.5	5.1	596.6	4.7
257.6	7.6	350.9	5.9	477.4	5.1	600.2	4.7
260.4	7.6	352.7	5.8	480.2	5.0	602.9	4.7
262.3	7.5	353.7	5.8	483.9	5.0	605.7	4.7
264.2	7.5	355.6	5.8	488.5	5.0	608.4	4.7
265.1	7.4	360.2	5.7	492.2	5.0	609.3	4.7
267.0	7.4	363.0	5.7	494.0	5.0	611.1	4.7
268.9	7.3	364.0	5.7	498.6	5.0	612.9	4.7
270.8	7.2	365.8	5.5	502.3	5.0	615.7	4.7
272.7	7.1	368.7	5.5	505.0	5.0	618.4	4.7
274.6	7.1	370.5	5.5	507.8	5.0	621.1	4.7
276.5	7.0	374.3	5.5	510.6	5.0	623.8	4.7
279.3	6.9	377.1	5.5	513.3	5.0	626.5	4.7
282.2	6.9	379.9	5.5	515.2	4.9	628.4	4.7
284.1	6.9	382.7	5.5	518.8	4.9	630.2	4.7
285.9	6.9	384.5	5.5	521.6	4.9	634.7	4.7
288.8	6.9	386.4	5.5	525.3	4.9	636.5	4.7
290.7	6.8	388.3	5.5	528.0	4.9		
292.6	6.7	392.9	5.5	530.8	4.9		
295.4	6.8	395.7	5.5	533.5	4.9		
297.3	6.7	398.5	5.5	535.4	4.9		
299.2	6.7	401.3	5.4	537.2	4.8		
302.0	6.7	402.3	5.5	539.9	4.8		
303.9	6.7	403.2	5.4	541.8	4.8		
305.8	6.7	406.0	5.4	543.6	4.8		
307.6	6.7	407.8	5.4	547.3	4.8		
307.6	6.6	409.7	5.4	550.0	4.8		
309.5	6.6	410.6	5.3	550.9	4.8		
312.4	6.5	412.5	5.3	552.8	4.8		
315.2	6.5	414.4	5.3	554.6	4.8		
317.1	6.5	416.2	5.3	557.3	4.8		
318.9	6.5	420.9	5.3	558.3	4.8		
321.8	6.5	423.7	5.3	560.1	4.8		
322.7	6.5	426.5	5.3	563.7	4.8		
324.6	6.4	429.2	5.3	565.6	4.8		
325.5	6.3	432.0	5.3	566.5	4.8		
326.5	6.2	434.8	5.3	568.3	4.8		

STA 24
DAY: 1 TIME: 0613

DEPTH (m)	TEMP (°C)
1.0	6.7
2.9	6.7
4.9	6.6
6.8	6.5
10.7	6.4
15.6	6.2
20.4	6.2
24.3	6.2
29.2	6.2
35.0	6.2
38.9	6.2
44.7	6.2
50.6	6.2
54.4	6.2
58.3	6.2
62.2	6.2
64.1	6.2

STA 25
DAY: 1 TIME: 0703

DEPTH (m)	TEMP (°C)
1.0	6.8
2.9	6.7
5.8	6.6
9.7	6.5
11.7	6.4
14.6	6.2
17.5	6.1
20.4	5.9
23.4	5.9
27.3	5.8
32.1	5.8
38.9	5.8
43.8	5.8
47.6	5.8
54.4	5.8
59.3	5.8
63.1	5.8
69.0	5.8
71.9	5.8
72.8	5.8

STA 26
DAY: 1 TIME: 0754

DEPTH (m)	TEMP (°C)
1.0	6.6
3.9	6.6
6.8	6.6
10.7	6.5
12.7	6.4
16.6	6.4
21.4	6.4
23.4	6.4
24.3	6.1
27.3	5.9
28.2	5.7
29.2	5.6
32.1	5.5
37.0	5.5
40.9	5.5
43.8	5.5
46.7	5.5
51.5	5.5
53.5	5.5
56.4	5.5
59.3	5.5
63.1	5.5
66.0	5.5
68.0	5.5
69.9	5.5
70.9	5.5
71.9	5.5
73.8	5.5

STA 27 DAY: 1 TIME: 0907

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	6.6	120.1	6.6
1.9	6.6	122.0	6.7
2.9	6.5	123.0	6.7
5.8	6.5	123.9	6.8
8.8	6.5	124.9	7.0
12.7	6.5	125.9	7.1
14.6	6.5	126.8	7.2
16.6	6.4	128.7	7.2
18.5	6.4	130.7	7.3
20.4	6.3	131.6	7.3
23.4	6.2	131.6	7.5
26.3	6.2	131.6	7.5
29.2	6.2		
31.1	6.2		
32.1	6.2		
34.1	6.1		
35.0	6.1		
37.0	6.0		
37.9	6.0		
40.9	5.9		
42.8	5.9		
45.7	5.9		
46.7	5.9		
48.6	5.8		
50.6	5.8		
53.5	5.7		
56.4	5.7		
59.3	5.7		
63.1	5.6		
67.0	5.6		
70.9	5.7		
74.8	5.7		
77.7	5.7		
80.6	5.7		
82.5	5.8		
84.4	5.9		
85.4	6.0		
87.3	6.1		
89.2	6.2		
91.2	6.2		
93.1	6.3		
95.0	6.4		
97.0	6.4		
99.9	6.4		
103.7	6.4		
106.6	6.4		
109.5	6.4		
113.4	6.4		
115.3	6.4		
118.2	6.5		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	28	05 MAY 1981	15.1	40°22.3 N	67°42.9 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
2	2.0	6.222	32.596	7.10	0.24	25.626	0.000	1473.	3.4
4	3.9	6.222	32.596	7.10	0.24	25.626	0.004	1473.	3.4
6	5.8	6.220	32.596	7.15	0.25	25.626	0.009	1473.	3.4
8	8.3	6.217	32.594	7.16	0.25	25.625	0.015	1473.	3.4
10	9.8	6.215	32.596	7.13	0.24	25.627	0.018	1473.	3.4
12	12.0	6.211	32.599	7.12	0.24	25.630	0.024	1473.	4.6
14	14.3	6.209	32.611	7.11	0.24	25.640	0.029	1473.	5.5
16	15.8	6.205	32.627	7.09	0.23	25.653	0.032	1473.	6.1
18	18.1	6.181	32.698	7.10	0.20	25.712	0.038	1473.	6.4
20	20.1	6.155	32.745	7.09	0.19	25.752	0.042	1473.	6.9
21	21.3	6.144	32.759	7.06	0.16	25.764	0.045	1473.	7.1
24	24.4	6.144	32.795	7.17	0.15	25.793	0.052	1473.	7.1
26	26.1	5.883	32.774	7.11	0.15	25.809	0.056	1472.	7.1
28	27.9	5.766	32.831	7.14	0.15	25.867	0.059	1472.	7.2
30	29.7	5.732	32.865	6.97	0.14	25.898	0.063	1471.	7.2
32	32.0	5.724	32.900	6.86	0.14	25.927	0.068	1472.	7.2
33	33.7	5.764	32.954	6.76	0.14	25.965	0.071	1472.	6.9
36	36.0	5.781	33.005	6.70	0.14	26.003	0.076	1472.	6.3
38	38.3	5.786	33.025	6.68	0.14	26.019	0.081	1472.	5.9
40	40.0	5.837	33.061	6.65	0.13	26.041	0.084	1472.	5.4
42	42.0	5.892	33.086	6.64	0.14	26.054	0.088	1473.	4.9
44	44.1	5.958	33.116	6.63	0.14	26.069	0.092	1473.	4.5
46	45.9	6.008	33.129	6.60	0.14	26.074	0.096	1473.	4.7
48	47.9	6.042	33.148	6.56	0.14	26.084	0.099	1473.	4.8
50	49.9	6.081	33.173	6.54	0.14	26.099	0.103	1474.	4.9
51	51.7	6.156	33.196	6.51	0.15	26.108	0.107	1474.	4.9
54	54.0	6.320	33.273	6.45	0.15	26.148	0.111	1475.	5.0
56	56.1	6.400	33.302	6.41	0.15	26.161	0.115	1475.	5.0
57	57.9	6.432	33.318	6.43	0.15	26.169	0.118	1475.	4.9
59	59.9	6.450	33.328	6.42	0.15	26.175	0.122	1475.	5.0
62	62.2	6.558	33.371	6.36	0.15	26.195	0.126	1476.	5.7
64	64.0	6.644	33.409	6.28	0.15	26.213	0.129	1476.	6.4
65	65.7	6.762	33.445	6.24	0.15	26.226	0.132	1477.	6.8
68	68.4	7.236	33.576	6.10	0.15	26.265	0.137	1479.	7.0
69	69.9	7.476	33.719	5.99	0.15	26.343	0.140	1480.	7.0
71	72.0	7.715	33.793	5.92	0.15	26.368	0.143	1481.	6.7
73	74.1	7.875	33.851	5.89	0.15	26.391	0.147	1482.	6.2
75	76.0	7.932	33.869	5.88	0.15	26.396	0.150	1482.	5.4
77	78.0	8.019	33.911	5.85	0.15	26.416	0.153	1482.	4.4
79	80.1	8.064	33.932	5.83	0.15	26.426	0.156	1483.	3.9
81	82.0	8.081	33.941	5.84	0.15	26.430	0.159	1483.	3.4
83	83.8	8.111	33.958	5.82	0.15	26.439	0.162	1483.	3.1
85	86.2	8.152	33.972	5.81	0.15	26.444	0.166	1483.	2.7
87	87.9	8.190	33.978	5.83	0.15	26.443	0.169	1483.	3.0
89	90.0	8.225	33.989	5.84	0.15	26.446	0.172	1484.	3.4
91	91.7	8.243	33.998	5.81	0.15	26.451	0.175	1484.	3.8
93	94.1	8.358	34.029	5.76	0.14	26.458	0.179	1484.	4.3
95	96.1	8.565	34.102	5.74	0.14	26.483	0.182	1485.	4.6
97	98.0	8.599	34.128	5.71	0.14	26.499	0.185	1485.	4.8
99	100.1	8.562	34.144	5.67	0.15	26.517	0.188	1485.	4.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	28	05 MAY 1981	15.1	40°22.3 N	67°42.9 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	8.552	34.163	5.62	0.15	26.533	0.191	1485.	4.4
103	104.0	8.538	34.172	5.60	0.15	26.542	0.194	1485.	3.9
105	106.1	8.533	34.181	5.58	0.16	26.550	0.197	1485.	3.4
107	107.9	8.528	34.186	5.58	0.16	26.555	0.200	1485.	3.0
109	109.8	8.525	34.188	5.58	0.16	26.557	0.203	1485.	2.7
111	112.2	8.523	34.192	5.58	0.16	26.560	0.206	1485.	2.6
113	114.0	8.522	34.195	5.60	0.16	26.563	0.209	1485.	2.7
115	115.8	8.522	34.201	5.59	0.16	26.567	0.211	1485.	2.8
117	118.0	8.524	34.210	5.55	0.16	26.575	0.215	1485.	3.0
119	120.0	8.526	34.221	5.52	0.16	26.582	0.218	1485.	3.3
120	121.3	8.526	34.226	5.52	0.17	26.587	0.220	1485.	3.5
121	122.0	8.526	34.231	5.49	0.17	26.591	0.221	1485.	3.9
122	123.1	8.526	34.234	5.49	0.17	26.593	0.222	1486.	4.2
123	124.1	8.529	34.244	5.49	0.17	26.600	0.224	1486.	4.4
124	124.9	8.539	34.257	5.46	0.18	26.609	0.225	1486.	4.5
125	126.0	8.554	34.272	5.43	0.18	26.618	0.226	1486.	4.6
126	127.1	8.561	34.280	5.42	0.19	26.624	0.228	1486.	4.8
127	127.9	8.567	34.286	5.44	0.19	26.627	0.229	1486.	4.8
128	128.9	8.584	34.294	5.44	0.20	26.631	0.230	1486.	4.8
129	129.8	8.599	34.311	5.43	0.20	26.642	0.232	1486.	4.8
130	130.9	8.608	34.331	5.44	0.22	26.656	0.233	1486.	4.8

STA 29 DAY: 3 TIME: 0152

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	6.1	110.5	7.4
1.9	6.1	113.4	7.4
3.9	6.1	114.3	7.4
6.8	6.1		
8.8	6.1		
11.7	6.1		
13.6	6.1		
14.6	6.1		
16.6	6.0		
17.5	6.0		
19.5	5.9		
21.4	5.8		
22.4	5.7		
23.4	5.7		
25.3	5.7		
28.2	5.6		
31.1	5.6		
34.1	5.7		
36.0	5.7		
37.0	5.7		
39.9	5.7		
40.9	5.7		
42.8	5.8		
44.7	5.8		
46.7	5.9		
48.6	5.9		
51.5	6.0		
55.4	6.1		
57.3	6.1		
59.3	6.1		
63.1	6.2		
65.1	6.2		
69.9	6.2		
73.8	6.2		
77.7	6.2		
81.5	6.3		
83.5	6.4		
84.4	6.5		
87.3	6.6		
89.2	6.7		
91.2	6.7		
94.1	6.8		
97.0	6.9		
98.9	7.0		
100.8	7.1		
102.8	7.1		
104.7	7.2		
106.6	7.2		
106.6	7.3		
109.5	7.3		

STA 30 DAY: 3 TIME: 0205

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	5.8	106.6	8.0
1.9	5.8	109.5	8.1
4.9	5.8	112.4	8.1
7.8	5.8	115.3	8.1
9.7	5.8	116.2	8.2
10.7	5.7	118.2	8.3
13.6	5.7	122.0	8.3
15.6	5.5	124.9	8.3
16.6	5.5	126.8	8.3
18.5	5.5	128.7	8.3
21.4	5.5		
23.4	5.5		
24.3	5.6		
25.3	5.6		
27.3	5.6		
28.2	5.7		
30.2	5.8		
32.1	5.8		
34.1	5.9		
37.0	6.0		
38.9	6.1		
41.8	6.3		
43.8	6.4		
45.7	6.5		
47.6	6.5		
50.6	6.5		
53.5	6.6		
56.4	6.6		
59.3	6.5		
62.2	6.5		
65.1	6.5		
68.0	6.5		
69.9	6.5		
72.8	6.6		
74.8	6.6		
75.7	6.7		
76.7	6.8		
77.7	6.9		
79.6	7.1		
81.5	7.3		
81.5	7.4		
83.5	7.5		
87.3	7.5		
90.2	7.6		
92.1	7.6		
94.1	7.7		
96.0	7.8		
98.9	7.9		
101.8	7.9		
103.7	8.0		

STA 31 DAY: 3 TIME: 0219

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	5.7	127.8	8.5
2.9	5.7	129.7	8.5
4.9	5.7	131.6	8.5
8.8	5.7	133.5	8.5
10.7	5.7	135.5	8.4
17.5	5.7	140.3	8.4
20.4	5.7	142.2	8.4
21.4	5.6	143.1	8.4
25.3	5.6	145.1	8.5
28.2	5.6	147.0	8.5
31.1	5.5	149.9	8.5
33.1	5.6	151.8	8.5
35.0	5.7		
36.0	5.8		
37.9	6.0		
38.9	6.3		
38.9	6.5		
42.8	6.6		
45.7	6.7		
47.6	6.9		
50.6	7.0		
53.5	7.1		
56.4	7.2		
61.2	7.2		
65.1	7.3		
68.0	7.3		
69.9	7.4		
71.9	7.5		
72.8	7.6		
74.8	7.8		
76.7	7.8		
77.7	8.0		
82.5	8.1		
84.4	8.1		
86.4	8.2		
88.3	8.3		
92.1	8.3		
95.0	8.4		
97.0	8.5		
97.9	8.5		
101.8	8.5		
104.7	8.5		
107.6	8.5		
110.5	8.5		
113.4	8.5		
117.2	8.5		
120.1	8.5		
122.0	8.5		
124.9	8.5		

STA 32 DAY: 3 TIME: 0233

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	5.8	129.7	8.5
3.9	5.7	134.5	8.5
6.8	5.7	138.3	8.5
10.7	5.7	141.2	8.5
14.6	5.8	142.2	8.5
19.5	5.8	145.1	8.5
21.4	5.7	147.9	8.6
25.3	5.7	149.9	8.6
29.2	5.7		
31.1	5.7		
35.0	5.6		
38.9	5.6		
42.8	5.5		
44.7	5.5		
48.6	5.5		
50.6	5.5		
52.5	5.8		
53.5	6.0		
54.4	6.3		
56.4	6.5		
57.3	6.7		
58.3	6.8		
59.3	6.9		
63.1	6.9		
65.1	7.0		
67.0	7.2		
68.0	7.4		
70.9	7.5		
73.8	7.5		
76.7	7.5		
77.7	7.6		
78.6	7.8		
81.5	7.8		
83.5	7.8		
86.4	7.9		
89.2	7.8		
91.2	7.9		
93.1	8.0		
94.1	8.1		
96.0	8.3		
97.0	8.3		
97.9	8.4		
97.9	8.5		
100.8	8.5		
104.7	8.5		
107.6	8.5		
112.4	8.5		
116.2	8.5		
120.1	8.5		
123.9	8.5		

STA 33 DAY: 3 TIME: 0250

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	7.0	112.4	9.4
3.9	7.0	114.3	9.2
6.8	7.0	115.3	9.1
9.7	7.0	116.2	9.0
13.6	7.0	120.1	9.0
18.5	7.1	123.9	8.9
21.4	7.0	125.9	8.9
25.3	7.1	129.7	8.8
28.2	7.0	133.5	8.8
30.2	7.0	137.4	8.8
33.1	7.0	140.3	8.8
34.1	6.9	143.1	8.8
36.0	6.8	146.0	8.8
37.9	6.9	147.0	8.8
38.9	7.0	149.9	8.8
40.9	7.3	153.7	8.8
41.8	7.4	156.6	8.8
43.8	7.6	159.4	8.8
45.7	7.6	163.3	8.8
48.6	7.8		
51.5	7.9		
53.5	8.0		
55.4	8.1		
56.4	8.1		
59.3	8.1		
62.2	8.1		
64.1	8.2		
66.0	8.3		
68.0	8.5		
69.9	8.5		
72.8	8.7		
74.8	8.7		
77.7	8.8		
80.6	8.9		
81.5	9.0		
81.5	9.2		
82.5	9.3		
83.5	9.5		
83.5	9.6		
84.4	9.7		
86.4	9.8		
87.3	9.8		
90.2	9.8		
94.1	9.9		
99.9	9.8		
101.8	9.8		
103.7	9.8		
105.6	9.7		
109.5	9.6		
111.4	9.4		

STA 34 DAY: 3 TIME: 0313

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	7.7	40.9	8.5	74.8	10.4	131.6	11.3	196.7	9.7
0.0	7.8	41.8	8.5	75.7	10.5	132.6	11.3	198.6	9.7
1.0	7.8	42.8	8.6	77.7	10.5	133.5	11.3	201.5	9.7
2.9	7.8	44.7	8.6	79.6	10.6	135.5	11.3	202.5	9.7
3.9	7.8	47.6	8.7	81.5	10.6	135.5	11.2	202.5	9.7
5.8	7.8	48.6	8.7	82.5	10.6	136.4	11.2	204.4	9.5
6.8	7.8	50.6	8.7	85.4	10.7	137.4	11.1	206.3	9.5
6.8	7.8	52.5	8.7	86.4	10.8	138.3	11.1	207.2	9.5
6.8	7.8	53.5	8.7	88.3	10.8	139.3	11.1	208.2	9.5
8.8	7.8	54.4	8.8	90.2	10.9	141.2	11.1	210.1	9.5
9.7	7.8	54.4	8.9	91.2	10.9	141.2	11.2	211.0	9.4
11.7	7.8	55.4	9.0	92.1	11.0	142.2	11.2	211.0	9.3
13.6	7.8	55.4	9.2	93.1	11.1	144.1	11.2	212.0	9.3
14.6	7.8	56.4	9.3	94.1	11.1	145.1	11.2	212.9	9.3
16.6	7.8	56.4	9.4	96.0	11.1	146.0	11.3	213.9	9.2
18.5	7.8	57.3	9.4	97.9	11.1	147.9	11.3	213.9	9.1
19.5	7.8	57.3	9.2	98.9	11.1	149.9	11.3	214.8	9.0
21.4	7.7	57.3	9.2	99.9	11.2	151.8	11.3	216.7	8.9
22.4	7.7	57.3	9.1	100.8	11.3	152.7	11.3	217.7	8.9
23.4	7.6	57.3	9.0	100.8	11.4	154.7	11.2	218.6	8.8
24.3	7.5	58.3	8.9	101.8	11.5	154.7	11.2	218.6	8.7
25.3	7.5	58.3	8.8	102.8	11.6	156.6	11.2	219.6	8.7
25.3	7.4	58.3	8.7	103.7	11.6	157.5	11.2	221.5	8.7
26.3	7.4	58.3	8.6	104.7	11.6	159.4	11.2	222.4	8.6
27.3	7.3	58.3	8.5	106.6	11.7	161.4	11.1	224.4	8.5
28.2	7.3	59.3	8.4	107.6	11.7	162.3	11.1	226.3	8.5
29.2	7.3	59.3	8.4	109.5	11.7	164.2	11.0	227.2	8.4
31.1	7.3	60.2	8.4	110.5	11.7	164.2	11.0	229.1	8.4
31.1	7.4	61.2	8.5	111.4	11.7	165.2	10.8	230.1	8.3
32.1	7.4	61.2	8.6	112.4	11.5	166.2	10.8	231.0	8.2
33.1	7.5	61.2	8.8	113.4	11.5	167.1	10.6	231.0	8.2
33.1	7.6	62.2	8.8	113.4	11.4	169.0	10.6	232.0	8.1
34.1	7.6	62.2	8.9	115.3	11.4	170.9	10.6	232.0	8.0
34.1	7.7	63.1	9.0	115.3	11.4	171.9	10.5	232.0	7.9
34.1	7.7	63.1	9.0	117.2	11.4	173.8	10.5	232.0	7.7
35.0	7.8	63.1	9.1	117.2	11.4	173.8	10.4	232.0	7.6
36.0	7.7	63.1	9.2	118.2	11.4	174.8	10.3	232.0	7.4
37.0	7.6	63.1	9.3	119.1	11.4	175.7	10.2	232.0	7.3
37.0	7.5	64.1	9.4	121.1	11.4	176.7	10.2	233.9	7.3
37.9	7.5	64.1	9.5	122.0	11.5	178.6	10.1	235.8	7.3
37.9	7.4	65.1	9.6	123.0	11.5	179.5	10.1	236.7	7.2
37.9	7.6	65.1	9.6	123.0	11.5	182.4	10.0	237.7	7.2
38.9	7.6	67.0	9.7	123.9	11.6	183.4	10.0	239.6	7.1
38.9	7.8	67.0	9.8	124.9	11.6	185.3	9.9	242.4	7.1
38.9	7.9	68.0	9.9	126.8	11.6	186.2	9.9	244.3	7.1
39.9	8.0	68.0	9.9	126.8	11.5	188.1	9.8	246.2	7.1
39.9	8.1	70.9	10.0	128.7	11.5	189.1	9.7	248.1	7.1
39.9	8.2	70.9	10.1	129.7	11.4	190.1	9.7	250.0	7.1
40.9	8.3	71.9	10.1	129.7	11.4	192.9	9.7	251.9	7.0
40.9	8.4	72.8	10.3	130.7	11.3	194.8	9.7		

STA 35 DAY: 3 TIME: 0326

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	8.0	50.6	8.1	85.4	9.3	135.5	11.0	212.0	9.4
1.0	8.0	50.6	8.0	85.4	9.4	136.4	11.0	214.8	9.3
3.9	8.0	50.6	7.9	86.4	9.5	137.4	11.0	216.7	9.3
5.8	8.0	50.6	7.8	86.4	9.6	138.3	11.0	219.6	9.2
7.8	8.0	50.6	7.8	87.3	9.7	139.3	11.0	220.5	9.2
9.7	8.0	50.6	7.6	87.3	9.8	141.2	11.1	223.4	9.2
12.7	8.0	50.6	7.5	88.3	9.8	143.1	11.0	225.3	9.2
14.6	7.9	51.5	7.4	89.2	9.9	144.1	11.0	226.3	9.1
16.6	7.9	51.5	7.4	89.2	10.0	146.0	10.9	227.2	9.1
18.5	7.9	52.5	7.3	90.2	10.1	147.9	10.8	229.1	9.0
19.5	7.9	53.5	7.2	90.2	10.2	148.9	10.8	230.1	9.0
21.4	7.9	54.4	7.2	91.2	10.2	149.9	10.7	231.0	8.9
22.4	7.9	55.4	7.2	92.1	10.3	151.8	10.7	232.9	8.9
25.3	7.9	57.3	7.2	92.1	10.5	153.7	10.6	233.9	8.8
27.3	7.9	58.3	7.2	93.1	10.5	154.7	10.6	234.8	8.8
29.2	7.9	60.2	7.1	94.1	10.6	156.6	10.6	235.8	8.7
30.2	7.9	61.2	7.1	95.0	10.6	158.5	10.6	236.7	8.7
31.1	7.9	63.1	7.1	96.0	10.7	160.4	10.5	239.6	8.7
33.1	7.9	64.1	7.2	97.0	10.8	162.3	10.5	240.5	8.7
34.1	7.9	65.1	7.2	97.9	10.8	164.2	10.5	243.4	8.6
35.0	7.9	66.0	7.3	98.9	11.0	165.2	10.4	244.3	8.6
36.0	7.8	67.0	7.3	99.9	11.0	166.2	10.3	246.2	8.6
36.0	7.7	68.0	7.4	100.8	11.1	168.1	10.3	249.0	8.6
37.0	7.6	69.0	7.4	102.8	11.1	169.0	10.2	250.0	8.6
37.0	7.5	69.0	7.5	103.7	11.2	170.0	10.2	251.9	8.5
37.0	7.4	69.0	7.6	104.7	11.3	170.9	10.2	253.8	8.5
37.9	7.3	69.9	7.6	104.7	11.3	172.9	10.1	254.7	8.5
37.9	7.2	69.9	7.7	106.6	11.3	174.8	10.1	255.7	8.5
38.9	7.2	70.9	7.8	108.5	11.4	176.7	10.1	259.5	8.4
38.9	7.1	70.9	7.9	109.5	11.4	179.5	10.1	262.3	8.4
39.9	7.1	71.9	8.0	110.5	11.5	180.5	10.2	264.2	8.4
39.9	7.2	71.9	8.0	113.4	11.5	182.4	10.2	267.0	8.4
40.9	7.2	72.8	8.1	115.3	11.5	184.3	10.2	268.9	8.4
40.9	7.3	73.8	8.1	117.2	11.5	185.3	10.2	270.8	8.3
42.8	7.3	73.8	8.2	118.2	11.5	187.2	10.1	273.7	8.3
42.8	7.3	74.8	8.3	119.1	11.5	187.2	10.1	275.6	8.3
43.8	7.3	74.8	8.5	121.1	11.5	188.1	10.0	277.4	8.2
44.7	7.3	74.8	8.6	123.0	11.5	189.1	9.9	279.3	8.2
45.7	7.3	75.7	8.7	123.9	11.4	190.1	9.8	281.2	8.2
45.7	7.3	75.7	8.9	124.9	11.4	191.0	9.8	283.1	8.2
46.7	7.4	76.7	8.9	125.9	11.3	192.9	9.7	285.0	8.1
47.6	7.5	77.7	8.9	125.9	11.3	194.8	9.7	286.9	8.1
47.6	7.6	78.6	9.0	126.8	11.2	197.7	9.6	287.8	8.0
48.6	7.7	79.6	9.0	127.8	11.2	198.6	9.6	288.8	8.0
48.6	7.8	80.6	9.1	128.7	11.2	200.5	9.5	289.7	7.9
48.6	7.9	81.5	9.1	129.7	11.1	203.4	9.5	291.6	7.9
49.6	8.0	82.5	9.1	130.7	11.1	204.4	9.5	293.5	7.9
49.6	8.0	82.5	9.2	132.6	11.1	206.3	9.5	293.5	7.8
49.6	8.1	83.5	9.3	133.5	11.1	208.2	9.4	294.4	7.6
49.6	8.1	84.4	9.3	134.5	11.1	210.1	9.4	295.4	7.6

STA 35 DAY: 3 TIME: 0326

DEPTH (m)	TEMP (°C)
297.3	7.5
298.2	7.4
301.0	7.3
302.0	7.3
303.9	7.2
305.8	7.2
307.6	7.1
308.6	7.0
309.5	6.9
310.5	6.9
312.4	6.8
313.3	6.7
314.2	6.6
315.2	6.5
316.1	6.5
317.1	6.5
318.9	6.5
320.8	6.4
323.6	6.4
325.5	6.4
327.4	6.3
329.3	6.3
330.2	6.2
332.1	6.1
332.1	6.1
333.0	6.0
335.9	6.0
337.7	5.9
339.6	5.9
341.5	5.9
343.4	5.9
345.2	5.8
346.2	5.8
347.1	5.7
347.1	5.6
348.1	5.5
349.9	5.5
351.8	5.5
354.6	5.4
356.5	5.3
358.4	5.3
361.2	5.3
364.0	5.2
365.8	5.2
367.7	5.1
370.5	5.1
372.4	5.1
375.2	5.0
376.1	5.0

STA 36 DAY: 3 TIME: 0340

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	7.7	42.8	7.4	79.6	8.9	129.7	11.3	182.4	10.2
2.9	7.7	42.8	7.3	79.6	9.0	130.7	11.2	184.3	10.2
3.9	7.7	42.8	7.2	80.6	9.1	131.6	11.2	186.2	10.1
5.8	7.7	44.7	7.1	81.5	9.2	131.6	11.2	188.1	10.1
6.8	7.8	44.7	7.1	81.5	9.4	132.6	11.2	190.1	10.0
7.8	7.8	44.7	7.0	81.5	9.5	134.5	11.2	191.0	9.9
8.8	7.8	44.7	6.9	81.5	9.6	134.5	11.3	192.9	9.8
8.8	7.8	46.7	6.9	82.5	9.7	135.5	11.3	193.9	9.8
9.7	7.9	47.6	6.9	82.5	9.8	136.4	11.4	194.8	9.6
10.7	7.9	47.6	6.9	82.5	9.9	136.4	11.4	195.8	9.5
10.7	7.9	48.6	7.0	83.5	10.0	136.4	11.5	197.7	9.5
11.7	8.0	48.6	7.1	84.4	10.0	136.4	11.6	199.6	9.4
12.7	8.0	49.6	7.1	85.4	10.1	136.4	11.6	201.5	9.4
12.7	8.1	50.6	7.1	87.3	10.1	137.4	11.6	203.4	9.4
13.6	8.1	50.6	7.2	88.3	10.2	138.3	11.7	205.3	9.3
13.6	8.1	50.6	7.2	89.2	10.2	138.3	11.7	207.2	9.3
14.6	8.1	52.5	7.2	90.2	10.3	140.3	11.7	209.1	9.3
16.6	8.1	53.5	7.2	91.2	10.3	141.2	11.7	211.0	9.3
17.5	8.1	55.4	7.2	91.2	10.4	142.2	11.7	212.9	9.3
18.5	8.1	56.4	7.2	92.1	10.5	143.1	11.6	214.8	9.2
19.5	8.1	57.3	7.2	94.1	10.6	143.1	11.6	215.8	9.2
20.4	8.1	58.3	7.3	95.0	10.6	144.1	11.6	218.6	9.2
21.4	8.1	59.3	7.3	97.0	10.6	145.1	11.6	220.5	9.1
22.4	8.1	60.2	7.4	97.0	10.7	147.0	11.6	222.4	9.1
23.4	8.0	60.2	7.4	97.9	10.8	147.9	11.5	223.4	9.0
24.3	8.0	61.2	7.5	99.9	10.8	148.9	11.4	226.3	9.0
25.3	8.0	62.2	7.5	100.8	10.9	149.9	11.4	228.2	8.9
26.3	7.9	63.1	7.6	101.8	11.0	150.8	11.3	230.1	8.9
27.3	7.9	64.1	7.6	102.8	11.1	151.8	11.3	232.0	8.8
28.2	7.9	65.1	7.6	103.7	11.1	153.7	11.3	234.8	8.8
28.2	7.8	67.0	7.6	104.7	11.1	154.7	11.2	236.7	8.8
29.2	7.8	68.0	7.7	106.6	11.2	156.6	11.2	238.6	8.8
30.2	7.7	69.0	7.8	106.6	11.2	158.5	11.2	241.5	8.7
31.1	7.6	69.9	7.8	107.6	11.2	159.4	11.2	243.4	8.7
31.1	7.6	70.9	7.9	108.5	11.2	161.4	11.2	244.3	8.6
33.1	7.6	70.9	7.9	110.5	11.2	163.3	11.1	246.2	8.6
33.1	7.5	71.9	7.9	111.4	11.2	164.2	11.1	247.1	8.5
35.0	7.5	73.8	8.0	113.4	11.2	165.2	11.0	248.1	8.5
35.0	7.6	74.8	8.1	115.3	11.2	166.2	11.0	250.0	8.5
36.0	7.6	74.8	8.1	116.2	11.2	167.1	10.8	252.8	8.4
37.0	7.6	75.7	8.2	118.2	11.2	168.1	10.8	253.8	8.4
37.9	7.6	75.7	8.2	119.1	11.2	170.9	10.7	254.7	8.4
37.9	7.6	76.7	8.3	121.1	11.2	171.9	10.7	255.7	8.3
38.9	7.7	76.7	8.4	122.0	11.2	173.8	10.6	257.6	8.3
38.9	7.7	76.7	8.4	123.0	11.2	175.7	10.6	259.5	8.2
39.9	7.7	77.7	8.5	124.9	11.3	177.6	10.6	261.4	8.2
40.9	7.6	77.7	8.6	125.9	11.3	177.6	10.5	262.3	8.1
40.9	7.6	78.6	8.7	127.8	11.3	178.6	10.4	264.2	8.1
41.8	7.5	78.6	8.8	128.7	11.3	179.5	10.3	265.1	8.0
42.8	7.4	79.6	8.9	128.7	11.3	181.5	10.3	266.1	7.9

STA 36 DAY: 3 TIME: 0340

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
268.0	7.9	362.1	7.1	456.1	5.1
269.9	7.9	364.9	7.1	458.9	5.1
272.7	7.9	367.7	7.0	461.7	5.1
274.6	7.9	369.6	6.9	465.4	5.1
276.5	7.9	370.5	6.9	467.2	5.1
278.4	7.8	371.5	6.8	469.1	5.2
279.3	7.8	372.4	6.8	470.9	5.2
281.2	7.9	373.3	6.7	473.7	5.2
283.1	7.9	374.3	6.7	475.5	5.2
285.0	7.9	376.1	6.7	479.2	5.2
286.9	7.9	377.1	6.6	482.0	5.2
287.8	7.8	378.0	6.5	483.9	5.2
289.7	7.9	378.0	6.5	487.5	5.2
292.6	7.9	378.9	6.4	488.5	5.2
294.4	7.9	379.9	6.4	489.4	5.1
296.3	7.9	381.7	6.3	494.0	5.1
298.2	7.9	383.6	6.2	496.8	5.0
299.2	7.9	385.5	6.2	497.7	5.0
301.0	7.8	387.3	6.2	499.5	5.0
302.9	7.8	388.3	6.2	503.2	5.0
304.8	7.8	389.2	6.1	505.0	4.9
306.7	7.8	390.1	6.1	507.8	4.9
308.6	7.8	392.0	6.1	510.6	5.0
309.5	7.8	393.9	6.0	514.2	5.0
310.5	7.8	394.8	6.0	517.0	4.9
313.3	7.8	396.7	6.0	519.8	4.9
316.1	7.8	398.5	6.0	523.4	4.9
318.0	7.8	398.5	5.9	526.2	4.9
319.9	7.8	400.4	5.8	528.0	4.9
321.8	7.8	402.3	5.7	530.8	4.9
323.6	7.7	404.1	5.7	533.5	4.9
325.5	7.7	406.0	5.6	535.4	4.9
326.5	7.6	408.8	5.6	537.2	4.9
328.3	7.6	410.6	5.5		
329.3	7.5	413.4	5.5		
332.1	7.5	415.3	5.5		
333.0	7.5	418.1	5.4		
334.9	7.4	419.9	5.3		
337.7	7.4	420.9	5.3		
339.6	7.4	423.7	5.3		
341.5	7.3	426.5	5.2		
343.4	7.3	429.2	5.2		
345.2	7.3	432.0	5.2		
347.1	7.3	433.9	5.2		
348.1	7.2	438.5	5.2		
349.9	7.2	441.3	5.2		
351.8	7.2	444.1	5.2		
354.6	7.2	445.9	5.1		
357.4	7.2	449.6	5.1		
360.2	7.1	453.3	5.1		

STA 37 DAY: 3 TIME: 0350

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	7.5	38.9	7.5	82.5	9.2	126.8	10.7	184.3	10.0
0.0	7.5	38.9	7.5	82.5	9.3	127.8	10.7	185.3	10.0
0.0	7.4	39.9	7.4	84.4	9.4	127.8	10.6	185.3	9.9
1.0	7.4	39.9	7.4	85.4	9.5	128.7	10.6	187.2	9.9
2.9	7.4	41.8	7.4	85.4	9.7	129.7	10.6	189.1	9.8
3.9	7.4	42.8	7.3	86.4	9.8	130.7	10.6	189.1	9.8
5.8	7.4	42.8	7.4	86.4	9.9	130.7	10.7	190.1	9.7
6.8	7.4	43.8	7.5	86.4	10.2	131.6	10.7	191.0	9.6
6.8	7.6	43.8	7.6	87.3	10.3	133.5	10.7	192.9	9.6
6.8	7.6	43.8	7.8	87.3	10.4	134.5	10.7	193.9	9.7
6.8	7.8	44.7	7.9	89.2	10.5	135.5	10.7	195.8	9.7
6.8	7.9	44.7	7.9	89.2	10.6	137.4	10.7	196.7	9.6
6.8	8.0	44.7	8.0	90.2	10.6	139.3	10.7	197.7	9.6
6.8	8.0	44.7	8.0	91.2	10.7	140.3	10.7	198.6	9.5
7.8	8.0	44.7	8.1	93.1	10.8	141.2	10.7	199.6	9.4
8.8	8.0	45.7	8.1	93.1	10.8	142.2	10.8	201.5	9.4
9.7	8.1	46.7	8.1	94.1	11.0	144.1	10.8	201.5	9.4
9.7	8.1	48.6	8.1	94.1	11.0	146.0	10.8	203.4	9.3
10.7	8.1	49.6	8.1	95.0	11.1	146.0	10.9	205.3	9.2
11.7	8.1	50.6	8.0	96.0	11.2	147.0	11.0	205.3	9.2
12.7	8.1	51.5	8.0	97.0	11.3	147.9	11.1	206.3	9.1
13.6	8.1	51.5	7.9	97.9	11.3	148.9	11.1	206.3	9.0
14.6	8.0	52.5	7.9	98.9	11.4	150.8	11.1	208.2	9.0
15.6	8.0	53.5	7.9	98.9	11.5	152.7	11.1	210.1	9.0
16.6	8.0	53.5	7.9	98.9	11.6	153.7	11.0	212.0	9.0
16.6	7.9	54.4	7.8	99.9	11.6	154.7	11.0	213.9	9.0
17.5	7.9	55.4	7.8	100.8	11.6	155.6	10.9	214.8	9.0
18.5	7.9	56.4	7.8	101.8	11.5	155.6	10.8	216.7	9.0
19.5	7.9	57.3	7.8	101.8	11.5	156.6	10.7	217.7	8.9
21.4	7.9	58.3	7.9	101.8	11.4	156.6	10.7	219.6	8.9
22.4	7.9	58.3	7.9	102.8	11.4	158.5	10.8	221.5	8.8
22.4	7.9	59.3	7.9	103.7	11.3	159.4	10.8	223.4	8.8
23.4	7.8	59.3	8.0	104.7	11.3	160.4	10.8	225.3	8.7
23.4	7.8	60.2	8.0	106.6	11.3	162.3	10.8	227.2	8.7
24.3	7.8	60.2	8.1	107.6	11.2	163.3	10.7	229.1	8.7
25.3	7.8	62.2	8.1	108.5	11.2	165.2	10.7	230.1	8.7
26.3	7.8	63.1	8.1	110.5	11.2	167.1	10.7	232.0	8.7
27.3	7.8	65.1	8.2	111.4	11.2	168.1	10.7	232.9	8.6
27.3	7.8	66.0	8.3	112.4	11.2	169.0	10.6	233.9	8.5
28.2	7.8	68.0	8.3	114.3	11.2	169.0	10.6	234.8	8.4
29.2	7.8	69.9	8.4	116.2	11.2	170.9	10.5		
31.1	7.8	70.9	8.4	118.2	11.2	172.9	10.5		
33.1	7.8	72.8	8.5	119.1	11.2	173.8	10.5		
34.1	7.8	74.8	8.5	120.1	11.2	175.7	10.5		
35.0	7.8	76.7	8.5	122.0	11.2	176.7	10.4		
36.0	7.8	77.7	8.7	123.0	11.1	177.6	10.3		
37.0	7.7	78.6	8.8	123.9	11.0	178.6	10.3		
37.0	7.7	78.6	8.9	124.9	11.0	180.5	10.2		
37.9	7.6	79.6	9.0	124.9	10.9	181.5	10.2		
37.9	7.6	80.6	9.1	125.9	10.8	182.4	10.1		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	39	03 MAY 1981	21.1	40°29.3 N	67°41.1 W	410

