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SHELF EDGE EXCHANGE PROCESSES — II
SEEP2-06, R/V ENDEAVOR CRUISE 186

HYDROGRAPHIC DATA REPORT

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R.J. Wilke, and K.D. Wyman

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INTRODUCTION

The Shelf Edge Exchange Processes (SEEP) program sponsored by the United States Department of Energy is a multi-institutional effort designed to investigate the flux of suspended material from the continental shelf to the waters of the upper slope, and then possibly into the slope sediments. Phase I of SEEP consisted of a series of nine cruises and a mooring array across the outer continental shelf of New England during 1983 - 1984 (Behrens and Flagg, 1986). Phase II focused specifically on the shelf/slope frontal region of the mid-Atlantic bight off the Delmarva Peninsula. This project consisted of a series of ten cruises, a mooring array, and a series of over-flights by NASA aircraft. Hydrographic data were collected on eight of the cruises, six of which were primarily mooring deployment or recovery cruises. The cruises were consecutively designated SEEP2-01 to SEEP2-10. Two cruises (SEEP2-04 and SEEP2-07) were dedicated to investigating benthic processes and hydrographic data were not collected.

The R/V ENDEAVOR cruise 186, SEEP2-06, took place from 17 - 21 October 1988 and recovered ten moorings along two cross-shelf lines (referred to as the North and South lines) across the outer continental shelf. During this cruise 28 CTD casts were made measuring pressure, temperature, conductivity, dissolved oxygen, fluorescence and light transmission. Discrete samples were taken in rosette-mounted Niskin bottles and analyzed for concentration of nutrients, chlorophyll a, dissolved oxygen, and particulate organic

carbon and nitrogen. Figure 1 shows the location of the moorings and hydrographic stations. Station positions, sample times and water depths are given in Table 1. Mooring positions and depths are given in Table 2. The chief scientist for this cruise was P. Biscaye (Lamont-Doherty Geological Observatory).

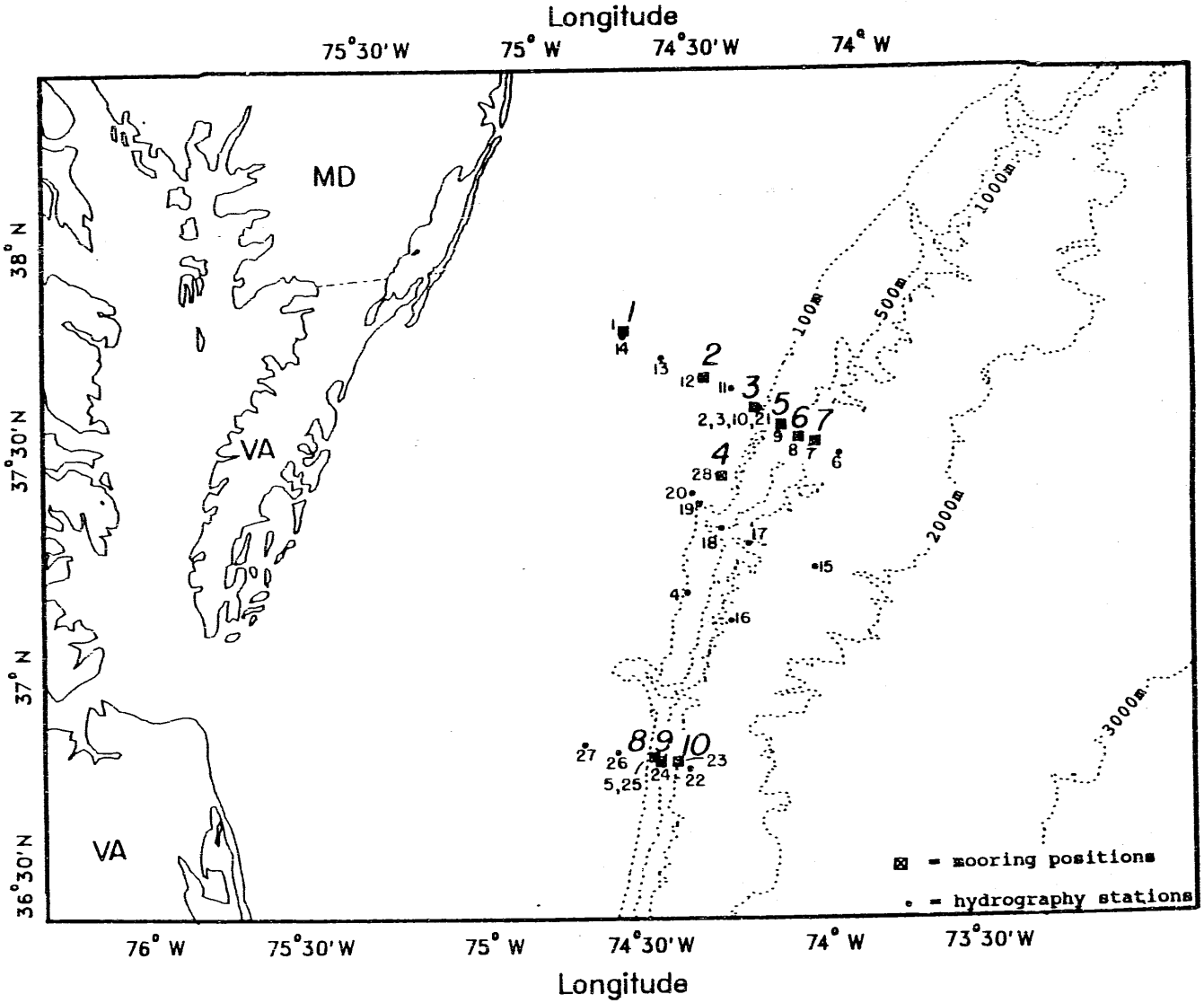

Figure 1. Station map

TABLE 1

Station List

STATION	TRANSECT	MOORING NUMBER	DATE GMT	TIME GMT	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	SONIC DEPTH	BOTTOM TRIP
1		1	Oct 17, 88	11:32	37	53.03	74	43.94	42	******
2		3	Oct 17, 88	22:41	37	41.91	74	19.90	91	******
3		3	Oct 18, 88	04:22	37	41.99	74	19.47	95	******
4			Oct 18, 88	07:40	37	15.96	74	32.84	108	******
5		8	Oct 18, 88	12:03	36	53.03	74	38.62	190	******
6	1		Oct 18, 88	23:01	37	35.47	74	5.34	1325	******
7	1	7	Oct 19, 88	01:43	37	37.08	74	9.67	1080	******
8	1	6	Oct 19, 88	03:28	37	37.87	74	12.80	430	******
9	1	5	Oct 19, 88	04:54	37	39.64	74	15.81	129	127
10	1	3	Oct 19, 88	06:02	37	41.85	74	20.51	88	86
11	1		Oct 19, 88	07:45	37	44.69	74	24.53	66	64
12	1	2	Oct 19, 88	08:49	37	46.27	74	30.03	59	57
13	1		Oct 19, 88	10:27	37	49.00	74	37.14	51	49
14	1	1	Oct 19, 88	12:07	37	51.94	74	44.05	41	39
15	2		Oct 19, 88	23:40	37	19.38	74	10.06	1700	******
16			Oct 20, 88	02:28	37	12.00	74	25.05	1204	1202
17	2		Oct 20, 88	05:12	37	22.84	74	21.73	1059	1057
18	2		Oct 20, 88	07:08	37	24.98	74	26.63	715	713
19	2		Oct 20, 88	08:44	37	28.39	74	30.54	200	198
20	2		Oct 20, 88	09:44	37	30.00	74	31.73	68	66
21		3	Oct 20, 88	12:01	37	42.20	74	20.13	90	******
22	3		Oct 21, 88	01:34	36	51.19	74	32.67	1446	1444
23	3	10	Oct 21, 88	03:10	36	52.07	74	34.42	1015	1013
24	3	9	Oct 21, 88	04:34	36	52.09	74	37.61	423	421
25	3	8	Oct 21, 88	05:36	36	52.58	74	39.09	126	124
26	3		Oct 21, 88	06:32	36	53.52	74	45.42	76	74
27	3		Oct 21, 88	07:20	36	54.62	74	51.33	54	52
28		4	Oct 21, 88	12:04	37	32.71	74	27.13	83	81

TABLE 2

SEEP2-06 Mooring Positions

Mooring	Latitude N	Longitude W	Depth (m)
1	37 52.49	74 43.90	42
2	37 46.11	74 29.50	60
3	37 41.98	74 20.37	90
4	37 32.38	74 26.74	90
5	37 39.78	74 15.72	132
6	37 37.90	74 12.87	400
7	37 37.18	74 09.86	998
8	36 52.64	74 39.00	133
9	36 52.08	74 37.68	417
10	36 52.16	74 34.46	1011

The following symbols are used on the maps:

⊠ = mooring positions

• = hydrography stations

METHODS

Instrumentation

Hydrographic data were collected using a Neil Brown Instrument Systems Mark IIIB CTD underwater unit with a model 1150 deck data terminal. A shallow water, 0-1600 m, pressure sensor was used on all cruises. The CTD was equipped with a Beckman oxygen sensor and interfaced with a Sea Tech fluorometer, and a 25 cm. path length Sea Tech transmissometer. The fluorometer was set with a 1.0 second time constant and on the 3X scale. With this setup the full scale voltage of 5 volts corresponds to a chlorophyll a concentration of approximately 10 ug/liter. The time constant for the transmissometer was 0.1 second. The output signal from both the fluorometer and transmissometer was 0-5 volts DC.

All underwater instrumentation was mounted on a General Oceanics rosette multi-bottle sampler, model 1015-12, with a C1015-DC deck command module. The rosette was equipped with 5, 12 or 30 liter Niskin bottles and a mechanically triggered bottom-trip switch. The bottom-trip switch was triggered when a weight suspended from a lanyard beneath the rosette contacted the bottom. A 5 liter Niskin bottle was also closed by the same mechanism to collect a near bottom water sample. The bottom-trip switch signal was included in the data string transmitted to the ship and recorded with the CTD data. This provided the exact pressure at the time bottom contact was made.

A Kennedy, model 9832, 9-track magnetic tape unit recorded all CTD data from the 1150 deck terminal. Real-time graphical output was also available on a MicroVAX computer connected to the CTD deck unit via a RS-232 interface. A hard copy of these data were available

immediately after the cast.

Signal Processing

The CTD underwater unit transmitted data to the 1150 deck unit at a rate of 16 scans per second. Each data scan consisted of a counter and 7 channels of data for pressure, temperature, conductivity, oxygen sensor current, oxygen sensor temperature, fluorometer signal and transmissometer signal. Down casts were processed by accepting only scans with increasing pressure, so that scans with decreasing pressure due to the roll of the ship were rejected. A gradient check was also applied to reject spikes in the data. The absolute value of the second derivative for pressure, temperature and conductivity was measured and gradient limits were set to reject extreme deviations. These limits were more lenient near the surface than below 50 dbar. The time rate of change of temperature over a 3 scan interval and oxygen current over a 240 scan interval (approximately 15 dbar) were calculated for later use in calibration algorithms. Scans were then binned and one meter averages calculated.

Calibration

The CTD pressure, temperature and conductivity sensor signals were calibrated by the manufacturer in January and August, 1988 and February, 1989. The practical salinity scale 1978 (Fofonoff and Millard, 1983) was used to calculate salinity from conductivity, temperature and pressure.

The Beckman oxygen sensor was calibrated after the method of Owens and Millard (1985) using Niskin bottle samples analyzed by the modified-Winkler titration method of Carpenter (1965). Niskin bottle

samples were taken from the up casts when the CTD winch was stopped. All CTD data used for calibration were from the corresponding down cast so that water circulation around the sensor was not interrupted. CTD temperature, pressure, conductivity, oxygen sensor current (Oc), dOc/dt, oxygen sensor temperature and titrated oxygen values were used to calculate the calibration coefficients using a quasi-Newtonian minimization routine from the IMSL computing library. The coefficients for oxygen current slope (S_{oc}), time constant (Tau), oxygen current bias (B_{oc}), and weighting factor (W_T) are given in Table 3. This method accounts for the effects of temperature and pressure on the permeability of the sensor membrane, and includes a time lag correction, and an oxygen current bias. Dissolved oxygen concentrations are expressed in units of umole/liter and oxygen saturation values are calculated after the method of Benson and Krause (1984).

The fluorometer output is reported in units of volts because the conversion from in vivo fluorescence to chlorophyll a concentration is not well defined. A particular concern is that quenching effects result in an underestimation of the chlorophyll a concentrations in surface waters exposed to sunlight (Falkowski et. al., 1986). Unless taken into account, this would introduce a diurnal bias into the data.

TABLE 3.
SEEP2 Oxygen Calibration

Cruise	S_{oc}	Tau	B_{oc}	W_T	RMS Error[1]	n
SEEP2-01	2.576	6.964	0.133	0.908	11.597	74
SEEP2-02	2.946	5.660	0.019	0.374	4.895	246
SEEP2-03	3.334	16.610	-0.017	0.673	9.759	43
SEEP2-05	2.725	6.318	0.018	0.688	5.201	150
SEEP2-06	2.601	2.699	0.068	0.877	4.817	79
SEEP2-08	3.032	5.224	-0.056	0.351	4.600	122
SEEP2-09	2.445	2.359	0.174	1.300	8.597	208
SEEP2-10	2.858	8.113	0.051	0.809	5.854	357

$$OX = \left[S_{oc} \cdot \left(Oc + \tau \frac{dOc}{dt}\right) + B_{oc}\right] \cdot OXSAT(T,S) \cdot e^{[tcor \cdot (T + W_T \cdot (T_o - T)) + pcor \cdot p]}$$

where:

OX = CTD dissolved oxygen, µmole/ℓ
S_{oc} = oxygen current slope
Oc = CTD oxygen current, µamps
B_{oc} = oxygen current bias, µamps
$OXSAT(T,S)$ = oxygen saturation value, µmole/ℓ
T = CTD water temperature, °C
S = CTD salinity, psu
p = CTD pressure, dBars
τ = time constant (Tau), sec
T_o = CTD oxygen sensor temperature, °C
W_T = weighting factor
$tcor$ = temperature factor for membrane permeability = -0.0305
$pcor$ = pressure correction factor for membrane permeability = 0.0001438
n = number of data points

[1] RMS error = $\left(\frac{\Sigma(O_{titrated} - OX)^2}{n-1}\right)^{1/2}$

Nutrients

Subsamples of 60 ml were drawn from the Niskin bottles on the rosette within 10 minutes following a cast for nutrient analyses. Phosphate, silicate, nitrate, nitrite, and ammonium were measured using automated, continuous-flow colorometers whose data were acquired, and whose control was managed by a computer. The procedures of Whitledge et. al. (1981) were followed as they apply to a Technicon Autoanalyzer II which had been modified with small-volume glassware to optimize stability and sensitivity. The analytical methods of Murphy and Riley (1962) were followed for reactive phosphorous, and Armstrong et. al. (1967) for silicate and nitrate. Ammonium was measured by the phenolhypochlorite method of Koroleff (1970) as adapted to the Autoanalyzer by Slawyk and MacIsaac (1972) and modified by Patton and Crouch (1977).

The analytical accuracy was determined by measuring the absorbance of known concentrations of each analyte (standards) at least once every 12 hours. These were regressed on concentrations using a least squares method, from which updated calibration factors were derived. The standards of highest concentration were also included among each set of samples to monitor analytical stability (Whitledge et. al., 1981).

Nutrient concentrations were corrected for small levels of baseline water contamination by taking the most negative observed absorbance and setting it to zero. All absorbances were adjusted by an amount equivalent to a concentration change of less than 0.2 umole/liter.

A few negative concentrations remain in the database due to variability in the refractive index correction, or from the subtraction of NO_2 from NO_3+NO_2.

Chlorophyll a

Discrete concentrations were estimated fluorometrically aboard ship from samples at each station. Glass-fiber filters (Whatman GF/F) retaining phytoplankton from 140 or 280 ml subsamples were ground in 90% acetone (MCB Omnisolve) and the fluorescent emission of a vacuum-clarified extract measured before and after acidification with 1-2 drops of 1.0 N HCl (Yentsch and Menzel, 1963).

The fluorometer (Turner Designs Mod. 10-004R) was calibrated using serial dilutions of a pure chlorophyll a standard derived from laboratory cultures of spinach (Perkins and Roberts, 1962). The concentration of the standard was measured spectrophotometrically using an extinction coefficient of 87.67 l/g-cm at 664 nm. The fluorescence of each dilution (90% acetone) was read before (R_o) and after (R_a) acidification (10% HCl) on at least two sensitivity ranges. Calibration factors for all dilutions were computed by:

$$F = \frac{\text{ug chl a / ml}}{T\ (R_o - R_a)\ /\ (T-1)}$$

where F is the calibration factor for each dilution and T is the maximum ratio of R_o/R_a. The mean F determination was accepted as the calibration factor and any significant variations among the serial factors over the selected ranges were compensated by internal adjustments in the fluorometer.

Particulate organic Carbon and Nitrogen

Samples for particulate carbon and nitrogen analysis were collected in 250 ml or 500 ml bottles, filtered onto 13 mm or 25 mm precombusted glass fiber filters (Gelman type A/E), and frozen for subsequent laboratory analysis using a Perkin Elmer 240B Elemental analyzer.

Data Management

All CTD, Niskin bottle, station, and calibration data were entered into a Scientific Information Retrieval (SIR) database management system on a VAXstation 3200 at Brookhaven National Laboratory. Station data include cruise, station number, date (GMT), time (GMT), latitude (N), longitude (W), bottom depth (m), and bottom-trip depth (m). Associated CTD data are pressure (dbar), temperature (C), salinity (PSS-78), sigma-t, dissolved oxygen (umole/l), oxygen saturation (umole/l), dynamic height (cm), Brunt-Vaisala frequency (cycles/hr), fluorescence (0-5 volts DC), and beam attenuation coefficient (1/m). Niskin bottle data include nutrients (umole/l), chlorophyll a (ug/l), phaeophytin (ug/l), dissolved oxygen (umole/l), C-14 uptake (ug/l/hr), POC (ug/l), PON (ug/l), Freon-11 and 12 (pmole/l), and Freon 11 and 12 saturation (pmole/l). Productivity and Freon data are not presented in this data report.

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TEMPERATURE-SALINITY DIAGRAM

Isopleths of sigma-t are drawn with the values given on the right margin. The following symbols are used to indicate the depth from which samples were taken:

○ = 0 - 50 dbar

● = 51 - 100 dbar

□ = 101 - 200 dbar

■ = 201 - 2000 dbar

△ = 2001 - 3000 dbar

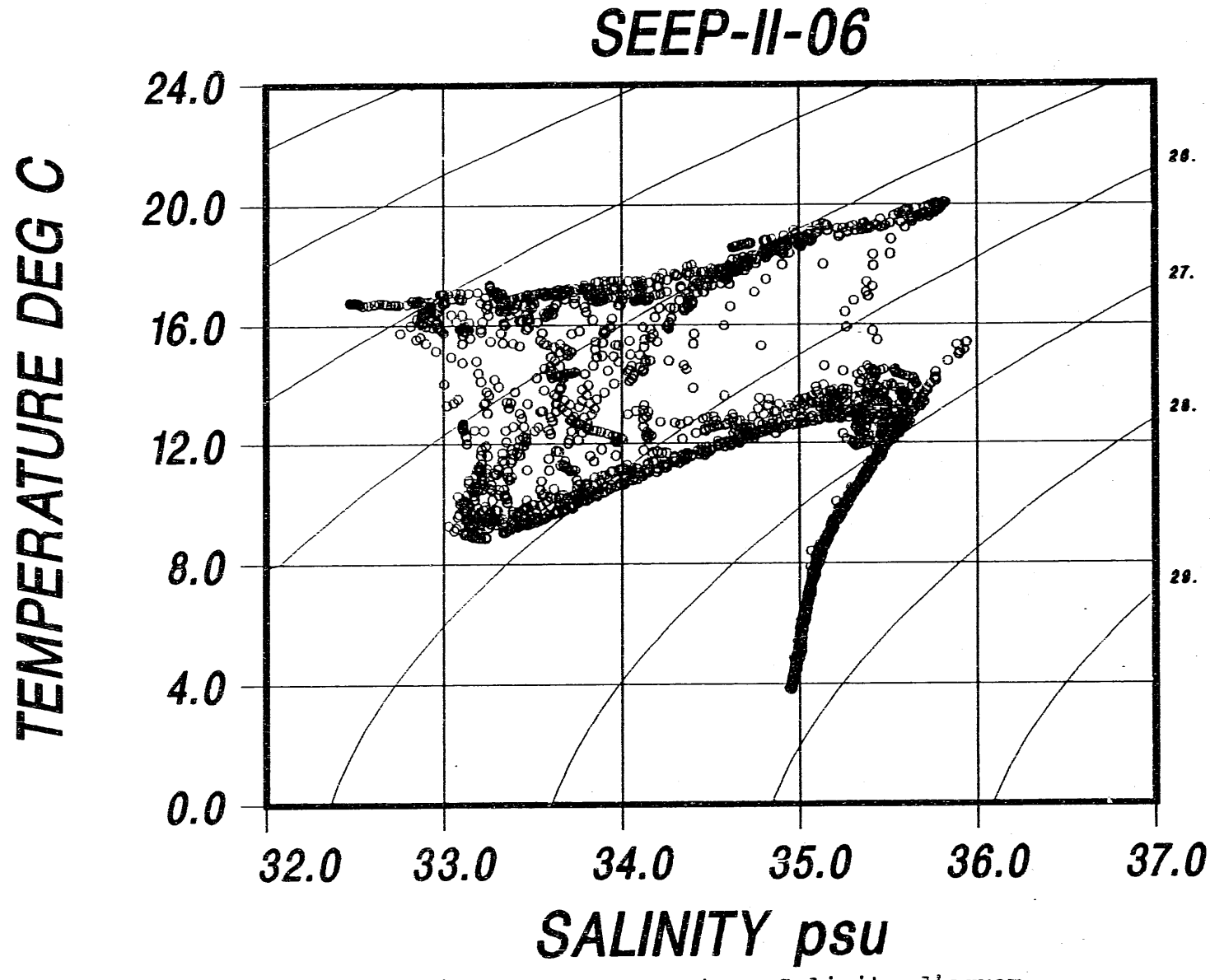


Figure 2. Temperature-Salinity diagram

CONTOURED CROSS-SECTIONS

Transect numbers are given following the cruise label. Station numbers are shown along the top margin. The "C" or "B" beneath the station number denotes whether data are from a CTD cast, or from Niskin bottle samples. The greatest sample depth for each station on the CTD contours is marked with a filled circle. All of the sample depths for the bottle values are marked with a filled circle. Surface values are listed along the top margin if found within 6 dbars of the surface. CTD contours are done for the top 200 meters and for the top 1000 meters for the canyon transect. The only Niskin bottle data available for contoured sections is in the top 100 meters. Niskin bottle data are not available for transect 3. The following contour intervals are used for each variable:

Temperature	1.0 deg C
Salinity	0.2 psu
Sigma-t	0.2
Dissolved Oxygen	10.0 umole/l
Oxygen Saturation	5.0 %
Fluorescence	0.2 volts
Attenuation coeff.	0.05 m^{-1}
Phosphate	0.2 umole/l
Silicate	2.0 umole/l
Nitrate	2.0 umole/l
Nitrite	0.05 umole/l
Ammonium	0.1 umole/l
Chlorophyll	0.5 ug/l

SEEP2-06 Transect 1

North Line

CONTOURED CROSS-SECTIONS

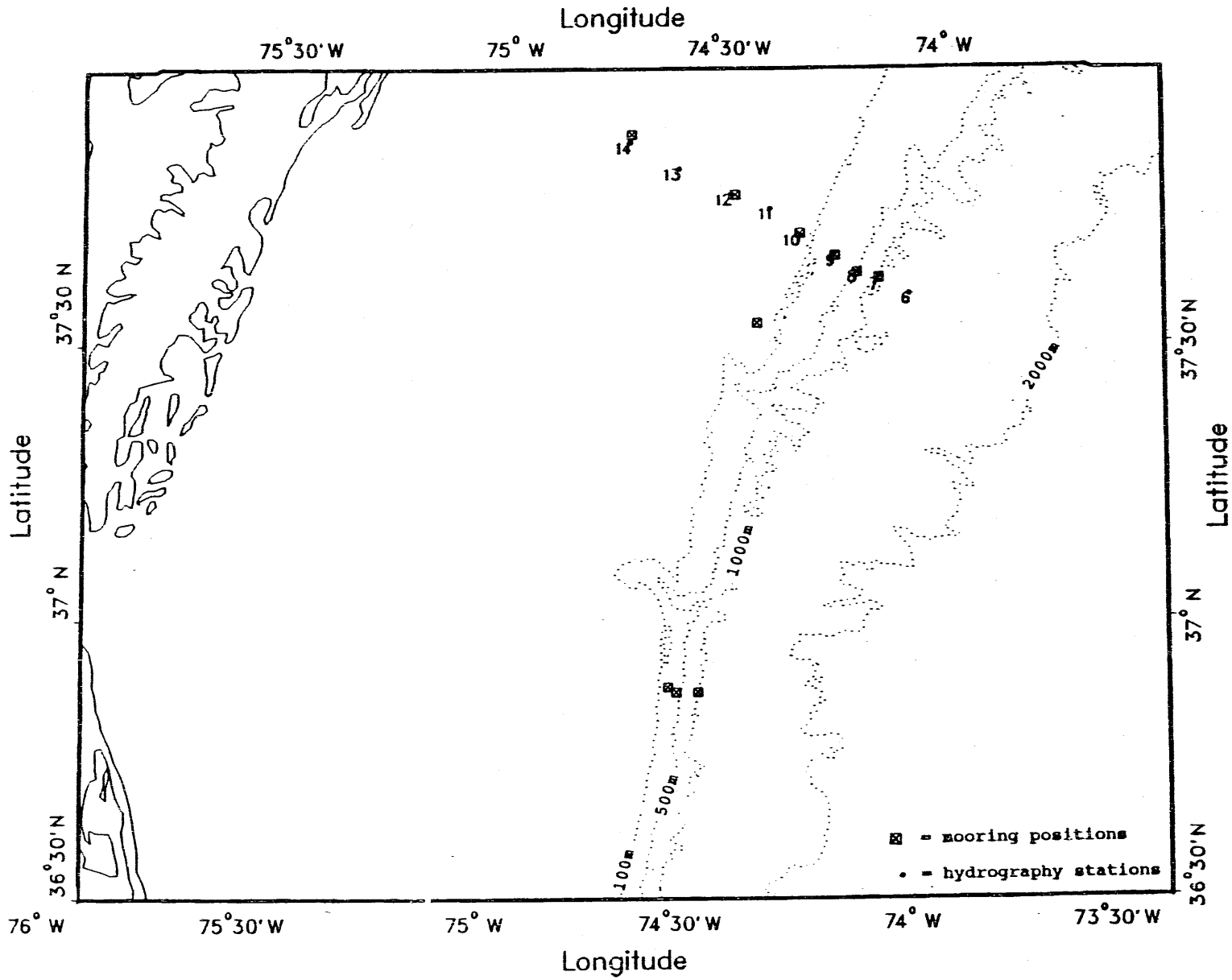
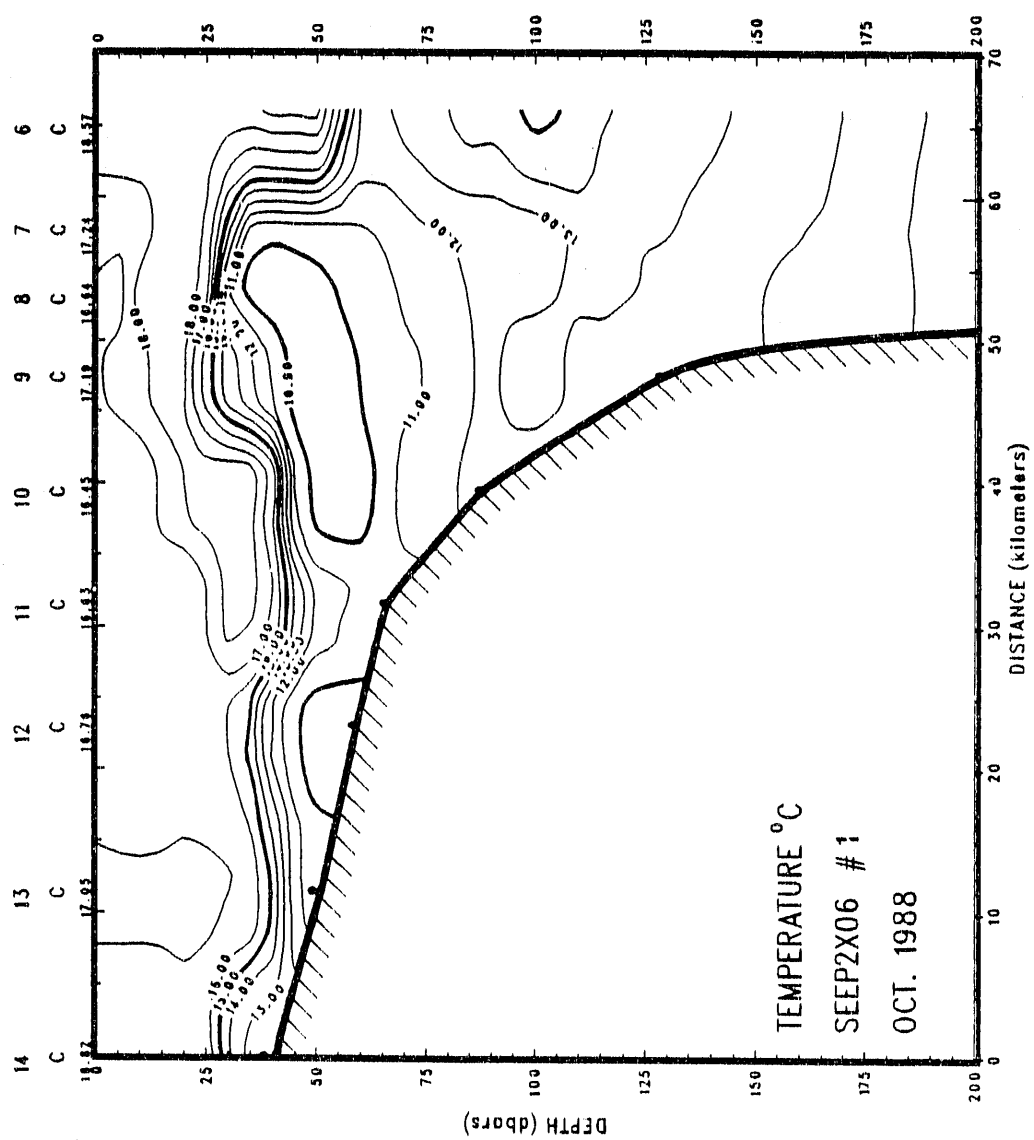


Figure 3. North line (Transect 1) map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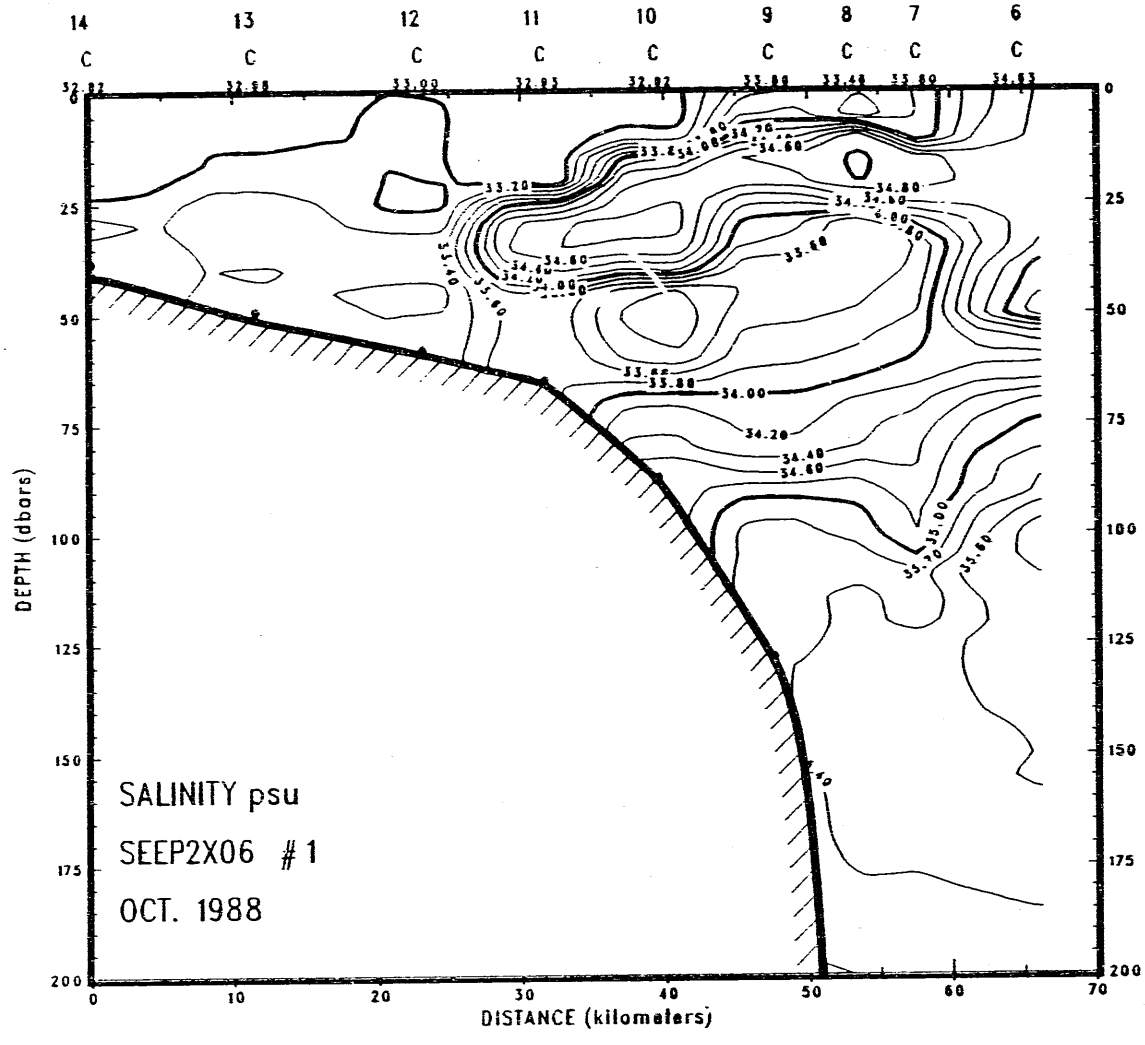
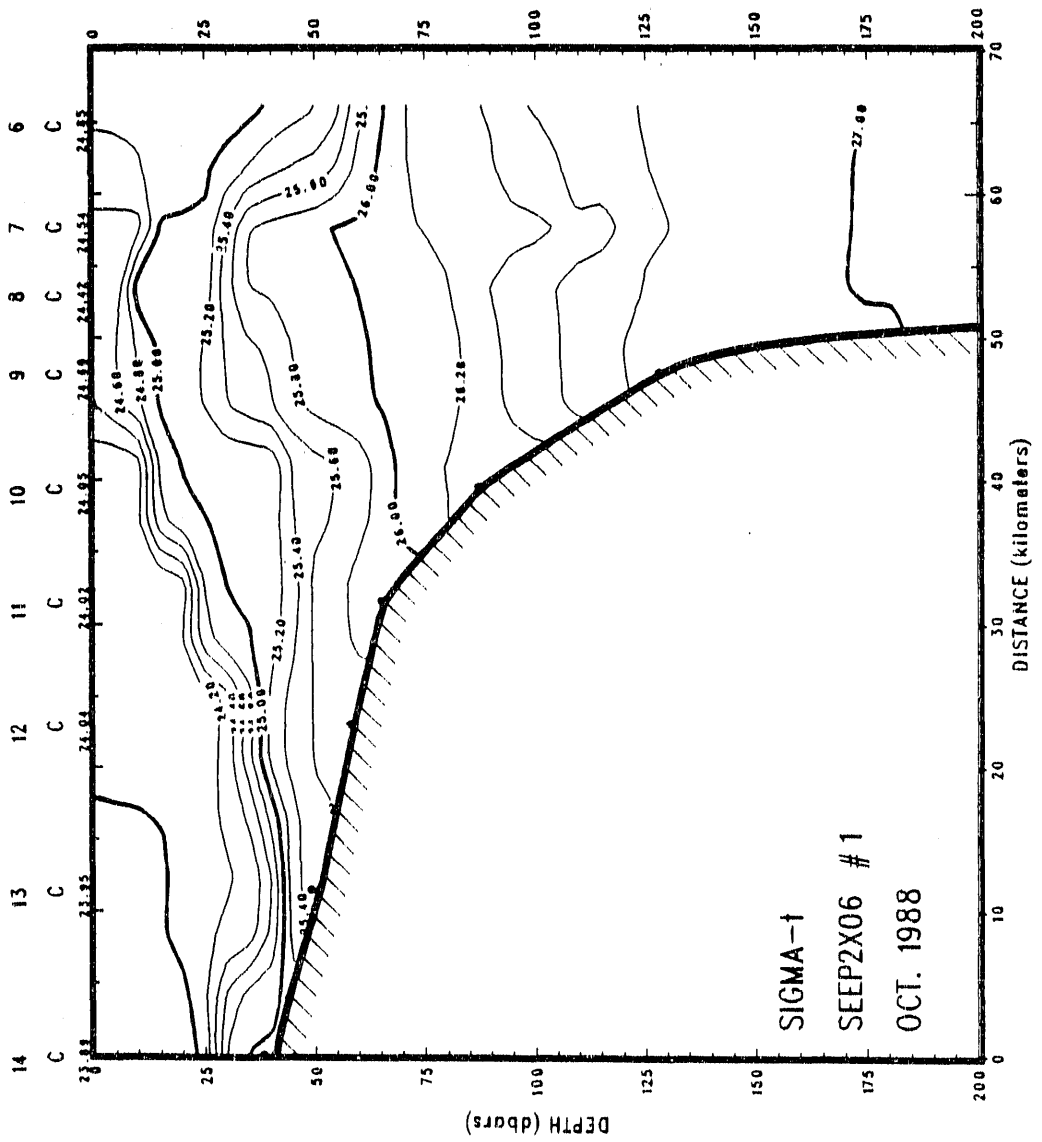
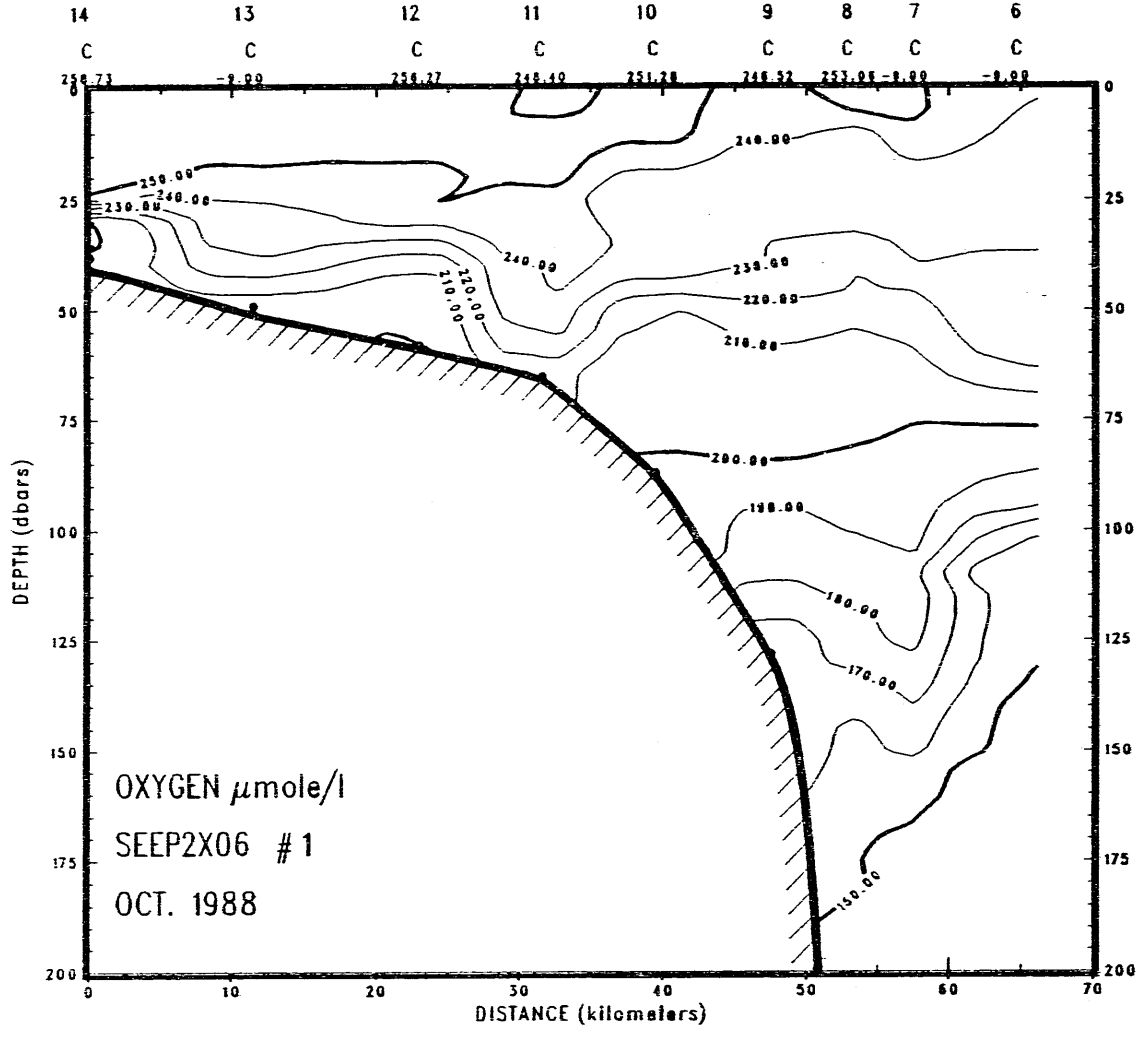
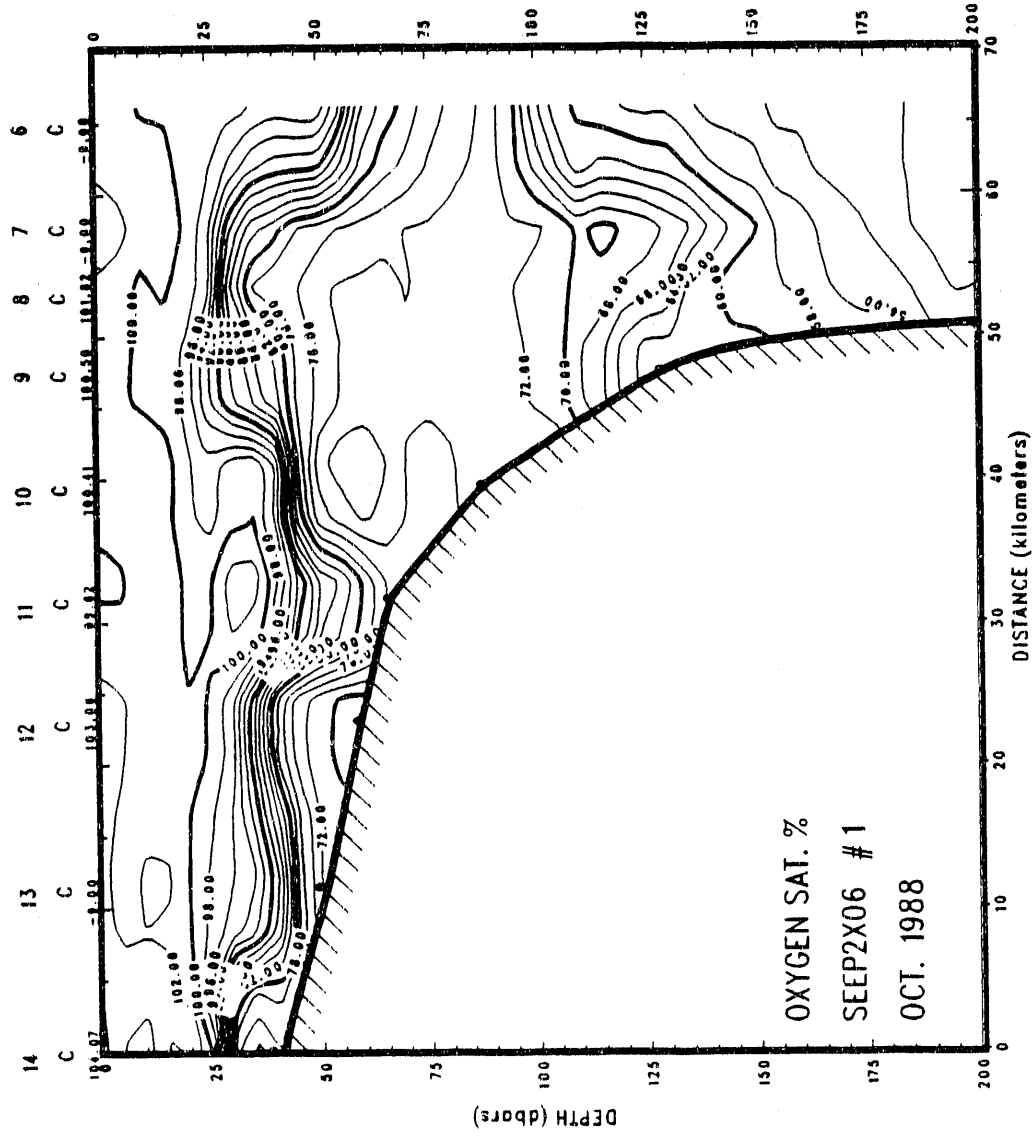
SEEP2X06 # 1
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)


14 C
13 C
12 C
11 C
10 C
9 C
8 C
7 C
6 C
DEPTH (dbars)
DISTANCE (kilometers)
SALINITY psu
SEEP2X06 #1
OCT. 1988


SIGMA-t
SEEP2X06 #1
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)


