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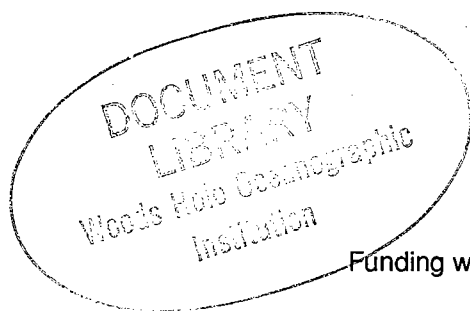
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**CTD Observations on the North Brazil Shelf During  
A Multidisciplinary Amazon Shelf SEDiment Study  
(AMASSEDS)**

**February – March 1990**

by

Richard Limeburner and Robert C. Beardsley



May 1991

**Technical Report**

Funding was provided by the National Science Foundation  
through Grant No. OCE 88-12917.

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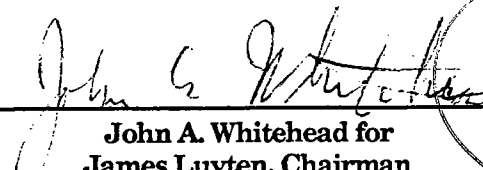
**Technical Report**

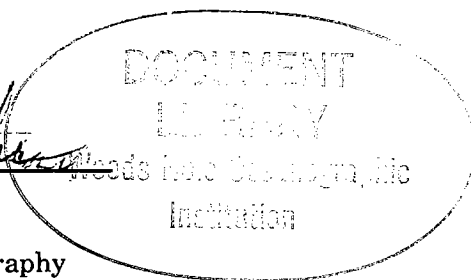
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John A. Whitehead for  
James Luyten, Chairman  
Department of Physical Oceanography





**CTD Observations on the North Brazil Shelf During  
A Multidisciplinary Amazon Shelf SEDiment Study (AMASSEDS)  
February–March 1990**

**Abstract**

Hydrographic (CTD) and acoustic Doppler current profiler (ADCP) observations were made on the North Brazil shelf adjacent to the mouth of the Amazon River during R/V *Iselin* cruise I9002 February 10–March 29, 1990 as part of A Multidisciplinary Amazon Shelf SEDiment Study (AMASSEDS). These observations were obtained during a small-scale survey on Leg 1 in support of mooring deployment operations, during a large-scale survey on Leg 3 in support of geological and geochemical sampling, during a frontal zone survey on Leg 4 consisting of 12 and 24 hourly CTD casts at anchored stations, and during a bottom tripod recovery on Leg 5. The maximum sampling depth at each station was within two meters of the bottom.

The primary objectives of the AMASSEDS hydrographic measurement program were (a) to observe and characterize the temperature, salinity, density, oxygen, fluorescence and light transmission fields and their spatial variability on the north Brazilian shelf directly influenced by the Amazon River discharge, (b) to resolve the seaward extent and vertical structure of the surface plume of low salinity Amazon River water during different stages of river discharge, (c) to describe the spatial structure of the turbidity and associated suspended sediment distributions across the shelf, (d) to characterize the properties of the Amazon shelf water beneath the surface plume and their seasonal variability, and (e) to describe the landward penetration of the North Brazil Current with respect to water properties and shelf currents. This report represents a summary in graphic and tabular form of the hydrographic observations made during the second AMASSEDS cruise (I9002) on the R/V *Iselin*.

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## 1. Introduction

A Multidisciplinary Amazon Shelf SEDiment Study (AMASSEDS) is a multi-institutional international program to investigate physical, geological, geochemical and biological processes within the Amazon dispersal system. The primary objective of AMASSEDS is to understand the sedimentary processes on the continental shelf near the mouth of the Amazon River. Previous studies of the Amazon shelf and similar environments suggest that the enormous suspended sediment load carried over the inner shelf in the local water column strongly influences other factors such as seabed morphology and biological productivity, and leads to creation of a subaqueous delta. The physical oceanographic component of AMASSEDS is directed toward understanding circulation and boundary layer processes on the Amazon shelf. The primary objectives are (a) to measure and characterize the flow and mixing processes in the low salinity frontal zone, (b) to estimate the contributions to bottom stress from subtidal motions, tidal flow, and surface waves, and (c) to quantify the cross-shelf advective and dispersive transport mechanisms. The physical oceanographic field work includes: short-term (February – May, 1990) moored measurements of wind, current, temperature, conductivity, and surface waves to determine tidal and low-frequency variability in the shelf flow field, density stratification, and surface and bottom stresses; a series of four large-scale hydrographic surveys to map the distributions of temperature, salinity, and turbidity during different stages of river discharge; and short-term high resolution measurements of the small-scale circulation and mixing processes in the frontal zone. Satellite imagery of the sea surface is being collected to describe the synoptic distribution of suspended sediment. Finally, two satellite-tracked drifting buoys are being deployed on each of the four hydrographic surveys. The first survey was completed in August, 1989 during falling river discharge (Limeburner and Beardsley, 1989); the second survey was completed in March, 1990 during rising river discharge; the third survey was completed in June, 1990 during maximum river discharge, and the fourth and last cruise is planned for November, 1991 during low river discharge. These measurements include hydrographic and current profiling with a CTD and either a 150 or 600 kHz acoustic Doppler current profiler (ADCP) respectively.

We present here in graphic and tabular form a preliminary analysis of the CTD observations made on the North Brazil shelf on board the R/V *Iselin* during cruise I9002 February 10 – March 29, 1990. A total of 241 CTD stations was made on I9002, and the following station summary is intended to provide a brief description of the sequence of CTD sampling during the cruise. Vertical and horizontal sections of water properties obtained from the individual transects and large-scale CTD surveys are shown in Section 7. Listings of the CTD observations at standard depths for all stations are given in Section 8.

Individual CTD casts were initially labelled consecutively for all legs of cruise I9002. In this report CTD cast names are given as consecutive numbers for each leg.

## CTD STATION LISTING SUMMARY

### Leg 1 — February 10–11, 1990

- Stations 1–15. Cross-shelf section made during the initial AMASSEDS mooring deployment operations.

### Leg 3 — February 28–March 7, 1990

- Stations 1–54. Large-scale survey of the North Brazil shelf consisting of 7 cross-shelf transects to map the initial fields of temperature, salinity, sigma-t, oxygen, fluorescence, and light transmission.
- Stations 57–59. Short cross-shelf transect at the mouth of the Amazon River.

### Leg 4 — March 9–21, 1990

- Stations 1–45. Frontal zone study of the Amazon River plume consisting of hourly casts at seven time series anchor stations, and other various CTD stations.
  - Station 5 — Anchor Station 1
  - Station 15 — Anchor Station 2
  - Station 18 — Anchor Station 3
  - Station 20 — Anchor Station 4
  - Station 28 — Anchor Station 5
  - Station 44 — Anchor Station 6
  - Station 45 — Anchor Station 7

### Leg 5 — March 23–30, 1990

- Station 241. Single station made during Geoprobe search.



The following table cross references the consecutive CTD station names for each leg of cruise I9002 used in this report and the archived consecutive CTD casts for all legs on I9002.