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	6.529	32.641	6.98		25.623	0.000	1474.	4.4
8	7.9	6.530	32.639	6.95		25.621	0.002	1474.	4.4
10	10.0	6.532	32.647	6.95		25.627	0.007	1474.	4.4
12	11.9	6.527	32.667	7.01		25.643	0.012	1474.	4.4
14	13.9	6.521	32.674	6.95		25.650	0.016	1474.	4.4
16	16.1	6.503	32.695	6.96		25.669	0.021	1474.	5.1
18	17.8	6.496	32.708	6.98		25.680	0.025	1474.	5.8
20	20.0	6.492	32.722	6.98		25.691	0.030	1474.	6.5
22	21.9	6.483	32.753	6.92		25.717	0.035	1474.	7.5
24	24.2	6.469	32.814	6.96		25.767	0.040	1474.	8.0
26	25.9	6.485	32.871	6.89		25.810	0.044	1474.	8.4
28	28.0	6.552	32.961	6.80		25.872	0.048	1475.	8.7
30	30.1	6.706	33.080	6.75		25.946	0.052	1476.	8.4
32	32.1	6.820	33.137	6.72		25.975	0.057	1476.	7.9
34	33.9	6.961	33.204	6.60		26.009	0.060	1477.	7.5
36	36.1	7.239	33.302	6.53		26.049	0.064	1478.	7.1
38	38.1	7.420	33.332	6.50		26.047	0.068	1479.	7.0
40	39.8	7.526	33.384	6.39		26.074	0.072	1479.	7.0
42	42.1	7.871	33.511	6.34		26.124	0.076	1481.	6.8
44	43.9	8.205	33.620	6.34		26.160	0.079	1482.	6.6
46	46.0	8.335	33.705	6.29		26.207	0.083	1483.	6.4
48	48.1	8.339	33.716	6.30		26.215	0.087	1483.	6.1
50	50.0	8.331	33.725	6.29		26.223	0.091	1483.	5.7
52	52.0	8.305	33.748	6.25		26.246	0.094	1483.	5.1
54	54.0	8.083	33.709	6.18		26.248	0.098	1482.	4.6
56	56.1	7.771	33.700	6.22		26.286	0.101	1481.	4.4
57	57.9	7.640	33.699	6.18		26.304	0.104	1480.	4.1
59	60.0	7.591	33.672	6.20		26.291	0.108	1480.	4.0
61	62.0	7.514	33.662	6.21		26.294	0.111	1480.	4.9
63	63.7	7.475	33.672	6.22		26.307	0.114	1480.	5.9
66	66.1	7.407	33.661	6.22		26.308	0.118	1480.	6.9
67	67.9	7.462	33.713	6.12		26.341	0.122	1480.	7.5
70	70.1	7.723	33.867	6.00		26.425	0.125	1481.	7.7
71	71.9	8.630	34.137	5.73		26.501	0.128	1485.	7.8
74	74.2	8.819	34.218	5.69		26.534	0.132	1486.	7.9
75	75.9	9.055	34.247	5.65		26.520	0.134	1487.	7.3
77	78.0	9.525	34.392	5.57		26.557	0.137	1489.	6.4
79	79.8	10.136	34.574	5.53		26.596	0.140	1491.	5.8
81	82.0	10.003	34.608	5.51		26.645	0.143	1491.	5.6
83	83.9	9.840	34.554	5.51		26.631	0.146	1490.	5.4
85	86.0	9.664	34.534	5.46		26.645	0.149	1489.	4.8
87	88.0	9.633	34.552	5.46		26.664	0.151	1489.	4.3
89	89.9	9.645	34.565	5.44		26.673	0.154	1489.	3.7
91	92.0	9.663	34.569	5.43		26.673	0.157	1490.	3.8
93	94.2	9.654	34.602	5.37		26.700	0.160	1490.	3.3
95	95.9	9.611	34.591	5.37		26.699	0.162	1489.	3.1
97	97.8	9.606	34.587	5.34		26.696	0.165	1490.	3.0
99	100.2	9.582	34.596	5.35		26.708	0.168	1489.	3.0
101	101.9	9.518	34.572	5.36		26.699	0.170	1489.	2.6
103	104.1	9.477	34.588	5.36		26.718	0.173	1489.	2.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	39	03 MAY 1981	21.1	40°29.3 N	67°41.1 W	410

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	9.373	34.568	5.31		26.720	0.176	1489.	2.9
107	107.9	9.342	34.572	5.31		26.728	0.178	1489.	2.8
109	110.1	9.291	34.560	5.25		26.727	0.181	1489.	3.1
111	111.7	9.245	34.560	5.24		26.734	0.183	1488.	3.0
113	114.1	9.243	34.562	5.21		26.736	0.187	1488.	3.1
115	115.8	9.184	34.559	5.22		26.743	0.189	1488.	3.8
117	118.2	9.125	34.564	5.25		26.757	0.192	1488.	4.6
119	119.8	9.119	34.571	5.24		26.763	0.194	1488.	5.2
121	122.3	9.095	34.572	5.20		26.768	0.197	1488.	5.7
123	124.1	9.012	34.613	5.07		26.813	0.200	1488.	6.0
125	126.0	8.972	34.652	5.05		26.850	0.202	1488.	6.5
127	127.9	8.959	34.679	5.01		26.873	0.204	1488.	6.7
129	130.2	8.955	34.693	4.95		26.885	0.207	1488.	6.8
131	131.8	8.946	34.734	4.88		26.919	0.209	1488.	6.6
133	134.0	8.935	34.784	4.82		26.959	0.211	1488.	6.5
135	136.0	8.963	34.823	4.77		26.986	0.213	1488.	6.4
137	138.0	9.090	34.879	4.69		27.010	0.216	1489.	6.0
139	140.1	9.041	34.900	4.69		27.034	0.218	1489.	5.4
141	141.7	9.013	34.920	4.66		27.053	0.220	1488.	4.6
143	144.0	8.998	34.929	4.61		27.063	0.222	1488.	3.9
145	146.0	8.998	34.931	4.60		27.064	0.224	1489.	3.1
147	148.0	8.997	34.930	4.56		27.064	0.226	1489.	2.4
149	149.8	8.990	34.927	4.56		27.063	0.228	1489.	1.8
151	152.1	8.951	34.926	4.55		27.069	0.230	1488.	1.6
153	154.0	8.935	34.925	4.56		27.070	0.232	1488.	1.7
155	156.1	8.908	34.924	4.57		27.073	0.234	1488.	1.6
157	157.9	8.896	34.921	4.55		27.073	0.236	1488.	1.5
159	160.0	8.892	34.921	4.57		27.074	0.238	1488.	1.2
161	161.9	8.871	34.919	4.55		27.075	0.240	1488.	1.1
163	164.3	8.851	34.914	4.55		27.075	0.242	1488.	0.9
164	165.8	8.839	34.912	4.57		27.075	0.244	1488.	0.9
167	168.1	8.832	34.911	4.57		27.076	0.246	1488.	1.0
169	170.0	8.832	34.913	4.59		27.078	0.248	1488.	1.1
170	171.9	8.823	34.909	4.58		27.076	0.250	1488.	1.2
173	174.3	8.812	34.909	4.57		27.077	0.252	1488.	1.3
175	175.9	8.801	34.910	4.61		27.080	0.254	1488.	1.3
177	178.1	8.803	34.912	4.58		27.081	0.256	1488.	1.3
178	180.0	8.803	34.912	4.59		27.081	0.258	1488.	1.5
181	182.0	8.798	34.914	4.57		27.084	0.260	1488.	1.5
183	184.0	8.789	34.912	4.55		27.084	0.262	1488.	2.0
185	186.1	8.781	34.912	4.56		27.084	0.264	1488.	2.9
186	188.0	8.761	34.912	4.59		27.088	0.266	1488.	3.8
189	190.1	8.735	34.911	4.56		27.091	0.268	1488.	4.4
190	192.0	8.678	34.921	4.56		27.107	0.270	1488.	4.7
192	193.9	8.445	34.910	4.62		27.135	0.272	1487.	4.8
194	195.9	8.131	34.881	4.63		27.161	0.274	1486.	4.6
197	198.3	8.081	34.886	4.64		27.173	0.276	1486.	4.2
198	199.9	8.051	34.883	4.66		27.175	0.278	1486.	3.6
200	201.9	8.045	34.882	4.66		27.175	0.280	1486.	2.8
202	204.1	8.038	34.882	4.66		27.176	0.281	1486.	2.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	39	03 MAY 1981	21.1	40°29.3 N	67°41.1 W	410

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
204	206.0	8.024	34.884	4.66		27.180	0.283	1486.	2.0
206	207.9	8.005	34.882	4.67		27.181	0.285	1486.	2.0
208	210.1	7.984	34.887	4.68		27.188	0.287	1486.	2.1
210	211.9	7.968	34.885	4.68		27.189	0.289	1486.	2.1
212	213.9	7.952	34.885	4.67		27.191	0.290	1486.	2.1
214	215.9	7.937	34.883	4.68		27.192	0.292	1486.	2.1
216	218.0	7.910	34.883	4.67		27.196	0.294	1486.	2.1
218	220.2	7.903	34.885	4.66		27.199	0.296	1486.	2.1
220	221.7	7.892	34.886	4.67		27.201	0.297	1486.	2.0
222	224.0	7.861	34.885	4.64		27.205	0.300	1485.	1.9
224	226.3	7.854	34.888	4.65		27.208	0.302	1485.	1.7
226	227.7	7.858	34.889	4.67		27.208	0.303	1486.	1.5
228	230.0	7.860	34.890	4.64		27.209	0.305	1486.	1.3
230	232.3	7.855	34.889	4.64		27.209	0.307	1486.	1.3
232	233.7	7.847	34.889	4.67		27.210	0.308	1486.	1.3
234	236.0	7.841	34.889	4.67		27.211	0.310	1486.	1.9
236	238.1	7.836	34.888	4.67		27.211	0.312	1486.	2.4
238	239.7	7.820	34.894	4.69		27.218	0.314	1486.	2.5
240	242.1	7.768	34.882	4.69		27.216	0.316	1485.	3.2
242	244.1	7.739	34.895	4.71		27.231	0.317	1485.	3.9
244	246.0	7.646	34.888	4.71		27.239	0.319	1485.	4.2
246	248.3	7.537	34.862	4.76		27.234	0.321	1485.	4.2
248	250.0	7.349	34.873	4.77		27.270	0.322	1484.	4.2
250	252.1	7.270	34.885	4.76		27.291	0.324	1484.	3.9
252	254.1	7.238	34.879	4.78		27.290	0.326	1484.	3.5
254	255.9	7.238	34.879	4.82		27.290	0.327	1484.	3.1
256	257.9	7.232	34.879	4.80		27.291	0.329	1484.	2.1
258	260.0	7.214	34.879	4.79		27.293	0.331	1484.	1.7
260	262.0	7.210	34.878	4.79		27.294	0.332	1484.	1.9
262	263.9	7.178	34.879	4.78		27.299	0.334	1484.	1.9
264	266.0	7.149	34.877	4.79		27.301	0.335	1483.	1.9
266	268.2	7.137	34.877	4.80		27.303	0.337	1483.	1.9
268	269.9	7.134	34.880	4.82		27.306	0.339	1483.	1.9
270	272.1	7.121	34.879	4.84		27.306	0.340	1483.	2.1
272	274.1	7.103	34.877	4.84		27.308	0.342	1483.	2.2
273	275.8	7.084	34.876	4.84		27.309	0.343	1483.	2.1
276	278.1	7.051	34.876	4.83		27.314	0.345	1483.	2.1
278	280.1	7.020	34.886	4.84		27.327	0.347	1483.	2.2
279	281.6	7.003	34.874	4.85		27.320	0.348	1483.	2.2
282	284.1	6.988	34.873	4.85		27.321	0.350	1483.	2.0
284	286.0	6.971	34.873	4.88		27.323	0.351	1483.	2.1
286	288.0	6.936	34.875	4.87		27.330	0.353	1483.	2.1
288	290.1	6.913	34.874	4.89		27.332	0.355	1483.	2.4
289	291.8	6.885	34.863	4.90		27.327	0.356	1483.	2.4
292	294.0	6.825	34.872	4.91		27.342	0.358	1483.	2.2
294	296.2	6.820	34.874	4.91		27.345	0.359	1483.	1.9
295	297.8	6.808	34.872	4.93		27.345	0.361	1483.	1.7
298	300.1	6.808	34.871	4.91		27.344	0.362	1483.	1.5
299	301.9	6.809	34.871	4.90		27.344	0.364	1483.	0.6
302	304.1	6.805	34.870	4.91		27.344	0.365	1483.	0.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	39	03 MAY 1981	21.1	40°29.3 N	67°41.1 W	410

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	6.800	34.870	4.91		27.345	0.367	1483.	0.8
305	308.0	6.800	34.872	4.88		27.345	0.368	1483.	1.5
308	310.1	6.800	34.870	4.90		27.344	0.370	1483.	1.8
309	311.8	6.795	34.874	4.94		27.348	0.371	1483.	2.0
311	314.0	6.745	34.864	4.94		27.347	0.373	1483.	2.1
314	316.3	6.686	34.868	4.97		27.358	0.375	1482.	2.1
315	318.0	6.673	34.868	4.96		27.360	0.376	1482.	2.1
317	319.9	6.664	34.867	4.95		27.360	0.377	1482.	1.9
319	322.1	6.658	34.868	4.95		27.362	0.379	1482.	1.7
321	323.8	6.657	34.868	4.96		27.362	0.380	1482.	1.2
323	326.0	6.649	34.868	4.94		27.363	0.382	1482.	1.2
325	328.1	6.641	34.868	4.93		27.364	0.384	1482.	1.4
327	330.2	6.637	34.868	4.97		27.365	0.385	1482.	1.8
329	331.8	6.633	34.868	4.97		27.365	0.386	1483.	2.0
331	334.0	6.618	34.867	4.97		27.367	0.388	1482.	2.1
333	336.0	6.595	34.869	4.97		27.372	0.390	1482.	2.3
335	338.1	6.547	34.875	4.98		27.383	0.391	1482.	2.4
337	339.9	6.530	34.868	5.02		27.379	0.392	1482.	2.9
339	342.0	6.505	34.867	5.00		27.382	0.394	1482.	3.0
341	344.0	6.458	34.868	5.01		27.389	0.395	1482.	3.1
343	346.1	6.392	34.859	5.04		27.391	0.397	1482.	3.0
345	347.7	6.323	34.875	5.06		27.412	0.398	1482.	3.0
347	350.0	6.244	34.862	5.08		27.413	0.400	1481.	2.8
349	352.0	6.236	34.864	5.09		27.415	0.401	1481.	2.6
351	354.1	6.228	34.865	5.10		27.417	0.403	1481.	2.3
353	356.0	6.193	34.858	5.10		27.416	0.404	1481.	1.8
355	358.1	6.164	34.859	5.11		27.421	0.405	1481.	1.8
357	360.2	6.160	34.863	5.12		27.424	0.407	1481.	1.7
359	361.7	6.155	34.864	5.11		27.426	0.408	1481.	1.8
361	364.1	6.140	34.861	5.12		27.425	0.410	1481.	2.0
363	366.2	6.123	34.860	5.14		27.426	0.411	1481.	2.2
365	367.9	6.103	34.857	5.15		27.427	0.412	1481.	2.4
367	370.0	6.069	34.859	5.16		27.433	0.414	1481.	2.5
369	371.9	6.037	34.865	5.15		27.442	0.415	1481.	2.4
371	374.2	5.971	34.860	5.17		27.446	0.417	1481.	2.2
373	375.9	5.950	34.859	5.19		27.448	0.418	1481.	1.9
374	377.7	5.949	34.863	5.17		27.451	0.419	1481.	1.4
377	380.0	5.978	34.858	5.15		27.443	0.421	1481.	0.7
379	382.1	5.967	34.858	5.15		27.445	0.422	1481.	0.1
381	383.9	5.963	34.859	5.18		27.446	0.423	1481.	0.6
383	386.3	5.954	34.861	5.18		27.449	0.425	1481.	0.7
385	387.9	5.950	34.856	5.18		27.446	0.426	1481.	0.3
387	390.0	5.957	34.859	5.16		27.447	0.427	1481.	0.9
388	391.3	5.972	34.859	5.12		27.445	0.428	1481.	1.4
389	392.0	5.983	34.858	5.13		27.443	0.429	1481.	1.6
389	392.9	5.951	34.856	5.16		27.445	0.429	1481.	1.3
391	394.0	5.998	34.859	5.15		27.442	0.430	1481.	1.3
392	394.9	5.994	34.856	5.14		27.440	0.431	1481.	1.3
393	396.0	5.988	34.858	5.14		27.442	0.431	1481.	1.3
393	396.6	5.994	34.862	5.12		27.445	0.432	1481.	1.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	40	03 MAY 1981	21.3	40°31.4 N	67°42.5 W	285

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
0	0.0	5.966	32.666	7.04		25.713	0.000	1472.	0.1
3	2.7	5.966	32.666	7.04		25.713	0.006	1472.	0.1
4	3.8	5.961	32.663	7.06		25.711	0.009	1472.	0.1
6	5.9	5.961	32.661	7.05		25.710	0.013	1472.	0.1
8	8.0	5.959	32.661	7.04		25.710	0.018	1472.	0.1
10	10.0	5.956	32.661	7.03		25.711	0.023	1472.	1.0
12	12.0	5.959	32.661	7.01		25.710	0.027	1472.	1.4
14	14.0	5.958	32.664	7.00		25.712	0.032	1472.	1.8
16	16.0	5.955	32.665	6.99		25.714	0.036	1472.	2.7
18	17.9	5.946	32.670	7.00		25.718	0.041	1472.	4.2
20	20.1	5.945	32.672	7.01		25.720	0.046	1472.	5.6
22	21.8	5.932	32.680	6.97		25.728	0.050	1472.	6.5
24	24.1	5.864	32.712	6.98		25.761	0.055	1472.	7.1
26	26.0	5.730	32.778	7.00		25.830	0.059	1471.	7.5
28	28.0	5.523	32.830	7.00		25.895	0.063	1471.	7.8
30	29.9	5.473	32.850	6.95		25.917	0.067	1470.	7.7
32	32.2	5.444	32.870	6.87		25.936	0.072	1470.	7.3
34	33.8	5.418	32.904	6.82		25.966	0.075	1470.	6.7
36	36.1	5.408	32.961	6.80		26.013	0.080	1470.	6.3
38	38.0	5.400	32.976	6.78		26.026	0.083	1470.	6.4
40	40.0	5.452	33.017	6.70		26.052	0.087	1471.	6.2
42	41.9	5.508	33.042	6.69		26.065	0.091	1471.	6.1
44	44.1	5.606	33.095	6.67		26.095	0.095	1471.	6.4
46	45.9	5.765	33.157	6.63		26.125	0.099	1472.	6.6
48	47.9	5.881	33.187	6.61		26.135	0.103	1473.	6.5
50	50.1	6.415	33.322	6.47		26.174	0.107	1475.	6.5
51	51.8	7.120	33.524	6.38		26.240	0.110	1478.	6.3
54	54.0	7.304	33.554	6.32		26.238	0.114	1479.	6.1
56	56.1	7.422	33.590	6.32		26.250	0.117	1479.	5.9
57	57.9	7.538	33.639	6.32		26.272	0.121	1480.	5.4
59	59.7	7.567	33.668	6.26		26.291	0.124	1480.	5.0
61	62.0	7.583	33.695	6.21		26.310	0.127	1480.	5.0
64	64.1	7.371	33.683	6.27		26.330	0.131	1479.	4.8
65	65.9	7.195	33.658	6.25		26.335	0.134	1479.	4.3
67	67.9	7.068	33.658	6.22		26.353	0.138	1478.	3.9
69	70.0	7.046	33.662	6.20		26.359	0.141	1478.	3.5
71	72.1	7.043	33.666	6.19		26.362	0.144	1478.	3.3
73	74.0	7.039	33.670	6.17		26.366	0.148	1478.	3.7
75	76.1	7.045	33.680	6.17		26.373	0.151	1478.	4.6
77	78.1	7.077	33.692	6.17		26.378	0.154	1479.	5.8
79	80.0	7.156	33.720	6.08		26.390	0.158	1479.	6.9
81	82.1	7.416	33.813	6.03		26.426	0.161	1480.	7.6
83	84.1	7.723	33.946	5.95		26.487	0.164	1481.	7.9
85	85.9	8.119	34.110	5.82		26.557	0.167	1483.	7.9
88	88.3	8.331	34.218	5.79		26.610	0.170	1484.	7.5
89	90.0	8.205	34.213	5.72		26.625	0.173	1484.	6.8
91	91.9	8.305	34.253	5.63		26.642	0.175	1484.	5.8
94	94.3	8.617	34.334	5.53		26.657	0.179	1486.	4.9
95	95.6	8.708	34.357	5.49		26.661	0.181	1486.	4.2
97	98.0	8.653	34.361	5.51		26.672	0.184	1486.	3.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	40	03 MAY 1981	21.3	40°31.4 N	67°42.5 W	285

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	100.1	8.548	34.366	5.55		26.693	0.187	1485.	3.6
101	101.8	8.528	34.362	5.52		26.693	0.189	1485.	4.0
103	104.0	8.494	34.356	5.51		26.693	0.192	1485.	4.6
105	105.9	8.494	34.357	5.49		26.694	0.195	1485.	5.4
107	108.0	8.582	34.397	5.46		26.712	0.198	1486.	5.8
109	110.2	8.659	34.468	5.45		26.756	0.200	1486.	6.5
111	111.9	8.791	34.540	5.30		26.792	0.203	1487.	7.0
113	114.2	8.941	34.630	5.25		26.838	0.205	1487.	7.1
115	116.0	8.951	34.640	5.13		26.845	0.208	1487.	7.1
117	117.9	8.949	34.702	5.03		26.893	0.210	1488.	6.9
119	120.2	8.968	34.752	5.00		26.930	0.213	1488.	6.7
121	122.0	8.977	34.762	4.89		26.936	0.215	1488.	6.4
123	123.9	9.021	34.819	4.82		26.974	0.217	1488.	6.1
125	126.2	9.029	34.856	4.82		27.001	0.219	1488.	5.4
127	127.7	9.041	34.875	4.74		27.014	0.221	1488.	4.9
129	130.0	9.032	34.892	4.73		27.029	0.223	1488.	4.5
131	131.9	9.006	34.889	4.73		27.031	0.225	1488.	3.8
133	134.0	8.997	34.889	4.73		27.032	0.227	1488.	3.2
135	136.2	8.971	34.901	4.75		27.046	0.230	1488.	3.0
137	137.6	8.957	34.905	4.71		27.051	0.231	1488.	2.8
139	140.0	8.926	34.901	4.68		27.053	0.234	1488.	2.7
141	142.2	8.886	34.897	4.71		27.056	0.236	1488.	2.7
143	143.9	8.861	34.897	4.70		27.060	0.238	1488.	2.6
145	146.1	8.859	34.901	4.69		27.064	0.240	1488.	2.7
147	148.0	8.862	34.905	4.69		27.066	0.242	1488.	2.8
149	150.2	8.897	34.926	4.68		27.077	0.244	1488.	3.1
151	151.7	8.892	34.932	4.63		27.083	0.246	1488.	3.3
153	154.0	8.868	34.929	4.61		27.084	0.248	1488.	3.4
155	156.1	8.827	34.931	4.63		27.092	0.250	1488.	3.4
157	158.0	8.758	34.937	4.68		27.108	0.252	1488.	3.3
159	160.1	8.701	34.935	4.69		27.115	0.254	1488.	3.2
161	162.0	8.681	34.934	4.67		27.118	0.256	1488.	2.9
163	163.9	8.656	34.936	4.63		27.123	0.258	1488.	2.7
165	166.0	8.664	34.938	4.63		27.124	0.260	1488.	2.5
167	168.0	8.679	34.946	4.64		27.127	0.261	1488.	2.7
169	170.0	8.704	34.951	4.66		27.127	0.263	1488.	2.8
171	172.1	8.701	34.961	4.66		27.136	0.265	1488.	3.1
172	173.7	8.660	34.965	4.65		27.145	0.267	1488.	3.2
175	176.0	8.601	34.967	4.62		27.156	0.269	1488.	3.3
177	178.3	8.591	34.965	4.63		27.156	0.271	1488.	3.2
179	180.0	8.528	34.968	4.64		27.168	0.273	1487.	2.8
181	182.1	8.471	34.963	4.64		27.173	0.275	1487.	2.5
182	183.8	8.463	34.963	4.60		27.175	0.276	1487.	2.0
185	186.0	8.464	34.964	4.58		27.175	0.278	1487.	1.7
187	188.1	8.465	34.964	4.58		27.175	0.280	1487.	1.2
188	189.7	8.463	34.964	4.58		27.175	0.282	1487.	1.2
190	192.0	8.459	34.963	4.58		27.175	0.284	1487.	1.3
193	194.3	8.445	34.962	4.59		27.177	0.286	1487.	1.4
194	195.9	8.439	34.963	4.57		27.178	0.287	1487.	1.4
196	198.0	8.416	34.963	4.58		27.182	0.289	1487.	2.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	40	03 MAY 1981	21.3	40°31.4 N	67°42.5 W	285

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	200.2	8.397	34.959	4.59		27.182	0.291	1487.	2.7
200	201.9	8.384	34.957	4.57		27.182	0.293	1487.	3.2
202	204.0	8.372	34.955	4.58		27.182	0.295	1487.	3.4
205	206.3	8.252	34.957	4.61		27.202	0.297	1487.	3.6
206	207.9	8.175	34.965	4.60		27.221	0.298	1487.	3.6
208	210.0	8.123	34.963	4.61		27.227	0.300	1486.	3.5
210	212.2	8.092	34.962	4.61		27.230	0.302	1486.	3.1
212	213.7	8.076	34.960	4.62		27.231	0.303	1486.	2.4
214	216.1	8.061	34.962	4.62		27.235	0.305	1486.	1.9
216	217.9	8.053	34.962	4.61		27.236	0.307	1486.	1.6
218	220.2	8.051	34.962	4.59		27.237	0.309	1486.	1.5
220	221.9	8.048	34.963	4.58		27.238	0.310	1486.	1.4
222	223.8	8.045	34.964	4.56		27.239	0.312	1486.	1.3
224	226.1	8.034	34.964	4.55		27.241	0.314	1486.	1.2
226	227.9	8.030	34.964	4.57		27.241	0.316	1486.	1.2
228	229.8	8.028	34.964	4.58		27.242	0.317	1486.	1.1
230	232.0	8.024	34.964	4.58		27.242	0.319	1486.	0.9
232	233.9	8.021	34.965	4.58		27.243	0.321	1486.	0.8
234	235.8	8.016	34.964	4.57		27.243	0.322	1486.	0.7
236	238.0	7.993	34.960	4.57		27.243	0.324	1486.	0.6
238	240.3	7.994	34.960	4.57		27.243	0.326	1486.	0.5
240	241.9	7.993	34.959	4.64		27.243	0.328	1486.	0.3
242	244.0	8.006	34.962	4.64		27.243	0.329	1486.	0.2
244	246.3	8.000	34.961	4.64		27.243	0.331	1486.	0.2
246	248.0	8.004	34.962	4.65		27.243	0.333	1487.	0.2
248	250.0	8.005	34.962	4.63		27.243	0.335	1487.	0.4
249	251.3	7.998	34.960	4.63		27.243	0.336	1487.	0.6
250	251.8	7.991	34.959	4.62		27.243	0.336	1487.	0.9
251	253.0	7.998	34.960	4.62		27.243	0.337	1487.	1.1
253	255.0	8.007	34.963	4.63		27.244	0.339	1487.	1.3
254	256.1	7.995	34.962	4.62		27.245	0.340	1487.	1.5
255	256.9	7.984	34.961	4.59		27.246	0.340	1487.	1.6
256	258.0	7.951	34.956	4.59		27.247	0.341	1486.	1.7
257	259.0	7.929	34.953	4.58		27.248	0.342	1486.	1.8
258	260.0	7.923	34.953	4.59		27.249	0.343	1486.	1.8
259	261.0	7.926	34.955	4.58		27.250	0.344	1486.	1.7
260	261.9	7.927	34.956	4.59		27.251	0.345	1486.	1.7
261	262.9	7.927	34.957	4.60		27.251	0.346	1486.	1.6
262	264.0	7.931	34.959	4.59		27.252	0.347	1486.	1.6
263	265.0	7.931	34.960	4.58		27.253	0.347	1487.	1.6
264	266.0	7.935	34.962	4.59		27.254	0.348	1487.	1.6
265	266.8	7.940	34.963	4.61		27.254	0.349	1487.	1.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	41	03 MAY 1981	23.5	40°34.2 N	67°44.2 W	100

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
2	2.5	5.926	32.603	7.07		25.668	0.000	1471.	4.4
4	4.2	5.928	32.603	7.07		25.668	0.004	1471.	4.4
6	6.0	5.929	32.607	7.09		25.671	0.008	1472.	4.4
8	7.8	5.927	32.605	7.07		25.669	0.012	1472.	4.4
10	10.0	5.937	32.618	7.07		25.678	0.017	1472.	4.4
12	12.2	5.946	32.633	7.07		25.689	0.022	1472.	6.3
14	13.9	5.953	32.637	7.07		25.692	0.026	1472.	7.6
16	16.1	5.974	32.674	7.03		25.718	0.031	1472.	8.5
18	18.0	6.003	32.776	7.00		25.795	0.036	1472.	9.0
20	20.0	5.991	32.927	6.92		25.916	0.040	1472.	9.1
22	22.2	5.875	32.981	6.94		25.973	0.044	1472.	8.7
24	23.8	5.811	33.005	6.90		26.000	0.048	1472.	7.9
26	26.2	5.769	33.028	6.88		26.023	0.052	1472.	6.4
28	27.9	5.757	33.038	6.86		26.032	0.056	1472.	4.9
30	30.0	5.760	33.052	6.83		26.043	0.060	1472.	3.9
32	31.9	5.738	33.053	6.83		26.046	0.064	1472.	3.3
34	34.2	5.721	33.057	6.80		26.051	0.068	1472.	2.9
36	35.9	5.716	33.057	6.80		26.053	0.071	1472.	2.6
38	38.2	5.706	33.065	6.76		26.060	0.076	1472.	2.4
39	39.8	5.739	33.077	6.76		26.065	0.079	1472.	2.4
42	42.1	5.713	33.074	6.75		26.066	0.083	1472.	2.4
43	43.8	5.701	33.074	6.81		26.067	0.087	1472.	2.4
46	46.0	5.754	33.088	6.83		26.073	0.091	1472.	2.4
48	48.0	5.767	33.096	6.82		26.077	0.095	1472.	2.6
50	50.0	5.796	33.105	6.81		26.081	0.099	1472.	3.3
52	52.3	5.823	33.114	6.79		26.085	0.103	1473.	3.7
53	53.8	5.836	33.123	6.74		26.090	0.106	1473.	4.0
56	55.9	5.855	33.144	6.68		26.104	0.110	1473.	4.2
58	58.2	5.880	33.184	6.67		26.133	0.114	1473.	4.2
59	59.9	5.910	33.198	6.66		26.140	0.118	1473.	4.1
62	62.1	5.949	33.214	6.65		26.148	0.122	1473.	3.7
64	64.1	5.976	33.229	6.66		26.157	0.125	1473.	3.1
65	65.9	5.996	33.235	6.63		26.159	0.129	1474.	2.5
68	68.1	5.999	33.236	6.58		26.159	0.133	1474.	2.1
69	69.8	6.013	33.244	6.55		26.164	0.136	1474.	1.8
72	72.1	6.018	33.244	6.55		26.163	0.140	1474.	1.6
73	73.9	6.022	33.246	6.60		26.164	0.144	1474.	1.6
75	75.9	6.027	33.248	6.65		26.165	0.147	1474.	1.8
78	78.3	6.042	33.256	6.64		26.169	0.152	1474.	2.5
79	80.0	6.045	33.257	6.62		26.170	0.155	1474.	3.6
81	81.2	6.050	33.260	6.60		26.172	0.157	1474.	4.4
81	81.9	6.072	33.269	6.59		26.176	0.158	1474.	5.5
82	83.0	6.179	33.324	6.57		26.207	0.160	1475.	6.6
83	84.0	6.277	33.370	6.55		26.230	0.162	1475.	7.1
84	84.9	6.322	33.386	6.52		26.237	0.164	1475.	7.1
85	86.0	6.443	33.430	6.43		26.256	0.166	1476.	7.1
86	87.1	6.530	33.472	6.41		26.278	0.168	1476.	7.1
87	88.0	6.543	33.480	6.41		26.282	0.169	1476.	7.1
88	88.7	6.555	33.486	6.42		26.286	0.170	1476.	7.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	42	04 MAY 1981	00.4	40°39.7 N	67°45.4 W	78

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	2.0	6.044	32.939	6.98		25.919	0.000	1472.	2.0
4	4.0	6.044	32.940	6.99		25.920	0.004	1472.	2.0
6	6.1	6.040	32.946	6.93		25.925	0.008	1472.	2.0
8	7.9	6.034	32.948	6.90		25.928	0.012	1472.	2.0
10	10.1	6.029	32.951	6.86		25.930	0.017	1472.	2.0
12	11.8	6.026	32.952	6.85		25.931	0.020	1472.	1.6
14	14.0	6.018	32.955	6.84		25.935	0.025	1472.	1.5
16	16.0	6.012	32.957	6.84		25.937	0.029	1472.	1.7
18	18.1	6.013	32.957	6.88		25.937	0.033	1473.	2.3
20	19.9	6.032	32.950	6.86		25.929	0.037	1473.	2.7
22	22.1	6.007	32.959	6.86		25.939	0.041	1473.	3.0
24	24.2	5.986	32.968	6.86		25.949	0.046	1473.	3.1
26	25.8	5.943	32.984	6.85		25.967	0.049	1472.	3.1
28	27.9	5.933	32.987	6.81		25.971	0.053	1472.	2.9
30	30.0	5.931	32.989	6.83		25.972	0.058	1472.	2.4
32	32.0	5.931	32.989	6.83		25.973	0.062	1472.	1.8
34	34.0	5.932	32.989	6.80		25.972	0.066	1472.	1.0
36	36.0	5.932	32.989	6.79		25.973	0.070	1473.	0.8
38	38.1	5.932	32.990	6.82		25.973	0.074	1473.	0.7
40	40.0	5.932	32.991	6.83		25.974	0.078	1473.	0.7
42	42.0	5.932	32.991	6.84		25.974	0.082	1473.	0.8
44	44.1	5.932	32.992	6.84		25.974	0.086	1473.	0.8
46	45.9	5.933	32.992	6.84		25.974	0.090	1473.	0.8
48	48.1	5.932	32.992	6.84		25.975	0.094	1473.	0.8
50	50.2	5.932	32.994	6.84		25.976	0.099	1473.	0.8
51	51.2	5.933	32.994	6.82		25.976	0.101	1473.	0.9
52	52.0	5.933	32.993	6.79		25.976	0.102	1473.	0.9
53	53.0	5.930	32.994	6.78		25.976	0.104	1473.	1.0
54	54.0	5.927	32.993	6.79		25.976	0.106	1473.	0.9
55	55.0	5.923	32.994	6.79		25.977	0.108	1473.	0.9
56	56.1	5.923	32.994	6.79		25.977	0.110	1473.	0.8
56	56.9	5.923	32.994	6.80		25.978	0.112	1473.	0.5
58	58.0	5.924	32.994	6.80		25.977	0.114	1473.	0.4
59	59.0	5.924	32.994	6.78		25.977	0.116	1473.	0.1
59	60.0	5.927	32.994	6.77		25.977	0.118	1473.	0.1
61	61.0	5.926	32.994	6.77		25.977	0.120	1473.	0.4
62	62.1	5.924	32.994	6.79		25.977	0.122	1473.	0.5
62	62.9	5.922	32.994	6.80		25.978	0.124	1473.	0.6
63	64.0	5.921	32.994	6.80		25.977	0.126	1473.	0.6
65	65.0	5.920	32.994	6.82		25.978	0.128	1473.	0.4
66	66.0	5.921	32.994	6.82		25.978	0.131	1473.	0.4
66	67.0	5.921	32.994	6.82		25.978	0.132	1473.	0.4
68	68.1	5.923	32.993	6.83		25.977	0.135	1473.	0.4
68	69.0	5.921	32.994	6.84		25.978	0.137	1473.	0.4
69	69.8	5.919	32.994	6.84		25.978	0.138	1473.	0.4

STA 43 DAY: 4 TIME: 0211

DEPTH (m)	TEMP (°C)
1.0	5.8
2.9	5.8
8.8	5.8
13.6	5.8
18.5	5.8
23.4	5.8
28.2	5.8
33.1	5.8
37.0	5.7
41.8	5.5
45.7	5.4
53.5	5.5
57.3	5.4
62.2	5.4
68.0	5.4
73.8	5.4
78.6	5.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	44	04 MAY 1981	03.3	40°35.2 N	67°38.0 W	100

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
10	10.1	6.019	32.732	6.96		25.759	0.000	1472.	3.8
12	12.1	6.016	32.734	6.95		25.760	0.004	1472.	3.8
14	13.6	6.014	32.735	6.94		25.762	0.008	1472.	3.8
16	16.1	6.013	32.740	6.95		25.765	0.013	1472.	3.8
18	18.0	6.014	32.770	6.93		25.790	0.017	1472.	3.8
20	20.1	6.014	32.782	6.93		25.799	0.022	1472.	4.1
22	22.2	6.013	32.780	6.95		25.797	0.027	1472.	5.5
24	24.0	6.013	32.794	6.93		25.808	0.031	1472.	6.4
26	26.2	6.014	32.824	6.92		25.832	0.035	1472.	6.9
28	27.8	6.012	32.841	6.92		25.845	0.039	1473.	7.3
30	30.0	5.892	32.978	6.89		25.969	0.044	1472.	7.3
32	32.2	5.847	32.999	6.88		25.990	0.048	1472.	7.0
34	33.9	5.826	33.010	6.83		26.002	0.051	1472.	6.4
36	36.0	5.797	33.026	6.83		26.018	0.055	1472.	5.5
38	38.3	5.787	33.035	6.85		26.026	0.060	1472.	4.0
40	39.9	5.785	33.043	6.81		26.032	0.063	1472.	3.6
42	42.0	5.763	33.056	6.79		26.046	0.067	1472.	3.4
44	44.3	5.754	33.057	6.80		26.048	0.072	1472.	3.2
46	46.0	5.745	33.057	6.79		26.049	0.075	1472.	3.2
48	48.1	5.720	33.066	6.78		26.059	0.079	1472.	3.1
50	50.1	5.714	33.074	6.79		26.065	0.083	1472.	3.0
51	51.2	5.714	33.077	6.77		26.068	0.085	1472.	3.1
52	52.0	5.715	33.083	6.75		26.073	0.087	1472.	3.0
53	53.0	5.716	33.085	6.74		26.074	0.089	1472.	2.6
54	54.0	5.717	33.086	6.74		26.075	0.091	1472.	2.2
55	55.0	5.716	33.087	6.73		26.076	0.093	1472.	1.8
56	56.0	5.716	33.088	6.73		26.077	0.095	1472.	1.5
57	57.1	5.717	33.089	6.75		26.077	0.097	1472.	1.6
57	57.9	5.717	33.090	6.74		26.078	0.098	1472.	1.8
59	59.1	5.717	33.090	6.71		26.078	0.100	1472.	1.9
59	60.0	5.716	33.091	6.72		26.079	0.102	1472.	1.9
61	61.0	5.728	33.097	6.71		26.082	0.104	1472.	1.9
62	62.0	5.738	33.102	6.72		26.085	0.106	1472.	1.8
63	63.1	5.736	33.101	6.74		26.085	0.108	1472.	1.5
63	63.8	5.736	33.099	6.70		26.083	0.110	1472.	1.3
64	65.0	5.738	33.102	6.67		26.085	0.112	1472.	0.8
66	66.0	5.739	33.102	6.68		26.085	0.114	1472.	0.7
67	67.0	5.743	33.099	6.69		26.083	0.116	1472.	0.7
68	68.1	5.741	33.103	6.71		26.086	0.118	1472.	0.7
68	68.9	5.740	33.103	6.72		26.086	0.119	1472.	0.7
69	70.0	5.744	33.104	6.70		26.086	0.121	1472.	0.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	45	04 MAY 1981	04.7	40° 31.7 N	67° 37.1 W	135

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
0	0.0	5.777	32.600	7.10		25.684	0.000	1471.	0.9
3	2.8	5.777	32.600	7.10		25.684	0.006	1471.	0.9
4	4.1	5.777	32.598	7.08		25.682	0.009	1471.	0.9
6	6.0	5.778	32.601	6.99		25.685	0.014	1471.	0.9
8	8.0	5.777	32.602	6.99		25.685	0.018	1471.	0.9
10	9.9	5.776	32.602	7.00		25.686	0.023	1471.	0.9
12	12.1	5.776	32.602	7.01		25.686	0.028	1471.	0.9
14	13.8	5.775	32.603	7.02		25.687	0.032	1471.	0.6
16	16.1	5.775	32.604	7.04		25.687	0.037	1471.	0.5
18	17.7	5.775	32.604	7.04		25.687	0.041	1471.	0.5
20	20.1	5.775	32.604	7.01		25.687	0.046	1471.	0.4
22	22.1	5.775	32.603	7.02		25.686	0.051	1471.	0.5
24	23.7	5.776	32.604	7.02		25.687	0.055	1471.	0.7
26	26.1	5.777	32.604	6.99		25.687	0.060	1471.	0.9
28	28.3	5.776	32.604	7.01		25.687	0.065	1471.	1.0
30	29.8	5.776	32.606	6.97		25.689	0.068	1471.	1.1
32	32.0	5.776	32.608	6.97		25.690	0.074	1471.	1.2
34	34.2	5.776	32.609	6.99		25.691	0.079	1471.	1.2
36	36.0	5.777	32.610	7.00		25.692	0.083	1471.	1.2
38	37.9	5.778	32.611	6.98		25.692	0.087	1471.	1.2
40	40.3	5.776	32.613	6.99		25.694	0.093	1471.	1.4
42	41.9	5.777	32.612	7.00		25.693	0.096	1472.	1.7
44	44.0	5.777	32.613	7.01		25.694	0.101	1472.	2.0
46	46.3	5.773	32.618	7.02		25.699	0.106	1472.	2.3
48	47.9	5.769	32.621	7.03		25.702	0.110	1472.	2.6
50	49.9	5.762	32.628	7.01		25.708	0.114	1472.	3.2
52	52.1	5.757	32.635	6.99		25.714	0.120	1472.	4.0
53	53.8	5.755	32.638	7.01		25.716	0.123	1472.	5.3
56	56.2	5.745	32.654	7.00		25.730	0.129	1472.	6.8
57	57.9	5.733	32.678	6.95		25.751	0.133	1472.	8.3
60	60.0	5.705	32.727	6.92		25.793	0.137	1472.	9.3
62	62.0	5.638	32.816	6.91		25.871	0.142	1472.	9.7
63	63.9	5.553	32.939	6.88		25.978	0.146	1471.	9.7
66	66.1	5.515	33.056	6.85		26.075	0.150	1471.	9.2
67	67.9	5.540	33.108	6.71		26.113	0.153	1472.	8.3
69	70.0	5.569	33.124	6.56		26.123	0.157	1472.	6.9
72	72.1	5.596	33.139	6.54		26.131	0.161	1472.	5.2
73	73.8	5.632	33.157	6.56		26.141	0.164	1472.	4.0
75	76.0	5.671	33.170	6.56		26.147	0.169	1472.	3.6
77	77.9	5.709	33.183	6.56		26.153	0.172	1473.	3.6
79	79.8	5.725	33.193	6.59		26.159	0.176	1473.	3.6
81	82.1	5.803	33.224	6.55		26.174	0.180	1473.	3.6
83	84.1	5.852	33.245	6.54		26.184	0.184	1473.	3.6
85	86.0	5.861	33.249	6.48		26.186	0.187	1473.	3.5
88	88.3	5.890	33.268	6.47		26.198	0.191	1474.	3.3
89	89.7	5.885	33.275	6.47		26.204	0.194	1474.	3.0
91	92.0	5.855	33.277	6.45		26.209	0.198	1473.	2.7
93	94.1	5.848	33.281	6.45		26.214	0.202	1474.	2.5
95	95.9	5.849	33.284	6.46		26.215	0.205	1474.	2.7
97	98.0	5.852	33.287	6.45		26.218	0.209	1474.	3.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	45	04 MAY 1981	04.7	40° 31.7 N	67° 37.1 W	135