14 13 12 11 10 9 8 7 6
C C C C C C C C C
-9.00 -9.00 -9.00
250.00
240.00
230.00
220.00
210.00
200.00
190.00
180.00
170.00
160.00
DEPTH (dbars)
DISTANCE (kilometers)
OXYGEN μmole/l
SEEP2X06 #1
OCT. 1988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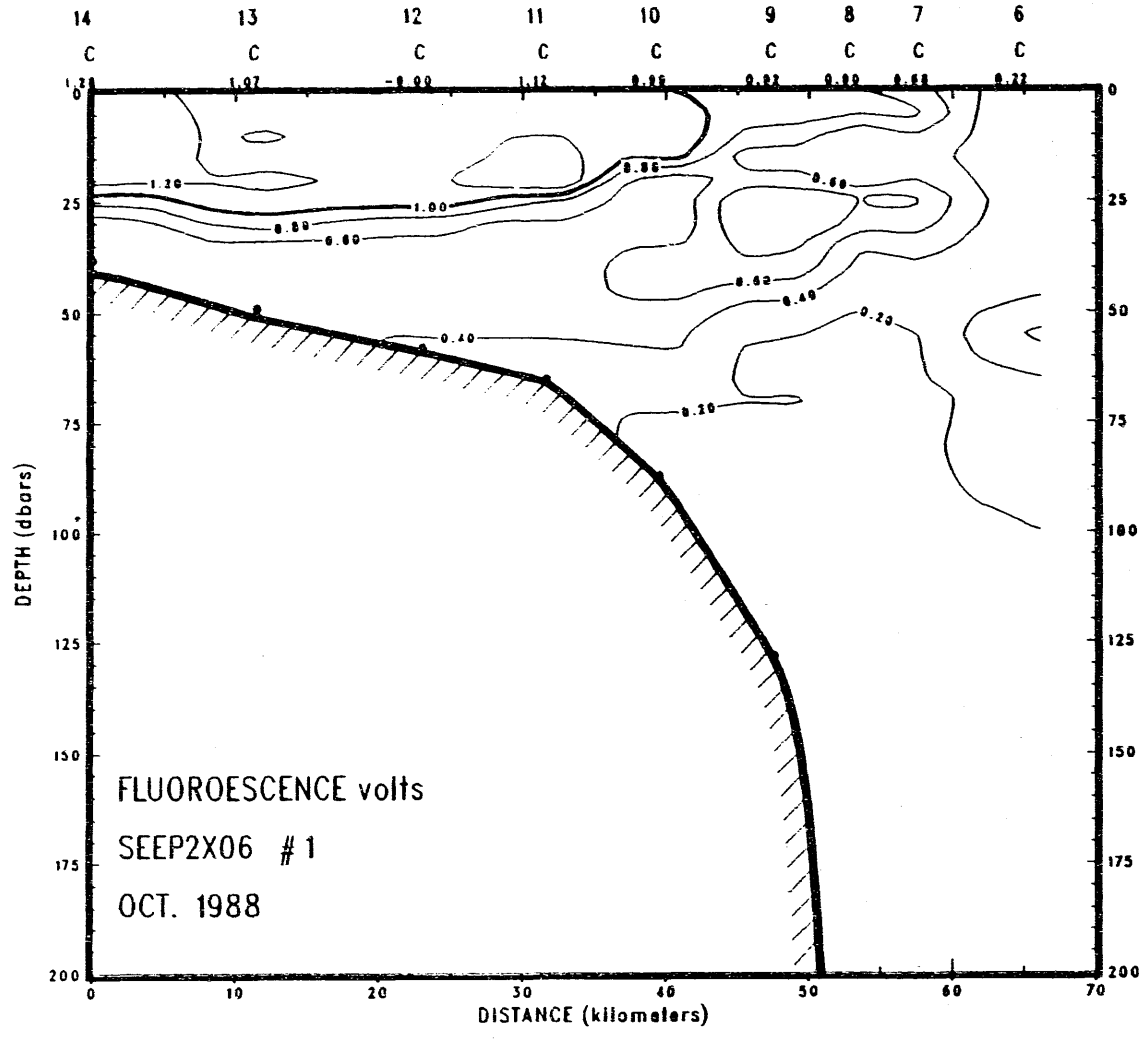
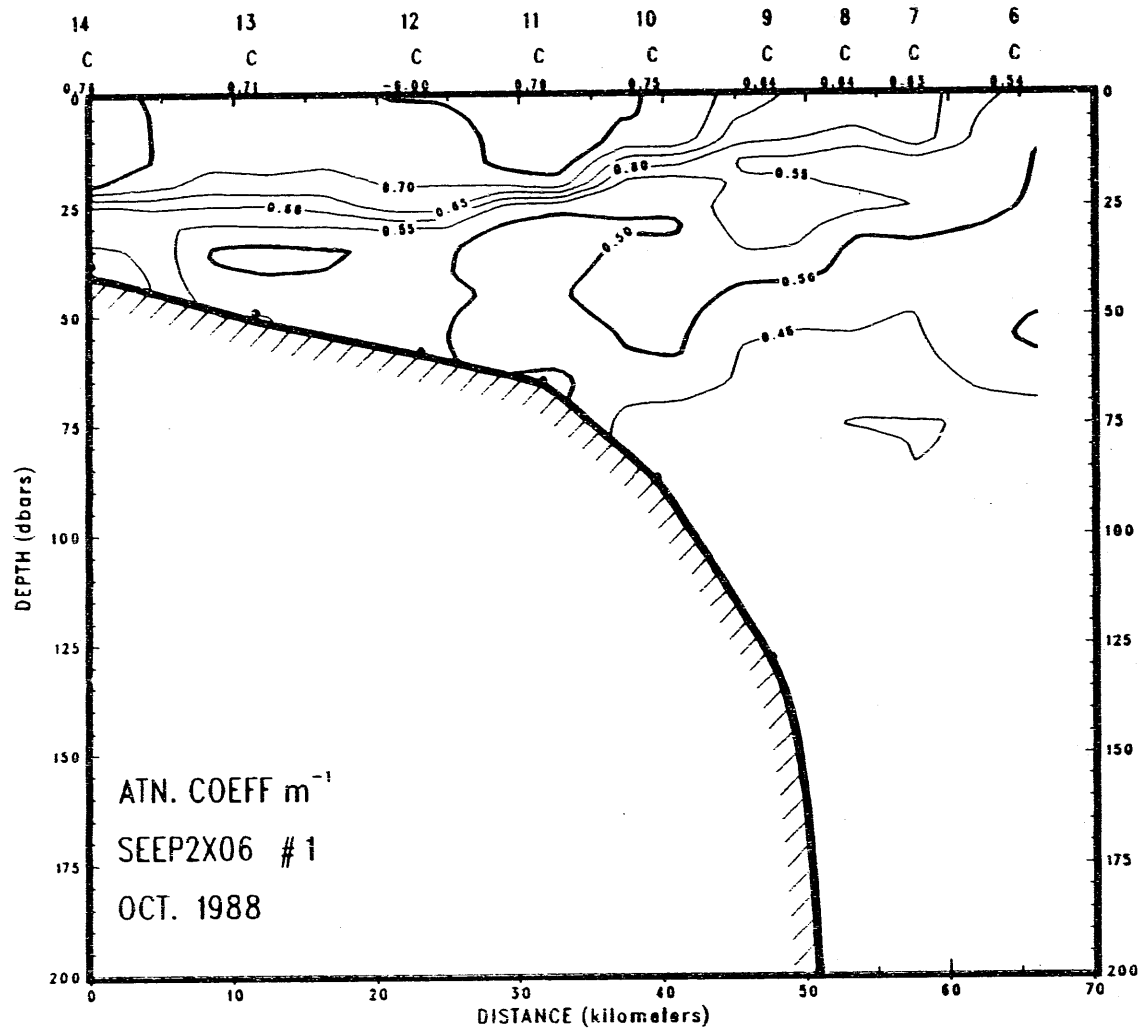
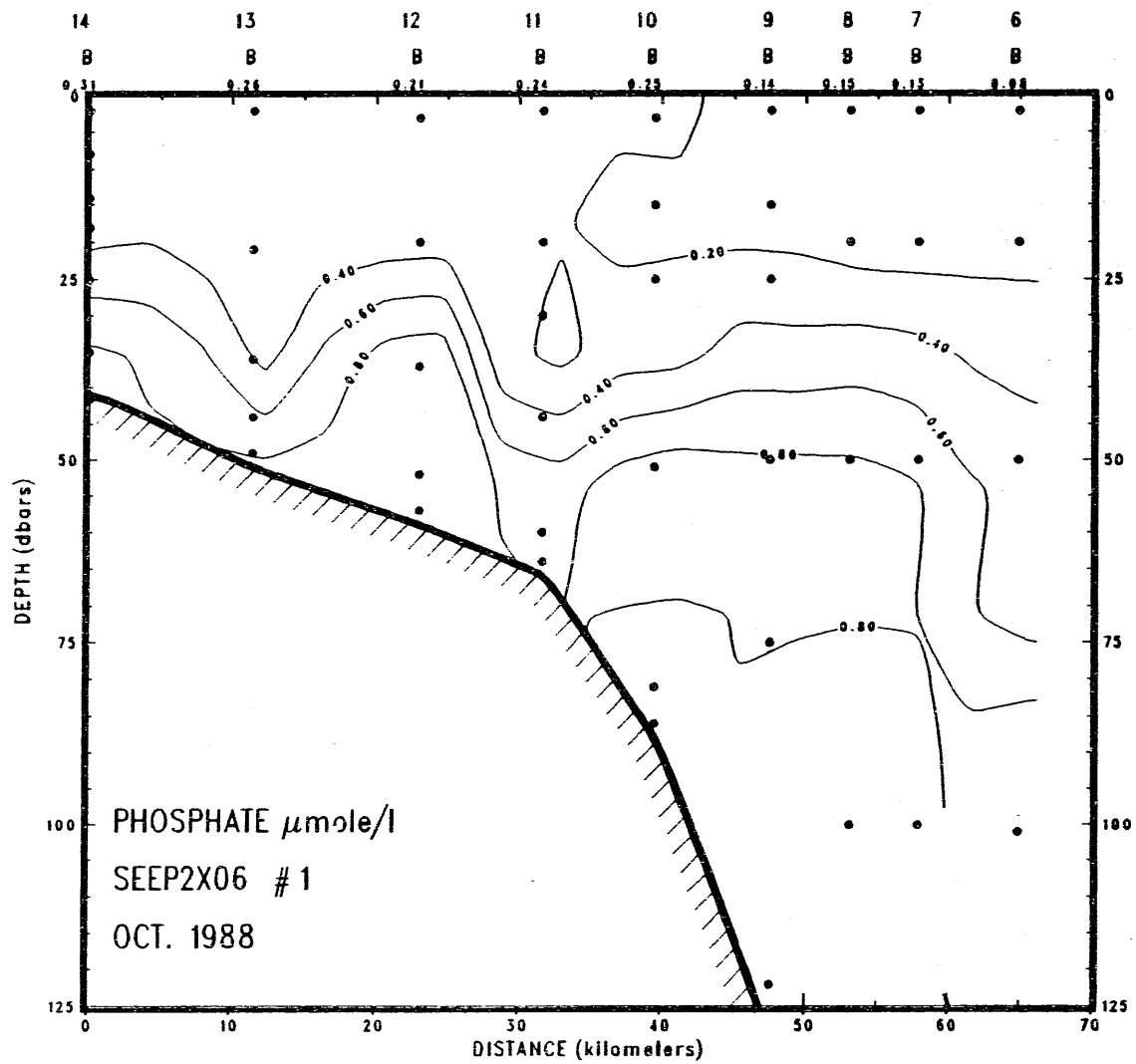
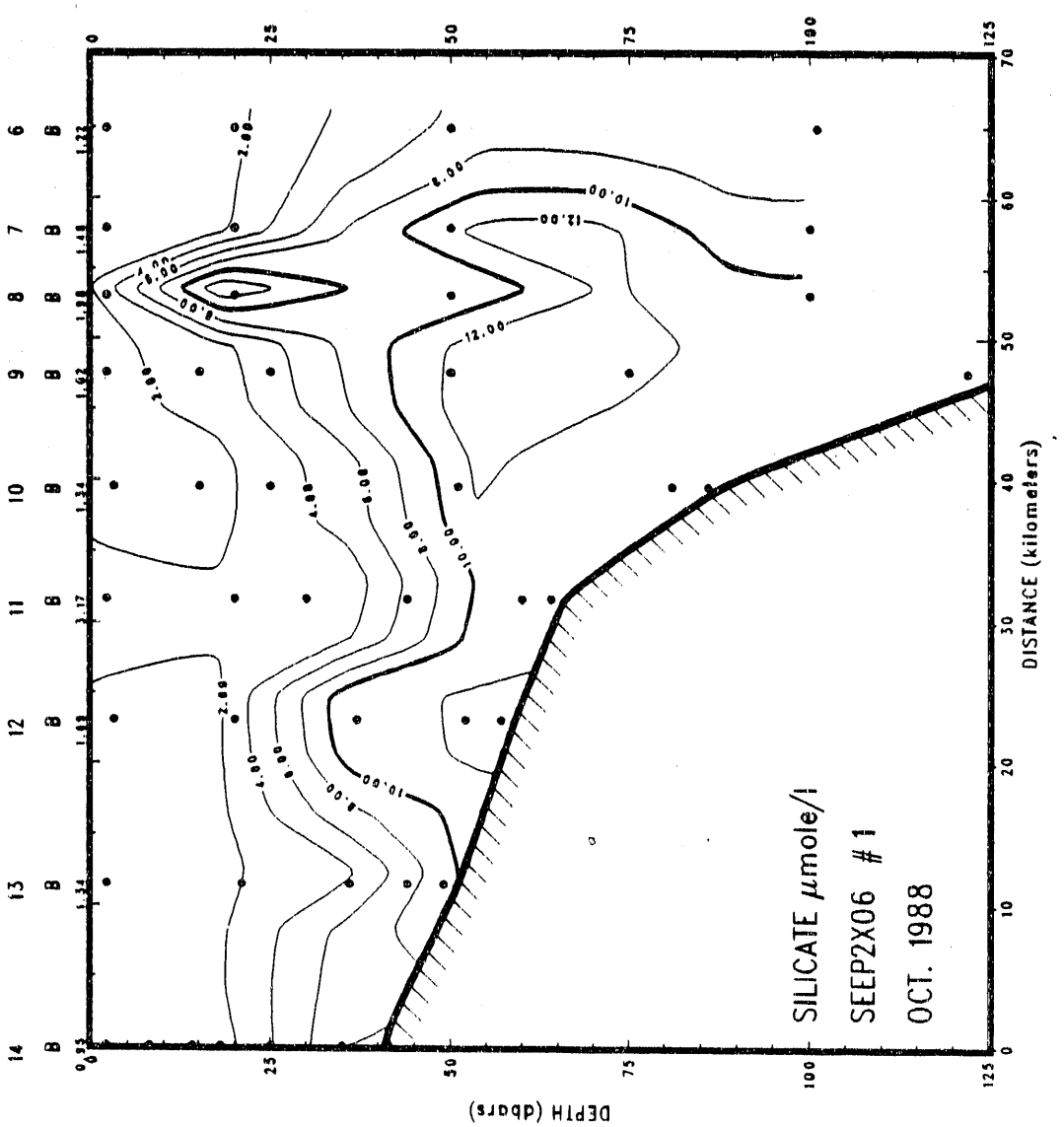
SEEP2X06 #1
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)


14 C
13 C
12 C
11 C
10 C
9 C
8 C
7 C
6 C
1.20
1.00
0.80
0.60
0.40
0.20
DEPTH (dbars)
DISTANCE (kilometers)
FLUOROESCENCE volts
SEEP2X06 #1
OCT. 1988


14 C
13 C
12 C
11 C
10 C
9 C
8 C
7 C
6 C
0.70
0.65
0.60
0.55
0.50
0.45
0.58
DEPTH (dbars)
0
25
50
75
100
125
150
175
200
ATN. COEFF m^{-1}
SEEP2X06 # 1
OCT. 1988
0
10
20
30
40
50
60
70
DISTANCE (kilometers)


14 13 12 11 10 9 8 7 6
B B B B B B B B B
0.31 0.26 0.21 0.24 0.25 0.14 0.15 0.15 0.08
0.20
0.40
0.60
0.80
0.40
0.60
0.40
0.60
0.80
0.80
PHOSPHATE μmole/l
SEEP2X06 # 1
OCT. 1988
DEPTH (dbars)
0
25
50
75
100
125
0
10
20
30
40
50
60
70
DISTANCE (kilometers)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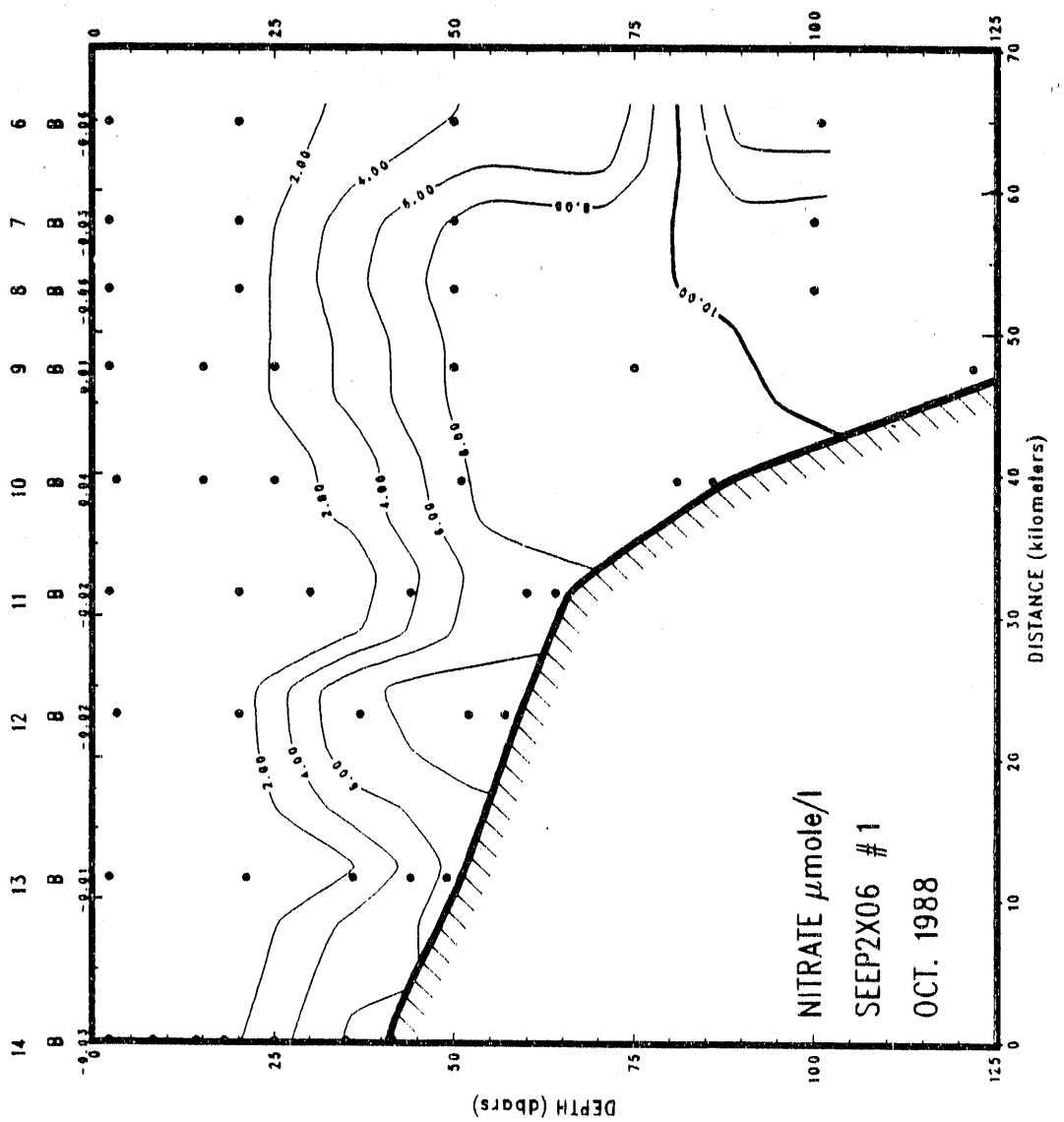
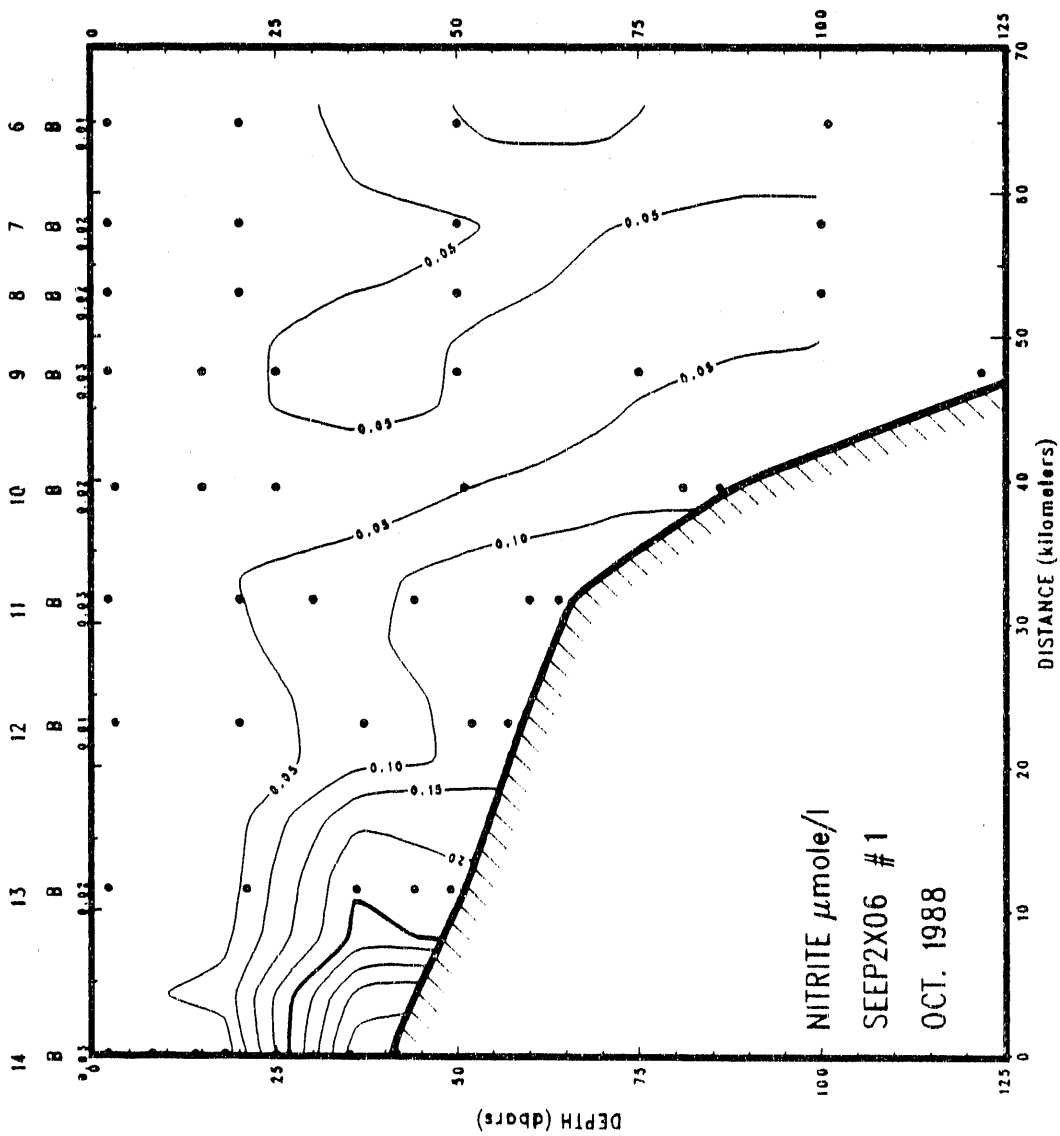
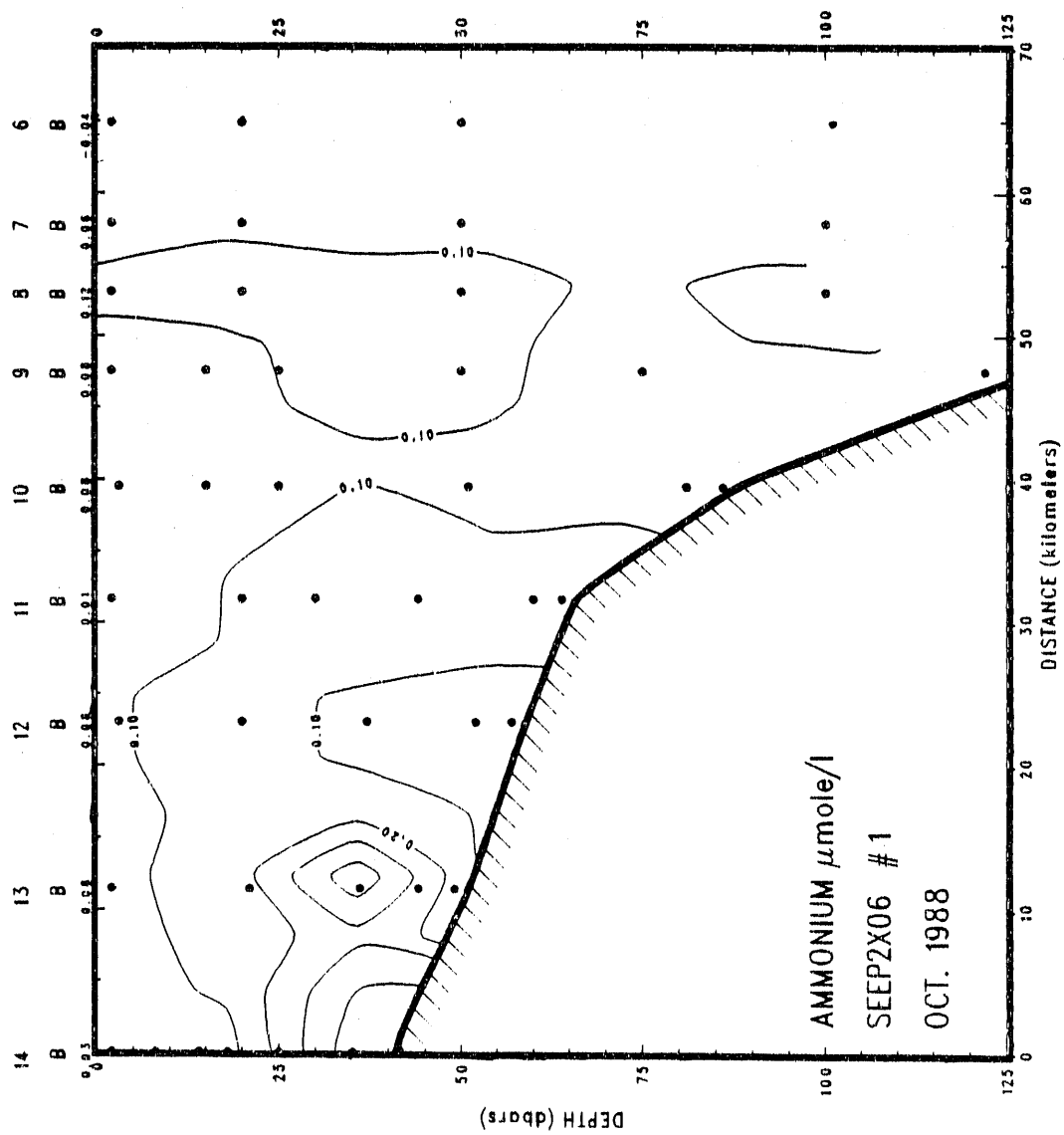
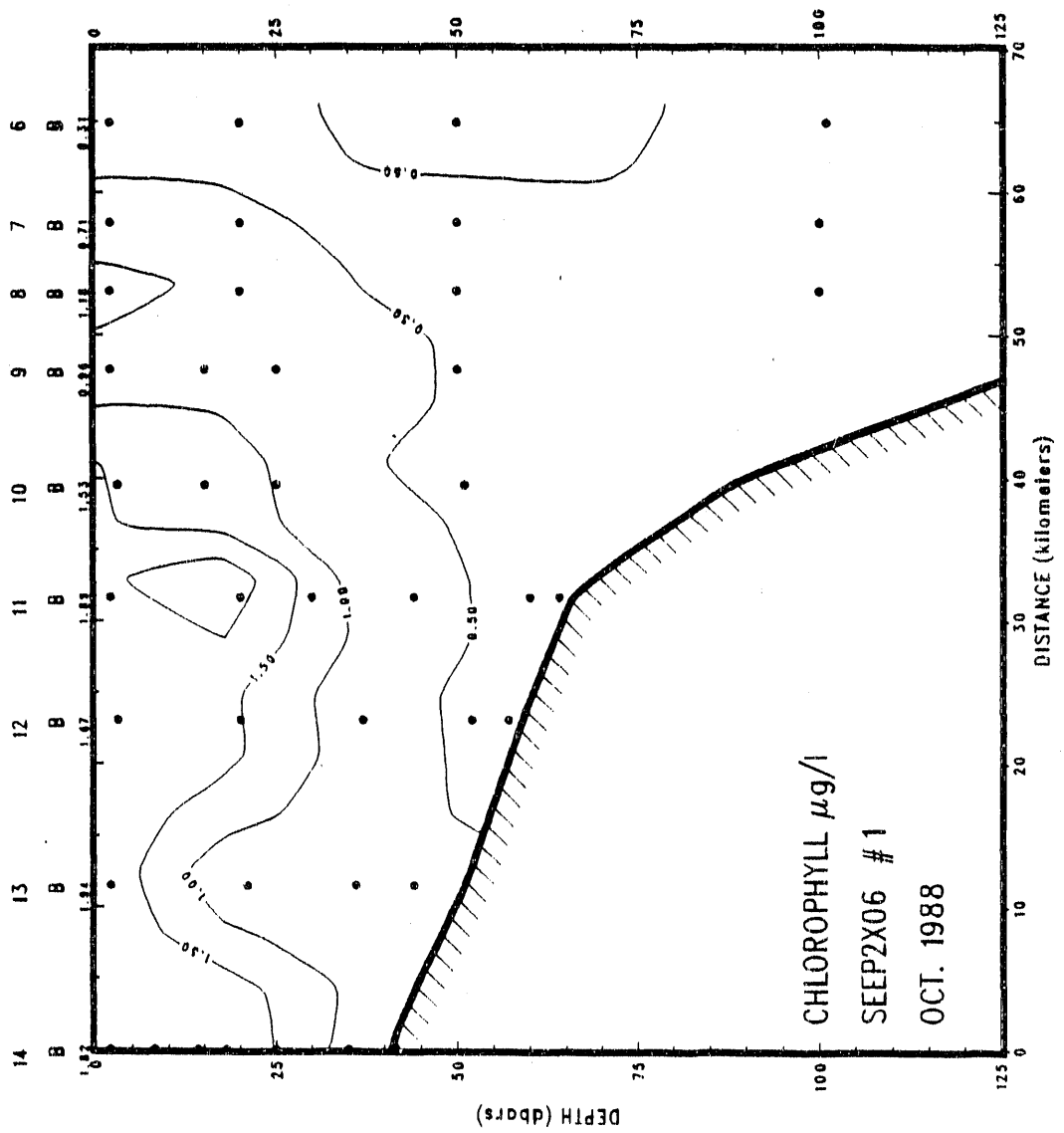
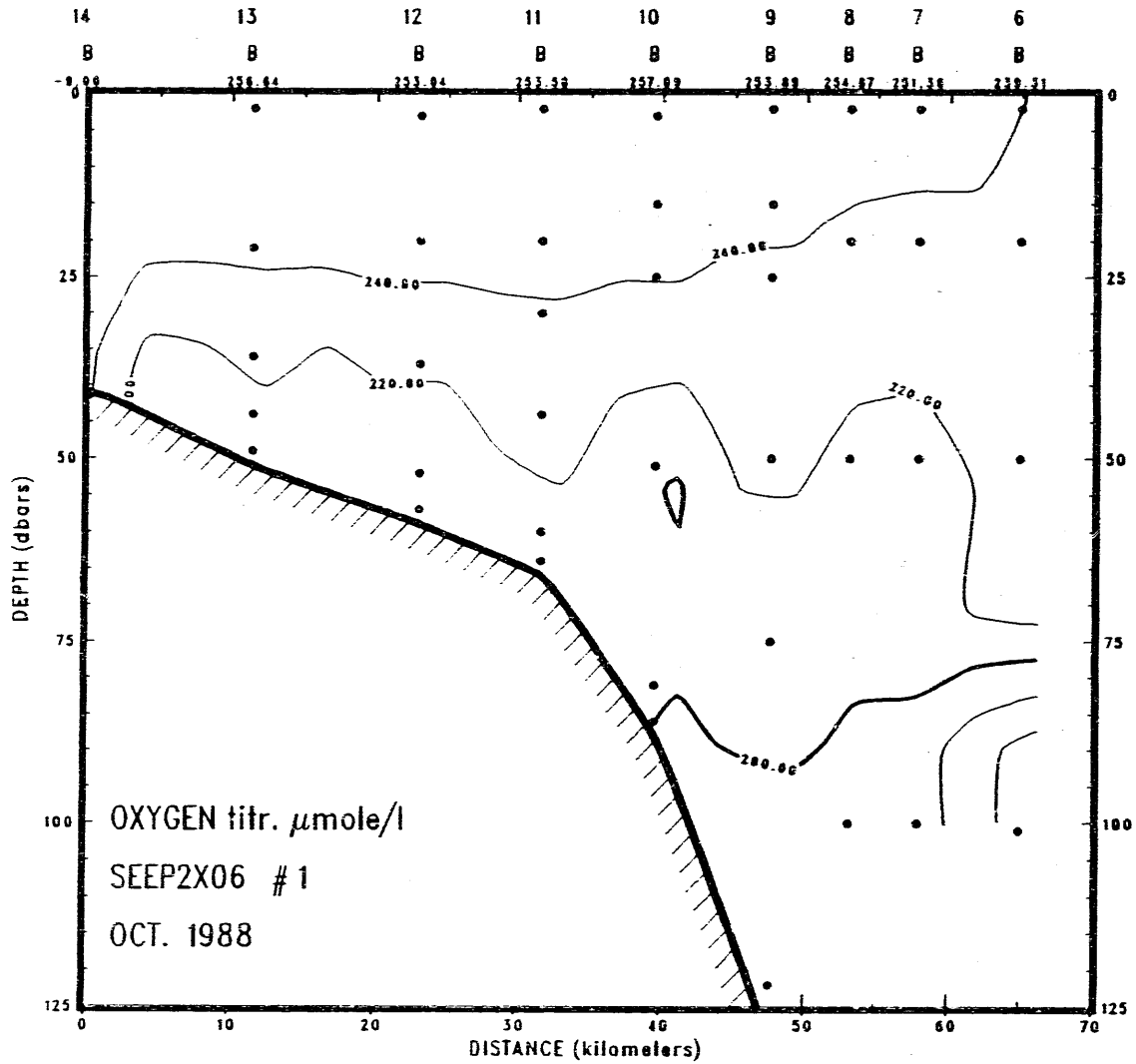
SEEP2X06 # 1
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)


NITRATE μmole/l
SEEP2X06 #1
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)


NITRITE μmole/l
SEEP2X06 #1
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)
0.05
0.10
0.15
0.2


AMMONIUM μmole/l
SEEP2X06 #1
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)
0.10
0.20


CHLOROPHYLL µg/l
SEEP2X06 #1
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)
0.50
1.00
1.50


14 13 12 11 10 9 8 7 6
B B B B B B B B B
240.00
220.00
DEPTH (dbars)
OXYGEN titr. μmole/l
SEEP2X06 # 1
OCT. 1988
DISTANCE (kilometers)

SEEP2-06 Transect 2

Washington Canyon

CONTOURED CROSS-SECTIONS

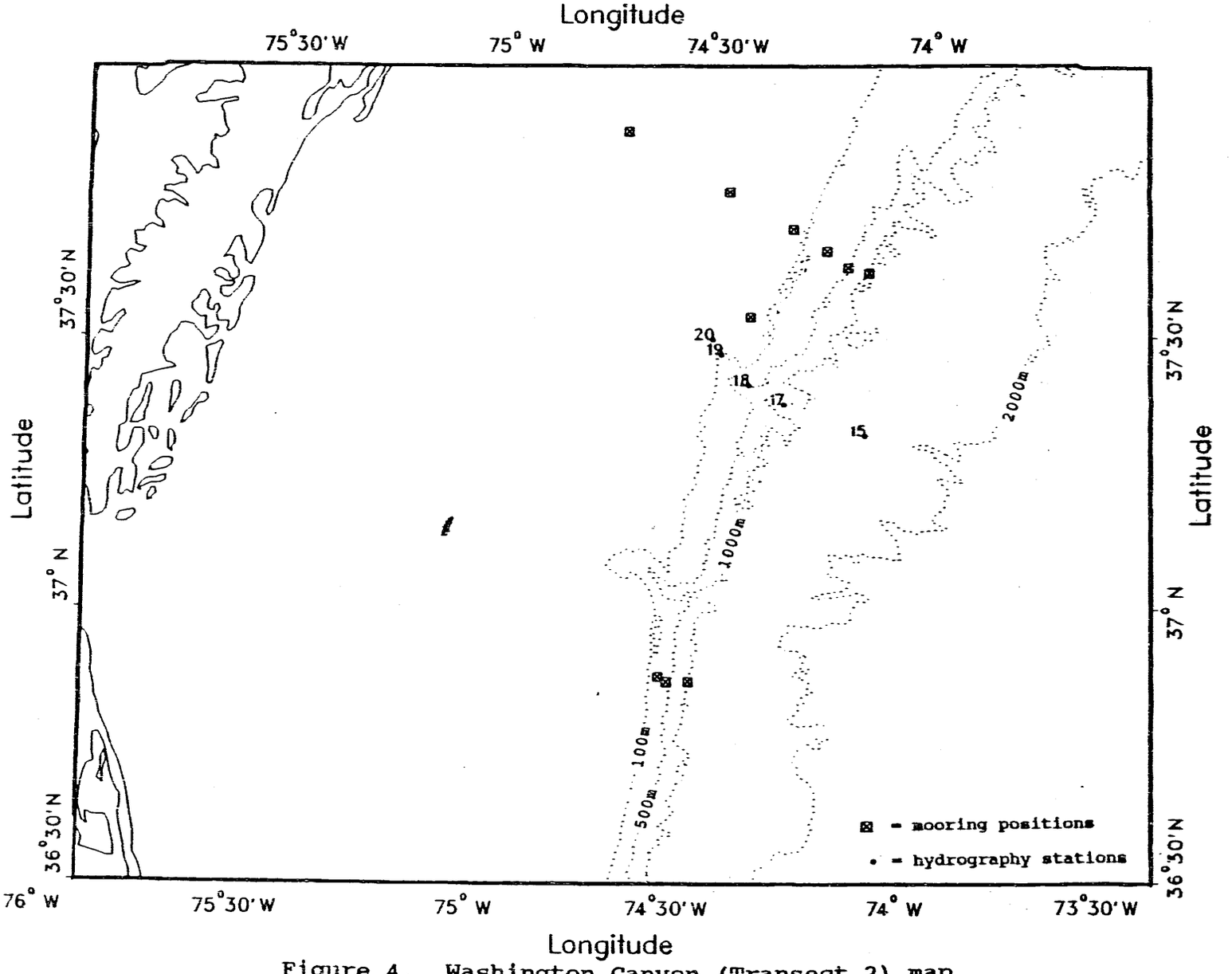
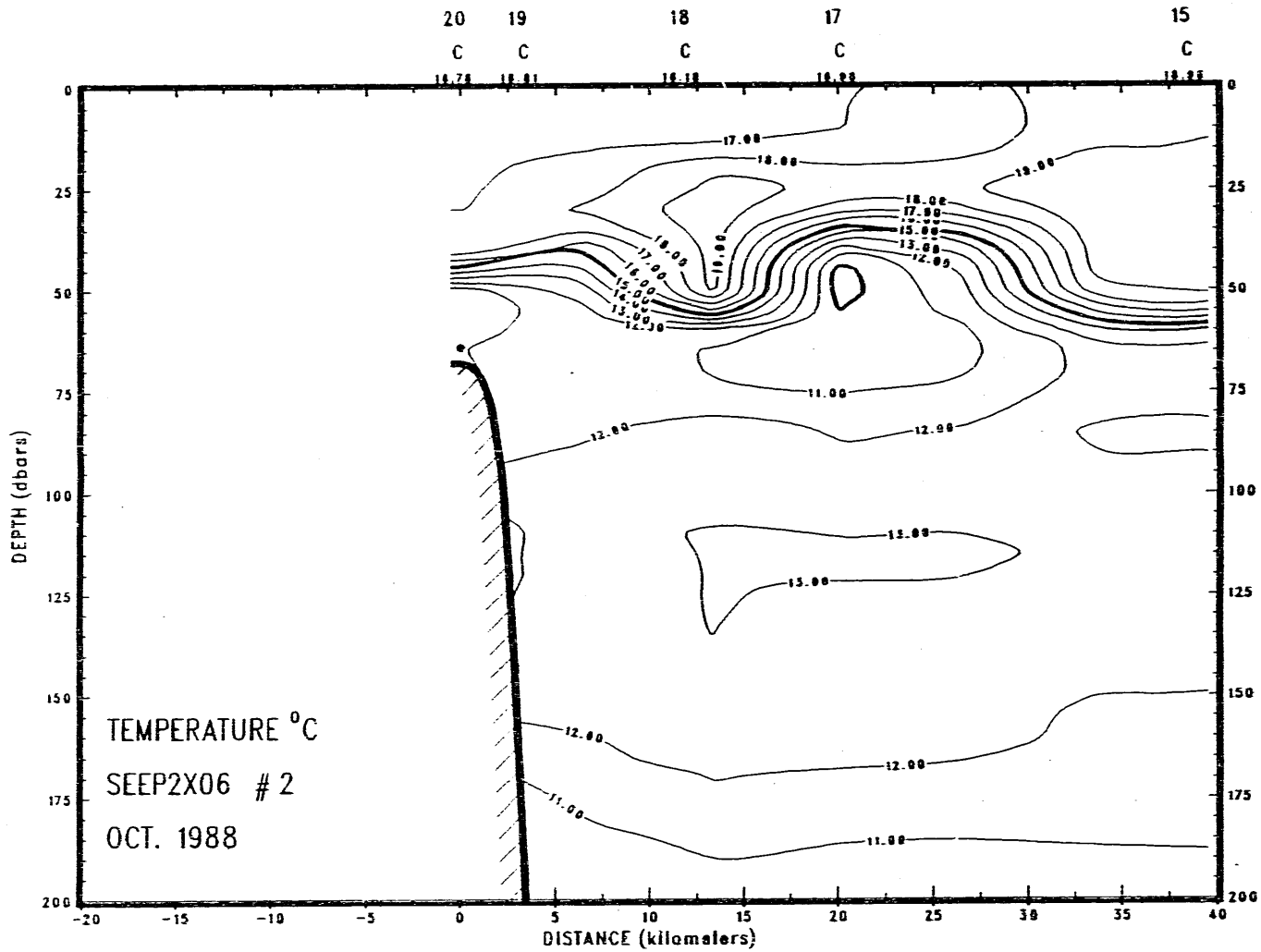
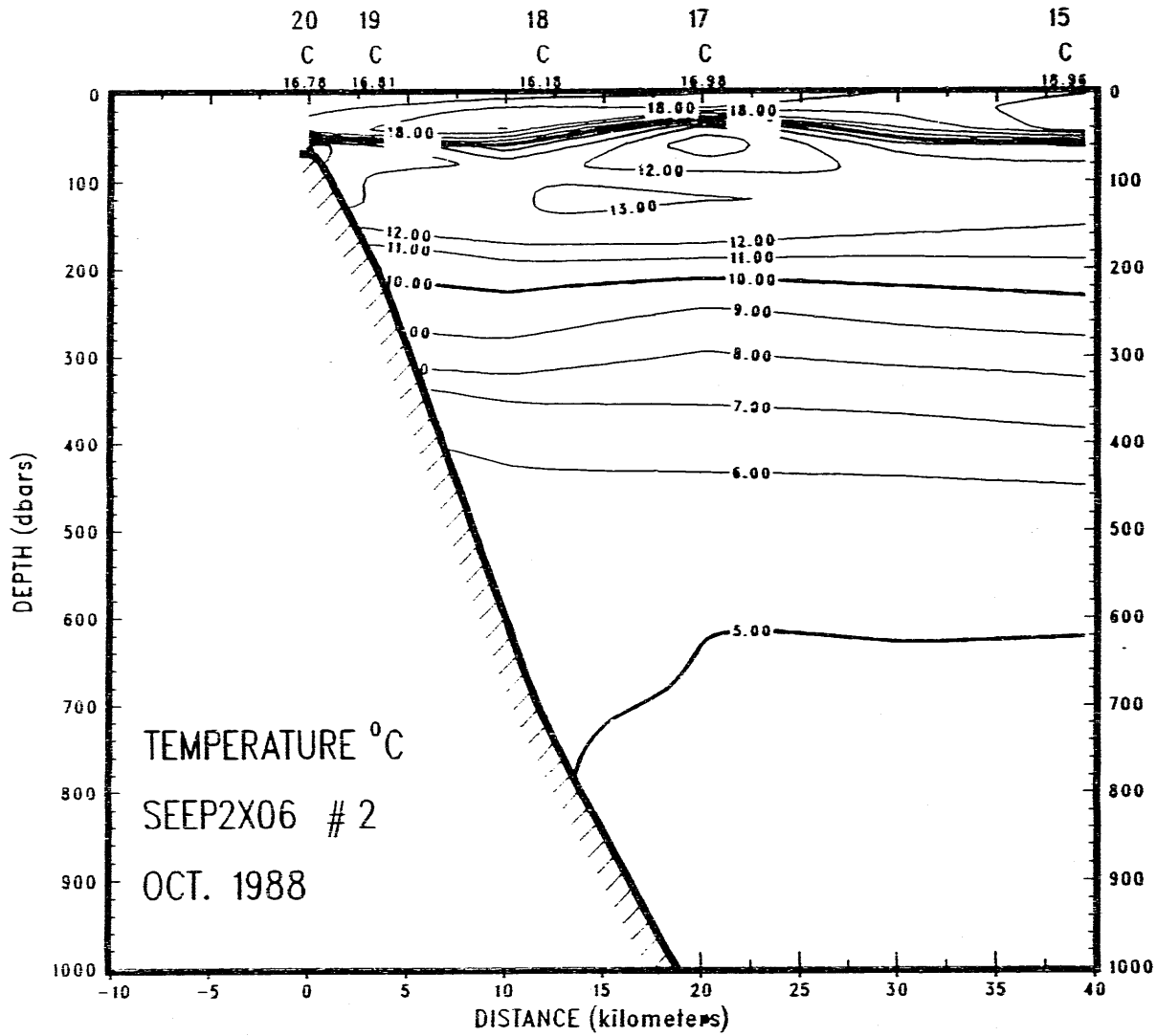
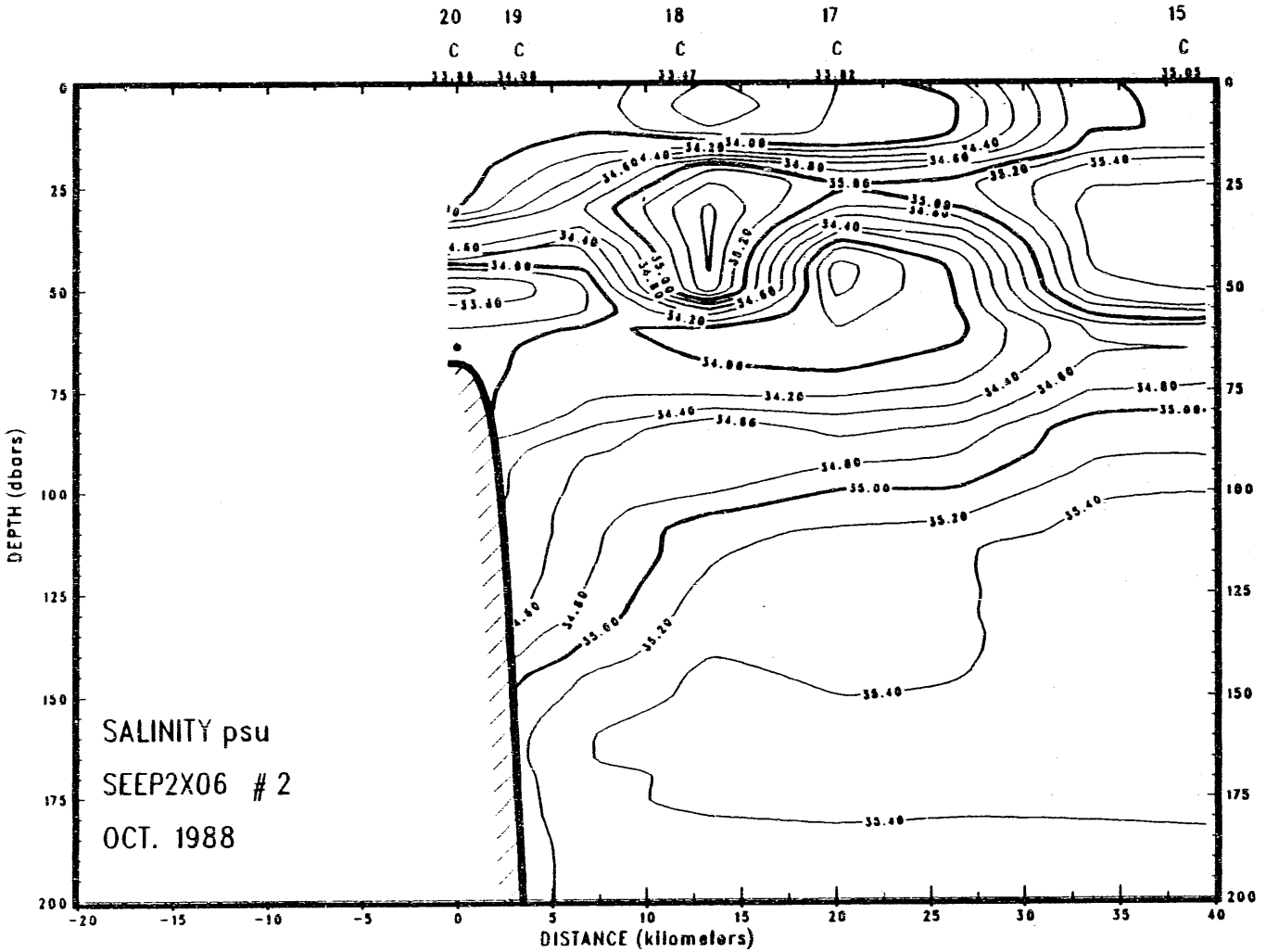
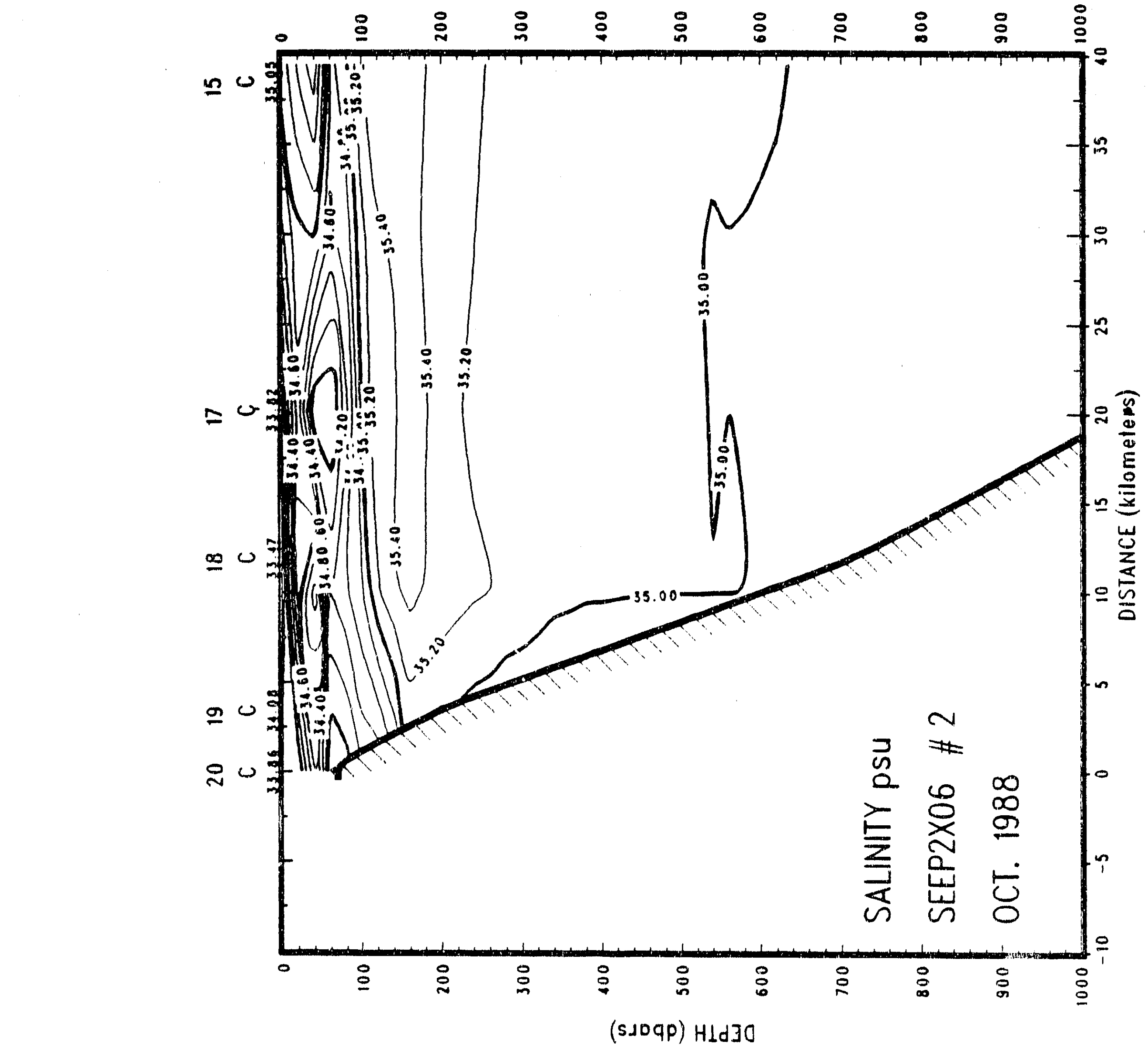