Leg	I9002 Station Number	Consecutive CTD Cast	Work Area
1	1-15	1-15	Open shelf section
3	1-54	16-69	Large-scale survey
3	57-59	70-72	River mouth section
4	1-4	73-77	To river mouth
4	5.01-5.19	78-94	Anchor station 1
4	6-14	95-101	To open shelf
4	15.01-15.27	102-127	Anchor station 2
4	16-17	128-129	To anchor station 3
4	18.01-18.24	130-136	Anchor station 3
4	20.01-20.26	137-161	Anchor station 4
4	21-27	162-168	Small-scale survey
4	28.01-28.26	169-194	Anchor station 5
4	29-43	195-210	Small-scale survey
4	44.01-44.17	211-227	Anchor station 6
4	45.01-45.13	228-240	Anchor station 7
5	241	241	River mouth

## 2. Instrumentation and Calibration

A Neil Brown Instrument Systems (NBIS) model MKIII CTD fish was used as the primary profiling instrument during R/V *Iselin* cruise I9002. The instrument provided continuous sampling of pressure, temperature, conductivity, fluorescence and light transmission. Salinity, density, and suspended sediment concentration were subsequently derived from the measured variables. The instrument package consisted of the MKIII CTD underwater unit mounted one meter below a General Oceanics rosette sampler with 12 five-liter Niskin bottles. A Sea Tech 5 cm pathlength transmissometer and a Sea Tech fluorometer were mounted near the CTD fish. The fast response thermistor on the CTD fish was disabled and the instrument sampled at a rate of 16 Hz. Lowering speeds were approximately 36 m/min to match the response times of the temperature and conductivity sensors (Giles and McDougall, 1986). The pressure sensor had a full range of 1600 db.

The CTD underwater unit was part of the R/V *Iselin's* scientific equipment. A water sample for conductivity calibration was normally collected at each station on the upcast at a depth where the vertical stratification and suspended sediment concentration were minimal. The calibration samples were then processed onboard during the cruise using a Guildline AutoSal salinometer to determine salinity. The individual salinities were converted to *in situ* conductivity and compared to the conductivity output of the instrument. A least-squares fit of the difference between the 45 bottle and instrument conductivity calibration samples collected on Legs 1 and 3 gives

$$C(\text{CTD}) - C(\text{Bottle}) = 0.00029 * X + 0.0085,$$

where  $X$  is the station number which varied from 1 to 72, and the sum of the squares of the residuals is  $0.0605 \text{ mmho}^2$ . This means that the CTD conductivity sensor drift and offset were small during the cruise and that the rms difference between the corrected CTD and bottle conductivity values was  $\pm 0.037 \text{ mmho}$ . No conductivity calibration samples were collected on Leg 4 and Leg 5, and the following calibration from Leg 3 was applied to the Leg 4 and Leg 5 conductivity data,

$$C(\text{Corrected}) = C(\text{CTD}) - 0.029.$$

Suspended sediment samples were also normally collected at each station during the cruise to calibrate the light transmission sensor. The individual suspended sediment concentrations were compared to the transmissometer output (Figure 1). For suspended sediment concentrations less than about  $109 \text{ mg/l}$  (corresponding to a light transmission of 7.8% and higher) a least-squares exponential fit of the suspended sediment concentration data to the light transmission output (in percent transmission) gives

$$\text{Sediment Concentration (mg/l)} = 147.2e^{-0.0379 * \text{Light (\%)}}.$$

The rms of the residuals (i.e., the difference between the fitted curve and measured sediment concentration based on the 63 calibration samples) was  $\pm 9.5 \text{ mg/l}$ .

Concentrations greater than  $109 \text{ mg/l}$  exhibited a different calibration with the observed light transmission, probably due to larger particle size at high sediment concentrations. For light transmission less than about 7.8% a least-squares exponential fit of the

suspended sediment concentration data to the light transmission output gives

$$\text{Sediment Concentration (mg/l)} = 577.7e^{-0.2129 * \text{Light (\%)}}$$

The rms of the residuals for the 4 calibration samples in this concentration range is  $\pm 31.6$  mg/l. Light transmission values of 0% were recorded and given a maximum sediment concentration of 577.7 mg/l.

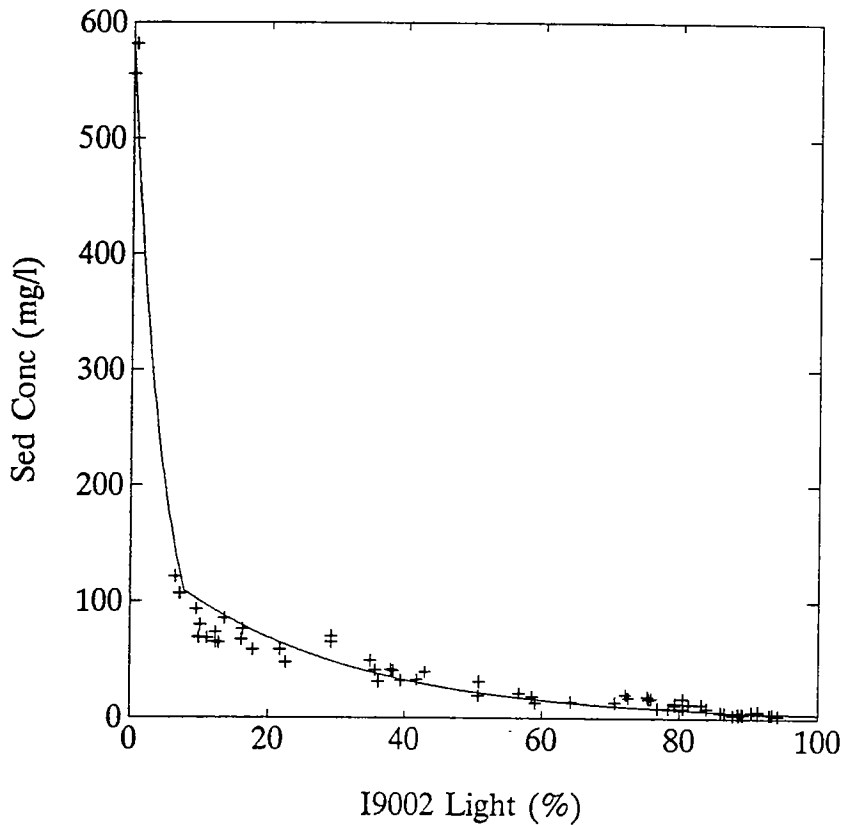


Figure 1. Observed relationship between light transmission (in percent transmission) and suspended sediment concentration (in mg/l). Samples are shown as crosses; the resulting (solid) calibration curve is used to predict suspended sediment concentration from light transmission measurements.

The Sea Tech fluorometer data are presented as a percent of full scale. Frequent data drop out were observed with the oxygen sensor, and no attempt was made to correct these data gaps.

### 3. Data Processing

The CTD data were recorded at sea with a PC-based data acquisition system written by Howard Saklad of the Institute of Marine Science, University of Alaska. The program acquires the raw CTD data at 16 Hz, displays the data in real time, computes postcast data averages, and prints lists of data at each station. Normally, only the down profile is processed at sea. During post cruise data processing, the conductivity calibration was first applied to the raw data. Then an exponential recursive filter (Middleton and Foster, 1980) was applied to pressure and conductivity to match the amplitude and phase of the platinum temperature sensor. The filter has the form

$$c'(t) = w_0 c'(t - dt) + (1 - w_0) c(t),$$

where  $c'(t)$  is the filtered conductivity at time  $t$ ,  $c'(t - dt)$  is the previous filtered conductivity, and  $c(t)$  is the original unfiltered conductivity at time  $t$ . The filter weight is given by

$$w_0 = e^{-dt/tlag},$$

where  $dt = .063$  sec is the sampling period, and  $tlag = .235$  sec is the time lag of the platinum temperature sensor. A uniform pressure series of 1 db interval was then created from the filtered data, after spurious data observations (spikes) had been replaced with interpolated data. Salinity was calculated according to Lewis (1980) and a value of 42.914 was used to convert to conductivity ratio (Culkin and Smith, 1980).