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	5.854	33.289	6.44		26.219	0.212	1474.	4.1
101	102.0	5.868	33.295	6.40		26.221	0.216	1474.	4.7
103	104.1	6.068	33.358	6.36		26.247	0.220	1475.	5.1
105	105.9	6.458	33.477	6.31		26.291	0.223	1476.	5.4
107	108.1	6.652	33.515	6.29		26.296	0.227	1477.	5.6
109	110.2	6.873	33.595	6.26		26.329	0.230	1478.	5.6
110	111.2	6.957	33.607	6.21		26.328	0.232	1479.	5.4
111	112.0	6.970	33.612	6.19		26.330	0.233	1479.	5.2
112	113.0	7.024	33.631	6.17		26.337	0.235	1479.	5.7
113	114.0	7.128	33.667	6.17		26.351	0.237	1479.	5.8
114	115.1	7.240	33.711	6.14		26.370	0.239	1480.	6.2
115	116.0	7.383	33.750	6.12		26.381	0.240	1480.	6.3
116	116.9	7.594	33.808	6.03		26.397	0.242	1481.	6.6
117	118.0	7.782	33.854	6.01		26.406	0.243	1482.	6.7
118	119.1	7.804	33.874	6.02		26.419	0.245	1482.	6.4
119	120.1	7.788	33.885	6.06		26.429	0.247	1482.	6.7
120	121.1	8.131	33.993	5.97		26.464	0.248	1484.	6.7
121	121.8	8.271	34.022	5.96		26.465	0.250	1484.	6.7
122	123.0	8.438	34.058	5.96		26.468	0.251	1485.	6.7
123	123.8	8.515	34.116	5.94		26.502	0.253	1485.	6.7

STA 46 DAY: 4 TIME: 0538

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	5.8	140.3	9.1
3.9	5.8	142.2	9.0
6.8	5.8	144.1	9.0
10.7	5.8		
14.6	5.8		
17.5	5.9		
21.4	5.9		
27.3	5.9		
33.1	5.9		
37.9	5.9		
40.9	5.9		
45.7	5.9		
51.5	6.0		
55.4	6.0		
60.2	6.0		
65.1	6.0		
69.0	6.0		
72.8	5.9		
76.7	5.9		
78.6	5.7		
81.5	5.5		
84.4	5.3		
85.4	5.2		
87.3	5.4		
87.3	5.8		
89.2	6.2		
90.2	6.7		
91.2	7.1		
92.1	7.3		
93.1	7.5		
95.0	7.8		
97.0	8.0		
97.9	8.1		
102.8	8.2		
103.7	8.4		
104.7	8.5		
105.6	8.7		
107.6	8.7		
110.5	8.7		
113.4	8.7		
115.3	8.8		
116.2	9.0		
119.1	9.0		
122.0	9.0		
123.9	9.1		
125.9	9.2		
129.7	9.2		
131.6	9.1		
134.5	9.1		
137.4	9.1		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	47	04 MAY 1981	06.4	40 25.7 N	67 34.7 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
0	0.0	7.747	33.118	6.85		25.833	0.000	1479.	1.0
3	2.8	7.747	33.118	6.85		25.833	0.006	1479.	1.0
4	4.0	7.746	33.117	6.85		25.832	0.009	1479.	1.0
6	6.1	7.746	33.117	6.81		25.832	0.013	1479.	1.0
8	8.0	7.757	33.123	6.83		25.835	0.017	1479.	1.0
10	9.9	7.756	33.123	6.77		25.835	0.021	1479.	1.2
12	12.2	7.755	33.123	6.82		25.836	0.026	1479.	1.4
14	13.7	7.756	33.126	6.80		25.837	0.029	1479.	1.6
16	16.1	7.757	33.125	6.83		25.837	0.035	1479.	1.8
18	17.8	7.759	33.130	6.83		25.840	0.038	1480.	2.1
20	20.1	7.766	33.135	6.85		25.844	0.043	1480.	2.5
22	21.7	7.771	33.141	6.82		25.848	0.047	1480.	2.9
24	24.1	7.774	33.146	6.88		25.851	0.052	1480.	3.5
26	25.8	7.760	33.152	6.95		25.858	0.055	1480.	4.0
28	28.0	7.722	33.160	6.89		25.869	0.060	1480.	5.0
30	30.2	7.678	33.169	6.93		25.883	0.065	1479.	6.1
32	32.0	7.648	33.191	6.68		25.904	0.069	1479.	8.3
34	34.0	7.646	33.223	6.56		25.930	0.073	1479.	9.9
35	35.7	7.743	33.314	6.42		25.987	0.076	1480.	10.8
38	38.0	8.253	33.504	6.30		26.062	0.081	1482.	11.1
40	40.2	11.175	34.411	5.85		26.286	0.085	1494.	10.8
42	41.9	12.188	34.777	5.86		26.381	0.088	1498.	10.3
44	44.0	13.869	35.218	5.56		26.384	0.091	1504.	9.1
46	46.1	13.850	35.228	5.51		26.395	0.095	1504.	7.5
48	48.0	11.032	34.531	5.90		26.405	0.098	1494.	5.5
50	50.0	9.935	34.332	6.06		26.442	0.101	1490.	4.9
52	52.1	9.974	34.342	6.03		26.443	0.104	1490.	5.1
54	54.1	9.491	34.240	5.94		26.444	0.107	1488.	5.1
56	56.2	9.363	34.263	5.95		26.483	0.111	1488.	4.9
57	57.8	9.451	34.293	5.89		26.492	0.113	1488.	4.5
60	60.2	9.864	34.402	5.82		26.509	0.117	1490.	4.3
61	61.9	10.321	34.518	5.72		26.521	0.120	1491.	3.8
64	64.1	11.179	34.724	5.64		26.528	0.123	1495.	2.9
65	66.0	11.450	34.788	5.62		26.528	0.126	1496.	2.3
67	68.0	11.437	34.785	5.59		26.528	0.129	1496.	3.1
69	70.0	11.390	34.773	5.61		26.528	0.132	1496.	3.6
71	72.0	11.410	34.778	5.61		26.528	0.135	1496.	4.0
73	74.0	11.534	34.808	5.56		26.528	0.138	1496.	4.3
75	75.9	12.094	35.032	5.49		26.596	0.141	1498.	4.5
77	78.0	13.042	35.275	5.36		26.598	0.144	1502.	4.7
79	79.9	13.227	35.325	5.30		26.599	0.146	1503.	4.7
81	82.1	12.909	35.243	5.31		26.601	0.150	1502.	4.5
83	83.9	12.383	35.135	5.20		26.621	0.152	1500.	4.0
85	86.0	12.043	35.065	5.23		26.632	0.155	1498.	4.2
87	88.0	11.845	35.036	5.31		26.647	0.158	1498.	4.2
89	89.9	11.752	35.025	5.33		26.656	0.161	1497.	4.1
91	92.0	11.695	35.024	5.32		26.666	0.164	1497.	3.6
93	94.2	11.660	35.027	5.32		26.676	0.167	1497.	3.3
95	96.0	11.635	35.028	5.38		26.681	0.169	1497.	3.1
97	98.0	11.623	35.028	5.36		26.683	0.172	1497.	3.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	47	04 MAY 1981	06.4	40 25.7 N	67 34.7 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
99	100.1	11.645	35.037	5.32		26.686	0.175	1497.	3.0
101	101.9	11.649	35.041	5.18		26.688	0.177	1497.	3.0
103	104.1	11.745	35.082	5.15		26.702	0.180	1498.	3.0
105	105.8	11.821	35.115	5.19		26.713	0.182	1498.	2.9
107	107.9	11.820	35.114	5.15		26.713	0.185	1498.	2.6
109	110.1	11.777	35.110	5.13		26.717	0.188	1498.	2.2
111	111.9	11.763	35.108	5.14		26.719	0.191	1498.	1.6
113	113.9	11.769	35.109	5.11		26.718	0.193	1498.	1.2
115	116.1	11.769	35.109	5.07		26.718	0.196	1498.	1.2
117	117.9	11.763	35.108	5.17		26.718	0.199	1498.	1.2
119	120.0	11.747	35.103	5.17		26.718	0.202	1498.	1.5
121	122.2	11.719	35.102	5.17		26.722	0.205	1498.	1.7
123	123.8	11.708	35.099	5.07		26.722	0.207	1498.	1.9
125	126.1	11.661	35.093	5.03		26.727	0.210	1498.	1.9
127	127.9	11.654	35.095	5.14		26.729	0.212	1498.	1.9
129	130.0	11.640	35.095	5.17		26.732	0.215	1498.	2.2
131	132.0	11.608	35.090	5.14		26.734	0.218	1498.	2.3
133	133.8	11.588	35.085	5.16		26.733	0.220	1498.	2.4
135	136.0	11.552	35.080	5.18		26.736	0.223	1498.	2.8
137	138.2	11.464	35.075	5.19		26.749	0.226	1497.	3.2
139	139.6	11.354	35.047	5.17		26.748	0.228	1497.	3.6
140	141.2	11.213	35.020	5.12		26.753	0.230	1496.	4.2
141	142.0	11.111	35.015	5.13		26.767	0.231	1496.	5.7
142	143.0	11.041	35.008	5.14		26.775	0.232	1496.	7.3
143	144.1	10.877	34.978	5.16		26.781	0.234	1495.	8.2
144	144.9	10.657	34.948	5.01		26.797	0.235	1494.	8.2
145	146.0	10.221	34.942	4.99		26.869	0.236	1493.	8.2
146	147.0	10.020	34.945	4.98		26.906	0.237	1492.	8.2
147	148.1	10.023	34.935	4.96		26.897	0.238	1492.	8.2

STA 48 DAY: 4 TIME: 0708

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	7.2	58.3	11.9	81.5	9.9	155.6	9.3
1.9	7.3	58.3	11.8	82.5	10.0	159.4	9.3
2.9	7.3	58.3	11.8	83.5	10.1	162.3	9.3
4.9	7.3	59.3	11.7	83.5	10.2	166.2	9.3
6.8	7.3	60.2	11.6	84.4	10.2	170.0	9.3
7.8	7.3	60.2	11.4	86.4	10.2	172.9	9.3
8.8	7.3	60.2	11.3	87.3	10.2	175.7	9.3
11.7	7.4	60.2	11.1	88.3	10.3	177.6	9.3
14.6	7.4	61.2	10.9	89.2	10.4		
18.5	7.4	61.2	10.7	89.2	10.5		
21.4	7.4	61.2	10.6	90.2	10.6		
24.3	7.4	62.2	10.5	92.1	10.6		
28.2	7.4	63.1	10.4	94.1	10.6		
31.1	7.4	63.1	10.2	97.0	10.6		
34.1	7.4	64.1	10.2	98.9	10.7		
36.0	7.4	65.1	10.0	99.9	10.7		
37.9	7.4	65.1	9.8	101.8	10.8		
38.9	7.5	66.0	9.7	101.8	11.0		
40.9	7.5	66.0	9.4	102.8	11.1		
41.8	7.6	66.0	9.2	104.7	11.1		
42.8	7.6	66.0	9.1	106.6	11.1		
43.8	7.8	67.0	8.9	108.5	11.2		
43.8	7.8	67.0	8.8	110.5	11.2		
44.7	7.9	68.0	8.6	112.4	11.2		
44.7	8.0	68.0	8.5	113.4	11.2		
45.7	8.2	69.0	8.6	114.3	11.1		
46.7	8.4	69.9	8.8	115.3	11.0		
47.6	8.6	70.9	9.0	115.3	10.9		
48.6	8.8	70.9	9.2	116.2	10.8		
48.6	9.0	71.9	9.5	117.2	10.7		
48.6	9.1	72.8	9.5	118.2	10.7		
48.6	9.3	72.8	9.8	120.1	10.6		
48.6	9.5	72.8	10.0	121.1	10.5		
48.6	9.8	73.8	10.2	122.0	10.4		
49.6	9.9	74.8	10.3	123.0	10.3		
49.6	10.1	74.8	10.3	123.0	10.1		
49.6	10.3	75.7	10.4	123.9	10.0		
49.6	10.6	75.7	10.6	123.9	9.8		
49.6	10.8	75.7	10.7	123.9	9.7		
50.6	11.1	75.7	10.8	123.9	9.5		
50.6	11.3	77.7	10.8	124.9	9.4		
50.6	11.5	78.6	10.8	126.8	9.4		
51.5	11.7	78.6	10.7	127.8	9.3		
52.5	11.9	78.6	10.6	131.6	9.3		
53.5	12.1	79.6	10.4	134.5	9.3		
53.5	12.2	79.6	10.2	139.3	9.3		
54.4	12.2	80.6	10.1	141.2	9.3		
56.4	12.2	79.6	10.0	145.1	9.3		
57.3	12.2	80.6	9.9	148.9	9.3		
58.3	12.1	81.5	9.9	151.8	9.3		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	49	04 MAY 1981	07.6	40°22.4 N	67°32.9 W	315

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	3.0	7.979	33.311	6.85		25.951	0.000	1480.	0.8
4	3.9	7.981	33.309	6.81		25.949	0.002	1480.	0.8
6	6.0	7.982	33.309	6.76		25.949	0.006	1480.	0.8
8	7.9	7.980	33.311	6.81		25.951	0.010	1480.	0.8
10	10.0	7.982	33.312	6.76		25.951	0.014	1480.	0.8
12	12.2	7.982	33.312	6.76		25.952	0.019	1481.	1.1
14	13.9	7.983	33.312	6.77		25.951	0.022	1481.	1.4
16	16.1	7.986	33.314	6.78		25.952	0.027	1481.	1.7
18	17.9	7.987	33.315	6.81		25.953	0.030	1481.	1.9
20	20.1	8.000	33.322	6.78		25.957	0.035	1481.	2.2
22	22.0	8.032	33.336	6.77		25.963	0.039	1481.	2.6
24	24.0	8.059	33.344	6.73		25.965	0.043	1481.	3.7
26	26.3	8.074	33.352	6.71		25.969	0.048	1481.	5.4
28	27.9	8.096	33.361	6.68		25.973	0.051	1481.	7.2
30	30.1	8.125	33.388	6.65		25.990	0.055	1481.	8.2
32	31.8	7.884	33.417	6.73		26.048	0.059	1481.	8.9
34	34.0	7.191	33.416	6.76		26.145	0.063	1478.	9.1
36	36.0	6.916	33.508	6.69		26.255	0.067	1477.	8.9
38	37.8	7.002	33.550	6.53		26.276	0.070	1477.	8.5
40	40.1	7.246	33.617	6.35		26.296	0.074	1479.	8.0
41	41.8	7.357	33.650	6.34		26.306	0.077	1479.	7.5
44	44.1	7.271	33.666	6.35		26.331	0.081	1479.	7.2
46	45.9	7.449	33.750	6.29		26.372	0.084	1480.	7.5
48	47.9	8.016	33.943	6.11		26.442	0.087	1482.	7.8
50	49.9	8.491	34.097	5.96		26.491	0.090	1484.	7.9
52	52.1	8.599	34.140	5.94		26.508	0.093	1485.	7.7
53	53.7	8.892	34.237	5.75		26.538	0.096	1486.	7.3
56	56.0	9.383	34.390	5.54		26.579	0.099	1488.	6.8
58	58.2	9.523	34.471	5.50		26.619	0.102	1488.	6.6
59	59.9	9.545	34.487	5.35		26.628	0.105	1489.	6.5
62	62.0	9.679	34.556	5.29		26.660	0.108	1489.	6.1
63	63.8	9.812	34.610	5.31		26.680	0.110	1490.	5.6
65	66.0	10.035	34.688	5.26		26.703	0.113	1491.	5.1
68	68.0	10.274	34.771	5.24		26.727	0.116	1492.	5.1
69	70.0	10.299	34.782	5.19		26.731	0.118	1492.	5.1
72	72.2	10.329	34.795	5.18		26.735	0.121	1492.	5.1
73	74.0	10.283	34.792	5.28		26.741	0.124	1492.	5.3
76	76.1	10.288	34.849	5.28		26.785	0.126	1492.	5.5
77	77.7	10.367	34.893	5.19		26.806	0.128	1492.	5.6
79	80.1	10.541	34.954	5.05		26.822	0.131	1493.	5.5
81	82.0	10.777	35.041	5.01		26.848	0.134	1494.	5.2
83	83.8	10.976	35.104	4.98		26.861	0.136	1495.	4.7
85	86.0	11.063	35.134	5.02		26.869	0.138	1495.	4.4
87	88.0	11.180	35.179	5.08		26.882	0.141	1496.	4.2
89	90.0	11.317	35.216	5.03		26.886	0.143	1496.	4.2
91	92.1	11.304	35.230	5.07		26.900	0.146	1496.	4.2
93	94.1	11.358	35.260	5.04		26.913	0.148	1496.	4.3
95	96.0	11.261	35.250	4.93		26.923	0.150	1496.	4.2
97	98.1	11.458	35.323	4.94		26.944	0.153	1497.	3.9
99	100.1	11.598	35.370	4.94		26.953	0.155	1498.	3.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	49	04 MAY 1981	07.6	40°22.4 N	67°32.9 W	315

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
101	101.8	11.725	35.405	4.84		26.957	0.157	1498.	3.2
103	104.1	11.908	35.455	4.85		26.961	0.159	1499.	2.9
105	105.9	11.938	35.460	4.92		26.959	0.161	1499.	2.5
107	107.8	12.002	35.487	4.96		26.968	0.163	1499.	2.3
109	110.0	12.161	35.530	5.01		26.970	0.166	1500.	2.2
111	112.3	12.117	35.526	5.04		26.976	0.168	1500.	2.2
113	113.8	12.086	35.521	4.91		26.978	0.170	1500.	2.2
115	116.0	12.006	35.502	4.90		26.979	0.172	1499.	2.2
117	118.0	11.939	35.486	4.94		26.979	0.174	1499.	2.3
119	119.8	11.946	35.493	4.94		26.983	0.176	1499.	2.5
121	122.0	11.978	35.508	4.94		26.988	0.179	1499.	2.6
123	124.3	11.938	35.504	4.94		26.993	0.181	1499.	2.7
125	125.9	11.909	35.503	4.79		26.998	0.183	1499.	2.8
127	128.0	11.683	35.459	4.75		27.007	0.185	1498.	2.9
129	130.2	11.539	35.427	4.76		27.009	0.188	1498.	3.0
131	131.9	11.498	35.414	4.71		27.007	0.190	1498.	3.0
133	134.0	11.523	35.438	4.63		27.021	0.192	1498.	3.0
135	136.2	11.422	35.421	4.64		27.027	0.194	1498.	2.9
137	137.9	11.398	35.421	4.56		27.031	0.196	1498.	3.0
139	140.2	11.424	35.435	4.55		27.037	0.198	1498.	2.9
141	141.7	11.462	35.448	4.56		27.040	0.200	1498.	2.7
143	144.2	11.558	35.478	4.50		27.045	0.203	1498.	2.7
145	145.8	11.594	35.492	4.52		27.049	0.204	1498.	2.5
147	148.2	11.391	35.445	4.54		27.051	0.207	1498.	2.3
149	149.9	11.245	35.423	4.49		27.061	0.208	1497.	2.3
151	152.2	11.141	35.398	4.48		27.060	0.211	1497.	2.3
153	153.9	11.109	35.391	4.49		27.060	0.213	1497.	2.5
155	156.3	11.056	35.376	4.50		27.059	0.215	1497.	2.7
157	158.0	10.915	35.354	4.51		27.067	0.217	1496.	2.8
159	160.0	10.794	35.335	4.49		27.074	0.219	1496.	2.9
161	162.2	10.602	35.304	4.45		27.085	0.221	1495.	2.9
163	163.9	10.550	35.298	4.37		27.089	0.223	1495.	3.0
165	166.1	10.497	35.288	4.37		27.091	0.225	1495.	2.8
167	168.1	10.460	35.278	4.35		27.090	0.227	1495.	2.7
168	169.8	10.349	35.259	4.28		27.094	0.229	1494.	2.8
171	172.1	10.428	35.296	4.23		27.109	0.231	1495.	2.9
173	174.0	10.474	35.304	4.18		27.107	0.233	1495.	2.9
174	175.8	10.310	35.274	4.14		27.113	0.235	1494.	2.8
177	178.0	10.242	35.272	4.12		27.123	0.237	1494.	2.8
179	180.1	10.301	35.289	4.11		27.126	0.239	1494.	2.9
180	181.8	10.320	35.294	4.03		27.126	0.240	1494.	3.1
182	183.9	10.205	35.269	4.00		27.127	0.242	1494.	3.1
185	186.1	10.078	35.261	4.02		27.143	0.244	1493.	3.3
186	187.9	10.083	35.269	4.02		27.148	0.246	1494.	3.7
188	190.0	10.026	35.266	3.95		27.156	0.248	1493.	3.9
190	192.1	9.915	35.252	3.97		27.164	0.250	1493.	4.0
192	194.0	9.719	35.222	3.98		27.174	0.252	1492.	4.0
194	196.0	9.564	35.210	3.91		27.191	0.254	1492.	4.0
196	197.9	9.471	35.196	3.87		27.195	0.256	1491.	3.9
198	200.0	9.310	35.181	3.87		27.210	0.257	1491.	3.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	49	04 MAY 1981	07.6	40°22.4 N	67°32.9 W	315

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
200	202.1	9.256	35.177	3.86		27.215	0.259	1491.	3.4
202	203.9	9.218	35.174	3.82		27.219	0.261	1491.	3.0
204	206.0	9.147	35.169	3.81		27.227	0.263	1490.	2.8
206	208.1	9.096	35.160	3.84		27.229	0.265	1490.	2.6
208	209.9	9.074	35.159	3.87		27.231	0.266	1490.	2.5
210	212.1	9.039	35.156	3.87		27.234	0.268	1490.	2.4
212	213.8	8.991	35.150	3.88		27.237	0.270	1490.	2.4
214	216.1	8.902	35.139	3.86		27.243	0.271	1490.	2.6
216	218.2	8.878	35.138	3.87		27.247	0.273	1490.	2.9
218	219.8	8.874	35.139	3.87		27.248	0.275	1490.	3.1
220	222.0	8.835	35.137	3.87		27.252	0.277	1489.	3.1
222	224.3	8.711	35.128	3.87		27.265	0.278	1489.	3.2
224	226.0	8.616	35.123	3.89		27.276	0.280	1489.	3.3
226	228.1	8.562	35.117	3.89		27.280	0.282	1488.	3.3
228	230.1	8.557	35.117	3.88		27.280	0.283	1488.	3.4
230	232.0	8.505	35.113	3.86		27.286	0.285	1488.	3.3
232	234.0	8.356	35.098	3.88		27.297	0.286	1488.	3.3
234	236.1	8.272	35.091	3.90		27.304	0.288	1487.	3.4
236	237.9	8.153	35.081	3.92		27.315	0.290	1487.	3.5
238	240.0	8.109	35.077	3.90		27.318	0.291	1487.	3.5
240	242.1	8.054	35.075	3.91		27.325	0.293	1487.	3.6
242	244.0	8.011	35.074	3.97		27.330	0.294	1487.	3.6
244	246.1	7.885	35.061	3.99		27.339	0.296	1486.	3.5
246	247.9	7.737	35.047	4.03		27.350	0.297	1486.	3.3
248	250.0	7.655	35.046	4.02		27.362	0.299	1485.	3.1
250	251.9	7.646	35.048	4.01		27.365	0.300	1485.	2.7
252	254.3	7.646	35.049	3.99		27.365	0.302	1485.	2.1
254	255.7	7.645	35.048	4.04		27.365	0.303	1485.	1.5
256	258.0	7.638	35.049	4.03		27.366	0.305	1485.	0.9
258	260.2	7.636	35.048	4.03		27.366	0.307	1485.	0.8
260	261.9	7.634	35.048	4.01		27.366	0.308	1485.	0.8
262	264.0	7.632	35.048	3.99		27.366	0.309	1485.	0.7
264	266.1	7.628	35.048	4.02		27.367	0.311	1485.	0.7
266	268.0	7.627	35.048	4.03		27.367	0.312	1486.	1.0
268	270.1	7.625	35.048	4.03		27.367	0.314	1486.	1.3
270	272.0	7.622	35.046	4.04		27.367	0.315	1486.	1.5
272	274.0	7.592	35.044	4.05		27.369	0.317	1485.	1.6
274	276.2	7.558	35.041	4.04		27.372	0.319	1485.	1.7
276	277.9	7.549	35.043	4.06		27.375	0.320	1485.	1.8
278	279.9	7.534	35.043	4.04		27.377	0.321	1485.	1.9
280	282.0	7.516	35.039	4.04		27.377	0.323	1485.	1.9
282	283.9	7.503	35.039	4.08		27.378	0.324	1485.	1.9
284	285.9	7.472	35.037	4.05		27.382	0.326	1485.	1.9
286	288.1	7.441	35.035	4.03		27.384	0.327	1485.	1.9
288	290.0	7.419	35.035	4.09		27.388	0.329	1485.	2.2
290	292.0	7.414	35.036	4.15		27.389	0.330	1485.	2.3
292	294.1	7.408	35.038	4.15		27.391	0.332	1485.	2.3
293	295.7	7.387	35.035	4.17		27.392	0.333	1485.	2.5
295	298.0	7.314	35.034	4.16		27.402	0.334	1485.	2.6
298	300.2	7.288	35.032	4.16		27.404	0.336	1485.	2.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	49	04 MAY 1981	07.6	40°22.4 N	67°32.9 W	315

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
299	301.2	7.265	35.032	4.18		27.407	0.337	1485.	3.2
299	302.0	7.242	35.033	4.22		27.411	0.337	1485.	3.4
300	303.0	7.224	35.032	4.21		27.413	0.338	1485.	3.4
301	304.0	7.171	35.035	4.21		27.423	0.339	1484.	3.4
302	305.0	7.140	35.034	4.21		27.426	0.339	1484.	3.4
303	305.8	7.131	35.033	4.20		27.426	0.340	1484.	3.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	51	04 MAY 1981	08.6	40°21.1 N	67°31.9 W	625

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	4.0	8.854	33.621	6.61		26.062	0.000	1484.	2.5
6	5.9	8.861	33.622	6.60		26.061	0.004	1484.	2.5
8	8.1	8.863	33.622	6.62		26.061	0.008	1484.	2.5
10	9.8	8.864	33.624	6.60		26.063	0.011	1484.	2.5
12	12.0	8.880	33.635	6.44		26.068	0.016	1484.	2.5
14	14.1	8.923	33.655	6.48		26.078	0.020	1484.	2.7
16	16.0	8.951	33.670	6.53		26.085	0.023	1485.	2.7
18	18.0	8.966	33.676	6.55		26.087	0.027	1485.	2.6
20	20.1	8.975	33.679	6.53		26.088	0.031	1485.	2.4
22	22.0	8.982	33.685	6.56		26.092	0.035	1485.	2.2
24	23.9	9.006	33.696	6.47		26.096	0.039	1485.	2.0
26	26.1	9.019	33.703	6.50		26.100	0.043	1485.	1.9
28	28.0	9.024	33.705	6.49		26.101	0.046	1485.	1.8
30	30.1	9.027	33.708	6.47		26.102	0.050	1485.	1.6
32	31.8	9.037	33.710	6.41		26.103	0.054	1485.	1.4
34	34.1	9.051	33.716	6.37		26.105	0.058	1485.	1.5
36	36.2	9.047	33.717	6.46		26.106	0.062	1485.	2.7
37	37.8	9.040	33.715	6.43		26.106	0.065	1485.	5.1
40	40.0	8.998	33.709	6.40		26.108	0.069	1485.	6.6
42	42.0	8.816	33.677	6.48		26.111	0.073	1485.	7.5
44	44.0	8.462	33.666	6.56		26.157	0.077	1483.	8.3
46	46.1	8.252	33.810	6.54		26.302	0.080	1483.	8.7
48	48.1	8.314	33.864	6.42		26.335	0.084	1483.	8.8
49	49.8	8.454	33.918	6.27		26.356	0.087	1484.	8.5
52	52.0	8.755	34.038	6.16		26.404	0.090	1485.	7.9
54	54.3	8.889	34.120	6.12		26.447	0.094	1486.	7.1
55	55.8	8.871	34.127	6.04		26.455	0.096	1486.	6.9
57	57.9	8.869	34.164	5.99		26.485	0.100	1486.	6.9
60	60.0	8.972	34.240	5.94		26.528	0.103	1486.	6.9
61	62.0	9.276	34.345	5.85		26.561	0.106	1487.	6.9
63	64.0	9.485	34.387	5.76		26.560	0.109	1488.	6.9
66	66.0	9.466	34.452	5.76		26.614	0.112	1488.	6.8
68	68.1	9.419	34.494	5.73		26.654	0.115	1488.	6.6
69	70.0	9.410	34.518	5.65		26.675	0.117	1488.	6.5
72	72.1	9.506	34.558	5.62		26.690	0.120	1489.	6.4
73	73.8	9.633	34.622	5.50		26.719	0.122	1489.	5.7
75	76.0	9.984	34.733	5.34		26.746	0.125	1491.	5.3
77	78.0	10.116	34.782	5.32		26.762	0.128	1491.	4.8
79	79.8	10.136	34.801	5.30		26.774	0.130	1491.	4.2
81	82.0	10.222	34.828	5.25		26.780	0.133	1492.	3.6
83	84.0	10.263	34.845	5.25		26.786	0.135	1492.	3.3
85	86.0	10.286	34.849	5.23		26.785	0.138	1492.	3.4
87	88.1	10.284	34.854	5.22		26.789	0.141	1492.	3.8
89	89.8	10.202	34.841	5.23		26.794	0.143	1492.	4.2
91	92.0	10.037	34.833	5.24		26.816	0.146	1491.	4.5
94	94.3	10.004	34.852	5.22		26.836	0.148	1491.	5.0
95	95.7	9.968	34.864	5.15		26.851	0.150	1491.	5.2
97	98.0	10.001	34.889	5.11		26.866	0.153	1491.	5.0
99	100.2	10.075	34.921	5.10		26.878	0.156	1492.	4.9
101	102.1	10.195	34.992	5.09		26.913	0.158	1492.	4.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	51	04 MAY 1981	08.6	40°21.1 N	67°31.9 W	625

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	10.378	35.042	5.04		26.919	0.160	1493.	4.6
105	106.0	10.632	35.091	5.00		26.913	0.162	1494.	4.3
107	108.2	11.204	35.265	4.96		26.945	0.165	1496.	4.0
109	109.7	11.274	35.293	5.04		26.954	0.166	1496.	3.5
111	112.0	11.361	35.319	5.04		26.958	0.169	1497.	3.3
113	113.9	11.418	35.337	5.03		26.961	0.171	1497.	3.2
115	115.8	11.481	35.359	4.99		26.967	0.173	1497.	2.8
117	118.0	11.502	35.368	4.95		26.970	0.176	1497.	2.7
119	120.2	11.557	35.385	4.94		26.973	0.178	1498.	2.8
121	122.0	11.475	35.376	4.92		26.981	0.180	1497.	2.7
123	124.2	11.602	35.420	4.88		26.991	0.182	1498.	2.6
125	126.0	11.614	35.422	4.85		26.991	0.184	1498.	2.5
127	128.0	11.657	35.438	4.83		26.995	0.187	1498.	2.2
129	129.8	11.696	35.448	4.82		26.995	0.189	1498.	1.8
131	132.0	11.649	35.442	4.85		27.000	0.191	1498.	1.5
133	134.1	11.632	35.438	4.85		27.000	0.193	1498.	1.3
135	136.0	11.605	35.431	4.79		27.000	0.195	1498.	1.1
137	138.0	11.575	35.424	4.73		27.000	0.197	1498.	1.6
139	139.9	11.383	35.380	4.79		27.002	0.200	1497.	1.9
141	142.0	11.201	35.331	4.84		26.997	0.202	1497.	2.4
143	143.7	11.054	35.303	4.83		27.002	0.204	1496.	2.9
145	146.0	11.113	35.333	4.80		27.014	0.206	1497.	3.2
147	148.0	11.423	35.412	4.74		27.019	0.208	1498.	3.5
149	149.9	11.299	35.399	4.77		27.032	0.210	1497.	3.7
151	152.2	11.271	35.403	4.74		27.040	0.213	1497.	3.7
153	154.0	11.212	35.396	4.68		27.045	0.215	1497.	3.7
155	155.9	11.147	35.393	4.50		27.055	0.217	1497.	3.7
157	157.9	11.055	35.383	4.43		27.065	0.219	1497.	3.7
159	160.1	10.884	35.355	4.43		27.073	0.221	1496.	3.9
161	161.9	10.762	35.332	4.40		27.078	0.223	1496.	4.0
163	164.0	10.723	35.338	4.29		27.090	0.225	1496.	4.0
164	165.8	10.608	35.327	4.28		27.101	0.227	1495.	4.0
167	168.0	10.467	35.310	4.27		27.113	0.229	1495.	3.9
169	170.1	10.346	35.296	4.27		27.123	0.231	1494.	3.7
171	172.0	10.285	35.294	4.21		27.132	0.233	1494.	3.4
173	174.1	10.246	35.291	4.22		27.137	0.235	1494.	3.1
175	176.2	10.190	35.285	4.18		27.142	0.237	1494.	2.9
177	178.0	10.175	35.285	4.05		27.145	0.238	1494.	2.8
179	180.0	10.163	35.284	4.04		27.146	0.240	1494.	2.7
181	182.1	10.085	35.277	4.05		27.154	0.242	1493.	2.7
182	183.8	10.028	35.270	4.02		27.158	0.244	1493.	2.6
184	186.0	9.990	35.269	4.00		27.164	0.246	1493.	2.5
187	188.1	9.946	35.263	4.00		27.167	0.248	1493.	2.4
188	189.8	9.903	35.255	3.96		27.169	0.249	1493.	2.1
190	192.1	9.881	35.254	3.92		27.171	0.251	1493.	1.9
192	194.0	9.859	35.252	3.92		27.173	0.253	1493.	1.8
194	195.8	9.844	35.249	3.91		27.174	0.255	1493.	2.0
196	198.0	9.823	35.249	3.88		27.177	0.257	1493.	2.0
198	200.0	9.823	35.249	3.88		27.177	0.259	1493.	2.1
200	201.9	9.800	35.248	3.87		27.180	0.261	1493.	2.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	51	04 MAY 1981	08.6	40°21.1 N	67°31.9 W	625

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
202	204.1	9.672	35.232	3.87		27.189	0.263	1492.	2.7
204	206.0	9.665	35.229	3.81		27.188	0.264	1492.	2.9
206	208.0	9.635	35.224	3.74		27.190	0.266	1492.	3.0
208	210.0	9.446	35.202	3.77		27.204	0.268	1492.	3.1
210	212.0	9.323	35.184	3.77		27.210	0.270	1491.	3.1
212	214.0	9.222	35.168	3.77		27.214	0.272	1491.	3.2
214	216.1	9.024	35.132	3.80		27.218	0.273	1490.	3.2
216	217.9	8.954	35.124	3.83		27.223	0.275	1490.	3.0
218	219.9	8.861	35.109	3.88		27.226	0.277	1489.	2.9
220	221.9	8.683	35.090	3.91		27.240	0.278	1489.	2.9
222	224.0	8.618	35.079	3.91		27.241	0.280	1489.	2.9
224	225.9	8.550	35.065	3.95		27.241	0.282	1488.	2.9
226	228.1	8.508	35.063	3.98		27.246	0.284	1488.	2.8
228	230.1	8.478	35.065	3.99		27.252	0.286	1488.	2.6
230	231.8	8.412	35.060	3.97		27.258	0.287	1488.	2.6
232	234.0	8.345	35.054	3.94		27.264	0.289	1488.	2.5
234	236.0	8.334	35.054	3.93		27.266	0.291	1488.	2.7
236	238.1	8.329	35.055	3.96		27.268	0.292	1488.	2.7
238	240.0	8.340	35.058	3.95		27.268	0.294	1488.	2.7
240	242.0	8.291	35.054	3.96		27.272	0.296	1488.	2.8
242	244.1	8.327	35.084	3.95		27.290	0.297	1488.	3.0
244	245.9	8.372	35.093	3.87		27.291	0.299	1488.	3.0
246	247.9	8.395	35.102	3.85		27.294	0.300	1488.	3.0
248	250.1	8.359	35.103	3.85		27.301	0.302	1488.	3.0
250	251.7	8.288	35.096	3.84		27.306	0.303	1488.	3.0
252	254.0	8.265	35.097	3.82		27.310	0.305	1488.	3.2
254	256.2	8.220	35.096	3.82		27.316	0.307	1488.	3.4
256	257.9	8.171	35.092	3.83		27.320	0.308	1487.	3.6
258	260.0	8.036	35.084	3.83		27.334	0.310	1487.	3.7
260	262.1	7.949	35.076	3.86		27.342	0.312	1487.	3.8
262	263.8	7.869	35.072	3.92		27.351	0.313	1486.	3.6
264	266.0	7.756	35.069	3.96		27.365	0.315	1486.	3.6
266	268.0	7.702	35.064	3.96		27.369	0.316	1486.	3.4
268	270.1	7.674	35.061	3.98		27.371	0.318	1486.	3.3
270	272.0	7.633	35.058	4.03		27.374	0.319	1486.	3.4
272	274.0	7.502	35.049	4.02		27.386	0.321	1485.	3.4
274	276.2	7.419	35.040	4.02		27.391	0.322	1485.	3.4
275	277.7	7.367	35.038	4.08		27.397	0.323	1485.	3.5
278	280.0	7.262	35.038	4.11		27.412	0.325	1484.	3.4
280	282.0	7.239	35.038	4.12		27.415	0.326	1484.	3.3
281	283.9	7.208	35.036	4.15		27.418	0.328	1484.	3.1
284	286.0	7.153	35.038	4.16		27.427	0.329	1484.	3.0
286	288.1	7.122	35.038	4.15		27.432	0.331	1484.	2.8
287	289.9	7.113	35.039	4.17		27.434	0.332	1484.	2.8
290	292.1	7.097	35.041	4.19		27.438	0.333	1484.	2.7
292	294.0	7.059	35.046	4.20		27.447	0.335	1484.	2.6
293	295.8	7.046	35.047	4.19		27.450	0.336	1484.	2.6
296	298.2	7.035	35.049	4.19		27.453	0.337	1484.	2.6
297	299.9	7.016	35.050	4.22		27.456	0.339	1484.	2.5
299	302.0	6.988	35.050	4.21		27.460	0.340	1484.	2.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	51	04 MAY 1981	08.6	40°21.1 N	67°31.9 W	625

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
301	303.9	6.976	35.050	4.20		27.462	0.341	1484.	2.4
304	306.2	6.951	35.054	4.23		27.468	0.343	1484.	2.4
305	308.0	6.940	35.055	4.26		27.471	0.344	1484.	2.3
307	310.0	6.925	35.055	4.26		27.473	0.345	1484.	2.3
310	312.2	6.903	35.056	4.27		27.477	0.347	1483.	2.3
311	314.1	6.881	35.056	4.33		27.480	0.348	1483.	2.3
313	316.1	6.870	35.055	4.33		27.480	0.349	1483.	2.4
315	318.2	6.818	35.054	4.33		27.487	0.350	1483.	2.5
317	319.7	6.794	35.055	4.34		27.491	0.351	1483.	2.6
319	322.0	6.778	35.055	4.31		27.493	0.353	1483.	2.7
321	324.2	6.736	35.053	4.35		27.498	0.354	1483.	2.7
323	326.1	6.671	35.052	4.37		27.505	0.355	1483.	2.6
325	327.9	6.650	35.051	4.39		27.507	0.356	1483.	2.5
327	330.1	6.619	35.050	4.38		27.511	0.358	1483.	2.5
329	332.0	6.575	35.047	4.45		27.514	0.359	1483.	2.4
331	333.9	6.536	35.043	4.40		27.517	0.360	1482.	2.2
333	336.0	6.478	35.037	4.40		27.519	0.361	1482.	2.2
335	337.9	6.466	35.040	4.51		27.524	0.363	1482.	2.0
337	340.0	6.478	35.044	4.52		27.525	0.364	1482.	1.9
339	342.0	6.501	35.053	4.52		27.529	0.365	1482.	1.7
341	344.0	6.504	35.053	4.52		27.529	0.366	1482.	1.5
343	346.3	6.500	35.054	4.51		27.530	0.368	1482.	1.4
345	347.8	6.495	35.054	4.48		27.531	0.369	1482.	1.2
347	350.1	6.490	35.054	4.48		27.531	0.370	1482.	1.1
349	352.1	6.479	35.054	4.51		27.533	0.371	1482.	1.2
351	353.7	6.475	35.054	4.50		27.533	0.372	1482.	1.2
353	356.0	6.472	35.054	4.47		27.534	0.373	1483.	1.3
355	358.3	6.465	35.054	4.47		27.535	0.375	1483.	1.4
357	359.8	6.454	35.054	4.52		27.536	0.376	1483.	1.6
359	362.0	6.451	35.055	4.49		27.537	0.377	1483.	1.8
361	364.2	6.433	35.055	4.51		27.540	0.378	1482.	2.0
363	366.0	6.405	35.051	4.54		27.541	0.379	1482.	2.1
365	367.8	6.357	35.049	4.54		27.545	0.380	1482.	2.2
367	370.0	6.322	35.048	4.52		27.549	0.382	1482.	2.2
369	372.2	6.281	35.045	4.54		27.552	0.383	1482.	2.1
370	373.7	6.258	35.044	4.61		27.554	0.384	1482.	1.9
373	376.1	6.244	35.045	4.62		27.557	0.385	1482.	1.7
375	378.0	6.227	35.042	4.65		27.557	0.386	1482.	1.5
377	379.9	6.209	35.040	4.69		27.558	0.387	1482.	1.3
379	382.0	6.193	35.038	4.69		27.558	0.389	1482.	1.2
381	384.0	6.164	35.036	4.70		27.560	0.390	1482.	1.2
383	385.9	6.163	35.036	4.71		27.560	0.391	1482.	1.3
385	388.0	6.159	35.035	4.72		27.560	0.392	1482.	1.3
387	390.1	6.159	35.037	4.71		27.561	0.393	1482.	1.3
389	391.9	6.147	35.036	4.72		27.563	0.394	1482.	1.2
391	393.9	6.136	35.037	4.72		27.565	0.395	1482.	1.2
393	396.1	6.123	35.036	4.71		27.566	0.397	1482.	1.2
394	397.9	6.114	35.034	4.73		27.565	0.398	1482.	1.1
396	399.9	6.106	35.034	4.70		27.566	0.399	1482.	1.1
399	402.1	6.100	35.033	4.69		27.566	0.400	1482.	1.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	51	04 MAY 1981	08.6	40°21.1 N	67°31.9 W	625