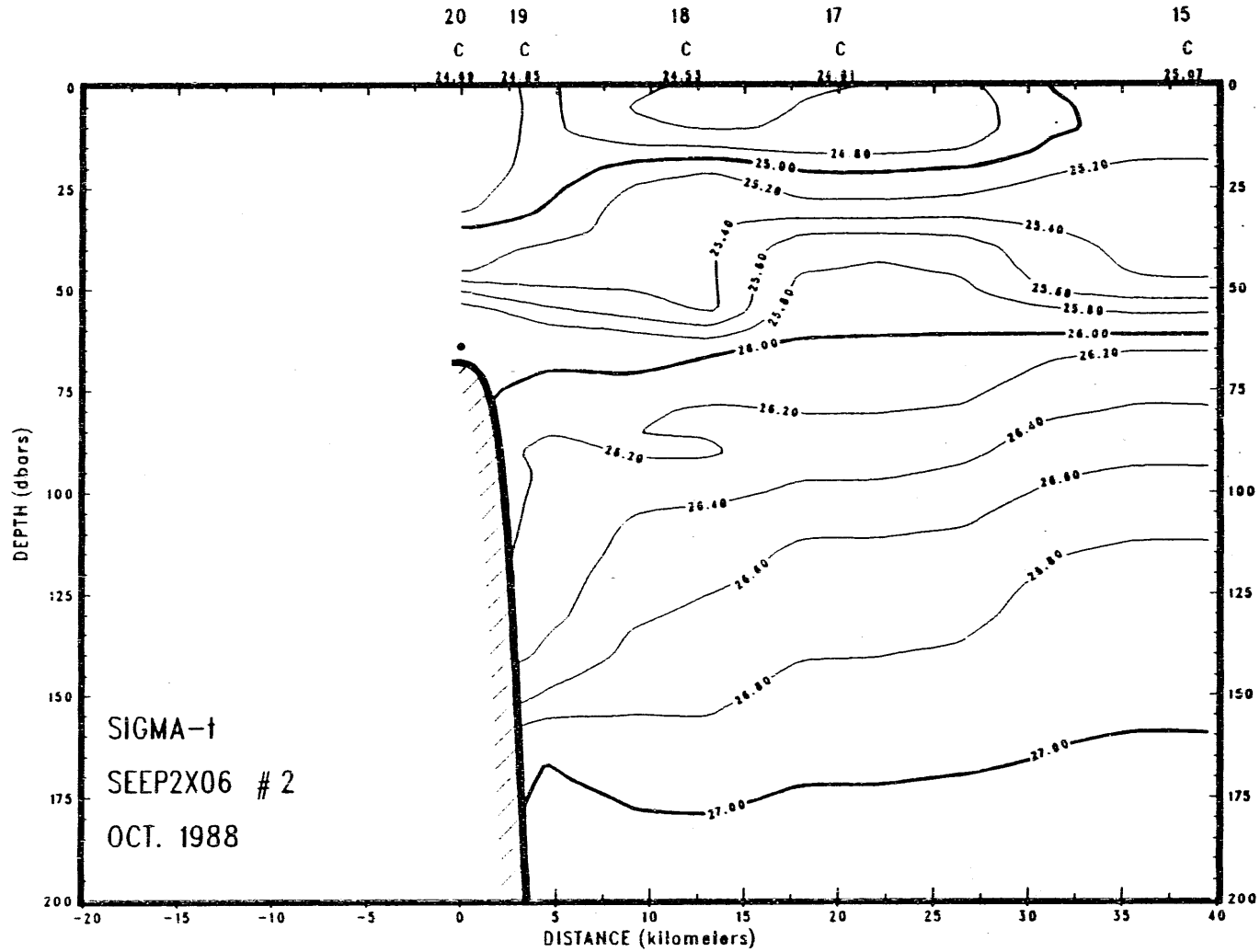
Figure 4. Washington Canyon (Transect 2) map

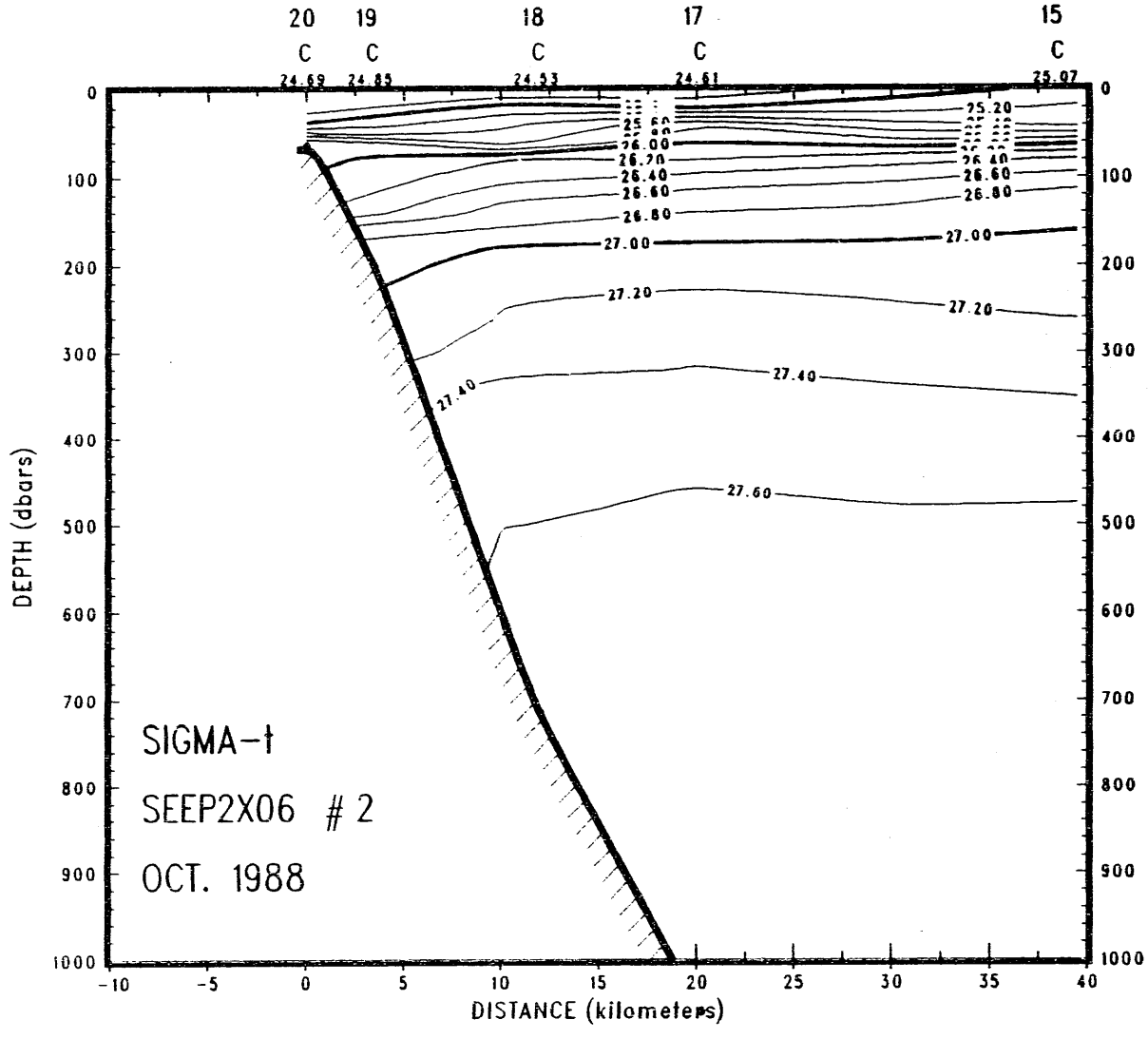

20 C
19 C
18 C
17 C
15 C
DEPTH (dbars)
DISTANCE (kilometers)
TEMPERATURE °C
SEEP2X06 # 2
OCT. 1988

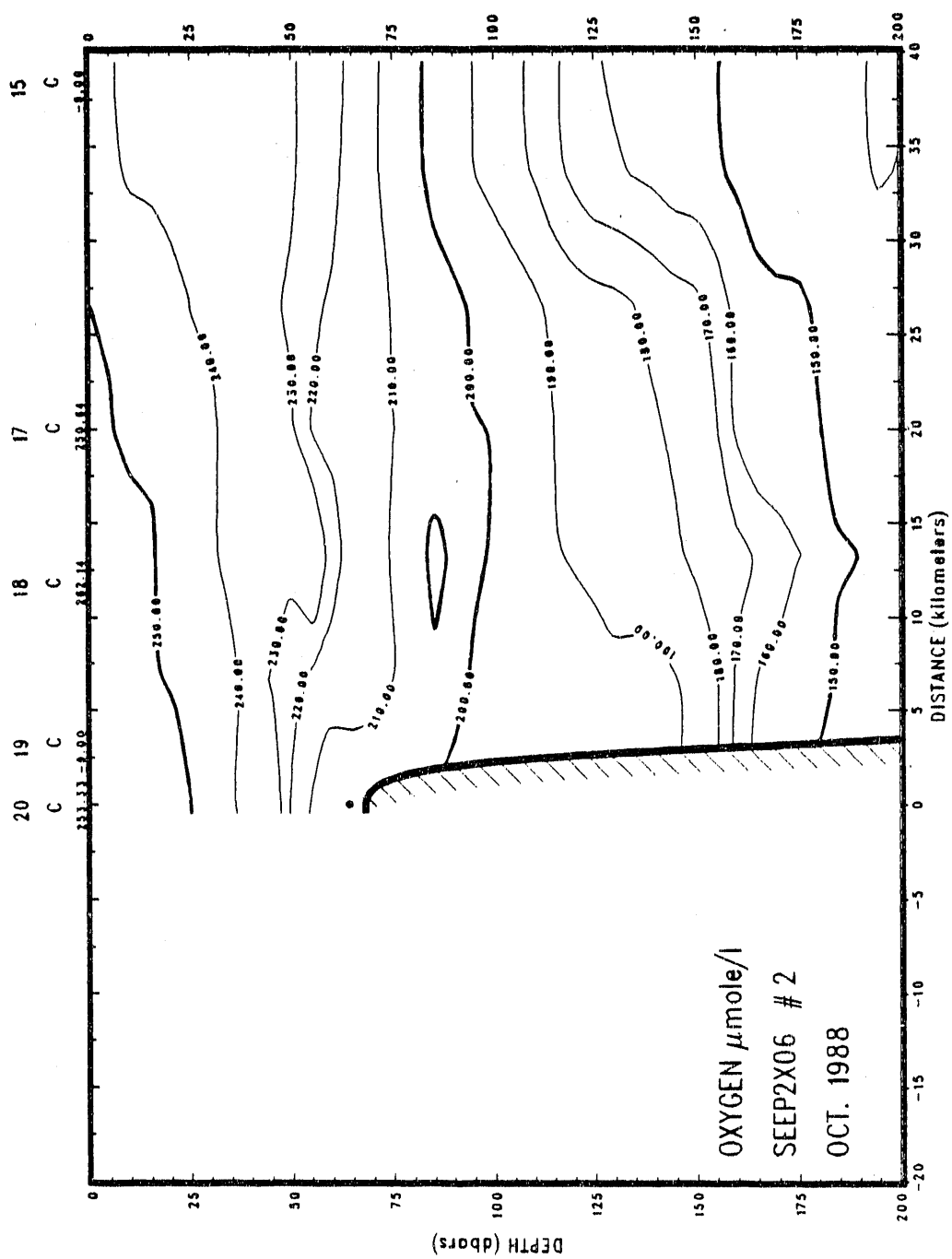

20 C
19 C
18 C
17 C
15 C
16.78
16.81
16.15
16.98
15.95
18.00
12.00
13.00
11.00
10.00
9.00
8.00
7.00
6.00
5.00
DEPTH (dbars)
TEMPERATURE °C
SEEP2X06 # 2
OCT. 1988
DISTANCE (kilometers)

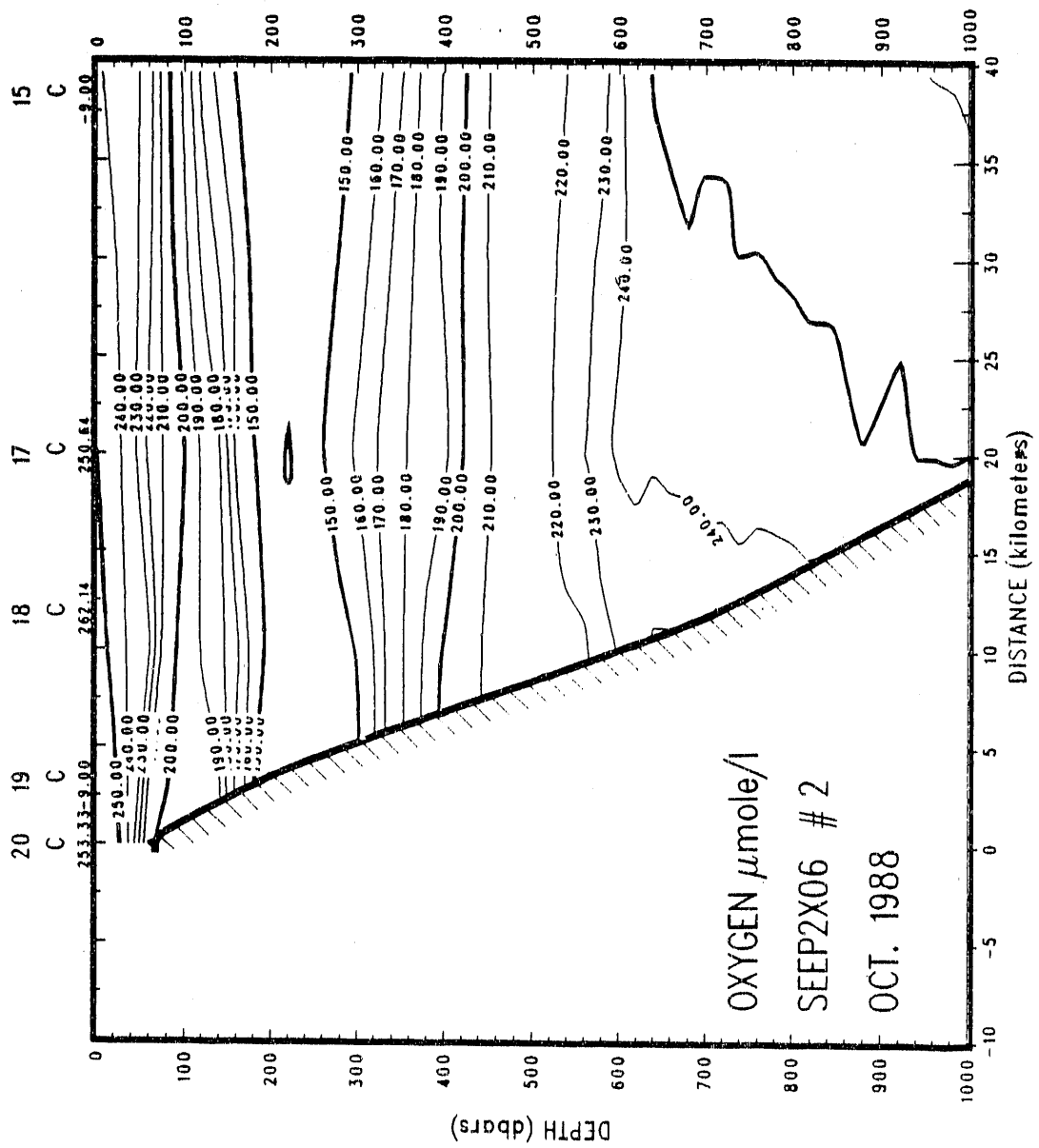

20 C
19 C
18 C
17 C
15 C
DEPTH (dbars)
DISTANCE (kilometers)
SALINITY psu
SEEP2X06 # 2
OCT. 1988

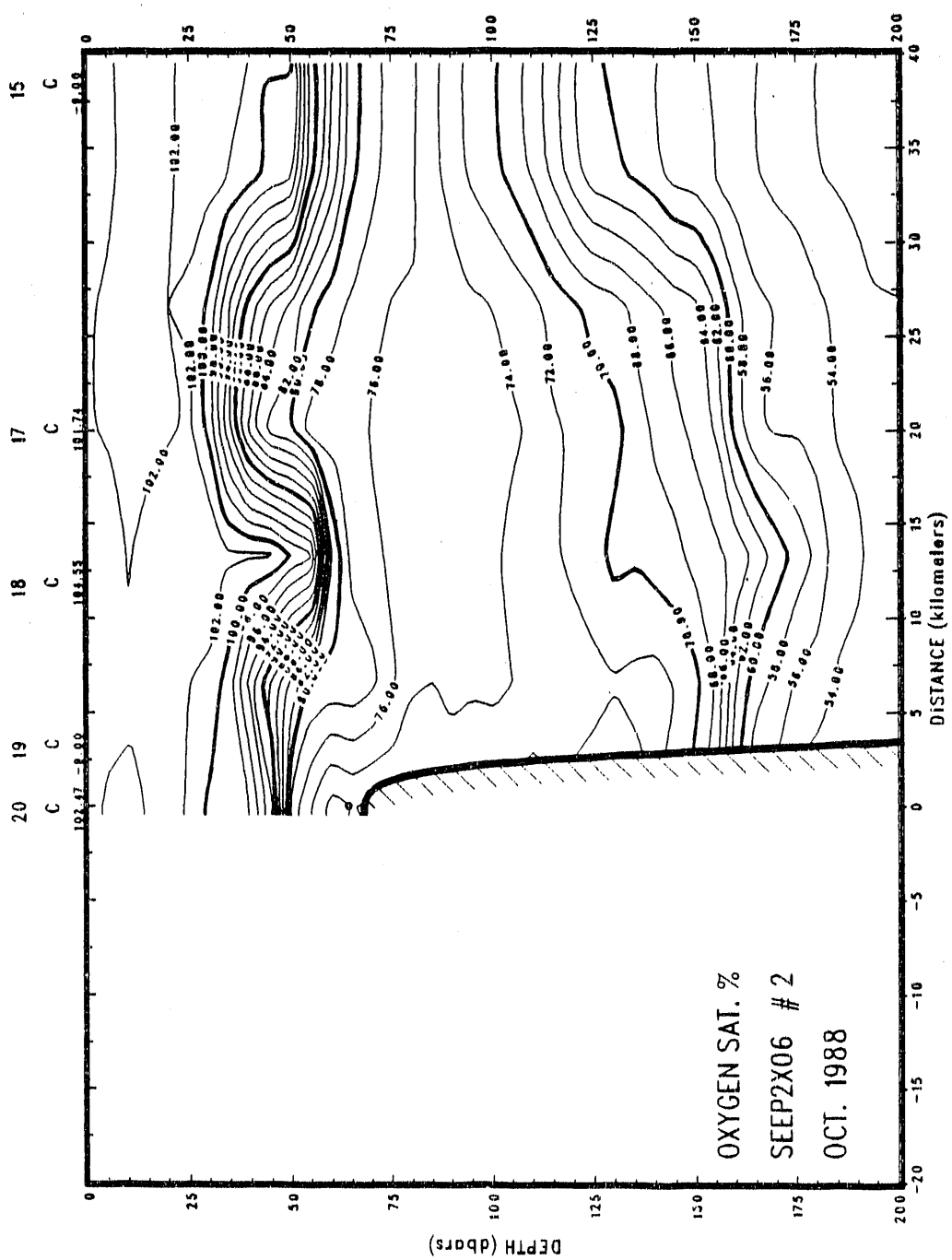

SALINITY psu
SEEP2X06 # 2
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)
20 19 18 17 15

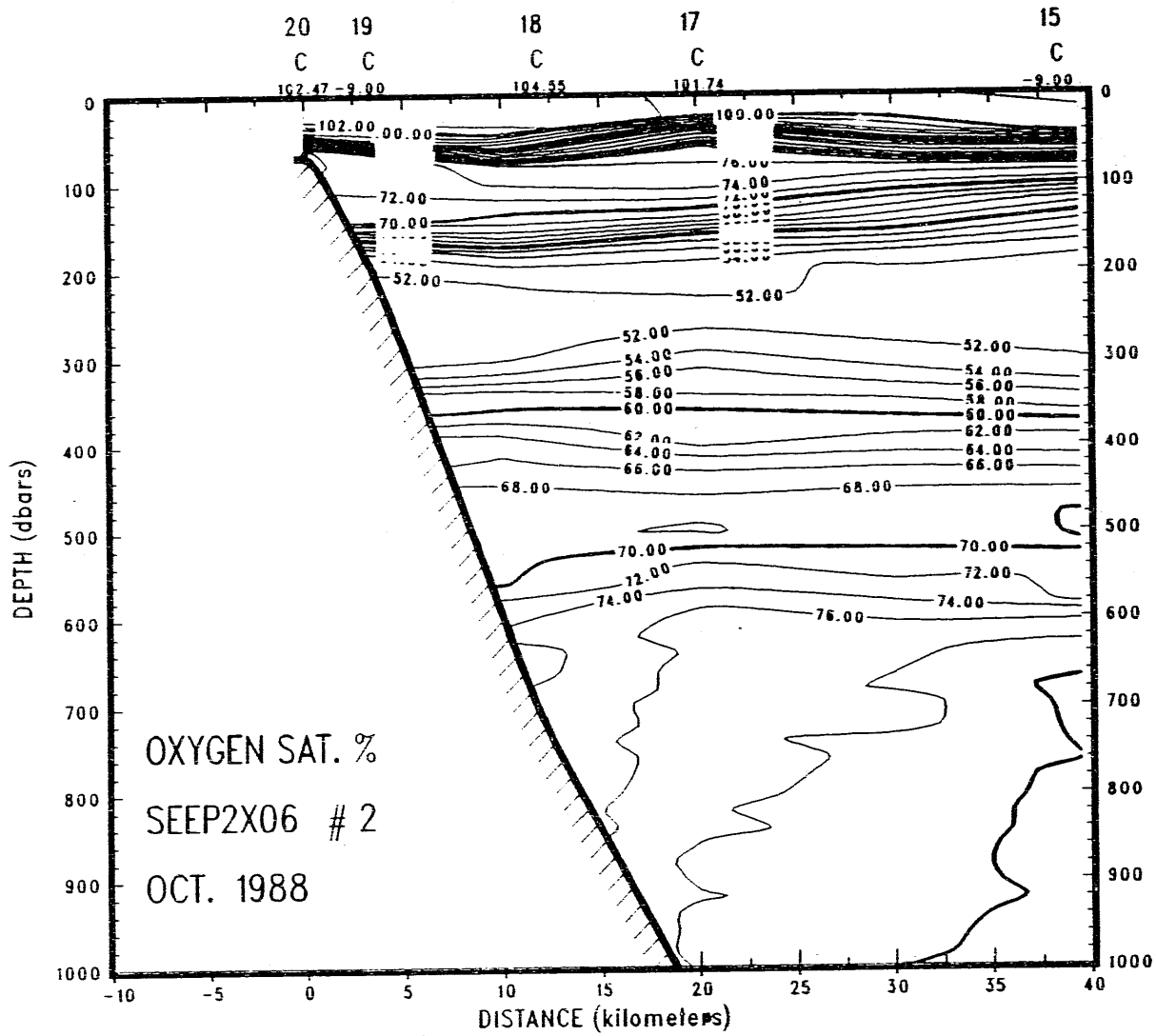

20 C
19 C
18 C
17 C
15 C
24.88
24.85
24.53
24.31
25.07
24.80
25.00
25.20
25.40
25.60
25.80
26.00
26.20
26.40
26.60
26.80
27.00
SIGMA-t
SEEP2X06 # 2
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)
0
25
50
75
100
125
150
175
200
-20
-15
-10
-5
0
5
10
15
20
25
30
35
40

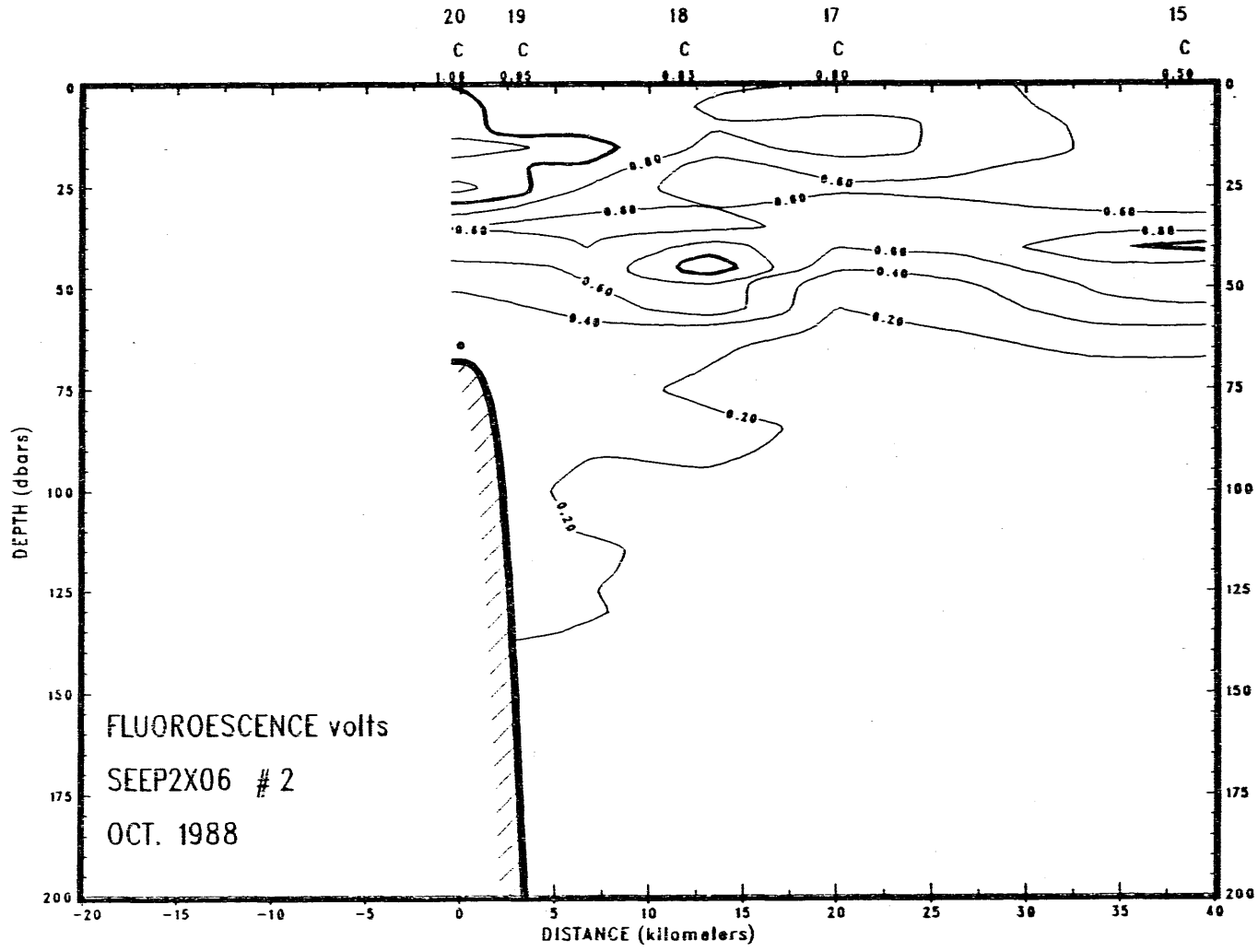

20 C
19 C
18 C
17 C
15 C
24.69
24.85
24.53
24.61
25.07
25.20
26.00
26.20
26.40
26.60
26.80
27.00
27.20
27.40
27.60
SIGMA-t
SEEP2X06 # 2
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
900
1000
-10
-5
0
5
10
15
20
25
30
35
40

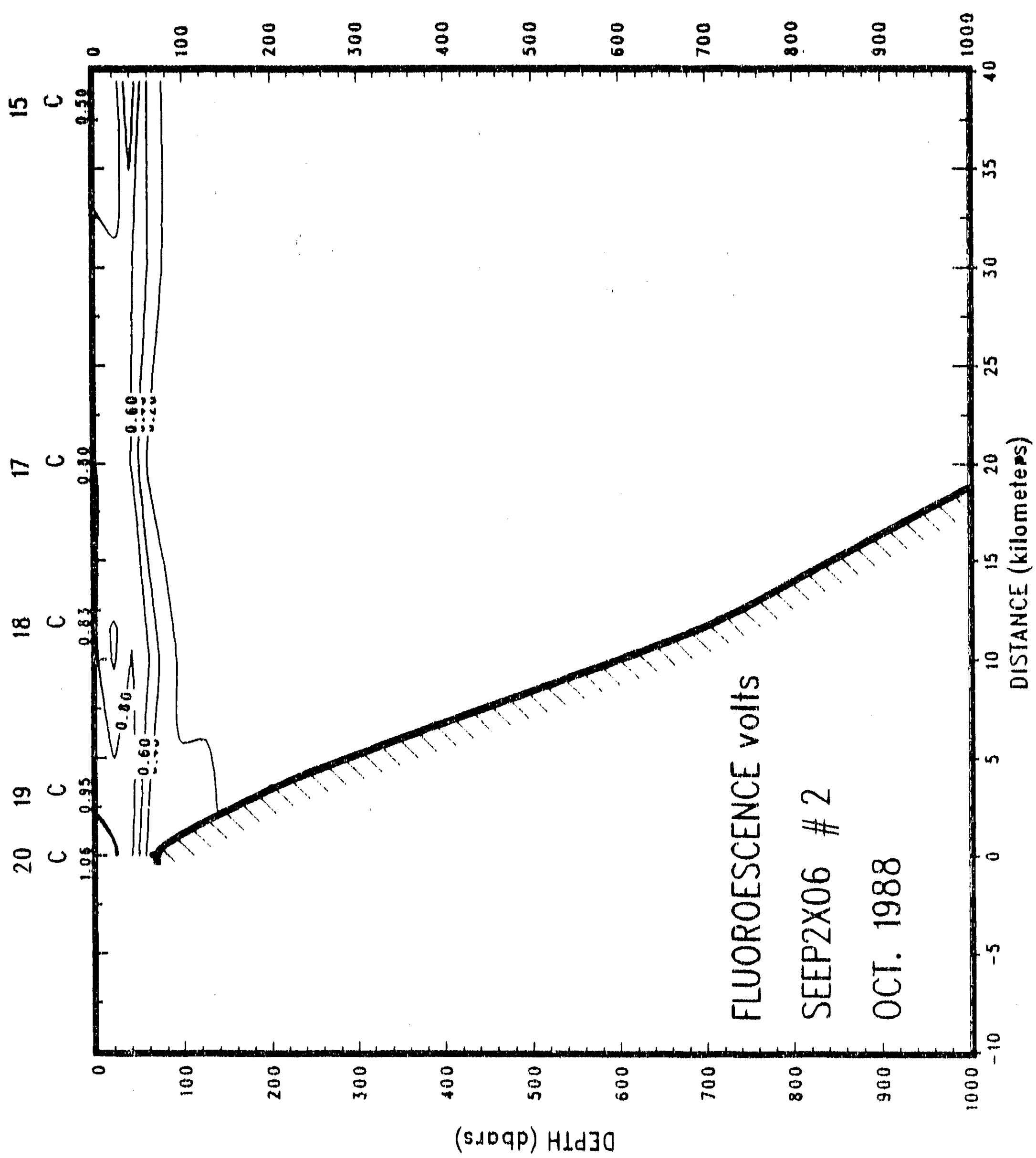

OXYGEN µmole/l
SEEP2X06 # 2
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)

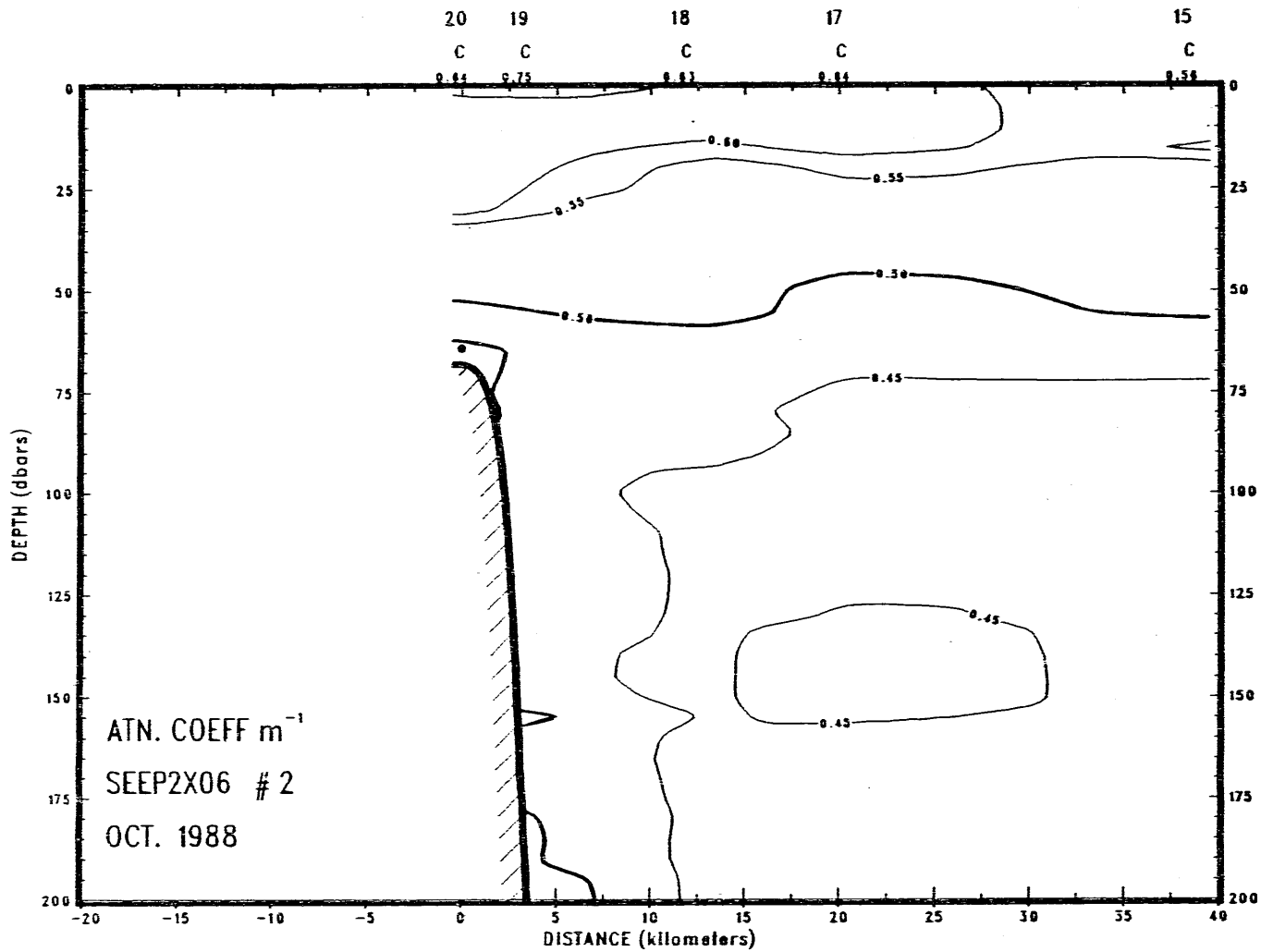

OXYGEN μmole/l
SEEP2X06 # 2
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)

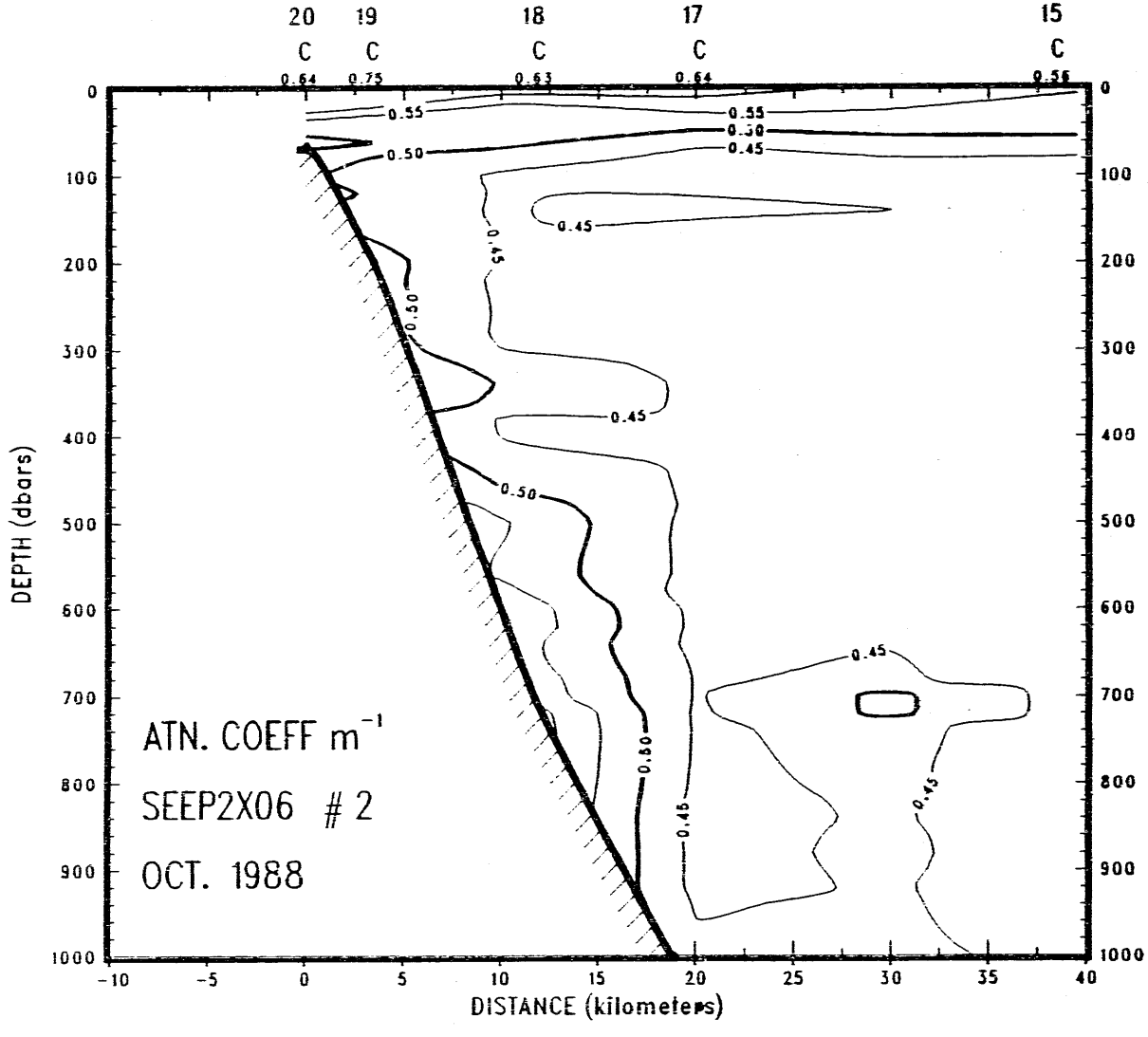

OXYGEN SAT. %
SEEP2X06 # 2
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)

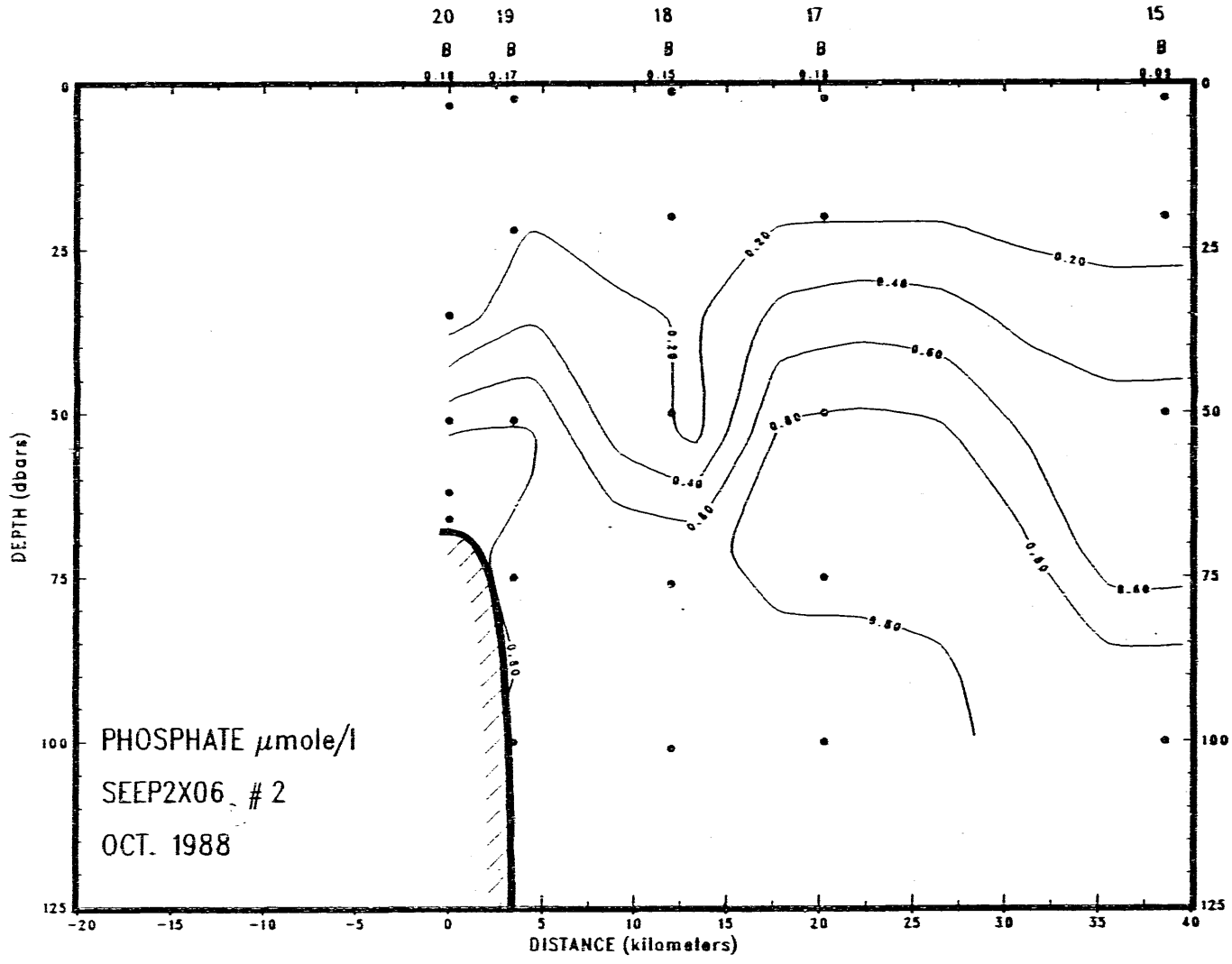

20 C
19 C
18 C
17 C
15 C
102.47 -9.00
104.55
101.74
-9.00
DEPTH (dbars)
DISTANCE (kilometers)
OXYGEN SAT. %
SEEP2X06 # 2
OCT. 1988

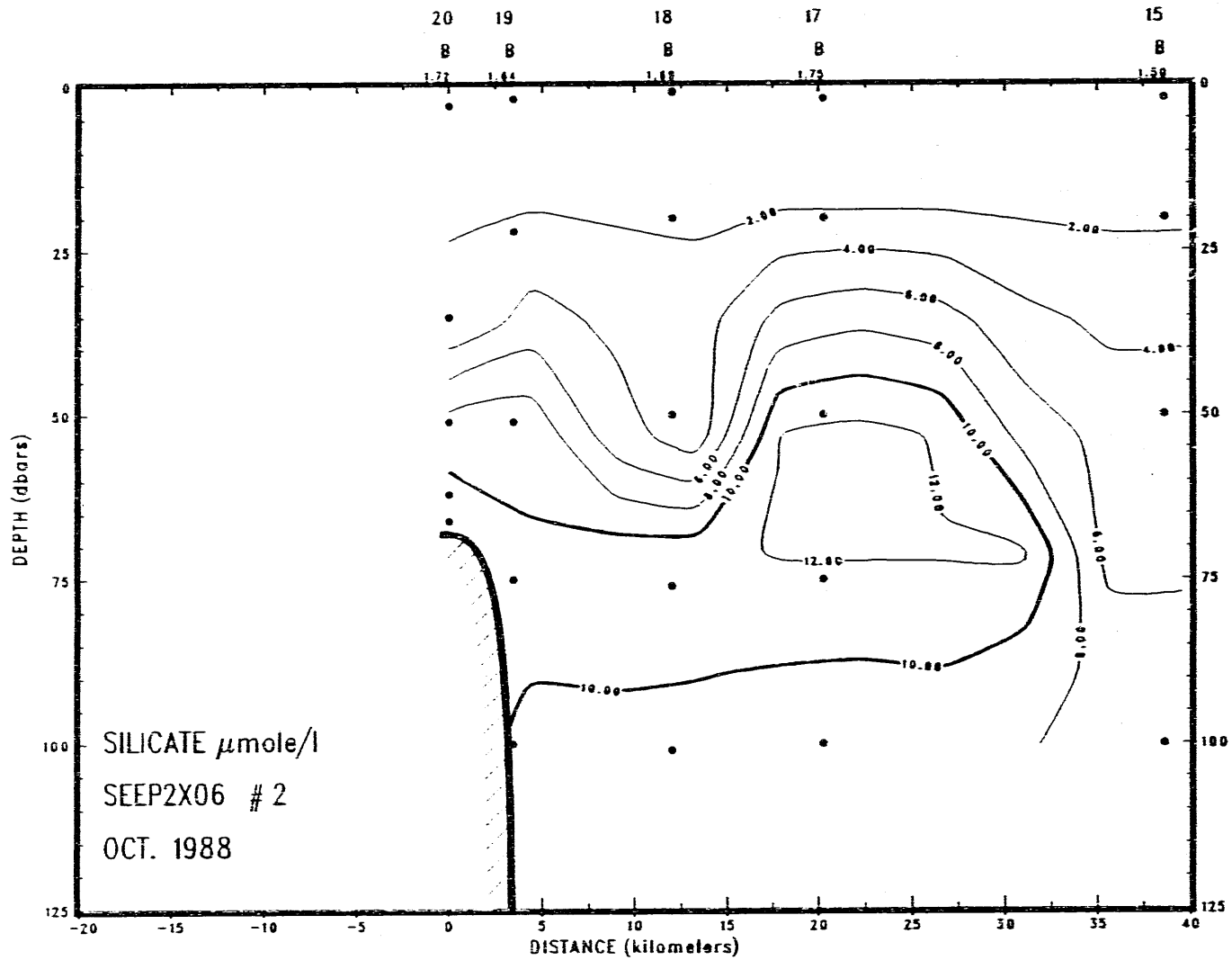

20 C
19 C
18 C
17 C
15 C
DEPTH (dbars)
DISTANCE (kilometers)
FLUOROESCENCE volts
SEEP2X06 # 2
OCT. 1988

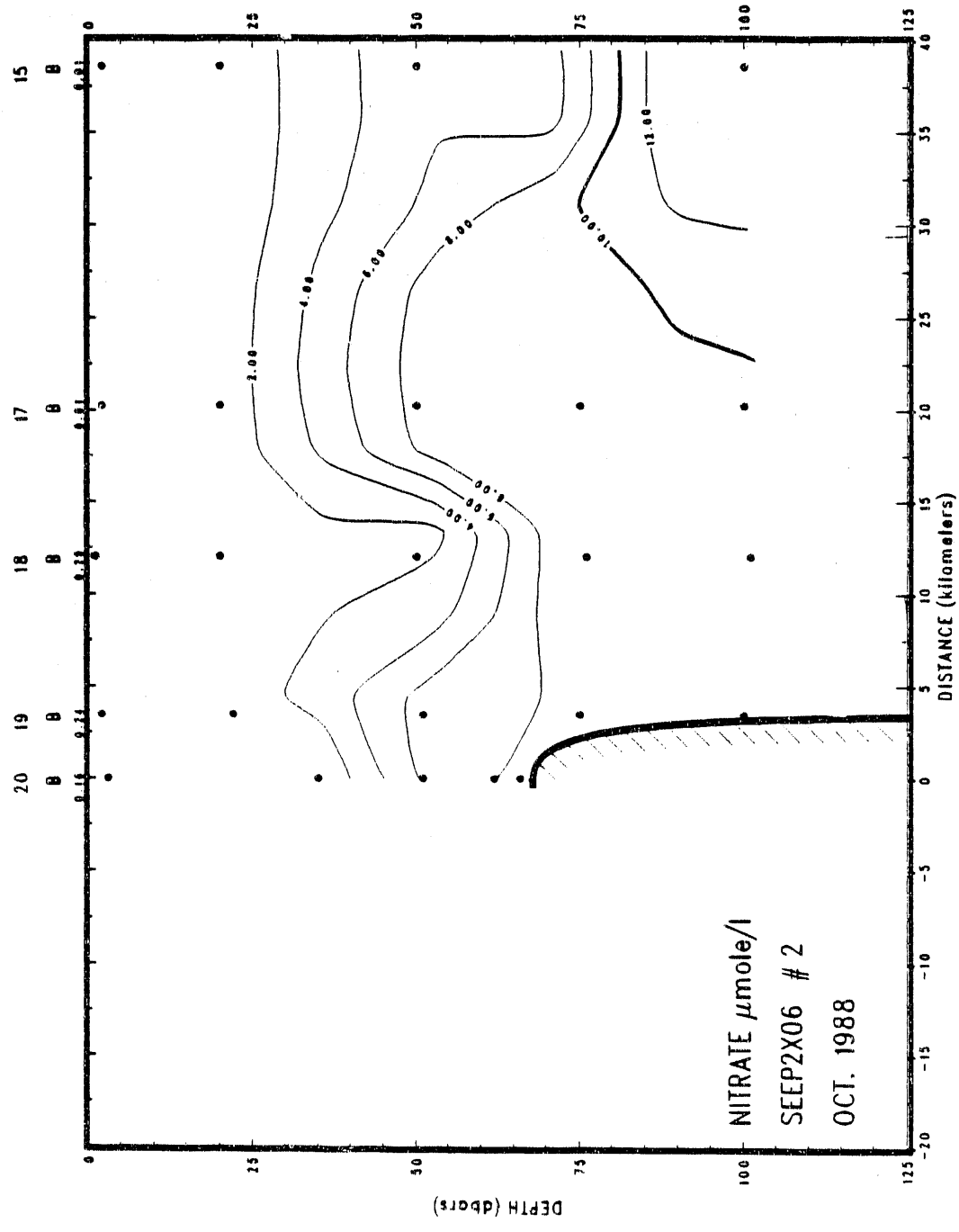

FLUOROESCENCE volts
SEEP2X06 # 2
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)
20 19 18 17 15
C C C C C
1.06
0.95
0.83
0.80
0.50
0.60
0.80
-10 -5 0 5 10 15 20 25 30 35 40
0 100 200 300 400 500 600 700 800 900 1000