### 4. Data Presentation

The edited hydrographic data collected on cruise I9002 are shown in the form of vertical sections, T/S correlations and horizontal sections in Section 7, and vertical profiles and tabular lists at graduated depths are given in Section 8.

## 5. Acknowledgments

R/V *Iselin* cruise I9002 was supported by NSF Grant OCE88-12917. R. Beardsley, R. Limeburner, W. Geyer, and G. Kineke were Chief Scientists on Leg 1, Leg 3, Leg 4, and Leg 5, respectively. The work was a cooperative effort by H. Astwood, I. Carvalho, B. Genna, R. Gorski, J. Ivo, S. Hardin, H. Kelly, K. McCoy, H. Morgan, T. Milligan, R. Pope, I. Soares, H. Vital, and C. Vilela. Their assistance is greatly appreciated. Finally, the helpfulness of the marine technicians C. Crosby and M. Aparicio, and the officers and crew of the R/V *Iselin* contributed significantly to the success of the cruise.

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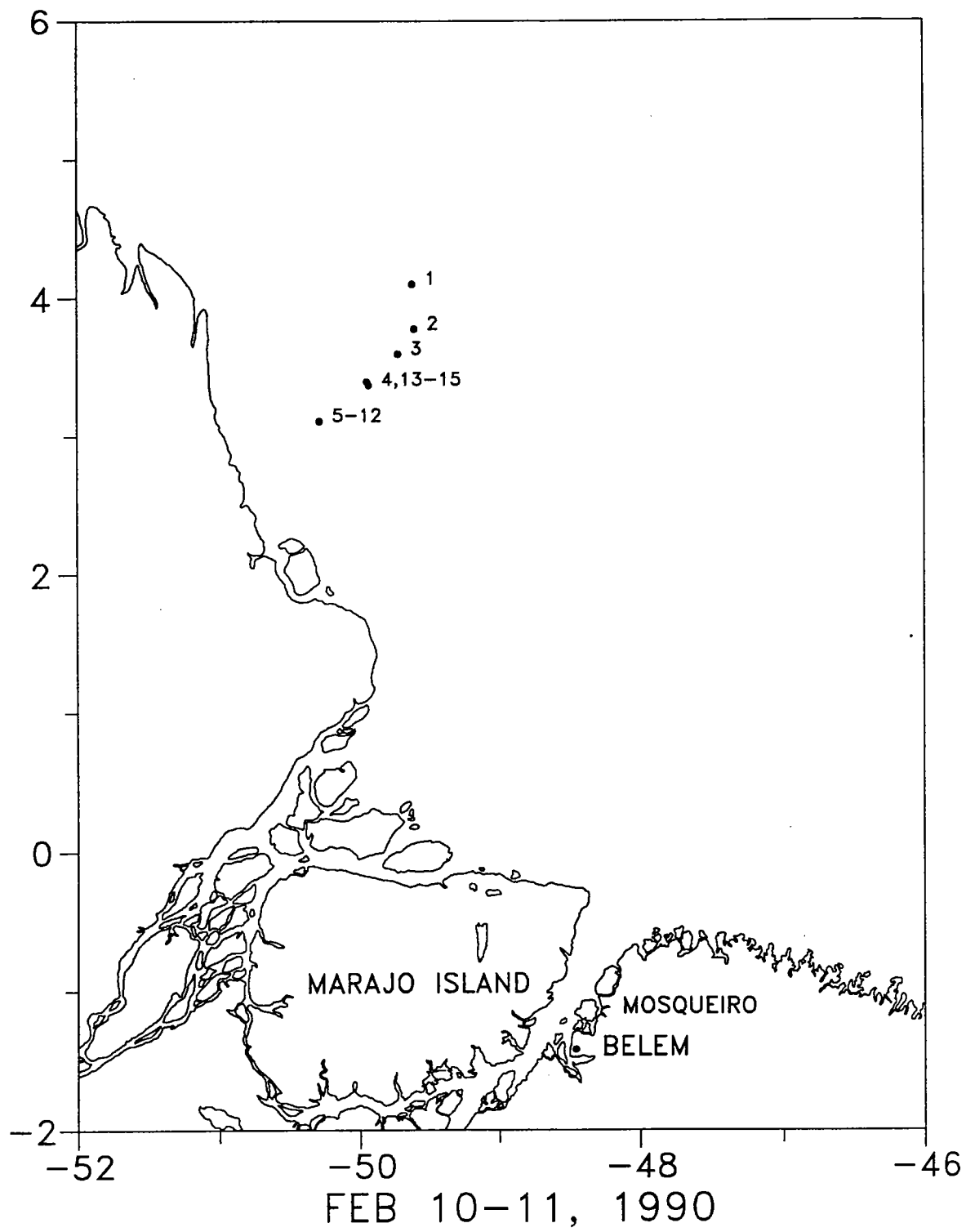


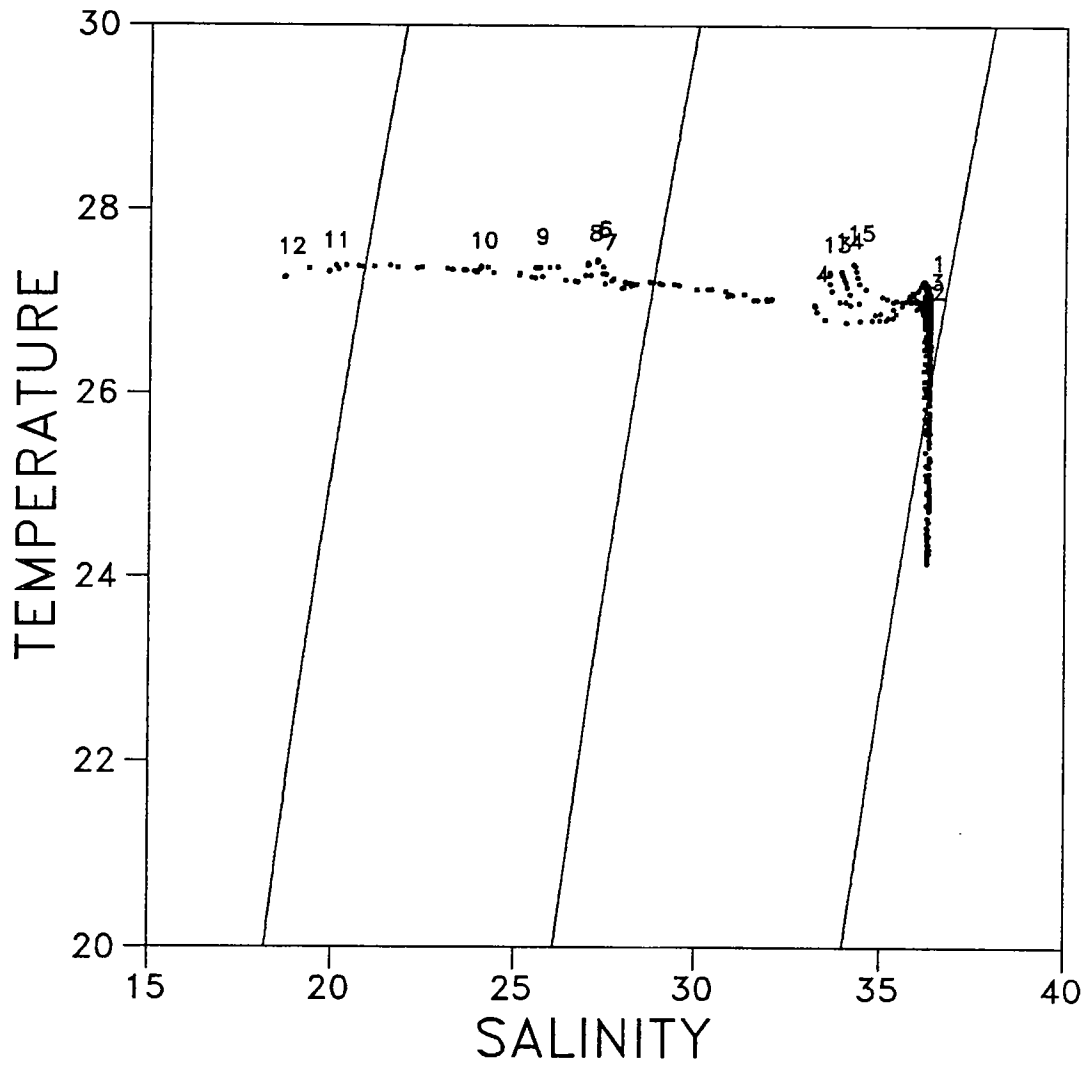
## **7. Graphic Description of CTD Data**