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	403.8	6.087	35.031	4.73		27.566	0.401	1482.	1.9
403	406.0	6.073	35.030	4.77		27.567	0.402	1482.	2.2
405	408.3	5.951	35.013	4.81		27.569	0.404	1481.	2.4
406	409.8	5.875	35.008	4.86		27.575	0.404	1481.	2.5
408	412.0	5.627	34.979	4.87		27.583	0.406	1480.	2.5
410	413.9	5.614	34.980	4.96		27.585	0.407	1480.	2.3
412	416.0	5.595	34.978	5.02		27.586	0.408	1480.	1.9
414	417.9	5.588	34.977	5.04		27.587	0.409	1480.	1.5
416	420.1	5.588	34.978	5.06		27.587	0.410	1480.	0.9
418	421.9	5.588	34.977	5.06		27.587	0.411	1480.	0.8
420	424.0	5.584	34.977	5.03		27.587	0.412	1480.	0.7
422	426.0	5.579	34.977	5.04		27.587	0.413	1480.	0.7
424	428.0	5.568	34.976	5.02		27.588	0.414	1480.	0.6
426	429.9	5.557	34.974	5.01		27.588	0.415	1480.	0.7
428	432.2	5.547	34.973	5.03		27.589	0.417	1480.	0.9
430	433.9	5.566	34.976	5.00		27.588	0.418	1480.	1.0
432	436.1	5.565	34.975	4.98		27.588	0.419	1480.	1.1
434	437.8	5.533	34.972	5.04		27.590	0.420	1480.	1.2
436	439.9	5.527	34.974	5.07		27.592	0.421	1480.	1.3
438	442.0	5.526	34.974	5.05		27.592	0.422	1480.	1.3
440	444.4	5.518	34.974	5.06		27.593	0.423	1480.	1.3
442	445.7	5.510	34.974	5.04		27.594	0.424	1480.	1.4
444	448.0	5.507	34.975	5.00		27.595	0.425	1480.	1.6
446	450.2	5.508	34.975	5.02		27.595	0.427	1480.	1.7
448	452.0	5.467	34.972	5.08		27.597	0.427	1480.	1.7
450	454.0	5.383	34.964	5.07		27.601	0.429	1480.	1.7
452	456.2	5.372	34.964	5.11		27.603	0.430	1480.	1.7
454	458.0	5.370	34.965	5.17		27.604	0.431	1480.	1.7
456	460.1	5.359	34.963	5.16		27.604	0.432	1480.	1.7
458	461.9	5.357	34.964	5.18		27.605	0.433	1480.	1.6
460	463.9	5.298	34.956	5.17		27.606	0.434	1479.	1.5
462	466.2	5.253	34.955	5.17		27.610	0.435	1479.	1.5
464	468.0	5.238	34.954	5.22		27.611	0.436	1479.	1.4
466	469.9	5.242	34.954	5.20		27.611	0.437	1479.	1.3
468	472.2	5.237	34.955	5.18		27.611	0.438	1479.	1.2
470	473.8	5.238	34.954	5.24		27.611	0.439	1479.	1.0
472	476.1	5.220	34.952	5.24		27.612	0.440	1479.	1.1
474	478.0	5.209	34.953	5.24		27.613	0.441	1479.	1.3
476	480.2	5.206	34.953	5.23		27.614	0.442	1479.	1.5
478	481.9	5.193	34.950	5.25		27.613	0.443	1479.	1.6
480	484.0	5.141	34.947	5.22		27.617	0.444	1479.	1.8
481	485.8	5.126	34.947	5.27		27.619	0.445	1479.	1.9
484	488.1	5.105	34.946	5.28		27.621	0.447	1479.	2.1
485	489.8	5.085	34.945	5.31		27.622	0.447	1479.	2.2
488	492.0	5.046	34.944	5.35		27.626	0.449	1479.	2.2
490	494.1	4.989	34.940	5.36		27.629	0.450	1479.	2.1
491	495.7	4.967	34.939	5.39		27.631	0.450	1479.	2.1
494	498.0	4.933	34.939	5.38		27.635	0.452	1479.	1.9
496	500.1	4.922	34.939	5.39		27.636	0.453	1479.	1.7
516	520.2	4.821	34.935	5.45		27.645	0.463	1478.	1.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	51	04 MAY 1981	08.6	40°21.1 N	67°31.9 W	625

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
535	539.7	4.771	34.935	5.51		27.650	0.472	1479.	0.9
555	560.1	4.678	34.934	5.60		27.660	0.482	1479.	1.2
575	579.9	4.640	34.934	5.60		27.664	0.492	1479.	1.1

STA 52 DAY: 4 TIME: 0928

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	8.7	120.1	11.1	254.7	7.8	450.6	5.4	687.1	4.6
3.9	8.8	122.0	11.2	258.5	7.8	454.3	5.3	692.5	4.5
5.8	8.8	123.0	11.3	262.3	7.9	458.9	5.3	697.0	4.5
7.8	8.8	124.9	11.3	264.2	7.9	462.6	5.3	699.7	4.5
10.7	8.9	127.8	11.4	268.0	7.9	464.5	5.2	706.8	4.4
12.7	9.0	130.7	11.4	270.8	7.9	470.0	5.2	714.9	4.5
13.6	9.0	131.6	11.5	275.6	7.8	473.7	5.2	720.3	4.5
17.5	9.0	133.5	11.5	279.3	7.8	478.3	5.0	726.6	4.5
21.4	9.0	136.4	11.5	282.2	7.7	484.8	5.0	732.8	4.5
24.3	9.0	139.3	11.4	283.1	7.4	488.5	5.0	739.1	4.5
26.3	9.0	142.2	11.4	285.9	7.3	492.2	5.0	743.6	4.5
28.2	8.9	144.1	11.3	289.7	7.3	494.9	5.0	749.8	4.5
32.1	9.0	146.0	11.2	292.6	7.2	499.5	5.0		
35.0	9.1	148.9	11.1	294.4	7.1	506.0	4.9		
37.0	9.2	150.8	11.0	297.3	7.0	512.4	5.0		
38.9	9.2	152.7	10.8	301.0	6.9	517.9	5.0		
43.8	9.3	155.6	10.7	304.8	6.8	523.4	5.0		
44.7	9.4	159.4	10.6	308.6	6.8	526.2	5.0		
46.7	9.4	163.3	10.6	312.4	6.8	528.9	4.9		
47.6	9.5	166.2	10.5	317.1	6.7	533.5	4.9		
51.5	9.5	169.0	10.4	320.8	6.7	538.1	4.9		
53.5	9.4	170.9	10.3	323.6	6.6	542.7	4.9		
55.4	9.4	172.9	10.2	326.5	6.6	546.4	4.9		
57.3	9.4	173.8	10.0	331.2	6.6	551.8	4.9		
59.3	9.4	176.7	9.9	335.9	6.6	555.5	4.9		
61.2	9.3	180.5	9.7	339.6	6.5	561.9	4.8		
64.1	9.3	182.4	9.6	343.4	6.5	566.5	4.8		
66.0	9.2	185.3	9.5	347.1	6.4	571.0	4.8		
69.0	9.2	188.1	9.4	350.9	6.4	575.6	4.8		
71.9	9.2	192.0	9.3	354.6	6.4	581.1	4.8		
75.7	9.3	193.9	9.2	358.4	6.3	585.6	4.7		
76.7	9.3	196.7	9.1	362.1	6.3	588.4	4.7		
78.6	9.5	200.5	9.1	366.8	6.3	594.7	4.8		
79.6	9.6	202.5	8.9	370.5	6.2	599.3	4.7		
81.5	9.8	205.3	8.8	377.1	6.2	604.8	4.7		
83.5	9.9	209.1	8.7	383.6	6.2	609.3	4.7		
87.3	9.9	212.0	8.5	390.1	6.2	614.7	4.7		
91.2	10.0	215.8	8.4	393.9	6.0	619.3	4.7		
95.0	10.0	219.6	8.3	396.7	6.0	624.7	4.7		
97.0	10.1	222.4	8.2	400.4	6.0	629.3	4.7		
99.9	10.2	226.3	8.1	402.3	5.9	634.7	4.7		
101.8	10.3	229.1	8.0	406.9	5.8	639.2	4.7		
103.7	10.5	232.0	8.0	411.6	5.7	643.8	4.7		
105.6	10.6	233.9	7.9	418.1	5.7	650.1	4.7		
106.6	10.7	236.7	7.8	422.7	5.6	654.6	4.7		
108.5	10.8	240.5	7.8	430.2	5.5	662.7	4.7		
110.5	10.8	244.3	7.8	434.8	5.5	665.4	4.6		
113.4	10.8	246.2	7.8	441.3	5.5	670.9	4.6		
116.2	10.9	249.0	7.8	445.0	5.5	675.4	4.6		
118.2	11.0	251.9	7.8	447.8	5.4	681.7	4.6		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	53	04 MAY 1981	09.8	40° 18.1 N	67° 30.2 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
0	0.0	8.021	33.325	6.80		25.956	0.000	1480.	2.7
2	2.0	8.021	33.325	6.80		25.956	0.004	1481.	2.7
5	4.5	8.021	33.325	6.80		25.956	0.009	1481.	2.7
6	5.9	8.003	33.337	6.86		25.968	0.012	1481.	2.7
8	8.1	7.986	33.331	6.83		25.966	0.017	1480.	2.7
10	9.9	7.964	33.346	6.81		25.981	0.020	1480.	2.8
12	12.2	7.993	33.350	6.86		25.979	0.025	1481.	2.7
14	13.8	8.025	33.363	6.85		25.985	0.028	1481.	2.6
16	15.9	8.061	33.375	6.78		25.989	0.032	1481.	3.0
18	18.0	8.086	33.385	6.77		25.993	0.036	1481.	3.4
20	20.3	8.126	33.393	6.79		25.994	0.041	1481.	3.9
22	21.7	8.169	33.411	6.81		26.001	0.044	1481.	4.3
24	24.0	8.365	33.482	6.75		26.028	0.048	1482.	4.5
26	26.0	8.496	33.526	6.70		26.043	0.052	1483.	4.8
28	28.1	8.636	33.574	6.68		26.058	0.056	1484.	5.4
30	30.0	8.767	33.620	6.72		26.074	0.060	1484.	5.8
32	31.9	8.820	33.636	6.69		26.079	0.064	1484.	6.4
34	34.0	8.908	33.690	6.62		26.107	0.068	1485.	7.2
36	36.0	9.024	33.783	6.53		26.161	0.072	1485.	8.1
38	38.1	9.057	33.824	6.50		26.188	0.075	1486.	8.7
40	39.9	9.025	33.901	6.47		26.254	0.079	1486.	8.9
42	41.9	8.752	33.924	6.41		26.315	0.082	1485.	8.8
44	44.0	8.890	34.040	6.32		26.384	0.086	1485.	8.3
46	46.0	9.063	34.134	6.26		26.430	0.089	1486.	7.9
48	48.2	9.240	34.203	6.18		26.456	0.092	1487.	7.2
49	49.9	9.243	34.220	6.00		26.469	0.095	1487.	6.7
52	52.0	9.235	34.228	5.92		26.477	0.098	1487.	6.3
54	54.0	9.253	34.286	5.86		26.518	0.101	1487.	6.2
56	56.2	9.288	34.326	5.83		26.544	0.105	1487.	6.4
57	57.7	9.279	34.353	5.79		26.567	0.107	1487.	6.6
59	60.0	9.251	34.389	5.68		26.600	0.110	1487.	6.6
62	62.0	9.272	34.413	5.64		26.615	0.113	1487.	6.4
64	64.0	9.317	34.486	5.58		26.665	0.116	1488.	6.4
66	66.0	9.348	34.514	5.55		26.682	0.119	1488.	6.2
67	67.9	9.393	34.544	5.53		26.698	0.121	1488.	5.9
69	70.0	9.462	34.591	5.48		26.723	0.124	1489.	5.7
71	72.0	9.627	34.658	5.42		26.748	0.127	1489.	5.5
73	74.1	9.728	34.696	5.37		26.761	0.129	1490.	5.5
76	76.2	9.827	34.739	5.38		26.778	0.132	1490.	5.3
77	77.9	9.994	34.793	5.35		26.792	0.134	1491.	5.0
79	79.9	10.217	34.882	5.29		26.823	0.137	1492.	4.8
81	82.0	10.430	34.945	5.20		26.835	0.139	1493.	4.7
84	84.2	10.469	34.959	5.19		26.839	0.142	1493.	4.4
85	85.7	10.522	34.979	5.22		26.845	0.144	1493.	4.2
87	87.9	10.634	35.032	5.17		26.866	0.146	1494.	4.0
89	90.0	10.695	35.055	5.13		26.874	0.149	1494.	4.0
91	92.2	10.737	35.076	5.13		26.883	0.152	1494.	3.9
93	94.1	10.793	35.100	5.14		26.891	0.154	1494.	3.6
95	95.7	10.863	35.132	5.17		26.904	0.156	1495.	3.4
97	98.0	10.884	35.144	5.12		26.909	0.158	1495.	3.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	53	04 MAY 1981	09.8	40° 18.1 N	67° 30.2 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	100.1	10.900	35.151	5.09		26.912	0.161	1495.	3.4
101	102.2	10.969	35.172	5.06		26.915	0.163	1495.	3.5
103	103.7	11.079	35.215	5.06		26.929	0.165	1496.	3.5
105	106.0	11.187	35.250	4.99		26.937	0.167	1496.	3.6
107	108.0	11.155	35.252	4.96		26.944	0.170	1496.	3.6
109	110.2	11.173	35.276	4.94		26.960	0.172	1496.	3.4
111	112.0	11.160	35.273	4.99		26.959	0.174	1496.	3.1
113	113.9	11.023	35.250	5.03		26.967	0.176	1496.	2.9
115	116.0	10.879	35.224	5.02		26.972	0.179	1495.	2.5
117	118.1	10.878	35.226	5.00		26.974	0.181	1495.	2.1
119	120.1	10.873	35.227	4.98		26.976	0.183	1495.	2.4
121	121.7	10.847	35.222	5.00		26.977	0.185	1495.	2.5
123	124.0	10.786	35.208	4.95		26.977	0.187	1495.	2.7
125	126.1	10.550	35.158	4.96		26.980	0.190	1494.	3.0
127	128.0	10.320	35.126	4.92		26.996	0.192	1493.	3.2
129	129.9	10.181	35.104	4.88		27.002	0.194	1493.	3.5
131	132.2	10.062	35.084	4.85		27.007	0.196	1492.	3.8
133	133.7	9.961	35.070	4.88		27.014	0.198	1492.	3.8
135	136.0	9.867	35.053	4.83		27.016	0.200	1492.	3.7
137	138.0	9.753	35.059	4.82		27.040	0.203	1491.	3.6
139	140.1	9.928	35.110	4.76		27.051	0.205	1492.	3.6
141	142.0	10.014	35.133	4.71		27.054	0.207	1492.	3.5
143	144.0	9.947	35.122	4.64		27.057	0.209	1492.	3.5
145	146.0	9.849	35.105	4.61		27.060	0.211	1492.	3.5
147	148.0	9.785	35.105	4.58		27.071	0.213	1492.	3.6
149	150.1	9.727	35.104	4.57		27.080	0.215	1491.	3.7
151	151.8	9.698	35.107	4.56		27.087	0.217	1491.	3.5
153	154.0	9.698	35.137	4.53		27.111	0.219	1491.	3.3
155	156.0	9.807	35.161	4.49		27.111	0.221	1492.	3.0
157	158.0	10.116	35.230	4.42		27.112	0.223	1493.	2.9
159	160.2	10.178	35.244	4.37		27.112	0.225	1493.	2.9
161	162.0	10.176	35.245	4.30		27.114	0.227	1493.	2.9
163	164.0	10.077	35.235	4.29		27.122	0.228	1493.	3.4
165	166.1	9.951	35.219	4.27		27.132	0.231	1493.	3.6
167	168.2	9.756	35.193	4.30		27.145	0.232	1492.	3.7
169	169.9	9.583	35.168	4.29		27.154	0.234	1491.	3.5
171	172.0	9.526	35.167	4.29		27.163	0.236	1491.	3.2
173	174.2	9.414	35.146	4.27		27.165	0.238	1491.	2.9
174	175.9	9.403	35.146	4.26		27.167	0.240	1491.	2.5
176	177.9	9.357	35.140	4.23		27.170	0.242	1491.	2.3
178	179.9	9.259	35.122	4.21		27.172	0.243	1490.	2.3
181	182.0	9.203	35.114	4.19		27.175	0.245	1490.	2.3
183	184.3	9.192	35.117	4.18		27.179	0.247	1490.	2.4
184	185.9	9.175	35.119	4.19		27.183	0.249	1490.	2.4
186	187.9	9.156	35.121	4.16		27.188	0.251	1490.	2.3
188	190.0	9.152	35.122	4.14		27.189	0.253	1490.	2.3
191	192.1	9.114	35.120	4.14		27.194	0.254	1490.	2.2
193	194.1	9.084	35.119	4.16		27.198	0.256	1490.	2.1
194	196.0	9.083	35.115	4.16		27.195	0.258	1490.	2.3
196	198.1	9.017	35.109	4.16		27.201	0.260	1490.	2.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	53	04 MAY 1981	09.8	40°18.1 N	67°30.2 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
198	200.0	8.955	35.100	4.15		27.204	0.262	1489.	2.7
201	202.2	8.928	35.096	4.12		27.205	0.264	1489.	2.7
202	203.8	8.929	35.112	4.03		27.218	0.265	1489.	2.6
204	206.0	9.047	35.154	3.98		27.232	0.267	1490.	2.4
206	208.1	9.114	35.159	3.95		27.224	0.269	1490.	2.3
208	210.0	9.112	35.160	3.95		27.226	0.270	1490.	2.2
210	212.1	9.096	35.157	3.96		27.226	0.272	1490.	1.9
212	213.9	9.068	35.157	3.99		27.230	0.274	1490.	2.0
214	216.0	8.968	35.142	4.00		27.235	0.276	1490.	2.3
216	218.1	8.923	35.137	4.00		27.238	0.277	1490.	2.4
218	220.1	8.913	35.139	4.00		27.241	0.279	1490.	2.5
220	222.0	8.875	35.135	4.02		27.245	0.281	1490.	2.7
222	224.0	8.848	35.133	4.05		27.248	0.283	1489.	2.7
224	226.0	8.840	35.136	4.09		27.250	0.284	1489.	2.9
226	227.9	8.732	35.124	4.08		27.259	0.286	1489.	3.1
228	230.0	8.630	35.116	4.07		27.268	0.288	1489.	3.2
230	232.1	8.605	35.113	4.06		27.270	0.289	1489.	3.2
232	234.2	8.505	35.106	4.12		27.280	0.291	1488.	3.5
234	235.7	8.437	35.101	4.17		27.287	0.292	1488.	3.5
236	238.0	8.372	35.089	4.16		27.287	0.294	1488.	3.6
238	240.1	8.243	35.077	4.15		27.298	0.296	1487.	3.6
240	242.2	8.076	35.070	4.18		27.318	0.298	1487.	3.6
242	243.8	8.054	35.065	4.17		27.318	0.299	1487.	3.5
244	246.0	7.961	35.056	4.16		27.324	0.301	1486.	3.3
246	248.1	7.889	35.052	4.17		27.332	0.302	1486.	3.0
248	250.3	7.834	35.050	4.21		27.338	0.304	1486.	2.5
250	251.9	7.821	35.048	4.24		27.339	0.305	1486.	2.4
252	254.0	7.784	35.045	4.24		27.342	0.307	1486.	2.2
254	256.1	7.770	35.045	4.24		27.344	0.308	1486.	2.1
256	258.0	7.760	35.045	4.24		27.345	0.310	1486.	2.2
258	259.9	7.737	35.042	4.25		27.347	0.311	1486.	2.2
260	262.0	7.690	35.037	4.26		27.350	0.313	1486.	2.3
262	264.1	7.596	35.031	4.29		27.358	0.315	1485.	2.4
264	265.8	7.567	35.027	4.29		27.359	0.316	1485.	2.3
266	268.0	7.539	35.024	4.29		27.361	0.318	1485.	2.6
268	270.2	7.507	35.024	4.31		27.366	0.319	1485.	2.5
270	271.9	7.497	35.024	4.33		27.367	0.320	1485.	2.3
272	273.9	7.491	35.023	4.30		27.368	0.322	1485.	2.3
274	276.0	7.442	35.039	4.27		27.387	0.323	1485.	2.3
276	278.0	7.432	35.028	4.25		27.380	0.325	1485.	2.2
277	279.7	7.440	35.028	4.19		27.379	0.326	1485.	2.2
280	282.0	7.455	35.037	4.12		27.384	0.328	1485.	2.4
282	284.1	7.537	35.055	4.10		27.386	0.329	1485.	2.2
284	286.2	7.581	35.071	4.10		27.392	0.331	1486.	2.5
285	287.7	7.591	35.080	4.10		27.398	0.332	1486.	2.7
288	289.9	7.600	35.093	4.10		27.406	0.334	1486.	3.0
290	292.0	7.596	35.087	4.09		27.402	0.335	1486.	3.0
292	294.2	7.511	35.081	4.12		27.410	0.337	1486.	2.9
293	295.8	7.477	35.081	4.18		27.415	0.338	1485.	2.7
295	298.0	7.377	35.090	4.22		27.436	0.339	1485.	2.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	53	04 MAY 1981	09.8	40°18.1 N	67°30.2 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
297	300.0	7.329	35.069	4.25		27.427	0.341	1485.	2.4
300	302.2	7.259	35.058	4.27		27.428	0.342	1485.	2.1
301	303.9	7.212	35.047	4.28		27.426	0.343	1485.	1.7
303	306.0	7.145	35.038	4.29		27.429	0.345	1484.	1.5
306	308.2	7.104	35.034	4.33		27.431	0.346	1484.	1.9
307	310.0	7.076	35.036	4.34		27.437	0.348	1484.	2.1
309	312.0	7.073	35.032	4.33		27.434	0.349	1484.	2.2
311	314.0	7.031	35.032	4.35		27.440	0.350	1484.	2.2
313	316.1	7.016	35.033	4.42		27.443	0.352	1484.	2.1
315	317.9	6.967	35.028	4.45		27.446	0.353	1484.	2.2
317	320.0	6.844	35.010	4.47		27.448	0.354	1483.	2.2
319	322.0	6.811	35.006	4.47		27.450	0.356	1483.	2.2
321	324.1	6.781	35.002	4.49		27.451	0.357	1483.	2.2
323	325.9	6.709	34.996	4.51		27.456	0.358	1483.	2.1
325	327.9	6.667	34.991	4.50		27.458	0.360	1483.	2.1
327	330.0	6.645	34.994	4.51		27.463	0.361	1483.	2.3
329	332.1	6.655	34.995	4.51		27.463	0.363	1483.	2.4
331	333.8	6.661	34.999	4.52		27.465	0.364	1483.	2.4
333	336.0	6.666	35.006	4.50		27.470	0.365	1483.	2.4
335	338.0	6.662	35.016	4.50		27.478	0.366	1483.	2.3
337	340.1	6.664	35.022	4.49		27.482	0.368	1483.	2.3
339	341.8	6.675	35.023	4.47		27.482	0.369	1483.	2.1
341	344.0	6.718	35.032	4.43		27.483	0.370	1483.	1.7
343	346.0	6.762	35.044	4.42		27.487	0.372	1483.	1.2
345	348.1	6.769	35.048	4.42		27.489	0.373	1484.	0.5
347	350.0	6.770	35.049	4.43		27.489	0.374	1484.	0.1
349	351.9	6.772	35.047	4.43		27.488	0.375	1484.	0.3
351	354.0	6.774	35.044	4.41		27.485	0.377	1484.	0.4
353	356.1	6.777	35.039	4.41		27.481	0.378	1484.	0.2
355	358.1	6.758	35.042	4.44		27.486	0.379	1484.	1.1
357	359.9	6.749	35.044	4.47		27.489	0.380	1484.	1.7
359	362.0	6.730	35.041	4.49		27.488	0.382	1484.	2.1
361	364.1	6.730	35.040	4.49		27.488	0.383	1484.	2.2
363	366.1	6.662	35.038	4.51		27.496	0.384	1483.	2.1
365	367.9	6.583	35.031	4.52		27.501	0.386	1483.	1.9
367	370.0	6.559	35.029	4.53		27.502	0.387	1483.	1.9
369	372.3	6.556	35.027	4.55		27.501	0.388	1483.	1.7
371	373.8	6.553	35.028	4.57		27.502	0.389	1483.	1.4
373	376.0	6.533	35.024	4.57		27.502	0.391	1483.	1.3
375	378.0	6.506	35.022	4.57		27.504	0.392	1483.	1.6
377	380.1	6.487	35.020	4.59		27.505	0.393	1483.	2.0
379	381.9	6.468	35.019	4.63		27.507	0.394	1483.	2.3
381	384.0	6.425	35.015	4.66		27.510	0.396	1483.	2.6
383	385.9	6.384	35.016	4.67		27.515	0.397	1483.	2.7
385	388.0	6.361	35.019	4.66		27.521	0.398	1483.	2.7
387	390.0	6.339	35.025	4.66		27.529	0.399	1483.	2.7
389	392.1	6.316	35.027	4.70		27.533	0.401	1482.	2.6
390	393.9	6.308	35.027	4.71		27.535	0.402	1482.	2.5
393	396.0	6.296	35.027	4.70		27.536	0.403	1482.	2.3
395	398.0	6.285	35.030	4.71		27.539	0.404	1482.	2.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	53	04 MAY 1981	09.8	40° 18.1 N	67° 30.2 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
397	400.3	6.263	35.031	4.75		27.544	0.405	1482.	2.1
398	401.9	6.235	35.031	4.78		27.547	0.406	1482.	2.1
400	404.0	6.220	35.030	4.78		27.548	0.408	1482.	2.0
402	406.0	6.195	35.031	4.78		27.552	0.409	1482.	1.8
405	408.1	6.180	35.029	4.79		27.553	0.410	1482.	1.6
406	409.8	6.170	35.028	4.81		27.553	0.411	1482.	1.4
408	412.0	6.165	35.028	4.80		27.554	0.412	1482.	1.4
410	414.1	6.158	35.028	4.82		27.554	0.414	1482.	1.3
412	416.1	6.144	35.027	4.83		27.556	0.415	1482.	1.3
414	418.0	6.136	35.027	4.83		27.556	0.416	1482.	1.3
416	420.0	6.119	35.027	4.82		27.559	0.417	1482.	1.4
418	422.0	6.109	35.026	4.83		27.559	0.418	1482.	1.5
420	423.9	6.102	35.026	4.81		27.560	0.419	1482.	1.5
422	426.0	6.089	35.025	4.82		27.561	0.420	1482.	1.6
424	428.1	6.072	35.024	4.85		27.563	0.422	1482.	1.5
426	430.0	6.056	35.024	4.86		27.565	0.423	1482.	1.5
428	432.0	6.042	35.024	4.84		27.567	0.424	1482.	1.5
430	434.0	6.035	35.024	4.84		27.568	0.425	1482.	1.7
432	436.3	6.020	35.024	4.87		27.569	0.426	1482.	1.8
434	437.8	6.017	35.022	4.89		27.568	0.427	1482.	2.0
436	440.0	5.990	35.021	4.89		27.571	0.428	1482.	2.1
438	442.1	5.955	35.022	4.89		27.576	0.430	1482.	2.2
440	444.3	5.910	35.021	4.93		27.581	0.431	1482.	2.3
442	445.9	5.890	35.020	4.97		27.583	0.432	1482.	2.3
444	448.0	5.860	35.019	4.97		27.586	0.433	1482.	2.2
446	450.0	5.846	35.018	4.98		27.587	0.434	1482.	2.1
448	452.2	5.830	35.019	5.00		27.590	0.435	1482.	1.9
450	453.6	5.797	35.020	5.02		27.594	0.436	1481.	1.8
452	455.9	5.768	35.015	5.02		27.594	0.437	1481.	1.6
454	458.0	5.753	35.015	5.01		27.596	0.438	1481.	1.5
456	460.1	5.750	35.015	5.02		27.597	0.440	1481.	1.4
458	461.7	5.745	35.015	5.04		27.597	0.440	1481.	1.3
460	463.9	5.737	35.014	5.03		27.597	0.442	1481.	1.4
462	466.1	5.724	35.014	5.06		27.599	0.443	1481.	1.5
464	468.0	5.708	35.014	5.05		27.601	0.444	1481.	1.6
466	469.9	5.693	35.013	5.07		27.602	0.445	1481.	1.6
468	472.2	5.665	35.012	5.09		27.605	0.446	1481.	1.6
470	473.9	5.659	35.012	5.10		27.606	0.447	1481.	1.6
472	476.0	5.647	35.013	5.09		27.608	0.448	1481.	1.5
474	478.1	5.642	35.011	5.07		27.607	0.449	1481.	1.4
476	480.0	5.625	35.011	5.09		27.609	0.450	1481.	1.3
478	482.0	5.609	35.011	5.11		27.611	0.451	1481.	1.2
480	483.9	5.603	35.010	5.10		27.611	0.452	1481.	1.0
482	486.1	5.601	35.010	5.11		27.611	0.454	1481.	1.0
484	488.3	5.598	35.010	5.11		27.612	0.455	1481.	1.1
486	490.2	5.593	35.010	5.14		27.612	0.456	1481.	1.3
487	491.8	5.593	35.009	5.15		27.611	0.457	1481.	1.5
490	494.0	5.568	35.007	5.14		27.612	0.458	1481.	1.7
492	496.1	5.511	35.003	5.17		27.617	0.459	1481.	1.8
494	498.1	5.482	35.001	5.20		27.619	0.460	1481.	1.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	53	04 MAY 1981	09.8	40°18.1 N	67°30.2 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
495	499.9	5.440	34.998	5.22		27.621	0.461	1481.	1.8
515	519.9	5.080	34.953	5.39		27.628	0.471	1480.	1.4
535	539.8	4.851	34.930	5.56		27.637	0.481	1479.	1.3
555	560.0	4.759	34.925	5.62		27.644	0.492	1479.	1.4
575	580.0	4.728	34.931	5.61		27.652	0.502	1479.	0.9
594	599.9	4.705	34.927	5.66		27.652	0.511	1479.	0.3
614	620.1	4.703	34.927	5.67		27.652	0.521	1480.	0.4
634	640.3	4.644	34.924	5.71		27.656	0.532	1480.	1.4
654	660.0	4.594	34.927	5.72		27.664	0.541	1480.	0.9
674	680.3	4.550	34.930	5.72		27.671	0.551	1480.	0.9
693	700.0	4.529	34.928	5.77		27.672	0.561	1480.	0.4
713	719.9	4.505	34.928	5.79		27.674	0.570	1480.	0.8
733	739.9	4.488	34.925	5.72		27.674	0.580	1481.	0.5
753	759.9	4.442	34.925	5.82		27.679	0.590	1481.	0.6
772	779.9	4.417	34.925	5.83		27.682	0.600	1481.	0.9
792	800.0	4.355	34.920	5.87		27.685	0.609	1481.	0.2
812	820.2	4.335	34.920	5.85		27.687	0.619	1481.	0.9
832	840.2	4.312	34.922	5.86		27.691	0.629	1482.	0.5
852	860.0	4.297	34.922	5.84		27.692	0.638	1482.	0.8
871	879.9	4.279	34.924	5.86		27.696	0.648	1482.	0.5
891	900.1	4.286	34.926	5.89		27.697	0.657	1483.	0.3
911	920.0	4.281	34.927	5.89		27.699	0.667	1483.	1.0
931	940.0	4.241	34.926	5.91		27.702	0.676	1483.	1.0
950	959.7	4.216	34.927	5.91		27.706	0.686	1483.	0.8
970	980.0	4.197	34.928	5.92		27.708	0.695	1483.	0.3
990	999.8	4.182	34.931	5.93		27.712	0.705	1484.	0.6
1010	1019.9	4.166	34.932	5.88		27.714	0.714	1484.	0.7
1029	1040.0	4.160	34.931	5.94		27.715	0.724	1484.	0.7
1049	1060.2	4.133	34.933	5.97		27.719	0.733	1485.	0.7
1069	1080.2	4.127	34.934	5.95		27.721	0.743	1485.	0.7
1089	1100.0	4.119	34.937	5.95		27.723	0.752	1485.	0.6
1108	1119.8	4.112	34.937	5.98		27.725	0.761	1485.	0.6
1128	1139.7	4.108	34.939	5.98		27.726	0.771	1486.	0.6
1148	1160.2	4.107	34.941	5.93		27.728	0.780	1486.	0.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	54	05 MAY 1981	01.7	40°29.7 N	67°48.3 W	120

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
0	0.0	6.646	32.844	6.82		25.767	0.000	1475.	0.8
3	2.9	6.646	32.844	6.82		25.767	0.007	1475.	0.8
4	4.1	6.647	32.843	6.71		25.767	0.009	1475.	0.8
6	6.0	6.646	32.844	6.63		25.767	0.013	1475.	0.8
8	7.8	6.646	32.844	6.61		25.768	0.017	1475.	0.8
10	10.2	6.646	32.844	6.67		25.767	0.023	1475.	1.2
12	11.8	6.645	32.843	6.77		25.767	0.026	1475.	1.7
14	14.0	6.633	32.843	6.77		25.769	0.031	1475.	2.0
16	16.0	6.618	32.844	6.78		25.772	0.035	1475.	2.3
18	18.0	6.579	32.844	6.76		25.776	0.040	1475.	2.4
20	20.1	6.529	32.846	6.73		25.784	0.044	1474.	2.4
22	21.9	6.522	32.850	6.74		25.788	0.049	1474.	2.4
24	23.9	6.519	32.853	6.74		25.791	0.053	1474.	2.2
26	26.2	6.518	32.854	6.71		25.792	0.058	1475.	2.1
27	27.7	6.513	32.855	6.76		25.794	0.061	1475.	2.2
30	30.0	6.504	32.857	6.72		25.796	0.066	1475.	2.8
32	32.1	6.498	32.858	6.73		25.798	0.071	1475.	3.3
34	34.0	6.478	32.861	6.69		25.803	0.075	1474.	4.4
36	36.1	6.452	32.873	6.70		25.816	0.080	1474.	5.1
38	38.0	6.421	32.893	6.72		25.835	0.084	1474.	5.6
40	39.9	6.292	32.891	6.71		25.850	0.088	1474.	5.8
42	41.9	6.079	32.927	6.72		25.905	0.092	1473.	5.8
44	44.1	5.984	32.942	6.71		25.929	0.097	1473.	5.9
45	45.8	5.986	32.952	6.69		25.936	0.100	1473.	6.0
48	48.1	6.014	32.969	6.66		25.946	0.105	1473.	6.2
50	50.1	6.032	32.987	6.67		25.958	0.109	1473.	6.5
52	51.9	5.910	33.022	6.68		26.001	0.113	1473.	6.9
53	53.9	5.863	33.057	6.60		26.034	0.117	1473.	7.2
56	56.2	5.886	33.117	6.55		26.079	0.121	1473.	7.4
57	57.9	6.411	33.276	6.52		26.139	0.124	1475.	7.5
59	60.0	6.687	33.332	6.43		26.147	0.128	1476.	7.6
62	62.2	7.195	33.453	6.34		26.174	0.132	1478.	7.6
63	63.9	7.796	33.613	6.34		26.215	0.135	1481.	7.4
66	66.3	9.103	33.928	6.08		26.263	0.140	1486.	6.9
67	67.9	10.029	34.193	5.96		26.317	0.142	1490.	6.7
69	70.0	11.107	34.468	5.80		26.342	0.146	1494.	6.4
71	72.0	11.077	34.465	5.83		26.345	0.149	1494.	5.8
73	74.0	10.193	34.268	5.87		26.348	0.153	1491.	5.1
75	76.0	9.826	34.222	5.89		26.374	0.156	1489.	4.6
78	78.1	9.936	34.275	5.82		26.397	0.160	1490.	4.5
79	79.8	9.849	34.266	5.80		26.405	0.162	1490.	5.1
82	82.2	9.638	34.226	5.86		26.409	0.166	1489.	5.4
83	83.8	9.441	34.196	5.86		26.418	0.169	1488.	5.6
85	86.0	9.011	34.133	5.90		26.438	0.172	1487.	5.8
87	87.9	8.682	34.134	5.93		26.490	0.175	1485.	6.1
89	90.0	8.563	34.134	5.87		26.509	0.179	1485.	6.4
91	91.2	8.396	34.121	5.82		26.524	0.181	1484.	6.4
91	92.0	8.368	34.121	5.82		26.529	0.182	1484.	6.1
92	93.0	8.372	34.132	5.79		26.537	0.183	1484.	5.4
93	94.1	8.376	34.148	5.76		26.548	0.185	1484.	5.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	54	05 MAY 1981	01.7	40°29.7 N	67°48.3 W	120

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
94	94.9	8.382	34.160	5.72		26.557	0.186	1484.	5.3
95	96.0	8.446	34.182	5.67		26.565	0.188	1485.	5.4
96	97.0	8.503	34.204	5.64		26.573	0.189	1485.	5.3
97	98.0	8.429	34.202	5.66		26.583	0.191	1485.	5.1
98	99.1	8.365	34.204	5.69		26.594	0.192	1484.	4.8
99	99.9	8.361	34.217	5.65		26.605	0.193	1484.	4.6
100	101.0	8.357	34.216	5.59		26.605	0.195	1484.	4.3
101	102.0	8.372	34.224	5.59		26.608	0.196	1485.	4.3
102	103.0	8.355	34.228	5.59		26.614	0.198	1485.	4.3
103	104.1	8.343	34.232	5.63		26.619	0.199	1485.	4.3
104	104.9	8.338	34.233	5.57		26.621	0.201	1485.	4.3

STA 55 DAY: 5 TIME: 0208

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	7.5	100.8	8.1
1.9	7.5	104.7	8.0
4.9	7.5	107.6	8.0
5.8	7.5	113.4	8.0
8.8	7.5	117.2	8.0
12.7	7.5	120.1	8.0
17.5	7.5	121.1	8.1
23.4	7.5	123.9	8.4
28.2	7.5	126.8	8.6
30.2	7.5	128.7	8.9
34.1	7.5	130.7	9.1
37.9	7.5	131.6	9.3
41.8	7.5	134.5	9.3
44.7	7.5	135.5	9.4
47.6	7.5		
49.6	7.8		
51.5	7.9		
52.5	8.1		
53.5	8.5		
54.4	8.9		
54.4	9.2		
56.4	9.8		
57.3	10.2		
57.3	10.8		
58.3	11.3		
59.3	11.7		
60.2	12.1		
62.2	12.5		
63.1	13.0		
63.1	13.4		
65.1	13.8		
66.0	14.0		
68.0	14.1		
69.9	13.9		
70.9	13.6		
72.8	13.3		
73.8	12.8		
73.8	12.4		
74.8	12.0		
74.8	11.5		
75.7	10.8		
78.6	10.4		
78.6	9.9		
80.6	9.6		
81.5	9.3		
85.4	9.0		
88.3	8.8		
90.2	8.6		
94.1	8.3		
97.0	8.2		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	56	05 MAY 1981	02.4	40° 25.8 N	67°48.2 W	153

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
0	0.0	7.965	33.234	6.87		25.893	0.000	1480.	0.9
3	2.9	7.965	33.234	6.87		25.893	0.006	1480.	0.9
4	3.9	7.966	33.234	6.80		25.892	0.008	1480.	0.9
6	5.8	7.966	33.234	6.82		25.892	0.012	1480.	0.9
8	8.2	7.967	33.233	6.86		25.891	0.017	1480.	0.9
10	10.0	7.969	33.234	6.86		25.892	0.021	1480.	1.3
12	11.7	7.972	33.237	6.82		25.893	0.025	1480.	1.5
14	14.1	7.974	33.239	6.81		25.895	0.030	1480.	1.8
16	15.9	7.978	33.243	6.82		25.898	0.033	1480.	2.4
18	17.9	7.987	33.249	6.77		25.901	0.038	1481.	3.2
20	20.2	7.994	33.251	6.78		25.902	0.042	1481.	3.6
22	21.8	8.028	33.267	6.79		25.909	0.046	1481.	3.8
24	24.1	8.122	33.310	6.74		25.929	0.050	1481.	3.8
26	26.2	8.266	33.372	6.74		25.956	0.055	1482.	4.0
28	27.8	8.283	33.375	6.64		25.956	0.058	1482.	4.1
30	30.0	8.282	33.374	6.60		25.955	0.062	1482.	4.0
32	32.2	8.302	33.382	6.64		25.958	0.067	1482.	4.0
34	33.8	8.411	33.429	6.63		25.979	0.070	1483.	4.4
36	36.0	8.573	33.475	6.60		25.991	0.075	1483.	5.5
38	38.2	8.677	33.512	6.64		26.004	0.079	1484.	6.3
40	39.9	8.907	33.585	6.60		26.025	0.083	1485.	7.2
42	42.0	9.442	33.730	6.49		26.053	0.087	1487.	7.7
44	43.9	9.971	33.942	6.35		26.131	0.090	1489.	8.0
46	46.3	10.537	34.103	6.19		26.159	0.095	1491.	8.0
48	47.9	11.026	34.319	6.05		26.241	0.098	1493.	8.0
50	50.1	10.849	34.307	6.10		26.264	0.102	1493.	8.1
51	51.9	10.589	34.258	5.97		26.271	0.105	1492.	8.0
54	53.9	10.243	34.213	5.90		26.296	0.108	1491.	8.5
56	56.3	9.992	34.249	5.91		26.367	0.112	1490.	8.5
57	57.8	9.749	34.261	5.87		26.417	0.115	1489.	8.6
60	60.0	9.486	34.275	5.83		26.472	0.118	1488.	8.3
61	61.9	9.611	34.416	5.72		26.562	0.121	1489.	7.7
64	64.0	9.759	34.458	5.63		26.570	0.124	1489.	6.8
65	66.0	9.642	34.438	5.65		26.574	0.127	1489.	5.9
67	68.0	9.487	34.420	5.61		26.586	0.130	1488.	4.9
70	70.3	9.382	34.410	5.66		26.595	0.133	1488.	4.0
71	71.9	9.329	34.418	5.65		26.610	0.136	1488.	4.0
74	74.2	9.360	34.443	5.61		26.624	0.139	1488.	3.9
75	75.9	9.417	34.460	5.54		26.628	0.141	1488.	3.7
77	77.9	9.480	34.488	5.52		26.640	0.144	1489.	3.6
80	80.2	9.550	34.507	5.53		26.642	0.147	1489.	3.4
81	81.7	9.627	34.525	5.50		26.644	0.150	1489.	3.3
83	84.1	9.648	34.544	5.43		26.656	0.153	1489.	3.2
85	86.1	9.666	34.565	5.50		26.669	0.156	1490.	3.1
87	87.8	9.651	34.565	5.50		26.672	0.158	1489.	3.0
89	90.0	9.549	34.546	5.47		26.674	0.161	1489.	2.9
91	92.1	9.491	34.542	5.47		26.680	0.164	1489.	2.5
93	94.1	9.397	34.526	5.48		26.683	0.167	1489.	2.2
95	96.0	9.183	34.485	5.52		26.686	0.169	1488.	2.0
97	98.0	9.138	34.479	5.52		26.688	0.172	1488.	1.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	56	05 MAY 1981	02.4	40°25.8 N	67°48.2 W	153

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	100.2	9.122	34.477	5.52		26.689	0.175	1488.	1.9
101	102.0	9.132	34.480	5.41		26.690	0.177	1488.	1.9
103	104.1	9.116	34.477	5.44		26.690	0.180	1488.	2.1
105	105.8	9.092	34.475	5.44		26.693	0.183	1488.	2.3
107	108.1	9.024	34.472	5.38		26.701	0.186	1487.	2.4
109	109.7	9.010	34.471	5.40		26.702	0.188	1487.	2.4
111	112.0	8.801	34.437	5.39		26.709	0.191	1487.	2.3
113	114.3	8.785	34.437	5.41		26.712	0.194	1487.	2.4
115	115.9	8.771	34.437	5.41		26.714	0.196	1487.	2.5
117	118.1	8.788	34.441	5.39		26.714	0.199	1487.	2.7
119	120.2	8.780	34.440	5.40		26.715	0.202	1487.	3.0
121	121.8	8.726	34.446	5.28		26.728	0.204	1487.	3.3
123	123.9	8.706	34.451	5.24		26.735	0.207	1486.	3.6
125	126.1	8.693	34.459	5.29		26.743	0.210	1486.	4.1
127	127.8	8.679	34.474	5.36		26.758	0.212	1486.	4.6
129	130.1	8.668	34.478	5.36		26.762	0.215	1486.	5.9
131	132.2	8.645	34.487	5.34		26.773	0.218	1486.	6.8
133	133.8	8.508	34.500	5.21		26.804	0.220	1486.	7.4
135	136.1	8.583	34.550	5.11		26.832	0.223	1486.	7.8
137	138.1	8.986	34.784	5.02		26.952	0.225	1488.	8.2
139	139.9	9.183	34.847	4.82		26.969	0.227	1489.	8.2
140	141.2	9.309	34.894	4.75		26.985	0.228	1490.	7.7
141	142.1	9.340	34.910	4.74		26.993	0.229	1490.	6.7
142	142.9	9.358	34.918	4.73		26.996	0.230	1490.	6.7
143	144.0	9.399	34.934	4.71		27.002	0.231	1490.	6.7
144	145.0	9.408	34.936	4.71		27.002	0.232	1490.	6.7
145	145.8	9.415	34.945	4.72		27.008	0.233	1490.	6.7