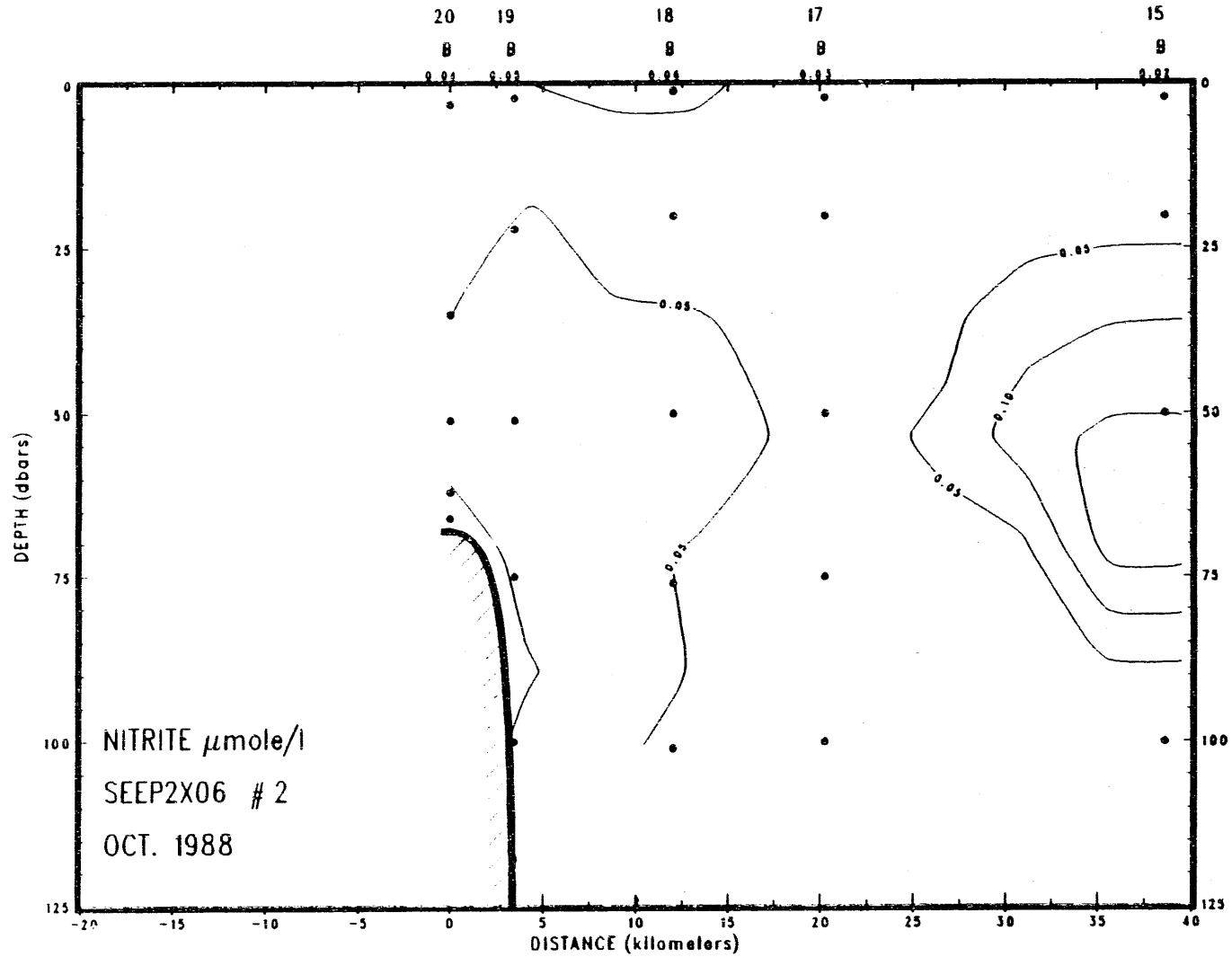

20 C
19 C
18 C
17 C
15 C
0.64
0.75
0.61
0.64
0.58
0.60
0.55
0.55
0.50
0.50
0.45
0.45
0.45
DEPTH (dbars)
0
25
50
75
100
125
150
175
200
ATN. COEFF m^{-1}
SEEP2X06 # 2
OCT. 1988
-20
-15
-10
-5
0
5
10
15
20
25
30
35
40
DISTANCE (kilometers)

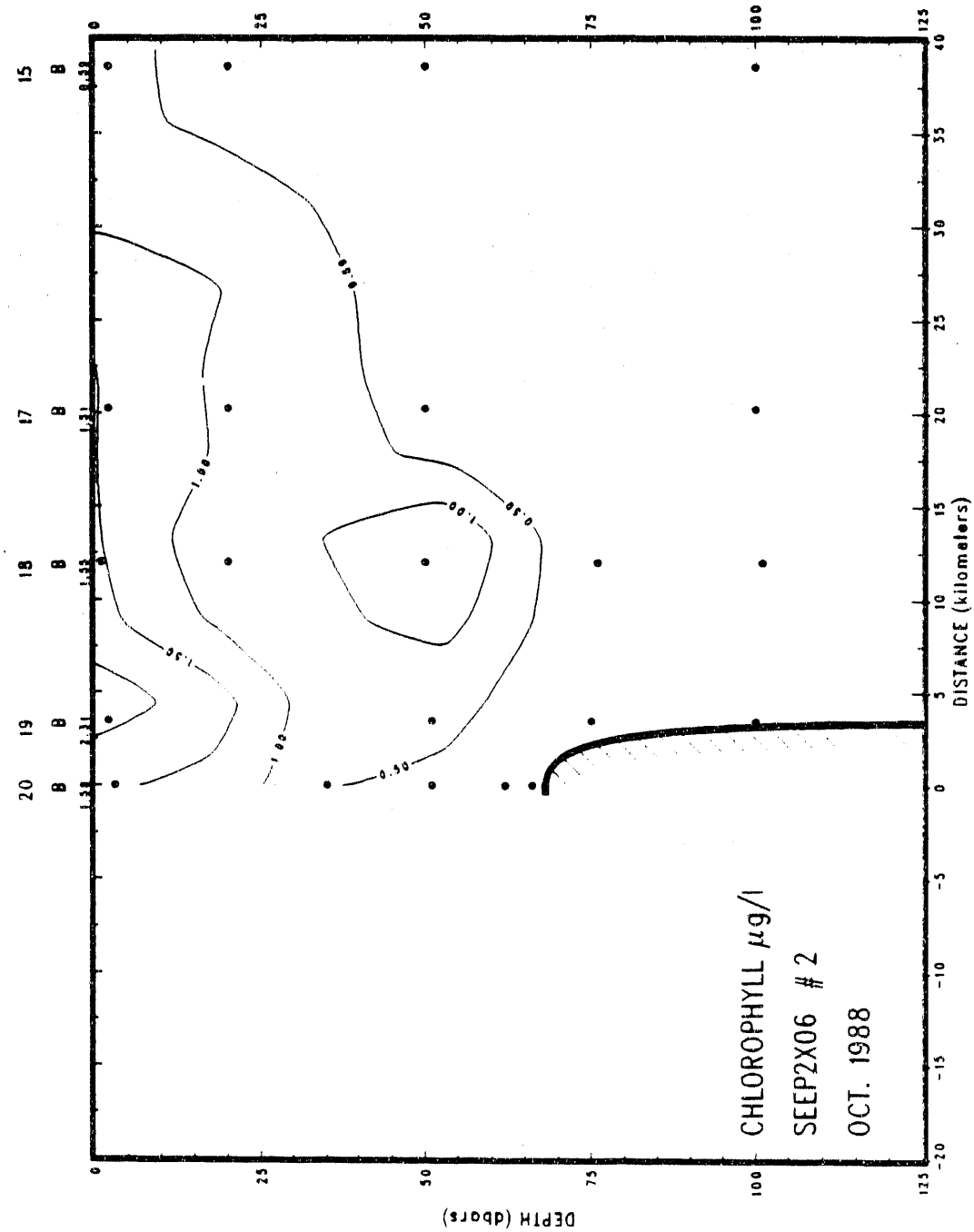

20 C
19 C
18 C
17 C
15 C
0.64
0.75
0.63
0.64
0.56
0.55
0.50
0.45
DEPTH (dbars)
DISTANCE (kilometers)
ATN. COEFF m^{-1}
SEEP2X06 # 2
OCT. 1988

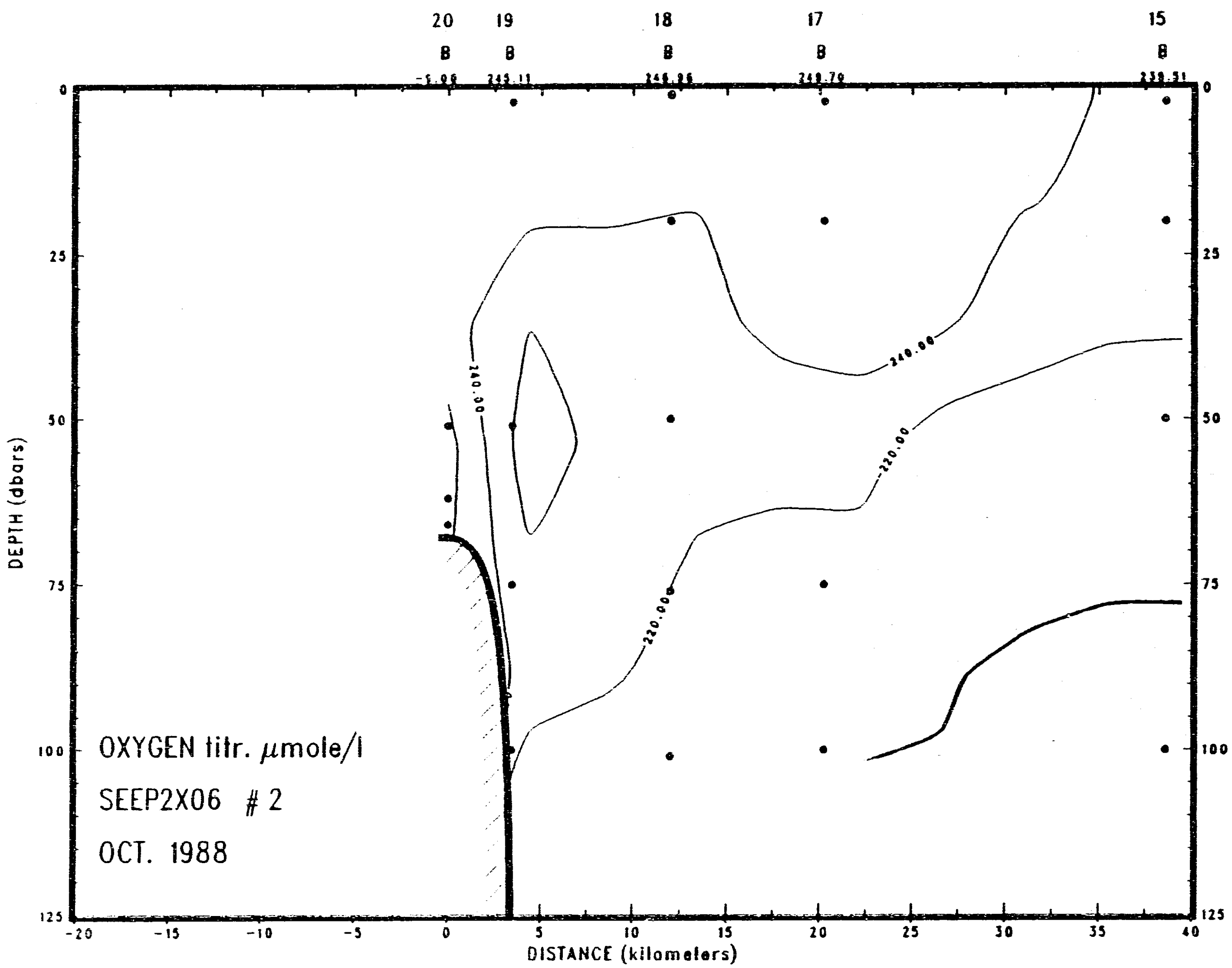

20
19
18
17
15
B
B
B
B
B
0.18
0.17
0.15
0.18
0.03
0
25
50
75
100
125
DEPTH (dbars)
0.20
0.40
0.60
0.80
PHOSPHATE μmole/l
SEEP2X06 # 2
OCT. 1988
-20
-15
-10
-5
0
5
10
15
20
25
30
35
40
DISTANCE (kilometers)


20
19
18
17
15
B
B
B
B
B
DEPTH (dbars)
DISTANCE (kilometers)
SILICATE μmole/l
SEEP2X06 # 2
OCT. 1988


NITRATE μmole/l
SEEP2X06 # 2
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)
2.00
4.00
6.00
8.00
10.00
12.00


20
19
18
17
15
0.05
0.10
DEPTH (dbars)
0
25
50
75
100
125
-20
-15
-10
-5
0
5
10
15
20
25
30
35
40
DISTANCE (kilometers)
NITRITE μmole/l
SEEP2X06 # 2
OCT. 1988


CHLOROPHYLL µg/l
SEEP2X06 # 2
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)



20
19
18
17
15
B
B
B
B
B
-5.06
245.11
246.86
248.70
239.51
240.00
220.00
DEPTH (dbars)
DISTANCE (kilometers)
OXYGEN titr. µmole/l
SEEP2X06 # 2
OCT. 1988

SEEP2-06 Transect 3

South Line

CONTOURED CROSS-SECTIONS

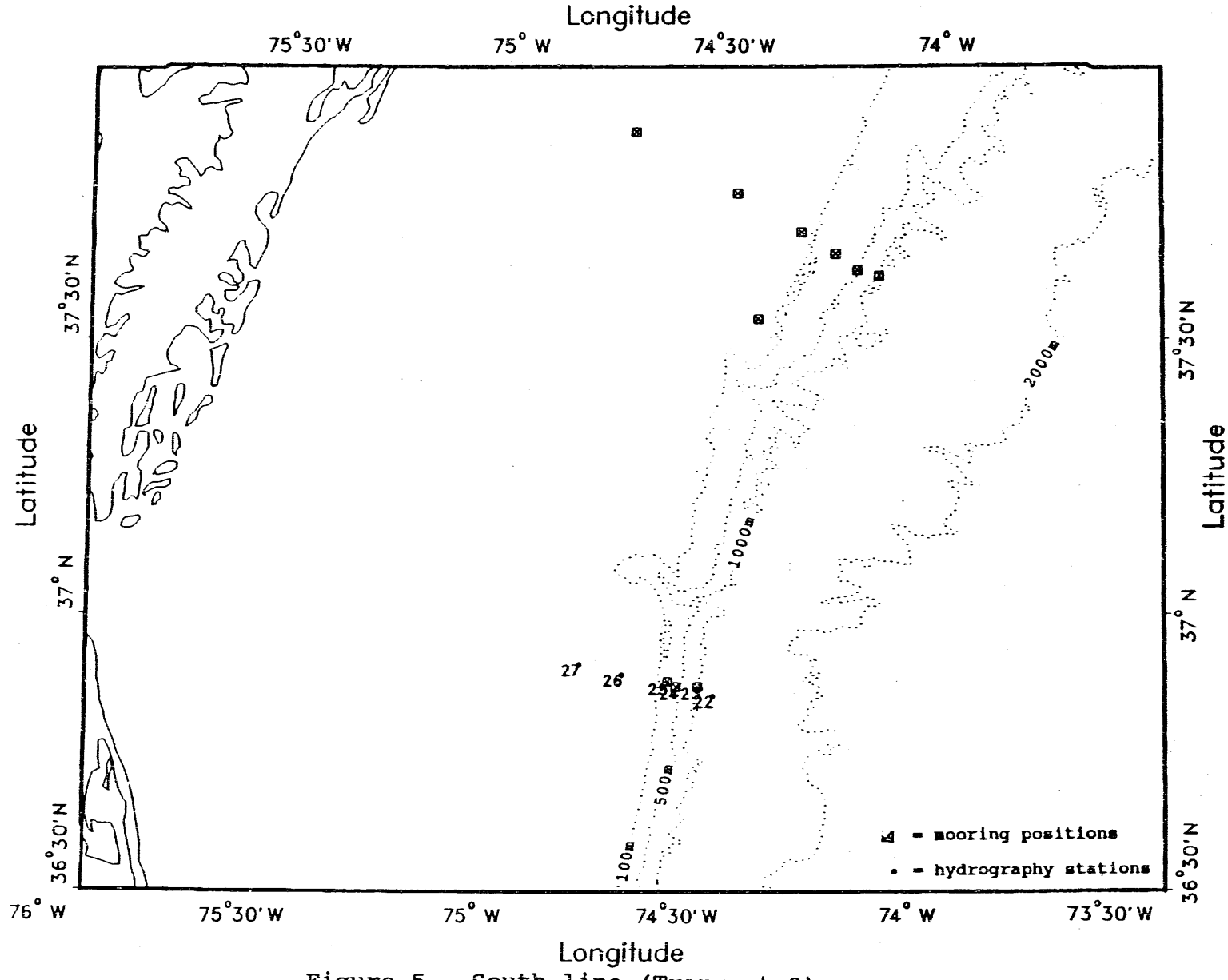
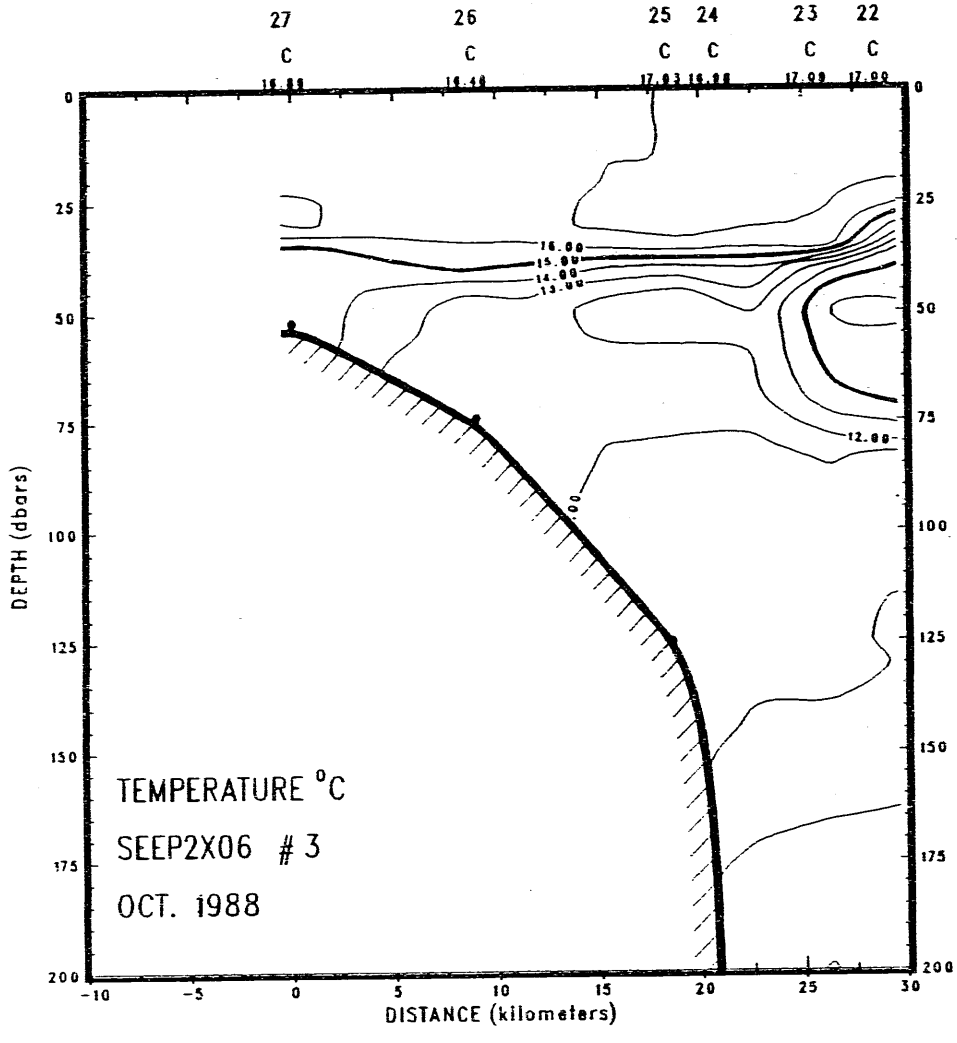
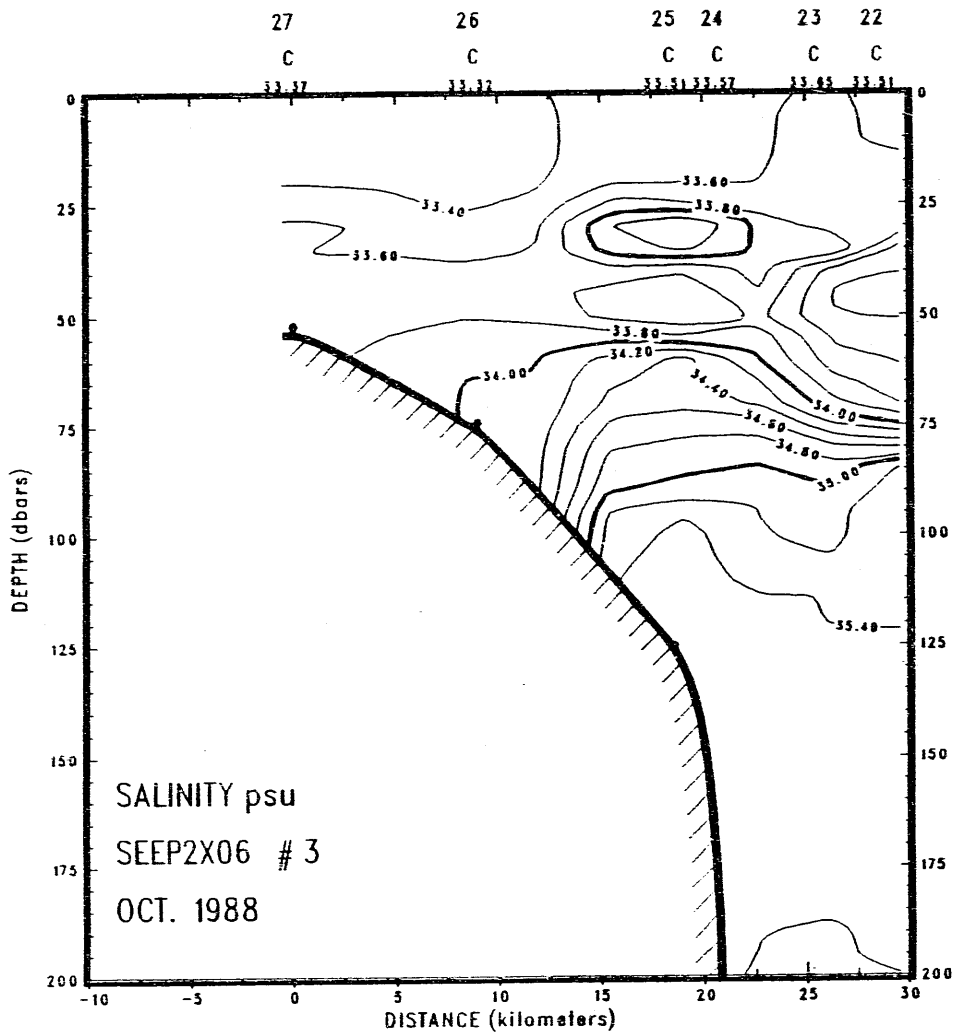
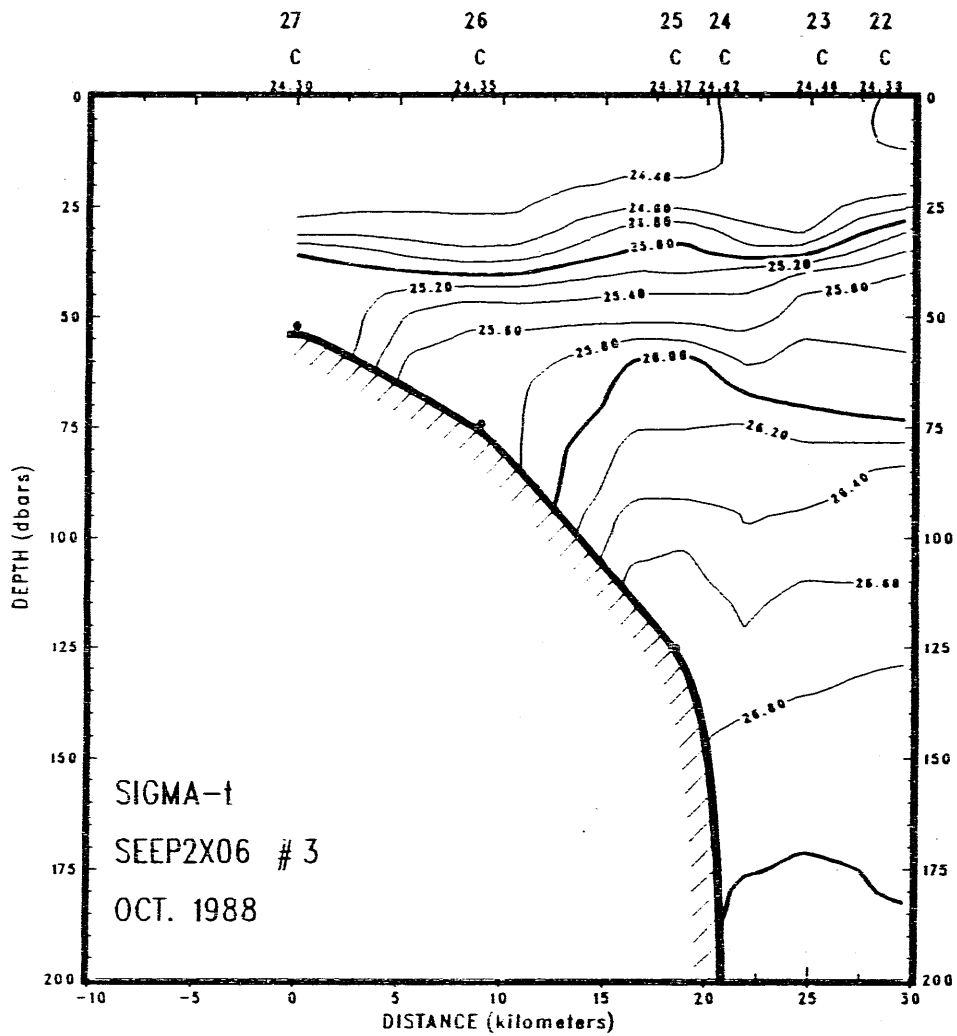
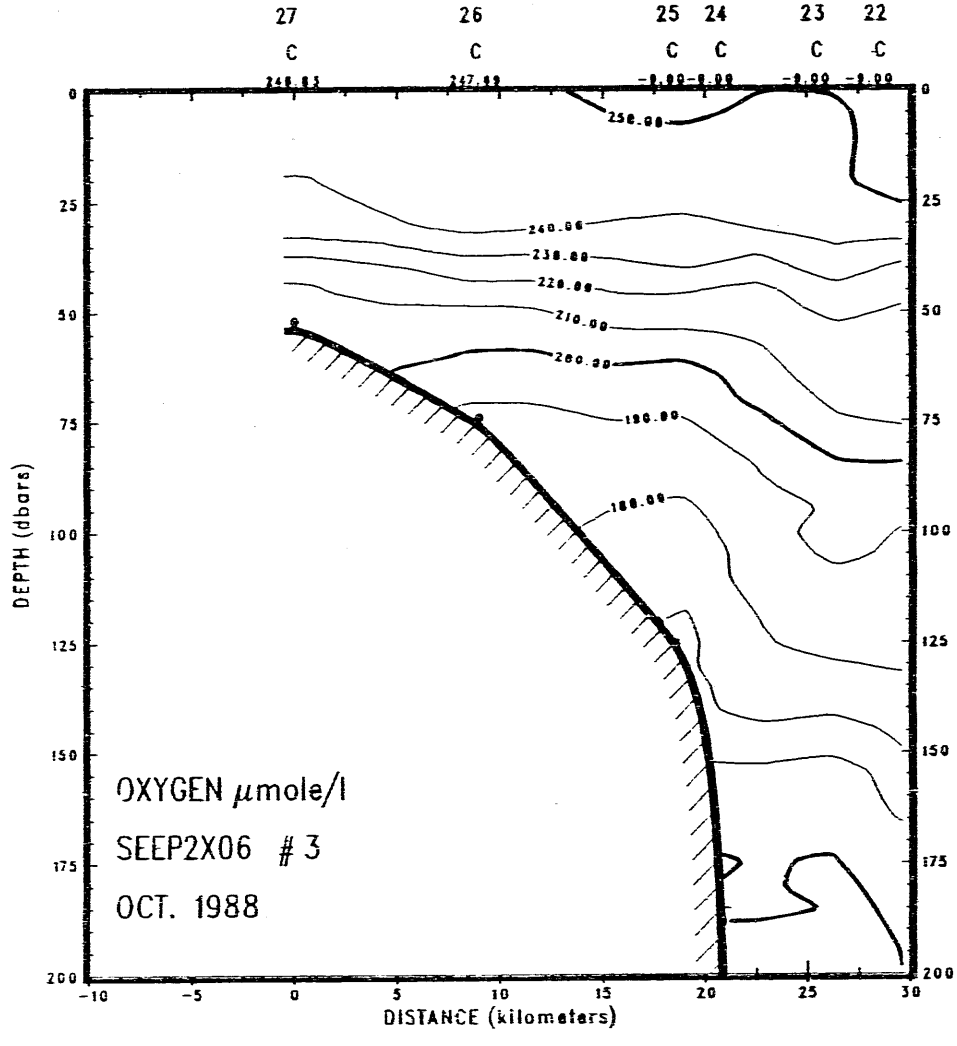


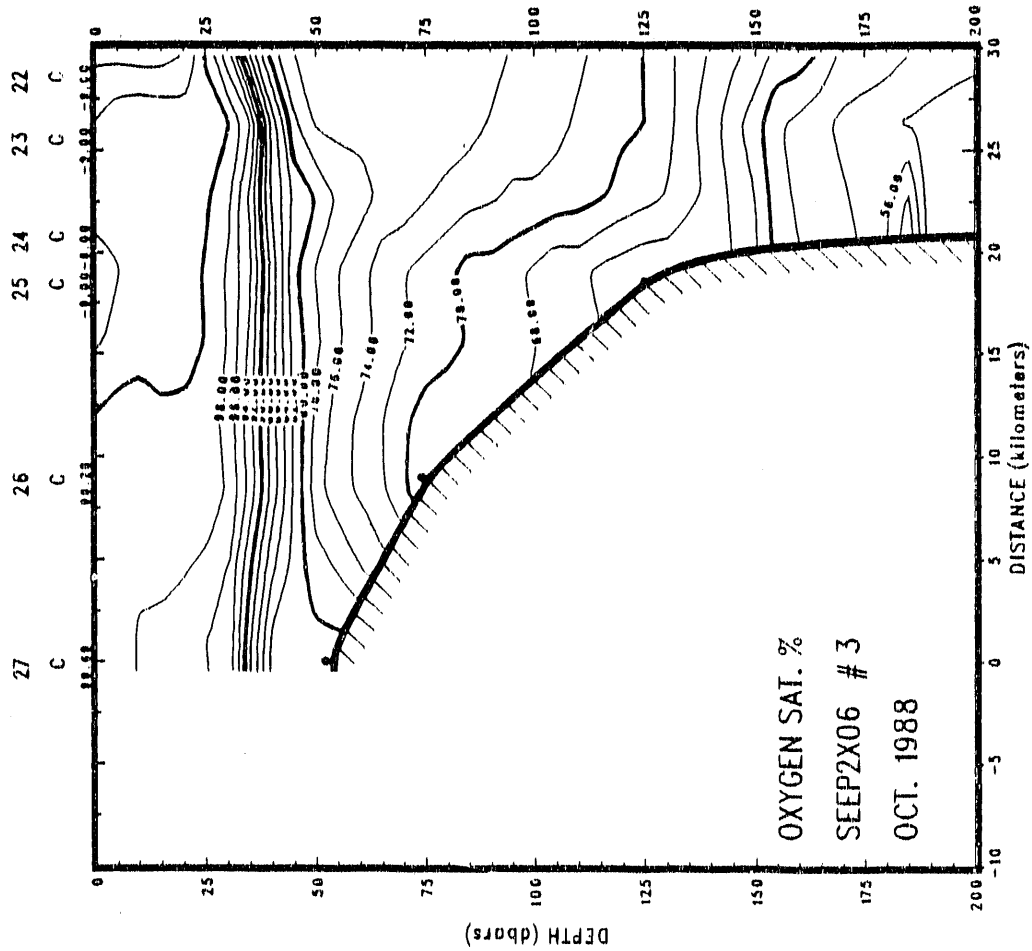
Figure 5. South line (Transect 3) map

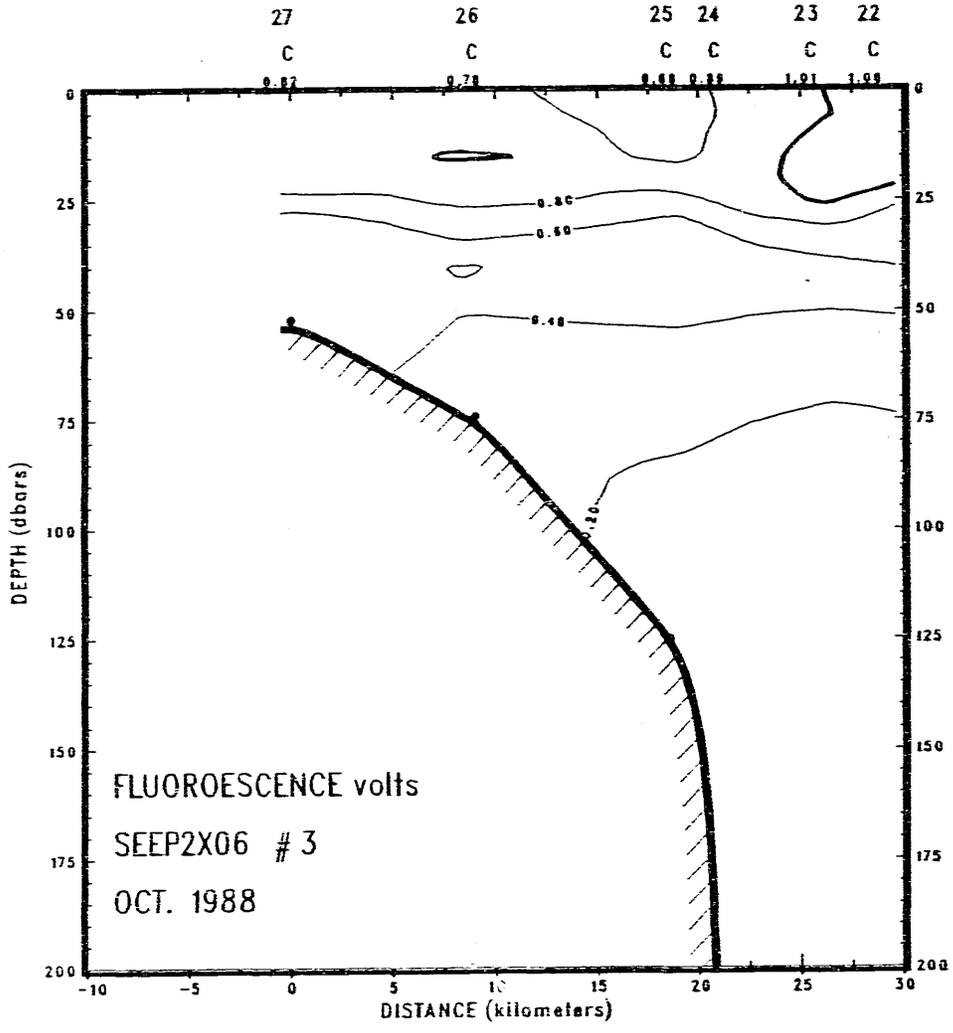

27 C
26 C
25 C
24 C
23 C
22 C
16.00
15.00
14.00
13.00
12.00
TEMPERATURE °C
SEEP2X06 # 3
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)

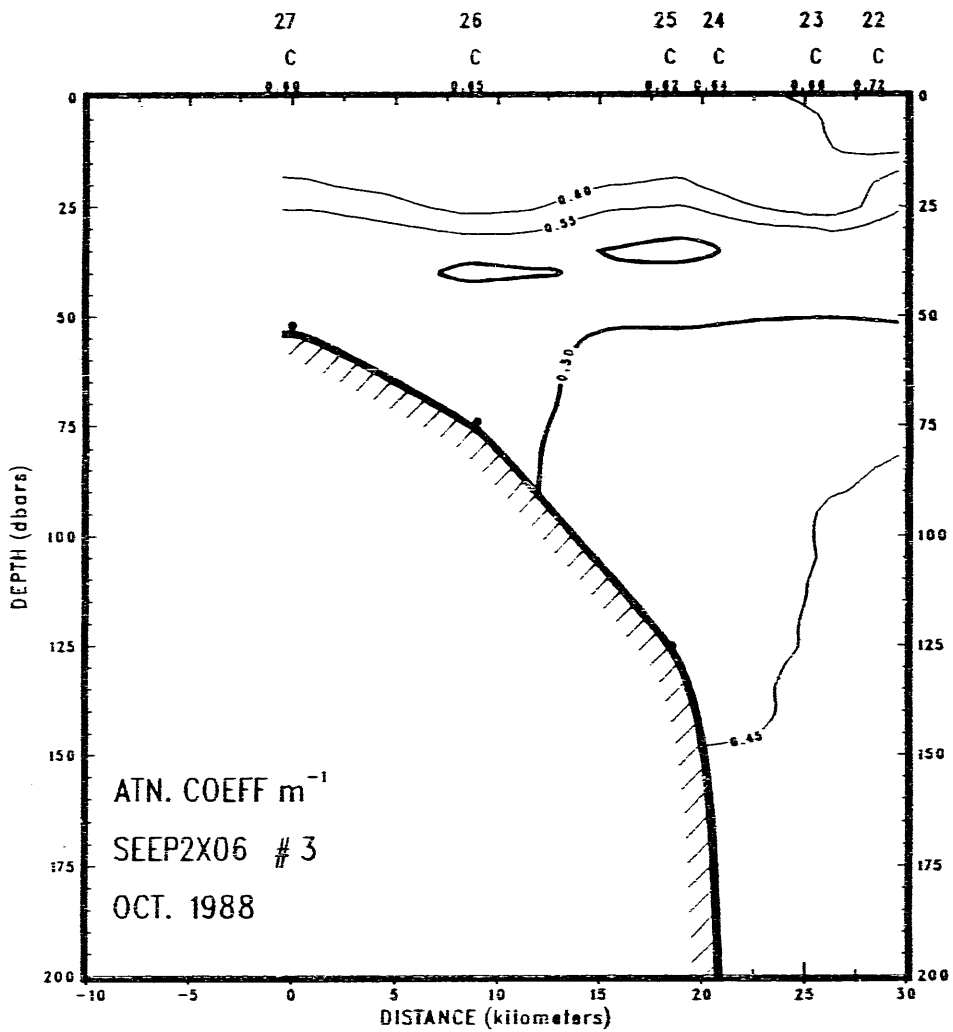

27
C
26
C
25
C
24
C
23
C
22
C
33.37
33.32
33.51
33.57
33.65
33.31
33.40
33.60
33.80
33.60
33.80
34.20
34.00
34.40
34.00
34.50
34.80
35.00
35.40
DEPTH (dbars)
0
25
50
75
100
125
150
175
200
-10
-5
0
5
10
15
20
25
30
DISTANCE (kilometers)
SALINITY psu
SEEP2X06 # 3
OCT. 1988

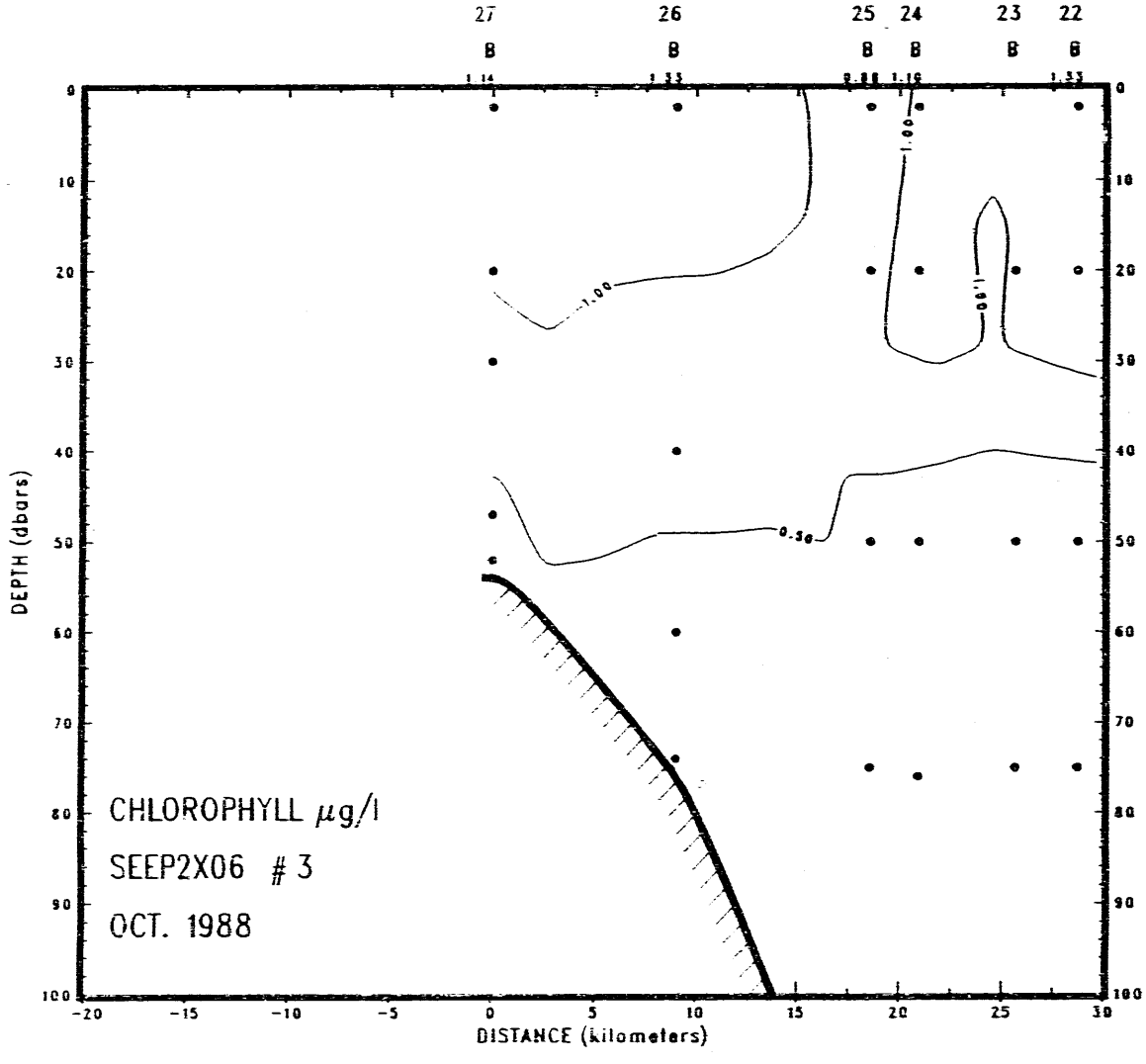

27 C
26 C
25 C
24 C
23 C
22 C
24.39
24.35
24.37
24.42
24.48
24.33
24.48
24.60
24.80
25.00
25.20
25.40
25.60
25.80
26.00
26.20
26.40
26.60
26.80
DEPTH (dbars)
0
25
50
75
100
125
150
175
200
-10
-5
0
5
10
15
20
25
30
DISTANCE (kilometers)
SIGMA-t
SEEP2X06 # 3
OCT. 1988


27
C
26
C
25
C
24
C
23
C
22
C
250.00
240.00
230.00
220.00
210.00
200.00
190.00
180.00
DEPTH (dbars)
OXYGEN μmole/l
SEEP2X06 # 3
OCT. 1988
DISTANCE (kilometers)


OXYGEN SAT. %
SEEP2X06 #3
OCT. 1988
DEPTH (dbars)
DISTANCE (kilometers)


27 C
26 C
25 C
24 C
23 C
22 C
0.82
0.78
0.68
0.88
1.01
1.09
0.60
0.50
0.40
0
25
50
75
100
125
150
175
200
DEPTH (dbars)
-10
-5
0
5
10
15
20
25
30
DISTANCE (kilometers)
FLUOROESCENCE volts
SEEP2X06 # 3
OCT. 1988


27
C
26
C
25
C
24
C
23
C
22
C
0.40
0.55
0.30
0.45
DEPTH (dbars)
0
25
50
75
100
125
150
175
200
-10
-5
0
5
10
15
20
25
30
DISTANCE (kilometers)
ATN. COEFF m^{-1}
SEEP2X06 # 3
OCT. 1988


27
26
25
24
23
22
B
B
B
B
B
B
1.14
1.33
0.88
1.16
1.33
1.00
1.00
1.00
0.50
DEPTH (dbars)
0
10
20
30
40
50
60
70
80
90
100
CHLOROPHYLL µg/l
SEEP2X06 # 3
OCT. 1988
-20
-15
-10
-5
0
5
10
15
20
25
30
DISTANCE (kilometers)

SEEP2X06

CTD DATA

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
1	17 OCT 88	1132	37 53.03	74 43.94	42	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	16.804	32.413	23.576	-------	1.997	1.022
3	16.762	32.479	23.636	270.35	1.888	1.024
4	16.758	32.469	23.630	272.92	1.998	1.021
5	16.756	32.480	23.639	272.89	1.884	1.016
6	16.757	32.492	23.648	272.60	1.922	1.016
7	16.757	32.502	23.655	272.64	1.934	1.013
8	16.757	32.512	23.663	270.42	2.078	1.011
9	16.744	32.518	23.671	270.17	1.993	1.012
10	16.708	32.526	23.685	270.21	1.911	.994
11	16.664	32.546	23.711	267.41	2.109	.937
12	16.674	32.575	23.730	265.59	2.169	.927
13	16.700	32.608	23.750	263.40	1.914	.917
14	16.726	32.636	23.765	263.50	1.941	.907
15	16.730	32.662	23.784	264.74	1.811	.882
16	16.707	32.673	23.798	262.94	1.588	.878
17	16.704	32.682	23.806	261.34	1.585	.873
18	16.695	32.703	23.824	262.47	1.576	.854
19	16.687	32.719	23.838	259.08	1.628	.826
20	16.680	32.730	23.848	256.80	1.866	.788
21	16.676	32.745	23.860	253.84	1.914	.769
22	16.703	32.795	23.893	252.52	1.482	.734
23	16.754	32.838	23.914	251.20	1.381	.699
24	16.772	32.858	23.925	249.05	1.347	.713
25	16.778	32.875	23.937	244.46	1.284	.675
26	16.786	32.888	23.944	244.32	1.237	.673
27	16.794	32.901	23.953	242.99	1.320	.678
28	16.803	32.923	23.968	242.48	1.280	.682
29	16.775	32.936	23.984	241.73	1.314	.689
30	16.325	32.897	24.057	242.65	1.165	.662
31	15.599	32.867	24.198	240.03	1.070	.617
32	15.144	32.958	24.367	236.87	1.061	.642
33	14.944	33.043	24.477	228.84	.910	.644
34	14.028	33.003	24.639	224.08	.881	.642
35	13.521	33.081	24.803	215.98	.892	.639
36	13.402	33.056	24.807	210.73	.797	.641
37	13.307	33.018	24.798	208.60	.759	.660

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
2	17 OCT 88	2241	37 41.91	74 19.90	91	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	16.635	32.885	23.977	257.81	.867	.784
4	16.524	32.882	24.000	258.33	.857	.783
5	16.422	32.900	24.038	256.10	1.006	.776
6	16.288	32.889	24.060	258.60	.886	.753
7	16.152	32.867	24.074	256.82	.895	.740
8	16.096	32.878	24.095	256.91	.968	.743
9	16.086	32.880	24.099	256.18	1.083	.757
10	16.086	32.882	24.101	253.22	1.232	.764
11	16.077	32.883	24.103	251.86	1.136	.767
12	16.028	32.878	24.111	252.29	1.128	.760
13	15.978	32.900	24.139	251.11	1.527	.754
14	15.943	32.939	24.177	248.41	1.776	.759
15	15.935	32.973	24.205	249.08	1.661	.754
16	15.828	33.106	24.330	248.98	1.541	.720
17	15.876	33.209	24.399	247.84	1.581	.687
18	16.000	33.346	24.477	246.45	1.359	.663
19	16.186	33.435	24.502	246.09	1.319	.669
20	16.390	33.564	24.555	244.25	1.451	.663
21	16.508	33.597	24.553	243.35	1.402	.656
22	16.564	33.619	24.558	241.41	1.321	.643
23	16.832	33.833	24.659	239.02	1.225	.618
24	17.243	34.109	24.774	235.08	1.663	.626
25	17.729	34.228	24.748	232.55	1.141	.585
26	17.999	34.394	24.810	229.64	.879	.530
27	17.950	34.370	24.803	228.64	1.110	.520
28	17.682	34.308	24.821	227.01	.671	.506
29	17.282	34.200	24.834	226.23	.583	.494
30	16.656	33.980	24.813	226.01	.555	.495
31	15.897	33.935	24.953	221.64	.530	.488
32	15.728	33.897	24.961	220.81	.561	.488
33	15.443	33.851	24.990	219.61	.825	.490
34	15.104	33.716	24.960	218.66	.591	.495
35	14.554	33.567	24.964	219.45	.725	.509
36	13.760	33.399	25.000	221.66	.688	.521
37	13.388	33.377	25.059	220.44	.735	.533
38	13.218	33.366	25.084	218.36	.742	.536
39	12.461	33.174	25.084	215.88	.714	.536
40	11.807	33.213	25.238	216.94	.711	.535
41	11.616	33.246	25.299	213.43	.685	.553
42	11.354	33.213	25.321	206.83	.673	.533
43	11.274	33.196	25.322	205.78	.737	.531

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	11.152	33.186	25.336	205.81	.699	.530
45	11.099	33.204	25.360	206.14	.638	.530
46	10.799	33.140	25.363	209.69	.611	.528
47	10.598	33.172	25.423	209.66	.616	.528
48	10.558	33.176	25.433	202.54	.593	.526
49	10.489	33.191	25.457	200.73	.589	.527
50	10.433	33.191	25.467	201.65	.582	.523
52	10.001	33.133	25.494	215.98	.531	.518
54	9.794	33.128	25.525	201.48	.532	.520
56	9.499	33.123	25.569	198.44	.477	.515
58	9.556	33.185	25.609	198.47	.445	.503
60	9.447	33.223	25.656	200.75	.404	.496
62	9.531	33.330	25.726	202.50	.342	.496
64	9.812	33.452	25.775	201.82	.365	.472
66	9.945	33.541	25.823	203.09	.306	.470
68	10.974	34.008	26.008	199.48	.234	.453
70	11.389	34.176	26.064	201.64	.210	.436
72	11.410	34.189	26.070	205.98	.210	.437
74	11.579	34.294	26.120	202.36	.188	.436
76	11.758	34.428	26.191	199.50	.161	.429
77	11.859	34.507	26.233	199.83	.161	.434
78	11.939	34.552	26.253	199.86	.157	.433
79	12.007	34.598	26.276	201.73	.156	.433
80	12.093	34.663	26.310	194.64	.164	.443
81	12.105	34.673	26.316	197.01	.204	.448
82	12.109	34.676	26.317	196.91	.245	.448
83	12.112	34.680	26.319	196.75	.203	.452
84	12.113	34.680	26.320	196.74	.193	.454
85	12.113	34.679	26.319	193.53	.195	.456
86	12.114	34.679	26.319	192.12	.178	.452
87	12.115	34.680	26.319	192.27	.190	.453
88	12.116	34.683	26.321	191.52	.249	.454
89	12.117	34.680	26.319	192.42	.200	.454