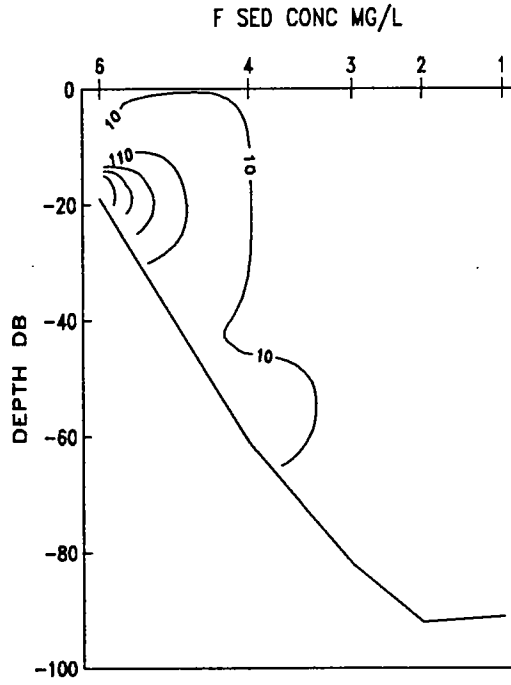
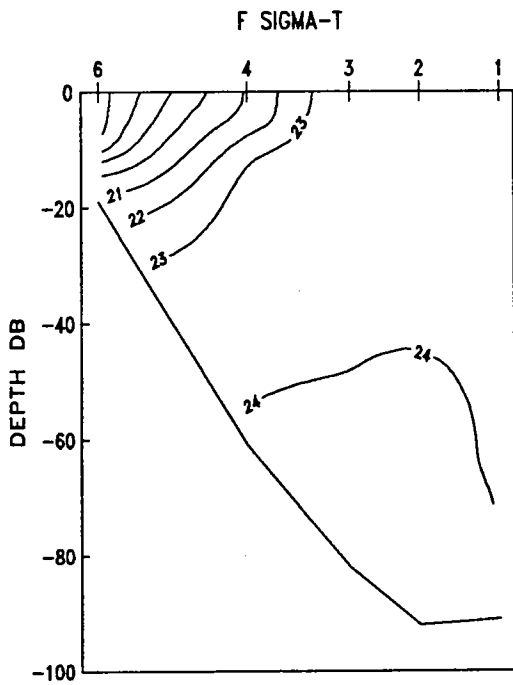
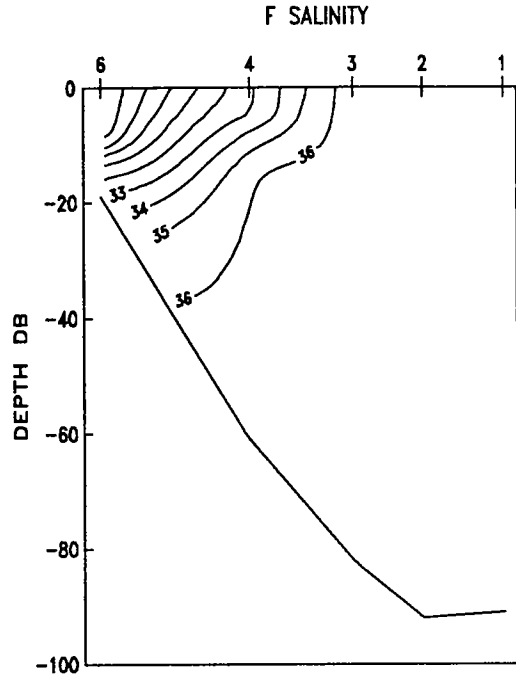
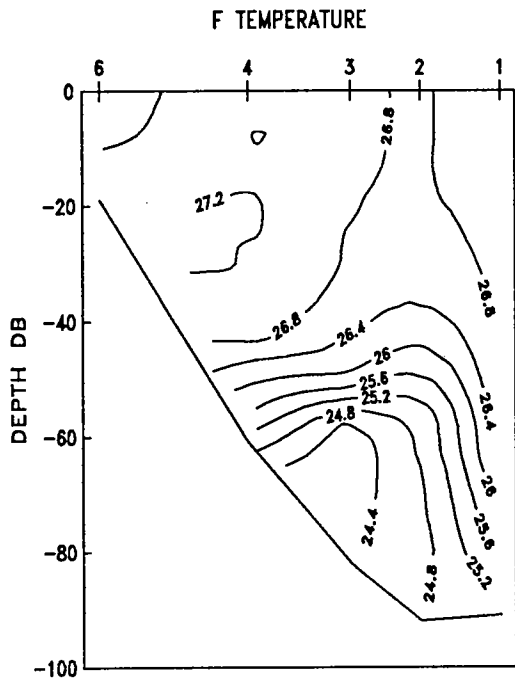
### **A. Leg 1 – Section F — February 10–11, 1990 Stations 1 to 15**