STA 57 DAY: 5 TIME: 0246

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	7.9	141.2	9.3
3.9	7.9	144.1	9.2
8.8	7.9	146.0	9.2
15.6	7.9	148.9	9.1
19.5	7.9	150.8	9.1
24.3	7.9		
28.2	8.0		
33.1	8.0		
37.0	8.0		
41.8	8.0		
44.7	8.0		
48.6	8.0		
51.5	8.1		
55.4	8.2		
57.3	8.2		
61.2	8.2		
64.1	8.2		
65.1	8.4		
66.0	8.7		
68.0	9.1		
69.9	9.2		
72.8	9.5		
73.8	9.7		
76.7	9.8		
79.6	9.9		
80.6	9.9		
82.5	9.9		
83.5	9.7		
84.4	9.4		
86.4	9.3		
87.3	9.0		
89.2	8.7		
91.2	8.7		
93.1	8.7		
95.0	8.6		
97.9	8.7		
98.9	8.8		
101.8	8.9		
102.8	9.0		
104.7	9.0		
106.6	9.1		
108.5	9.2		
113.4	9.2		
117.2	9.2		
120.1	9.2		
123.9	9.2		
128.7	9.2		
132.6	9.3		
134.5	9.3		
138.3	9.3		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	58	05 MAY 1981	03.1	40°22.0 N	67°47.8 W	165

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
0	0.0	8.587	33.389	6.73		25.921	0.000	1483.	0.3
3	2.8	8.587	33.389	6.73		25.921	0.006	1483.	0.3
4	4.1	8.588	33.389	6.77		25.921	0.009	1483.	0.3
6	6.1	8.588	33.389	6.68		25.921	0.013	1483.	0.3
8	8.0	8.588	33.389	6.64		25.921	0.016	1483.	0.3
10	10.0	8.587	33.390	6.68		25.922	0.021	1483.	0.4
12	12.1	8.589	33.389	6.71		25.921	0.025	1483.	0.6
14	14.1	8.589	33.389	6.66		25.921	0.029	1483.	0.9
16	15.9	8.584	33.388	6.63		25.921	0.033	1483.	1.1
18	18.2	8.577	33.388	6.63		25.922	0.038	1483.	1.2
20	20.0	8.567	33.388	6.63		25.924	0.041	1483.	1.4
22	21.9	8.549	33.389	6.61		25.927	0.045	1483.	1.9
24	24.2	8.549	33.389	6.63		25.927	0.050	1483.	2.8
26	26.0	8.549	33.389	6.64		25.927	0.054	1483.	3.9
28	27.9	8.547	33.394	6.55		25.931	0.058	1483.	5.4
30	30.1	8.527	33.404	6.55		25.942	0.062	1483.	6.9
32	32.2	8.395	33.419	6.59		25.974	0.067	1483.	8.7
33	33.7	8.260	33.452	6.50		26.020	0.070	1482.	9.8
36	36.1	8.137	33.527	6.43		26.097	0.074	1482.	10.5
38	38.0	8.042	33.638	6.43		26.199	0.078	1482.	10.7
39	39.8	8.059	33.800	6.27		26.323	0.081	1482.	10.4
42	42.1	8.230	33.911	6.11		26.385	0.085	1483.	9.8
44	44.0	8.474	34.005	6.00		26.421	0.088	1484.	8.7
46	46.1	8.649	34.085	5.95		26.457	0.091	1485.	7.4
48	48.0	8.724	34.119	5.92		26.472	0.094	1485.	6.1
50	50.0	8.893	34.191	5.88		26.502	0.097	1486.	5.2
52	52.1	8.930	34.208	5.88		26.509	0.101	1486.	4.5
54	54.0	8.937	34.215	5.87		26.514	0.103	1486.	3.9
56	56.0	9.024	34.244	5.84		26.523	0.106	1486.	3.5
58	58.0	9.041	34.250	5.78		26.524	0.110	1486.	3.3
60	60.0	9.098	34.275	5.80		26.535	0.113	1487.	3.4
62	62.1	9.240	34.309	5.80		26.539	0.116	1487.	3.5
63	63.9	9.301	34.331	5.74		26.546	0.118	1488.	3.5
65	66.0	9.380	34.367	5.74		26.561	0.121	1488.	3.9
68	68.1	9.391	34.379	5.78		26.569	0.125	1488.	4.5
69	69.9	9.544	34.420	5.70		26.576	0.127	1489.	6.0
71	72.0	9.632	34.439	5.65		26.576	0.130	1489.	7.0
73	74.0	9.816	34.523	5.58		26.611	0.133	1490.	7.5
76	76.2	9.422	34.494	5.59		26.653	0.136	1488.	7.7
77	77.9	9.140	34.590	5.39		26.775	0.139	1487.	7.6
79	80.0	9.085	34.613	5.23		26.802	0.141	1487.	7.1
81	81.9	9.067	34.613	5.16		26.805	0.144	1487.	6.2
84	84.2	9.023	34.607	5.12		26.807	0.146	1487.	5.0
85	85.9	8.965	34.604	5.14		26.814	0.149	1487.	3.4
88	88.3	9.020	34.632	5.13		26.827	0.152	1487.	3.1
89	89.8	9.025	34.633	5.16		26.827	0.153	1487.	3.2
91	92.0	9.003	34.641	5.11		26.837	0.156	1487.	3.3
93	94.1	9.012	34.650	5.13		26.842	0.159	1487.	3.2
95	95.9	9.036	34.662	5.11		26.848	0.161	1487.	3.0
97	98.0	9.143	34.694	5.08		26.856	0.163	1488.	3.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	58	05 MAY 1981	03.1	40°22.0 N	67°47.8 W	165

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	99.9	9.177	34.707	5.09		26.861	0.166	1488.	3.0
101	102.0	9.203	34.718	5.04		26.865	0.168	1488.	3.4
103	104.2	9.222	34.728	5.06		26.870	0.171	1488.	3.7
105	106.0	9.240	34.738	5.05		26.875	0.173	1488.	4.1
107	107.7	9.268	34.761	5.00		26.888	0.175	1489.	4.4
109	110.0	9.305	34.795	4.99		26.908	0.178	1489.	4.7
111	112.2	9.397	34.838	4.98		26.927	0.180	1489.	4.9
113	114.0	9.457	34.872	4.90		26.944	0.182	1490.	5.0
115	116.1	9.482	34.888	4.88		26.952	0.185	1490.	4.9
117	117.9	9.540	34.919	4.86		26.967	0.186	1490.	4.7
119	120.2	9.555	34.955	4.79		26.993	0.189	1490.	4.5
121	121.9	9.555	34.969	4.72		27.004	0.191	1490.	4.3
123	124.0	9.540	34.971	4.70		27.008	0.193	1490.	4.5
125	126.2	9.542	34.980	4.71		27.014	0.195	1490.	4.5
127	127.8	9.554	34.998	4.66		27.026	0.197	1490.	4.5
129	130.0	9.569	35.017	4.63		27.038	0.199	1490.	4.5
131	132.1	9.610	35.066	4.62		27.070	0.202	1491.	4.6
133	134.0	9.629	35.085	4.57		27.082	0.203	1491.	4.8
135	136.0	9.588	35.083	4.49		27.087	0.205	1491.	5.0
137	137.8	9.543	35.078	4.47		27.091	0.207	1491.	4.9
139	140.0	9.494	35.092	4.45		27.109	0.209	1490.	4.7
141	142.0	9.436	35.117	4.45		27.139	0.211	1490.	4.5
143	144.0	9.391	35.138	4.40		27.163	0.213	1490.	4.3
145	146.0	9.387	35.139	4.39		27.165	0.215	1490.	4.0
147	147.9	9.385	35.140	4.36		27.166	0.217	1490.	3.3
149	150.0	9.384	35.141	4.33		27.166	0.219	1490.	2.3
150	151.2	9.384	35.142	4.35		27.167	0.220	1490.	1.1
151	151.9	9.383	35.141	4.33		27.166	0.220	1490.	1.0
152	153.0	9.383	35.142	4.34		27.167	0.221	1490.	0.9
153	154.0	9.382	35.142	4.34		27.167	0.222	1490.	0.9
154	155.0	9.382	35.142	4.32		27.167	0.223	1490.	0.9
155	156.0	9.381	35.142	4.33		27.168	0.224	1490.	0.8
156	157.1	9.380	35.142	4.33		27.168	0.225	1490.	0.6
157	158.0	9.380	35.142	4.35		27.168	0.226	1490.	0.4
158	159.1	9.381	35.143	4.36		27.168	0.227	1490.	0.1
159	159.9	9.382	35.142	4.35		27.168	0.228	1490.	0.8
160	161.0	9.383	35.142	4.33		27.168	0.229	1490.	0.8
161	162.0	9.384	35.142	4.33		27.167	0.230	1490.	0.8
162	162.9	9.384	35.143	4.33		27.168	0.231	1490.	0.8
163	164.0	9.383	35.139	4.32		27.165	0.232	1490.	0.8

STA 59 DAY: 5 TIME: 0334

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.9	7.7	215.8	9.2
3.9	7.7	220.5	9.2
7.8	7.7	226.3	9.1
12.7	7.7	231.0	9.1
18.5	7.8	236.7	9.1
24.3	7.8	240.5	9.1
30.2	7.8	246.2	9.1
32.1	7.9	249.0	9.1
33.1	8.0	253.8	9.1
36.0	8.0	255.7	9.0
37.9	8.0	257.6	8.9
40.9	7.9	260.4	8.8
42.8	7.9	263.3	8.8
46.7	7.9	267.0	8.8
50.6	7.8		
53.5	7.8		
56.4	7.7		
62.2	7.7		
66.0	7.9		
69.9	8.1		
69.9	8.5		
72.8	8.8		
77.7	8.9		
84.4	8.9		
90.2	8.9		
95.0	8.9		
102.8	8.9		
106.6	8.9		
111.4	8.9		
113.4	8.9		
115.3	9.0		
120.1	9.0		
126.8	9.0		
131.6	9.0		
138.3	9.0		
142.2	9.0		
147.0	9.1		
151.8	9.1		
155.6	9.1		
161.4	9.1		
166.2	9.1		
171.9	9.1		
177.6	9.1		
183.4	9.1		
188.1	9.1		
193.9	9.1		
198.6	9.1		
204.4	9.1		
209.1	9.1		
212.0	9.2		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	60	05 MAY 1981	04.1	40°16.3 N	67°47.0 W	535

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
6	6.1	7.648	33.242	6.80		25.944	0.000	1479.	0.2
8	8.0	7.651	33.242	6.80		25.944	0.004	1479.	0.2
10	9.9	7.649	33.242	6.81		25.944	0.008	1479.	0.2
12	11.9	7.644	33.241	6.78		25.944	0.012	1479.	0.2
14	14.0	7.647	33.242	6.77		25.944	0.016	1479.	0.2
16	16.4	7.650	33.242	6.80		25.944	0.021	1479.	0.3
18	17.7	7.648	33.241	6.77		25.944	0.024	1479.	0.4
20	20.0	7.646	33.241	6.70		25.944	0.028	1479.	1.1
22	22.2	7.648	33.241	6.73		25.944	0.033	1479.	2.0
24	23.8	7.641	33.241	6.76		25.944	0.036	1479.	3.0
26	26.0	7.626	33.239	6.73		25.945	0.041	1479.	3.8
28	28.1	7.570	33.239	6.74		25.953	0.045	1479.	5.0
30	29.8	7.495	33.252	6.76		25.974	0.049	1479.	6.4
32	32.0	7.358	33.264	6.72		26.003	0.053	1478.	7.1
34	34.1	7.319	33.281	6.67		26.022	0.057	1478.	7.4
35	35.8	7.400	33.374	6.65		26.083	0.060	1479.	7.4
38	38.0	7.712	33.550	6.50		26.178	0.065	1480.	7.2
40	39.9	7.744	33.557	6.41		26.178	0.068	1480.	7.2
42	42.0	7.766	33.564	6.38		26.180	0.072	1480.	7.7
44	44.2	7.849	33.600	6.38		26.196	0.076	1481.	7.9
46	45.9	7.986	33.660	6.28		26.224	0.079	1482.	8.2
48	48.0	8.029	33.743	6.24		26.283	0.083	1482.	8.6
50	50.1	8.256	33.953	6.21		26.414	0.086	1483.	8.7
52	52.1	8.410	34.029	6.11		26.449	0.089	1484.	8.8
53	53.8	8.604	34.110	5.90		26.483	0.092	1485.	8.5
55	55.9	8.655	34.124	5.85		26.486	0.095	1485.	7.8
58	58.1	8.897	34.203	5.79		26.511	0.099	1486.	6.8
59	59.8	9.477	34.424	5.69		26.590	0.101	1488.	6.6
62	62.0	9.706	34.510	5.60		26.619	0.104	1489.	6.4
64	64.0	9.731	34.521	5.60		26.624	0.107	1489.	6.1
65	65.8	9.787	34.543	5.57		26.632	0.110	1490.	5.3
67	68.0	10.066	34.641	5.51		26.660	0.113	1491.	4.2
69	70.0	10.149	34.683	5.52		26.679	0.116	1491.	3.9
71	72.0	10.144	34.680	5.46		26.678	0.118	1491.	3.9
73	74.0	10.140	34.679	5.38		26.678	0.121	1491.	3.7
75	75.9	10.128	34.678	5.39		26.679	0.124	1491.	3.7
78	78.1	10.177	34.711	5.36		26.696	0.127	1491.	4.2
79	79.9	10.245	34.743	5.31		26.709	0.129	1492.	4.8
81	82.0	10.295	34.762	5.27		26.716	0.132	1492.	5.6
83	84.0	10.433	34.828	5.26		26.743	0.135	1493.	5.9
85	86.0	10.661	34.913	5.17		26.769	0.137	1493.	5.8
87	88.1	10.748	34.968	5.16		26.796	0.140	1494.	5.6
89	89.9	10.957	35.076	5.15		26.843	0.142	1495.	5.1
91	92.0	11.029	35.091	5.09		26.842	0.145	1495.	4.4
93	94.0	11.065	35.104	5.07		26.845	0.147	1495.	3.4
95	95.9	11.096	35.108	5.04		26.843	0.149	1495.	2.3
97	98.2	11.132	35.120	5.06		26.846	0.152	1496.	1.3
99	99.9	11.153	35.124	5.08		26.845	0.154	1496.	2.3
101	102.2	11.156	35.125	5.08		26.845	0.157	1496.	3.1
103	103.9	11.171	35.131	5.02		26.846	0.159	1496.	3.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	60	05 MAY 1981	04.1	40°16.3 N	67°47.0 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
105	105.9	11.265	35.165	5.01		26.856	0.162	1496.	4.0
107	108.2	11.471	35.246	5.04		26.881	0.164	1497.	4.3
109	109.8	11.659	35.319	5.02		26.903	0.166	1498.	4.4
111	112.1	11.825	35.368	4.98		26.910	0.169	1499.	4.3
113	113.9	11.976	35.412	4.95		26.914	0.171	1499.	4.0
115	116.1	12.152	35.471	4.95		26.927	0.173	1500.	3.5
117	117.9	12.269	35.509	4.96		26.933	0.176	1500.	3.1
119	120.2	12.369	35.545	4.90		26.942	0.178	1501.	3.0
121	121.9	12.389	35.553	4.89		26.944	0.180	1501.	2.8
123	124.0	12.431	35.568	4.92		26.947	0.182	1501.	2.5
125	126.2	12.465	35.584	4.96		26.953	0.185	1501.	2.4
127	127.9	12.473	35.589	4.98		26.955	0.187	1501.	2.3
129	129.8	12.484	35.593	4.94		26.956	0.189	1501.	2.4
131	132.0	12.483	35.596	4.97		26.959	0.191	1501.	2.3
133	134.1	12.448	35.596	5.00		26.965	0.194	1501.	2.2
135	136.1	12.402	35.590	5.05		26.970	0.196	1501.	2.1
137	137.8	12.382	35.586	5.05		26.971	0.198	1501.	2.1
139	140.0	12.356	35.584	5.03		26.974	0.200	1501.	1.9
141	142.1	12.345	35.581	5.03		26.974	0.203	1501.	1.7
143	144.2	12.330	35.579	5.02		26.976	0.205	1501.	1.5
145	145.9	12.310	35.577	4.94		26.978	0.207	1501.	1.4
147	148.0	12.290	35.574	4.94		26.979	0.209	1501.	1.0
149	150.1	12.286	35.573	4.94		26.980	0.212	1501.	0.3
151	152.0	12.276	35.573	4.93		26.981	0.214	1501.	0.9
153	154.0	12.271	35.568	4.88		26.978	0.216	1501.	1.3
155	156.1	12.269	35.563	4.89		26.975	0.218	1501.	1.7
156	157.8	12.251	35.556	4.82		26.973	0.220	1501.	2.1
159	159.9	12.160	35.553	4.75		26.988	0.222	1501.	2.4
161	162.1	12.138	35.550	4.77		26.991	0.225	1501.	2.7
162	163.7	12.124	35.553	4.76		26.995	0.227	1501.	3.0
165	166.0	12.110	35.555	4.73		27.000	0.229	1501.	3.0
167	168.1	12.089	35.553	4.74		27.002	0.231	1501.	2.9
169	170.2	11.979	35.534	4.72		27.009	0.234	1500.	2.9
171	171.9	11.903	35.531	4.52		27.021	0.236	1500.	3.0
173	174.1	11.849	35.520	4.44		27.022	0.238	1500.	3.1
175	175.9	11.806	35.515	4.39		27.027	0.240	1500.	3.2
177	178.0	11.660	35.483	4.39		27.029	0.242	1499.	3.1
179	180.3	11.237	35.393	4.48		27.039	0.244	1498.	3.0
180	181.6	10.953	35.330	4.48		27.042	0.246	1497.	3.1
182	184.0	10.952	35.345	4.45		27.054	0.248	1497.	3.1
184	186.0	11.131	35.387	4.45		27.054	0.250	1497.	3.0
187	188.1	11.183	35.410	4.47		27.062	0.253	1498.	2.8
188	189.9	11.207	35.423	4.46		27.068	0.254	1498.	2.7
190	192.0	11.184	35.421	4.40		27.070	0.257	1498.	2.5
192	194.0	11.133	35.414	4.42		27.074	0.259	1498.	2.5
195	196.2	11.089	35.408	4.41		27.077	0.261	1497.	2.3
196	197.7	11.065	35.406	4.30		27.081	0.262	1497.	2.2
198	200.0	11.045	35.405	4.25		27.084	0.265	1497.	2.2
200	202.0	10.982	35.395	4.27		27.087	0.267	1497.	2.4
203	204.3	10.957	35.388	4.26		27.086	0.269	1497.	2.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	60	05 MAY 1981	04.1	40°16.3 N	67°47.0 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
204	205.9	10.899	35.383	4.19		27.093	0.271	1497.	2.9
206	208.0	10.778	35.358	4.19		27.095	0.273	1496.	3.0
208	210.0	10.591	35.330	4.22		27.107	0.275	1496.	3.3
210	212.1	10.488	35.316	4.23		27.114	0.277	1495.	3.6
212	213.9	10.197	35.256	4.22		27.118	0.279	1494.	3.6
214	216.0	9.823	35.177	4.22		27.121	0.281	1493.	3.7
216	218.0	9.758	35.180	4.26		27.135	0.283	1493.	3.7
218	219.9	9.689	35.180	4.28		27.146	0.285	1493.	3.7
220	222.0	9.635	35.176	4.26		27.152	0.287	1492.	3.6
222	223.9	9.505	35.158	4.29		27.160	0.288	1492.	3.4
224	226.0	9.463	35.165	4.25		27.172	0.290	1492.	3.0
226	228.0	9.461	35.166	4.25		27.173	0.292	1492.	2.8
228	230.2	9.444	35.164	4.25		27.174	0.294	1492.	2.6
230	232.0	9.413	35.163	4.22		27.179	0.296	1492.	2.3
232	234.0	9.397	35.162	4.21		27.180	0.298	1492.	2.2
234	236.1	9.375	35.162	4.21		27.184	0.300	1492.	2.2
236	237.8	9.349	35.160	4.18		27.187	0.301	1492.	2.3
238	240.0	9.312	35.158	4.15		27.191	0.303	1491.	2.2
240	242.0	9.267	35.154	4.16		27.196	0.305	1491.	2.3
242	244.0	9.218	35.142	4.15		27.194	0.307	1491.	2.5
244	246.1	9.153	35.134	4.12		27.199	0.309	1491.	2.7
246	248.0	9.104	35.128	4.13		27.202	0.311	1491.	3.1
248	250.0	9.055	35.126	4.14		27.208	0.312	1491.	3.6
250	252.1	8.928	35.113	4.14		27.219	0.314	1490.	4.0
252	254.0	8.835	35.102	4.11		27.225	0.316	1490.	4.2
254	255.9	8.653	35.083	4.06		27.239	0.318	1489.	4.1
256	258.0	8.432	35.066	4.03		27.260	0.319	1488.	4.0
258	260.0	8.369	35.064	4.03		27.269	0.321	1488.	3.6
260	262.0	8.330	35.060	4.05		27.272	0.323	1488.	3.3
262	264.0	8.305	35.054	4.02		27.270	0.324	1488.	2.9
264	266.0	8.301	35.066	4.02		27.280	0.326	1488.	2.6
266	268.0	8.300	35.058	4.00		27.274	0.328	1488.	2.7
268	270.0	8.268	35.070	4.00		27.288	0.329	1488.	2.9
270	272.0	8.256	35.070	3.96		27.290	0.331	1488.	3.2
272	274.0	8.158	35.059	3.97		27.296	0.333	1488.	3.3
274	276.1	8.020	35.044	3.98		27.306	0.334	1487.	3.4
276	277.9	7.923	35.030	4.01		27.310	0.336	1487.	3.2
278	280.0	7.869	35.033	4.05		27.320	0.338	1487.	3.2
280	282.1	7.827	35.033	4.06		27.326	0.339	1486.	3.1
282	284.2	7.785	35.030	4.07		27.330	0.341	1486.	3.1
284	286.0	7.774	35.030	4.05		27.331	0.342	1486.	3.0
286	288.1	7.751	35.034	4.04		27.338	0.344	1486.	2.9
287	289.8	7.746	35.041	4.07		27.344	0.345	1486.	2.9
290	291.9	7.731	35.051	4.05		27.355	0.347	1486.	2.8
292	294.1	7.722	35.054	4.04		27.358	0.349	1486.	2.6
293	295.9	7.719	35.054	4.03		27.358	0.350	1486.	2.2
295	298.0	7.699	35.055	4.03		27.362	0.352	1486.	1.9
297	299.9	7.690	35.055	4.03		27.364	0.353	1486.	1.6
300	302.3	7.664	35.051	4.05		27.364	0.355	1486.	1.5
301	304.0	7.654	35.048	4.08		27.363	0.356	1486.	1.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	60	05 MAY 1981	04.1	40°16.3 N	67°47.0 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
303	306.0	7.617	35.046	4.08		27.367	0.358	1486.	1.3
305	308.0	7.614	35.045	4.08		27.367	0.359	1486.	1.4
307	310.0	7.608	35.044	4.09		27.367	0.361	1486.	1.4
309	311.9	7.604	35.044	4.08		27.368	0.362	1486.	1.3
311	314.0	7.577	35.044	4.09		27.371	0.364	1486.	1.3
313	316.1	7.575	35.044	4.07		27.371	0.365	1486.	1.4
315	318.1	7.575	35.044	4.09		27.371	0.367	1486.	1.6
317	319.9	7.573	35.045	4.05		27.373	0.368	1486.	1.9
319	322.0	7.562	35.045	4.04		27.374	0.370	1486.	2.1
321	324.2	7.492	35.035	4.09		27.377	0.371	1486.	2.5
323	326.0	7.447	35.031	4.15		27.380	0.373	1486.	2.8
325	328.0	7.372	35.027	4.17		27.388	0.374	1486.	3.1
327	329.8	7.318	35.022	4.23		27.392	0.375	1485.	3.4
329	332.0	7.227	35.018	4.24		27.401	0.377	1485.	3.6
331	334.0	7.173	35.015	4.24		27.407	0.378	1485.	3.6
333	336.0	7.074	35.013	4.29		27.419	0.380	1484.	3.5
335	338.0	7.012	35.015	4.37		27.429	0.381	1484.	3.3
337	340.1	6.956	35.012	4.37		27.435	0.383	1484.	3.2
339	342.2	6.947	35.014	4.40		27.437	0.384	1484.	3.0
341	343.9	6.937	35.015	4.42		27.440	0.385	1484.	2.8
343	346.0	6.916	35.015	4.38		27.443	0.387	1484.	2.8
345	347.9	6.821	35.012	4.42		27.453	0.388	1484.	2.8
347	350.3	6.762	35.006	4.42		27.456	0.390	1483.	2.8
349	352.0	6.716	35.002	4.50		27.460	0.391	1483.	2.8
351	354.0	6.657	34.998	4.50		27.465	0.392	1483.	2.6
353	356.1	6.609	34.997	4.53		27.470	0.393	1483.	2.4
355	358.1	6.603	34.998	4.57		27.472	0.395	1483.	2.3
357	359.9	6.598	34.999	4.55		27.473	0.396	1483.	2.1
359	362.1	6.564	34.998	4.51		27.477	0.397	1483.	1.9
361	364.0	6.545	34.997	4.54		27.479	0.399	1483.	1.7
363	366.1	6.538	34.997	4.57		27.480	0.400	1483.	1.6
365	367.8	6.529	34.997	4.58		27.481	0.401	1483.	1.5
367	370.0	6.520	34.996	4.56		27.482	0.403	1483.	1.4
369	372.1	6.515	34.998	4.54		27.483	0.404	1483.	1.4
371	374.1	6.509	34.997	4.59		27.484	0.405	1483.	1.4
373	375.8	6.498	34.998	4.57		27.486	0.406	1483.	1.3
375	378.0	6.486	34.998	4.53		27.488	0.408	1483.	1.3
377	380.1	6.483	34.997	4.54		27.488	0.409	1483.	1.2
379	382.1	6.471	34.997	4.60		27.489	0.410	1483.	1.1
381	383.9	6.470	34.996	4.60		27.489	0.411	1483.	0.9
383	386.0	6.460	34.996	4.57		27.489	0.413	1483.	0.8
385	388.1	6.456	34.995	4.58		27.490	0.414	1483.	0.8
387	390.0	6.456	34.995	4.63		27.490	0.415	1483.	0.9
388	391.8	6.452	34.995	4.58		27.490	0.417	1483.	1.0
391	394.0	6.443	34.995	4.56		27.491	0.418	1483.	1.2
393	396.1	6.440	34.994	4.57		27.491	0.419	1483.	1.3
395	398.0	6.433	34.996	4.62		27.493	0.421	1483.	1.5
396	399.9	6.426	34.995	4.65		27.494	0.422	1483.	1.5
399	402.0	6.410	34.995	4.64		27.496	0.423	1483.	1.8
401	404.1	6.368	34.991	4.66		27.498	0.424	1483.	1.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	60	05 MAY 1981	04.1	40°16.3 N	67°47.0 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
402	406.0	6.337	34.987	4.70		27.499	0.426	1483.	2.0
404	408.0	6.317	34.985	4.71		27.500	0.427	1483.	2.0
407	410.1	6.251	34.983	4.72		27.507	0.428	1482.	2.1
408	412.0	6.227	34.980	4.75		27.508	0.429	1482.	2.1
410	413.9	6.216	34.980	4.77		27.510	0.431	1482.	2.3
412	416.0	6.207	34.981	4.75		27.511	0.432	1482.	2.3
414	418.1	6.174	34.981	4.75		27.515	0.433	1482.	2.3
416	419.9	6.150	34.982	4.79		27.519	0.434	1482.	2.3
418	421.9	6.120	34.983	4.77		27.524	0.436	1482.	2.3
420	424.0	6.096	34.981	4.75		27.526	0.437	1482.	2.3
422	426.1	6.047	34.978	4.82		27.529	0.438	1482.	2.1
424	427.9	6.031	34.977	4.80		27.531	0.439	1482.	1.9
426	430.0	6.014	34.978	4.76		27.534	0.440	1482.	1.8
428	432.1	6.014	34.980	4.79		27.536	0.442	1482.	1.8
430	433.8	6.015	34.981	4.88		27.536	0.443	1482.	1.8
432	436.0	6.010	34.981	4.82		27.537	0.444	1482.	1.8
434	438.0	5.989	34.981	4.83		27.539	0.445	1482.	1.7
436	440.0	5.973	34.983	4.87		27.543	0.446	1482.	1.7
438	442.1	5.969	34.986	4.89		27.546	0.448	1482.	1.8
440	443.9	5.969	34.986	4.88		27.546	0.449	1482.	1.8
442	446.1	5.976	34.987	4.88		27.546	0.450	1482.	1.8
444	447.9	5.981	34.991	4.88		27.548	0.451	1482.	1.9
446	449.9	5.981	34.995	4.90		27.552	0.452	1482.	2.0
448	452.0	5.971	35.000	4.88		27.556	0.454	1482.	2.3
450	454.0	5.966	35.001	4.88		27.558	0.455	1482.	2.4
452	456.1	5.955	35.001	4.88		27.560	0.456	1482.	2.4
454	457.7	5.923	35.000	4.88		27.563	0.457	1482.	2.3
456	460.0	5.820	34.997	4.88		27.573	0.458	1482.	2.2
458	462.1	5.789	34.990	4.87		27.572	0.459	1481.	2.2
460	464.0	5.794	34.992	4.92		27.573	0.460	1482.	2.0
462	466.0	5.770	34.991	4.97		27.575	0.462	1481.	1.8
464	468.0	5.766	34.993	4.97		27.577	0.463	1481.	1.5
466	470.0	5.761	34.994	4.98		27.578	0.464	1482.	1.5
468	472.1	5.739	34.991	4.99		27.579	0.465	1481.	1.5
470	473.9	5.723	34.991	4.97		27.581	0.466	1481.	1.5
472	476.0	5.712	34.990	4.93		27.581	0.467	1481.	1.6
474	478.0	5.697	34.988	4.97		27.582	0.468	1481.	1.6
476	480.1	5.665	34.985	4.97		27.583	0.469	1481.	1.6
478	481.8	5.618	34.980	5.03		27.585	0.470	1481.	1.6
480	483.9	5.589	34.980	5.02		27.589	0.472	1481.	1.6
482	486.0	5.588	34.980	5.00		27.589	0.473	1481.	1.9
484	488.2	5.584	34.978	5.04		27.588	0.474	1481.	2.1
486	490.0	5.569	34.979	5.13		27.591	0.475	1481.	2.3
488	492.0	5.547	34.979	5.12		27.593	0.476	1481.	2.4
490	494.0	5.507	34.987	5.12		27.605	0.477	1481.	2.7
491	495.8	5.416	34.973	5.16		27.604	0.478	1481.	2.8
494	498.1	5.337	34.965	5.20		27.608	0.479	1480.	2.8
496	500.2	5.263	34.960	5.22		27.612	0.480	1480.	2.7
515	520.0	5.009	34.948	5.36		27.633	0.491	1479.	0.8

STA 61 DAY: 5 TIME: 0445

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	7.9	120.1	12.4	263.3	8.9	466.3	5.9	695.2	4.6
2.9	8.0	125.9	12.4	267.0	8.8	471.8	5.9	700.6	4.5
4.9	8.0	127.8	12.5	268.9	8.7	475.5	5.8	705.9	4.5
8.8	8.0	132.6	12.5	272.7	8.6	481.1	5.8	710.4	4.5
14.6	8.0	136.4	12.5	275.6	8.5	485.7	5.8	716.7	4.5
18.5	8.0	139.3	12.5	277.4	8.4	489.4	5.7	722.1	4.5
21.4	7.9	142.2	12.4	281.2	8.3	494.0	5.7	727.5	4.5
24.3	7.9	144.1	12.3	284.1	8.2	499.5	5.7	733.7	4.5
29.2	7.9	147.9	12.3	285.9	8.2	504.1	5.7	739.1	4.5
32.1	7.9	149.9	12.2	289.7	8.0	508.7	5.6	743.6	4.5
37.0	7.9	153.7	12.2	293.5	8.0	513.3	5.6	748.0	4.5
38.9	7.9	158.5	12.1	297.3	7.9	515.2	5.5	749.8	4.4
41.8	7.8	161.4	12.1	302.0	7.8	518.8	5.4		
43.8	7.8	165.2	12.0	305.8	7.8	525.3	5.3		
45.7	7.6	168.1	11.9	309.5	7.6	528.0	5.3		
46.7	7.8	171.9	11.8	313.3	7.6	532.6	5.3		
46.7	8.1	174.8	11.7	317.1	7.5	537.2	5.3		
47.6	8.5	176.7	11.7	319.9	7.6	540.9	5.2		
48.6	8.8	179.5	11.6	323.6	7.6	544.5	5.1		
49.6	9.0	181.5	11.5	327.4	7.5	546.4	5.0		
51.5	8.7	185.3	11.4	332.1	7.3	550.0	5.0		
52.5	8.9	187.2	11.3	335.9	7.3	552.8	5.0		
53.5	9.3	192.0	11.3	340.5	7.2	556.4	5.0		
54.4	9.7	193.9	11.2	344.3	7.1	559.2	5.0		
55.4	9.9	196.7	11.2	349.9	7.0	562.8	4.9		
57.3	10.0	198.6	11.1	354.6	7.0	568.3	4.8		
57.3	10.3	202.5	11.0	359.3	7.0	575.6	4.9		
60.2	10.5	204.4	10.9	363.0	6.9	581.1	4.9		
62.2	10.6	207.2	10.8	367.7	6.9	586.5	4.9		
66.0	10.7	211.0	10.8	373.3	6.9	592.0	4.9		
69.9	10.8	213.9	10.7	377.1	6.9	596.6	4.8		
72.8	10.9	217.7	10.7	381.7	6.9	602.0	4.8		
75.7	11.1	219.6	10.6	389.2	6.9	605.7	4.8		
76.7	11.2	221.5	10.5	392.9	6.9	611.1	4.7		
79.6	11.4	224.4	10.3	397.6	6.9	616.6	4.7		
82.5	11.4	225.3	10.1	400.4	6.8	620.2	4.8		
84.4	11.5	228.2	10.0	403.2	6.6	624.7	4.8		
87.3	11.7	232.0	9.9	406.9	6.5	631.1	4.7		
89.2	11.7	234.8	9.9	411.6	6.5	635.6	4.7		
92.1	11.7	237.7	9.9	417.2	6.5	641.9	4.7		
96.0	11.7	240.5	9.9	421.8	6.5	645.6	4.7		
97.9	11.8	242.4	9.7	427.4	6.5	648.3	4.7		
99.9	11.9	243.4	9.5	432.0	6.5	652.8	4.7		
103.7	12.0	245.2	9.4	434.8	6.4	658.2	4.7		
105.6	12.1	247.1	9.3	437.6	6.3	664.5	4.7		
109.5	12.0	248.1	9.2	440.4	6.2	668.1	4.6		
111.4	12.0	250.0	9.1	445.0	6.1	674.5	4.6		
114.3	12.1	251.9	9.0	449.6	6.1	679.0	4.5		
116.2	12.2	255.7	9.0	454.3	6.0	685.3	4.6		
117.2	12.3	259.5	8.9	459.8	6.0	689.8	4.6		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	62	05 MAY 1981	05.1	40°13.4 N	67°46.7 W	1120

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
0	0.0	7.161	33.030	6.96		25.845	0.000	1477.	2.9
3	2.9	7.161	33.030	6.96		25.845	0.006	1477.	2.9
4	3.8	7.159	33.029	6.96		25.845	0.008	1477.	2.9
6	6.1	7.159	33.029	6.94		25.845	0.013	1477.	2.9
8	7.8	7.161	33.030	6.92		25.845	0.017	1477.	2.9
10	10.1	7.159	33.029	6.91		25.845	0.022	1477.	3.4
12	11.7	7.158	33.052	6.91		25.864	0.025	1477.	3.9
14	14.1	7.161	33.077	6.89		25.882	0.030	1477.	4.5
16	16.1	7.177	33.082	6.90		25.884	0.034	1477.	5.0
18	18.0	7.301	33.123	6.80		25.900	0.038	1478.	5.3
20	20.2	7.618	33.212	6.77		25.925	0.043	1479.	5.3
22	21.7	7.664	33.241	6.80		25.942	0.046	1479.	5.3
24	24.1	7.701	33.292	6.75		25.976	0.051	1480.	5.1
26	26.1	7.581	33.289	6.77		25.991	0.055	1479.	4.6
28	27.7	7.546	33.290	6.72		25.996	0.058	1479.	3.9
30	30.0	7.475	33.281	6.74		26.000	0.063	1479.	3.4
32	32.1	7.351	33.263	6.79		26.003	0.067	1478.	3.7
34	34.0	7.295	33.258	6.78		26.006	0.071	1478.	5.1
36	36.1	7.301	33.262	6.77		26.009	0.075	1478.	6.4
38	37.9	7.334	33.281	6.74		26.019	0.079	1478.	7.2
40	39.9	7.398	33.369	6.63		26.080	0.083	1479.	7.6
42	42.0	7.501	33.500	6.60		26.168	0.086	1479.	7.7
44	44.0	7.545	33.570	6.53		26.217	0.090	1480.	7.4
45	45.8	7.549	33.588	6.39		26.231	0.093	1480.	6.6
48	48.0	7.680	33.629	6.33		26.244	0.097	1480.	5.7
50	50.0	7.727	33.649	6.34		26.253	0.101	1481.	5.3
52	52.1	7.759	33.657	6.23		26.254	0.104	1481.	5.5
54	54.0	7.832	33.679	6.27		26.261	0.108	1481.	6.2
56	55.9	7.959	33.743	6.24		26.293	0.111	1482.	7.1
58	58.1	7.849	33.814	6.24		26.365	0.115	1481.	8.0
59	59.9	7.748	33.814	6.13		26.380	0.118	1481.	8.5
62	62.1	7.712	33.871	6.10		26.430	0.121	1481.	8.5
63	63.9	8.026	34.024	5.94		26.504	0.124	1482.	8.2
66	66.0	8.528	34.209	5.76		26.573	0.127	1485.	7.6
68	68.2	8.597	34.247	5.76		26.592	0.131	1485.	7.0
69	69.9	8.622	34.259	5.64		26.598	0.133	1485.	6.0
71	71.9	8.722	34.299	5.58		26.614	0.136	1485.	4.9
74	74.1	8.828	34.341	5.60		26.629	0.139	1486.	4.2
75	75.8	8.838	34.349	5.57		26.634	0.141	1486.	4.2
77	78.0	8.859	34.359	5.53		26.639	0.145	1486.	4.3
80	80.1	8.917	34.389	5.56		26.653	0.147	1486.	4.3
81	82.0	9.008	34.426	5.53		26.667	0.150	1487.	4.3
83	83.9	9.153	34.477	5.47		26.684	0.153	1487.	4.6
85	86.1	9.357	34.537	5.44		26.698	0.156	1488.	4.9
87	87.9	9.355	34.544	5.42		26.704	0.158	1488.	5.0
89	90.2	9.262	34.539	5.42		26.715	0.161	1488.	5.1
91	91.9	9.466	34.622	5.33		26.747	0.163	1489.	5.3
93	94.0	9.799	34.723	5.28		26.770	0.166	1490.	5.8
95	96.1	9.994	34.780	5.25		26.781	0.169	1491.	6.0
97	98.0	10.259	34.865	5.13		26.802	0.171	1492.	5.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	62	05 MAY 1981	05.1	40°13.4 N	67°46.7 W	1120

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	10.492	34.952	5.05		26.829	0.174	1493.	5.6
101	102.2	10.839	35.088	5.01		26.874	0.176	1495.	5.3
103	103.7	11.060	35.154	4.96		26.885	0.178	1495.	4.9
105	106.0	11.151	35.176	4.92		26.886	0.181	1496.	4.2
107	108.1	11.227	35.208	4.96		26.897	0.183	1496.	3.3
109	110.1	11.371	35.249	4.87		26.902	0.186	1497.	2.2
111	111.9	11.470	35.272	4.88		26.901	0.188	1497.	1.9
113	114.0	11.524	35.285	4.93		26.901	0.190	1497.	2.2
115	116.0	11.599	35.306	4.98		26.904	0.193	1498.	2.5
117	117.9	11.641	35.312	4.93		26.900	0.195	1498.	3.0
119	120.0	11.796	35.360	4.94		26.908	0.197	1499.	3.3
121	122.0	12.255	35.498	4.96		26.928	0.200	1500.	3.4
123	124.0	12.305	35.526	5.02		26.939	0.202	1501.	3.4
125	126.2	12.334	35.546	5.01		26.949	0.204	1501.	3.2
127	127.8	12.354	35.552	4.88		26.950	0.206	1501.	2.8
129	130.0	12.355	35.554	4.85		26.951	0.209	1501.	2.2
131	131.9	12.354	35.554	4.86		26.952	0.211	1501.	1.7
133	133.9	12.342	35.554	4.86		26.953	0.213	1501.	1.4
135	136.0	12.294	35.547	4.92		26.958	0.215	1501.	1.6
137	138.0	12.279	35.541	4.96		26.956	0.218	1501.	1.7
139	140.0	12.278	35.541	4.93		26.956	0.220	1501.	1.8
141	142.1	12.248	35.534	4.96		26.957	0.222	1501.	1.9
143	144.3	12.171	35.526	5.00		26.966	0.225	1500.	2.0
145	146.0	12.199	35.533	4.97		26.965	0.227	1501.	2.4
147	148.0	12.231	35.545	4.93		26.968	0.229	1501.	2.7
149	150.2	12.244	35.551	4.87		26.971	0.231	1501.	2.8
151	151.9	12.248	35.560	4.72		26.977	0.233	1501.	2.8
153	154.1	12.233	35.572	4.75		26.989	0.236	1501.	2.8
155	155.9	12.191	35.567	4.81		26.994	0.238	1501.	2.7
157	158.2	12.175	35.567	4.78		26.997	0.240	1501.	2.6
159	159.9	12.165	35.567	4.84		26.998	0.242	1501.	2.5
161	162.0	12.142	35.564	4.87		27.000	0.244	1501.	2.3
163	164.1	12.127	35.561	4.90		27.001	0.246	1501.	2.3
165	166.0	12.034	35.550	4.89		27.010	0.249	1500.	2.4
167	168.0	11.956	35.533	4.91		27.013	0.251	1500.	2.5
169	170.1	11.900	35.522	4.85		27.014	0.253	1500.	2.5
171	172.0	11.842	35.514	4.71		27.019	0.255	1500.	2.5
173	174.1	11.788	35.504	4.68		27.022	0.257	1500.	2.4
174	175.7	11.724	35.493	4.59		27.025	0.259	1499.	2.4
177	178.2	11.649	35.484	4.54		27.032	0.262	1499.	2.4
178	179.9	11.627	35.480	4.45		27.034	0.263	1499.	2.4
181	182.0	11.605	35.477	4.37		27.035	0.266	1499.	2.4
182	183.9	11.574	35.473	4.39		27.038	0.268	1499.	2.7
185	186.2	11.537	35.470	4.43		27.043	0.270	1499.	3.0
186	187.8	11.487	35.465	4.45		27.048	0.272	1499.	3.3
188	190.0	11.467	35.461	4.48		27.049	0.274	1499.	3.5
191	192.2	11.326	35.452	4.51		27.068	0.276	1498.	3.5
192	193.7	11.232	35.441	4.47		27.077	0.278	1498.	3.4
194	196.0	11.137	35.426	4.45		27.083	0.280	1498.	3.1
197	198.2	11.044	35.413	4.36		27.090	0.283	1497.	2.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	62	05 MAY 1981	05.1	40°13.4 N	67°46.7 W	1120