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
3	18 OCT 88	0422	37 41.99	74 19.47	95	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
5	17.114	33.841	24.599	250.77	.794	.647
6	17.168	33.952	24.671	247.17	.798	.638
7	17.306	34.077	24.734	241.40	.569	.628
8	17.327	34.093	24.741	240.63	.577	.628
9	17.335	34.103	24.747	242.94	.608	.628
10	17.415	34.150	24.764	242.06	.596	.620
11	17.645	34.375	24.881	237.63	.507	.594
12	17.758	34.448	24.910	239.47	.559	.572
13	17.787	34.468	24.918	241.91	.663	.564
14	17.923	34.586	24.975	243.82	.615	.545
15	17.981	34.600	24.972	240.56	.685	.538
16	17.913	34.573	24.968	237.52	.728	.541
17	17.867	34.565	24.972	239.14	.744	.541
18	17.813	34.553	24.976	241.12	------	.541
19	17.729	34.530	24.980	243.35	.835	.541
20	17.458	34.445	24.980	242.77	.808	.523
21	17.088	34.374	25.014	240.67	.700	.509
22	16.550	34.211	25.015	238.21	.599	.496
23	16.224	34.278	25.142	233.94	.603	.498
24	15.854	34.160	25.136	227.14	.549	.488
25	15.693	34.177	25.185	226.81	.556	.485
26	15.500	34.128	25.190	228.71	.536	.482
27	15.258	34.124	25.241	229.02	.495	.481
28	14.996	34.048	25.240	225.63	.534	.481
29	14.352	33.791	25.180	228.77	.543	.481
30	13.643	33.800	25.334	228.20	.446	.480
31	13.371	33.819	25.404	225.37	.428	.479
32	12.916	33.727	25.424	219.36	.399	.475
33	12.333	33.598	25.438	220.55	.389	.477
34	11.202	33.205	25.343	222.67	.402	.485
35	9.945	33.146	25.514	223.54	.427	.500
36	9.818	33.239	25.608	215.28	.403	.493
37	9.743	33.204	25.593	209.14	.425	.498
38	9.486	33.123	25.572	209.86	.417	.499
39	9.337	33.164	25.627	208.31	.393	.494
40	9.293	33.168	25.638	205.17	.421	.500
41	9.326	33.199	25.657	204.82	.410	.496
42	9.445	33.270	25.693	204.10	.356	.492
43	9.670	33.388	25.749	202.34	.337	.485
44	9.732	33.413	25.758	203.47	.302	.481
45	9.775	33.422	25.758	203.15	.317	.485

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
46	9.810	33.438	25.764	206.93	.325	.483
47	9.846	33.449	25.767	207.47	.343	.476
48	9.858	33.446	25.763	208.27	.335	.478
49	9.886	33.461	25.770	207.68	.316	.477
50	9.912	33.469	25.772	207.73	.314	.474
52	9.980	33.494	25.780	206.90	.331	.480
54	10.091	33.577	25.826	207.45	.320	.474
56	10.627	33.750	25.868	206.22	.287	.454
58	10.673	33.764	25.872	213.97	.280	.453
60	10.864	34.067	26.074	207.67	.261	.451
62	11.059	34.097	26.062	203.95	.194	.441
64	11.100	34.127	26.078	202.41	.189	.438
66	11.186	34.196	26.116	200.20	.179	.437
68	11.374	34.323	26.181	201.20	.164	.434
70	11.630	34.468	26.247	203.50	.162	.435
72	12.029	34.602	26.275	197.49	.145	.433
74	12.132	34.644	26.288	196.29	.139	.429
76	12.162	34.653	26.289	199.06	.154	.429
78	12.190	34.667	26.294	197.83	.207	.430
80	12.203	34.676	26.299	200.29	.142	.434
81	12.253	34.712	26.317	199.47	.152	.433
82	12.394	34.808	26.365	198.79	.141	.435
83	12.445	34.832	26.373	199.45	.163	.434
84	12.519	34.869	26.387	197.48	.143	.436
85	12.558	34.904	26.407	193.61	.138	.437
86	12.561	34.911	26.412	196.54	.147	.437
87	12.579	34.925	26.419	198.68	.143	.440
88	12.624	34.961	26.438	195.77	.136	.440
89	12.618	34.964	26.441	197.22	.137	.440
90	12.609	34.965	26.444	195.75	.137	.441
91	12.605	34.966	26.446	198.02	.154	.441

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
4	18 OCT 88	0740	37 15.96	74 32.84	108	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
4	17.368	33.260	24.093	249.28	.671	.665
5	17.359	33.261	24.096	247.15	.721	.666
6	17.347	33.260	24.098	245.60	.725	.667
7	17.322	33.260	24.104	247.97	.731	.667
8	17.261	33.263	24.121	248.14	.711	.669
9	17.156	33.269	24.150	244.94	.756	.675
10	17.099	33.293	24.182	241.07	.894	.683
11	17.102	33.304	24.190	240.42	.885	.666
12	17.077	33.307	24.198	240.48	.836	.646
13	17.074	33.320	24.209	240.25	.905	.644
14	17.077	33.327	24.213	240.30	.931	.632
15	17.076	33.330	24.216	239.62	.942	.627
16	17.066	33.328	24.217	237.50	.966	.630
17	17.045	33.326	24.220	232.13	1.025	.631
18	16.997	33.313	24.221	225.10	1.195	.669
19	16.944	33.312	24.233	227.93	1.320	.670
20	16.887	33.309	24.244	231.47	1.570	.696
21	16.746	33.289	24.261	233.17	1.573	.687
22	16.618	33.321	24.316	231.06	1.397	.674
23	16.614	33.340	24.332	229.67	1.355	.657
24	16.639	33.375	24.352	230.02	1.288	.647
25	16.680	33.413	24.372	231.37	1.222	.630
26	16.346	33.370	24.416	235.99	1.171	.619
27	16.063	33.337	24.455	235.18	1.124	.603
28	15.739	33.323	24.518	233.58	1.020	.597
29	15.401	33.334	24.601	229.36	.893	.563
30	15.303	33.427	24.694	225.36	.787	.539
31	15.378	33.562	24.781	218.95	.745	.540
32	15.362	33.653	24.855	218.23	.733	.524
33	15.098	33.652	24.912	219.27	.760	.530
34	14.801	33.624	24.955	220.37	.794	.531
35	14.462	33.599	25.009	222.21	.821	.535
36	13.357	33.470	25.137	223.99	.854	.541
37	12.436	33.227	25.130	225.47	.839	.536
38	11.630	33.210	25.268	225.98	.810	.536
39	11.254	33.304	25.410	220.63	.775	.537
40	11.043	33.279	25.428	216.36	.776	.530
41	10.806	33.228	25.431	214.74	.770	.529
42	10.653	33.219	25.450	214.39	.735	.527
43	10.467	33.217	25.481	211.42	.701	.523
44	10.045	33.111	25.470	211.26	.669	.520

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
45	9.864	33.117	25.505	211.34	.649	.520
46	9.620	33.129	25.555	209.74	.649	.520
47	9.563	33.129	25.564	207.94	.671	.515
48	9.562	33.141	25.573	204.71	.639	.514
49	9.659	33.199	25.602	205.10	.553	.510
50	9.795	33.292	25.653	203.15	.538	.510
52	10.181	33.354	25.636	207.51	.644	.504
54	9.793	33.302	25.661	212.64	.591	.493
56	9.479	33.310	25.719	213.78	.457	.483
58	9.630	33.405	25.768	216.33	.385	.480
60	10.417	33.776	25.925	205.39	.347	.463
62	10.885	33.843	25.895	206.70	.321	.455
64	10.972	33.884	25.912	206.61	.294	.454
66	11.114	33.945	25.934	205.83	.286	.449
68	11.304	34.027	25.963	204.67	.276	.447
70	11.734	34.199	26.017	203.39	.276	.443
72	12.342	34.419	26.073	199.89	.261	.443
74	12.846	34.629	26.137	195.93	.225	.436
76	13.390	35.068	26.367	190.99	.200	.442
78	13.513	35.115	26.379	182.80	.169	.442
80	13.794	35.247	26.422	180.58	.155	.440
82	13.789	35.267	26.439	177.55	.154	.438
84	13.683	35.246	26.445	178.49	.153	.433
86	13.518	35.244	26.477	180.70	.134	.429
88	13.516	35.251	26.483	185.02	.134	.429
90	13.415	35.263	26.513	182.69	.131	.428
92	13.520	35.314	26.531	181.11	.142	.429
93	13.580	35.343	26.541	180.90	.131	.429
94	13.603	35.349	26.541	180.92	.121	.429
95	13.656	35.374	26.549	180.68	.125	.429
96	13.678	35.381	26.550	180.69	.119	.429
97	13.688	35.391	26.555	180.37	.126	.429
98	13.687	35.394	26.558	180.93	.130	.430
99	13.687	35.399	26.562	181.54	.121	.429
100	13.656	35.422	26.586	177.26	.120	.429
101	13.639	35.434	26.599	177.35	.113	.429
102	13.646	35.441	26.603	178.58	.118	.432
103	13.624	35.454	26.618	177.34	.100	.430
104	13.536	35.472	26.650	174.51	.110	.426
105	13.399	35.468	26.675	174.36	.100	.422
106	13.391	35.487	26.691	175.10	.109	.421

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
5	18 OCT 88	1203	36 53.03	74 38.62	190	-----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	17.048	33.472	24.332	--------	.411	.601
3	17.028	33.472	24.336	229.66	.441	.598
4	17.027	33.470	24.335	293.61	.450	.595
5	17.028	33.471	24.336	248.53	.439	.595
6	17.020	33.466	24.334	242.71	.460	.592
7	17.016	33.478	24.344	245.74	.475	.591
8	17.041	33.505	24.359	245.55	.498	.592
9	17.058	33.519	24.365	244.57	.467	.590
10	17.082	33.549	24.383	242.75	.493	.590
11	17.215	33.696	24.464	238.56	.482	.575
12	17.355	33.789	24.502	236.74	.765	.556
13	17.448	33.853	24.528	234.61	.506	.541
14	17.471	33.869	24.535	235.37	.512	.541
15	17.482	33.904	24.560	236.58	.510	.539
16	17.494	33.939	24.584	237.33	.609	.532
17	17.498	33.956	24.596	239.37	.713	.529
18	17.494	33.978	24.613	240.70	.635	.531
19	17.477	34.037	24.662	239.05	.647	.531
20	17.497	34.113	24.716	239.25	.682	.523
21	17.717	34.296	24.803	238.22	.620	.521
22	18.147	34.624	24.949	235.79	.620	.511
23	18.707	35.009	25.104	232.64	.555	.504
24	19.075	35.066	25.054	231.33	.605	.504
25	19.269	35.148	25.066	227.36	.621	.499
26	19.126	34.972	24.969	227.91	.558	.499
27	18.304	34.803	25.047	230.00	.545	.504
28	15.969	33.933	24.935	225.31	.782	.524
29	13.756	33.243	24.880	234.56	.698	.542
30	12.009	33.130	25.136	238.40	.695	.534
31	10.975	33.180	25.363	226.30	.653	.525
32	10.018	33.090	25.458	225.07	.583	.514
33	9.715	33.125	25.535	221.08	.528	.508
34	9.551	33.141	25.575	215.50	.483	.507
35	9.499	33.140	25.583	209.55	.433	.504
36	9.518	33.180	25.611	203.88	.448	.507
37	9.564	33.200	25.619	202.13	.459	.507
38	9.663	33.255	25.646	208.75	.497	.505
39	9.591	33.240	25.646	211.32	.498	.503
40	9.539	33.248	25.661	210.27	.487	.503
41	9.531	33.260	25.671	210.16	.455	.503
42	9.556	33.267	25.673	208.36	.455	.501

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	9.559	33.269	25.674	207.37	.438	.500
44	9.553	33.273	25.678	206.91	.439	.500
45	9.558	33.277	25.680	206.78	.434	.499
46	9.558	33.289	25.690	206.53	.424	.496
47	9.462	33.259	25.681	207.06	.419	.491
48	9.373	33.264	25.700	207.15	.387	.491
49	9.341	33.296	25.730	207.64	.372	.488
50	9.373	33.328	25.750	203.77	.377	.483

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
6	18 OCT 88	2301	37 35.47	74 5.34	1325	-----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	18.568	34.627	24.846	-------	.222	.538
3	18.571	34.626	24.845	241.23	.222	.514
4	18.572	34.628	24.846	240.90	.227	.510
5	18.582	34.634	24.849	238.97	.220	.503
6	18.585	34.636	24.849	237.51	.217	.500
7	18.584	34.638	24.851	236.13	.231	.500
8	18.586	34.639	24.851	236.20	.234	.500
9	18.590	34.643	24.853	236.43	.231	.500
10	18.597	34.644	24.852	237.84	.227	.499
11	18.591	34.641	24.851	238.23	.228	.500
12	18.601	34.645	24.852	239.09	.223	.500
13	18.602	34.646	24.852	238.60	.238	.499
14	18.599	34.645	24.852	237.89	.226	.500
15	18.597	34.643	24.852	236.95	.225	.499
16	18.604	34.652	24.856	237.08	.224	.500
17	18.602	34.642	24.849	237.04	.224	.499
18	18.600	34.644	24.851	238.74	.230	.499
19	18.610	34.655	24.858	238.45	.229	.499
20	18.625	34.663	24.859	237.69	.230	.498
21	18.630	34.661	24.857	236.76	.238	.498
22	18.628	34.661	24.857	235.44	.237	.498
23	18.634	34.669	24.862	235.50	.230	.497
24	18.642	34.672	24.862	237.31	.235	.496
25	18.646	34.677	24.865	237.94	.235	.496
26	18.667	34.710	24.885	236.54	.239	.493
27	18.668	34.696	24.874	237.15	.244	.494
28	18.685	34.720	24.888	237.66	.243	.493
29	18.695	34.715	24.882	236.70	.241	.493
30	18.696	34.715	24.881	233.65	.240	.492
31	18.704	34.731	24.892	232.25	.242	.491
32	18.773	34.819	24.941	231.69	.244	.488
33	18.798	34.812	24.930	231.53	.247	.487
34	18.782	34.804	24.928	231.96	.264	.487
35	18.770	34.808	24.934	231.95	.267	.488
36	18.787	34.823	24.941	231.98	.287	.489
37	18.831	34.848	24.949	231.14	.303	.490
38	18.930	34.918	24.978	228.82	.328	.492
39	19.024	34.983	25.003	228.32	.341	.494
40	19.299	35.155	25.064	225.97	.345	.498
41	19.340	35.140	25.042	225.88	.349	.498
42	19.279	35.101	25.028	227.23	.346	.494

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	19.277	35.159	25.073	227.19	.340	.492
44	19.147	35.110	25.069	227.93	.351	.492
45	19.099	35.160	25.119	228.58	.366	.491
46	19.179	35.246	25.164	228.51	.379	.490
47	19.238	35.283	25.177	228.65	.390	.490
48	19.284	35.302	25.180	228.72	.397	.490
49	19.343	35.362	25.211	227.39	.421	.495
50	19.340	35.347	25.201	227.21	.505	.504
52	19.078	35.269	25.208	226.32	.591	.505
54	17.834	34.695	25.080	228.43	.666	.512
56	14.507	34.364	25.589	233.60	.627	.510
58	13.297	34.123	25.655	230.10	.578	.496
60	12.829	34.118	25.744	224.70	.534	.494
62	12.560	34.120	25.798	221.90	.506	.487
64	12.654	34.328	25.942	219.25	.412	.474
66	12.756	34.374	25.957	215.51	.371	.464
68	13.324	34.889	26.242	212.46	.303	.451
70	13.486	34.832	26.165	208.31	.286	.447
72	13.283	34.827	26.202	206.65	.273	.446
74	13.475	35.001	26.298	203.92	.253	.443
76	13.721	35.098	26.322	199.61	.260	.442
78	13.885	35.096	26.287	198.81	.293	.442
80	13.957	35.137	26.303	196.28	.308	.440
82	14.315	35.326	26.373	194.65	.328	.438
84	14.586	35.382	26.358	192.53	.325	.433
86	14.495	35.391	26.384	191.53	.303	.475
88	14.481	35.414	26.405	187.73	.289	.429
90	14.445	35.417	26.415	185.85	.277	.428
92	14.363	35.428	26.441	186.43	.253	.426
94	14.495	35.539	26.499	183.33	.234	.422
96	15.065	35.902	26.654	176.58	.220	.417
98	15.303	35.885	26.588	171.38	.200	.416
100	15.402	35.943	26.611	162.24	.196	.416
102	15.361	35.934	26.612	157.17	.192	.415
104	15.132	35.926	26.658	154.81	.173	.413
106	14.985	35.896	26.667	153.53	.161	.413
108	14.763	35.835	26.669	153.28	.148	.411
110	14.377	35.766	26.699	152.79	.139	.408
112	14.204	35.763	26.734	152.10	.111	.407
114	14.134	35.766	26.752	151.27	.105	.407
116	14.111	35.767	26.757	151.44	.104	.407
118	13.990	35.738	26.760	151.05	.101	.406
120	13.845	35.716	26.774	150.01	.091	.398
122	13.763	35.718	26.793	149.65	.091	.405
124	13.648	35.700	26.803	149.59	.088	.405
126	13.520	35.690	26.822	150.20	.084	.406
128	13.491	35.691	26.829	149.83	.083	.406
130	13.444	35.674	26.825	151.10	.078	.406
132	13.391	35.702	26.858	149.96	.081	.407
134	13.287	35.657	26.844	148.96	.083	.407
136	13.237	35.675	26.869	147.21	.081	.407

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	13.244	35.679	26.870	146.46	.078	.407
140	13.216	35.668	26.868	144.70	.073	.408
142	13.150	35.644	26.862	143.21	.073	.407
144	13.035	35.637	26.880	144.87	.074	.406
146	12.908	35.610	26.885	145.66	.071	.406
148	12.777	35.602	26.905	145.46	.069	.405
150	12.712	35.606	26.921	145.09	.073	.405
155	12.714	35.619	26.931	141.92	.070	.404
160	12.565	35.586	26.935	142.52	.069	.404
165	12.368	35.549	26.945	140.96	.068	.405
170	11.993	35.496	26.976	141.70	.065	.405
175	11.648	35.451	27.007	143.00	.064	.405
180	11.399	35.427	27.036	142.70	.067	.405
185	11.193	35.401	27.053	142.50	.066	.405
190	10.952	35.354	27.061	142.95	.065	.405
195	10.679	35.337	27.097	141.40	.067	.404
200	10.458	35.310	27.114	141.00	.067	.403
205	10.411	35.310	27.123	141.15	.064	.403
210	10.374	35.302	27.124	141.76	.063	.404
215	10.155	35.278	27.143	140.54	.067	.404
220	9.977	35.254	27.155	141.92	.065	.404
225	9.839	35.240	27.167	139.96	.063	.404
230	9.662	35.214	27.177	139.45	.064	.404
235	9.409	35.187	27.198	143.41	.065	.404
240	9.295	35.176	27.209	142.36	.068	.404
245	9.172	35.176	27.229	143.34	.067	.405
250	9.081	35.164	27.234	142.89	.065	.404
255	9.029	35.163	27.242	144.29	.065	.404
260	8.916	35.149	27.248	143.02	.065	.405
265	8.857	35.143	27.253	144.65	.068	.404
270	8.737	35.135	27.266	144.68	.065	.406
275	8.653	35.115	27.264	145.35	.069	.405
280	8.501	35.115	27.287	147.56	.063	.406
285	8.408	35.066	27.263	150.46	.066	.406
290	8.224	35.089	27.310	152.07	.064	.406
295	8.164	35.097	27.326	154.53	.064	.402
300	8.095	35.096	27.335	155.46	.063	.405
310	7.820	35.074	27.360	158.09	.064	.407
320	7.705	35.071	27.374	161.34	.061	.407
330	7.623	35.073	27.387	164.63	.060	.406
340	7.547	35.075	27.400	168.44	.063	.405
350	7.427	35.069	27.413	173.49	.062	.405
360	7.169	35.054	27.438	176.54	.061	.404
370	6.965	35.054	27.467	182.97	.063	.404
380	6.876	35.051	27.476	187.29	.058	.403
390	6.728	35.043	27.490	189.92	.060	.404
400	6.546	35.032	27.506	192.37	.060	.404
410	6.382	35.031	27.527	199.66	.061	.405
420	6.259	35.024	27.539	200.93	.058	.404
430	6.210	35.027	27.547	204.21	.059	.404
440	6.070	35.013	27.554	206.91	.059	.404

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF: 1/METER
450	5.963	35.018	27.572	211.77	.056	.404
460	5.885	35.020	27.584	213.93	.059	.404
470	5.814	35.020	27.592	216.41	.059	.403
480	5.773	35.017	27.595	217.34	.058	.403
490	5.744	35.015	27.597	218.24	.058	.402
500	5.658	35.013	27.606	218.23	.061	.403
510	5.603	35.011	27.612	219.59	.054	.404
520	5.532	35.003	27.614	220.25	.059	.404
530	5.433	35.007	27.630	223.72	.058	.405
540	5.389	35.006	27.634	224.77	.055	.403
550	5.341	35.006	27.640	223.10	.059	.400
560	5.316	35.008	27.645	225.11	.052	.399
570	5.245	35.007	27.652	226.06	.055	.398
580	5.200	35.003	27.654	227.48	.050	.398
590	5.177	35.000	27.655	237.83	.058	.397
600	5.001	34.986	27.665	240.94	.056	.396
610	4.973	34.984	27.666	242.56	.056	.397
620	4.925	34.982	27.670	246.76	.054	.395
630	4.877	34.970	27.666	253.26	.060	.540
640	4.845	34.976	27.675	250.69	.055	.395
650	4.823	34.980	27.680	251.01	.055	.396
660	4.819	34.983	27.683	252.09	.056	.397
670	4.804	34.983	27.685	251.25	.053	.395
680	4.788	34.983	27.686	253.03	.056	.398
690	4.746	34.980	27.689	253.26	.052	.402
700	4.717	34.980	27.692	254.08	.056	.403
710	4.691	34.979	27.694	254.41	.055	.405
720	4.661	34.977	27.696	255.00	.052	.412
730	4.655	34.977	27.697	253.77	.054	.412
740	4.635	34.976	27.698	253.92	.055	.409
750	4.609	34.977	27.702	254.08	.053	.407
760	4.602	34.976	27.702	252.98	.057	.406
770	4.589	34.977	27.704	254.42	.055	.405
780	4.544	34.974	27.707	255.86	.053	.404
790	4.533	34.973	27.707	256.28	.050	.404
800	4.530	34.976	27.710	256.63	.053	.400
810	4.528	34.978	27.711	255.36	.055	.398
820	4.518	34.977	27.712	255.72	.054	.398
830	4.491	34.972	27.711	258.25	.050	.408
840	4.489	34.974	27.713	256.80	.052	.408
850	4.482	34.974	27.714	255.52	.054	.407
860	4.448	34.971	27.715	256.38	.054	.409
870	4.430	34.969	27.716	257.54	.055	.406
880	4.425	34.971	27.717	258.01	.055	.407
890	4.422	34.971	27.718	255.86	.053	.408
900	4.402	34.970	27.719	258.24	.052	.404
910	4.398	34.970	27.720	256.76	.055	.404
920	4.398	34.969	27.719	259.14	.049	.404
930	4.397	34.970	27.720	257.16	.054	.404
940	4.385	34.969	27.721	258.18	.053	.399
950	4.378	34.969	27.721	258.57	.051	.401

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
960	4.373	34.970	27.722	258.06	.050	.402
970	4.366	34.969	27.723	256.76	.052	.402
980	4.357	34.968	27.723	259.13	.051	.404
990	4.351	34.968	27.723	258.44	.049	.403
1000	4.344	34.967	27.723	256.68	.048	.404
1010	4.325	34.967	27.725	259.97	.053	.404
1020	4.325	34.967	27.726	264.83	.052	.404
1030	4.315	34.966	27.726	264.16	.049	.404
1040	4.308	34.966	27.726	269.94	.052	.404
1050	4.301	34.966	27.727	271.82	.050	.403
1060	4.286	34.966	27.729	270.52	.052	.401
1070	4.278	34.965	27.729	272.95	.051	.399
1080	4.271	34.965	27.729	271.56	.052	.398
1090	4.267	34.965	27.730	272.23	.048	.398
1100	4.260	34.965	27.731	272.12	.048	.397
1110	4.256	34.964	27.731	272.08	.050	.395
1120	4.248	34.964	27.731	272.09	.049	.395
1130	4.243	34.964	27.732	272.67	.050	.397
1140	4.231	34.963	27.732	272.25	.044	.399
1150	4.228	34.963	27.733	270.66	.049	.402
1160	4.222	34.963	27.733	270.39	.049	.402
1170	4.215	34.962	27.733	273.06	.049	.400
1180	4.207	34.963	27.735	272.91	.049	.399
1190	4.201	34.962	27.735	273.46	.048	.400
1200	4.192	34.962	27.736	275.65	.049	.398
1210	4.188	34.961	27.735	274.39	.051	.394
1220	4.181	34.961	27.736	274.73	.043	.394
1230	4.184	34.962	27.737	274.01	.049	.397
1240	4.182	34.962	27.737	275.71	.047	.396
1250	4.181	34.963	27.737	273.86	.050	.396
1260	4.173	34.960	27.736	274.34	.048	.396
1270	4.140	34.959	27.739	275.38	.049	.395
1280	4.113	34.958	27.741	274.83	.046	.394
1290	4.102	34.959	27.743	276.82	.049	.395
1300	4.097	34.959	27.744	271.99	.046	.394
1310	4.086	34.957	27.743	275.84	.046	.395
1311	4.083	34.958	27.744	277.09	.045	.394
1312	4.082	34.957	27.744	275.60	.048	.395
1313	4.079	34.957	27.744	275.58	.046	.395
1314	4.071	34.956	27.744	276.01	.050	.395
1315	4.065	34.957	27.745	276.70	.047	.395
1316	4.060	34.957	27.746	276.11	.048	.396
1317	4.051	34.957	27.747	274.76	.047	.396
1318	4.049	34.957	27.747	274.30	.047	.397
1319	4.049	34.957	27.747	275.81	.047	.398
1320	4.047	34.957	27.747	276.93	.048	.396
1321	4.045	34.958	27.748	275.33	.046	.418
1322	4.044	34.957	27.747	270.18	.049	.397

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
7	19 OCT 88	0143	37 37.08	74 9.67	1080	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	17.242	33.803	24.539	-------	.683	.628
3	17.246	33.808	24.542	249.75	.566	.643
4	17.265	33.824	24.550	255.82	.778	.643
5	17.242	33.802	24.538	251.83	.829	.633
6	17.244	33.811	24.545	249.71	.701	.633
7	17.235	33.800	24.539	249.11	.641	.628
8	17.233	33.803	24.542	249.47	.653	.630
9	17.233	33.802	24.541	248.82	.597	.631
10	17.233	33.802	24.541	247.25	.573	.631
11	17.232	33.803	24.542	247.05	.635	.630
12	17.416	34.105	24.729	246.55	.767	.632
13	18.167	34.657	24.96[illegible]	243.36	.580	.621
14	18.614	34.937	25.072	241.32	.490	.536
15	18.704	34.892	25.015	241.47	.471	.533
16	18.666	34.873	25.010	238.89	.527	.542
17	18.699	34.903	25.024	237.94	.560	.548
18	18.748	34.923	25.028	238.17	.544	.537
19	18.761	34.928	25.028	237.23	.549	.539
20	18.733	34.918	25.027	235.78	.583	.540
21	18.685	34.912	25.035	233.86	.656	.543
22	18.658	34.934	25.059	232.14	.751	.545
23	18.589	34.904	25.053	231.58	.768	.551
24	18.279	34.736	25.002	232.40	.809	.552
25	17.799	34.619	25.030	234.12	.817	.548
26	17.360	34.610	25.130	235.29	.783	.538
27	16.736	34.399	25.116	236.83	.752	.536
28	15.686	34.409	25.365	237.33	.733	.537
29	14.789	34.264	25.451	234.65	.762	.531
30	14.188	34.056	25.419	229.56	.697	.518
31	13.132	33.553	25.246	233.70	.671	.514
32	11.699	33.329	25.348	240.72	.630	.500
33	11.149	33.466	25.555	237.79	.570	.492
34	10.772	33.548	25.686	234.93	.534	.494
35	10.502	33.617	25.787	233.18	.475	.487
36	10.279	33.552	25.774	229.7	.432	.472
37	10.244	33.594	25.813	227.3	.406	.469
38	10.190	33.602	25.828	228.27	.386	.466
39	10.186	33.626	25.848	225.93	.366	.463
40	10.178	33.646	25.865	229.44	.362	.456
41	10.190	33.689	25.896	227.32	.323	.452
42	10.204	33.696	25.900	228.78	.298	.455

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	10.243	33.718	25.910	225.63	.288	.456
44	10.267	33.725	25.911	220.83	.294	.459
45	10.284	33.728	25.911	220.77	.291	.458
46	10.299	33.737	25.915	220.59	.289	.458
47	10.327	33.755	25.924	219.76	.291	.456
48	10.339	33.760	25.927	219.39	.278	.455
49	10.290	33.754	25.930	219.11	.261	.451
50	10.322	33.807	25.966	217.30	.241	.450
52	10.419	33.835	25.971	217.04	.227	.448
54	10.560	33.911	26.006	213.11	.202	.445
56	10.621	33.938	26.016	212.50	.199	.443
58	10.818	34.013	26.040	212.17	.196	.438
60	10.873	34.015	26.032	209.45	.186	.437
62	10.981	34.053	26.042	207.67	.184	.433
64	11.153	34.148	26.085	207.32	.187	.437
66	11.154	34.146	26.083	205.92	.173	.434
68	11.290	34.254	26.142	204.63	.151	.425
70	11.472	34.348	26.182	203.07	.140	.424
72	11.765	34.449	26.206	202.31	.157	.445
74	11.870	34.471	26.204	201.55	.169	.454
76	11.889	34.477	26.205	199.57	.164	.454
78	11.981	34.544	26.239	198.84	.165	.456
80	12.042	34.575	26.251	198.14	.159	.453
82	12.074	34.590	26.257	197.31	.148	.448
84	12.044	34.592	26.264	196.98	.143	.450
86	12.052	34.606	26.273	195.00	.148	.449
88	12.067	34.616	26.279	196.22	.144	.447
90	12.141	34.661	26.300	195.50	.138	.443
92	12.217	34.697	26.313	194.62	.132	.441
94	12.294	34.753	26.342	194.43	.134	.438
96	12.323	34.754	26.336	193.99	.125	.438
98	12.353	34.782	26.352	193.38	.127	.439
100	12.407	34.807	26.361	193.56	.131	.440
102	12.499	34.842	26.370	192.81	.125	.438
104	12.553	34.849	26.365	192.50	.127	.439
106	13.179	35.122	26.452	188.46	.131	.433
114	13.369	35.270	26.528	185.50	.123	.428
116	13.140	35.227	26.541	185.70	.115	.427
118	13.029	35.244	26.577	187.07	.116	.426
120	12.984	35.301	26.630	184.63	.100	.423
122	12.980	35.365	26.680	183.25	.093	.423
124	13.084	35.517	26.777	182.86	.087	.420
126	13.102	35.522	26.778	182.20	.082	.417
128	13.084	35.533	26.790	178.13	.072	.413
130	13.042	35.529	26.795	178.03	.072	.413
132	12.998	35.530	26.805	178.79	.076	.412
134	12.879	35.526	26.826	176.88	.074	.413
136	12.779	35.521	26.841	174.43	.069	.414
138	12.606	35.486	26.849	172.14	.067	.421
140	12.464	35.473	26.867	169.50	.071	.437
142	12.414	35.469	26.873	166.01	.071	.439

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
144	12.365	35.464	26.879	165.60	.075	.444
146	12.293	35.456	26.887	164.67	.073	.447
148	12.221	35.456	26.901	162.44	.070	.446
150	12.134	35.465	26.925	161.86	.070	.446
155	12.105	35.496	26.955	155.18	.068	.422
160	12.017	35.478	26.958	153.32	.067	.419
165	11.898	35.470	26.974	150.42	.066	.420
170	11.750	35.451	26.988	148.39	.065	.428
175	11.370	35.409	27.026	147.72	.067	.436
180	11.161	35.389	27.049	144.56	.068	.415
185	10.986	35.368	27.065	143.62	.066	.409
190	10.806	35.341	27.077	142.02	.063	.406
195	10.508	35.288	27.089	141.38	.064	.408
200	10.346	35.294	27.122	142.40	.066	.406
205	10.296	35.291	27.128	141.35	.065	.406
210	10.238	35.281	27.131	141.15	.063	.405
215	10.198	35.278	27.135	140.69	.067	.406
220	10.062	35.262	27.146	140.61	.064	.411
225	9.819	35.218	27.154	143.24	.065	.406
230	9.556	35.204	27.187	144.75	.063	.407
235	9.384	35.191	27.205	144.88	.064	.408
240	9.248	35.175	27.215	144.94	.061	.406
245	9.037	35.157	27.235	145.86	.066	.406
250	8.951	35.158	27.250	146.10	.061	.408
255	8.854	35.141	27.252	148.08	.061	.406
260	8.739	35.135	27.266	147.82	.062	.406
265	8.649	35.126	27.273	148.66	.063	.406
270	8.518	35.108	27.279	149.02	.066	.405
275	8.291	35.091	27.301	151.08	.064	.406
280	8.190	35.092	27.318	155.45	.063	.406
285	8.053	35.089	27.336	157.97	.067	.405
290	7.937	35.088	27.353	159.44	.065	.405
295	7.909	35.088	27.357	161.07	.061	.405
300	7.819	35.075	27.360	162.12	.061	.405
310	7.645	35.076	27.387	166.15	.062	.405
320	7.476	35.066	27.403	170.00	.064	.407
330	7.245	35.053	27.427	176.08	.063	.405
340	7.068	35.046	27.446	179.85	.063	.404
350	6.923	35.045	27.466	182.68	.062	.405
360	6.805	35.040	27.478	189.93	.064	.404
370	6.750	35.038	27.484	186.14	.060	.405
380	6.589	35.033	27.502	192.45	.063	.405
390	6.531	35.033	27.509	195.35	.057	.405
400	6.444	35.024	27.514	196.08	.057	.404
410	6.248	35.024	27.540	201.91	.059	.405
420	6.117	35.007	27.543	205.29	.063	.405
430	5.982	35.014	27.567	209.48	.060	.413
440	5.856	35.003	27.573	214.18	.058	.418
450	5.778	35.009	27.588	214.28	.061	.421
460	5.724	35.007	27.593	216.21	.058	.407
470	5.655	35.005	27.600	217.80	.057	.415

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
480	5.620	35.005	27.605	218.72	.061	.414
490	5.590	35.004	27.608	216.82	.060	.418
500	5.504	35.000	27.615	218.51	.057	.417
510	5.436	34.990	27.616	221.64	.061	.427
520	5.347	35.000	27.634	223.41	.057	.428
530	5.324	34.998	27.636	222.09	.057	.429
540	5.309	34.998	27.638	222.06	.057	.430
550	5.247	34.995	27.642	222.42	.058	.430
560	5.165	34.992	27.650	224.67	.057	.419
570	5.096	34.991	27.657	233.02	.055	.427
580	5.062	34.991	27.661	235.90	.054	.427
590	5.037	34.992	27.665	238.52	.056	.426
600	5.024	34.990	27.665	240.77	.054	.429
610	5.014	34.988	27.665	243.43	.056	.429
620	4.987	34.990	27.669	245.17	.057	.429
630	4.978	34.988	27.669	247.18	.057	.429
640	4.951	34.988	27.672	246.51	.057	.429
650	4.928	34.987	27.674	247.42	.060	.425
660	4.906	34.987	27.676	247.69	.057	.425
670	4.903	34.987	27.677	247.73	.059	.424
680	4.895	34.987	27.677	248.14	.053	.424
690	4.878	34.986	27.678	246.91	.052	.424
700	4.855	34.986	27.681	247.67	.052	.428
710	4.828	34.985	27.683	248.02	.054	.426
720	4.785	34.983	27.687	249.66	.054	.425
730	4.781	34.985	27.688	249.12	.056	.433
740	4.779	34.983	27.687	248.09	.055	.425
750	4.778	34.982	27.687	249.14	.054	.425
760	4.773	34.983	27.689	248.77	.054	.425
770	4.768	34.982	27.688	248.47	.058	.424
780	4.756	34.982	27.689	249.62	.053	.424
790	4.743	34.981	27.690	248.65	.056	.425
800	4.733	34.981	27.691	249.65	.052	.424
810	4.727	34.989	27.698	249.40	.054	.423
820	4.722	34.982	27.693	249.13	.055	.422
830	4.720	34.981	27.693	248.90	.049	.422
840	4.720	34.981	27.693	248.86	.052	.422
850	4.716	34.981	27.693	248.59	.055	.421
860	4.708	34.981	27.694	249.72	.058	.421
870	4.707	34.980	27.694	249.22	.052	.421
880	4.701	34.981	27.694	250.06	.052	.420
890	4.694	34.981	27.695	250.18	.051	.419
900	4.674	34.980	27.697	250.61	.053	.417
910	4.664	34.981	27.699	249.48	.053	.414
920	4.628	34.976	27.699	251.02	.055	.416
930	4.629	34.978	27.701	252.37	.056	.414
940	4.622	34.978	27.702	252.30	.046	.414
950	4.617	34.977	27.701	251.57	.054	.413
960	4.616	34.977	27.701	252.89	.055	.414
970	4.614	34.978	27.702	250.24	.056	.413
980	4.604	34.977	27.703	253.00	.050	.414

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
990	4.587	34.975	27.703	252.46	.051	.417
1000	4.578	34.976	27.704	250.81	.052	.413
1010	4.558	34.975	27.706	251.42	.052	.418
1020	4.548	34.974	27.706	250.75	.052	.419
1030	4.532	34.975	27.709	253.95	.052	.421
1040	4.518	34.973	27.709	250.76	.053	.418
1050	4.494	34.972	27.711	248.88	.050	.415
1060	4.403	34.969	27.719	253.86	.053	.421
1065	4.370	34.968	27.721	253.15	.051	.422
1066	4.365	34.968	27.722	253.80	.055	.422
1067	4.359	34.968	27.722	255.63	.053	.421
1068	4.359	34.968	27.723	255.55	.049	.421
1069	4.359	34.969	27.723	256.00	.052	.421
1070	4.359	34.967	27.722	255.97	.051	.420
1071	4.358	34.968	27.722	256.03	.053	.421

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
8	19 OCT 88	0328	37 37.87	74 12.80	430	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
4	16.637	33.457	24.416	253.06	.897	.636
5	16.634	33.455	24.415	250.39	.811	.639
6	16.696	33.508	24.441	250.15	.723	.639
7	16.895	33.734	24.568	248.12	.896	.628
8	17.222	33.961	24.665	246.16	.738	.612
9	17.787	34.459	24.911	241.62	.525	.591
10	18.605	35.012	25.132	235.85	.429	.554
11	18.790	34.985	25.064	237.76	.374	.549
12	18.834	34.985	25.053	235.66	.347	.541
13	18.861	35.008	25.064	234.51	.352	.537
14	18.897	35.030	25.072	234.81	.370	.534
15	18.895	35.037	25.077	236.90	.399	.535
16	18.909	35.030	25.069	236.21	.413	.533
17	18.896	35.020	25.064	236.71	.443	.534
18	18.889	35.020	25.066	236.90	.461	.535
19	18.882	35.015	25.064	235.19	.461	.539
20	18.876	35.016	25.066	233.54	.473	.540
21	18.870	35.010	25.063	234.84	.479	.539
22	18.760	34.949	25.045	235.29	.540	.550
23	18.681	34.939	25.056	233.71	.619	.554
24	18.230	34.686	24.976	234.24	.695	.570
25	17.312	34.509	25.064	236.46	.808	.573
26	16.669	34.397	25.131	236.24	.854	.567
27	14.228	33.522	24.998	246.37	.899	.585
28	12.584	33.450	25.275	247.77	.967	.559
29	11.502	33.383	25.426	235.83	.801	.530
30	10.911	33.380	25.530	235.46	.729	.513
31	10.269	33.347	25.616	234.30	.620	.499
32	10.121	33.465	25.734	230.17	.556	.500
33	9.764	33.262	25.635	229.57	.526	.494
34	9.474	33.383	25.777	227.27	.440	.489
35	9.491	33.424	25.806	224.44	.448	.487
36	9.419	33.343	25.754	223.22	.412	.484
37	9.340	33.388	25.802	223.05	.382	.482
38	9.317	33.405	25.819	221.95	.369	.481
39	9.313	33.432	25.841	219.78	.349	.560
40	9.332	33.433	25.838	220.63	.337	.474
41	9.338	33.465	25.863	219.73	.317	.469
42	9.358	33.479	25.870	220.72	.284	.466
43	9.395	33.493	25.876	221.75	.262	.464
44	9.433	33.517	25.888	221.18	.244	.463

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
45	9.483	33.536	25.895	219.65	.235	.462
46	9.551	33.566	25.907	216.22	.233	.460
47	9.614	33.581	25.909	218.48	.221	.456
48	9.651	33.590	25.910	215.54	.210	.456
49	9.708	33.622	25.925	214.65	.206	.455
50	9.741	33.629	25.925	212.75	.198	.455
52	9.872	33.721	25.975	208.67	.203	.453
54	9.970	33.715	25.954	212.18	.183	.449
56	10.112	33.782	25.982	207.28	.166	.449
58	10.190	33.819	25.998	206.20	.170	.448
60	10.299	33.849	26.003	207.79	.160	.446
62	10.399	33.906	26.030	208.80	.158	.445
64	10.569	33.965	26.046	205.16	.155	.442
66	10.782	34.060	26.083	204.78	.167	.437
68	10.929	34.116	26.100	203.93	.163	.431
70	11.207	34.241	26.147	204.63	.150	.433
72	11.327	34.250	26.133	204.20	.156	.430
74	11.570	34.336	26.154	202.16	.170	.447
76	11.679	34.362	26.155	200.76	.171	.463
78	11.674	34.375	26.166	199.23	.171	.448
80	11.631	34.395	26.189	200.90	.143	.430
82	11.774	34.498	26.243	199.24	.132	.428
84	11.959	34.609	26.294	197.92	.133	.428
86	12.178	34.748	26.360	195.98	.132	.429
88	12.319	34.870	26.428	195.78	.129	.428
90	12.496	34.884	26.403	195.95	.127	.425
92	12.642	34.987	26.455	192.82	.125	.427
94	12.660	35.017	26.474	192.07	.124	.422
96	12.675	35.037	26.487	191.76	.116	.419
98	12.728	35.082	26.512	190.67	.114	.419
100	12.775	35.110	26.524	190.70	.110	.422
102	12.853	35.183	26.565	189.79	.105	.423
104	12.903	35.234	26.594	188.13	.105	.422
106	13.076	35.314	26.621	186.23	.101	.423
108	13.111	35.314	26.614	186.03	.103	.425
110	13.141	35.332	26.623	182.81	.138	.424
112	13.187	35.360	26.635	182.35	.098	.424
114	13.377	35.496	26.701	183.01	.100	.422
116	13.376	35.493	26.699	181.00	.100	.418
118	13.276	35.512	26.734	181.53	.088	.417
120	13.203	35.484	26.727	178.13	.085	.417
122	12.968	35.485	26.776	178.12	.079	.415
124	12.866	35.498	26.806	179.25	.072	.421
126	12.816	35.495	26.814	176.23	.073	.423
128	12.759	35.501	26.830	175.66	.072	.421
130	12.638	35.495	26.850	174.75	.071	.426
132	12.478	35.488	26.876	172.19	.070	.437
134	12.440	35.488	26.883	164.85	.071	.437
136	12.480	35.523	26.903	163.42	.066	.427
138	12.415	35.501	26.899	163.20	.071	.417
140	12.258	35.468	26.903	162.10	.065	.421

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
142	12.165	35.483	26.933	162.14	.062	.662
144	12.081	35.469	26.939	159.83	.062	.425
146	12.073	35.473	26.943	156.91	.067	.425
148	12.067	35.476	26.947	156.96	.070	.425
150	12.065	35.475	26.946	157.92	.065	.425
155	11.906	35.451	26.958	157.00	.068	.432
160	11.848	35.442	26.962	155.93	.068	.434
165	11.678	35.439	26.992	152.91	.068	.425
170	11.636	35.433	26.996	150.90	.067	.425
175	11.479	35.418	27.014	150.22	.064	.423
180	11.326	35.382	27.014	151.16	.069	.421
185	11.069	35.370	27.052	148.65	.062	.418
190	10.771	35.338	27.081	146.30	.060	.413
195	10.492	35.298	27.100	144.27	.064	.412
200	10.038	35.208	27.108	146.31	.064	.405
205	9.487	35.184	27.183	146.67	.062	.405
210	9.196	35.172	27.222	147.90	.064	.405
215	9.065	35.166	27.238	146.37	.059	.405
220	9.040	35.167	27.243	147.20	.067	.404
225	9.014	35.166	27.246	147.69	.063	.405
230	9.003	35.166	27.248	148.54	.062	.405
235	8.812	35.146	27.263	148.84	.062	.411
240	8.709	35.144	27.278	151.00	.064	.416
245	8.684	35.143	27.281	150.88	.064	.416
250	8.627	35.140	27.288	151.41	.062	.418
255	8.578	35.137	27.293	152.02	.065	.417
260	8.505	35.124	27.294	152.68	.064	.413
265	8.394	35.119	27.307	153.52	.065	.412
270	8.245	35.106	27.320	154.34	.063	.416
275	8.223	35.115	27.331	157.55	.064	.420
280	8.222	35.115	27.331	156.06	.063	.421
285	7.876	35.063	27.342	157.66	.066	.426
290	7.738	35.088	27.382	163.36	.060	.426
295	7.648	35.078	27.388	167.88	.061	.426
300	7.492	35.069	27.404	170.09	.061	.430
310	7.215	35.060	27.436	176.95	.065	.421
320	6.993	35.048	27.458	180.24	.065	.413
330	6.967	35.052	27.465	182.46	.066	.423
340	7.016	35.066	27.469	184.27	.062	.430
350	7.030	35.062	27.464	183.60	.061	.434
360	7.041	35.060	27.461	183.83	.057	.432
370	7.070	35.062	27.458	184.97	.061	.430
380	7.062	35.061	27.458	184.18	.062	.430
390	6.820	35.052	27.485	186.60	.060	.454

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
9	19 OCT 88	0454	37 39.64	74 15.81	129	127

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
5	17.190	33.864	24.598	246.52	.921	.642
6	17.199	33.874	24.604	245.24	.939	.640
7	17.209	33.878	24.605	244.86	.903	.638
8	17.223	33.895	24.614	243.92	.922	.642
9	17.292	33.960	24.648	243.64	.859	.639
11	17.793	34.416	24.876	241.79	.690	.610
12	18.371	34.913	25.114	238.17	.608	.558
13	18.567	34.889	25.047	236.41	.448	.529
14	18.508	34.865	25.043	237.39	.431	.528
15	18.498	34.880	25.057	235.02	.437	.532
16	18.494	34.876	25.055	233.66	.489	.532
17	18.461	34.859	25.051	234.42	.510	.538
18	18.392	34.840	25.053	234.36	.588	.548
19	18.350	34.830	25.056	234.96	.632	.553
20	18.240	34.816	25.073	234.73	.658	.554
21	17.971	34.701	25.052	232.01	.736	.571
22	17.601	34.599	25.064	233.55	.822	.578
23	16.894	34.381	25.065	236.22	.886	.584
24	15.989	34.261	25.182	237.52	.957	.590
25	15.433	34.199	25.260	229.88	1.029	.593
26	14.988	34.098	25.280	230.24	1.088	.604
27	14.622	34.054	25.325	230.76	1.179	.606
28	14.464	34.035	25.344	232.68	1.134	.601
29	14.107	34.043	25.426	231.35	1.101	.596
30	13.497	33.857	25.408	231.33	1.046	.578
31	13.182	33.843	25.461	229.71	.999	.567
32	12.999	33.827	25.485	229.66	.944	.562
33	12.886	33.786	25.476	231.68	.910	.561
34	12.691	33.804	25.528	230.19	.880	.559
35	12.424	33.715	25.511	230.11	.891	.555
36	12.133	33.702	25.557	230.72	.878	.552
37	12.017	33.696	25.574	228.89	.854	.549
38	11.774	33.629	25.568	228.55	.841	.546
39	11.522	33.588	25.582	228.52	.818	.545
40	10.654	33.266	25.487	232.76	.772	.532
41	10.046	33.356	25.661	234.23	.782	.505
42	9.764	33.386	25.732	232.86	.753	.500
43	9.656	33.409	25.767	224.61	.583	.495
44	9.606	33.410	25.776	223.06	.567	.492
45	9.494	33.382	25.773	223.79	.528	.484
46	9.373	33.395	25.802	224.16	.507	.473