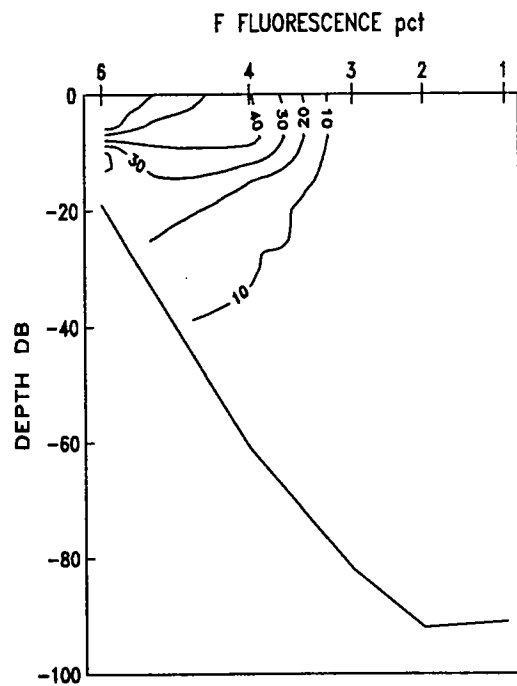
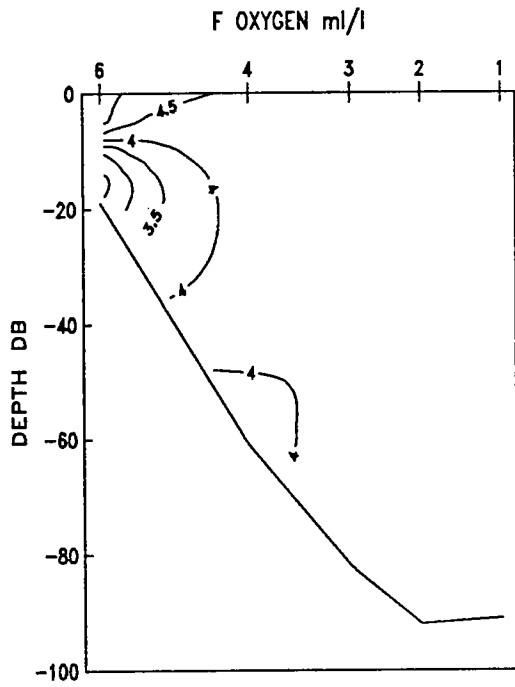