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
198	199.9	10.996	35.401	4.23		27.090	0.284	1497.	2.4
200	202.1	10.964	35.397	4.21		27.091	0.286	1497.	2.2
202	204.0	10.938	35.389	4.15		27.090	0.288	1497.	2.3
204	205.9	10.836	35.368	4.12		27.092	0.290	1497.	2.4
206	208.1	10.728	35.356	4.16		27.102	0.293	1496.	2.5
208	210.1	10.689	35.348	4.16		27.103	0.295	1496.	2.8
210	212.0	10.617	35.340	4.13		27.110	0.296	1496.	2.9
212	213.9	10.564	35.332	4.10		27.113	0.298	1496.	3.0
214	216.2	10.451	35.311	4.09		27.117	0.301	1495.	2.9
216	217.8	10.348	35.299	4.09		27.126	0.302	1495.	2.7
218	220.3	10.327	35.302	4.05		27.132	0.305	1495.	2.8
220	221.8	10.282	35.297	4.03		27.136	0.306	1495.	2.8
222	224.0	10.130	35.263	4.05		27.136	0.308	1494.	2.7
224	226.2	10.147	35.267	4.08		27.136	0.310	1494.	2.5
226	228.0	9.972	35.244	4.14		27.148	0.312	1494.	2.5
228	230.0	9.810	35.214	4.16		27.152	0.314	1493.	2.7
230	232.1	9.803	35.213	4.15		27.152	0.316	1493.	2.9
232	233.8	9.801	35.213	4.10		27.153	0.318	1493.	3.2
234	236.0	9.710	35.204	4.00		27.161	0.320	1493.	3.2
236	238.2	9.487	35.169	4.05		27.172	0.322	1492.	3.3
238	240.1	9.313	35.136	4.11		27.174	0.323	1491.	3.4
240	241.8	9.146	35.121	4.07		27.190	0.325	1491.	3.3
242	244.0	9.092	35.115	4.05		27.194	0.327	1491.	3.1
244	246.2	9.054	35.110	4.06		27.196	0.329	1491.	2.7
246	248.0	9.028	35.111	4.06		27.201	0.331	1491.	2.4
248	250.2	9.007	35.110	4.05		27.203	0.333	1490.	2.1
250	251.7	9.006	35.110	4.03		27.204	0.334	1490.	2.0
252	253.9	8.993	35.110	3.94		27.206	0.336	1490.	1.9
254	256.0	8.978	35.110	3.93		27.208	0.338	1490.	1.7
256	258.0	8.961	35.110	3.99		27.211	0.340	1490.	1.9
258	260.0	8.958	35.111	3.99		27.212	0.342	1490.	2.3
260	262.1	8.958	35.112	3.99		27.213	0.343	1490.	2.5
262	264.0	8.954	35.113	4.00		27.214	0.345	1491.	2.7
264	265.9	8.874	35.105	3.97		27.221	0.347	1490.	2.7
266	268.0	8.779	35.105	3.95		27.236	0.349	1490.	2.7
268	270.1	8.746	35.100	3.96		27.238	0.350	1490.	2.6
270	272.0	8.733	35.098	3.93		27.238	0.352	1490.	2.4
272	274.0	8.714	35.097	3.89		27.240	0.354	1490.	2.1
274	276.0	8.698	35.093	3.90		27.240	0.356	1490.	1.9
276	278.0	8.653	35.089	3.94		27.243	0.357	1490.	2.2
278	279.9	8.600	35.081	3.95		27.246	0.359	1489.	2.3
280	281.9	8.554	35.076	3.94		27.249	0.361	1489.	2.6
282	284.0	8.509	35.071	3.94		27.252	0.363	1489.	2.9
284	285.9	8.419	35.065	3.98		27.261	0.364	1489.	2.9
286	288.0	8.416	35.066	3.98		27.262	0.366	1489.	2.9
288	290.1	8.334	35.064	3.99		27.274	0.368	1489.	2.8
290	292.0	8.254	35.054	4.00		27.279	0.369	1488.	2.7
291	294.0	8.239	35.055	3.98		27.281	0.371	1488.	2.4
294	296.1	8.240	35.057	3.96		27.282	0.373	1488.	2.4
295	297.8	8.235	35.059	3.97		27.285	0.374	1488.	2.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	62	05 MAY 1981	05.1	40°13.4 N	67°46.7 W	1120

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	300.0	8.218	35.059	3.96		27.287	0.376	1488.	2.3
300	302.1	8.196	35.057	3.97		27.290	0.378	1488.	2.5
301	304.0	8.153	35.057	3.98		27.296	0.379	1488.	2.6
303	305.9	8.085	35.049	3.98		27.300	0.381	1488.	2.7
305	307.9	8.022	35.044	4.00		27.305	0.383	1488.	2.8
307	310.0	8.031	35.049	4.04		27.308	0.384	1488.	2.8
309	312.0	7.993	35.048	4.04		27.313	0.386	1488.	2.8
311	314.1	7.912	35.043	4.07		27.321	0.388	1487.	2.8
313	315.8	7.867	35.035	4.08		27.322	0.389	1487.	2.9
315	318.0	7.799	35.032	4.08		27.329	0.391	1487.	2.8
318	320.3	7.745	35.027	4.09		27.333	0.393	1487.	2.8
319	321.8	7.686	35.022	4.12		27.338	0.394	1487.	2.7
321	324.0	7.639	35.019	4.08		27.343	0.395	1486.	2.7
323	326.0	7.637	35.020	4.09		27.344	0.397	1486.	2.6
325	328.0	7.571	35.015	4.13		27.349	0.399	1486.	2.5
327	330.0	7.514	35.012	4.15		27.356	0.400	1486.	2.3
329	332.2	7.479	35.009	4.15		27.358	0.402	1486.	2.2
331	333.9	7.466	35.008	4.18		27.359	0.403	1486.	2.2
333	335.9	7.451	35.007	4.14		27.361	0.405	1486.	2.1
335	338.0	7.434	35.006	4.13		27.362	0.406	1486.	2.2
337	340.1	7.402	35.005	4.14		27.366	0.408	1486.	2.3
339	342.0	7.365	35.002	4.19		27.369	0.409	1486.	2.5
341	344.0	7.332	35.001	4.25		27.373	0.411	1486.	2.7
343	346.1	7.284	35.000	4.24		27.379	0.412	1485.	2.8
345	348.1	7.243	34.996	4.27		27.381	0.414	1485.	2.9
347	350.0	7.188	34.997	4.34		27.390	0.415	1485.	3.1
349	352.1	7.154	34.995	4.34		27.393	0.417	1485.	3.2
351	353.9	7.119	34.992	4.34		27.396	0.418	1485.	3.2
353	356.0	7.045	34.996	4.35		27.410	0.420	1485.	3.1
355	358.1	7.024	35.001	4.34		27.417	0.421	1485.	2.8
357	360.0	7.058	35.015	4.34		27.423	0.422	1485.	2.6
359	362.1	7.073	35.019	4.31		27.424	0.424	1485.	2.2
361	363.7	7.085	35.022	4.29		27.424	0.425	1485.	1.9
363	366.0	7.103	35.025	4.28		27.425	0.427	1485.	1.8
365	368.1	7.106	35.027	4.26		27.426	0.428	1485.	1.9
367	369.9	7.102	35.028	4.25		27.427	0.429	1485.	2.1
369	372.1	7.044	35.028	4.23		27.435	0.431	1485.	2.3
371	374.1	7.008	35.025	4.24		27.438	0.432	1485.	2.5
373	376.0	7.006	35.027	4.26		27.440	0.434	1485.	2.5
375	377.9	7.003	35.031	4.33		27.443	0.435	1485.	2.3
377	380.1	6.989	35.039	4.33		27.451	0.436	1485.	2.1
379	382.0	6.973	35.039	4.34		27.454	0.438	1485.	2.1
381	383.9	6.968	35.036	4.32		27.452	0.439	1485.	2.0
383	386.0	6.959	35.035	4.32		27.452	0.440	1485.	1.9
385	388.4	6.920	35.035	4.32		27.458	0.442	1485.	1.9
386	389.7	6.922	35.035	4.32		27.458	0.443	1485.	2.0
389	392.0	6.910	35.037	4.28		27.460	0.445	1485.	2.1
391	394.1	6.858	35.031	4.29		27.464	0.446	1485.	2.2
392	395.9	6.832	35.033	4.34		27.468	0.447	1485.	2.2
395	398.0	6.834	35.036	4.37		27.471	0.449	1485.	2.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	62	05 MAY 1981	05.1	40°13.4 N	67°46.7 W	1120

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
397	400.0	6.833	35.038	4.37		27.472	0.450	1485.	2.5
399	402.2	6.827	35.042	4.37		27.476	0.451	1485.	2.6
400	403.7	6.824	35.046	4.38		27.480	0.452	1485.	2.5
403	406.1	6.791	35.051	4.36		27.488	0.454	1485.	2.5
404	407.9	6.752	35.046	4.40		27.490	0.455	1484.	2.4
406	409.9	6.726	35.050	4.36		27.496	0.456	1484.	2.2
408	412.0	6.723	35.049	4.33		27.496	0.458	1484.	1.9
411	414.1	6.722	35.050	4.34		27.497	0.459	1484.	1.7
413	416.3	6.716	35.050	4.39		27.497	0.460	1484.	1.7
414	417.7	6.707	35.050	4.40		27.499	0.461	1484.	1.7
416	420.0	6.695	35.050	4.34		27.500	0.463	1484.	1.9
418	422.1	6.674	35.050	4.31		27.503	0.464	1484.	2.1
420	423.9	6.647	35.049	4.39		27.507	0.465	1484.	2.2
422	426.0	6.633	35.049	4.44		27.508	0.467	1484.	2.4
424	428.2	6.601	35.049	4.48		27.512	0.468	1484.	2.5
426	429.7	6.552	35.048	4.46		27.518	0.469	1484.	2.6
428	432.0	6.532	35.043	4.38		27.517	0.470	1484.	2.6
430	434.1	6.468	35.045	4.43		27.527	0.472	1484.	2.6
432	436.0	6.441	35.044	4.51		27.530	0.473	1484.	2.5
434	437.9	6.406	35.044	4.54		27.534	0.474	1484.	2.7
436	440.1	6.395	35.043	4.53		27.535	0.475	1484.	2.7
438	441.7	6.379	35.042	4.59		27.537	0.476	1484.	2.6
440	444.0	6.323	35.041	4.65		27.543	0.478	1483.	2.5
442	446.1	6.229	35.039	4.66		27.554	0.479	1483.	2.4
444	447.8	6.220	35.036	4.69		27.553	0.480	1483.	2.3
446	450.0	6.213	35.036	4.71		27.554	0.481	1483.	2.1
448	452.3	6.205	35.036	4.71		27.555	0.483	1483.	1.8
450	454.0	6.185	35.035	4.69		27.557	0.484	1483.	1.9
452	456.1	6.153	35.033	4.68		27.560	0.485	1483.	2.1
454	457.9	6.136	35.032	4.72		27.561	0.486	1483.	2.2
456	459.9	6.120	35.032	4.71		27.563	0.487	1483.	2.2
458	462.2	6.033	35.029	4.72		27.572	0.488	1482.	2.1
460	463.8	6.011	35.027	4.78		27.573	0.489	1482.	1.9
462	466.0	5.995	35.026	4.81		27.574	0.490	1482.	1.7
464	468.1	5.990	35.026	4.81		27.574	0.492	1482.	1.5
466	469.8	5.987	35.025	4.82		27.574	0.493	1482.	1.1
468	472.0	5.987	35.024	4.79		27.574	0.494	1482.	1.1
470	474.0	5.973	35.025	4.78		27.576	0.495	1482.	1.1
472	476.2	5.957	35.023	4.80		27.577	0.496	1482.	1.2
474	478.0	5.936	35.021	4.86		27.578	0.497	1482.	1.2
476	480.0	5.897	35.016	4.84		27.578	0.498	1482.	1.3
478	482.2	5.880	35.012	4.87		27.578	0.500	1482.	1.4
480	483.9	5.856	35.010	4.86		27.579	0.501	1482.	1.6
482	486.0	5.853	35.010	4.87		27.580	0.502	1482.	1.7
484	488.1	5.819	35.006	4.88		27.581	0.503	1482.	1.6
485	489.8	5.799	35.010	4.92		27.586	0.504	1482.	1.6
488	492.0	5.790	35.010	4.88		27.588	0.505	1482.	1.6
490	494.0	5.783	35.010	4.86		27.589	0.506	1482.	1.7
492	496.0	5.779	35.005	4.90		27.585	0.507	1482.	1.7
494	498.0	5.771	35.010	4.92		27.590	0.509	1482.	1.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	62	05 MAY 1981	05.1	40° 13.4 N	67° 46.7 W	1120

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
495	499.9	5.761	35.010	4.92		27.591	0.510	1482.	1.8
515	520.0	5.612	35.002	5.01		27.603	0.521	1482.	2.1
535	539.8	5.191	34.961	5.29		27.622	0.531	1480.	1.2
555	560.1	5.052	34.951	5.27		27.631	0.542	1480.	1.4
575	580.2	4.916	34.942	5.34		27.639	0.552	1480.	1.2
595	600.0	4.893	34.942	5.49		27.642	0.562	1480.	0.7
615	620.2	4.837	34.945	5.50		27.651	0.572	1480.	1.6
634	640.1	4.771	34.941	5.52		27.655	0.582	1480.	0.8
654	660.0	4.717	34.938	5.59		27.658	0.592	1480.	0.8
674	680.3	4.686	34.937	5.61		27.661	0.602	1481.	0.7
693	700.0	4.599	34.925	5.66		27.662	0.612	1480.	0.2
713	720.1	4.574	34.922	5.68		27.662	0.622	1481.	0.9
733	739.9	4.538	34.923	5.70		27.667	0.632	1481.	0.8
753	760.1	4.514	34.922	5.79		27.669	0.642	1481.	1.1
773	780.0	4.452	34.925	5.72		27.678	0.652	1481.	1.0
792	800.0	4.386	34.924	5.78		27.684	0.661	1481.	1.2
812	820.2	4.367	34.927	5.85		27.689	0.671	1482.	0.8
832	840.0	4.351	34.927	5.83		27.691	0.680	1482.	0.6
852	860.0	4.320	34.926	5.86		27.693	0.690	1482.	0.7
871	879.9	4.302	34.925	5.86		27.695	0.700	1482.	0.7
891	900.0	4.263	34.925	5.87		27.699	0.709	1482.	1.2
911	920.2	4.230	34.927	5.84		27.704	0.719	1483.	0.9
931	940.0	4.212	34.930	5.88		27.708	0.728	1483.	0.5
950	960.0	4.197	34.929	5.84		27.709	0.738	1483.	0.9
970	980.0	4.173	34.931	5.90		27.713	0.747	1483.	0.5
990	999.9	4.169	34.932	5.89		27.714	0.756	1484.	0.1
1010	1020.2	4.168	34.931	5.90		27.714	0.766	1484.	0.4
1030	1040.4	4.163	34.931	5.91		27.714	0.775	1484.	0.2
1049	1059.8	4.155	34.932	5.94		27.716	0.785	1485.	0.6
1069	1080.0	4.148	34.932	5.93		27.716	0.794	1485.	0.6
1089	1099.9	4.129	34.931	5.91		27.718	0.804	1485.	1.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	63	05 MAY 1981	06.9	40° 13.9 N	67° 37.4 W	1780

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	7.812	33.301	6.84		25.967	0.000	1480.	1.2
4	3.8	7.819	33.302	6.76		25.967	0.002	1480.	1.2
6	6.0	7.806	33.300	6.77		25.967	0.007	1480.	1.2
8	7.8	7.803	33.299	6.78		25.967	0.010	1480.	1.2
10	9.8	7.813	33.301	6.79		25.967	0.014	1480.	1.2
12	12.1	7.851	33.308	6.73		25.967	0.019	1480.	1.5
14	13.9	7.851	33.308	6.72		25.967	0.023	1480.	1.9
16	16.0	7.825	33.308	6.69		25.971	0.027	1480.	2.1
18	18.1	7.833	33.315	6.71		25.976	0.031	1480.	2.2
20	20.0	7.839	33.323	6.75		25.980	0.035	1480.	2.3
22	21.9	7.793	33.321	6.77		25.986	0.039	1480.	2.1
24	24.1	7.793	33.323	6.76		25.987	0.043	1480.	1.8
26	26.2	7.799	33.325	6.77		25.988	0.047	1480.	1.5
28	27.9	7.798	33.326	6.79		25.989	0.051	1480.	1.1
30	30.1	7.796	33.324	6.74		25.988	0.055	1480.	0.7
32	32.2	7.796	33.325	6.74		25.988	0.060	1480.	0.5
34	34.2	7.799	33.325	6.73		25.988	0.064	1480.	0.5
35	35.7	7.798	33.325	6.73		25.988	0.067	1480.	0.6
38	38.2	7.801	33.325	6.72		25.988	0.072	1480.	0.9
39	39.6	7.802	33.327	6.71		25.989	0.075	1480.	1.3
42	42.0	7.798	33.326	6.64		25.989	0.079	1480.	1.7
44	44.3	7.760	33.320	6.66		25.990	0.084	1480.	2.1
46	46.0	7.726	33.319	6.72		25.993	0.087	1480.	2.5
48	48.1	7.687	33.318	6.73		25.999	0.092	1480.	3.5
50	50.1	7.664	33.322	6.73		26.005	0.096	1480.	5.8
51	51.8	7.654	33.328	6.71		26.011	0.099	1480.	7.7
54	54.2	7.615	33.336	6.66		26.023	0.104	1480.	9.1
56	56.0	7.625	33.399	6.58		26.071	0.107	1480.	10.1
58	58.1	8.768	33.811	6.30		26.224	0.111	1485.	10.4
60	60.1	9.437	34.098	6.23		26.342	0.115	1488.	10.2
62	62.1	10.021	34.308	5.95		26.409	0.118	1490.	9.5
64	64.0	10.133	34.393	5.94		26.456	0.121	1491.	8.3
66	66.1	9.954	34.353	5.88		26.455	0.124	1490.	6.3
67	68.0	9.859	34.332	5.73		26.455	0.127	1490.	4.8
69	70.0	9.840	34.331	5.73		26.457	0.131	1490.	3.8
71	72.0	9.637	34.312	5.77		26.476	0.134	1489.	3.4
74	74.1	9.371	34.256	5.79		26.476	0.137	1488.	3.8
75	76.0	9.202	34.242	5.74		26.493	0.140	1487.	4.1
78	78.2	8.958	34.197	5.78		26.496	0.143	1486.	4.2
79	79.8	8.886	34.197	5.77		26.508	0.146	1486.	4.8
81	82.1	8.814	34.206	5.71		26.526	0.149	1486.	6.3
83	83.9	8.781	34.209	5.71		26.534	0.152	1486.	7.2
85	86.0	8.765	34.220	5.71		26.545	0.155	1486.	7.7
87	87.9	8.559	34.266	5.76		26.613	0.158	1485.	7.9
90	90.2	8.823	34.464	5.63		26.727	0.161	1486.	7.8
91	91.9	9.068	34.539	5.47		26.747	0.163	1487.	7.4
93	93.9	9.170	34.580	5.39		26.762	0.166	1488.	6.6
95	96.1	9.285	34.619	5.38		26.774	0.169	1488.	5.4
97	98.0	9.405	34.659	5.34		26.786	0.171	1489.	4.2
99	99.9	9.486	34.680	5.28		26.789	0.174	1489.	4.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	63	05 MAY 1981	06.9	40 13.9 N	67 37.4 W	1780

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	102.2	9.545	34.700	5.31		26.795	0.176	1489.	3.8
103	103.8	9.679	34.748	5.30		26.810	0.178	1490.	3.6
105	105.8	9.869	34.815	5.23		26.830	0.181	1491.	3.4
107	108.1	9.962	34.837	5.22		26.831	0.184	1491.	3.4
109	110.3	10.005	34.852	5.24		26.836	0.186	1491.	3.3
111	111.8	10.030	34.857	5.24		26.836	0.188	1492.	3.4
113	114.0	10.112	34.882	5.24		26.841	0.191	1492.	3.7
115	116.0	10.230	34.926	5.26		26.855	0.193	1492.	4.0
117	117.9	10.414	34.974	5.20		26.861	0.196	1493.	4.1
119	120.0	10.954	35.134	5.12		26.889	0.198	1495.	4.3
121	122.1	11.023	35.172	5.19		26.906	0.201	1496.	4.2
123	124.0	11.102	35.193	5.21		26.908	0.203	1496.	3.8
125	126.0	11.296	35.241	5.19		26.910	0.205	1497.	3.5
127	128.0	11.492	35.311	5.17		26.928	0.208	1498.	2.9
129	130.1	11.615	35.342	5.11		26.928	0.210	1498.	2.6
131	132.1	11.633	35.348	5.12		26.930	0.212	1498.	2.4
133	133.8	11.643	35.353	5.08		26.932	0.214	1498.	2.1
135	136.1	11.653	35.358	5.01		26.934	0.217	1498.	1.7
137	138.3	11.698	35.375	5.04		26.939	0.219	1499.	1.8
139	139.9	11.711	35.379	5.01		26.939	0.221	1499.	1.9
141	142.3	11.715	35.381	5.01		26.940	0.224	1499.	2.0
143	143.8	11.724	35.384	4.97		26.941	0.226	1499.	2.4
145	146.1	11.784	35.406	4.96		26.946	0.228	1499.	2.7
147	148.2	11.828	35.423	5.00		26.951	0.231	1499.	2.9
149	150.1	11.772	35.413	4.99		26.954	0.233	1499.	3.1
151	151.9	11.491	35.366	4.95		26.970	0.235	1498.	3.2
153	154.0	11.425	35.354	4.92		26.973	0.237	1498.	3.3
155	156.2	11.423	35.359	4.91		26.978	0.240	1498.	3.3
157	157.8	11.458	35.372	4.77		26.981	0.241	1498.	3.2
159	160.0	11.532	35.405	4.75		26.993	0.244	1498.	3.1
161	162.0	11.722	35.461	4.77		27.001	0.246	1499.	3.1
163	163.9	11.758	35.475	4.80		27.005	0.248	1499.	3.1
165	166.1	11.675	35.461	4.80		27.010	0.250	1499.	2.9
167	168.0	11.643	35.460	4.82		27.015	0.252	1499.	2.7
169	169.9	11.596	35.457	4.82		27.022	0.254	1499.	2.6
171	172.0	11.579	35.456	4.80		27.024	0.257	1499.	2.4
172	173.9	11.562	35.455	4.72		27.026	0.259	1499.	2.2
175	176.0	11.536	35.454	4.75		27.030	0.261	1499.	2.1
176	177.9	11.523	35.454	4.75		27.033	0.263	1499.	2.0
179	180.1	11.520	35.454	4.77		27.033	0.265	1499.	2.0
181	182.0	11.517	35.455	4.78		27.035	0.267	1499.	2.0
183	184.2	11.510	35.459	4.77		27.040	0.270	1499.	2.0
185	186.0	11.516	35.463	4.72		27.041	0.272	1499.	2.1
187	188.1	11.501	35.462	4.69		27.044	0.274	1499.	2.2
188	189.9	11.484	35.462	4.59		27.047	0.276	1499.	2.3
191	192.1	11.433	35.455	4.53		27.051	0.278	1499.	2.4
192	194.1	11.413	35.453	4.53		27.053	0.280	1499.	2.6
194	195.8	11.390	35.451	4.50		27.056	0.282	1498.	2.7
196	198.1	11.305	35.438	4.46		27.061	0.284	1498.	2.8
198	200.0	11.238	35.432	4.44		27.068	0.286	1498.	2.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	63	05 MAY 1981	06.9	40 13.9 N	67 37.4 W	1780

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	202.3	11.155	35.420	4.42		27.075	0.289	1498.	2.8
202	203.7	11.124	35.419	4.32		27.080	0.290	1498.	2.9
205	206.2	11.048	35.406	4.30		27.083	0.293	1497.	3.0
206	207.7	11.008	35.399	4.32		27.085	0.294	1497.	3.0
208	210.1	10.923	35.385	4.30		27.090	0.297	1497.	2.9
210	211.7	10.830	35.373	4.27		27.098	0.298	1497.	2.9
212	214.1	10.660	35.350	4.26		27.110	0.301	1496.	2.9
214	216.1	10.621	35.341	4.26		27.110	0.302	1496.	2.7
216	218.1	10.611	35.341	4.25		27.112	0.304	1496.	2.5
218	220.0	10.578	35.339	4.18		27.116	0.306	1496.	2.2
220	222.2	10.559	35.338	4.17		27.119	0.308	1496.	1.8
222	223.9	10.553	35.339	4.14		27.120	0.310	1496.	1.8
224	225.9	10.528	35.336	4.09		27.122	0.312	1496.	1.8
226	228.2	10.522	35.336	4.05		27.123	0.314	1496.	1.9
228	229.9	10.518	35.335	4.05		27.123	0.316	1496.	2.0
230	232.1	10.478	35.330	4.04		27.126	0.318	1496.	2.2
232	234.1	10.396	35.316	4.04		27.131	0.320	1495.	2.5
234	235.9	10.358	35.315	3.98		27.136	0.322	1495.	2.7
236	238.0	10.369	35.319	3.97		27.138	0.324	1495.	2.7
238	240.1	10.314	35.317	3.98		27.146	0.326	1495.	2.7
240	241.8	10.288	35.317	3.97		27.150	0.328	1495.	2.6
242	244.1	10.245	35.314	3.89		27.155	0.330	1495.	2.7
244	245.9	10.226	35.309	3.90		27.155	0.332	1495.	2.8
246	248.1	10.141	35.298	3.89		27.161	0.334	1495.	2.8
248	249.9	10.056	35.282	3.82		27.163	0.335	1494.	2.8
250	251.9	9.923	35.267	3.82		27.175	0.337	1494.	2.9
252	254.2	9.864	35.259	3.84		27.178	0.339	1494.	3.0
254	255.7	9.809	35.252	3.82		27.182	0.341	1494.	3.1
256	258.1	9.752	35.243	3.77		27.185	0.343	1493.	3.1
258	260.1	9.618	35.222	3.79		27.191	0.345	1493.	3.1
260	262.0	9.484	35.205	3.81		27.200	0.347	1493.	3.2
262	263.8	9.428	35.199	3.78		27.204	0.348	1492.	3.3
264	266.0	9.280	35.177	3.79		27.211	0.350	1492.	3.2
266	268.1	9.189	35.163	3.78		27.216	0.352	1491.	3.0
268	270.0	9.038	35.142	3.81		27.224	0.354	1491.	2.8
270	272.0	8.972	35.137	3.78		27.230	0.356	1491.	2.9
272	274.1	8.928	35.127	3.80		27.230	0.357	1491.	3.0
274	276.1	8.916	35.126	3.83		27.230	0.359	1491.	2.9
275	277.8	8.840	35.112	3.87		27.232	0.361	1490.	2.8
278	280.0	8.620	35.092	3.93		27.251	0.363	1490.	2.9
279	281.9	8.574	35.088	3.92		27.255	0.364	1489.	3.1
282	284.1	8.481	35.070	3.94		27.255	0.366	1489.	3.1
284	286.1	8.392	35.053	3.98		27.256	0.368	1489.	2.9
286	288.1	8.244	35.035	4.00		27.265	0.370	1488.	2.6
287	289.8	8.207	35.035	4.01		27.270	0.371	1488.	2.5
290	292.1	8.193	35.039	4.00		27.276	0.373	1488.	2.4
292	294.1	8.192	35.041	3.99		27.277	0.375	1488.	2.2
293	295.8	8.193	35.041	4.01		27.277	0.376	1488.	2.0
296	298.0	8.193	35.042	4.00		27.278	0.378	1488.	2.0
298	300.2	8.188	35.045	4.00		27.281	0.380	1488.	2.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	63	05 MAY 1981	06.9	40° 13.9 N	67°37.4 W	1780

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
299	301.6	8.174	35.046	3.99		27.284	0.381	1488.	2.0
301	304.0	8.118	35.041	3.97		27.289	0.383	1488.	2.1
303	306.0	8.070	35.035	3.98		27.292	0.385	1488.	2.0
305	308.0	8.056	35.034	3.99		27.292	0.386	1488.	1.8
307	309.9	8.024	35.029	3.99		27.294	0.388	1488.	1.7
309	311.9	7.975	35.024	3.97		27.297	0.390	1488.	1.7
311	314.1	7.974	35.023	3.97		27.296	0.391	1488.	1.8
313	315.7	7.963	35.019	4.02		27.294	0.393	1488.	1.9
315	318.0	7.908	35.015	4.03		27.300	0.395	1487.	1.9
317	320.0	7.873	35.014	4.03		27.305	0.396	1487.	1.9
319	321.9	7.862	35.015	4.05		27.307	0.398	1487.	2.0
321	323.9	7.850	35.015	4.08		27.309	0.399	1487.	2.1
323	326.0	7.844	35.013	4.07		27.308	0.401	1487.	2.0
325	328.1	7.803	35.011	4.07		27.313	0.403	1487.	2.0
327	329.9	7.792	35.009	4.09		27.312	0.404	1487.	2.1
329	332.0	7.766	35.013	4.11		27.320	0.406	1487.	2.2
331	334.0	7.734	35.009	4.11		27.321	0.408	1487.	2.3
333	336.2	7.700	35.003	4.13		27.321	0.409	1487.	2.4
335	338.0	7.671	35.006	4.14		27.328	0.411	1487.	2.5
337	340.2	7.664	35.008	4.13		27.330	0.412	1487.	2.5
339	341.7	7.675	35.015	4.12		27.334	0.414	1487.	2.5
341	344.0	7.695	35.027	4.07		27.341	0.415	1487.	2.6
343	346.2	7.691	35.031	4.07		27.344	0.417	1487.	2.6
345	348.0	7.697	35.036	4.09		27.348	0.419	1487.	2.7
347	349.9	7.693	35.039	4.05		27.350	0.420	1487.	2.7
349	352.1	7.631	35.035	4.03		27.357	0.422	1487.	2.8
351	354.0	7.580	35.031	4.06		27.361	0.423	1487.	2.8
353	355.9	7.527	35.028	4.09		27.366	0.425	1487.	2.7
355	358.0	7.487	35.029	4.14		27.373	0.426	1486.	2.7
357	360.1	7.463	35.029	4.13		27.376	0.428	1486.	2.5
359	362.3	7.447	35.029	4.15		27.378	0.430	1486.	2.4
361	364.0	7.431	35.028	4.17		27.380	0.431	1486.	2.3
363	366.0	7.406	35.031	4.14		27.386	0.432	1486.	2.2
365	368.3	7.404	35.033	4.14		27.387	0.434	1486.	2.1
367	369.8	7.397	35.034	4.15		27.390	0.435	1486.	2.1
369	372.0	7.398	35.040	4.14		27.394	0.437	1486.	2.1
371	374.2	7.395	35.041	4.13		27.396	0.438	1486.	2.4
373	375.8	7.392	35.041	4.14		27.396	0.440	1486.	2.6
375	377.9	7.371	35.041	4.12		27.399	0.441	1486.	2.8
377	379.9	7.305	35.038	4.14		27.406	0.443	1486.	3.0
379	382.1	7.214	35.034	4.15		27.416	0.444	1486.	3.2
381	383.9	7.197	35.035	4.17		27.419	0.445	1486.	3.3
383	386.1	7.147	35.035	4.16		27.426	0.447	1486.	3.2
385	387.9	7.117	35.043	4.20		27.436	0.448	1486.	3.0
387	390.1	7.086	35.041	4.19		27.440	0.450	1485.	2.8
389	391.9	7.036	35.037	4.20		27.443	0.451	1485.	2.6
391	394.1	7.006	35.035	4.16		27.446	0.453	1485.	2.4
393	395.9	6.989	35.034	4.22		27.448	0.454	1485.	2.2
394	397.9	6.964	35.034	4.23		27.451	0.455	1485.	2.1
396	400.0	6.939	35.034	4.21		27.454	0.457	1485.	2.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	63	05 MAY 1981	06.9	40°13.9 N	67°37.4 W	1780

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	402.1	6.924	35.034	4.26		27.456	0.458	1485.	2.4
400	404.0	6.914	35.034	4.28		27.458	0.459	1485.	2.5
402	405.9	6.891	35.035	4.28		27.462	0.461	1485.	2.5
405	408.0	6.842	35.039	4.27		27.472	0.462	1485.	2.5
406	409.8	6.828	35.040	4.29		27.474	0.463	1485.	2.5
408	412.0	6.819	35.040	4.30		27.476	0.465	1485.	2.3
411	414.1	6.795	35.041	4.30		27.480	0.466	1485.	2.0
413	416.2	6.778	35.041	4.34		27.482	0.467	1485.	1.8
414	418.0	6.775	35.042	4.32		27.483	0.469	1485.	1.7
416	420.1	6.771	35.041	4.31		27.483	0.470	1485.	1.8
419	422.3	6.740	35.037	4.34		27.484	0.471	1485.	2.0
420	423.8	6.729	35.041	4.38		27.488	0.472	1485.	2.1
422	425.9	6.721	35.040	4.33		27.489	0.474	1485.	2.2
424	428.0	6.660	35.037	4.34		27.495	0.475	1484.	2.3
426	430.1	6.635	35.038	4.37		27.499	0.476	1484.	2.3
428	431.9	6.627	35.038	4.40		27.500	0.478	1484.	2.2
430	434.1	6.608	35.041	4.41		27.505	0.479	1484.	2.2
432	436.1	6.599	35.043	4.45		27.508	0.480	1484.	2.1
434	438.0	6.591	35.043	4.44		27.509	0.481	1484.	2.2
436	440.0	6.580	35.043	4.39		27.511	0.483	1484.	2.2
438	441.9	6.565	35.044	4.43		27.514	0.484	1484.	2.2
440	444.0	6.532	35.044	4.47		27.518	0.485	1484.	2.3
442	446.0	6.509	35.046	4.47		27.523	0.487	1484.	2.4
444	447.8	6.498	35.047	4.48		27.525	0.488	1484.	2.4
446	450.0	6.477	35.046	4.48		27.527	0.489	1484.	2.5
448	452.1	6.444	35.047	4.48		27.532	0.490	1484.	2.5
450	453.7	6.410	35.046	4.53		27.536	0.491	1484.	2.5
452	455.9	6.395	35.047	4.50		27.539	0.493	1484.	2.5
454	458.0	6.331	35.045	4.51		27.545	0.494	1484.	2.5
456	460.1	6.299	35.044	4.56		27.549	0.495	1484.	2.4
458	462.0	6.295	35.045	4.61		27.550	0.496	1484.	2.3
460	464.1	6.280	35.044	4.60		27.551	0.497	1484.	2.4
462	466.1	6.239	35.043	4.61		27.556	0.499	1483.	2.3
464	468.3	6.202	35.041	4.63		27.559	0.500	1483.	2.3
466	470.1	6.187	35.042	4.71		27.562	0.501	1483.	2.3
468	471.9	6.165	35.047	4.71		27.569	0.502	1483.	2.2
470	474.3	6.138	35.041	4.74		27.567	0.503	1483.	2.1
472	476.0	6.109	35.039	4.76		27.570	0.504	1483.	1.9
474	478.0	6.094	35.040	4.75		27.573	0.506	1483.	1.7
476	480.4	6.073	35.039	4.77		27.574	0.507	1483.	1.5
478	481.9	6.065	35.039	4.77		27.576	0.508	1483.	1.5
480	484.0	6.062	35.039	4.73		27.576	0.509	1483.	1.3
482	486.0	6.060	35.039	4.72		27.576	0.510	1483.	1.6
484	487.9	6.048	35.038	4.77		27.577	0.511	1483.	1.8
486	490.1	6.039	35.038	4.76		27.578	0.512	1483.	1.9
488	492.0	6.015	35.036	4.78		27.579	0.514	1483.	2.0
490	494.2	5.932	35.033	4.81		27.587	0.515	1483.	2.0
491	495.8	5.922	35.033	4.82		27.589	0.516	1483.	1.9
494	498.0	5.911	35.033	4.78		27.590	0.517	1483.	1.7
496	500.0	5.909	35.033	4.73		27.591	0.518	1483.	1.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	63	05 MAY 1981	06.9	40°13.9 N	67°37.4 W	1780

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
515	519.9	5.866	35.033	4.89		27.596	0.529	1483.	1.2
535	540.1	5.729	35.027	4.88		27.609	0.540	1483.	1.7
555	560.0	5.533	35.011	5.06		27.620	0.551	1482.	1.7
575	580.3	5.419	34.997	5.14		27.623	0.562	1482.	0.6
595	600.0	5.349	34.986	5.21		27.623	0.572	1482.	1.6
614	620.0	5.102	34.962	5.30		27.634	0.583	1481.	1.3
634	640.0	4.969	34.948	5.39		27.638	0.593	1481.	0.2
654	660.2	4.886	34.944	5.47		27.644	0.603	1481.	1.4
674	680.1	4.750	34.933	5.60		27.651	0.614	1481.	0.8
693	700.0	4.743	34.935	5.59		27.653	0.624	1481.	1.1
713	720.1	4.775	34.951	5.60		27.662	0.634	1482.	0.8
733	739.6	4.806	34.965	5.58		27.670	0.644	1482.	0.9
753	759.9	4.607	34.942	5.67		27.674	0.654	1482.	1.1
773	780.1	4.496	34.930	5.77		27.677	0.664	1481.	0.8
792	800.1	4.412	34.925	5.79		27.682	0.673	1481.	1.3
812	820.0	4.362	34.923	5.79		27.686	0.683	1482.	0.8
832	839.9	4.324	34.924	5.83		27.692	0.692	1482.	1.1
852	860.0	4.283	34.926	5.80		27.697	0.702	1482.	1.4
871	879.8	4.274	34.932	5.90		27.703	0.711	1482.	0.6
892	900.4	4.257	34.934	5.79		27.707	0.721	1482.	1.0
911	920.0	4.236	34.935	5.85		27.709	0.730	1483.	0.6
931	940.0	4.197	34.930	5.87		27.710	0.740	1483.	0.6
951	960.1	4.177	34.931	5.88		27.713	0.749	1483.	0.5
970	980.1	4.156	34.929	5.86		27.714	0.758	1483.	0.6
990	1000.1	4.125	34.930	5.91		27.717	0.768	1484.	1.0
1010	1019.9	4.140	34.934	5.95		27.719	0.777	1484.	0.3
1029	1040.0	4.141	34.934	5.91		27.719	0.786	1484.	0.7
1049	1060.1	4.138	34.938	5.91		27.723	0.796	1485.	0.6
1069	1079.9	4.120	34.938	5.86		27.725	0.805	1485.	0.6
1089	1099.9	4.110	34.937	5.96		27.725	0.814	1485.	0.1
1108	1119.9	4.092	34.938	5.91		27.727	0.824	1485.	0.6
1128	1139.8	4.085	34.942	5.92		27.731	0.833	1486.	1.0
1148	1160.0	4.073	34.945	5.96		27.735	0.842	1486.	1.1
1168	1180.1	4.022	34.948	5.94		27.742	0.852	1486.	0.6
1187	1199.9	4.013	34.948	5.90		27.744	0.861	1486.	0.6
1207	1220.0	4.001	34.948	6.00		27.745	0.870	1487.	0.6
1227	1240.0	3.995	34.948	5.90		27.746	0.879	1487.	0.4
1247	1260.0	3.991	34.948	5.95		27.746	0.888	1487.	0.4
1266	1280.0	3.968	34.949	5.95		27.749	0.897	1488.	1.0
1286	1299.7	3.952	34.950	5.97		27.751	0.906	1488.	0.2
1306	1320.1	3.932	34.950	5.98		27.753	0.916	1488.	0.8
1325	1339.8	3.921	34.951	6.00		27.755	0.925	1488.	0.6
1345	1359.8	3.914	34.952	5.93		27.757	0.934	1489.	0.7
1365	1379.9	3.901	34.952	6.00		27.759	0.943	1489.	0.4
1384	1399.9	3.891	34.952	5.96		27.760	0.952	1489.	0.1
1404	1420.1	3.886	34.953	6.00		27.761	0.961	1490.	0.7
1424	1440.2	3.882	34.953	5.94		27.761	0.970	1490.	0.5
1444	1460.2	3.876	34.953	5.99		27.762	0.980	1490.	0.4
1463	1480.0	3.873	34.953	5.98		27.762	0.989	1490.	0.5
1483	1500.0	3.857	34.952	5.97		27.763	0.998	1491.	0.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	63	05 MAY 1981	06.9	40°13.9 N	67°37.4 W	1780

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
1503	1520.0	3.854	34.953	5.87		27.764	1.007	1491.	0.3
1523	1540.3	3.847	34.953	5.97		27.765	1.016	1491.	1.0
1542	1559.8	3.804	34.953	5.96		27.769	1.025	1492.	0.5
1562	1579.7	3.807	34.953	5.95		27.769	1.035	1492.	0.0
1582	1600.1	3.805	34.953	5.99		27.769	1.044	1492.	0.4
1601	1620.0	3.793	34.954	5.99		27.771	1.053	1492.	0.7
1621	1640.1	3.784	34.952	5.98		27.771	1.063	1493.	0.5
1641	1660.0	3.767	34.953	5.93		27.773	1.072	1493.	0.6
1660	1680.1	3.765	34.953	5.91		27.773	1.081	1493.	0.3
1680	1700.1	3.765	34.953	5.96		27.773	1.090	1494.	0.7
1700	1720.0	3.733	34.953	5.95		27.776	1.100	1494.	0.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	65	05 MAY 1981	08.8	40°17.7 N	67°39.6 W	1030