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
47	9.365	33.427	25.829	222.51	.453	.472
48	9.405	33.482	25.865	217.96	.357	.462
49	9.475	33.533	25.894	217.68	.302	.457
50	9.528	33.558	25.905	217.35	.265	.454
52	9.647	33.589	25.909	215.21	.240	.453
54	9.698	33.616	25.922	211.39	.224	.449
56	9.805	33.675	25.951	212.21	.194	.446
58	9.914	33.704	25.955	210.06	.182	.444
60	10.036	33.750	25.971	208.30	.171	.442
62	10.107	33.775	25.978	209.29	.170	.443
64	10.194	33.809	25.990	209.30	.162	.444
66	10.364	33.895	26.027	208.11	.165	.443
68	10.635	34.012	26.071	206.37	.162	.440
70	10.771	34.036	26.066	205.90	.266	.438
72	10.928	34.108	26.094	204.63	.166	.437
74	10.996	34.108	26.082	204.11	.161	.438
76	11.001	34.108	26.081	204.99	.164	.437
78	11.060	34.150	26.103	204.16	.170	.435
80	11.161	34.202	26.125	202.97	.160	.433
82	11.408	34.299	26.156	203.54	.155	.429
84	11.530	34.363	26.183	199.78	.150	.426
86	11.909	34.539	26.249	200.13	.142	.423
88	12.413	34.762	26.325	196.87	.143	.436
90	12.776	34.854	26.325	195.19	.160	.433
92	13.227	35.139	26.455	191.52	.176	.437
94	13.474	35.160	26.421	190.14	.186	.433
96	13.471	35.180	26.437	189.69	.184	.431
98	13.382	35.184	26.459	188.06	.159	.430
100	13.558	35.313	26.522	186.66	.140	.429
102	13.442	35.338	26.565	187.05	.128	.427
104	13.375	35.327	26.571	189.29	.147	.429
106	12.898	35.196	26.566	186.18	.128	.426
108	12.880	35.346	26.686	184.30	.167	.424
110	12.705	35.323	26.703	180.25	.099	.429
112	12.687	35.350	26.728	178.04	.101	.424
114	12.677	35.342	26.723	178.92	.106	.424
115	12.601	35.320	26.721	177.82	.107	.425
116	12.516	35.315	26.734	178.66	.126	.428
117	12.295	35.246	26.724	174.41	.100	.427
118	12.143	35.265	26.768	174.74	.099	.428
119	12.072	35.289	26.800	170.74	.097	.428
120	12.046	35.301	26.815	169.78	.100	.429
121	12.028	35.303	26.820	168.71	.097	.428
122	12.010	35.302	26.823	167.28	.103	.421
123	11.977	35.304	26.830	166.73	.092	.428
124	11.929	35.315	26.848	164.09	.115	.428
125	11.936	35.331	26.859	163.51	.113	.431
126	11.975	35.361	26.875	164.68	.098	.428
127	12.026	35.386	26.885	165.85	.103	.426
128	12.059	35.393	26.884	163.75	.079	.426

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
10	19 OCT 88	0602	37 41.85	74 20.51	88	86

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
4	16.448	32.920	24.048	251.28	.992	.746
5	16.446	32.921	24.048	251.95	1.012	.748
6	16.448	32.920	24.047	253.59	1.071	.748
7	16.438	32.925	24.053	253.76	1.307	.748
8	16.446	32.922	24.049	249.50	1.077	.748
9	16.447	32.921	24.048	250.64	1.030	.748
10	16.403	32.960	24.088	252.57	1.137	.739
11	16.350	33.044	24.165	253.95	1.197	.728
12	16.348	33.105	24.213	253.31	1.158	.726
13	16.431	33.415	24.431	252.49	1.389	.707
14	16.835	34.003	24.789	249.26	1.201	.667
15	17.279	34.434	25.014	248.33	1.128	.619
16	17.708	34.580	25.023	246.53	.858	.554
17	17.836	34.593	25.001	238.57	.651	.541
18	17.920	34.626	25.007	235.92	.579	.533
19	18.037	34.697	25.032	236.81	.505	.517
20	18.111	34.685	25.005	237.23	.500	.525
21	18.161	34.709	25.010	234.31	.452	.519
22	18.299	34.791	25.039	233.01	.438	.511
23	18.367	34.799	25.028	233.64	.488	.509
24	18.423	34.815	25.026	232.77	.546	.510
25	18.439	34.816	25.023	228.77	.490	.509
26	18.488	34.839	25.029	228.54	.485	.507
27	18.502	34.842	25.027	229.12	.464	.500
28	18.518	34.847	25.027	231.06	.472	.501
29	18.546	34.861	25.031	235.32	.491	.490
30	18.561	34.866	25.031	236.14	.439	.490
31	18.573	34.873	25.033	237.49	.432	.492
32	18.562	34.864	25.029	236.07	.459	.495
33	18.520	34.849	25.028	238.60	.536	.500
34	18.445	34.815	25.021	238.87	.542	.505
35	18.300	34.787	25.036	239.25	.590	.520
36	18.169	34.758	25.046	238.89	.656	.521
37	18.050	34.759	25.076	237.17	.662	.523
38	17.955	34.710	25.062	237.99	.691	.528
39	17.770	34.641	25.054	237.89	.684	.526
40	17.377	34.561	25.08[illegible]	237.22	.683	.532
41	15.849	33.901	24.937	236.61	.782	.552
42	13.353	33.228	24.951	248.72	.823	.580
43	12.461	33.589	25.406	242.24	.837	.570
44	11.054	33.239	25.39[illegible]	229.38	.713	.543

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
45	10.248	33.079	25.411	220.25	.595	.527
46	10.072	33.099	25.456	218.11	.590	.530
47	10.020	33.137	25.494	215.22	.626	.530
48	9.793	33.121	25.519	211.23	.624	.522
49	9.604	33.079	25.518	208.98	.546	.521
50	9.304	33.027	25.526	209.86	.518	.514
52	9.230	33.070	25.571	208.34	.444	.510
54	9.136	33.059	25.577	205.77	.457	.509
56	9.078	33.109	25.625	205.61	.410	.507
58	9.074	33.123	25.637	202.20	.397	.506
60	9.161	33.189	25.675	201.79	.405	.503
62	9.987	33.505	25.787	199.75	.348	.491
64	10.272	33.659	25.859	200.45	.319	.478
66	10.494	33.744	25.887	205.32	.311	.475
68	11.144	34.000	25.971	201.94	.266	.462
70	11.314	34.145	26.053	205.40	.247	.451
72	11.524	34.294	26.130	204.26	.180	.438
73	11.592	34.338	26.152	203.64	.176	.439
74	11.616	34.336	26.146	203.36	.186	.436
75	11.646	34.360	26.159	204.56	.179	.434
76	11.649	34.368	26.165	204.60	.167	.434
77	11.583	34.359	26.170	203.73	.155	.431
78	11.552	34.351	26.169	203.11	.184	.430
79	11.535	34.346	26.169	204.15	.170	.433
80	11.532	34.356	26.178	201.69	.185	.434
81	11.732	34.455	26.217	202.69	.168	.433
82	12.114	34.680	26.319	202.29	.159	.429
83	12.289	34.722	26.318	199.01	.157	.436
84	12.321	34.734	26.321	197.01	.167	.441
85	12.319	34.733	26.321	196.83	.171	.434
86	12.319	34.734	26.321	197.48	.171	.449
87	12.319	34.734	26.322	197.58	.166	.442

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
11	19 OCT 88	0745	37 44.69	74 24.53	66	64

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
4	16.631	32.932	24.015	248.40	1.124	.785
5	16.633	32.932	24.014	247.77	1.141	.783
6	16.635	32.933	24.014	249.17	1.166	.783
7	16.636	32.931	24.013	250.73	1.174	.784
8	16.636	32.932	24.013	251.96	1.191	.784
9	16.635	32.932	24.014	252.48	1.184	.783
10	16.621	32.925	24.011	253.56	1.196	.783
11	16.600	32.921	24.013	254.84	1.186	.784
12	16.569	32.918	24.018	255.68	1.192	.783
13	16.551	32.920	24.023	252.31	1.282	.782
14	16.511	32.907	24.023	252.56	1.252	.780
15	16.483	32.903	24.026	253.01	1.238	.782
16	16.397	32.880	24.028	253.25	1.268	.779
17	16.299	32.874	24.046	251.20	1.425	.778
18	16.215	32.851	24.048	251.36	1.443	.777
19	15.992	32.813	24.068	252.17	1.470	.779
20	15.739	32.755	24.081	253.93	1.450	.743
21	15.528	32.845	24.196	252.50	1.491	.691
22	15.404	32.900	24.266	252.03	1.457	.653
23	15.740	33.554	24.695	248.53	1.317	.569
24	16.831	34.149	24.902	245.47	.995	.498
25	17.120	34.110	24.804	243.29	.633	.497
26	17.277	34.207	24.841	244.96	.542	.505
27	17.792	34.589	25.009	244.10	.588	.497
28	18.136	34.698	25.008	246.46	.551	.483
29	18.324	34.764	25.012	246.90	.702	.483
30	18.459	34.817	25.019	245.37	.619	.480
31	18.565	34.859	25.024	244.80	.484	.472
32	18.542	34.829	25.008	245.23	.374	.472
33	18.467	34.806	25.009	245.50	.446	.479
34	18.421	34.797	25.013	246.07	.405	.478
35	18.387	34.808	25.030	246.10	.401	.474
36	18.416	34.840	25.047	245.72	.372	.473
37	18.397	34.810	25.029	245.84	.421	.472
38	18.174	34.737	25.029	243.09	.553	.467
39	17.613	34.557	25.028	242.11	.412	.470
40	17.089	34.463	25.082	241.66	.410	.472
41	16.573	34.353	25.119	240.78	.384	.476
42	15.963	34.251	25.181	240.55	.389	.481
43	15.556	34.162	25.204	238.05	.406	.485
44	14.945	33.952	25.176	236.72	.488	.494

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
45	13.597	33.636	25.217	239.90	.513	.500
46	12.695	33.743	25.480	245.77	.499	.493
47	12.366	33.777	25.570	256.04	.489	.493
48	12.117	33.753	25.599	234.63	.484	.491
49	11.750	33.643	25.583	234.07	.476	.486
50	11.442	33.678	25.666	235.62	.446	.486
51	11.317	33.669	25.683	236.49	.435	.485
52	11.232	33.684	25.710	232.82	.445	.482
53	11.226	33.691	25.716	231.69	.459	.481
54	11.218	33.695	25.721	232.67	.428	.480
55	11.208	33.695	25.722	232.09	.403	.479
56	11.169	33.701	25.734	230.93	.414	.470
57	11.139	33.720	25.754	229.28	.363	.469
58	11.112	33.706	25.748	227.81	.361	.465
59	10.793	33.744	25.835	226.26	.326	.491
60	10.695	33.795	25.892	223.56	.402	.498
61	10.668	33.800	25.900	215.94	.355	.501
62	10.652	33.795	25.899	212.74	.365	.494
63	10.630	33.790	25.899	213.62	.313	.504
64	10.620	33.797	25.906	213.02	.292	.507
65	10.614	33.795	25.906	212.04	.333	.506

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
12	19 OCT 88	0849	37 46.27	74 30.03	59	57

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	16.756	32.997	24.035	256.27	------	------
4	16.759	32.998	24.035	256.14	------	------
5	16.762	33.010	24.044	254.45	.967	.751
6	16.763	33.009	24.043	251.40	.964	.724
7	16.757	33.008	24.043	252.20	1.275	.706
8	16.741	33.004	24.044	252.15	1.165	.705
9	16.746	33.006	24.044	251.39	1.118	.704
10	16.741	33.003	24.043	251.42	1.161	.705
11	16.732	33.002	24.045	251.17	1.113	.701
12	16.739	33.003	24.044	248.45	1.008	.702
13	16.747	33.008	24.046	247.69	1.061	.707
14	16.756	33.009	24.044	249.48	1.082	.704
15	16.742	33.002	24.043	251.66	1.049	.701
16	16.737	33.004	24.045	251.40	1.027	.702
17	16.737	33.003	24.045	249.68	1.145	.700
18	16.739	33.011	24.050	255.07	1.063	.703
19	16.736	33.002	24.044	245.28	1.070	.703
20	16.735	33.003	24.045	246.50	1.064	.703
21	16.700	32.997	24.048	252.24	1.544	.702
22	16.707	32.995	24.045	250.75	1.209	.701
23	16.646	32.982	24.049	249.24	1.152	.699
24	16.479	32.931	24.049	250.30	1.059	.681
25	16.438	32.946	24.070	250.56	1.210	.678
26	16.417	32.954	24.080	250.26	1.019	.680
27	16.300	32.933	24.091	250.09	1.049	.662
28	16.146	32.961	24.147	251.15	.869	.604
29	16.122	33.073	24.239	247.02	.701	.588
30	16.101	33.144	24.298	240.45	.594	.518
31	15.963	33.126	24.316	240.73	.599	.516
32	15.776	33.210	24.422	241.22	.564	.513
33	16.097	33.527	24.594	231.25	.617	.504
34	15.927	33.475	24.592	229.86	.534	.505
35	15.462	33.265	24.535	230.72	.529	.508
36	13.927	33.310	24.897	225.47	.556	.512
37	13.411	33.354	25.037	217.56	.520	.502
38	13.035	33.428	25.169	216.20	.489	.502
39	12.873	33.438	25.209	212.05	.460	.499
40	11.944	33.237	25.231	211.90	.516	.503
41	11.138	33.211	25.358	213.19	.474	.507
42	10.698	33.140	25.381	211.07	.474	.511
43	10.492	33.157	25.430	208.10	.466	.510

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	10.422	33.174	25.455	206.41	.482	.511
45	10.278	33.131	25.447	205.94	.454	.510
46	10.055	33.121	25.476	205.48	.468	.509
47	9.792	33.133	25.529	205.26	.426	.505
48	9.701	33.160	25.566	204.89	.402	.503
49	9.596	33.185	25.602	204.74	.372	.509
50	9.544	33.204	25.625	202.69	.356	.499
51	9.520	33.214	25.637	202.75	.448	.505
52	9.510	33.222	25.645	202.54	.514	.500
53	9.505	33.229	25.651	201.16	.354	.500
54	9.502	33.232	25.654	200.00	.376	.503
55	9.500	33.236	25.658	200.59	.455	.502
56	9.499	33.239	25.660	199.04	.390	.501
57	9.496	33.245	25.665	197.81	.389	.504
58	9.495	33.247	25.667	199.10	.362	.503

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
13	19 OCT 88	1027	37 49.00	74 37.14	51	49

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	17.053	32.977	23.950	-------	1.070	.713
3	17.036	32.989	23.963	254.27	1.083	.714
4	17.033	32.993	23.968	252.26	1.222	.717
5	17.035	32.994	23.968	250.50	1.121	.712
6	17.038	32.991	23.965	247.89	1.104	.714
7	17.037	32.991	23.965	248.00	1.071	.713
8	17.038	32.985	23.960	253.83	1.116	.714
9	17.032	32.993	23.968	254.73	1.219	.714
10	17.031	32.992	23.967	253.09	1.278	.714
11	17.036	32.998	23.970	251.29	1.178	.713
12	17.028	32.990	23.967	251.63	1.113	.715
13	17.030	32.994	23.969	251.13	1.092	.713
14	17.038	33.003	23.974	251.77	1.104	.713
15	17.042	33.003	23.973	253.36	1.132	.714
16	17.040	33.000	23.972	252.78	1.130	.711
17	17.055	33.027	23.989	251.68	1.201	.711
18	17.071	33.069	24.017	250.47	1.162	.707
19	17.071	33.098	24.039	248.09	1.308	.705
20	17.071	33.142	24.073	246.48	1.241	.690
21	17.102	33.192	24.104	245.18	1.279	.677
22	17.146	33.303	24.179	242.85	1.216	.622
23	17.150	33.303	24.178	242.78	1.078	.621
24	17.134	33.294	24.175	241.56	1.204	.596
25	17.124	33.295	24.178	240.38	1.122	.595
26	17.105	33.289	24.178	239.63	1.148	.579
27	17.101	33.289	24.178	238.11	1.012	.583
28	17.099	33.288	24.178	237.43	.967	.581
29	17.096	33.289	24.179	237.77	1.031	.571
30	17.091	33.293	24.184	237.05	.915	.547
31	17.048	33.286	24.189	234.83	.768	.511
32	16.918	33.235	24.180	234.14	.551	.495
33	16.737	33.211	24.204	234.43	.469	.487
34	16.683	33.246	24.244	234.04	.491	.483
35	16.659	33.251	24.253	234.44	.534	.483
36	16.550	33.242	24.271	232.86	.506	.484
37	16.339	33.252	24.327	230.08	.677	.488
38	16.116	33.219	24.352	226.55	.399	.494
39	15.572	33.149	24.420	225.99	.451	.499
40	14.801	33.185	24.617	227.56	.622	.501
41	14.096	33.211	24.786	227.28	.427	.499
42	13.649	33.255	24.912	222.74	.394	.500

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	13.044	33.246	25.026	217.00	.400	.501
44	12.245	33.128	25.090	213.07	.431	.509
45	10.963	33.214	25.392	214.10	.420	.521
46	10.520	33.254	25.501	208.99	.421	.533
47	10.485	33.269	25.518	204.24	.465	.544
48	10.459	33.268	25.522	203.58	.440	.551
49	10.450	33.270	25.525	202.30	.456	.552

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
14	19 OCT 88	1207	37 51.94	74 44.05	41	39

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	16.819	32.823	23.887	258.73	1.278	.757
3	16.819	32.824	23.888	267.24	1.271	.757
4	16.820	32.819	23.884	252.63	1.241	.757
5	16.820	32.823	23.887	253.24	1.322	.759
6	16.823	32.824	23.887	255.28	1.408	.758
7	16.822	32.823	23.887	255.66	1.432	.757
8	16.821	32.823	23.887	251.80	1.567	.758
9	16.820	32.823	23.887	268.03	1.493	.759
10	16.822	32.823	23.887	251.65	1.212	.761
11	16.823	32.822	23.885	254.71	1.209	.758
12	16.823	32.822	23.886	252.86	1.280	.759
13	16.823	32.823	23.886	250.61	1.324	.762
14	16.825	32.822	23.885	250.91	1.444	.758
15	16.830	32.822	23.884	259.39	1.265	.762
16	16.824	32.824	23.886	257.10	1.462	.759
17	16.828	32.823	23.885	256.67	1.335	.759
18	16.830	32.824	23.885	253.41	1.441	.757
19	16.835	32.830	23.889	257.61	1.375	.756
20	16.844	32.847	23.899	257.53	1.265	.752
21	16.846	32.854	23.905	251.47	1.252	.747
22	16.852	32.865	23.912	244.82	1.256	.736
23	16.893	33.049	24.043	244.19	1.100	.681
24	16.898	33.087	24.071	243.49	.746	.608
25	16.890	33.086	24.072	246.58	.854	.592
26	16.866	33.090	24.081	239.41	.760	.546
27	16.851	33.105	24.096	232.44	.774	.545
28	14.753	33.106	24.566	206.49	.514	.541
29	14.391	33.196	24.712	200.28	.472	.541
30	14.180	33.286	24.826	199.69	.444	.552
31	13.395	33.237	24.949	200.88	.447	.560
32	12.704	33.108	24.986	200.87	.474	.590
33	12.684	33.110	24.992	199.46	.539	.598
34	12.623	33.107	25.001	199.48	.555	.614
35	12.582	33.109	25.010	198.17	.499	.617
36	12.548	33.109	25.017	202.74	.491	.616
37	12.499	33.109	25.027	204.29	.604	.623
38	12.464	33.113	25.036	205.39	.544	.637

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
15	19 OCT 88	2340	37 19.38	74 10.06	1700	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	18.962	35.049	25.070	-------	.500	.557
3	18.967	35.048	25.068	242.45	.449	.556
4	18.971	35.045	25.064	240.32	.442	.552
5	18.965	35.048	25.068	243.44	.450	.552
6	18.965	35.048	25.068	242.27	.449	.554
7	18.964	35.048	25.068	242.26	.460	.552
8	18.962	35.049	25.069	244.22	.503	.549
9	18.966	35.053	25.071	240.01	.469	.548
10	18.980	35.060	25.073	233.65	.550	.548
11	18.987	35.061	25.072	231.86	.497	.547
12	18.977	35.061	25.075	237.30	.574	.547
13	18.982	35.061	25.074	240.55	.793	.548
14	18.989	35.068	25.077	242.23	.591	.548
15	19.025	35.096	25.089	239.62	.507	.701
16	19.051	35.104	25.089	237.29	.503	.545
17	19.182	35.215	25.140	235.31	.493	.542
18	19.376	35.367	25.206	233.74	.525	.533
19	19.505	35.456	25.240	233.93	.541	.527
20	19.622	35.531	25.268	235.83	.471	.522
21	19.696	35.562	25.272	238.09	.435	.520
22	19.750	35.583	25.274	239.01	.431	.519
23	19.781	35.592	25.272	238.08	.457	.518
24	19.794	35.600	25.275	236.87	.433	.516
25	19.815	35.615	25.281	237.05	.444	.516
26	19.855	35.651	25.298	236.24	.442	.516
27	19.912	35.709	25.327	235.20	.456	.521
28	19.946	35.729	25.334	235.95	.469	.522
29	19.983	35.753	25.342	238.17	.478	.527
30	20.002	35.752	25.336	239.50	.552	.525
31	20.018	35.763	25.341	237.29	.597	.529
32	20.028	35.767	25.341	236.05	.654	.534
33	20.028	35.769	25.342	236.78	.663	.530
34	20.022	35.767	25.342	238.56	.706	.531
35	20.019	35.769	25.345	235.59	.697	.534
36	20.013	35.767	25.345	236.40	.680	.535
37	20.009	35.767	25.346	236.77	.639	.537
38	20.005	35.768	25.348	237.02	.668	.538
39	19.996	35.767	25.350	235.77	1.113	.540
40	19.972	35.767	25.356	234.65	1.065	.541
41	19.966	35.773	25.361	234.32	1.259	.538
42	19.963	35.785	25.371	234.21	1.269	.538

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	19.962	35.789	25.375	233.76	.943	.651
44	19.963	35.800	25.383	230.96	.734	.529
45	19.945	35.791	25.381	230.29	.682	.528
46	19.914	35.785	25.385	231.48	.657	.527
47	19.898	35.796	25.397	231.50	.641	.527
48	19.827	35.771	25.397	231.23	.597	.521
49	19.691	35.729	25.401	232.29	.626	.521
50	19.401	35.633	25.403	234.47	.679	.516
52	18.339	35.511	25.580	236.73	.694	.511
54	17.285	35.411	25.763	222.91	.608	.517
56	16.794	35.306	25.799	218.79	.560	.507
58	15.287	34.790	25.747	225.39	.476	.482
60	13.606	34.579	25.944	228.16	.366	.479
62	12.764	34.532	26.078	219.90	.313	.465
64	12.610	34.586	26.150	217.02	.242	.463
66	12.467	34.641	26.221	215.77	.210	.459
68	12.486	34.672	26.241	213.79	.195	.457
70	12.267	34.696	26.302	212.76	.162	.452
72	12.492	34.815	26.351	208.04	.153	.448
74	12.575	34.819	26.338	207.31	.153	.447
76	12.646	34.853	26.350	205.13	.156	.447
78	12.690	34.888	26.369	205.01	.152	.447
80	12.778	34.948	26.397	203.15	.155	.446
82	13.086	35.141	26.486	200.17	.146	.444
84	13.296	35.207	26.494	198.65	.150	.442
86	13.280	35.199	26.491	195.90	.150	.441
88	13.259	35.218	26.510	193.18	.143	.441
90	12.997	35.154	26.513	192.81	.132	.442
92	12.821	35.169	26.561	192.80	.125	.444
94	12.820	35.229	26.607	191.19	.115	.443
96	12.860	35.277	26.636	188.51	.111	.442
98	12.985	35.361	26.676	186.78	.107	.441
100	13.019	35.390	26.692	185.84	.103	.440
102	12.947	35.406	26.719	186.14	.091	.441
104	12.937	35.433	26.742	184.40	.090	.439
106	12.940	35.454	26.758	182.35	.088	.438
108	12.932	35.461	26.764	180.26	.081	.439
110	12.913	35.477	26.781	178.10	.079	.438
112	12.925	35.491	26.789	177.29	.079	.438
114	12.865	35.515	26.820	173.77	.080	.438
116	12.803	35.520	26.836	171.71	.073	.437
118	12.677	35.509	26.853	169.93	.077	.437
120	12.617	35.529	26.880	166.80	.068	.437
122	12.607	35.538	26.889	161.61	.070	.437
124	12.569	35.528	26.889	161.37	.069	.437
126	12.547	35.535	26.898	160.56	.068	.437
128	12.529	35.531	26.900	160.05	.069	.437
130	12.516	35.536	26.906	158.19	.067	.435
132	12.491	35.532	26.907	157.99	.071	.437
134	12.471	35.533	26.912	158.46	.068	.435
136	12.442	35.532	26.917	157.41	.066	.434

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	12.392	35.520	26.918	157.28	.066	.435
140	12.307	35.514	26.929	156.84	.067	.433
142	12.226	35.521	26.950	154.54	.063	.434
144	12.116	35.497	26.953	151.96	.064	.433
146	12.057	35.494	26.963	152.69	.065	.434
148	12.027	35.492	26.966	151.83	.065	.436
150	11.975	35.485	26.972	151.96	.070	.438
155	11.873	35.464	26.974	150.65	.072	.437
160	11.695	35.455	27.002	148.50	.065	.433
165	11.656	35.463	27.015	147.13	.062	.426
170	11.586	35.456	27.022	145.13	.061	.423
175	11.347	35.414	27.035	145.04	.063	.425
180	11.190	35.405	27.056	142.74	.060	.423
185	11.105	35.395	27.065	142.09	.059	.422
190	10.926	35.369	27.077	141.81	.065	.422
195	10.834	35.357	27.084	138.52	.064	.422
200	10.791	35.355	27.090	140.00	.061	.423
205	10.632	35.329	27.099	139.60	.063	.423
210	10.477	35.315	27.115	140.76	.062	.422
215	10.388	35.306	27.124	141.83	.061	.423
220	10.248	35.272	27.122	144.73	.062	.426
225	10.008	35.255	27.150	141.88	.063	.429
230	9.923	35.257	27.166	141.22	.066	.429
235	9.884	35.256	27.172	142.00	.061	.432
240	9.850	35.248	27.171	142.72	.064	.433
245	9.721	35.232	27.182	144.00	.064	.433
250	9.654	35.231	27.191	142.92	.061	.432
255	9.605	35.226	27.196	143.06	.063	.430
260	9.433	35.184	27.192	144.16	.060	.429
265	9.229	35.183	27.224	145.04	.065	.427
270	9.160	35.176	27.231	146.73	.067	.427
275	9.066	35.172	27.242	147.04	.066	.425
280	8.965	35.164	27.253	146.58	.061	.424
285	8.719	35.141	27.274	148.71	.064	.426
290	8.660	35.133	27.277	149.43	.066	.425
295	8.559	35.129	27.290	151.03	.063	.424
300	8.457	35.113	27.293	151.72	.062	.425
310	8.291	35.103	27.311	153.00	.060	.424
320	8.100	35.095	27.334	155.79	.066	.424
330	7.908	35.085	27.355	159.75	.059	.424
340	7.786	35.083	27.372	164.96	.059	.424
350	7.516	35.076	27.406	170.89	.061	.423
360	7.364	35.061	27.416	172.65	.061	.422
370	7.099	35.063	27.455	178.96	.058	.421
380	7.075	35.063	27.458	184.47	.058	.425
390	6.873	35.047	27.473	184.81	.059	.422
400	6.753	35.050	27.493	190.57	.058	.421
410	6.574	35.033	27.503	193.02	.059	.421
420	6.410	35.040	27.531	197.61	.057	.421
430	6.260	35.034	27.546	202.99	.059	.421
440	6.141	35.028	27.557	206.84	.062	.421

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
450	6.034	35.021	27.565	209.20	.055	.420
460	5.858	35.015	27.583	212.01	.060	.420
470	5.735	35.015	27.598	215.06	.055	.420
480	5.651	35.013	27.607	218.35	.058	.422
490	5.629	35.012	27.610	217.74	.053	.423
500	5.590	35.010	27.613	218.62	.055	.422
510	5.559	35.011	27.617	217.93	.059	.423
520	5.543	35.015	27.622	217.90	.058	.423
530	5.483	35.013	27.628	218.62	.055	.423
540	5.443	35.006	27.627	219.94	.054	.423
550	5.358	35.009	27.640	223.04	.055	.419
560	5.317	35.011	27.646	225.44	.056	.419
570	5.309	35.013	27.649	223.43	.054	.418
580	5.218	35.012	27.659	224.43	.055	.416
590	5.149	35.012	27.668	236.77	.054	.415
600	5.083	35.010	27.674	239.18	.052	.414
610	5.078	35.012	27.675	236.86	.054	.415
620	5.008	35.006	27.679	243.50	.055	.413
630	4.948	35.003	27.684	248.43	.054	.413
640	4.845	34.998	27.692	251.42	.053	.413
650	4.782	34.986	27.690	252.30	.057	.417
660	4.682	34.978	27.694	253.70	.052	.420
670	4.618	34.979	27.703	256.66	.052	.421
680	4.600	34.978	27.704	257.49	.052	.423
690	4.567	34.976	27.706	257.13	.056	.425
700	4.565	34.978	27.707	257.79	.051	.424
710	4.560	34.976	27.707	257.52	.053	.424
720	4.557	34.978	27.709	257.35	.051	.424
730	4.542	34.976	27.708	257.80	.051	.422
740	4.525	34.977	27.711	256.31	.050	.421
750	4.521	34.976	27.711	257.38	.053	.421
760	4.517	34.976	27.712	255.85	.053	.419
770	4.500	34.976	27.713	256.45	.052	.417
780	4.463	34.974	27.716	257.92	.054	.417
790	4.457	34.974	27.716	257.51	.054	.418
800	4.441	34.972	27.717	258.23	.054	.419
810	4.440	34.973	27.718	257.59	.052	.418
820	4.409	34.973	27.721	259.05	.054	.416
830	4.396	34.973	27.722	258.70	.049	.417
840	4.385	34.972	27.723	259.04	.052	.415
850	4.382	34.972	27.723	259.57	.048	.414
860	4.359	34.971	27.725	259.28	.046	.419
870	4.343	34.970	27.725	260.48	.054	.419
880	4.334	34.970	27.727	259.40	.052	.420
890	4.317	34.968	27.727	259.99	.052	.421
900	4.310	34.970	27.730	259.41	.050	.420
910	4.321	34.972	27.730	259.02	.052	.416
920	4.325	34.975	27.732	258.50	.050	.414
930	4.302	34.972	27.732	258.35	.049	.413
940	4.280	34.970	27.732	259.85	.054	.413
950	4.264	34.971	27.735	260.93	.051	.413

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
960	4.256	34.971	27.736	260.51	.051	.412
970	4.250	34.970	27.736	261.10	.053	.412
980	4.242	34.971	27.737	260.67	.047	.412
990	4.240	34.969	27.736	266.60	.050	.411
1000	4.221	34.966	27.736	261.74	.046	.412
1010	4.209	34.967	27.738	268.41	.048	.413
1020	4.199	34.965	27.738	270.67	.049	.413
1030	4.186	34.964	27.738	273.77	.047	.412
1040	4.174	34.965	27.740	272.83	.047	.410
1050	4.163	34.964	27.741	273.43	.047	.410
1060	4.151	34.965	27.742	275.03	.049	.409
1070	4.122	34.962	27.743	274.17	.052	.409
1080	4.108	34.961	27.744	273.88	.054	.409
1090	4.087	34.958	27.744	275.55	.049	.411
1100	4.083	34.960	27.746	275.49	.050	.410
1110	4.081	34.959	27.745	273.86	.048	.410
1120	4.080	34.959	27.745	279.08	.049	.409
1130	4.070	34.960	27.747	273.84	.052	.410
1140	4.069	34.958	27.746	275.62	.047	.410
1150	4.069	34.959	27.746	276.33	.049	.410
1160	4.068	34.958	27.746	275.50	.049	.410
1170	4.050	34.958	27.748	275.56	.047	.410
1180	4.045	34.957	27.748	275.82	.046	.410
1190	4.043	34.958	27.748	276.55	.046	.410
1200	4.038	34.958	27.749	276.15	.048	.411
1210	4.036	34.959	27.750	275.81	.047	.410
1220	4.036	34.959	27.750	276.05	.048	.409
1230	4.034	34.957	27.748	275.29	.048	.410
1240	4.029	34.957	27.749	275.93	.047	.409
1250	4.027	34.958	27.750	275.29	.049	.409
1260	4.025	34.958	27.751	275.81	.048	.410
1270	4.024	34.958	27.750	273.38	.047	.408
1280	4.017	34.960	27.753	275.78	.046	.408
1290	4.015	34.959	27.752	276.19	.047	.408
1300	4.004	34.956	27.751	276.09	.043	.407
1310	3.975	34.957	27.755	276.59	.047	.408
1320	3.933	34.956	27.758	275.89	.046	.410
1330	3.928	34.957	27.760	276.30	.047	.410
1340	3.928	34.956	27.759	277.13	.046	.411
1350	3.922	34.957	27.761	276.91	.044	.413
1360	3.924	34.958	27.761	276.77	.044	.412
1370	3.922	34.958	27.761	276.40	.042	.413
1380	3.918	34.957	27.761	275.47	.047	.412
1390	3.889	34.957	27.764	275.88	.049	.413
1400	3.881	34.957	27.764	277.60	.045	.413
1410	3.890	34.957	27.763	276.93	.047	.413
1420	3.886	34.957	27.764	277.00	.044	.413
1430	3.863	34.955	27.765	274.76	.042	.415
1440	3.876	34.956	27.765	279.52	.045	.413
1450	3.868	34.956	27.765	276.18	.045	.414
1460	3.874	34.956	27.764	277.83	.043	.412

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1470	3.856	34.944	27.757	277.38	.044	.418
1480	3.826	34.955	27.769	277.13	.046	.421
1490	3.826	34.955	27.769	275.37	.043	.564
1500	3.838	34.957	27.769	273.30	.046	.421

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
16	20 OCT 88	0228	37 12.00	74 25.05	1204	1202

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	19.138	35.355	25.258	230.16	.448	.536
4	19.146	35.350	25.253	229.45	.443	.537
5	19.148	35.350	25.252	231.59	.436	.536
6	19.156	35.353	25.252	232.98	.433	.536
7	19.155	35.353	25.252	238.80	.447	.536
8	19.151	35.353	25.253	243.18	.471	.535
9	19.149	35.353	25.254	240.99	.506	.536
10	19.148	35.351	25.253	238.12	.475	.536
11	19.142	35.348	25.252	236.46	.463	.536
12	19.143	35.350	25.253	237.40	.491	.536
13	19.144	35.351	25.254	239.93	.509	.536
14	19.145	35.351	25.253	242.04	.474	.536
15	19.144	35.353	25.255	241.52	.499	.536
16	19.143	35.351	25.254	240.54	.493	.536
17	19.140	35.352	25.256	240.48	.483	.536
18	19.143	35.353	25.256	241.64	.469	.535
19	19.142	35.352	25.255	242.94	.478	.536
20	19.174	35.394	25.279	244.80	.452	.536
21	19.275	35.440	25.288	244.48	.494	.533
22	19.302	35.421	25.266	244.35	.524	.531
23	19.259	35.388	25.252	244.71	.866	.533
24	19.227	35.386	25.259	244.35	.946	.533
25	19.231	35.396	25.266	244.81	.868	.533
26	19.281	35.385	25.244	244.84	.667	.532
27	19.359	35.511	25.321	243.50	.595	.531
28	19.581	35.628	25.352	242.44	.575	.530
29	19.804	35.758	25.393	241.38	.738	.527
30	19.897	35.775	25.382	241.61	.666	.527
31	19.971	35.804	25.384	241.20	.619	.525
32	20.048	35.822	25.377	240.98	.606	.527
33	20.056	35.814	25.369	239.00	.593	.530
34	20.040	35.805	25.367	238.11	.609	.530
35	19.967	35.776	25.363	239.06	.636	.530
36	19.910	35.778	25.381	239.43	.633	.528
37	19.891	35.791	25.395	236.84	.648	.526
38	19.853	35.781	25.398	231.70	.613	.518
39	19.836	35.784	25.405	233.51	.566	.518
40	19.810	35.781	25.409	233.22	.569	.516
41	19.805	35.780	25.410	229.60	.665	.517
42	19.718	35.759	25.417	228.59	.701	.516
43	19.594	35.729	25.426	228.97	.661	.513

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	19.212	35.596	25.423	231.08	.627	.502
45	18.817	35.517	25.464	231.64	.654	.500
46	18.324	35.414	25.510	233.52	.585	.495
47	17.962	35.415	25.600	232.45	.540	.491
48	17.431	35.378	25.702	227.59	.510	.486
49	17.084	35.375	25.783	222.61	.587	.482
50	16.936	35.387	25.828	218.79	.600	.481
52	16.405	35.258	25.854	218.47	.450	.477
54	15.907	35.266	25.974	219.01	.413	.470
56	15.782	35.411	26.115	212.96	.400	.463
58	15.467	35.438	26.206	207.65	.356	.458
60	14.611	35.142	26.167	205.01	.341	.458
62	14.433	35.246	26.286	203.67	.329	.454
64	14.411	35.351	26.371	205.49	.324	.449
66	14.410	35.402	26.411	203.21	.281	.446
68	14.412	35.432	26.434	200.55	.247	.444
70	14.442	35.454	26.445	196.84	.243	.444
72	14.477	35.474	26.452	194.57	.238	.443
74	14.460	35.534	26.502	194.20	.226	.437
76	14.398	35.542	26.522	191.67	.209	.437
78	14.354	35.543	26.532	188.54	.188	.437
80	14.336	35.559	26.549	188.42	.178	.436
82	14.313	35.570	26.562	187.19	.173	.434
84	14.299	35.576	26.569	186.75	.165	.433
86	14.258	35.596	26.594	185.42	.160	.432
88	14.228	35.615	26.615	183.67	.149	.429
90	14.214	35.638	26.636	182.82	.141	.429
92	14.144	35.645	26.656	180.55	.131	.427
94	14.043	35.650	26.681	177.16	.113	.426
96	13.987	35.657	26.699	176.17	.107	.425
98	13.921	35.636	26.696	176.43	.108	.425
100	13.690	35.599	26.716	177.33	.094	.424
102	13.614	35.607	26.738	179.24	.094	.423
104	13.539	35.595	26.744	179.76	.082	.423
106	13.523	35.599	26.750	182.20	.078	.423
108	13.465	35.580	26.748	181.19	.082	.423
110	13.380	35.568	26.756	180.23	.073	.424
112	13.320	35.569	26.769	181.38	.073	.422
114	13.262	35.580	26.790	180.90	.077	.423
116	13.252	35.585	26.796	180.34	.069	.423
118	13.204	35.572	26.795	179.04	.067	.424
120	13.168	35.593	26.819	177.84	.070	.422
122	13.173	35.593	26.818	172.58	.071	.423
124	13.113	35.573	26.815	172.92	.074	.423
126	13.022	35.566	26.827	172.99	.068	.423
128	12.945	35.561	26.839	172.57	.067	.424
130	12.881	35.556	26.848	171.74	.068	.424
132	12.830	35.562	26.863	170.10	.064	.426
134	12.818	35.565	26.868	165.67	.063	.429
136	12.817	35.580	26.880	163.98	.065	.429
138	12.778	35.568	26.878	164.27	.063	.429

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
140	12.746	35.564	26.882	163.28	.065	.427
142	12.715	35.567	26.890	161.24	.064	.425
144	12.642	35.546	26.889	160.49	.064	.426
146	12.562	35.548	26.906	160.02	.066	.425
148	12.519	35.553	26.918	158.45	.065	.424
150	12.506	35.550	26.919	156.91	.064	.427
155	12.386	35.537	26.932	155.04	.066	.428
160	12.173	35.499	26.944	151.76	.065	.429
165	12.095	35.506	26.965	149.50	.063	.429
170	12.069	35.501	26.966	149.36	.063	.429
175	11.944	35.480	26.974	147.58	.067	.429
180	11.733	35.458	26.996	146.18	.061	.440
185	11.691	35.460	27.006	146.91	.066	.432
190	11.506	35.425	27.014	140.56	.061	.431
195	11.105	35.381	27.054	145.08	.064	.432
200	10.974	35.370	27.069	141.82	.065	.437
205	10.807	35.354	27.087	143.42	.067	.431
210	10.651	35.328	27.095	142.19	.066	.430
215	10.509	35.316	27.111	142.56	.063	.432
220	10.444	35.311	27.118	141.84	.061	.431
225	10.279	35.290	27.131	141.93	.058	.431
230	10.107	35.275	27.149	140.82	.065	.432
235	9.967	35.264	27.164	140.59	.063	.431
240	9.928	35.258	27.166	141.14	.063	.430
245	9.886	35.252	27.169	139.33	.063	.429
250	9.760	35.238	27.180	141.39	.067	.429
255	9.554	35.208	27.190	141.34	.064	.429
260	9.310	35.194	27.220	143.49	.063	.430
265	9.238	35.187	27.227	142.36	.067	.431
270	9.168	35.179	27.231	143.43	.067	.431
275	9.009	35.163	27.245	139.78	.063	.430
280	8.868	35.148	27.255	145.13	.061	.431
285	8.779	35.146	27.268	146.90	.064	.431
290	8.580	35.123	27.282	148.69	.062	.429
295	8.485	35.121	27.295	149.32	.060	.430
300	8.358	35.112	27.308	150.94	.062	.429
310	8.107	35.098	27.335	152.74	.065	.429
320	8.029	35.099	27.348	156.31	.063	.430
330	7.900	35.094	27.363	159.67	.065	.431
340	7.714	35.075	27.375	163.49	.066	.432
350	7.620	35.077	27.391	166.64	.066	.432
360	7.562	35.078	27.400	167.77	.065	.435
370	7.324	35.063	27.423	173.56	.060	.438
380	7.068	35.050	27.449	178.04	.062	.429
390	6.864	35.050	27.478	180.96	.058	.432
400	6.664	35.040	27.497	186.70	.062	.436
410	6.517	35.032	27.510	192.14	.057	.440
420	6.421	35.033	27.524	191.27	.060	.437
430	6.304	35.027	27.535	197.89	.060	.436
440	6.181	35.017	27.543	200.63	.056	.441
450	6.091	35.022	27.558	202.33	.058	.445

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
460	5.926	35.005	27.566	205.11	.058	.429
470	5.880	35.015	27.580	209.91	.059	.430
480	5.755	35.008	27.590	212.57	.057	.429
490	5.692	35.003	27.594	215.38	.055	.424
500	5.563	35.001	27.608	216.95	.057	.423
510	5.512	35.002	27.616	216.55	.057	.424
520	5.486	35.009	27.624	220.94	.058	.428
530	5.449	35.000	27.622	220.90	.061	.427
540	5.404	34.999	27.627	221.06	.056	.425
550	5.290	34.999	27.641	220.58	.054	.425
560	5.268	35.003	27.646	222.61	.055	.426
570	5.225	35.002	27.650	223.93	.056	.428
580	5.166	34.998	27.655	223.50	.054	.429
590	5.102	34.996	27.660	225.99	.054	.430
600	5.040	34.995	27.667	235.56	.054	.424
610	5.017	34.997	27.671	240.05	.059	.423
620	5.000	34.997	27.673	238.24	.053	.422
630	4.981	34.993	27.672	241.52	.054	.422
640	4.944	34.988	27.673	245.84	.056	.423
650	4.866	34.985	27.679	247.40	.053	.426
660	4.843	34.986	27.682	249.32	.056	.429
670	4.816	34.983	27.683	247.35	.057	.434
680	4.785	34.983	27.687	250.00	.049	.426
690	4.766	34.984	27.689	251.28	.057	.446
700	4.748	34.983	27.691	250.02	.056	.449
710	4.721	34.982	27.693	253.00	.055	.447
720	4.704	34.982	27.695	251.81	.055	.444
730	4.695	34.981	27.695	249.61	.052	.444
740	4.663	34.981	27.699	251.48	.055	.446
750	4.655	34.981	27.700	252.54	.055	.446
760	4.650	34.981	27.701	250.61	.050	.445
770	4.648	34.980	27.700	250.71	.051	.445
780	4.645	34.981	27.701	251.98	.052	.444
790	4.642	34.981	27.702	250.54	.057	.445
800	4.633	34.980	27.701	248.98	.054	.445
810	4.622	34.980	27.703	251.73	.051	.444
820	4.617	34.979	27.703	252.08	.052	.443
830	4.605	34.979	27.704	251.72	.054	.443
840	4.586	34.977	27.705	253.08	.055	.442
850	4.578	34.978	27.706	251.69	.053	.441
860	4.576	34.979	27.707	251.47	.054	.439
870	4.578	34.978	27.707	251.84	.053	.440
880	4.562	34.977	27.708	252.04	.052	.439
890	4.555	34.977	27.708	252.85	.051	.441
900	4.549	34.977	27.709	251.49	.053	.439
910	4.524	34.975	27.710	252.03	.053	.437
920	4.502	34.976	27.713	251.93	.050	.436
930	4.491	34.975	27.714	254.84	.047	.436
940	4.475	34.985	27.723	254.98	.048	.437
950	4.474	34.981	27.720	253.73	.052	.437
960	4.463	34.973	27.715	252.82	.051	.437

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
970	4.431	34.973	27.718	253.50	.049	.437
980	4.426	34.975	27.721	253.73	.054	.437
990	4.418	34.973	27.720	254.15	.054	.436
1000	4.407	34.972	27.720	254.73	053	.434
1010	4.394	34.970	27.720	254.87	.052	.433
1020	4.376	34.970	27.722	254.43	.051	.437
1030	4.340	34.968	27.724	254.05	.049	.431
1040	4.332	34.968	27.725	255.85	.051	.429
1050	4.322	34.968	27.727	257.24	.049	.427
1060	4.316	34.968	27.727	262.93	.053	.425
1070	4.305	34.968	27.728	267.55	.049	.422
1080	4.297	34.968	27.729	268.71	.048	.422
1090	4.296	34.967	27.729	269.87	.051	.422
1100	4.273	34.965	27.730	268.26	.050	.423
1110	4.253	34.964	27.731	266.04	.053	.424
1120	4.249	34.965	27.732	267.91	.047	.425
1130	4.251	34.964	27.731	269.16	.050	.425
1140	4.222	34.965	27.735	270.17	.050	.424
1150	4.213	34.962	27.734	269.74	.050	.424
1160	4.202	34.963	27.736	270.63	.048	.423
1170	4.182	34.962	27.736	268.08	.050	.424
1180	4.161	34.961	27.738	268.93	.050	.426
1189	4.101	34.959	27.743	269.10	.049	.433
1190	4.100	34.958	27.742	267.96	.048	.433
1191	4.099	34.959	27.743	269.21	.049	.433
1192	4.099	34.958	27.742	270.25	.047	.433
1193	4.116	34.961	27.743	269.66	.050	.430
1194	4.123	34.960	27.741	271.10	.052	.429
1195	4.124	34.963	27.744	271.08	.048	.429
1196	4.127	34.958	27.740	271.51	.050	.429
1197	4.110	34.957	27.740	270.33	.049	.431
1198	4.107	34.958	27.742	270.97	.051	.431
1199	4.103	34.959	27.742	271.14	.048	.433
1200	4.104	34.959	27.743	272.15	.049	.433
1201	4.103	34.959	27.743	271.69	.050	.435
1202	4.105	34.960	27.743	271.88	.049	.432

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
17	20 OCT 88	0512	37 22.84	74 21.73	1059	1057

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
4	16.977	33.817	24.612	250.64	.795	.635
5	16.976	33.815	24.612	250.59	.767	.629
6	16.973	33.815	24.612	250.82	.834	.628
7	16.971	33.813	24.611	248.04	.822	.628
8	16.967	33.810	24.610	248.17	.801	.628
9	16.969	33.811	24.610	247.46	.838	.628
10	16.990	33.830	24.620	247.53	.839	.627
11	17.020	33.846	24.625	246.01	.797	.626
12	17.036	33.846	24.621	245.13	.820	.624
13	17.047	33.856	24.626	244.71	.862	.626
14	17.074	33.884	24.641	246.69	.838	.625
15	17.200	34.006	24.705	248.28	.871	.617
16	17.426	34.162	24.771	248.16	.799	.606
17	17.557	34.215	24.780	249.02	.753	.600
18	17.580	34.191	24.755	248.41	.749	.598
19	17.742	34.383	24.864	245.92	.848	.591
20	18.195	34.709	25.002	243.60	.726	.565
21	18.493	34.901	25.075	241.37	.633	.555
22	18.732	35.029	25.112	240.74	.603	.546
23	18.805	35.046	25.107	240.98	.558	.538
24	18.319	35.051	25.107	241.11	.548	.535
25	18.819	35.063	25.117	241.76	.549	.531
26	18.808	35.073	25.127	238.36	.512	.529
27	18.764	35.065	25.132	237.50	.500	.520
28	18.381	34.947	25.138	239.69	.518	.522
29	18.000	34.908	25.202	241.35	.647	.530
30	17.531	34.817	25.248	240.76	.696	.541
31	17.087	34.752	25.304	239.23	.731	.544
32	16.600	34.614	25.313	240.55	.743	.543
33	15.965	34.578	25.432	240.81	.726	.541
34	15.349	34.404	25.436	239.14	.669	.538
35	14.640	34.350	25.549	238.51	.667	.535
36	13.871	34.402	25.753	227.74	.579	.526
37	12.481	33.809	25.573	238.26	.646	.530
38	12.076	33.962	25.769	236.06	.738	.528
39	11.820	33.884	25.757	235.34	.684	.524
40	11.600	33.819	25.747	234.88	.598	.522
41	11.433	33.840	25.794	234.57	.558	.521
42	11.141	33.734	25.765	231.29	.536	.518
43	10.332	33.560	25.772	235.80	.496	.517
44	9.804	33.515	25.825	234.15	.458	.512

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
45	9.658	33.486	25.827	233.22	.447	.507
46	9.469	33.477	25.851	231.54	.377	.498
47	9.431	33.497	25.873	228.36	.283	.480
48	9.451	33.514	25.883	226.25	.272	.476
49	9.470	33.515	25.881	226.33	.258	.476
50	9.538	33.538	25.887	231.49	.245	.472
52	9.751	33.642	25.934	221.05	.212	.469
54	9.869	33.681	25.944	219.43	.198	.464
56	9.968	33.725	25.962	219.59	.191	.463
58	10.114	33.800	25.996	218.37	.170	.459
60	10.202	33.810	25.989	217.71	.165	.457
62	10.273	33.841	26.001	217.17	.157	.456
64	10.350	33.866	26.007	215.74	.155	.456
66	10.466	33.927	26.035	223.02	.158	.456
68	10.523	33.936	26.032	213.35	.158	.454
70	10.640	33.992	26.055	212.13	.158	.452
72	10.703	34.012	26.059	211.88	.142	.451
74	10.822	34.086	26.096	210.11	.138	.447
76	11.055	34.195	26.139	210.15	.135	.448
78	11.243	34.253	26.150	209.79	.133	.445
80	11.480	34.359	26.190	207.85	.131	.439
82	11.649	34.438	26.219	207.28	.131	.440
84	11.723	34.482	26.240	206.07	.135	.438
86	11.903	34.581	26.283	205.37	.135	.438
88	12.023	34.666	26.326	204.75	.128	.438
90	12.244	34.730	26.333	204.62	.124	.437
92	12.392	34.808	26.365	202.43	.128	.437
94	12.502	34.830	26.361	200.97	.129	.436
96	12.438	34.825	26.369	199.48	.122	.436
98	12.544	34.914	26.417	199.55	.123	.437
100	12.705	35.010	26.460	199.81	.118	.437
102	12.826	35.059	26.474	197.54	.121	.437
104	12.841	35.111	26.511	196.94	.116	.437
106	12.873	35.143	26.529	197.46	.107	.437
108	12.902	35.174	26.548	196.09	.110	.437
110	12.950	35.224	26.577	195.00	.105	.438
112	13.074	35.358	26.656	191.98	.097	.442
114	13.216	35.387	26.650	190.89	.100	.442
116	13.271	35.401	26.649	189.02	.102	.442
118	13.227	35.385	26.646	188.99	.103	.441
120	13.082	35.376	26.668	188.89	.093	.443
122	12.956	35.359	26.680	188.09	.103	.445
124	12.924	35.363	26.690	188.62	.093	.445
126	12.794	35.337	26.696	187.96	.092	.448
128	12.739	35.367	26.730	187.58	.083	.450
130	12.721	35.380	26.744	187.60	.084	.452
132	12.593	35.344	26.741	186.33	.079	.461
134	12.499	35.343	26.759	185.51	.075	.468
136	12.412	35.343	26.777	183.34	.080	.474
138	12.346	35.336	26.784	181.52	.080	.481
140	12.357	35.358	26.798	181.03	.086	.481