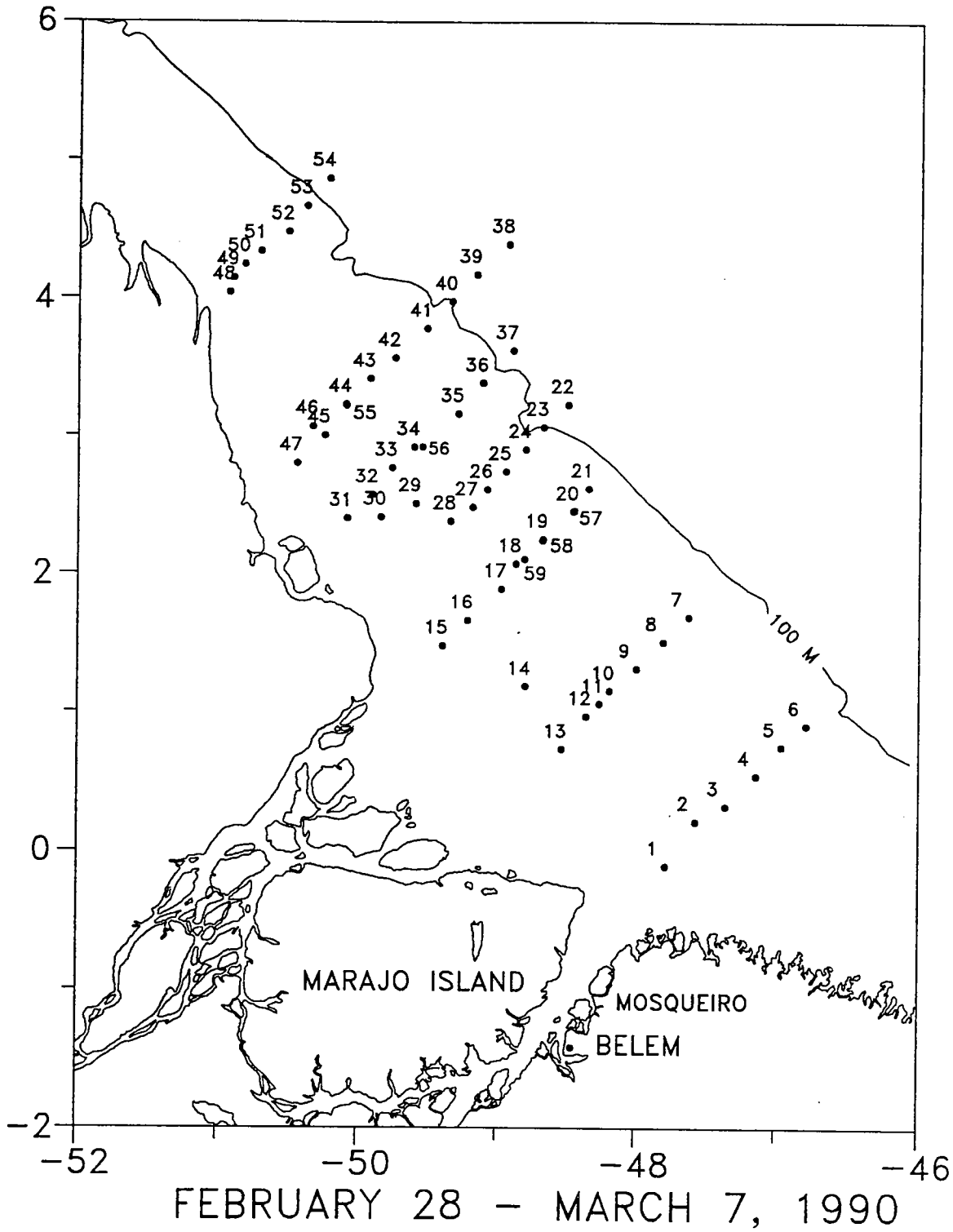


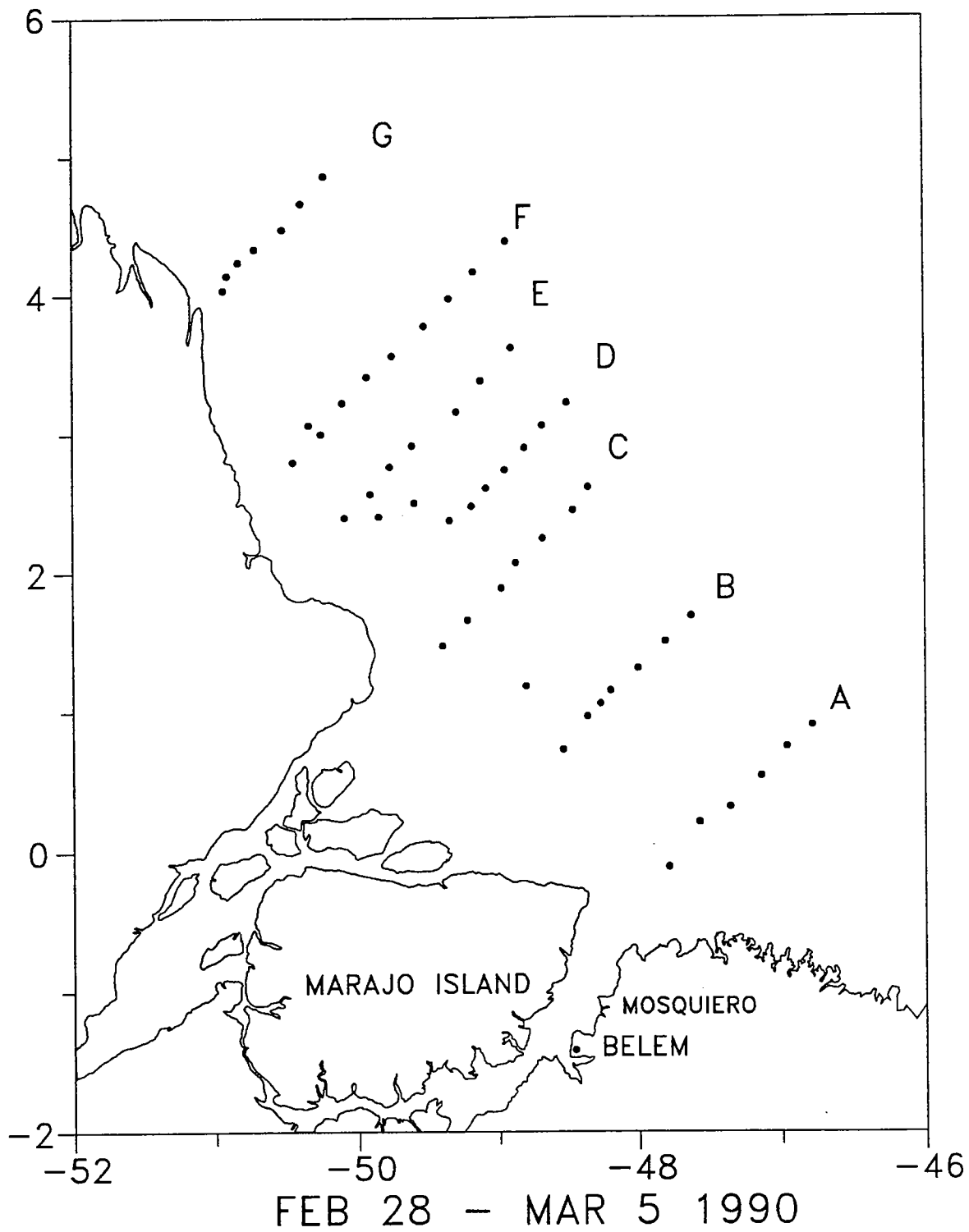


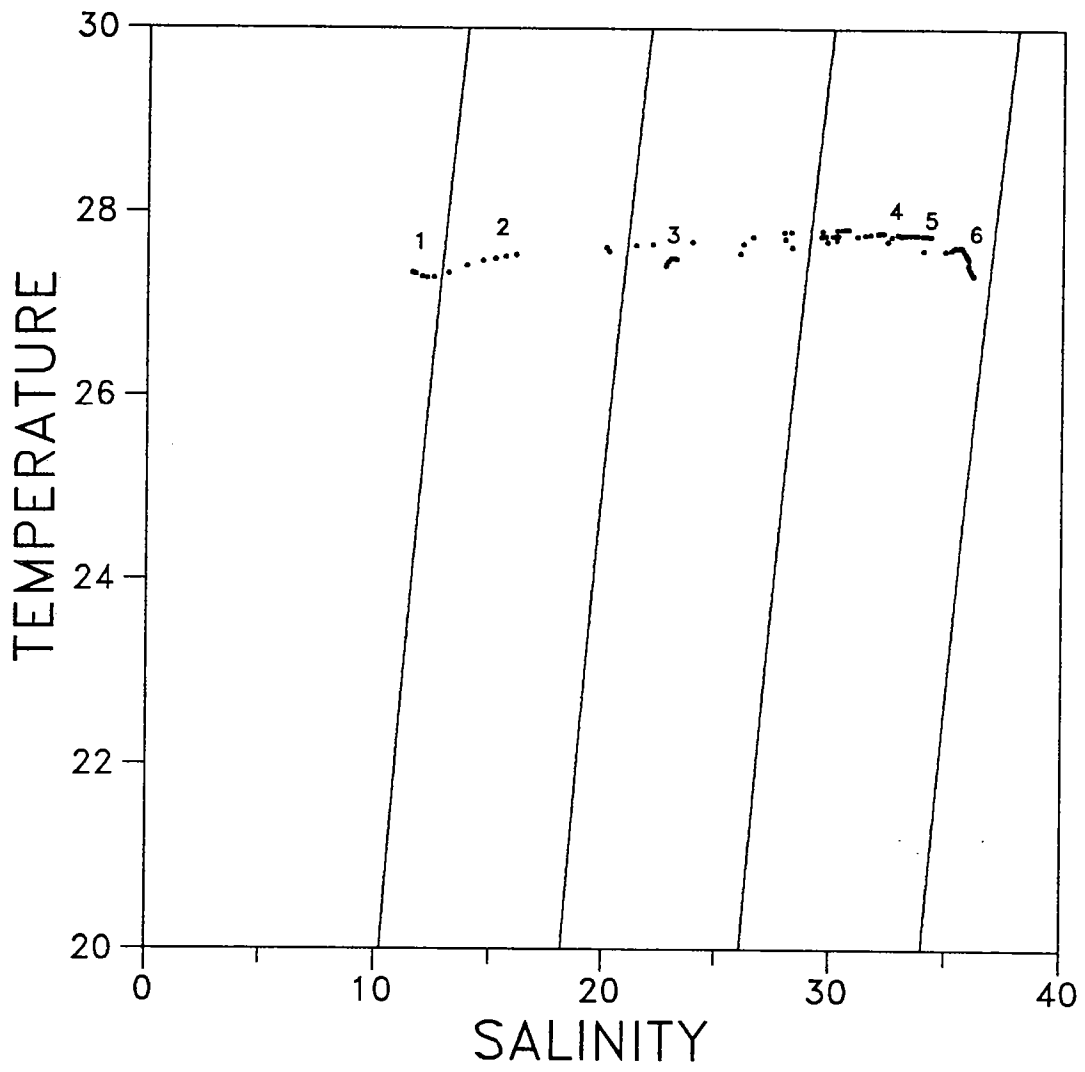


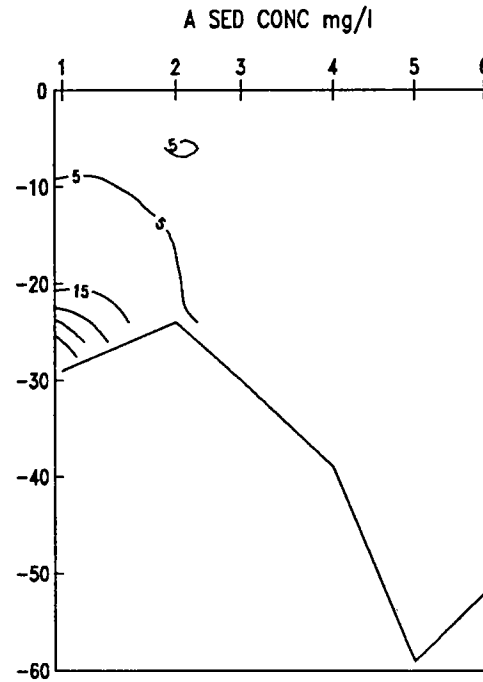
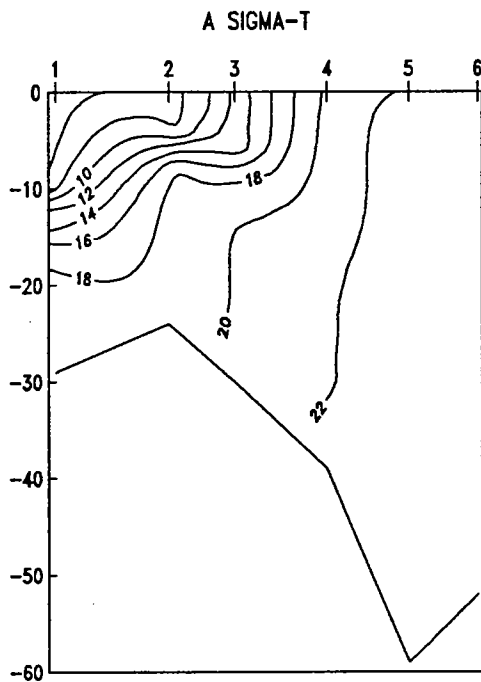
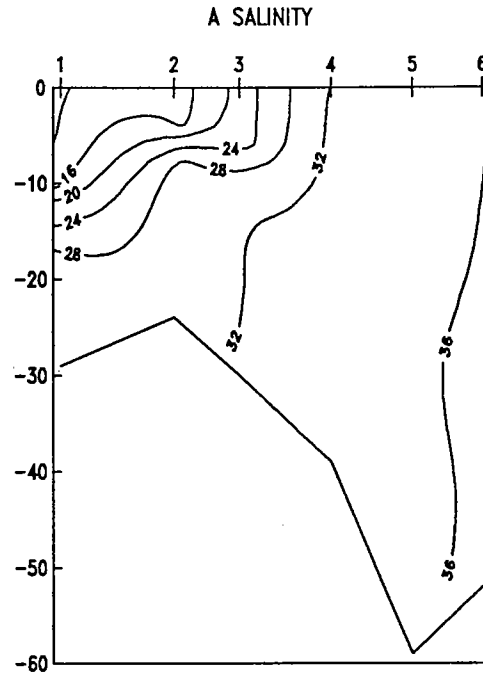