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
0	0.0	8.300	33.384	6.71		25.960	0.000	1482.	1.2
2	2.1	8.300	33.384	6.71		25.960	0.004	1482.	1.2
4	4.1	8.305	33.386	6.74		25.961	0.008	1482.	1.2
6	6.0	8.295	33.388	6.79		25.965	0.012	1482.	1.2
8	8.0	8.291	33.388	6.79		25.965	0.016	1482.	1.2
10	10.0	8.288	33.389	6.77		25.966	0.020	1482.	1.1
12	11.9	8.287	33.389	6.72		25.966	0.024	1482.	1.0
14	14.1	8.289	33.389	6.70		25.967	0.029	1482.	0.9
16	15.9	8.290	33.390	6.71		25.967	0.032	1482.	0.8
18	18.0	8.289	33.389	6.68		25.967	0.037	1482.	0.8
20	20.2	8.294	33.393	6.68		25.968	0.041	1482.	0.7
22	22.0	8.295	33.393	6.71		25.968	0.045	1482.	0.6
24	23.9	8.297	33.393	6.65		25.968	0.049	1482.	0.5
26	26.0	8.297	33.393	6.65		25.968	0.053	1482.	0.6
28	28.0	8.297	33.393	6.70		25.968	0.057	1482.	0.5
30	29.9	8.298	33.393	6.68		25.968	0.061	1482.	0.6
32	32.2	8.295	33.393	6.67		25.969	0.065	1482.	0.6
34	33.8	8.292	33.394	6.73		25.969	0.069	1482.	0.8
36	35.9	8.291	33.394	6.67		25.970	0.073	1482.	2.0
38	38.0	8.291	33.394	6.68		25.970	0.077	1482.	4.2
40	39.9	8.291	33.393	6.69		25.969	0.081	1482.	5.9
42	42.1	8.280	33.394	6.67		25.972	0.086	1482.	7.4
43	43.8	8.223	33.421	6.65		26.001	0.089	1482.	8.7
46	46.0	8.098	33.538	6.61		26.111	0.093	1482.	9.4
48	48.1	8.046	33.608	6.60		26.174	0.097	1482.	9.7
49	49.8	8.047	33.716	6.43		26.259	0.100	1482.	9.6
52	52.0	8.148	33.839	6.26		26.340	0.104	1482.	9.0
53	53.9	8.174	33.854	6.21		26.348	0.107	1483.	8.3
56	56.1	8.296	33.908	6.10		26.373	0.111	1483.	7.9
57	57.8	8.397	33.958	6.05		26.396	0.114	1484.	7.4
60	60.0	8.637	34.048	5.97		26.429	0.117	1485.	7.4
62	62.2	8.909	34.185	5.94		26.495	0.121	1486.	7.7
63	63.9	9.051	34.274	5.84		26.541	0.123	1487.	7.8
66	66.1	9.112	34.301	5.79		26.553	0.126	1487.	7.7
67	68.0	9.343	34.403	5.72		26.596	0.129	1488.	7.6
70	70.1	9.833	34.567	5.58		26.642	0.132	1490.	7.5
71	71.7	10.092	34.665	5.48		26.675	0.134	1491.	7.3
73	74.0	10.441	34.775	5.38		26.700	0.138	1492.	7.1
75	76.1	10.804	34.904	5.34		26.736	0.140	1494.	6.7
77	77.8	10.892	34.987	5.33		26.786	0.143	1494.	6.0
79	80.0	10.875	34.998	5.27		26.797	0.145	1494.	5.4
82	82.2	10.930	35.026	5.22		26.809	0.148	1495.	4.8
83	83.8	10.984	35.047	5.08		26.816	0.150	1495.	4.2
86	86.3	11.041	35.069	5.07		26.822	0.153	1495.	3.8
87	87.7	11.063	35.075	5.07		26.823	0.155	1495.	4.0
89	90.0	11.115	35.095	5.04		26.829	0.158	1495.	4.0
91	92.0	11.261	35.170	5.05		26.860	0.160	1496.	4.1
93	94.0	11.307	35.188	5.03		26.866	0.163	1496.	4.1
95	95.9	11.299	35.204	5.04		26.880	0.165	1496.	3.9
98	98.3	11.315	35.216	5.04		26.887	0.168	1496.	3.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	65	05 MAY 1981	08.8	40°17.7 N	67°39.6 W	1030

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	99.7	11.325	35.224	4.97		26.891	0.169	1496.	2.9
101	102.0	11.332	35.231	4.95		26.895	0.172	1496.	2.7
103	104.1	11.373	35.246	4.99		26.899	0.175	1497.	2.5
105	105.9	11.412	35.259	4.97		26.902	0.177	1497.	2.7
107	108.0	11.415	35.262	4.94		26.904	0.179	1497.	3.3
109	110.1	11.411	35.267	4.97		26.908	0.182	1497.	3.6
111	112.0	11.436	35.282	5.01		26.915	0.184	1497.	3.8
113	114.1	11.552	35.326	4.98		26.928	0.186	1498.	3.8
115	115.9	11.676	35.398	4.95		26.960	0.188	1498.	3.7
117	118.0	11.694	35.401	4.89		26.960	0.191	1498.	3.4
119	120.3	11.699	35.401	4.86		26.959	0.193	1498.	3.0
121	121.8	11.705	35.407	4.78		26.962	0.195	1498.	2.4
123	124.0	11.707	35.409	4.78		26.963	0.197	1498.	1.8
125	126.2	11.688	35.407	4.83		26.966	0.200	1498.	2.1
127	127.7	11.670	35.407	4.85		26.969	0.201	1498.	2.3
129	130.1	11.640	35.406	4.84		26.973	0.204	1498.	2.3
131	131.9	11.632	35.404	4.88		26.974	0.206	1498.	2.3
133	134.3	11.613	35.409	4.88		26.981	0.209	1498.	2.3
135	135.8	11.600	35.410	4.86		26.984	0.210	1498.	2.3
137	138.1	11.600	35.411	4.86		26.985	0.213	1498.	2.4
139	139.8	11.596	35.412	4.89		26.987	0.215	1498.	2.4
141	142.0	11.589	35.416	4.86		26.991	0.217	1498.	2.5
143	144.0	11.518	35.407	4.86		26.997	0.219	1498.	2.8
145	146.1	11.477	35.402	4.86		27.001	0.222	1498.	2.9
146	147.7	11.471	35.405	4.76		27.005	0.223	1498.	3.0
149	150.0	11.405	35.401	4.71		27.014	0.226	1498.	3.1
151	152.1	11.206	35.363	4.76		27.021	0.228	1497.	3.1
153	154.0	11.144	35.350	4.73		27.023	0.230	1497.	3.1
155	156.0	11.152	35.363	4.62		27.031	0.232	1497.	3.1
157	158.1	11.071	35.355	4.65		27.040	0.234	1497.	3.0
159	160.1	11.037	35.353	4.65		27.044	0.236	1497.	2.8
160	161.7	11.027	35.353	4.61		27.046	0.238	1497.	2.7
163	164.0	10.948	35.343	4.56		27.053	0.240	1496.	2.4
165	166.1	10.891	35.333	4.58		27.055	0.243	1496.	2.2
167	167.9	10.861	35.328	4.57		27.056	0.245	1496.	2.1
169	170.0	10.852	35.328	4.54		27.058	0.247	1496.	2.1
171	172.0	10.871	35.336	4.52		27.061	0.249	1496.	2.1
173	174.0	10.876	35.340	4.50		27.063	0.251	1496.	2.1
174	175.9	10.836	35.336	4.45		27.067	0.253	1496.	2.0
177	178.0	10.861	35.347	4.38		27.072	0.255	1496.	2.0
179	180.2	10.900	35.359	4.36		27.074	0.257	1496.	2.1
180	181.8	10.897	35.360	4.34		27.075	0.259	1496.	2.2
183	184.2	10.844	35.347	4.30		27.074	0.261	1496.	2.2
184	185.9	10.707	35.320	4.29		27.079	0.263	1496.	2.3
186	188.0	10.588	35.304	4.29		27.087	0.265	1495.	2.4
189	190.1	10.544	35.296	4.33		27.088	0.267	1495.	2.6
190	191.7	10.504	35.291	4.36		27.092	0.269	1495.	2.9
192	194.0	10.467	35.287	4.37		27.095	0.271	1495.	3.0
195	196.3	10.334	35.261	4.38		27.098	0.273	1495.	3.1
196	198.0	10.265	35.259	4.31		27.109	0.275	1494.	3.3

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	65	05 MAY 1981	08.8	40°17.7 N	67°39.6 W	1030

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
198	199.9	10.237	35.264	4.25		27.117	0.277	1494.	3.4
200	201.9	10.219	35.268	4.21		27.124	0.279	1494.	3.5
202	204.1	10.139	35.258	4.20		27.130	0.281	1494.	3.5
204	206.0	10.052	35.252	4.13		27.140	0.283	1494.	3.2
206	207.9	10.028	35.254	4.06		27.146	0.285	1494.	3.0
208	210.0	9.950	35.246	4.06		27.153	0.287	1493.	2.7
210	212.1	9.915	35.241	4.06		27.156	0.289	1493.	2.6
212	214.1	9.907	35.240	4.03		27.156	0.291	1493.	2.3
214	215.8	9.900	35.239	3.97		27.157	0.292	1493.	2.3
216	218.0	9.866	35.235	3.97		27.159	0.294	1493.	2.4
218	220.0	9.763	35.226	3.99		27.169	0.296	1493.	2.5
220	221.9	9.710	35.213	4.03		27.168	0.298	1493.	2.6
222	224.0	9.642	35.207	4.01		27.175	0.300	1492.	2.5
224	226.1	9.565	35.198	4.03		27.181	0.302	1492.	2.4
226	228.1	9.535	35.193	4.01		27.182	0.304	1492.	2.3
228	230.0	9.528	35.193	3.93		27.183	0.305	1492.	2.4
230	232.1	9.487	35.188	3.95		27.186	0.307	1492.	2.3
232	234.0	9.442	35.184	3.96		27.190	0.309	1492.	2.4
234	235.9	9.414	35.182	3.93		27.193	0.311	1492.	2.5
236	238.1	9.343	35.174	3.92		27.199	0.313	1492.	2.5
238	239.7	9.284	35.165	3.91		27.201	0.314	1491.	2.5
240	242.0	9.246	35.163	3.89		27.206	0.316	1491.	2.6
242	244.2	9.196	35.157	3.90		27.210	0.318	1491.	2.8
244	245.8	9.174	35.153	3.89		27.211	0.320	1491.	2.8
246	248.1	9.108	35.147	3.86		27.216	0.322	1491.	2.8
248	250.0	8.986	35.135	3.89		27.227	0.324	1490.	2.7
250	252.1	8.933	35.132	3.88		27.233	0.325	1490.	2.6
252	253.9	8.928	35.132	3.83		27.234	0.327	1490.	2.5
254	256.0	8.908	35.130	3.81		27.235	0.329	1490.	2.4
256	258.1	8.890	35.128	3.83		27.237	0.331	1490.	2.3
257	259.7	8.860	35.125	3.84		27.239	0.332	1490.	2.4
260	262.0	8.827	35.124	3.81		27.243	0.334	1490.	2.5
262	264.2	8.764	35.119	3.82		27.250	0.336	1490.	2.5
264	265.9	8.727	35.119	3.85		27.255	0.337	1490.	2.4
266	267.9	8.720	35.124	3.82		27.260	0.339	1490.	2.4
268	270.1	8.710	35.123	3.80		27.261	0.341	1490.	2.4
270	271.9	8.698	35.121	3.84		27.262	0.343	1490.	2.5
272	274.1	8.676	35.117	3.82		27.262	0.344	1490.	2.5
274	275.9	8.626	35.114	3.82		27.267	0.346	1489.	2.8
276	278.0	8.612	35.127	3.82		27.279	0.348	1489.	3.0
278	280.2	8.598	35.130	3.83		27.284	0.350	1489.	3.2
280	282.0	8.581	35.130	3.80		27.287	0.351	1489.	3.2
282	283.9	8.530	35.132	3.79		27.297	0.353	1489.	3.2
284	286.1	8.459	35.126	3.80		27.303	0.354	1489.	3.0
285	287.9	8.343	35.109	3.84		27.307	0.356	1489.	3.0
288	290.0	8.306	35.108	3.82		27.312	0.358	1489.	3.0
290	292.1	8.256	35.104	3.81		27.317	0.359	1488.	2.9
292	294.0	8.213	35.100	3.85		27.320	0.361	1488.	2.9
294	296.1	8.204	35.103	3.83		27.324	0.362	1488.	3.0
296	298.0	8.164	35.106	3.84		27.333	0.364	1488.	3.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	65	05 MAY 1981	08.8	40°17.7 N	67°39.6 W	1030

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
297	299.9	8.118	35.103	3.83		27.338	0.365	1488.	3.0
300	302.1	8.035	35.095	3.84		27.344	0.367	1488.	2.8
301	304.0	7.959	35.089	3.88		27.350	0.369	1487.	2.6
303	305.8	7.932	35.089	3.87		27.354	0.370	1487.	2.5
305	308.0	7.926	35.088	3.86		27.354	0.372	1487.	2.6
307	310.0	7.924	35.087	3.87		27.354	0.373	1487.	2.6
309	311.8	7.899	35.084	3.90		27.355	0.375	1487.	2.7
311	314.0	7.732	35.069	3.93		27.368	0.376	1487.	2.7
313	316.1	7.659	35.062	3.94		27.374	0.378	1486.	2.7
315	317.9	7.629	35.063	3.98		27.379	0.379	1486.	2.8
317	320.0	7.612	35.064	3.97		27.382	0.381	1486.	2.7
319	322.1	7.599	35.062	3.98		27.383	0.382	1486.	2.5
321	324.1	7.557	35.056	4.02		27.384	0.384	1486.	2.6
323	326.0	7.504	35.055	4.01		27.391	0.385	1486.	2.8
325	328.1	7.457	35.053	4.02		27.396	0.387	1486.	3.0
327	330.2	7.410	35.051	4.06		27.401	0.388	1486.	3.1
329	331.8	7.366	35.050	4.09		27.406	0.389	1486.	3.0
331	333.8	7.273	35.044	4.08		27.416	0.391	1485.	2.8
333	336.0	7.232	35.045	4.08		27.422	0.392	1485.	2.6
335	338.0	7.213	35.044	4.11		27.424	0.394	1485.	2.3
337	340.1	7.209	35.044	4.14		27.425	0.395	1485.	1.9
339	342.0	7.196	35.043	4.15		27.426	0.397	1485.	1.6
341	344.1	7.189	35.043	4.16		27.427	0.398	1485.	1.6
343	345.8	7.184	35.043	4.16		27.427	0.399	1485.	1.9
345	347.9	7.175	35.042	4.13		27.428	0.401	1485.	2.1
347	350.0	7.140	35.041	4.13		27.432	0.402	1485.	2.2
349	352.1	7.093	35.037	4.15		27.435	0.404	1485.	2.3
351	354.1	7.035	35.036	4.19		27.443	0.405	1485.	2.5
353	355.7	7.018	35.037	4.21		27.446	0.406	1485.	3.0
355	357.9	7.018	35.037	4.19		27.446	0.408	1485.	3.4
357	360.1	7.008	35.039	4.20		27.449	0.409	1485.	3.6
359	361.8	6.960	35.042	4.24		27.458	0.410	1484.	3.7
361	364.0	6.828	35.050	4.25		27.482	0.412	1484.	3.7
363	366.2	6.757	35.051	4.27		27.493	0.413	1484.	3.6
365	367.8	6.732	35.051	4.35		27.497	0.414	1484.	3.4
367	370.1	6.726	35.052	4.35		27.498	0.416	1484.	3.0
369	371.8	6.718	35.052	4.37		27.499	0.417	1484.	2.4
371	374.0	6.690	35.052	4.40		27.503	0.418	1484.	2.2
373	376.0	6.645	35.052	4.39		27.509	0.419	1484.	2.1
375	378.1	6.629	35.052	4.38		27.511	0.421	1483.	1.9
377	380.0	6.621	35.053	4.42		27.513	0.422	1483.	1.8
379	381.9	6.613	35.052	4.41		27.514	0.423	1483.	1.5
381	384.0	6.615	35.053	4.38		27.514	0.424	1484.	1.2
383	386.1	6.611	35.053	4.41		27.514	0.426	1484.	1.1
384	387.6	6.609	35.053	4.44		27.514	0.427	1484.	1.0
387	390.0	6.604	35.053	4.39		27.515	0.428	1484.	1.1
389	392.1	6.598	35.054	4.39		27.517	0.429	1484.	1.2
390	393.9	6.594	35.054	4.44		27.517	0.430	1484.	1.2
393	396.1	6.589	35.054	4.43		27.518	0.432	1484.	1.3
394	397.9	6.580	35.053	4.46		27.519	0.433	1484.	1.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	65	05 MAY 1981	08.8	40°17.7 N	67°39.6 W	1030

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
397	400.1	6.570	35.053	4.46		27.520	0.434	1484.	1.5
398	402.0	6.559	35.053	4.46		27.521	0.435	1484.	1.6
400	403.9	6.549	35.052	4.45		27.522	0.437	1484.	1.7
403	406.1	6.507	35.050	4.46		27.526	0.438	1483.	1.7
404	408.0	6.495	35.050	4.49		27.527	0.439	1483.	1.9
406	409.9	6.480	35.049	4.49		27.529	0.440	1483.	1.8
408	412.0	6.469	35.048	4.49		27.530	0.442	1483.	1.7
411	414.2	6.454	35.046	4.51		27.530	0.443	1483.	1.4
412	415.9	6.401	35.049	4.53		27.539	0.444	1483.	1.2
414	418.0	6.405	35.044	4.49		27.535	0.445	1483.	1.1
416	420.1	6.407	35.041	4.53		27.532	0.446	1483.	1.1
418	421.9	6.396	35.040	4.57		27.532	0.448	1483.	1.9
420	424.0	6.376	35.038	4.53		27.534	0.449	1483.	2.3
422	426.1	6.361	35.037	4.53		27.535	0.450	1483.	2.7
424	427.9	6.345	35.037	4.60		27.537	0.451	1483.	2.8
426	430.2	6.274	35.056	4.59		27.562	0.452	1483.	2.8
428	431.6	6.238	35.051	4.61		27.562	0.453	1483.	2.6
430	434.0	6.263	35.055	4.62		27.562	0.455	1483.	2.3
432	436.2	6.233	35.050	4.62		27.563	0.456	1483.	1.8
434	437.7	6.196	35.045	4.66		27.563	0.457	1483.	0.8
436	440.1	6.182	35.043	4.65		27.563	0.458	1483.	0.7
438	442.2	6.182	35.043	4.64		27.563	0.459	1483.	0.8
440	443.9	6.172	35.042	4.69		27.564	0.460	1483.	1.1
442	446.0	6.168	35.041	4.69		27.564	0.462	1483.	1.4
444	448.0	6.165	35.041	4.69		27.564	0.463	1483.	1.8
446	450.0	6.147	35.040	4.68		27.565	0.464	1483.	2.2
448	452.0	6.106	35.037	4.71		27.568	0.465	1483.	2.3
450	454.0	6.058	35.036	4.73		27.574	0.466	1482.	2.4
452	455.8	6.005	35.033	4.77		27.578	0.467	1482.	2.4
454	458.0	5.956	35.034	4.75		27.585	0.468	1482.	2.4
456	460.1	5.949	35.032	4.73		27.585	0.470	1482.	2.3
458	462.0	5.948	35.032	4.77		27.585	0.471	1482.	2.1
460	463.7	5.907	35.027	4.83		27.586	0.472	1482.	1.8
462	466.0	5.862	35.032	4.85		27.596	0.473	1482.	1.7
464	468.1	5.837	35.025	4.85		27.593	0.474	1482.	1.7
466	470.0	5.818	35.021	4.88		27.593	0.475	1482.	1.6
468	472.0	5.803	35.018	4.87		27.592	0.476	1482.	1.4
470	474.0	5.782	35.020	4.87		27.597	0.477	1482.	1.2
472	476.2	5.765	35.018	4.90		27.597	0.479	1482.	1.3
474	477.7	5.757	35.017	4.93		27.597	0.479	1482.	1.3
476	479.9	5.762	35.019	4.89		27.598	0.481	1482.	1.3
478	482.0	5.761	35.021	4.89		27.600	0.482	1482.	1.1
480	484.2	5.760	35.020	4.92		27.599	0.483	1482.	1.3
482	485.9	5.756	35.021	4.92		27.600	0.484	1482.	1.3
484	487.9	5.760	35.023	4.91		27.602	0.485	1482.	1.5
486	490.1	5.742	35.022	4.91		27.603	0.486	1482.	1.8
488	491.9	5.725	35.024	4.93		27.607	0.487	1482.	2.1
490	494.0	5.710	35.016	4.94		27.602	0.488	1482.	2.2
492	496.0	5.657	35.019	4.94		27.611	0.489	1482.	2.3
494	498.2	5.549	35.007	4.97		27.615	0.490	1481.	2.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	65	05 MAY 1981	08.8	40° 17.7 N	67°39.6 W	1030

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
495	499.7	5.520	35.009	5.02		27.620	0.491	1481.	2.1
515	520.0	5.342	34.986	5.11		27.623	0.502	1481.	1.5
535	539.7	5.042	34.956	5.35		27.636	0.512	1480.	1.1
555	560.0	4.950	34.947	5.40		27.639	0.522	1480.	1.2
575	579.8	4.821	34.935	5.49		27.645	0.532	1479.	1.0
595	600.1	4.771	34.928	5.47		27.645	0.542	1480.	1.2
614	619.7	4.697	34.930	5.56		27.655	0.552	1480.	0.7
634	640.0	4.674	34.927	5.60		27.655	0.562	1480.	0.6
654	660.0	4.625	34.928	5.67		27.661	0.572	1480.	0.9
674	679.8	4.628	34.929	5.63		27.662	0.582	1480.	0.7
693	700.0	4.587	34.926	5.62		27.664	0.592	1480.	0.5
713	719.9	4.566	34.925	5.68		27.666	0.602	1481.	0.9
733	740.0	4.524	34.926	5.67		27.671	0.612	1481.	0.3
753	760.1	4.489	34.926	5.73		27.675	0.622	1481.	0.6
773	780.0	4.462	34.927	5.68		27.679	0.631	1481.	0.6
792	800.2	4.449	34.926	5.71		27.679	0.641	1482.	0.5
812	820.0	4.425	34.928	5.75		27.683	0.651	1482.	0.8
832	839.9	4.398	34.929	5.75		27.687	0.661	1482.	0.9
852	860.1	4.368	34.930	5.81		27.691	0.670	1482.	0.1
871	879.9	4.351	34.930	5.74		27.693	0.680	1482.	0.8
891	900.1	4.330	34.931	5.76		27.697	0.690	1483.	0.7
911	919.6	4.320	34.931	5.81		27.698	0.699	1483.	0.6
930	939.7	4.296	34.934	5.81		27.702	0.709	1483.	0.5
950	959.7	4.292	34.934	5.84		27.702	0.718	1484.	0.5
970	980.1	4.266	34.935	5.79		27.706	0.728	1484.	0.6
990	999.8	4.251	34.936	5.85		27.708	0.737	1484.	0.9
1010	1020.0	4.236	34.937	5.85		27.711	0.747	1484.	0.6

STA 66 DAY: 5 TIME: 1235

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.0	7.6	90.2	11.8	232.0	7.7	411.6	5.7
1.9	7.6	91.2	11.7	234.8	7.6	414.4	5.7
3.9	7.6	94.1	11.9	235.8	7.5	418.1	5.6
6.8	7.5	96.0	11.9	237.7	7.4	420.9	5.6
9.7	7.4	97.0	11.9	241.5	7.3	426.5	5.6
11.7	7.3	97.9	11.7	243.4	7.2	430.2	5.5
12.7	7.5	98.9	11.5	246.2	7.2	432.0	5.4
13.6	7.7	100.8	11.2	249.0	7.2	434.8	5.3
15.6	7.7	104.7	11.1	253.8	7.1	439.4	5.3
17.5	7.5	107.6	11.0	256.6	7.1	442.2	5.3
19.5	7.4	110.5	11.0	258.5	7.1	445.9	5.3
23.4	7.4	113.4	10.9	261.4	7.0	449.6	5.4
26.3	7.4	115.3	10.8	264.2	6.9	451.5	5.4
29.2	7.5	117.2	10.6	267.0	6.9	456.1	5.3
32.1	7.4	119.1	10.4	271.8	6.8	461.7	5.3
37.0	7.3	122.0	10.2	276.5	6.8	466.3	5.3
39.9	7.2	126.8	10.1	280.3	6.8	469.1	5.3
41.8	7.1	130.7	10.0	283.1	6.8	473.7	5.3
43.8	7.0	134.5	9.9	285.0	6.7	478.3	5.3
46.7	6.9	138.3	9.8	288.8	6.7	482.0	5.3
49.6	6.9	141.2	9.7	292.6	6.6	488.5	5.3
54.4	7.1	144.1	9.6	295.4	6.6	491.2	5.3
56.4	7.3	148.9	9.5	298.2	6.6	496.8	5.2
58.3	7.9	152.7	9.6	302.0	6.6	499.5	5.2
59.3	8.1	153.7	9.8	304.8	6.5	503.2	5.1
60.2	8.6	153.7	10.2	308.6	6.5	507.8	5.0
61.2	8.9	155.6	10.4	310.5	6.5	513.3	5.0
62.2	9.3	156.6	10.4	317.1	6.4	515.2	5.0
62.2	9.5	160.4	10.1	320.8	6.4	519.8	5.0
62.2	9.9	162.3	9.9	323.6	6.3	525.3	5.0
62.2	10.3	165.2	9.7	326.5	6.2	528.0	4.9
62.2	10.8	168.1	9.5	331.2	6.1	532.6	4.9
63.1	11.3	171.9	9.5	339.6	6.1	537.2	4.9
63.1	11.5	176.7	9.4	344.3	6.1	541.8	4.9
64.1	11.8	182.4	9.3	349.9	6.1	545.4	4.9
66.0	12.1	185.3	9.1	353.7	6.1	549.1	4.9
68.0	12.2	189.1	8.9	359.3	6.1		
69.0	12.4	191.0	8.8	364.0	6.0		
70.9	12.7	193.9	8.6	367.7	6.0		
71.9	13.0	196.7	8.3	372.4	6.0		
72.8	13.2	199.6	8.2	374.3	6.0		
73.8	13.4	201.5	8.2	378.0	6.0		
75.7	13.3	205.3	8.1	381.7	6.0		
77.7	13.1	208.2	8.1	386.4	6.0		
79.6	12.9	212.0	8.1	390.1	6.0		
82.5	12.8	215.8	8.0	393.9	5.9		
84.4	12.8	219.6	8.0	397.6	5.9		
86.4	12.6	224.4	7.9	401.3	5.8		
87.3	12.3	227.2	7.9	404.1	5.8		
89.2	12.1	231.0	7.8	407.8	5.7		

STA 67 DAY: 5 TIME: 1258

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	7.8	55.4	8.7	98.9	9.2	184.3	9.3
1.9	7.7	56.4	8.8	99.9	9.1	186.2	9.3
2.9	7.7	57.3	8.9	100.8	9.0	188.1	9.4
4.9	7.8	56.4	9.0	100.8	9.0	190.1	9.4
6.8	7.7	57.3	9.1	101.8	8.9	192.0	9.4
7.8	7.7	58.3	9.2	104.7	8.9	193.9	9.4
9.7	7.6	58.3	9.3	106.6	8.9	195.8	9.4
9.7	7.5	59.3	9.4	108.5	8.9	196.7	9.3
10.7	7.5	60.2	9.5	109.5	8.9	198.6	9.3
12.7	7.5	61.2	9.7	111.4	9.0	201.5	9.3
15.6	7.5	62.2	9.8	112.4	9.0	203.4	9.3
15.6	7.6	63.1	9.8	115.3	9.0	203.4	9.2
16.6	7.6	63.1	9.9	117.2	9.0	204.4	9.1
18.5	7.7	64.1	10.0	120.1	9.0	207.2	9.1
20.4	7.7	65.1	10.2	121.1	9.0	209.1	9.0
22.4	7.7	66.0	10.3	123.0	9.1	211.0	9.0
24.3	7.7	66.0	10.4	123.9	9.1	213.9	9.0
26.3	7.8	67.0	10.5	124.9	9.2	214.8	9.0
28.2	7.8	67.0	10.7	125.9	9.2	216.7	8.9
29.2	7.8	67.0	10.8	126.8	9.3	218.6	8.8
31.1	7.8	68.0	10.8	127.8	9.3	221.5	8.8
33.1	7.8	68.0	10.7	127.8	9.4	223.4	8.7
33.1	7.9	69.0	10.7	130.7	9.4	226.3	8.7
34.1	7.9	69.0	10.6	130.7	9.4	229.1	8.6
35.0	7.9	69.0	10.5	131.6	9.3	232.9	8.5
35.0	7.8	70.9	10.5	132.6	9.3	235.8	8.6
36.0	7.6	71.9	10.5	132.6	9.2	238.6	8.5
37.0	7.6	73.8	10.4	134.5	9.2	240.5	8.5
38.9	7.6	74.8	10.4	136.4	9.2	242.4	8.5
40.9	7.5	76.7	10.3	138.3	9.2	244.3	8.5
41.8	7.5	76.7	10.2	141.2	9.2	245.2	8.4
42.8	7.4	76.7	10.1	142.2	9.1	247.1	8.3
43.8	7.3	76.7	10.1	144.1	9.1	248.1	8.2
43.8	7.2	78.6	10.0	148.9	9.1	249.0	8.1
43.8	7.1	80.6	10.0	151.8	9.2	250.9	8.0
45.7	7.1	81.5	10.0	153.7	9.2	252.8	8.0
46.7	7.2	83.5	10.0	154.7	9.2	254.7	7.9
46.7	7.3	85.4	9.9	156.6	9.3	256.6	7.8
47.6	7.4	85.4	9.9	156.6	9.3	257.6	7.7
48.6	7.5	87.3	9.9	158.5	9.4	258.5	7.6
48.6	7.7	88.3	9.8	161.4	9.4	260.4	7.6
48.6	7.8	89.2	9.7	164.2	9.4	261.4	7.5
49.6	8.0	90.2	9.7	166.2	9.4	263.3	7.5
50.6	8.0	91.2	9.6	168.1	9.4	264.2	7.5
52.5	8.0	92.1	9.6	170.0	9.4		
52.5	8.2	95.0	9.6	173.8	9.3		
53.5	8.3	96.0	9.5	175.7	9.4		
53.5	8.4	96.0	9.4	176.7	9.3		
54.4	8.5	97.0	9.3	179.5	9.3		
55.4	8.6	97.9	9.2	182.4	9.3		

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	68	05 MAY 1981	13.2	40°22.7 N	67°36.6 W	220

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	4.1	7.767	33.069	6.91		25.791	0.000	1479.	4.4
6	6.0	7.939	33.151	6.99		25.831	0.004	1480.	4.4
8	8.0	8.095	33.215	6.96		25.859	0.008	1481.	4.4
10	10.1	8.083	33.221	6.95		25.865	0.013	1481.	4.4
12	12.0	8.076	33.222	6.96		25.867	0.017	1481.	4.4
14	14.1	8.077	33.227	6.96		25.871	0.021	1481.	4.3
16	15.9	8.061	33.239	6.93		25.882	0.025	1481.	4.7
18	18.0	8.015	33.243	6.85		25.892	0.030	1481.	5.5
20	20.1	7.938	33.256	6.84		25.914	0.034	1480.	6.0
22	21.9	7.935	33.298	6.81		25.947	0.038	1480.	6.2
24	23.9	8.159	33.373	6.77		25.973	0.042	1481.	6.0
26	26.0	8.494	33.501	6.88		26.023	0.046	1483.	5.7
28	28.0	8.600	33.535	6.86		26.033	0.050	1483.	5.3
30	30.0	8.651	33.549	6.83		26.037	0.054	1484.	4.9
32	32.0	8.668	33.557	6.81		26.040	0.058	1484.	4.5
34	34.0	8.682	33.567	6.78		26.046	0.062	1484.	4.0
36	36.0	8.550	33.575	6.77		26.073	0.066	1483.	4.8
38	38.0	8.407	33.569	6.70		26.090	0.070	1483.	5.9
40	40.0	8.376	33.567	6.58		26.093	0.073	1483.	6.9
42	42.0	8.116	33.517	6.57		26.092	0.077	1482.	7.9
44	44.1	7.583	33.517	6.62		26.170	0.081	1480.	8.5
46	46.0	7.565	33.601	6.60		26.238	0.085	1480.	8.7
48	48.0	7.913	33.740	6.50		26.298	0.088	1481.	8.6
50	50.0	8.402	33.942	6.37		26.383	0.091	1483.	8.0
52	52.0	8.437	33.972	6.31		26.401	0.095	1484.	6.9
54	54.0	8.413	33.975	6.26		26.407	0.098	1484.	6.1
56	56.0	8.413	33.977	6.17		26.409	0.101	1484.	5.7
58	58.0	8.418	33.984	6.11		26.413	0.104	1484.	5.8
60	60.0	8.496	34.026	6.03		26.435	0.108	1484.	6.6
62	62.0	8.670	34.105	5.95		26.469	0.111	1485.	7.1
63	64.0	8.904	34.225	5.87		26.527	0.114	1486.	7.3
65	66.0	9.076	34.315	5.83		26.570	0.117	1487.	7.2
67	67.9	9.387	34.442	5.71		26.619	0.120	1488.	7.1
69	69.9	9.418	34.455	5.67		26.624	0.123	1488.	6.9
71	72.0	9.498	34.493	5.62		26.641	0.125	1489.	6.5
73	74.0	9.616	34.537	5.59		26.656	0.128	1489.	6.5
76	76.1	9.841	34.656	5.55		26.711	0.131	1490.	6.3
77	78.0	10.104	34.746	5.48		26.736	0.134	1491.	6.2
79	79.9	10.045	34.762	5.47		26.759	0.136	1491.	5.8
81	82.0	10.308	34.863	5.40		26.792	0.139	1492.	5.2
83	84.0	10.646	34.947	5.29		26.798	0.141	1493.	4.5
85	86.0	10.754	34.964	5.21		26.793	0.144	1494.	4.2
87	88.0	10.505	34.918	5.24		26.800	0.146	1493.	4.0
90	90.3	10.290	34.887	5.23		26.814	0.149	1492.	4.3
91	91.8	10.125	34.859	5.16		26.821	0.151	1492.	4.8
93	94.0	9.852	34.830	5.13		26.845	0.154	1491.	5.2
95	96.0	9.714	34.813	5.12		26.854	0.156	1490.	5.3
97	98.0	9.503	34.811	5.14		26.888	0.159	1489.	5.4
99	100.1	9.433	34.819	5.13		26.907	0.161	1489.	5.3
101	102.1	9.459	34.844	5.11		26.921	0.163	1489.	5.1

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	68	05 MAY 1981	13.2	40°22.7 N	67°36.6 W	220

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	9.474	34.859	5.07		26.931	0.165	1489.	4.9
105	106.0	9.606	34.914	5.00		26.952	0.168	1490.	4.4
107	108.0	9.688	34.948	4.97		26.965	0.170	1490.	4.1
109	110.0	9.694	34.953	4.92		26.968	0.172	1490.	3.7
111	112.0	9.582	34.952	4.92		26.986	0.174	1490.	3.3
113	114.0	9.541	34.943	4.89		26.985	0.176	1490.	2.8
115	116.0	9.454	34.927	4.90		26.987	0.179	1490.	2.4
117	118.1	9.353	34.908	4.91		26.989	0.181	1489.	2.2
119	120.0	9.326	34.905	4.90		26.991	0.183	1489.	1.8
121	121.9	9.310	34.904	4.88		26.993	0.185	1489.	2.0
123	124.0	9.315	34.909	4.85		26.996	0.187	1489.	2.0
125	126.1	9.320	34.912	4.86		26.997	0.190	1489.	2.2
127	128.1	9.325	34.917	4.83		27.000	0.192	1489.	2.3
129	130.0	9.326	34.922	4.81		27.005	0.194	1489.	2.4
131	132.0	9.329	34.927	4.80		27.008	0.196	1489.	2.4
133	134.0	9.333	34.935	4.82		27.013	0.198	1490.	2.7
135	135.9	9.371	34.951	4.81		27.020	0.200	1490.	2.8
137	138.0	9.395	34.959	4.81		27.022	0.202	1490.	2.8
139	140.1	9.476	34.977	4.82		27.023	0.204	1490.	2.8
141	142.0	9.528	35.006	4.82		27.037	0.207	1490.	2.6
143	144.0	9.786	35.067	4.81		27.041	0.209	1492.	2.3
145	146.0	10.049	35.131	4.79		27.047	0.211	1493.	2.1
147	147.9	10.243	35.172	4.76		27.045	0.213	1493.	1.8
149	150.0	10.303	35.186	4.74		27.045	0.215	1494.	1.3
151	152.0	10.236	35.172	4.74		27.046	0.217	1493.	1.0
153	154.0	10.164	35.157	4.74		27.047	0.219	1493.	1.1
155	156.0	10.142	35.155	4.75		27.049	0.221	1493.	1.3
157	158.0	10.131	35.154	4.75		27.050	0.223	1493.	1.4
159	160.0	10.073	35.136	4.73		27.046	0.225	1493.	1.9
161	162.0	9.980	35.123	4.71		27.052	0.227	1493.	2.2
163	164.0	9.919	35.111	4.72		27.053	0.229	1492.	2.4
165	166.0	9.942	35.118	4.71		27.054	0.231	1492.	2.5
167	168.0	9.689	35.080	4.75		27.068	0.233	1492.	2.4
169	170.0	9.653	35.076	4.76		27.070	0.235	1491.	2.6
171	172.0	9.610	35.068	4.74		27.072	0.237	1491.	2.5
173	174.0	9.603	35.068	4.74		27.073	0.239	1491.	2.4
175	176.0	9.582	35.060	4.73		27.070	0.241	1491.	2.0
177	178.0	9.626	35.093	4.71		27.089	0.244	1492.	1.9
179	180.1	9.752	35.116	4.68		27.086	0.246	1492.	1.7
181	182.0	9.767	35.120	4.67		27.086	0.248	1492.	1.5
183	184.0	9.839	35.134	4.66		27.085	0.250	1492.	1.0
185	186.0	9.811	35.128	4.64		27.085	0.252	1492.	1.0
186	188.0	9.783	35.122	4.58		27.085	0.254	1492.	1.8
188	190.0	9.759	35.118	4.55		27.086	0.256	1492.	2.3
190	191.3	9.714	35.104	4.52		27.082	0.257	1492.	2.8
190	192.0	9.568	35.099	4.53		27.103	0.258	1492.	3.1
191	193.0	9.537	35.092	4.53		27.103	0.259	1491.	3.5
192	194.0	9.531	35.094	4.53		27.105	0.260	1491.	3.6
194	195.1	9.532	35.096	4.52		27.107	0.261	1491.	3.6
194	196.0	9.521	35.096	4.51		27.108	0.262	1491.	3.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	68	05 MAY 1981	13.2	40°22.7 N	67°36.6 W	220

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
195	197.0	9.404	35.081	4.51		27.116	0.263	1491.	3.6
196	197.6	9.376	35.071	4.56		27.113	0.263	1491.	3.6

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	69	05 MAY 1981	13.9	40°21.9 N	67°38.9 W	475

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
0	0.0	8.357	33.267	6.88		25.861	0.000	1482.	3.3
2	2.0	8.357	33.267	6.88		25.861	0.004	1482.	3.3
4	3.8	8.357	33.267	6.88		25.861	0.008	1482.	3.3
6	6.0	8.356	33.269	6.84		25.862	0.013	1482.	3.3
8	8.1	8.318	33.276	6.81		25.873	0.017	1482.	3.3
10	10.1	8.264	33.273	6.89		25.879	0.021	1481.	3.6
12	11.8	8.237	33.282	6.84		25.890	0.025	1481.	4.0
14	14.0	8.279	33.300	6.70		25.898	0.030	1482.	4.2
16	16.3	8.388	33.346	6.72		25.918	0.035	1482.	4.2
18	17.9	8.415	33.356	6.78		25.921	0.038	1482.	4.1
20	20.0	8.426	33.386	6.71		25.944	0.042	1482.	3.9
22	22.2	8.443	33.399	6.72		25.951	0.047	1483.	3.6
24	23.7	8.430	33.399	6.78		25.953	0.050	1482.	3.3
26	26.0	8.425	33.404	6.71		25.957	0.055	1483.	3.1
28	28.1	8.404	33.408	6.71		25.964	0.059	1482.	2.9
30	30.0	8.382	33.408	6.78		25.967	0.063	1482.	3.1
32	32.0	8.306	33.400	6.72		25.972	0.067	1482.	3.2
34	34.0	8.297	33.409	6.70		25.980	0.071	1482.	3.5
36	35.9	8.327	33.427	6.70		25.990	0.075	1482.	3.9
38	38.2	8.341	33.438	6.70		25.997	0.079	1482.	4.3
40	39.9	8.330	33.443	6.65		26.002	0.082	1482.	4.8
42	42.0	8.335	33.469	6.59		26.022	0.087	1483.	6.3
44	44.1	8.277	33.489	6.61		26.047	0.091	1482.	7.7
45	45.8	8.220	33.497	6.63		26.061	0.094	1482.	8.6
48	48.0	8.335	33.559	6.30		26.093	0.098	1483.	9.6
50	50.0	9.623	34.001	6.09		26.235	0.102	1488.	10.5
52	52.2	9.980	34.183	6.16		26.318	0.106	1490.	10.8
53	53.6	9.753	34.164	6.01		26.341	0.108	1489.	10.7
56	56.0	9.360	34.243	5.95		26.467	0.112	1488.	10.2
58	58.1	9.761	34.436	5.73		26.553	0.115	1489.	9.1
59	60.0	10.148	34.558	5.59		26.582	0.118	1491.	8.1
61	62.0	10.138	34.577	5.49		26.598	0.121	1491.	7.2
63	63.9	10.259	34.631	5.43		26.620	0.124	1491.	5.9
66	66.2	10.363	34.674	5.43		26.635	0.127	1492.	5.0
67	67.9	10.361	34.680	5.43		26.640	0.130	1492.	4.7
69	69.9	10.094	34.646	5.47		26.660	0.132	1491.	4.4
71	72.1	10.027	34.651	5.47		26.675	0.135	1491.	4.4
73	74.1	10.179	34.695	5.43		26.684	0.138	1491.	4.3
75	75.9	10.019	34.667	5.39		26.689	0.140	1491.	4.2
77	78.0	10.077	34.687	5.34		26.695	0.143	1491.	4.0
80	80.2	10.436	34.808	5.32		26.727	0.146	1492.	4.0
81	82.0	10.432	34.806	5.31		26.726	0.149	1492.	4.1
83	83.9	10.302	34.782	5.31		26.730	0.151	1492.	4.2
85	86.0	10.084	34.750	5.33		26.743	0.154	1491.	4.6
87	88.1	10.254	34.805	5.29		26.757	0.157	1492.	4.7
89	90.0	10.115	34.784	5.27		26.764	0.159	1491.	4.9
91	91.9	9.985	34.784	5.27		26.786	0.162	1491.	4.8
93	94.2	9.963	34.825	5.24		26.822	0.164	1491.	4.5
95	95.8	9.946	34.825	5.19		26.825	0.166	1491.	4.2
97	97.9	9.915	34.822	5.15		26.828	0.169	1491.	3.7

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	69	05 MAY 1981	13.9	40°21.9 N	67°38.9 W	475