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
142	12.320	35.367	26.813	180.19	.079	.480
144	12.255	35.356	26.817	178.55	.080	.483
146	12.243	35.366	26.827	178.14	.077	.483
148	12.251	35.387	26.842	176.68	.075	.480
150	12.228	35.402	26.858	175.82	.078	.478
155	12.278	35.473	26.904	171.00	.070	.463
160	12.621	35.599	26.933	157.94	.062	.421
165	12.188	35.506	26.946	151.53	.065	.421
170	11.862	35.477	26.987	150.89	.060	.426
175	11.534	35.438	27.018	151.92	.062	.434
180	11.404	35.414	27.024	150.31	.066	.433
185	11.080	35.366	27.047	148.19	.064	.432
190	10.812	35.355	27.087	147.82	.064	.429
195	10.689	35.337	27.095	146.03	.062	.429
200	10.398	35.302	27.119	146.46	.062	.429
205	10.229	35.269	27.123	145.81	.065	.422
210	10.026	35.249	27.142	142.89	.066	.420
215	9.877	35.231	27.154	144.00	.062	.421
220	9.660	35.211	27.175	150.90	.066	.421
225	9.519	35.201	27.191	142.29	.064	.420
230	9.394	35.178	27.194	142.87	.063	.420
235	9.186	35.172	27.223	143.42	.059	.421
240	9.130	35.176	27.235	144.49	.063	.426
245	9.000	35.156	27.240	146.43	.065	.428
250	8.782	35.145	27.267	147.61	.064	.425
255	8.761	35.146	27.272	149.76	.063	.429
260	8.639	35.130	27.278	149.78	.065	.425
265	8.508	35.102	27.276	150.64	.061	.425
270	8.436	35.123	27.305	151.48	.061	.430
275	8.411	35.122	27.307	153.42	.058	.431
280	8.378	35.117	27.308	154.09	.062	.432
285	8.208	35.103	27.323	154.29	.062	.433
290	8.136	35.102	27.334	158.09	.060	.432
295	7.982	35.089	27.347	158.05	.059	.432
300	7.873	35.088	27.362	162.25	.063	.433
310	7.631	35.071	27.385	164.97	.060	.438
320	7.483	35.072	27.407	169.33	.059	.438
330	7.362	35.068	27.422	171.50	.057	.442
340	7.219	35.058	27.434	173.42	.063	.442
350	7.064	35.056	27.454	178.04	.057	.444
360	6.954	35.051	27.465	181.42	.061	.444
370	6.839	35.048	27.479	182.23	.062	.445
380	6.794	35.048	27.485	184.00	.057	.445
390	6.754	35.045	27.489	186.19	.055	.445
400	6.712	35.044	27.494	187.51	.058	.446
410	6.530	35.036	27.512	190.75	.057	.441
420	6.247	35.024	27.540	199.62	.061	.433
430	6.058	35.021	27.562	206.29	.058	.437
440	5.904	35.013	27.576	206.73	.059	.444
450	5.758	35.012	27.593	211.04	.056	.442
460	5.695	35.013	27.602	211.63	.057	.443

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
470	5.632	35.008	27.606	213.54	.054	.442
480	5.619	35.010	27.609	212.48	.060	.441
490	5.593	35.009	27.611	212.40	.055	.437
500	5.565	35.009	27.615	211.34	.055	.435
510	5.527	35.006	27.617	210.69	.055	.435
520	5.484	35.004	27.621	218.94	.057	.434
530	5.412	35.002	27.628	225.29	.056	.436
540	5.373	34.998	27.630	226.51	.058	.436
550	5.347	35.003	27.637	224.66	.054	.438
560	5.266	35.000	27.644	230.02	.054	.436
570	5.246	35.003	27.649	236.99	.051	.429
580	5.200	34.996	27.649	237.72	.052	.428
590	5.123	34.994	27.657	239.96	.054	.429
600	5.075	34.992	27.660	241.26	.052	.438
610	5.018	34.993	27.668	243.52	.055	.438
620	5.010	34.992	27.668	242.27	.052	.440
630	5.003	34.992	27.669	243.40	.057	.437
640	4.994	34.991	27.669	241.32	.054	.437
650	4.978	34.991	27.671	243.66	.055	.443
660	4.974	34.991	27.671	242.92	.055	.444
670	4.968	34.989	27.670	240.43	.050	.447
680	4.951	34.990	27.673	242.39	.050	.447
690	4.943	34.985	27.670	240.67	.052	.449
700	4.901	34.988	27.677	244.42	.054	.447
710	4.852	34.984	27.680	243.44	.054	.446
720	4.830	34.985	27.683	244.66	.058	.444
730	4.821	34.983	27.683	245.23	.052	.445
740	4.801	34.984	27.686	246.35	.053	.445
750	4.785	34.982	27.686	246.09	.051	.444
760	4.779	34.983	27.687	244.97	.051	.444
770	4.773	34.982	27.687	246.88	.058	.444
780	4.767	34.983	27.689	245.45	.049	.443
790	4.766	34.984	27.689	247.14	.054	.441
800	4.771	34.976	27.683	246.15	.051	.441
810	4.761	34.982	27.689	246.15	.050	.439
820	4.751	34.981	27.689	247.44	.052	.438
830	4.729	34.981	27.692	246.14	.054	.437
840	4.712	34.981	27.694	246.66	.051	.436
850	4.706	34.980	27.693	247.15	.055	.437
860	4.703	34.982	27.695	248.39	.052	.436
870	4.698	34.979	27.694	248.82	.055	.446
880	4.698	34.981	27.695	249.80	.055	.437
890	4.698	34.981	27.695	249.13	.048	.437
900	4.691	34.981	27.696	249.04	.054	.437
910	4.690	34.979	27.695	250.18	.059	.437
920	4.681	34.980	27.696	247.82	.053	.437
930	4.674	34.980	27.697	248.63	.045	.436
940	4.607	34.977	27.702	250.16	.056	.446
950	4.599	34.977	27.703	251.84	.051	.447
960	4.587	34.976	27.704	250.17	.054	.451
970	4.584	34.979	27.706	249.90	.057	.452

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
980	4.565	34.975	27.705	250.58	.053	.460
990	4.514	34.974	27.711	249.49	.052	.468
1000	4.495	34.973	27.712	250.00	.052	.481
1010	4.474	34.971	27.713	250.71	.050	.486
1020	4.443	34.972	27.716	249.92	.053	.490
1030	4.398	34.971	27.721	252.60	.054	.489
1040	4.385	34.970	27.721	254.21	.051	.490
1044	4.379	34.970	27.722	258.47	.051	.489
1045	4.376	34.970	27.722	257.46	.056	.488
1046	4.372	34.968	27.721	258.39	.051	.485
1047	4.369	34.970	27.723	257.55	.052	.487
1048	4.365	34.969	27.722	258.61	.054	.487
1049	4.361	34.970	27.724	259.01	.052	.483
1050	4.356	34.972	27.726	257.29	.049	.480
1051	4.347	34.967	27.723	257.85	.051	.481
1052	4.342	34.969	27.725	258.86	.053	.477
1053	4.338	34.969	27.725	261.32	.055	.478
1054	4.302	34.962	27.724	261.82	.055	.468
1055	4.291	34.964	27.727	261.65	.053	.465
1056	4.288	34.967	27.729	262.49	.054	.467
1057	4.279	34.966	27.729	263.62	.053	.468
1058	4.265	34.962	27.728	263.96	.050	.470
1059	4.254	34.965	27.731	263.83	.055	.473

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
18	20 OCT 88	0708	37 24.98	74 26.63	715	713

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	16.181	33.469	24.530	262.14	.831	.628
4	16.202	33.477	24.531	260.54	.783	.638
5	16.160	33.426	24.501	259.67	.763	.627
6	16.127	33.436	24.517	259.21	.752	.631
7	16.127	33.441	24.521	259.11	.830	.631
8	16.131	33.443	24.522	256.89	.822	.627
9	16.161	33.483	24.545	256.57	.811	.627
10	16.371	33.611	24.596	253.67	.849	.622
11	16.404	33.584	24.567	253.40	.758	.618
12	16.417	33.594	24.572	253.53	.765	.618
13	16.590	33.791	24.683	252.96	.745	.611
14	17.020	34.030	24.766	251.21	.784	.592
15	17.253	34.116	24.777	252.36	.752	.592
16	17.654	34.315	24.833	249.78	.688	.572
17	18.059	34.692	25.023	246.54	.630	.550
18	18.426	34.892	25.085	244.76	.557	.524
19	18.632	34.999	25.115	245.74	.497	.517
20	18.914	35.224	25.215	245.48	.437	.512
21	18.993	35.224	25.195	245.33	.413	.510
22	19.050	35.272	25.218	245.13	.422	.505
23	19.105	35.315	25.236	244.72	.426	.505
24	19.163	35.378	25.269	240.61	.403	.505
25	19.284	35.482	25.318	239.10	.424	.510
26	19.393	35.573	25.359	238.15	.487	.520
27	19.563	35.679	25.396	238.54	.639	.517
28	19.618	35.667	25.372	239.91	.604	.519
29	19.637	35.669	25.369	240.82	.676	.524
30	19.659	35.683	25.374	242.01	.608	.523
31	19.670	35.68?	25.371	242.07	.541	.520
32	19.683	35.694	25.376	236.90	.484	.520
33	19.698	35.696	25.374	236.77	.515	.520
34	19.719	35.709	25.378	236.53	.546	.519
35	19.712	35.703	25.375	237.15	.526	.526
36	19.701	35.698	25.375	239.33	.572	.532
37	19.688	35.696	25.376	239.14	.654	.534
38	19.677	35.696	25.379	237.30	.629	.539
39	19.678	35.699	25.381	236.95	.761	.545
40	19.684	35.703	25.383	238.28	.961	.544
41	19.691	35.705	25.382	238.84	.956	.545
42	19.693	35.705	25.382	237.72	.823	.546
43	19.696	35.707	25.383	238.13	1.222	.543

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	19.697	35.705	25.381	238.53	1.509	.541
45	19.697	35.706	25.381	238.55	1.153	.541
46	19.695	35.709	25.384	238.78	1.091	.541
47	19.669	35.689	25.376	236.00	.772	.537
48	19.614	35.659	25.367	232.42	.688	.542
49	19.534	35.633	25.368	232.31	.757	.540
50	19.505	35.634	25.377	233.48	.733	.541
52	19.214	35.456	25.316	237.26	.949	.539
54	18.021	35.136	25.372	242.81	.850	.543
56	14.481	34.045	25.348	251.73	.691	.528
84	12.809	34.879	26.338	196.98	.277	.476
86	13.524	34.779	26.116	196.66	.309	.465
88	12.788	34.603	26.128	202.15	.267	.463
90	12.777	34.667	26.180	201.80	.249	.459
92	12.637	34.696	26.230	201.83	.209	.453
94	12.439	34.642	26.227	201.63	.194	.446
96	12.619	34.797	26.312	199.37	.190	.446
98	12.495	34.699	26.260	199.73	.199	.442
100	12.386	34.784	26.347	199.93	.144	.437
102	12.428	34.810	26.360	197.61	.136	.437
104	12.501	34.900	26.415	197.25	.125	.437
106	12.828	35.063	26.477	194.59	.121	.438
108	13.105	35.151	26.489	194.43	.123	.439
110	13.203	35.167	26.482	192.04	.127	.440
112	13.187	35.156	26.476	191.06	.122	.440
114	13.161	35.150	26.477	191.03	.122	.440
116	13.052	35.174	26.518	190.42	.119	.439
118	13.082	35.206	26.537	190.04	.113	.439
120	13.064	35.218	26.549	188.76	.114	.441
122	13.097	35.266	26.580	187.80	.108	.446
124	13.085	35.288	26.600	187.32	.101	.441
126	13.070	35.295	26.608	186.41	.099	.439
128	13.064	35.324	26.632	184.46	.100	.439
130	13.062	35.348	26.651	182.86	.098	.439
132	13.041	35.362	26.666	183.22	.090	.441
134	13.042	35.376	26.677	183.47	.087	.441
136	13.026	35.385	26.686	184.42	.093	.441
138	13.019	35.396	26.697	182.95	.093	.441
140	12.995	35.398	26.703	182.20	.089	.442
142	12.951	35.399	26.712	182.59	.096	.442
144	12.982	35.456	26.750	181.88	.085	.441
146	12.969	35.460	26.756	180.74	.083	.441
148	12.949	35.461	26.761	179.36	.084	.441
150	12.863	35.456	26.774	177.60	.091	.443
155	12.822	35.479	26.800	176.19	.078	.444
160	12.789	35.495	26.820	173.35	.075	.443
165	12.539	35.479	26.857	168.92	.077	.442
170	12.038	35.431	26.917	164.51	.078	.443
175	11.806	35.445	26.973	160.48	.070	.441
180	11.426	35.397	27.007	157.34	.070	.437
185	11.178	35.382	27.041	150.50	.070	.433

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
190	11.009	35.372	27.064	150.06	.065	.431
195	10.827	35.347	27.078	146.64	.061	.429
200	10.645	35.332	27.098	146.51	.065	.429
205	10.459	35.317	27.120	144.92	.066	.431
210	10.367	35.303	27.125	145.38	.063	.430
215	10.276	35.296	27.136	144.45	.060	.430
220	10.154	35.277	27.142	145.02	.063	.431
225	9.993	35.259	27.156	146.22	.065	.432
230	9.943	35.263	27.168	144.40	.066	.431
235	9.783	35.241	27.178	144.12	.066	.434
240	9.659	35.235	27.194	144.99	.068	.434
245	9.564	35.225	27.202	144.68	.063	.435
250	9.540	35.225	27.206	145.16	.063	.436
255	9.494	35.209	27.202	146.36	.059	.436
260	9.467	35.215	27.210	145.80	.062	.435
265	9.238	35.187	27.227	145.74	.063	.435
270	9.100	35.171	27.236	146.70	.066	.435
275	9.028	35.159	27.238	147.34	.064	.434
280	8.993	35.166	27.250	147.63	.065	.433
285	8.959	35.166	27.255	146.64	.063	.433
290	8.869	35.152	27.259	147.43	.060	.437
295	8.775	35.139	27.263	150.10	.065	.438
300	8.674	35.146	27.285	149.71	.065	.444
310	8.345	35.126	27.320	154.23	.065	.454
320	8.041	35.109	27.354	159.72	.062	.472
330	7.627	35.089	27.400	166.55	.063	.480
340	7.173	35.066	27.447	176.28	.067	.491
350	6.984	35.060	27.469	179.99	.061	.488
360	6.892	35.053	27.476	181.20	.060	.479
370	6.539	35.034	27.509	190.24	.059	.454
380	6.361	35.032	27.531	192.13	.062	.438
390	6.278	35.032	27.542	197.14	.058	.443
400	6.224	35.030	27.548	201.23	.060	.442
410	6.137	35.026	27.556	201.54	.060	.448
420	6.042	35.021	27.564	203.70	.057	.458
430	5.958	35.021	27.575	208.31	.061	.472
440	5.853	35.015	27.583	209.23	.059	.478
450	5.838	35.015	27.585	210.99	.058	.490
460	5.823	35.016	27.587	212.74	.059	.494
470	5.768	35.015	27.594	212.81	.061	.536
480	5.763	35.013	27.593	212.82	.064	.530
490	5.731	35.014	27.598	211.76	.064	.525
500	5.666	35.009	27.602	212.50	.061	.554
510	5.657	35.012	27.606	215.19	.060	.548
520	5.621	35.010	27.609	213.73	.063	.549
530	5.539	35.007	27.616	214.91	.059	.535
540	5.540	35.008	27.617	217.02	.062	.541
550	5.505	35.004	27.618	215.28	.057	.540
560	5.502	35.008	27.622	217.42	.064	.538
570	5.485	35.007	27.623	225.20	.059	.539
580	5.400	35.004	27.631	225.79	.062	.563

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
590	5.393	35.004	27.632	226.30	.063	.561
600	5.330	35.000	27.636	230.28	.061	.590
610	5.318	35.000	27.638	234.56	.067	.577
620	5.313	35.001	27.639	233.07	.064	.594
630	5.321	35.002	27.639	234.31	.064	.580
640	5.337	35.002	27.637	227.52	.062	.576
650	5.333	35.000	27.636	229.10	.063	.587
660	5.332	35.003	27.638	227.72	.061	.577
670	5.305	34.997	27.637	229.45	.060	.583
680	5.265	35.001	27.645	230.69	.060	.595
690	5.226	34.997	27.647	233.40	.060	.593
700	5.216	34.998	27.648	230.98	.060	.594
701	5.219	34.999	27.649	231.15	.062	.601
702	5.222	34.998	27.647	232.21	.065	.602
703	5.219	34.998	27.648	232.26	.061	.601
704	5.219	34.999	27.648	233.20	.059	.596
705	5.215	34.999	27.649	232.33	.064	.588
706	5.213	34.997	27.648	231.67	.063	.589
707	5.214	34.996	27.647	231.86	.064	.589
708	5.213	34.997	27.648	231.65	.061	.589
709	5.212	34.998	27.649	230.52	.062	.588
710	5.212	34.997	27.648	228.98	.064	.593
711	5.212	34.997	27.648	228.07	.064	.601
712	5.202	34.996	27.649	228.58	.069	.622
713	5.192	34.997	27.650	230.32	.062	.690
714	5.199	34.997	27.650	230.47	.066	.658

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
19	20 OCT 88	0844	37 28.39	74 30.54	200	198

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	16.813	34.076	24.850	--------	.947	.746
3	16.818	34.077	24.849	254.06	.942	.648
4	16.817	34.076	24.849	250.90	.858	.607
5	16.816	34.077	24.850	251.64	1.075	.611
6	16.816	34.076	24.850	252.16	1.042	.612
7	16.814	34.077	24.851	252.10	.858	.610
8	16.804	34.070	24.848	252.39	.894	.611
9	16.800	34.070	24.848	253.12	.888	.610
10	16.828	34.089	24.857	252.15	.921	.609
11	16.835	34.085	24.852	253.08	.925	.610
12	16.819	34.075	24.848	252.95	1.046	.608
13	16.806	34.074	24.850	251.47	.953	.611
14	16.833	34.096	24.860	251.57	.963	.614
15	16.857	34.102	24.860	250.94	1.327	.609
16	16.868	34.099	24.855	251.83	1.523	.611
17	16.874	34.103	24.857	249.85	1.199	.611
18	16.888	34.110	24.859	247.57	1.423	.607
19	16.893	34.113	24.860	247.59	1.179	.608
20	16.919	34.136	24.871	248.03	1.056	.602
21	16.933	34.155	24.883	250.28	1.068	.603
22	16.989	34.188	24.894	250.32	.835	.595
23	17.032	34.217	24.906	250.77	1.168	.591
24	17.103	34.253	24.918	249.73	.933	.587
25	17.213	34.334	24.953	249.59	.785	.574
26	17.410	34.426	24.977	247.49	.680	.560
27	17.536	34.477	24.986	247.12	.695	.553
28	17.712	34.511	24.969	246.06	.794	.547
29	17.880	34.601	24.997	244.47	.707	.529
30	18.018	34.686	25.028	242.39	.631	.521
31	18.126	34.728	25.034	241.99	.512	.515
32	18.129	34.709	25.018	240.99	.458	.492
33	17.953	34.614	24.989	240.76	.426	.492
34	17.657	34.501	24.975	242.15	.407	.493
35	16.662	34.372	25.113	245.20	.491	.500
36	15.401	33.893	25.031	245.70	.499	.507
37	14.960	33.891	25.127	243.81	.478	.509
38	14.639	33.839	25.156	240.50	.482	.508
39	13.969	33.810	25.274	238.02	.514	.512
40	13.355	33.635	25.265	235.73	.488	.514
41	13.225	33.661	25.312	230.71	.500	.515
42	13.094	33.628	25.312	229.52	.489	.517

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	12.911	33.600	25.326	228.55	.512	.516
44	12.766	33.609	25.362	226.88	.511	.516
45	12.559	33.531	25.342	224.47	.552	.518
46	12.142	33.427	25.341	224.28	.550	.520
47	11.936	33.446	25.395	223.53	.547	.519
48	11.684	33.385	25.394	221.64	.570	.520
49	11.187	33.242	25.374	221.87	.618	.525
50	10.843	33.214	25.413	221.38	.548	.525
52	10.277	33.171	25.477	219.95	.499	.528
54	10.118	33.114	25.460	217.67	.506	.525
56	12.064	33.975	25.781	209.29	.463	.496
58	12.376	34.139	25.849	216.01	.391	.488
60	12.342	34.151	25.864	221.64	.349	.477
62	12.264	34.135	25.867	222.14	.338	.476
64	12.272	34.165	25.889	221.07	.324	.478
66	12.180	34.143	25.890	220.71	.309	.473
68	11.776	34.120	25.948	219.05	.290	.469
70	11.701	34.170	26.001	219.39	.261	.462
72	11.685	34.223	26.046	214.92	.229	.458
74	11.692	34.250	26.065	212.35	.238	.458
76	11.369	34.145	26.044	211.69	.219	.463
78	11.295	34.231	26.124	208.54	.217	.464
80	11.343	34.255	26.133	205.49	.234	.464
82	11.395	34.293	26.153	203.58	.210	.465
84	11.489	34.346	26.178	203.99	.249	.463
86	11.592	34.392	26.194	202.66	.218	.458
88	11.936	34.616	26.304	200.50	.183	.456
90	12.251	34.657	26.275	202.14	.193	.456
92	12.435	34.662	26.243	200.71	.177	.449
94	12.507	34.678	26.242	199.30	.173	.447
96	12.521	34.691	26.249	199.40	.192	.448
98	12.536	34.706	26.257	200.88	.189	.449
100	12.510	34.696	26.255	200.50	.170	.450
102	12.527	34.727	26.276	200.03	.165	.451
104	12.519	34.722	26.274	200.51	.198	.451
106	12.354	34.670	26.266	200.09	.196	.457
108	12.317	34.685	26.284	198.90	.184	.460
110	12.291	34.682	26.286	197.81	.195	.462
112	12.275	34.681	26.289	198.51	.218	.463
114	12.284	34.692	26.296	198.64	.226	.463
116	12.304	34.702	26.300	199.05	.288	.463
118	12.303	34.700	26.298	198.82	.302	.464
120	12.311	34.714	26.308	198.54	.235	.464
122	12.326	34.718	26.308	197.92	.220	.463
124	12.350	34.734	26.316	197.82	.201	.463
126	12.339	34.742	26.324	197.01	.233	.467
128	12.359	34.752	26.328	197.01	.300	.465
130	12.433	34.787	26.341	196.22	.239	.464
132	12.447	34.788	26.338	196.77	.221	.463
134	12.490	34.827	26.361	195.94	.225	.461
136	12.814	35.011	26.439	196.59	.187	.447

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	12.880	35.007	26.423	197.83	.139	.445
140	12.883	35.027	26.438	197.58	.137	.445
142	12.906	35.070	26.466	195.19	.140	.449
144	13.013	35.201	26.546	194.67	.147	.446
146	13.017	35.211	26.554	193.13	.129	.444
148	13.016	35.279	26.607	190.75	.125	.446
150	13.013	35.305	26.627	188.99	.179	.448
155	12.538	35.371	26.773	183.80	.107	.490
160	11.879	35.424	26.943	168.26	.091	.458
165	11.672	35.436	26.991	158.38	.077	.457
170	11.373	35.406	27.024	156.48	.094	.457
175	11.160	35.393	27.053	152.13	.070	.462
180	11.010	35.385	27.074	151.37	.073	.480
185	10.918	35.373	27.082	149.88	.071	.483
186	10.909	35.376	27.085	149.36	.074	.480
187	10.891	35.373	27.086	150.08	.081	.474
188	10.860	35.369	27.089	148.31	.073	.468
189	10.810	35.363	27.094	148.18	.080	.463
190	10.803	35.365	27.096	148.04	.076	.474
191	10.804	35.364	27.095	148.50	.071	.487
192	10.802	35.365	27.096	148.55	.075	.493
193	10.801	35.364	27.096	148.96	.074	.494
194	10.799	35.365	27.097	148.93	.071	.493
195	10.797	35.365	27.097	147.59	.078	.495
196	10.792	35.365	27.098	147.74	.073	.496
197	10.793	35.365	27.098	147.87	.072	.499
198	10.793	35.364	27.097	148.36	.076	.503
199	10.791	35.363	27.097	149.98	.075	.505

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
20	20 OCT 88	0944	37 30.00	74 31.73	68	66

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	16.784	33.857	24.689	-------	1.060	.636
4	16.782	33.856	24.689	-------	1.089	.637
5	16.784	33.857	24.689	-------	1.013	.636
6	16.780	33.856	24.689	-------	.951	.636
7	16.780	33.857	24.690	-------	1.168	.635
8	16.777	33.857	24.691	-------	1.266	.636
9	16.777	33.860	24.693	-------	1.045	.635
10	16.789	33.867	24.696	-------	1.021	.635
11	16.806	33.877	24.699	-------	1.024	.634
12	16.804	33.866	24.691	-------	.978	.635
13	16.803	33.870	24.694	-------	1.103	.633
14	16.801	33.870	24.694	-------	1.038	.634
15	16.803	33.870	24.694	-------	1.343	.637
16	16.795	33.865	24.693	-------	1.245	.636
17	16.801	33.875	24.698	-------	1.052	.634
18	16.814	33.880	24.699	-------	.981	.634
19	16.816	33.879	24.698	-------	1.153	.634
20	16.829	33.889	24.703	-------	1.031	.632
21	16.841	33.886	24.698	-------	1.024	.632
22	16.835	33.891	24.703	-------	1.001	.635
23	16.848	33.896	24.704	-------	.988	.633
24	16.846	33.891	24.700	-------	1.324	.632
25	16.861	33.903	24.706	-------	1.275	.632
26	16.864	33.901	24.704	-------	1.011	.631
27	16.868	33.901	24.703	-------	.970	.633
28	16.887	33.920	24.713	-------	1.227	.629
29	16.915	33.946	24.727	-------	1.140	.627
30	16.979	34.005	24.757	-------	.908	.621
31	17.290	34.333	24.934	-------	.978	.597
32	17.827	34.661	25.056	-------	.710	.527
33	17.848	34.615	25.016	-------	.605	.524
34	17.830	34.620	25.024	-------	.603	.536
35	17.890	34.654	25.035	-------	.583	.519
36	17.937	34.671	25.037	-------	.560	.516
37	17.934	34.649	25.021	-------	.544	.517
38	17.745	34.602	25.031	-------	.540	.517
39	17.573	34.576	25.053	-------	1.024	.516
40	17.532	34.591	25.074	-------	.802	.513
41	17.519	34.593	25.079	-------	.555	.512
42	17.290	34.480	25.047	-------	.507	.512
43	16.560	34.377	25.141	-------	.537	.510

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	15.308	33.981	25.120	-------	.531	.504
45	14.369	33.791	25.176	-------	.500	.508
46	13.334	33.706	25.324	-------	.490	.513
47	12.230	33.445	25.338	-------	.477	.513
48	11.468	33.332	25.393	-------	.448	.509
49	10.984	33.289	25.447	-------	.428	.510
50	10.482	33.336	25.571	-------	.430	.512
52	10.237	33.341	25.617	-------	.418	.511
53	10.459	33.540	25.734	-------	.370	.501
54	10.310	33.667	25.859	-------	.337	.495
55	10.255	33.709	25.901	-------	.284	.487
56	10.290	33.732	25.913	-------	.259	.485
57	10.390	33.781	25.934	-------	.276	.485
58	10.421	33.785	25.932	-------	.297	.488
59	10.425	33.786	25.932	-------	.330	.488
60	10.517	33.812	25.936	-------	.297	.492
61	10.620	33.840	25.940	-------	.265	.501
62	10.667	33.853	25.942	-------	.275	.502
63	10.766	33.877	25.943	-------	.276	.507
64	10.885	33.914	25.951	-------	.296	.513

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
21	20 OCT 88	1201	37 42.20	74 20.13	90	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	16.122	32.960	24.152	-------	1.045	.701
3	16.123	32.960	24.152	278.51	1.057	.699
4	16.120	32.960	24.152	247.44	1.204	.700
5	16.117	32.960	24.153	244.99	1.137	.703
6	16.121	32.961	24.153	240.75	1.105	.701
7	16.125	32.961	24.152	243.87	1.161	.699
8	16.128	32.961	24.152	246.68	1.213	.699
9	16.129	32.960	24.151	246.75	1.192	.702
10	16.130	32.959	24.150	244.08	1.138	.697
11	16.130	32.959	24.150	242.67	1.151	.698
12	16.130	32.959	24.150	242.29	1.107	.700
13	16.130	32.959	24.149	241.55	1.105	.702
14	16.130	32.959	24.150	241.85	1.077	.699
15	16.129	32.959	24.150	242.83	1.016	.698
16	16.128	32.960	24.151	244.01	1.019	.696
17	16.131	32.959	24.149	243.98	1.103	.696
18	16.131	32.959	24.150	243.64	1.212	.700
19	16.131	32.959	24.149	242.85	1.067	.697
20	16.131	32.959	24.149	243.35	1.042	.700
21	16.128	32.960	24.151	243.48	.999	.696
22	16.120	32.959	24.152	243.25	1.169	.698
23	16.106	32.960	24.156	243.59	1.494	.696
24	16.101	32.961	24.158	243.48	1.224	.695
25	16.095	32.959	24.158	243.13	1.081	.696
26	16.075	32.959	24.162	243.35	.975	.692
27	16.036	32.961	24.172	245.52	.959	.688
28	15.940	32.965	24.197	245.40	.946	.674
29	15.881	32.981	24.223	245.17	.899	.666
30	15.828	32.988	24.240	244.13	.912	.663
31	15.764	33.001	24.265	241.77	.974	.658

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
22	21 OCT 88	0134	36 51.19	74 32.67	1446	1444

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	16.996	33.513	24.375	-------	1.060	.717
3	17.010	33.511	24.371	260.93	1.088	.696
4	17.011	33.513	24.371	260.16	1.083	.715
5	17.011	33.511	24.370	259.67	1.067	.698
6	17.010	33.510	24.370	260.74	1.053	.694
7	17.009	33.511	24.370	256.97	1.085	.695
8	17.009	33.510	24.370	257.71	1.080	.694
9	17.014	33.515	24.373	259.97	1.058	.694
10	17.048	33.502	24.354	261.22	1.064	.682
11	17.018	33.515	24.371	262.80	1.090	.689
12	17.061	33.563	24.398	262.11	1.087	.664
13	17.102	33.591	24.410	260.74	1.133	.632
14	17.136	33.627	24.429	260.29	1.108	.622
15	17.166	33.654	24.443	259.79	1.143	.614
16	17.167	33.662	24.449	259.29	1.092	.602
17	17.162	33.667	24.454	256.45	1.095	.588
18	17.152	33.666	24.456	254.83	1.424	.575
19	17.139	33.667	24.460	256.04	1.188	.566
20	17.086	33.659	24.466	257.70	1.041	.551
21	17.022	33.670	24.489	258.77	.938	.547
22	16.856	33.680	24.536	260.13	.868	.542
23	16.707	33.733	24.612	256.67	.887	.543
24	16.428	33.799	24.727	253.57	.810	.542
25	16.167	33.837	24.816	247.72	.761	.541
26	15.801	33.761	24.840	246.70	.784	.545
27	14.916	33.603	24.914	250.06	.779	.549
28	14.234	33.610	25.065	252.18	.778	.542
29	13.834	33.651	25.179	252.98	.756	.537
30	13.473	33.675	25.272	251.03	.727	.535
31	13.460	33.774	25.351	241.61	.691	.534
32	12.060	33.351	25.298	240.43	.676	.538
33	11.376	33.339	25.415	239.82	.683	.539
34	11.045	33.282	25.430	238.28	.666	.538
35	10.471	33.156	25.433	237.78	.659	.539
36	10.113	33.172	25.506	236.79	.669	.536
37	9.883	33.189	25.558	234.11	.671	.533
38	9.794	33.224	25.600	230.45	.648	.533
39	9.686	33.204	25.602	226.15	.627	.532
40	9.525	33.181	25.610	224.32	.608	.532
41	9.350	33.140	25.606	224.18	.589	.531
42	9.234	33.250	25.711	222.12	.583	.530

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	9.136	33.131	25.634	221.27	.588	.530
44	8.996	33.119	25.646	220.04	.566	.521
45	8.958	33.150	25.676	220.69	.502	.520
46	8.947	33.155	25.682	221.47	.471	.517
47	8.944	33.166	25.691	220.11	.467	.512
48	8.959	33.180	25.700	219.69	.449	.510
49	8.966	33.179	25.698	218.28	.436	.508
50	8.915	33.163	25.694	219.19	.428	.506
52	8.903	33.198	25.723	218.64	.402	.500
54	8.872	33.236	25.758	219.22	.367	.493
56	9.069	33.336	25.805	217.22	.307	.485
58	9.127	33.337	25.797	217.86	.275	.481
60	9.098	33.350	25.811	218.76	.252	.481
62	9.182	33.373	25.816	220.88	.251	.479
64	9.259	33.415	25.837	219.76	.250	.473
66	9.365	33.461	25.855	218.92	.248	.472
68	9.535	33.523	25.876	220.40	.222	.465
70	9.576	33.512	25.861	218.64	.219	.465
72	9.795	33.633	25.920	215.53	.222	.463
74	10.249	33.859	26.019	212.63	.207	.462
76	11.047	34.136	26.095	210.75	.188	.456
78	11.525	34.296	26.132	209.31	.181	.453
80	11.870	34.447	26.185	206.91	.173	.452
82	13.245	35.333	26.602	199.12	.155	.445
84	13.808	35.271	26.438	199.11	.154	.444
86	13.833	35.248	26.415	198.58	.151	.444
88	14.023	35.339	26.445	194.19	.147	.443
90	14.102	35.347	26.435	193.89	.155	.443
92	14.198	35.404	26.458	193.42	.152	.442
94	14.221	35.424	26.469	190.25	.140	.442
96	14.039	35.411	26.497	190.95	.139	.441
98	13.868	35.429	26.547	191.06	.126	.439
100	13.817	35.438	26.565	188.89	.137	.440
102	13.800	35.432	26.563	187.33	.121	.440
104	13.707	35.413	26.569	187.88	.124	.440
106	13.683	35.421	26.579	188.50	.123	.439
108	13.598	35.396	26.578	189.82	.113	.440
110	13.463	35.381	26.595	190.33	.109	.440
112	13.239	35.333	26.603	189.14	.106	.440
114	12.934	35.324	26.658	189.97	.101	.443
116	12.874	35.356	26.694	188.83	.094	.443
118	12.837	35.374	26.716	189.20	.089	.443
120	12.802	35.388	26.734	187.27	.118	.443
122	12.785	35.393	26.741	186.15	.093	.443
124	12.783	35.417	26.761	185.90	.080	.441
126	12.783	35.427	26.768	185.45	.076	.441
128	12.874	35.516	26.819	184.24	.073	.436
130	12.817	35.487	26.808	181.87	.073	.435
132	12.675	35.466	26.820	179.62	.068	.437
134	12.581	35.450	26.826	178.48	.068	.439
136	12.534	35.460	26.843	177.11	.070	.442

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	12.504	35.457	26.847	176.04	.067	.443
140	12.494	35.457	26.849	176.40	.068	.443
142	12.454	35.455	26.855	175.19	.070	.444
144	12.398	35.456	26.867	174.50	.066	.448
146	12.360	35.457	26.875	171.65	.067	.448
148	12.307	35.462	26.889	171.70	.067	.447
150	12.274	35.469	26.901	170.43	.067	.446
155	12.227	35.467	26.909	165.72	.065	.446
160	12.169	35.469	26.922	165.12	.063	.445
165	11.863	35.453	26.968	162.71	.061	.434
170	11.818	35.465	26.986	156.21	.065	.433
175	11.805	35.463	26.987	155.88	.063	.433
180	11.796	35.463	26.989	155.29	.064	.432
185	11.655	35.447	27.003	153.01	.064	.429
190	11.524	35.437	27.020	151.83	.065	.429
195	11.504	35.443	27.028	151.02	.070	.436
200	11.195	35.399	27.051	150.81	.064	.429
205	11.033	35.376	27.063	148.52	.063	.430
210	10.812	35.357	27.088	148.91	.063	.429
215	10.651	35.342	27.106	146.81	.066	.429
220	10.456	35.306	27.112	147.90	.065	.433
225	10.213	35.277	27.132	147.58	.067	.433
230	10.054	35.270	27.154	146.97	.064	.429
235	9.831	35.252	27.178	147.08	.063	.430
240	9.660	35.221	27.183	146.83	.064	.429
245	9.363	35.182	27.202	147.01	.063	.425
250	9.146	35.173	27.231	147.76	.058	.425
255	9.019	35.160	27.241	147.87	.061	.423
260	8.971	35.159	27.248	149.47	.063	.423
265	8.908	35.153	27.253	149.08	.065	.423
270	8.862	35.152	27.260	148.25	.058	.423
275	8.783	35.139	27.263	149.81	.070	.423
280	8.674	35.134	27.276	150.06	.064	.425
285	8.439	35.120	27.301	152.34	.061	.428
290	8.413	35.122	27.307	152.77	.062	.427
295	8.369	35.120	27.312	154.61	.061	.429
300	8.365	35.120	27.313	155.90	.064	.429
310	8.247	35.110	27.323	156.06	.061	.428
320	8.104	35.103	27.340	160.15	.064	.429
330	7.940	35.095	27.358	164.02	.064	.425
340	7.800	35.088	27.373	162.86	.064	.425
350	7.600	35.077	27.394	168.92	.061	.425
360	7.461	35.076	27.413	170.98	.060	.425
370	7.242	35.064	27.436	177.53	.059	.424
380	6.853	35.048	27.477	181.77	.057	.429
390	6.678	35.045	27.499	191.00	.058	.421
400	6.627	35.039	27.501	192.16	.060	.422
410	6.502	35.036	27.516	194.92	.059	.422
420	6.277	35.028	27.539	200.72	.060	.425
430	6.156	35.022	27.550	202.97	.058	.428
440	6.030	35.022	27.566	206.69	.056	.429

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
450	5.930	35.018	27.576	210.47	.056	.430
460	5.773	35.010	27.590	215.32	.055	.432
470	5.690	35.009	27.600	215.56	.055	.433
480	5.558	35.009	27.616	217.97	.053	.436
490	5.479	35.004	27.621	218.64	.054	.439
500	5.395	35.003	27.631	220.90	.055	.440
510	5.371	35.002	27.633	222.46	.054	.441
520	5.351	35.000	27.634	220.95	.056	.440
530	5.318	35.000	27.638	222.96	.057	.441
540	5.307	35.002	27.640	222.32	.055	.441
550	5.260	34.998	27.643	224.22	.060	.441
560	5.240	34.998	27.646	222.63	.056	.441
570	5.213	34.997	27.648	224.39	.053	.439
580	5.190	34.996	27.650	229.24	.054	.442
590	5.148	34.995	27.654	234.66	.054	.440
600	5.126	34.994	27.656	234.20	.054	.439
610	5.120	34.994	27.657	236.27	.054	.439
620	5.108	34.995	27.659	241.14	.052	.439
630	5.103	34.994	27.658	242.15	.052	.440
640	5.093	34.993	27.659	242.02	.054	.439
650	5.082	34.994	27.661	240.25	.057	.438
660	5.077	34.994	27.662	240.88	.050	.438
670	5.060	34.992	27.662	243.01	.056	.437
680	5.019	34.993	27.667	244.05	.050	.436
690	5.008	34.990	27.666	240.94	.052	.431
700	4.991	34.991	27.669	242.27	.057	.436
710	4.977	34.990	27.670	241.90	.052	.436
720	4.969	34.990	27.671	243.29	.051	.436
730	4.954	34.990	27.673	244.57	.054	.434
740	4.944	34.988	27.673	244.98	.050	.436
750	4.919	34.989	27.676	246.28	.054	.432
760	4.916	34.989	27.677	244.17	.052	.433
770	4.878	34.988	27.680	247.01	.054	.430
780	4.854	34.988	27.683	246.78	.052	.429
790	4.840	34.987	27.684	247.75	.052	.428
800	4.810	34.987	27.687	247.74	.051	.427
810	4.775	34.985	27.689	248.86	.053	.428
820	4.745	34.986	27.694	248.66	.052	.425
830	4.743	34.987	27.695	249.68	.054	.424
840	4.722	34.987	27.697	250.48	.052	.422
850	4.702	34.984	27.697	250.16	.052	.422
860	4.661	34.985	27.702	252.06	.050	.419
870	4.638	34.987	27.706	255.07	.054	.415
880	4.629	34.986	27.707	250.92	.053	.413
890	4.621	34.985	27.707	250.57	.055	.413
900	4.594	34.985	27.710	255.29	.054	.413
910	4.577	34.984	27.711	251.73	.052	.413
920	4.562	34.983	27.712	254.05	.051	.413
930	4.550	34.983	27.714	254.25	.049	.413
940	4.530	34.981	27.714	254.79	.048	.415
950	4.521	34.981	27.715	254.43	.049	.415

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
960	4.514	34.984	27.718	253.63	.051	.413
970	4.500	34.983	27.719	254.79	.051	.414
980	4.465	34.978	27.719	254.94	.050	.418
990	4.435	34.975	27.719	255.78	.052	.427
1000	4.424	34.975	27.721	256.06	.050	.426
1010	4.421	34.976	27.722	255.37	.056	.424
1020	4.414	34.974	27.722	255.38	.048	.425
1030	4.412	34.974	27.721	254.97	.050	.425
1040	4.408	34.973	27.721	256.69	.050	.424
1050	4.405	34.973	27.722	256.26	.048	.424
1060	4.400	34.974	27.723	255.52	.055	.423
1070	4.399	34.974	27.723	256.03	.052	.422
1080	4.397	34.974	27.723	255.33	.048	.419
1090	4.376	34.971	27.723	255.81	.046	.418
1100	4.359	34.971	27.725	255.24	.049	.418
1110	4.347	34.970	27.726	261.07	.049	.418
1120	4.331	34.971	27.728	257.83	.050	.417
1130	4.326	34.971	27.728	259.35	.045	.418
1140	4.307	34.968	27.728	265.11	.049	.421
1150	4.304	34.969	27.729	267.72	.051	.422
1160	4.300	34.969	27.730	270.52	.047	.422
1170	4.287	34.967	27.730	269.21	.054	.422
1180	4.266	34.967	27.731	266.09	.047	.423
1190	4.247	34.965	27.732	270.24	.049	.422
1200	4.233	34.966	27.734	271.02	.049	.419
1210	4.217	34.965	27.735	270.51	.048	.413
1220	4.207	34.965	27.737	272.92	.049	.417
1230	4.185	34.962	27.737	272.82	.053	.416
1240	4.178	34.962	27.738	272.82	.048	.418
1250	4.170	34.962	27.738	274.25	.047	.417
1260	4.151	34.962	27.740	272.21	.049	.419
1270	4.117	34.961	27.743	273.34	.048	.421
1280	4.094	34.958	27.743	272.03	.048	.421
1290	4.080	34.958	27.745	278.05	.048	.862
1300	4.049	34.958	27.748	276.13	.046	.423
1310	4.032	34.957	27.749	272.65	.050	.427
1320	4.014	34.958	27.751	297.15	.050	.421
1330	4.004	34.957	27.752	275.43	.049	.422
1340	4.001	34.957	27.752	273.43	.048	.425
1350	3.982	34.959	27.756	270.47	.049	.424
1360	3.970	34.956	27.754	274.27	.044	.429
1370	3.964	34.956	27.755	276.13	.049	.427
1380	3.961	34.957	27.756	271.53	.046	.424
1390	3.961	34.955	27.755	276.11	.046	.424
1400	3.961	34.956	27.756	274.43	.047	.425
1410	3.963	34.956	27.755	273.90	.047	.424
1420	3.954	34.954	27.754	274.77	.048	.426
1430	3.938	34.955	27.757	276.15	.045	.427
1431	3.937	34.957	27.759	276.65	.046	.426
1432	3.935	34.955	27.757	275.85	.046	.428
1433	3.941	34.955	27.757	274.17	.047	.425

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1434	3.934	34.954	27.756	275.46	.047	.429
1435	3.929	34.955	27.758	276.34	.049	.429
1436	3.925	34.955	27.758	276.26	.045	.429
1437	3.924	34.956	27.759	273.98	.048	.429
1438	3.923	34.955	27.759	273.05	.045	.429
1439	3.923	34.956	27.759	273.80	.047	.430
1440	3.923	34.955	27.759	274.13	.045	.431
1441	3.920	34.956	27.759	275.22	.048	.431
1442	3.921	34.955	27.759	275.86	.045	.432
1443	3.921	34.955	27.759	274.98	.045	.431
1444	3.920	34.955	27.759	275.97	.047	.431
1445	3.919	34.956	27.760	275.62	.047	.432

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
23	21 OCT 88	0310	36 52.07	74 34.42	1015	1013

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	17.088	33.654	24.462	-------	1.005	.662
3	17.094	33.655	24.461	246.42	1.009	.652
4	17.100	33.654	24.459	247.74	.992	.650
5	17.101	33.652	24.457	247.78	.979	.648
6	17.099	33.652	24.457	243.62	1.009	.650
7	17.102	33.654	24.459	241.63	1.010	.650
8	17.105	33.654	24.458	242.81	1.032	.651
9	17.104	33.654	24.457	243.81	1.038	.650
10	17.111	33.656	24.458	245.35	1.009	.649
11	17.110	33.653	24.456	246.60	1.041	.649
12	17.107	33.653	24.456	245.19	1.086	.651
13	17.107	33.652	24.456	244.42	1.086	.651
14	17.103	33.651	24.456	244.84	1.080	.651
15	17.112	33.657	24.458	245.98	1.056	.651
16	17.120	33.655	24.455	247.57	1.061	.651
17	17.120	33.655	24.455	248.31	1.083	.652
18	17.121	33.654	24.454	249.44	1.151	.651
19	17.122	33.654	24.453	249.18	1.081	.651
20	17.121	33.654	24.454	246.84	1.084	.648
21	17.119	33.654	24.454	246.11	1.092	.650
22	17.119	33.654	24.454	246.43	1.110	.648
23	17.117	33.655	24.455	247.12	1.093	.647
24	17.114	33.656	24.457	247.58	1.063	.643
25	17.115	33.656	24.457	247.58	1.048	.643
26	17.115	33.657	24.458	246.55	1.098	.646
27	17.110	33.677	24.474	246.89	1.077	.585
28	17.109	33.680	24.477	247.79	.980	.578
29	17.110	33.687	24.482	248.05	.884	.560
30	17.112	33.693	24.486	248.03	.830	.552
31	17.112	33.694	24.487	248.92	.806	.560
32	17.115	33.727	24.511	244.49	.771	.539
33	17.121	33.839	24.596	241.45	.708	.529
34	17.127	34.098	24.793	238.76	.694	.528
35	16.813	34.131	24.892	239.12	.683	.525
36	15.710	33.903	24.970	244.07	.634	.511
37	14.928	33.859	25.109	243.01	.530	.507
38	13.915	33.656	25.167	243.72	.547	.513
39	12.454	33.348	25.221	242.19	.597	.527
40	11.014	33.297	25.448	239.20	.558	.534
41	10.465	33.310	25.554	230.39	.530	.521
42	10.292	33.308	25.582	228.83	.530	.524

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	10.133	33.274	25.582	227.85	.547	.523
44	9.914	33.231	25.586	225.54	.544	.520
45	9.495	33.155	25.595	226.85	.523	.516
46	9.202	33.162	25.647	227.01	.503	.510
47	9.082	33.198	25.695	224.73	.446	.511
48	8.978	33.182	25.698	223.05	.419	.501
49	8.903	33.186	25.713	221.93	.416	.500
50	8.891	33.206	25.731	221.12	.389	.501
52	8.924	33.237	25.750	219.85	.366	.499
54	9.158	33.363	25.812	218.92	.322	.487
56	9.226	33.372	25.808	218.70	.300	.483
58	9.367	33.443	25.841	217.53	.274	.478
60	9.524	33.484	25.848	216.90	.246	.477
62	9.717	33.569	25.882	217.76	.230	.469
64	9.926	33.648	25.909	216.58	.211	.464
66	10.010	33.676	25.917	215.69	.224	.465
68	10.121	33.734	25.943	215.09	.202	.463
70	10.402	33.866	25.998	211.75	.204	.462
72	10.679	33.986	26.044	210.84	.191	.462
74	11.064	34.102	26.065	210.17	.187	.459
76	11.561	34.352	26.169	207.60	.190	.455
78	12.063	34.541	26.221	205.39	.175	.453
80	12.333	34.630	26.239	203.86	.174	.454
82	12.526	34.685	26.243	202.14	.169	.454
84	12.701	34.772	26.276	199.38	.167	.456
86	12.999	34.935	26.343	198.07	.168	.459
88	13.159	35.008	26.368	196.75	.179	.458
90	13.258	35.034	26.368	194.19	.169	.452
92	13.338	35.071	26.380	192.85	.149	.446
94	13.365	35.098	26.395	189.57	.142	.444
96	13.426	35.141	26.416	192.63	.143	.444
98	13.367	35.153	26.437	193.52	.135	.443
100	13.218	35.136	26.455	193.54	.126	.442
102	13.131	35.157	26.489	193.44	.119	.441
104	13.089	35.171	26.508	192.40	.124	.445
106	13.024	35.198	26.542	191.78	.112	.441
108	13.137	35.289	26.589	189.73	.107	.441
110	13.243	35.354	26.618	188.32	.110	.440
112	13.220	35.335	26.609	187.72	.105	.441
114	13.140	35.357	26.642	187.15	.107	.441
116	13.289	35.418	26.659	185.49	.099	.439
118	13.380	35.430	26.650	185.33	.104	.439
120	13.257	35.384	26.639	185.03	.103	.439
122	13.164	35.391	26.663	185.45	.093	.441
124	13.144	35.435	26.702	184.45	.095	.439
126	13.288	35.511	26.731	183.93	.092	.436
128	13.520	35.649	26.790	180.86	.094	.431
130	13.595	35.636	26.765	178.90	.087	.429
132	13.446	35.597	26.765	178.27	.089	.429
134	13.520	35.660	26.799	175.88	.083	.427
136	13.367	35.621	26.800	172.17	.081	.427