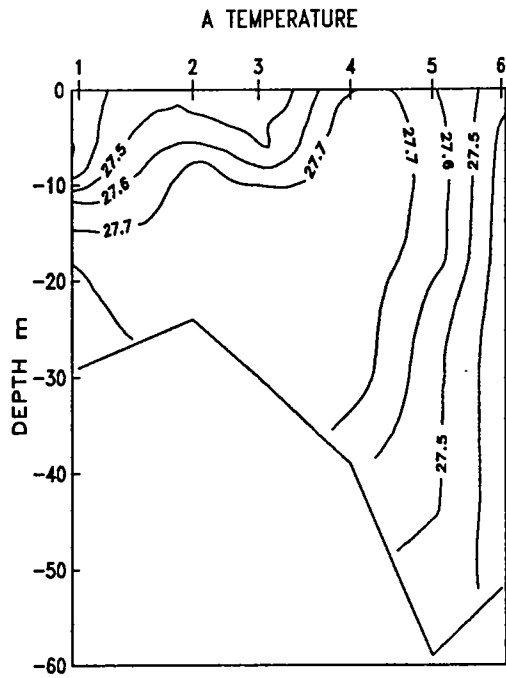


**B. Leg 3 – Large-Scale Survey — February 28–March 7, 1990**  
**Stations 1 to 54**

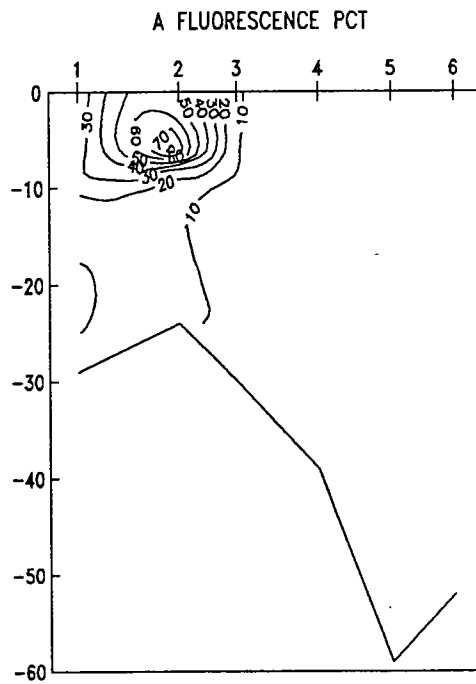
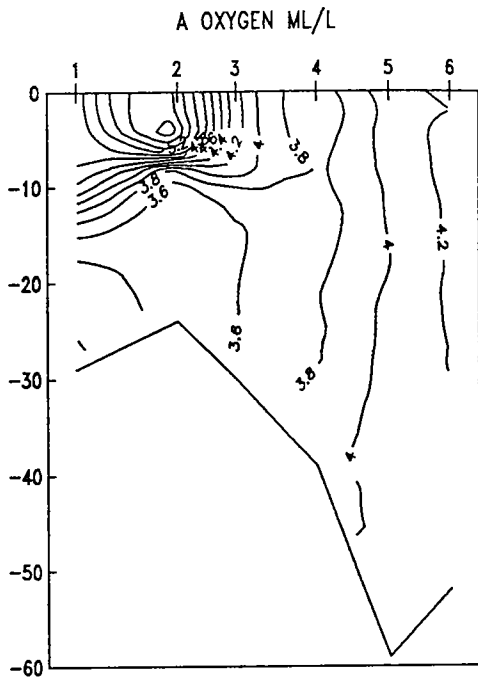