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
99	100.2	9.899	34.823	5.13		26.831	0.172	1491.	3.3
101	101.8	9.933	34.837	5.15		26.837	0.174	1491.	3.1
103	104.0	10.004	34.857	5.12		26.840	0.176	1491.	3.3
105	106.0	9.988	34.858	5.14		26.843	0.179	1491.	3.4
107	108.1	9.914	34.866	5.15		26.862	0.181	1491.	3.4
109	110.0	10.159	34.933	5.08		26.873	0.184	1492.	3.4
111	112.0	10.385	34.993	5.04		26.880	0.186	1493.	3.5
113	114.3	10.725	35.073	5.02		26.882	0.189	1494.	3.5
115	115.9	10.912	35.120	4.98		26.886	0.191	1495.	3.5
117	118.0	11.230	35.202	4.94		26.891	0.193	1496.	3.6
119	120.2	11.585	35.317	4.95		26.915	0.196	1498.	3.6
121	121.9	11.554	35.314	4.96		26.918	0.198	1498.	3.6
123	124.1	11.601	35.340	4.93		26.929	0.200	1498.	3.6
125	126.2	11.681	35.371	4.94		26.939	0.203	1498.	3.7
127	127.9	11.823	35.408	4.86		26.940	0.205	1499.	3.7
129	130.1	11.870	35.422	4.84		26.942	0.207	1499.	3.8
131	132.0	11.614	35.377	4.91		26.956	0.209	1498.	3.7
133	134.0	11.020	35.259	4.95		26.974	0.211	1496.	3.6
135	136.0	10.489	35.149	4.91		26.983	0.214	1494.	3.5
137	138.0	10.391	35.129	4.87		26.985	0.216	1494.	3.2
139	140.3	10.412	35.136	4.84		26.987	0.218	1494.	2.7
141	141.8	10.446	35.148	4.81		26.990	0.220	1494.	2.2
143	144.1	10.346	35.126	4.83		26.991	0.223	1494.	2.3
145	145.9	10.324	35.126	4.83		26.995	0.225	1494.	2.4
147	148.1	10.333	35.133	4.79		26.998	0.227	1494.	2.5
149	149.8	10.199	35.106	4.82		27.001	0.229	1493.	2.7
151	152.0	10.062	35.088	4.81		27.011	0.231	1493.	2.9
153	154.0	10.046	35.087	4.80		27.012	0.233	1493.	3.0
155	156.2	10.161	35.119	4.78		27.018	0.236	1493.	2.9
157	158.0	10.269	35.152	4.73		27.024	0.238	1494.	2.7
159	159.9	10.522	35.226	4.71		27.038	0.240	1495.	2.4
161	162.0	10.726	35.273	4.70		27.038	0.242	1495.	2.1
163	164.3	10.871	35.306	4.71		27.038	0.244	1496.	1.6
164	165.8	11.005	35.337	4.66		27.038	0.246	1497.	1.0
167	168.0	10.856	35.303	4.71		27.038	0.248	1496.	0.5
169	170.3	10.916	35.317	4.71		27.038	0.250	1496.	0.5
171	171.9	11.276	35.402	4.68		27.038	0.252	1498.	0.5
173	174.1	11.328	35.414	4.68		27.039	0.254	1498.	0.4
175	176.1	11.368	35.424	4.71		27.039	0.257	1498.	0.3
177	177.9	11.455	35.445	4.68		27.039	0.258	1498.	0.9
178	179.9	11.420	35.437	4.66		27.039	0.261	1498.	1.4
180	182.0	11.329	35.415	4.66		27.039	0.263	1498.	1.8
183	184.2	11.289	35.408	4.63		27.041	0.265	1498.	2.1
184	185.9	11.229	35.397	4.60		27.044	0.267	1498.	2.4
186	188.0	11.099	35.376	4.60		27.051	0.269	1497.	2.8
189	190.3	11.027	35.363	4.59		27.054	0.271	1497.	3.0
190	191.8	10.981	35.356	4.53		27.057	0.273	1497.	3.1
192	194.0	10.841	35.333	4.53		27.064	0.275	1496.	3.0
194	196.0	10.642	35.303	4.53		27.076	0.277	1496.	2.9
196	198.1	10.413	35.252	4.51		27.077	0.279	1495.	2.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	69	05 MAY 1981	13.9	40°21.9 N	67°38.9 W	475

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
198	199.9	10.227	35.213	4.46		27.080	0.281	1494.	2.9
200	202.0	10.026	35.173	4.48		27.083	0.283	1493.	2.8
202	204.2	9.749	35.116	4.50		27.086	0.286	1492.	2.7
204	205.8	9.669	35.102	4.53		27.088	0.287	1492.	2.9
206	207.9	9.583	35.097	4.54		27.099	0.289	1492.	2.8
208	210.0	9.541	35.092	4.55		27.102	0.292	1492.	2.8
210	212.2	9.462	35.082	4.55		27.107	0.294	1491.	2.6
212	213.9	9.439	35.084	4.51		27.113	0.295	1491.	2.6
214	216.0	9.451	35.087	4.50		27.113	0.297	1492.	2.5
216	218.1	9.452	35.091	4.50		27.116	0.299	1492.	2.4
218	220.0	9.455	35.095	4.49		27.119	0.301	1492.	2.2
220	222.0	9.409	35.094	4.48		27.126	0.303	1491.	2.1
222	224.0	9.300	35.078	4.50		27.131	0.305	1491.	2.3
224	226.1	9.298	35.075	4.49		27.129	0.307	1491.	2.4
226	227.9	9.291	35.075	4.48		27.130	0.309	1491.	2.5
228	230.0	9.280	35.074	4.47		27.131	0.311	1491.	2.4
230	232.0	9.219	35.075	4.49		27.142	0.313	1491.	2.5
232	234.2	9.180	35.076	4.48		27.149	0.315	1491.	2.6
234	235.8	9.170	35.077	4.45		27.151	0.317	1491.	2.7
236	238.0	9.165	35.076	4.44		27.152	0.319	1491.	2.7
238	240.1	9.152	35.076	4.43		27.154	0.321	1491.	2.9
240	241.8	9.129	35.076	4.42		27.158	0.322	1491.	3.4
242	244.0	9.079	35.079	4.39		27.168	0.324	1491.	3.9
244	246.1	9.019	35.075	4.38		27.174	0.326	1490.	4.5
246	247.9	8.922	35.074	4.37		27.189	0.328	1490.	4.8
248	250.0	8.798	35.078	4.32		27.212	0.330	1490.	4.8
250	252.1	8.695	35.076	4.29		27.227	0.332	1489.	4.6
252	254.0	8.556	35.078	4.24		27.250	0.333	1489.	4.5
254	255.9	8.529	35.077	4.19		27.254	0.335	1489.	4.4
256	258.1	8.509	35.077	4.16		27.257	0.337	1489.	4.2
258	259.9	8.472	35.075	4.16		27.261	0.339	1489.	4.3
260	262.3	8.327	35.063	4.16		27.274	0.341	1488.	4.2
262	263.9	8.142	35.059	4.17		27.299	0.342	1487.	4.3
264	266.1	8.056	35.053	4.14		27.307	0.344	1487.	4.2
266	267.9	7.920	35.046	4.16		27.322	0.345	1487.	3.9
268	270.0	7.898	35.045	4.13		27.325	0.347	1487.	3.4
270	272.1	7.860	35.045	4.13		27.330	0.348	1486.	2.8
271	273.8	7.852	35.044	4.16		27.331	0.350	1486.	2.4
274	276.0	7.825	35.042	4.17		27.333	0.351	1486.	2.2
276	278.1	7.792	35.041	4.18		27.337	0.353	1486.	2.2
278	280.0	7.776	35.040	4.21		27.339	0.355	1486.	2.3
280	282.0	7.759	35.039	4.18		27.341	0.356	1486.	2.4
282	284.1	7.710	35.039	4.16		27.348	0.358	1486.	2.4
284	286.0	7.672	35.034	4.20		27.350	0.359	1486.	2.3
286	288.2	7.627	35.034	4.21		27.356	0.361	1486.	2.2
287	289.8	7.606	35.032	4.18		27.358	0.362	1486.	2.0
289	291.9	7.614	35.033	4.18		27.357	0.364	1486.	1.7
292	294.0	7.610	35.035	4.19		27.360	0.365	1486.	1.6
293	295.8	7.604	35.036	4.22		27.361	0.367	1486.	1.4
295	298.0	7.593	35.035	4.23		27.362	0.368	1486.	1.4

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	69	05 MAY 1981	13.9	40 21.9 N	67 38.9 W	475

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
297	300.0	7.593	35.036	4.22		27.363	0.370	1486.	1.3
299	302.0	7.579	35.034	4.24		27.363	0.371	1486.	1.2
301	304.0	7.557	35.033	4.20		27.365	0.373	1486.	1.2
303	305.9	7.553	35.032	4.20		27.366	0.374	1486.	1.1
306	308.1	7.552	35.032	4.22		27.366	0.376	1486.	1.0
307	310.0	7.550	35.033	4.22		27.366	0.377	1486.	0.9
309	311.9	7.543	35.032	4.17		27.367	0.379	1486.	0.8
311	314.0	7.542	35.032	4.16		27.367	0.380	1486.	1.0
314	316.2	7.539	35.032	4.16		27.368	0.382	1486.	1.0
315	317.9	7.541	35.032	4.22		27.367	0.383	1486.	1.0
317	320.0	7.525	35.032	4.19		27.369	0.385	1486.	1.0
320	322.3	7.517	35.032	4.20		27.371	0.387	1486.	1.0
321	323.9	7.518	35.032	4.21		27.370	0.388	1486.	1.0
323	326.0	7.513	35.032	4.19		27.371	0.389	1486.	1.3
325	328.2	7.515	35.032	4.20		27.371	0.391	1486.	2.0
327	329.6	7.514	35.031	4.22		27.371	0.392	1486.	2.9
329	332.0	7.506	35.032	4.21		27.372	0.394	1486.	3.6
331	334.2	7.424	35.026	4.22		27.380	0.396	1486.	4.4
333	335.9	7.254	35.018	4.29		27.397	0.397	1485.	5.0
335	338.0	7.074	35.010	4.29		27.417	0.398	1485.	5.4
337	339.9	6.905	35.005	4.35		27.436	0.400	1484.	5.5
339	342.0	6.643	34.990	4.43		27.461	0.401	1483.	5.4
341	343.9	6.412	34.983	4.58		27.485	0.402	1482.	5.0
343	346.0	6.365	34.986	4.68		27.494	0.404	1482.	4.6
345	348.0	6.277	34.983	4.76		27.503	0.405	1482.	4.1
347	350.0	6.252	34.986	4.78		27.509	0.406	1481.	3.5
349	352.1	6.228	34.986	4.83		27.512	0.407	1481.	2.9
351	354.0	6.187	34.988	4.81		27.520	0.409	1481.	2.6
353	356.0	6.166	34.991	4.79		27.525	0.410	1481.	2.2
355	358.0	6.164	34.992	4.79		27.525	0.411	1481.	1.9
357	359.9	6.158	34.992	4.79		27.526	0.412	1481.	1.7
359	361.9	6.153	34.992	4.77		27.527	0.413	1481.	1.5
361	364.0	6.155	34.992	4.74		27.527	0.415	1481.	1.7
363	366.1	6.143	34.992	4.74		27.528	0.416	1481.	1.8
365	367.9	6.130	34.992	4.76		27.530	0.417	1481.	2.0
367	370.0	6.097	34.992	4.76		27.534	0.418	1481.	2.2
369	372.1	6.054	34.992	4.75		27.540	0.419	1481.	2.3
371	374.3	6.041	34.991	4.80		27.541	0.421	1481.	2.3
373	375.9	6.011	34.992	4.85		27.545	0.422	1481.	2.2
375	377.9	5.997	34.992	4.83		27.547	0.423	1481.	2.1
377	380.0	5.964	34.991	4.83		27.550	0.424	1481.	2.0
379	382.3	5.934	34.988	4.84		27.552	0.425	1481.	2.0
381	383.9	5.916	34.987	4.90		27.554	0.426	1481.	1.9
383	386.0	5.892	34.986	4.90		27.556	0.427	1481.	1.9
385	388.1	5.864	34.983	4.91		27.557	0.429	1481.	1.8
387	390.0	5.838	34.982	4.96		27.559	0.430	1480.	1.9
389	391.9	5.823	34.982	4.93		27.561	0.431	1480.	1.9
391	394.0	5.799	34.981	4.92		27.563	0.432	1480.	2.0
393	396.1	5.765	34.977	4.95		27.565	0.433	1480.	2.0
394	397.9	5.753	34.980	4.99		27.569	0.434	1480.	1.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	69	05 MAY 1981	13.9	40°21.9 N	67°38.9 W	475

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
397	400.0	5.757	34.984	4.97		27.571	0.435	1480.	1.9
398	401.3	5.759	34.985	4.98		27.572	0.436	1480.	1.7
399	402.0	5.757	34.986	4.99		27.572	0.437	1480.	1.6
400	403.0	5.755	34.985	4.98		27.572	0.437	1480.	1.3
401	404.0	5.743	34.984	4.97		27.573	0.438	1480.	1.3
402	405.0	5.731	34.981	4.97		27.572	0.438	1480.	1.4
402	405.9	5.741	34.986	5.00		27.575	0.439	1480.	1.5
403	407.0	5.750	34.985	4.99		27.573	0.439	1480.	1.5
404	408.0	5.700	34.981	4.98		27.576	0.440	1480.	1.5
406	409.2	5.671	34.977	4.96		27.576	0.441	1480.	1.5
406	409.7	5.671	34.978	4.99		27.577	0.441	1480.	1.5

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	70	05 MAY 1981	14.4	40°21.2 N	67°41.3 W	695

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
4	4.3	8.296	33.289	7.03		25.887	0.000	1482.	3.4
6	6.0	8.297	33.291	6.98		25.888	0.004	1482.	3.4
8	7.9	8.304	33.292	6.98		25.888	0.008	1482.	3.4
10	10.1	8.296	33.301	6.97		25.896	0.012	1482.	3.4
12	11.8	8.308	33.313	6.99		25.904	0.016	1482.	3.4
14	14.1	8.341	33.329	6.90		25.911	0.021	1482.	3.5
16	16.0	8.365	33.356	6.90		25.929	0.024	1482.	3.4
18	18.0	8.334	33.354	6.92		25.932	0.029	1482.	3.2
20	19.9	8.285	33.352	6.94		25.938	0.033	1482.	2.8
22	22.0	8.269	33.353	6.90		25.941	0.037	1482.	2.4
24	24.1	8.265	33.355	6.84		25.943	0.041	1482.	1.9
26	25.9	8.267	33.357	6.84		25.944	0.045	1482.	1.7
28	27.9	8.274	33.360	6.84		25.945	0.049	1482.	1.8
30	30.0	8.274	33.360	6.82		25.946	0.053	1482.	2.5
32	32.0	8.275	33.362	6.82		25.947	0.057	1482.	3.4
34	33.9	8.287	33.367	6.76		25.949	0.061	1482.	5.1
36	36.0	8.338	33.390	6.76		25.960	0.066	1482.	7.3
38	38.1	8.472	33.445	6.75		25.983	0.070	1483.	8.8
40	39.9	8.688	33.526	6.62		26.013	0.074	1484.	9.8
42	41.9	9.638	33.864	6.16		26.126	0.078	1488.	10.4
44	44.1	11.363	34.442	5.97		26.275	0.082	1495.	10.6
46	45.9	11.848	34.634	5.83		26.334	0.084	1497.	10.3
48	48.1	11.736	34.686	5.84		26.396	0.088	1496.	9.6
49	49.9	11.301	34.617	5.80		26.423	0.091	1495.	8.2
52	52.0	11.209	34.629	5.66		26.449	0.094	1495.	6.9
53	53.9	11.052	34.627	5.64		26.476	0.097	1494.	6.1
56	56.0	10.752	34.598	5.67		26.508	0.101	1493.	5.4
58	58.3	10.550	34.557	5.67		26.512	0.104	1492.	5.1
59	59.9	10.369	34.524	5.67		26.517	0.107	1492.	4.9
62	62.0	9.906	34.451	5.74		26.540	0.110	1490.	4.9
64	64.1	9.778	34.428	5.75		26.543	0.113	1489.	4.9
66	66.1	10.220	34.553	5.64		26.565	0.116	1491.	5.1
67	67.9	10.346	34.601	5.59		26.581	0.119	1492.	5.3
69	70.0	10.151	34.604	5.60		26.617	0.122	1491.	5.6
72	72.1	9.990	34.567	5.60		26.616	0.125	1490.	5.8
73	74.0	9.885	34.563	5.58		26.631	0.127	1490.	5.8
75	75.9	9.485	34.528	5.59		26.670	0.130	1489.	5.6
77	78.1	9.166	34.495	5.58		26.696	0.133	1487.	5.2
79	80.1	9.197	34.527	5.52		26.716	0.136	1488.	4.9
81	81.8	9.178	34.527	5.47		26.720	0.138	1488.	4.4
83	84.0	9.218	34.544	5.40		26.726	0.141	1488.	4.0
85	86.2	9.263	34.560	5.40		26.731	0.144	1488.	3.9
87	87.8	9.320	34.576	5.40		26.735	0.146	1488.	4.2
89	90.0	9.509	34.634	5.36		26.749	0.149	1489.	4.8
91	92.1	9.775	34.720	5.32		26.772	0.151	1490.	5.3
93	93.9	10.025	34.789	5.24		26.783	0.154	1491.	5.6
95	96.0	10.575	34.947	5.14		26.811	0.156	1493.	5.8
97	98.1	10.918	35.073	5.12		26.848	0.159	1495.	5.7
99	99.9	10.971	35.105	5.07		26.863	0.161	1495.	5.3
101	101.8	10.730	35.071	5.04		26.880	0.163	1494.	4.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	70	05 MAY 1981	14.4	40°21.2 N	67°41.3 W	695

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
103	104.0	10.392	35.020	5.07		26.901	0.166	1493.	4.2
105	106.2	10.263	34.990	5.07		26.899	0.168	1492.	3.5
107	107.7	10.173	34.973	5.00		26.901	0.170	1492.	3.1
109	110.0	10.030	34.948	4.95		26.907	0.173	1492.	2.8
111	112.1	9.891	34.920	4.99		26.908	0.175	1491.	2.7
113	114.0	9.743	34.892	5.01		26.911	0.178	1491.	2.9
115	115.9	9.721	34.899	4.98		26.921	0.180	1491.	2.8
117	118.1	9.563	34.876	4.98		26.929	0.182	1490.	2.9
119	119.9	9.551	34.877	4.98		26.932	0.184	1490.	2.9
121	122.0	9.560	34.883	4.95		26.935	0.187	1490.	2.7
123	123.9	9.566	34.886	4.93		26.937	0.189	1490.	2.5
125	126.2	9.662	34.918	4.92		26.946	0.191	1491.	2.1
127	127.8	9.713	34.934	4.92		26.950	0.193	1491.	1.9
129	130.1	9.733	34.939	4.92		26.950	0.196	1491.	1.5
131	132.1	9.752	34.946	4.93		26.953	0.198	1491.	1.3
133	134.3	9.766	34.943	4.95		26.948	0.201	1491.	1.6
135	135.7	9.801	34.953	4.89		26.949	0.202	1491.	2.1
137	137.9	9.987	34.988	4.83		26.945	0.205	1492.	2.6
139	140.0	10.141	35.034	4.79		26.955	0.207	1493.	2.9
141	142.3	10.147	35.057	4.85		26.971	0.210	1493.	3.2
143	143.9	9.990	35.030	4.85		26.978	0.211	1492.	3.6
145	146.0	9.759	34.988	4.86		26.984	0.214	1491.	3.8
147	148.0	9.661	34.967	4.86		26.984	0.216	1491.	3.6
149	150.3	9.568	34.960	4.89		26.994	0.218	1491.	3.4
151	151.9	9.429	34.961	4.79		27.018	0.220	1490.	3.2
153	153.9	9.368	34.945	4.79		27.016	0.222	1490.	2.9
155	156.0	9.357	34.945	4.78		27.018	0.224	1490.	2.6
157	158.2	9.350	34.946	4.78		27.019	0.227	1490.	2.1
159	160.0	9.347	34.948	4.75		27.021	0.229	1490.	1.7
161	162.0	9.346	34.949	4.73		27.022	0.231	1490.	2.0
163	164.1	9.345	34.950	4.74		27.024	0.233	1490.	2.2
165	166.1	9.345	34.954	4.73		27.026	0.235	1490.	2.4
167	167.9	9.348	34.963	4.69		27.033	0.237	1490.	2.6
169	170.0	9.352	34.968	4.69		27.036	0.239	1490.	2.7
171	172.1	9.347	34.976	4.68		27.043	0.241	1490.	2.8
172	173.9	9.336	34.977	4.69		27.046	0.243	1490.	2.7
174	175.9	9.347	34.990	4.65		27.054	0.245	1490.	2.7
177	178.0	9.405	35.006	4.65		27.057	0.247	1491.	2.7
179	180.3	9.431	35.015	4.65		27.060	0.250	1491.	2.7
180	181.9	9.484	35.029	4.62		27.062	0.252	1491.	2.6
183	184.1	9.494	35.042	4.58		27.071	0.254	1491.	2.4
184	186.0	9.450	35.040	4.61		27.076	0.256	1491.	2.4
187	188.0	9.449	35.044	4.60		27.079	0.258	1491.	2.3
189	190.2	9.440	35.042	4.59		27.080	0.260	1491.	2.3
190	191.9	9.428	35.040	4.56		27.080	0.262	1491.	2.2
192	194.0	9.421	35.043	4.55		27.083	0.264	1491.	2.3
195	196.3	9.443	35.055	4.55		27.090	0.266	1491.	2.4
196	197.8	9.460	35.063	4.53		27.093	0.268	1491.	2.6
198	199.9	9.438	35.065	4.49		27.098	0.270	1491.	2.7
200	202.0	9.408	35.063	4.48		27.101	0.272	1491.	2.9

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	70	05 MAY 1981	14.4	40°21.2 N	67°41.3 W	695

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
203	204.3	9.419	35.074	4.49		27.108	0.274	1491.	2.9
204	205.7	9.438	35.084	4.47		27.113	0.275	1491.	2.8
206	208.0	9.503	35.104	4.42		27.118	0.278	1492.	2.7
208	210.1	9.520	35.123	4.43		27.130	0.280	1492.	2.5
210	212.1	9.463	35.110	4.43		27.129	0.282	1492.	2.3
212	213.6	9.456	35.108	4.40		27.128	0.283	1492.	2.2
214	216.0	9.437	35.107	4.37		27.131	0.285	1491.	2.0
216	218.1	9.410	35.105	4.36		27.134	0.287	1491.	1.9
218	220.0	9.405	35.107	4.40		27.136	0.289	1491.	2.0
220	221.8	9.383	35.108	4.36		27.141	0.291	1491.	2.0
222	224.0	9.375	35.108	4.36		27.142	0.293	1491.	2.0
224	226.1	9.360	35.108	4.36		27.144	0.295	1491.	2.0
226	227.9	9.344	35.107	4.38		27.146	0.297	1491.	2.0
228	230.0	9.329	35.106	4.35		27.148	0.299	1491.	1.9
230	232.1	9.318	35.107	4.34		27.150	0.301	1491.	2.0
232	233.9	9.308	35.109	4.37		27.154	0.303	1491.	1.9
234	236.1	9.301	35.111	4.36		27.156	0.305	1491.	1.9
236	237.8	9.292	35.112	4.34		27.158	0.306	1491.	1.8
238	240.0	9.284	35.112	4.33		27.160	0.308	1491.	1.7
240	241.9	9.274	35.112	4.32		27.162	0.310	1491.	1.6
242	244.1	9.259	35.110	4.33		27.163	0.312	1491.	1.5
244	246.1	9.258	35.110	4.34		27.163	0.314	1491.	1.6
246	247.9	9.242	35.110	4.32		27.165	0.316	1491.	1.9
248	250.0	9.228	35.108	4.30		27.166	0.318	1491.	2.1
250	252.1	9.203	35.104	4.31		27.167	0.320	1491.	2.6
252	253.8	9.169	35.104	4.32		27.173	0.321	1491.	3.5
254	255.9	9.051	35.088	4.31		27.179	0.323	1491.	4.1
256	258.1	8.985	35.079	4.29		27.183	0.325	1490.	4.5
258	259.9	8.827	35.069	4.33		27.201	0.327	1490.	5.0
260	261.9	8.582	35.064	4.32		27.235	0.329	1489.	5.2
262	264.1	8.502	35.067	4.28		27.250	0.331	1489.	5.1
264	265.8	8.451	35.062	4.27		27.254	0.332	1489.	4.9
266	268.1	8.240	35.061	4.25		27.286	0.334	1488.	4.4
268	269.9	8.187	35.056	4.25		27.290	0.336	1488.	4.0
270	271.9	8.179	35.057	4.21		27.292	0.337	1488.	3.8
272	274.1	8.158	35.057	4.21		27.295	0.339	1488.	3.6
273	275.8	8.069	35.050	4.23		27.303	0.340	1487.	3.2
276	278.0	7.956	35.049	4.21		27.320	0.342	1487.	3.1
278	280.0	7.923	35.047	4.21		27.323	0.344	1487.	2.9
280	282.2	7.899	35.046	4.24		27.325	0.346	1487.	2.4
282	283.9	7.885	35.045	4.22		27.327	0.347	1487.	1.7
284	285.9	7.868	35.044	4.19		27.329	0.348	1487.	0.4
286	288.0	7.891	35.046	4.18		27.327	0.350	1487.	0.9
288	290.1	7.953	35.053	4.22		27.323	0.352	1487.	0.8
289	291.9	7.957	35.053	4.20		27.322	0.353	1487.	0.7
292	294.0	7.951	35.048	4.19		27.319	0.355	1487.	1.4
294	296.0	7.917	35.046	4.22		27.323	0.356	1487.	2.2
296	298.2	7.877	35.044	4.23		27.327	0.358	1487.	2.9
297	300.0	7.815	35.042	4.22		27.335	0.360	1487.	3.4
299	301.9	7.788	35.041	4.19		27.338	0.361	1487.	3.8

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	70	05 MAY 1981	14.4	40°21.2 N	67°41.3 W	695

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
301	304.0	7.675	35.037	4.20		27.352	0.363	1486.	3.8
303	306.0	7.592	35.039	4.22		27.365	0.364	1486.	3.8
306	308.1	7.415	35.020	4.29		27.376	0.366	1485.	3.6
307	309.9	7.385	35.028	4.30		27.387	0.367	1485.	3.6
309	311.9	7.417	35.024	4.31		27.379	0.369	1485.	3.7
311	314.0	7.346	35.028	4.32		27.392	0.370	1485.	3.7
314	316.2	7.284	35.018	4.32		27.393	0.372	1485.	3.8
315	317.8	7.082	35.004	4.42		27.411	0.373	1484.	3.9
317	320.0	6.961	35.009	4.44		27.431	0.374	1484.	4.2
319	322.2	6.907	35.002	4.45		27.434	0.376	1484.	4.0
321	323.7	6.873	35.000	4.50		27.437	0.377	1483.	3.8
323	326.0	6.776	35.002	4.51		27.452	0.379	1483.	3.5
325	328.2	6.654	34.996	4.50		27.463	0.380	1483.	3.3
327	329.9	6.676	34.997	4.56		27.461	0.381	1483.	3.2
329	332.0	6.616	34.993	4.55		27.466	0.383	1483.	3.0
331	334.1	6.565	34.994	4.53		27.474	0.384	1482.	2.6
333	336.0	6.540	34.997	4.58		27.480	0.385	1482.	2.3
335	338.0	6.538	35.001	4.61		27.483	0.386	1482.	2.3
337	339.9	6.538	35.001	4.60		27.483	0.388	1482.	2.1
339	342.1	6.537	35.001	4.58		27.484	0.389	1482.	2.0
341	343.9	6.536	35.003	4.60		27.485	0.390	1482.	2.0
343	346.1	6.529	35.006	4.57		27.488	0.392	1483.	2.1
345	347.8	6.512	35.009	4.59		27.493	0.393	1482.	2.3
347	350.0	6.497	35.011	4.60		27.496	0.394	1482.	2.4
349	352.0	6.470	35.013	4.61		27.502	0.395	1482.	2.4
351	354.1	6.452	35.011	4.62		27.502	0.397	1482.	2.3
353	355.9	6.427	35.012	4.63		27.506	0.398	1482.	2.1
355	358.1	6.401	35.012	4.61		27.510	0.399	1482.	2.0
357	360.1	6.387	35.011	4.63		27.511	0.400	1482.	1.9
359	362.1	6.381	35.012	4.65		27.513	0.402	1482.	1.8
361	363.9	6.374	35.013	4.63		27.514	0.403	1482.	1.6
363	366.1	6.375	35.016	4.60		27.517	0.404	1482.	1.6
365	368.0	6.383	35.019	4.61		27.518	0.405	1482.	1.6
367	370.2	6.402	35.025	4.63		27.520	0.407	1482.	1.6
369	372.0	6.413	35.025	4.62		27.518	0.408	1483.	1.4
371	374.0	6.412	35.031	4.58		27.523	0.409	1483.	1.4
373	376.0	6.385	35.028	4.60		27.525	0.410	1482.	1.4
375	377.9	6.383	35.028	4.60		27.525	0.411	1482.	1.3
377	380.1	6.391	35.027	4.59		27.523	0.413	1483.	1.3
379	381.8	6.375	35.028	4.61		27.526	0.414	1483.	1.4
381	384.0	6.363	35.028	4.60		27.528	0.415	1483.	1.7
383	386.0	6.353	35.027	4.60		27.528	0.416	1483.	1.9
385	388.2	6.337	35.025	4.63		27.529	0.417	1482.	2.0
387	390.0	6.245	35.017	4.68		27.535	0.419	1482.	1.9
389	391.9	6.215	35.017	4.65		27.538	0.420	1482.	1.9
391	394.0	6.211	35.016	4.66		27.538	0.421	1482.	1.8
393	396.0	6.194	35.015	4.68		27.540	0.422	1482.	1.6
395	398.3	6.174	35.014	4.72		27.541	0.423	1482.	1.2
396	399.9	6.173	35.014	4.76		27.542	0.424	1482.	1.1
398	401.9	6.166	35.013	4.72		27.541	0.426	1482.	1.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	70	05 MAY 1981	14.4	40°21.2 N	67°41.3 W	695

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
400	404.0	6.163	35.012	4.70		27.542	0.427	1482.	1.6
403	406.2	6.160	35.012	4.73		27.542	0.428	1482.	1.9
404	408.0	6.114	35.009	4.80		27.545	0.429	1482.	2.2
407	410.1	6.077	35.005	4.80		27.547	0.430	1482.	2.3
409	412.1	5.971	34.998	4.84		27.555	0.432	1481.	2.3
410	413.8	5.913	34.991	4.88		27.557	0.433	1481.	2.3
412	416.0	5.874	34.989	4.90		27.560	0.434	1481.	2.2
414	418.1	5.843	34.984	4.92		27.560	0.435	1481.	2.2
416	419.9	5.814	34.980	4.97		27.561	0.436	1481.	2.1
418	422.0	5.780	34.978	4.96		27.563	0.437	1481.	2.2
420	424.1	5.728	34.976	4.95		27.569	0.439	1481.	2.4
422	425.9	5.705	34.975	5.05		27.571	0.440	1481.	2.5
424	428.0	5.662	34.975	5.03		27.576	0.441	1480.	2.5
426	430.1	5.578	34.968	5.01		27.581	0.442	1480.	2.4
428	432.0	5.546	34.965	5.07		27.583	0.443	1480.	2.3
430	434.2	5.522	34.964	5.12		27.585	0.444	1480.	2.2
432	435.7	5.503	34.963	5.18		27.586	0.445	1480.	2.1
434	438.0	5.460	34.960	5.15		27.589	0.446	1480.	1.9
436	440.0	5.414	34.957	5.16		27.592	0.447	1480.	1.7
438	442.1	5.400	34.957	5.22		27.594	0.448	1480.	1.5
440	443.9	5.398	34.957	5.25		27.594	0.449	1480.	1.3
442	446.2	5.399	34.957	5.20		27.594	0.451	1480.	1.0
444	447.7	5.396	34.957	5.23		27.594	0.452	1480.	0.8
446	450.1	5.394	34.957	5.24		27.595	0.453	1480.	0.7
448	452.0	5.391	34.957	5.21		27.595	0.454	1480.	0.7
450	454.0	5.389	34.957	5.24		27.595	0.455	1480.	0.8
452	456.0	5.385	34.957	5.26		27.595	0.456	1480.	0.9
454	458.1	5.380	34.957	5.20		27.596	0.457	1480.	1.1
456	460.0	5.376	34.957	5.23		27.596	0.458	1480.	1.3
458	461.9	5.371	34.956	5.25		27.597	0.459	1480.	1.4
460	464.2	5.338	34.954	5.24		27.599	0.460	1480.	1.4
462	465.7	5.325	34.954	5.28		27.601	0.461	1480.	1.4
464	468.0	5.307	34.953	5.23		27.602	0.462	1480.	1.5
466	470.1	5.301	34.953	5.20		27.603	0.464	1480.	1.5
468	472.2	5.298	34.953	5.22		27.603	0.465	1480.	1.4
469	473.7	5.291	34.954	5.29		27.604	0.465	1480.	1.4
472	476.0	5.264	34.953	5.31		27.607	0.467	1480.	1.4
474	478.1	5.249	34.952	5.32		27.608	0.468	1480.	1.6
476	480.3	5.242	34.952	5.36		27.609	0.469	1480.	1.7
478	481.9	5.236	34.952	5.36		27.609	0.470	1480.	1.7
480	483.8	5.223	34.951	5.29		27.610	0.471	1480.	1.7
482	486.0	5.175	34.950	5.30		27.615	0.472	1479.	1.6
484	488.0	5.159	34.950	5.30		27.617	0.473	1479.	1.5
486	490.3	5.157	34.950	5.32		27.617	0.474	1479.	1.3
487	491.8	5.156	34.950	5.39		27.617	0.475	1479.	1.2
490	494.0	5.154	34.949	5.39		27.617	0.476	1479.	0.9
492	496.1	5.153	34.949	5.37		27.617	0.477	1479.	0.9
494	498.2	5.147	34.950	5.41		27.618	0.478	1479.	1.0
495	499.8	5.139	34.949	5.40		27.619	0.479	1479.	1.2
515	519.9	5.054	34.947	5.47		27.627	0.490	1479.	1.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	70	05 MAY 1981	14.4	40°21.2 N	67°41.3 W	695

DEPTH m	PRESS dbar	TEMP °C	SALIN psu	OXY ml/l	ATN m-1	SIGT gm/cm^3	DYHT A $10m^2/s^2$	S SPD m/s	N cph
535	540.1	4.969	34.945	5.42		27.636	0.500	1479.	1.5
555	559.9	4.879	34.943	5.52		27.645	0.510	1479.	0.7
575	579.9	4.872	34.943	5.47		27.645	0.520	1480.	0.4
595	600.1	4.846	34.943	5.52		27.648	0.530	1480.	0.8
614	619.7	4.820	34.943	5.54		27.651	0.540	1480.	1.0
634	639.9	4.781	34.941	5.56		27.654	0.550	1480.	0.4
654	660.1	4.773	34.941	5.55		27.655	0.560	1481.	0.6
674	680.1	4.713	34.939	5.59		27.660	0.570	1481.	1.0

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	71	05 MAY 1981	15.1	40°22.3 N	67°42.9 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	2.8	8.464	33.310	6.93		25.878	0.000	1482.	2.9
4	4.0	8.418	33.308	6.92		25.884	0.002	1482.	2.9
6	6.0	8.179	33.295	6.93		25.909	0.007	1481.	2.9
8	7.9	8.131	33.296	6.93		25.916	0.011	1481.	2.9
10	10.0	8.124	33.297	6.91		25.918	0.015	1481.	2.9
12	12.1	8.118	33.297	6.92		25.920	0.019	1481.	2.4
14	14.0	8.115	33.298	6.91		25.921	0.023	1481.	1.7
16	15.9	8.109	33.298	6.90		25.922	0.027	1481.	1.7
18	18.1	8.098	33.297	6.84		25.923	0.032	1481.	2.4
20	20.0	8.094	33.298	6.85		25.924	0.036	1481.	3.3
22	22.1	8.104	33.305	6.82		25.928	0.040	1481.	4.3
24	23.9	8.151	33.321	6.78		25.933	0.044	1481.	4.9
26	26.0	8.348	33.389	6.72		25.958	0.048	1482.	5.7
28	28.1	8.625	33.484	6.68		25.990	0.052	1483.	6.2
30	29.8	8.839	33.568	6.61		26.022	0.056	1484.	6.5
32	32.0	9.047	33.627	6.52		26.036	0.060	1485.	6.9
34	34.0	9.315	33.743	6.48		26.084	0.064	1486.	7.3
36	36.1	9.498	33.817	6.45		26.112	0.068	1487.	7.9
38	38.1	9.672	33.864	6.37		26.120	0.072	1488.	8.8
40	39.9	10.349	34.096	6.18		26.187	0.075	1491.	9.3
42	42.0	11.287	34.399	5.99		26.256	0.079	1494.	9.7
44	43.9	12.661	34.835	5.71		26.333	0.082	1500.	9.7
46	46.1	13.965	35.328	5.47		26.449	0.086	1505.	9.4
47	47.8	13.576	35.220	5.37		26.447	0.089	1503.	8.6
50	50.0	12.265	34.978	5.40		26.521	0.092	1499.	7.8
52	52.1	11.163	34.713	5.48		26.523	0.095	1494.	6.8
54	54.0	9.867	34.456	5.63		26.550	0.098	1490.	5.9
56	56.0	9.320	34.357	5.64		26.564	0.101	1487.	5.6
57	57.9	9.478	34.409	5.61		26.578	0.104	1488.	4.8
60	60.1	9.902	34.528	5.55		26.601	0.107	1490.	4.6
62	62.0	9.824	34.531	5.59		26.616	0.110	1490.	4.1
63	64.0	9.665	34.504	5.60		26.621	0.112	1489.	3.7
66	66.2	9.593	34.491	5.59		26.624	0.116	1489.	3.3
67	67.9	9.594	34.499	5.58		26.629	0.118	1489.	2.8
69	70.0	9.604	34.509	5.55		26.635	0.121	1489.	2.5
71	72.0	9.649	34.522	5.55		26.638	0.124	1489.	2.7
73	74.0	9.689	34.535	5.54		26.642	0.127	1489.	3.2
75	76.0	9.682	34.535	5.52		26.643	0.129	1489.	3.7
77	78.0	9.501	34.499	5.55		26.645	0.132	1489.	4.3
79	79.9	9.220	34.469	5.54		26.667	0.135	1488.	4.6
81	82.0	9.399	34.528	5.46		26.684	0.138	1488.	4.8
83	84.2	9.476	34.576	5.46		26.709	0.141	1489.	4.8
85	85.9	9.132	34.527	5.48		26.727	0.143	1488.	4.5
87	88.0	8.941	34.497	5.40		26.734	0.146	1487.	4.1
89	90.1	8.945	34.502	5.37		26.737	0.148	1487.	3.9
91	91.9	8.980	34.513	5.37		26.740	0.151	1487.	3.7
93	94.0	9.088	34.545	5.34		26.748	0.154	1488.	3.9
95	95.9	9.208	34.586	5.36		26.760	0.156	1488.	4.0
97	98.0	9.375	34.637	5.28		26.774	0.159	1489.	4.2
99	100.0	9.499	34.681	5.24		26.788	0.161	1489.	4.2

SHIP	CRUISE	STATION	DATE	EST	LATITUDE	LONGITUDE	DEPTH
OC	095	71	05 MAY 1981	15.1	40°22.3 N	67°42.9 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
102	102.3	9.537	34.716	5.29		26.809	0.164	1489.	4.2
103	103.9	9.601	34.730	5.23		26.809	0.166	1490.	4.2
104	105.3	9.673	34.756	5.17		26.817	0.168	1490.	4.2

STA 72 DAY: 5 TIME: 1524

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
1.9	8.1	71.9	9.2
2.9	8.1	72.8	9.2
4.9	7.9	74.8	9.2
5.8	7.8	77.7	9.2
8.8	7.7	79.6	9.2
10.7	7.5	82.5	9.2
13.6	7.1	84.4	9.2
12.7	6.8	86.4	9.2
13.6	6.6	90.2	9.1
15.6	6.7	92.1	9.1
16.6	6.8	95.0	9.1
17.5	6.7	99.9	9.1
17.5	7.3	101.8	9.1
19.5	7.9	105.6	9.1
22.4	8.3	108.5	9.1
23.4	9.1		
23.4	9.6		
24.3	10.6		
24.3	11.3		
25.3	11.5		
26.3	11.9		
26.3	12.2		
26.3	12.5		
26.3	12.7		
26.3	13.1		
27.3	13.2		
29.2	13.0		
29.2	12.8		
31.1	12.5		
32.1	12.3		
33.1	12.1		
35.0	12.0		
37.9	12.0		
39.9	11.8		
42.8	11.7		
44.7	11.7		
47.6	11.6		
49.6	11.4		
50.6	11.2		
51.5	11.0		
54.4	10.9		
57.3	10.8		
59.3	10.6		
59.3	10.5		
61.2	10.4		
63.1	10.1		
64.1	9.9		
66.0	9.5		
67.0	9.3		
69.9	9.1		

STA 73 DAY: 5 TIME: 1530

DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)	DEPTH (m)	TEMP (°C)
0.0	8.2	56.4	9.2	116.2	9.1
0.0	8.0	56.4	9.5	119.1	9.1
0.0	7.8	56.4	9.7	122.0	9.1
1.0	7.6	56.4	9.9	123.9	9.1
1.0	7.5	57.3	10.1	125.9	9.1
1.9	7.3	57.3	10.3	128.7	9.1
2.9	7.1	58.3	10.5	130.7	9.1
3.9	6.9	58.3	10.7	132.6	9.1
5.8	6.9	58.3	11.0	134.5	9.1
7.8	6.9	58.3	11.1	134.5	9.2
9.7	6.8	59.3	11.3		
11.7	6.8	60.2	11.6		
12.7	6.7	60.2	11.5		
14.6	6.6	60.2	11.5		
15.6	6.5	61.2	11.4		
16.6	6.5	62.2	11.2		
17.5	6.4	63.1	11.1		
19.5	6.4	65.1	11.1		
19.5	6.3	67.0	11.1		
21.4	6.2	69.9	11.1		
23.4	6.2	70.9	11.0		
25.3	6.2	72.8	11.0		
27.3	6.2	72.8	10.8		
27.3	6.3	72.8	10.7		
29.2	6.4	72.8	10.6		
31.1	6.4	73.8	10.5		
34.1	6.4	75.7	10.4		
36.0	6.4	76.7	10.3		
37.9	6.4	77.7	10.2		
40.9	6.4	77.7	10.1		
42.8	6.4	78.6	10.0		
43.8	6.5	79.6	9.9		
44.7	6.6	79.6	9.7		
44.7	6.7	80.6	9.5		
45.7	6.9	81.5	9.4		
45.7	7.1	82.5	9.3		
46.7	7.2	83.5	9.2		
47.6	7.3	83.5	9.1		
48.6	7.4	85.4	9.1		
49.6	7.6	87.3	9.0		
49.6	7.7	89.2	9.0		
49.6	7.9	93.1	9.0		
50.6	8.0	95.0	9.0		
51.5	8.1	97.9	9.0		
52.5	8.3	100.8	9.0		
52.5	8.4	103.7	9.0		
54.4	8.6	106.6	9.0		
54.4	8.7	109.5	9.0		
55.4	8.9	111.4	9.0		
56.4	9.0	115.3	9.0		

Appendix II

Manufacturers' specifications for instruments used on R/V OCEANUS Cruise 95. 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.