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	12.975	35.454	26.750	172.40	.079	.434
140	12.884	35.566	26.855	171.63	.077	.432
142	12.982	35.606	26.867	171.78	.069	.429
144	13.014	35.615	26.867	167.13	.065	.425
146	12.922	35.604	26.878	164.19	.068	.424
148	12.841	35.609	26.897	162.72	.065	.422
150	12.728	35.592	26.907	160.96	.063	.422
155	12.530	35.569	26.928	155.38	.064	.423
160	12.417	35.547	26.934	153.34	.066	.422
165	12.071	35.506	26.969	151.76	.062	.425
170	11.682	35.444	26.995	150.69	.062	.430
175	11.527	35.437	27.019	149.47	.062	.429
180	11.4[illegible]	35.432	27.025	147.47	.063	.429
185	11.338	35.410	27.034	146.91	.061	.429
190	11.131	35.390	27.056	146.29	.063	.428
195	11.013	35.381	27.071	145.19	.063	.430
200	10.978	35.380	27.076	144.40	.060	.431
205	10.892	35.361	27.077	146.07	.065	.443
210	10.710	35.348	27.100	147.77	.065	.444
215	10.634	35.341	27.107	147.05	.068	.438
220	10.478	35.310	27.111	145.15	.069	.437
225	10.359	35.309	27.131	146.07	.067	.443
230	10.117	35.281	27.151	146.72	.066	.441
235	9.952	35.267	27.169	145.91	.065	.439
240	9.849	35.250	27.173	145.01	.064	.439
245	9.602	35.222	27.193	146.80	.065	.437
250	9.481	35.206	27.201	147.11	.065	.435
255	9.259	35.174	27.213	146.94	.065	.430
260	9.063	35.177	27.247	147.46	.066	.429
265	8.999	35.172	27.254	148.00	.055	.429
270	8.985	35.170	27.254	148.47	.063	.429
275	8.861	35.146	27.256	148.72	.061	.429
280	8.767	35.149	27.272	149.05	.062	.429
285	8.689	35.142	27.280	150.19	.059	.429
290	8.634	35.144	27.290	150.65	.063	.431
295	8.581	35.140	27.295	151.23	.061	.433
300	8.491	35.125	27.297	152.10	.066	.432
310	8.014	35.101	27.351	157.90	.064	.435
320	7.872	35.094	27.367	160.69	.060	.436
330	7.753	35.086	27.378	163.39	.057	.436
340	7.636	35.082	27.392	166.93	.060	.439
350	7.538	35.081	27.406	170.04	.060	.434
360	7.382	35.069	27.420	170.02	.060	.431
370	7.126	35.062	27.451	173.47	.058	.433
380	6.962	35.053	27.466	179.74	.060	.437
390	6.766	35.044	27.486	185.32	.058	.438
400	6.534	35.038	27.513	190.50	.060	.430
410	6.327	35.021	27.527	194.25	.058	.439
420	6.207	35.026	27.547	197.41	.060	.435
430	6.088	35.025	27.561	201.21	.056	.435
440	5.959	35.018	27.573	204.28	.058	.437

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
450	5.872	35.011	27.578	208.73	.055	.436
460	5.719	35.008	27.595	212.19	.055	.435
470	5.663	35.007	27.601	214.00	.056	.434
480	5.612	35.006	27.606	215.17	.056	.433
490	5.547	35.006	27.615	216.51	.053	.433
500	5.481	35.004	27.621	216.80	.061	.433
510	5.441	35.002	27.625	219.16	.055	.433
520	5.395	35.002	27.630	220.67	.059	.432
530	5.353	35.001	27.635	220.84	.053	.434
540	5.293	35.000	27.641	222.28	.056	.435
550	5.252	34.998	27.644	221.85	.055	.439
560	5.223	34.996	27.646	221.41	.054	.441
570	5.208	34.996	27.648	222.85	.055	.442
580	5.189	34.996	27.650	222.72	.052	.440
590	5.168	34.993	27.651	232.07	.059	.441
600	5.149	34.996	27.654	232.40	.051	.441
610	5.143	34.996	27.655	231.41	.052	.440
620	5.107	34.993	27.658	234.57	.055	.438
630	5.081	34.991	27.659	239.13	.050	.438
640	5.072	34.991	27.660	240.30	.051	.749
650	5.041	34.991	27.663	240.23	.055	.437
660	5.030	34.990	27.664	239.36	.055	.437
670	5.014	34.988	27.664	239.42	.057	.437
680	4.987	34.990	27.669	242.35	.053	.437
690	4.939	34.988	27.673	241.17	.052	.434
700	4.912	34.988	27.676	243.59	.055	.434
710	4.872	34.988	27.680	244.16	.053	.430
720	4.841	34.987	27.684	245.12	.054	.429
730	4.824	34.987	27.686	246.39	.053	.427
740	4.784	34.986	27.689	245.60	.053	.427
750	4.775	34.985	27.690	248.01	.051	.427
760	4.755	34.985	27.692	247.53	.054	.426
770	4.742	34.986	27.694	247.79	.054	.421
780	4.690	34.985	27.699	247.77	.054	.423
790	4.684	34.984	27.699	250.68	.053	.422
800	4.653	34.982	27.701	249.45	.052	.424
810	4.637	34.982	27.703	249.41	.053	.429
820	4.622	34.981	27.704	249.67	.051	.431
830	4.603	34.980	27.705	250.28	.053	.434
840	4.593	34.979	27.705	250.86	.047	.437
850	4.593	34.979	27.705	250.82	.048	.437
860	4.586	34.980	27.707	251.40	.054	.437
870	4.586	34.982	27.708	251.06	.055	.450
880	4.575	34.978	27.706	250.62	.049	.437
890	4.570	34.979	27.708	250.49	.052	.436
900	4.568	34.978	27.708	248.83	.051	.436
910	4.558	34.978	27.708	251.11	.051	.434
920	4.551	34.978	27.709	250.54	.051	.436
930	4.545	34.979	27.711	252.38	.052	.436
940	4.529	34.977	27.711	251.00	.051	.434
950	4.517	34.976	27.712	251.65	.053	.433

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
960	4.506	34.977	27.713	250.74	.050	.434
970	4.490	34.975	27.713	251.16	.051	.434
980	4.486	34.973	27.712	251.14	.051	.437
990	4.467	34.974	27.715	252.84	.051	.438
1000	4.423	34.975	27.721	252.95	.049	.438
1001	4.433	34.973	27.719	252.92	.051	.439
1002	4.424	34.972	27.718	252.91	.052	.439
1003	4.431	34.975	27.720	252.07	.050	.439
1004	4.438	34.974	27.718	252.13	.047	.439
1005	4.430	34.972	27.718	252.48	.056	.439
1006	4.418	34.971	27.719	254.48	.049	.438
1007	4.417	34.973	27.720	254.89	.052	.438
1008	4.417	34.972	27.719	252.90	.050	.438
1009	4.415	34.971	27.719	253.08	.047	.437
1010	4.410	34.971	27.719	254.16	.049	.437
1011	4.413	34.972	27.720	254.35	.051	.437
1012	4.405	34.970	27.719	254.22	.050	.438
1013	4.407	34.971	27.720	254.14	.053	.438
1014	4.398	34.972	27.721	254.46	.052	.438

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
24	21 OCT 88	0434	36 52.09	74 37.61	423	421

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	16.982	33.570	24.422	-------	.885	.636
3	16.993	33.576	24.424	248.66	.829	.632
4	16.995	33.576	24.423	250.77	.847	.632
5	16.999	33.577	24.424	249.38	.837	.631
6	17.000	33.576	24.422	246.03	.891	.630
7	17.000	33.577	24.423	245.02	.994	.632
8	17.001	33.576	24.422	245.57	.914	.631
9	17.000	33.577	24.423	247.01	.888	.631
10	17.000	33.576	24.423	247.07	.899	.631
11	17.002	33.577	24.423	246.37	.915	.631
12	17.004	33.576	24.422	246.27	1.032	.631
13	17.002	33.576	24.422	246.36	.927	.630
14	17.002	33.577	24.423	246.96	.928	.629
15	17.004	33.577	24.422	248.07	.915	.631
16	17.000	33.575	24.422	248.52	.901	.630
17	16.997	33.575	24.423	248.69	.921	.633
18	16.998	33.575	24.422	248.39	.913	.633
19	16.999	33.575	24.422	249.08	.915	.631
20	16.998	33.577	24.424	249.79	.958	.632
21	16.999	33.575	24.422	248.72	.927	.631
22	16.999	33.575	24.422	248.08	.912	.633
23	17.002	33.581	24.426	247.87	.914	.632
24	17.016	33.593	24.432	247.67	.895	.624
25	17.029	33.603	24.436	247.54	.915	.618
26	17.061	33.633	24.452	248.02	.934	.604
27	17.142	33.707	24.489	247.27	.893	.583
28	17.247	33.782	24.522	244.70	.858	.553
29	17.362	33.911	24.593	242.42	.851	.546
30	17.495	34.080	24.691	241.30	.782	.528
31	17.470	34.083	24.700	240.28	.696	.518
32	17.417	34.092	24.719	238.31	.664	.517
33	17.310	34.095	24.747	233.50	.607	.512
34	17.022	34.063	24.791	231.77	.564	.504
35	16.646	33.991	24.824	232.29	.611	.498
36	16.212	33.944	24.888	231.18	.639	.500
37	15.780	33.903	24.954	230.74	.707	.500
38	15.327	33.963	25.101	228.79	.657	.500
39	14.981	34.102	25.285	221.75	.435	.498
40	14.816	34.132	25.344	218.20	.385	.498
41	14.797	34.158	25.367	217.08	.380	.497
42	14.726	34.132	25.363	215.44	.381	.497

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	14.582	34.102	25.371	213.93	.360	.497
44	14.513	34.121	25.400	214.56	.355	.498
45	14.442	34.117	25.412	214.75	.387	.496
46	14.303	34.065	25.402	214.97	.527	.497
47	14.015	33.957	25.379	215.19	.468	.499
48	13.726	33.901	25.395	215.43	.443	.500
49	13.251	33.758	25.381	216.79	.427	.502
50	12.804	33.708	25.432	218.14	.430	.503
52	12.994	34.032	25.645	214.50	.395	.501
54	13.112	34.078	25.657	210.81	.327	.495
56	13.128	34.118	25.685	207.11	.320	.491
58	13.079	34.147	25.717	205.85	.309	.490
60	12.907	34.137	25.743	206.67	.296	.487
62	12.726	34.215	25.839	206.47	.272	.487
64	12.697	34.297	25.909	202.65	.265	.480
66	12.829	34.457	26.007	201.28	.237	.473
68	12.872	34.480	26.016	201.17	.273	.472
70	12.905	34.517	26.038	200.95	.270	.473
72	12.978	34.624	26.106	199.40	.215	.468
74	13.170	34.771	26.182	195.97	.203	.467
76	13.262	34.943	26.297	194.56	.213	.481
78	13.405	34.988	26.302	192.14	.187	.472
80	13.492	35.025	26.313	189.83	.184	.468
82	13.509	35.031	26.314	188.74	.182	.466
84	13.533	35.043	26.318	189.08	.185	.466
86	13.587	35.068	26.326	189.22	.180	.467
88	13.631	35.112	26.352	188.45	.181	.471
90	13.714	35.154	26.367	187.49	.176	.472
92	13.751	35.176	26.376	187.63	.175	.473
94	13.803	35.194	26.379	186.37	.171	.480
96	13.740	35.184	26.385	186.19	.164	.481
98	13.708	35.187	26.393	186.58	.171	.481
100	13.614	35.173	26.403	186.59	.164	.485
102	13.622	35.188	26.412	185.77	.176	.487
104	13.641	35.202	26.419	186.21	.164	.488
106	13.661	35.204	26.416	186.34	.168	.490
108	13.659	35.197	26.412	185.30	.165	.491
110	13.599	35.213	26.436	186.20	.158	.482
112	13.638	35.265	26.468	186.69	.148	.472
114	13.823	35.388	26.525	186.25	.146	.484
116	13.926	35.495	26.586	183.11	.131	.472
118	13.934	35.492	26.582	182.09	.126	.472
120	13.934	35.492	26.582	180.81	.129	.470
122	13.906	35.491	26.587	181.06	.124	.471
124	13.774	35.465	26.595	180.00	.123	.476
126	13.723	35.472	26.611	178.69	.119	.477
128	13.647	35.472	26.627	177.91	.123	.478
130	13.415	35.481	26.682	178.65	.111	.474
132	13.296	35.494	26.716	176.92	.102	.463
134	13.243	35.500	26.732	176.00	.099	.465
136	13.220	35.501	26.737	175.08	.094	.468

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	13.083	35.493	26.759	174.31	.097	.466
140	12.918	35.494	26.793	174.17	.088	.464
142	12.820	35.504	26.821	172.15	.083	.463
144	12.797	35.517	26.835	170.06	.084	.463
146	12.711	35.534	26.865	168.56	.080	.457
148	12.673	35.550	26.885	167.21	.074	.452
150	12.547	35.523	26.890	164.38	.072	.442
155	12.483	35.573	26.941	156.87	.065	.439
160	12.409	35.560	26.946	154.05	.067	.438
165	12.334	35.560	26.960	152.16	.064	.442
170	12.117	35.528	26.977	151.45	.068	.438
175	11.779	35.460	26.989	150.44	.065	.441
180	11.569	35.457	27.026	150.59	.069	.436
185	11.429	35.431	27.033	163.57	.065	.435
190	11.177	35.399	27.054	143.46	.064	.429
195	11.102	35.395	27.065	142.69	.066	.425
200	11.055	35.389	27.069	142.41	.067	.423
205	10.869	35.349	27.072	141.07	.064	.421
210	10.692	35.337	27.094	140.65	.066	.422
215	10.576	35.329	27.109	141.10	.065	.423
220	10.558	35.325	27.109	140.16	.063	.425
225	10.525	35.326	27.116	140.83	.061	.428
230	10.453	35.317	27.121	141.38	.064	.432
235	10.338	35.301	27.128	141.29	.064	.432
240	10.196	35.289	27.144	141.57	.065	.430
245	10.010	35.261	27.155	141.91	.062	.429
250	9.815	35.228	27.162	141.71	.066	.431
255	9.614	35.230	27.198	143.15	.061	.435
260	9.545	35.225	27.206	144.25	.065	.436
265	9.489	35.218	27.209	144.75	.064	.437
270	9.230	35.192	27.231	145.19	.062	.437
275	9.144	35.187	27.241	146.76	.069	.437
280	9.132	35.187	27.243	146.88	.063	.437
285	8.917	35.159	27.256	147.10	.059	.437
290	8.825	35.160	27.272	148.94	.065	.439
295	8.732	35.153	27.281	149.95	.064	.438
300	8.559	35.136	27.295	151.31	.060	.441
310	8.194	35.118	27.337	156.61	.061	.443
320	8.008	35.107	27.357	158.43	.065	.444
330	7.735	35.089	27.383	165.00	.061	.446
340	7.440	35.066	27.409	166.25	.061	.456
350	7.020	35.055	27.459	176.36	.059	.471
360	6.945	35.058	27.472	181.24	.067	.466
370	6.513	35.043	27.519	190.13	.058	.463
380	6.461	35.039	27.523	194.21	.063	.463
390	6.462	35.041	27.525	194.31	.059	.467
400	6.441	35.040	27.527	194.67	.058	.469
408	6.243	35.032	27.547	196.65	.060	.477
409	6.224	35.031	27.549	196.97	.060	.480
410	6.211	35.034	27.552	198.09	.060	.479
411	6.187	35.028	27.551	198.27	.060	.619

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
412	6.163	35.027	27.553	198.83	.059	.477
413	6.135	35.026	27.556	198.52	.059	.480
414	6.117	35.029	27.561	200.25	.062	.481
415	6.075	35.023	27.562	200.97	.061	.480
416	6.063	35.025	27.564	201.44	.059	.482
417	6.061	35.025	27.565	202.59	.059	.481
418	6.065	35.030	27.568	202.15	.062	.481
419	6.089	35.031	27.566	201.28	.058	.481
420	6.118	35.034	27.564	201.40	.061	.480
421	6.146	35.031	27.559	201.04	.062	.481
422	6.149	35.030	27.557	200.67	.059	.483
423	6.150	35.031	27.558	201.19	.063	.482

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
25	21 OCT 88	0536	36 52.58	74 39.09	126	124

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	17.028	33.513	24.368	-------	.676	.617
3	17.022	33.512	24.368	256.10	.706	.619
4	17.025	33.512	24.367	254.07	.676	.614
5	17.025	33.513	24.368	251.88	.674	.614
6	17.020	33.513	24.370	251.14	.731	.614
7	17.024	33.514	24.369	249.79	.827	.616
8	17.024	33.514	24.369	247.75	.740	.614
9	17.023	33.511	24.367	246.63	.716	.616
10	17.021	33.510	24.367	247.34	.695	.614
11	17.020	33.511	24.368	250.17	.678	.614
12	17.015	33.510	24.368	249.88	.717	.614
13	17.015	33.510	24.368	249.57	.796	.614
14	17.016	33.510	24.368	249.39	.743	.614
15	17.016	33.510	24.368	249.74	.713	.614
16	17.016	33.511	24.369	250.26	.763	.616
17	17.018	33.513	24.370	250.09	.773	.614
18	17.049	33.538	24.382	249.46	.761	.615
19	17.094	33.571	24.396	249.44	.904	.605
20	17.124	33.604	24.415	249.06	.973	.593
21	17.162	33.644	24.436	249.06	.881	.573
22	17.189	33.663	24.444	248.04	.772	.575
23	17.205	33.682	24.455	246.19	.737	.554
24	17.222	33.742	24.498	244.94	.733	.546
25	17.189	33.770	24.526	244.53	.712	.546
26	17.317	34.103	24.751	243.66	.820	.527
27	17.506	34.254	24.822	243.68	.763	.519
28	17.635	34.309	24.833	241.73	.628	.514
29	17.749	34.367	24.849	238.60	.590	.519
30	17.884	34.505	24.923	234.97	.540	.501
31	17.491	34.408	24.944	236.82	.511	.499
32	17.278	34.401	24.990	236.37	.516	.492
33	17.038	34.361	25.016	236.24	.465	.492
34	16.811	34.326	25.042	235.66	.437	.492
35	16.564	34.273	25.059	234.12	.442	.491
36	16.252	34.186	25.065	232.13	.436	.493
37	15.931	34.118	25.086	229.84	.409	.491
38	15.171	33.850	25.048	230.67	.415	.492
39	14.219	33.669	25.114	232.92	.437	.507
40	13.657	33.622	25.194	230.69	.441	.508
41	12.577	33.390	25.229	230.38	.475	.511
42	12.197	33.463	25.358	228.71	.510	.512

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	12.083	33.463	25.380	225.27	.522	.511
44	11.892	33.418	25.381	222.14	.520	.514
45	11.714	33.410	25.408	220.53	.522	.515
46	11.642	33.427	25.434	220.18	.510	.516
47	11.398	33.377	25.440	219.11	.521	.515
48	11.096	33.359	25.481	220.14	.575	.515
49	10.910	33.358	25.514	219.24	.520	.515
50	10.808	33.369	25.540	216.91	.510	.514
52	11.128	33.591	25.656	211.42	.476	.503
54	11.298	33.653	25.673	209.32	.428	.501
56	11.611	33.963	25.857	207.96	.343	.477
58	12.146	34.340	26.049	206.85	.268	.486
60	12.413	34.471	26.099	201.44	.258	.481
62	12.474	34.468	26.085	198.31	.241	.483
64	12.509	34.492	26.097	195.01	.234	.485
66	12.554	34.519	26.109	193.95	.247	.484
68	12.576	34.535	26.117	192.80	.232	.487
70	12.600	34.549	26.123	192.94	.235	.490
72	12.659	34.591	26.144	190.92	.228	.489
74	12.770	34.650	26.168	188.96	.224	.483
76	12.888	34.739	26.214	188.70	.233	.485
78	12.975	34.803	26.246	187.01	.207	.484
80	13.053	34.863	26.277	186.67	.213	.482
82	13.084	34.875	26.279	185.89	.197	.485
84	13.174	34.949	26.319	181.34	.196	.484
86	13.243	34.976	26.325	181.21	.190	.482
88	13.335	35.018	26.340	182.56	.198	.481
90	13.424	35.058	26.353	181.41	.182	.478
92	13.614	35.182	26.409	178.61	.176	.472
94	13.707	35.369	26.534	178.87	.171	.480
96	13.845	35.424	26.549	176.05	.148	.474
98	13.858	35.446	26.563	175.28	.137	.473
100	13.938	35.487	26.577	174.93	.137	.468
102	13.974	35.518	26.594	173.41	.128	.466
104	13.892	35.530	26.621	168.61	.140	.465
106	13.828	35.568	26.663	172.06	.114	.463
108	13.734	35.577	26.690	172.47	.109	.463
110	13.677	35.567	26.694	173.04	.109	.462
111	13.679	35.584	26.707	172.88	.105	.462
112	13.681	35.575	26.700	172.43	.106	.462
113	13.650	35.578	26.708	171.59	.107	.462
114	13.642	35.579	26.710	171.42	.105	.462
115	13.634	35.581	26.714	170.33	.101	.463
116	13.637	35.580	26.712	168.71	.108	.461
117	13.632	35.579	26.713	169.08	.112	.463
118	13.628	35.578	26.712	170.48	.108	.462
119	13.630	35.578	26.712	170.10	.105	.462
120	13.626	35.577	26.712	168.59	.110	.463
121	13.618	35.575	26.713	168.61	.122	.462
122	13.601	35.577	26.717	167.78	.104	.462
123	13.553	35.576	26.726	169.42	.107	.462

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
124	13.500	35.578	26.739	168.15	.101	.462
125	13.452	35.588	26.757	167.41	.098	.461

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
26	21 OCT 88	0632	36 53.52	74 45.42	76	74

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	16.483	33.318	24.345	247.69	.776	.650
4	16.483	33.317	24.344	248.51	.905	.647
5	16.479	33.318	24.346	245.67	.797	.647
6	16.480	33.318	24.346	245.14	.794	.649
7	16.480	33.319	24.346	245.88	.842	.649
8	16.482	33.319	24.346	246.74	.947	.646
9	16.483	33.319	24.345	246.29	.850	.648
10	16.481	33.318	24.346	247.44	.874	.647
11	16.477	33.318	24.346	247.69	.951	.647
12	16.475	33.318	24.347	249.36	.875	.648
13	16.475	33.320	24.348	248.97	1.482	.653
14	16.478	33.320	24.348	248.12	1.275	.650
15	16.480	33.320	24.347	248.27	.963	.651
16	16.481	33.321	24.347	247.20	.949	.650
17	16.487	33.322	24.347	246.58	.831	.648
18	16.499	33.335	24.354	246.31	.785	.643
19	16.498	33.340	24.358	247.83	.769	.639
20	16.495	33.345	24.363	247.97	.831	.633
21	16.493	33.349	24.366	247.77	.845	.631
22	16.493	33.351	24.368	248.48	.893	.633
23	16.493	33.353	24.370	248.68	.872	.628
24	16.495	33.358	24.372	246.38	.822	.624
25	16.504	33.363	24.374	246.24	.830	.617
26	16.512	33.366	24.375	246.33	.837	.614
27	16.559	33.400	24.390	245.37	.837	.603
28	16.649	33.449	24.407	244.35	.775	.586
29	16.673	33.493	24.435	245.11	.726	.573
30	16.614	33.497	24.452	243.79	.775	.561
31	16.547	33.492	24.464	240.94	.628	.552
32	16.464	33.470	24.466	239.23	.593	.538
33	16.355	33.466	24.488	237.76	.575	.534
34	16.215	33.480	24.531	236.56	.666	.515
35	15.865	33.464	24.598	236.38	.604	.505
36	15.486	33.543	24.743	231.39	.435	.507
37	15.260	33.620	24.852	227.64	.414	.495
38	15.223	33.679	24.906	227.26	.408	.494
39	15.159	33.693	24.931	225.16	.414	.496
40	15.100	33.711	24.957	223.16	.385	.493
41	14.976	33.695	24.972	221.12	.391	.492
42	14.629	33.650	25.012	221.73	.400	.495
43	13.811	33.565	25.118	223.96	.388	.502

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	13.346	33.631	25.264	222.82	.387	.510
45	13.085	33.689	25.361	216.79	.416	.508
46	12.840	33.716	25.430	212.04	.398	.517
47	12.730	33.738	25.469	211.20	.399	.521
48	12.678	33.755	25.493	209.59	.401	.520
49	12.665	33.766	25.504	209.15	.418	.520
50	12.542	33.797	25.551	205.75	.408	.528
52	12.454	33.836	25.599	204.87	.399	.520
54	12.436	33.856	25.618	202.75	.378	.518
56	12.395	33.881	25.645	201.28	.383	.517
58	12.329	33.918	25.687	201.28	.401	.516
60	12.271	33.949	25.721	200.52	.366	.513
61	12.244	33.966	25.740	197.70	.355	.512
62	12.218	33.975	25.752	197.24	.336	.511
63	12.183	33.993	25.773	196.75	.359	.510
64	12.169	34.000	25.781	195.08	.342	.509
65	12.159	33.997	25.780	198.62	.352	.507
66	12.155	34.005	25.787	192.41	.337	.508
67	12.151	34.004	25.788	192.97	.347	.508
68	12.149	34.003	25.787	193.71	.355	.510
69	12.148	34.004	25.788	191.22	.331	.507
70	12.148	34.004	25.788	191.56	.338	.505
71	12.148	34.003	25.787	190.44	.338	.507
72	12.149	34.005	25.788	185.76	.351	.508
73	12.150	34.004	25.787	190.62	.367	.507
74	12.149	34.002	25.786	184.87	.348	.505

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
27	21 OCT 88	0720	36 54.62	74 51.33	54	52

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	16.860	33.370	24.298	246.83	.822	.602
4	16.861	33.370	24.297	248.21	.813	.603
5	16.861	33.371	24.298	246.36	.819	.606
6	16.858	33.370	24.298	246.00	.893	.607
7	16.860	33.372	24.298	245.05	.844	.602
8	16.863	33.375	24.300	243.70	.808	.605
9	16.873	33.375	24.298	242.04	.839	.604
10	16.872	33.374	24.297	241.18	.855	.603
11	16.872	33.373	24.297	240.97	.900	.607
12	16.869	33.371	24.296	241.66	.846	.603
13	16.867	33.371	24.297	241.32	.840	.604
14	16.868	33.371	24.296	241.34	.838	.629
15	16.868	33.372	24.297	241.37	.855	.614
16	16.868	33.373	24.298	241.67	.920	.605
17	16.869	33.372	24.296	241.22	.933	.605
18	16.876	33.380	24.301	241.04	.849	.601
19	16.888	33.386	24.303	239.02	.910	.598
20	16.900	33.396	24.308	239.74	.921	.598
21	16.910	33.400	24.309	240.54	.959	.591
22	16.930	33.413	24.314	239.97	.817	.588
23	16.957	33.437	24.326	239.75	.876	.577
24	16.990	33.465	24.340	238.66	.820	.573
25	17.032	33.494	24.352	235.27	.748	.559
26	17.086	33.539	24.374	236.05	.672	.541
27	17.133	33.569	24.386	235.96	.655	.542
28	17.193	33.632	24.420	236.57	.589	.513
29	17.207	33.646	24.427	235.96	.483	.513
30	17.184	33.676	24.456	234.89	.457	.499
31	16.983	33.655	24.487	234.71	.425	.496
32	16.690	33.631	24.537	233.93	.407	.496
33	16.301	33.575	24.584	233.31	.411	.497
34	15.344	33.580	24.803	233.28	.407	.503
35	14.601	33.600	24.979	227.62	.405	.517
36	14.353	33.605	25.036	220.38	.403	.522
37	14.291	33.630	25.069	216.76	.492	.524
38	14.290	33.639	25.076	214.87	.455	.523
39	14.311	33.658	25.086	212.84	.453	.529
40	14.343	33.672	25.090	211.25	.456	.527
41	14.362	33.674	25.087	210.66	.432	.528
42	14.374	33.681	25.090	207.38	.438	.529
43	14.385	33.690	25.095	210.24	.419	.532

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	14.385	33.700	25.103	210.22	.460	.535
45	14.384	33.711	25.111	209.61	.450	.534
46	14.389	33.716	25.114	208.35	.516	.533
47	14.394	33.719	25.115	207.73	.528	.533
48	14.400	33.723	25.117	208.19	.508	.533
49	14.412	33.729	25.119	208.72	.448	.535
50	14.422	33.732	25.119	209.23	.502	.535
51	14.430	33.737	25.121	208.14	.479	.535
52	14.431	33.737	25.121	208.56	.532	.533

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
28	21 OCT 88	1204	37 32.71	74 27.13	83	81

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
5	15.889	33.093	24.307	245.25	1.148	.698
6	15.894	33.098	24.309	244.18	1.088	.702
7	15.897	33.097	24.309	243.66	1.047	.702
8	15.889	33.091	24.306	244.05	1.128	.703
9	15.890	33.095	24.309	245.10	1.407	.699
10	15.894	33.107	24.316	245.36	1.597	.696
11	15.896	33.105	24.314	246.99	1.424	.692
12	15.890	33.102	24.314	246.55	1.118	.692
13	15.894	33.112	24.320	244.07	1.154	.695
14	15.902	33.113	24.319	242.88	1.166	.691
15	15.899	33.114	24.321	242.91	1.081	.687
16	15.884	33.124	24.332	242.40	1.192	.677
17	15.874	33.128	24.337	242.63	1.100	.670
18	15.868	33.132	24.341	243.93	.957	.670
19	15.864	33.132	24.343	243.88	.913	.665
20	15.858	33.136	24.347	243.12	.892	.662
21	15.860	33.142	24.351	241.88	.907	.658
22	15.799	33.124	24.351	240.57	.892	.644
23	15.666	33.110	24.370	241.06	.800	.614
24	15.381	33.106	24.430	242.25	.783	.576
25	15.390	33.389	24.646	240.27	.648	.552
26	15.709	33.716	24.827	236.72	.574	.536
27	16.553	34.297	25.081	230.61	.536	.536
28	17.693	34.497	24.963	225.46	.432	.507
29	17.827	34.519	24.947	225.50	.382	.496
30	17.860	34.526	24.944	227.87	.338	.495
31	17.878	34.546	24.955	230.91	.340	.490
32	17.894	34.574	24.973	236.58	.381	.490
33	17.918	34.613	24.997	236.36	.332	.484
34	17.936	34.628	25.004	235.61	.302	.486
35	17.930	34.644	25.018	234.86	.296	.483
36	17.487	34.494	25.011	235.84	.290	.481
37	17.070	34.427	25.059	237.85	.294	.482
38	16.777	34.399	25.107	238.15	.285	.485
39	16.466	34.354	25.145	236.23	.295	.486
40	16.072	34.266	25.167	235.40	.302	.485
41	15.879	34.261	25.208	232.19	.313	.490
42	15.457	34.043	25.135	232.39	.328	.491
43	14.759	33.980	25.239	232.44	.356	.500
44	14.463	33.921	25.256	230.84	.381	.503
45	13.831	33.777	25.278	228.34	.395	.507

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
46	13.103	33.543	25.245	227.60	.422	.514
47	12.435	33.511	25.350	226.38	.455	.516
48	11.812	33.381	25.368	225.99	.443	.519
49	11.171	33.304	25.425	226.22	.437	.518
50	10.675	33.203	25.434	224.16	.439	.518
52	9.684	33.086	25.511	221.63	.460	.518
54	9.768	33.414	25.753	213.66	.357	.501
56	10.202	33.654	25.868	210.34	.630	.489
58	10.512	33.775	25.908	212.13	.263	.472
60	10.785	33.873	25.937	214.07	.236	.463
62	10.967	33.906	25.930	218.63	.221	.462
64	11.067	33.934	25.934	217.58	.219	.457
66	11.109	33.941	25.931	215.71	.210	.457
68	11.159	33.981	25.954	211.52	.206	.460
69	11.177	33.996	25.962	211.43	.213	.462
70	11.188	34.008	25.969	210.87	.211	.465
71	11.179	34.022	25.982	208.97	.210	.468
72	11.157	34.022	25.986	208.16	.215	.472
73	11.140	34.023	25.990	207.84	.227	.479
74	11.117	34.029	25.999	205.16	.227	.476
75	11.125	34.037	26.004	205.10	.244	.481
76	11.153	34.055	26.013	204.36	.247	.476
77	11.185	34.076	26.023	203.73	.228	.473
78	11.188	34.077	26.023	204.36	.242	.475
79	11.181	34.083	26.029	204.12	.241	.478
80	11.179	34.088	26.034	204.12	.249	.479
81	11.179	34.091	26.035	202.66	.243	.478
82	11.180	34.089	26.034	202.65	.241	.479

SEEP2X06

NISKIN BOTTLE DATA

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
1	17 OCT 88	1132	37 53.03	74 43.94	42	----

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.34	.80	.07	.02	.13
8	.30	.80	.03	.02	.10
14	.31	.86	.01	.02	.09
17	.26	11.72	2.42	.45	.06
24	.29	1.23	.09	.05	.25
34	.59	4.53	3.73	.32	.68

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	3.06	.67	-------	205.0	23.3
8	3.15	.73	-------	300.1	34.3
14	2.97	.73	-------	291.1	32.8
17	2.78	.61	-------	240.4	28.1
24	2.75	.76	-------	195.0	33.3
34	1.92	.76	-------	155.0	18.1

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
2	17 OCT 88	2241	37 41.91	74 19.90	91	----

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.25	2.46	.03	0.00	.05
9	.31	1.03	-.02	.01	.12
21	.18	1.92	.04	.02	.07
76	.76	10.25	10.14	.06	.06
88	.76	10.26	10.55	.11	.05

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.11	.42	-------	161.8	24.8
9	2.07	.76	-------	147.1	26.6
21	2.72	.79	-------	147.9	18.5
76	.16	.12	-------	65.3	4.8
88	.32	.15	-------	32.4	4.3

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
3	18 OCT 88	0422	37 41.99	74 19.47	95	----

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.16	1.12	.02	.02	.06
10	.09	1.44	-.02	.01	.06
20	.13	2.28	.32	.05	.10
49	.87	11.12	9.42	.04	.04
90	.76	9.06	11.47	.08	.07

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	.93	.20	254.27	116.4	12.4
10	.60	.19	248.39	98.6	10.9
20	1.27	.39	236.97	101.8	17.1
49	.27	.19	206.38	48.3	16.6
90	.08	.11	192.01	60.9	14.8

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
4	18 OCT 88	0740	37 15.96	74 32.84	108	----

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.18	1.83	-.02	.01	.08
11	.22	2.32	.38	.07	.05
20	.70	10.35	8.67	.04	.05
50	.81	8.46	9.42	.04	.08
76	.90	7.48	14.21	.04	.09
106	.89	10.49	8.71	.04	.09

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. C2 UMOLE/L	POC UG/L	PON UG/L
3	1.03	.41	246.66	136.5	23.8
11	2.01	.56	227.14	340.6	42.4
20	.55	.28	201.82	71.0	15.7
50	.16	.14	194.16	72.8	4.3
76	.06	.08	178.68	52.1	9.0
106	.59	.50	-------	70.8	13.8

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
5	18 OCT 88	1203	36 53.03	74 38.62	190	----

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.20	1.82	0.00	.02	.05
10	.15	1.82	-.02	.02	.01
19	.16	1.72	.01	.02	.03
24	.15	1.87	.26	.04	.08
35	.98	9.58	7.87	.07	.09
50	.90	11.51	9.40	.04	0.00

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	.65	.12	-------	110.5	16.6
10	.66	.14	-------	100.7	16.6
19	.91	.22	-------	76.8	13.3
24	.96	.27	-------	67.0	12.8
35	.64	.33	-------	64.9	10.9
50	.36	.22	-------	40.1	8.1

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
6	18 OCT 88	2301	37 35.47	74 5.34	1325	----

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.08	1.22	-.06	.01	-.04
20	.10	1.21	-.07	.01	-.04
50	.51	6.59	4.28	.11	-.07
101	.97	6.91	15.08	.07	-.02
200	1.62	13.64	24.24	.03	-.03
501	1.52	14.54	21.56	.01	-.04
750	1.39	13.60	20.17	.01	-.02
1000	1.35	13.33	19.65	.01	-.06
1314	1.34	13.35	19.39	0.00	-.05

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	.31	.09	239.31	101.8	3.3
20	.31	.07	237.35	120.4	5.2
50	.78	.44	224.38	152.0	18.1
101	.11	.14	151.17	189.4	5.2
200	------	------	139.18	------	------
501	------	------	219.04	------	------
750	------	------	249.19	------	------
1000	------	------	257.26	------	------
1314	------	------	266.50	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
7	19 OCT 88	0143	37 37.08	74 9.67	1080	----

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.13	1.48	-.03	.02	.06
20	.05	1.72	0.00	.02	.09
50	.81	12.49	9.13	.05	.05
100	.74	8.57	10.73	.04	.04
201	1.48	14.07	25.19	.02	.05
500	1.36	14.60	21.98	.03	.03
1075	1.23	13.66	19.91	.02	.03

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	.71	.14	251.36	101.8	19.5
20	.63	.16	235.94	64.5	16.2
50	.18	.11	212.45	36.4	11.4
100	.06	.04	193.70	40.6	7.6
201	------	------	136.10	------	------
500	------	------	224.01	------	------
1075	------	------	258.69	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
8	19 OCT 88	0328	37 37.87	74 12.80	430	----

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.15	1.98	-.06	.02	.12
20	.05	13.63	-.04	.03	.13
50	.88	8.56	9.86	.06	.16
100	.67	10.90	10.95	.05	.14
151	1.18	15.14	20.16	.03	.11
201	1.56	16.25	26.12	.03	.12
389	1.55	------	25.22	.04	.10

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.18	.35	254.87	122.4	28.1
20	.89	.38	236.84	150.0	18.5
50	.18	.10	213.64	48.1	13.8
100	.04	.02	194.46	49.4	11.9
151	------	------	153.81	------	------
201	------	------	139.16	------	------
389	------	------	175.50	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
9	19 OCT 88	0454	37 39.64	74 15.81	129	127

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.14	1.02	.01	.03	.08
15	.06	1.77	.04	.01	.07
25	.26	4.64	1.78	.10	.12
50	.90	13.66	9.26	.04	.11
75	.81	12.33	9.06	.04	.07
122	1.10	10.89	17.33	.06	.07
127	1.17	11.07	17.63	.07	.05

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	.96	.29	253.89	116.8	11.4
15	.54	.18	244.03	86.7	15.2
25	1.48	.67	234.89	84.8	17.6
50	.24	.13	221.90	32.9	10.9
75	------	------	210.26	------	------
122	------	------	166.01	------	------
127	------	------	160.79	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
10	19 OCT 88	0602	37 41.85	74 20.51	88	86

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.25	1.34	.04	.02	.08
15	.20	1.43	-.01	.01	.07
25	.03	1.74	0.00	.01	.09
51	.98	12.35	8.64	.04	.08
81	.76	10.90	8.83	.04	.08
86	.79	10.46	9.45	.10	.05

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.53	.46	257.09	51.6	15.2
15	1.48	.44	255.76	122.2	43.8
25	.55	.23	238.04	166.2	25.7
51	.39	.27	198.10	112.6	26.6
81	------	------	206.21	------	------
86	------	------	197.63	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
11	19 OCT 88	0745	37 44.69	74 24.53	66	64

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.24	3.17	-.02	.03	.01
20	.23	2.14	.18	.05	.10
30	.05	1.76	.01	.02	.17
44	.33	5.02	2.46	.20	.28
60	.76	10.98	7.49	.12	.03
64	.81	11.84	7.98	.13	.13

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.89	.49	253.58	72.6	9.0
20	2.57	.79	246.74	148.2	48.1
30	.74	.33	237.06	178.9	32.9
44	.62	.29	230.14	72.2	10.9
60	.37	.27	219.43	54.7	13.8
64	.48	.20	216.11	64.2	11.4

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
12	19 OCT 88	0849	37 46.27	74 30.03	59	57

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.21	1.69	-.02	.01	.08
20	.23	1.76	0.00	.01	.16
37	.98	12.15	8.55	.09	.07
52	.98	12.14	8.57	.09	.07
57	.98	12.37	8.68	.12	.08

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.67	.38	253.04	86.0	10.9
20	1.61	.47	251.84	123.4	15.7
37	69	.27	224.47	109.8	17.6
52	.38	.25	200.12	77.0	7.6
57	.37	.28	201.33	82.9	12.4

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
13	19 OCT 88	1027	37 49.00	74 37.14	51	49

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.26	1.34	-.01	.02	.08
21	.22	1.63	.01	.02	.13
36	.29	2.98	1.27	.24	.52
44	.69	7.47	5.36	.35	.11
49	.93	11.15	7.87	.20	.07

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.94	.59	256.64	99.0	13.8
21	.57	.28	246.81	171.3	28.5
36	.55	.30	228.72	106.8	18.1
44	.62	.35	213.49	73.8	13.8
49	------	------	199.59	82.7	6.2

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
14	19 OCT 88	1207	37 51.94	74 44.05	41	39

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.31	.95	-.03	.03	.03
8	.33	.97	0.00	.02	.06
14	.30	1.00	0.00	.02	.06
18	.30	1.00	-.01	.02	.06
25	.28	1.70	.22	.08	.17
35	.85	8.00	6.33	.48	.47

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.82	.36	-------	60.7	5.7
8	1.98	.40	-------	166.9	28.5
14	1.98	.40	-------	166.9	28.5
18	1.92	.46	-------	172.5	21.9
25	1.73	.49	-------	156.6	24.3
35	.78	.46	-------	142.3	21.9

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
15	19 OCT 88	2340	37 19.38	74 10.06	1700	----

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.09	1.50	.01	.02	.08
20	.07	1.47	.03	.02	.04
50	.49	5.33	5.76	.16	.08
100	.89	7.60	13.78	.04	.10
199	1.49	13.02	24.28	.03	.07
494	1.37	13.71	21.35	.02	.08
747	1.26	12.67	19.65	.01	.06
997	1.22	12.39	19.04	.01	.08
1500	1.21	12.93	18.75	.01	.04

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	.59	.15	239.51	41.1	10.0
20	.41	.12	235.31	96.1	8.1
50	.44	.08	210.55	91.1	6.6
100	.04	.03	181.78	66.5	6.6
199	------	------	136.20	------	------
494	------	------	207.14	------	------
747	------	------	2[illegible]6.90	------	------
997	------	------	268.70	------	------
1500	------	------	272.15	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
16	20 OCT 88	0228	37 12.00	74 25.05	1204	1202

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.05	1.55	.06	.02	.09
20	.04	1.62	-.01	.01	.10
50	.06	1.67	.18	.04	.13
100	.77	6.61	13.60	.02	.03
201	1.41	12.90	23.88	.03	.07
494	1.33	14.14	22.35	.01	.06
752	1.26	13.30	20.37	.01	.04
998	1.21	13.06	19.90	.01	.08
1187	1.18	13.05	19.40	.01	.07
1202	1.18	13.08	19.43	.01	.04

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	.87	.28	236.89	82.3	5.2
20	.80	.26	235.81	69.4	9.5
50	1.11	.48	227.98	91.4	5.2
100	.07	.05	178.06	60.2	5.2
201	------	------	137.42	------	------
494	------	------	220.33	------	------
752	------	------	251.15	------	------
998	------	------	261.10	------	------
1187	------	------	268.55	------	------
1202	------	------	268.34	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
17	20 OCT 88	0512	37 22.84	74 21.73	1059	1057

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.18	1.75	.01	.03	.10
20	.13	1.69	0.00	.02	.10
50	.89	12.81	9.57	.04	.07
75	.84	12.11	9.49	.04	.06
100	.73	8.41	10.04	.04	.06
200	1.44	12.65	24.35	.02	.07
493	1.38	13.82	22.19	.02	.05
715	1.28	13.11	20.65	.02	.07
1042	1.24	12.81	19.60	.02	.07
1057	1.24	12.72	19.51	.02	.04

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.51	.48	249.70	45.0	3.3
20	.89	.29	250.51	106.8	9.0
50	.28	.18	-------	139.3	22.8
75	------	------	213.09	------	------
100	.07	.08	198.39	67.9	7.1
200	------	------	141.45	------	------
493	------	------	218.27	------	------
715	------	------	244.72	------	------
1042	------	------	261.08	------	------
1057	------	------	263.84	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
18	20 OCT 88	0708	37 24.98	74 26.63	715	713

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
1	.15	1.69	.29	.06	.04
20	.06	1.55	-.02	.01	.07
50	.15	2.71	1.46	.09	.04
76	.77	11.61	9.07	.04	.08
101	.70	8.90	9.89	.04	.14
200	1.36	12.30	23.85	.02	.15
500	1.33	14.09	22.41	.03	.08
695	1.29	13.59	21.37	.03	.09
713	1.30	13.63	21.46	.03	.01

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
1	1.55	.42	246.96	39.8	7.8
20	.66	.32	239.97	89.7	16.4
50	1.45	.66	228.48	89.7	13.5
76	.22	.20	217.02	93.5	9.0
101	.04	.04	201.63	63.7	4.8
200	------	------	141.97	------	------
500	------	------	217.36	------	------
695	------	------	233.47	------	------
713	------	------	231.84	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
19	20 OCT 88	0844	37 28.39	74 30.54	200	198

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.17	1.64	.24	.05	.19
22	.14	1.81	.23	.05	0.00
51	.82	9.68	7.15	.08	0.00
75	.74	9.98	7.93	.06	.04
100	.74	9.06	9.01	.07	.06
150	.81	7.70	12.08	.08	.06
192	1.38	12.83	21.76	.08	.03
198	1.39	12.98	21.86	.08	.07

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	2.31	.61	245.11	------	------
22	------	------	-------	88.0	------
51	.62	.37	203.98	77.5	10.5
75	.25	.18	213.44	67.7	3.3
100	.17	.11	198.91	66.8	10.7
150	.08	.07	185.17	56.7	4.5
192	------	------	146.07	------	------
198	------	------	144.41	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
20	20 OCT 88	0944	37 30.00	74 31.73	68	66

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.18	1.72	.16	.04	.07
35	.11	2.30	.38	.05	.12
51	.81	9.65	7.14	.07	.07
62	.88	11.20	8.94	.11	.06
66	.84	10.76	8.80	.14	.01

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.58	.30	-------	101.7	23.9
35	.51	.19	-------	99.9	17.1
51	.41	.29	266.56	81.8	6.2
62	.23	.16	263.05	57.8	4.3
66	.24	.20	262.48	65.8	10.0

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
21	20 OCT 88	1201	37 42.20	74 20.13	90	-----

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.25	2.27	.15	.04	.13
5	.23	2.62	.11	.04	.17
8	.23	2.59	.10	.04	.09
12	.22	2.53	.13	.03	.11
17	.24	2.59	.11	.03	.13
30	.32	3.27	.70	.08	.11

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.89	.45	-------	178.3	26.8
5	1.85	.52	-------	150.0	20.5
8	2.01	.59	-------	163.6	21.9
12	1.89	.45	-------	136.6	25.4
17	1.98	.59	-------	114.3	23.9
30	1.58	.54	-------	135.7	24.4

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
22	21 OCT 88	0134	36 51.19	74 32.67	1446	1444

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	------	------	------	------	------
20	------	------	------	------	------
50	------	------	------	------	------
75	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.33	.33	-------	102.4	13.7
20	1.21	.27	-------	174.8	44.4
50	.43	.20	-------	52.1	26.8
75	.17	.10	-------	46.5	13.6

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
23	21 OCT 88	0310	36 52.07	74 34.42	1015	1013

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
20	------	------	------	------	------
50	------	------	------	------	------
75	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
20	.93	.69	-------	125.7	10.3
50	.37	.20	-------	54.3	2.3
75	.15	.04	-------	.8	4.1

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
24	21 OCT 88	0434	36 52.09	74 37.61	423	421

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	------	------	------	------	------
20	------	------	------	------	------
50	------	------	------	------	------
76	------	------	------	------	------
421	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.10	.37	-------	96.9	10.5
20	1.11	.32	-------	89.2	14.3
50	.44	.28	-------	52.5	.9
76	.14	.16	-------	35.6	.9
421	.01	.03	-------	20.2	.9

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
25	21 OCT 88	0536	36 52.58	74 39.09	126	124

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	------	------	------	------	------
20	------	------	------	------	------
50	------	------	------	------	------
75	------	------	------	------	------
124	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	.88	.31	-------	87.8	21.4
20	.94	.33	-------	99.5	14.3
50	.51	.25	-------	91.3	10.9
75	.19	.14	-------	15.1	2.6
124	.05	.05	-------	30.1	2.8

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
26	21 OCT 88	0632	36 53.52	74 45.42	76	74

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	------	------	------	------	------
40	------	------	------	------	------
60	------	------	------	------	------
74	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.33	.37	-------	107.5	------
40	.60	.28	-------	44.8	3.2
60	.37	.29	-------	64.9	12.7
74	.34	.25	-------	28.2	5.7

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
27	21 OCT 88	0720	36 54.62	74 51.33	54	52

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	------	------	------	------	------
20	------	------	------	------	------
30	------	------	------	------	------
47	------	------	------	------	------
52	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.14	.40	-------	82.3	16.6
20	1.17	.35	-------	27.3	6.0
30	.87	.36	-------	77.4	9.3
47	.49	.28	-------	51.2	6.3
52	.48	.24	-------	64.3	14.1

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
28	21 OCT 88	1204	37 32.71	74 27.13	83	81

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	------	------	------	------	------
8	------	------	------	------	------
15	------	------	------	------	------
18	------	------	------	------	------
25	------	------	------	------	------
35	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	2.13	.39	-------	115.5	16.1
8	2.23	.41	-------	75.3	17.1
15	2.07	.38	-------	124.2	28.3
18	2.07	.42	-------	136.9	35.6
25	1.14	.42	-------	87.5	25.9
35	.71	.48	-------	40.4	8.8

END

DATE
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