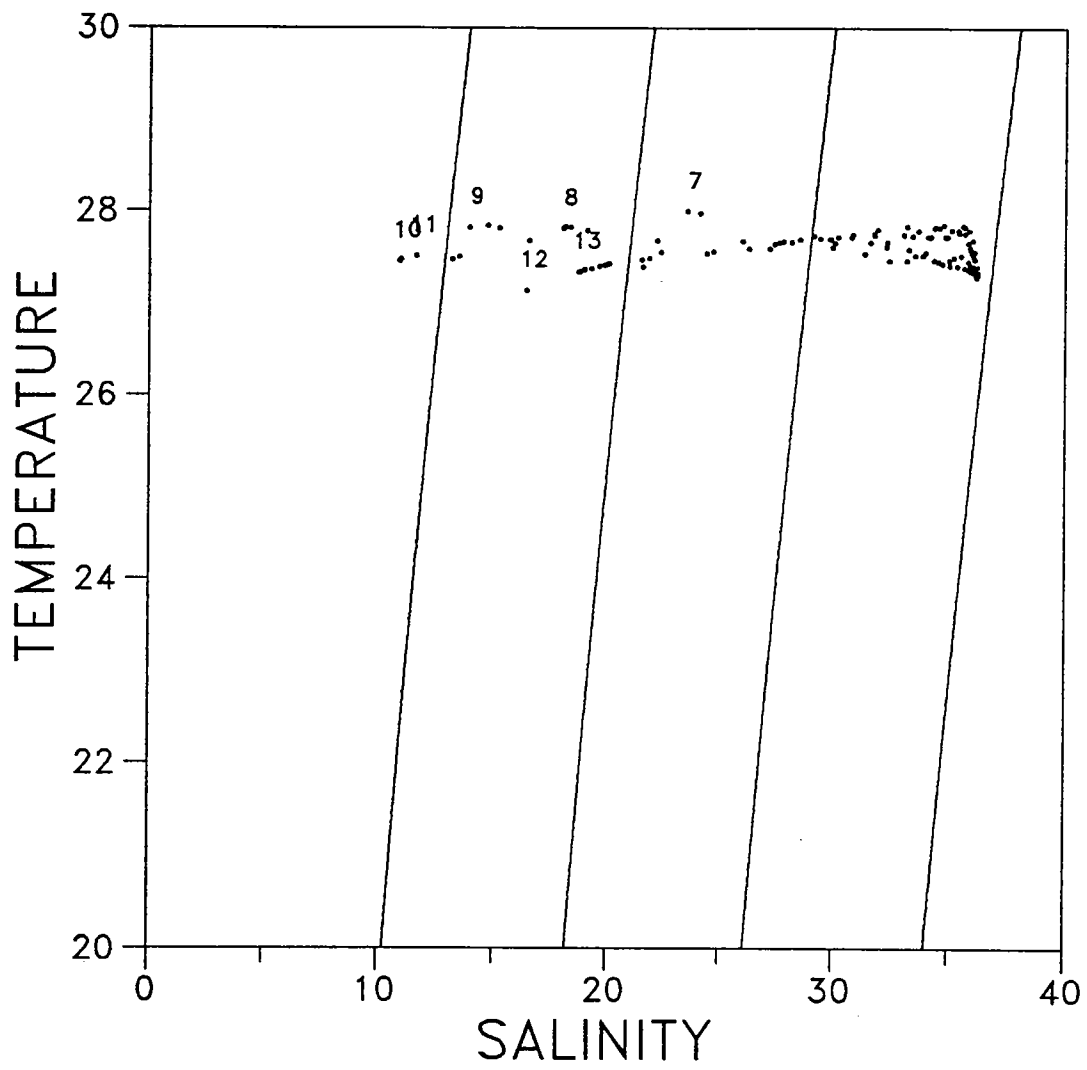




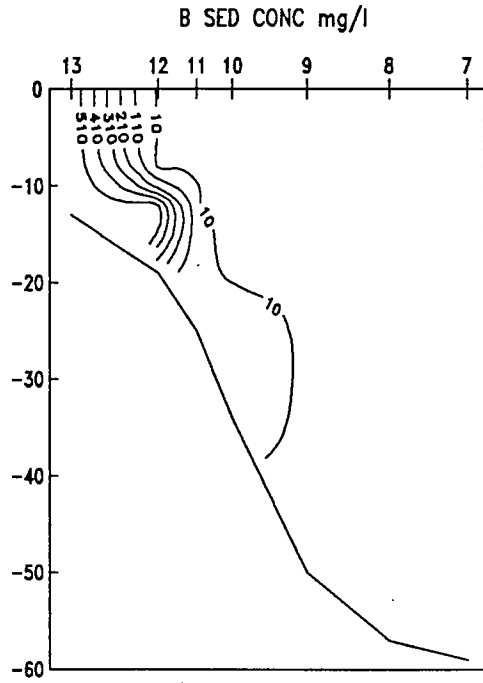
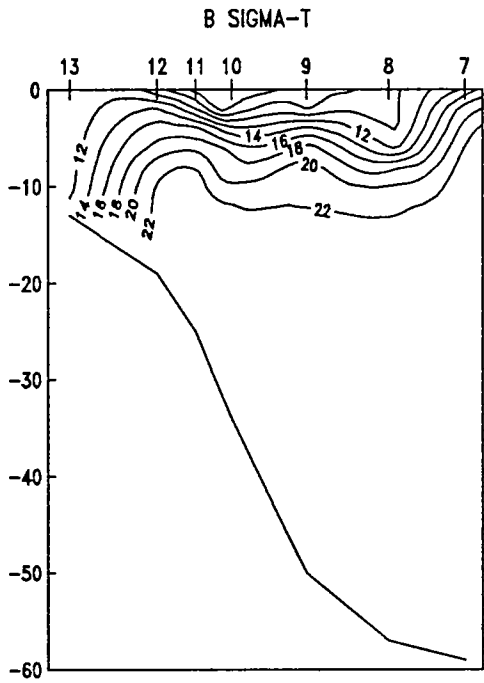
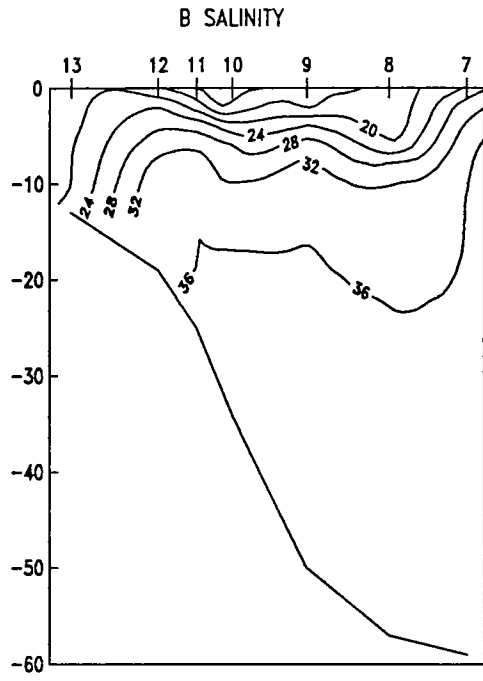
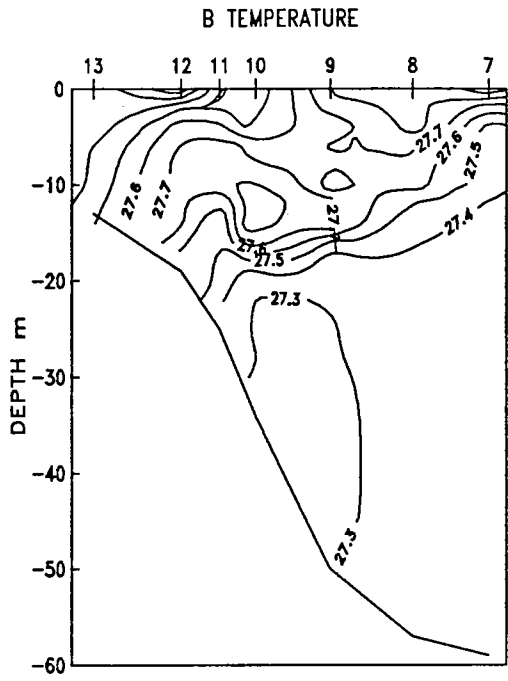




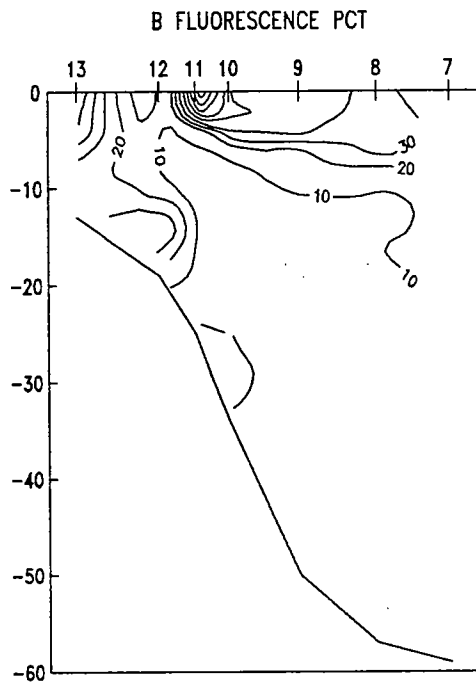
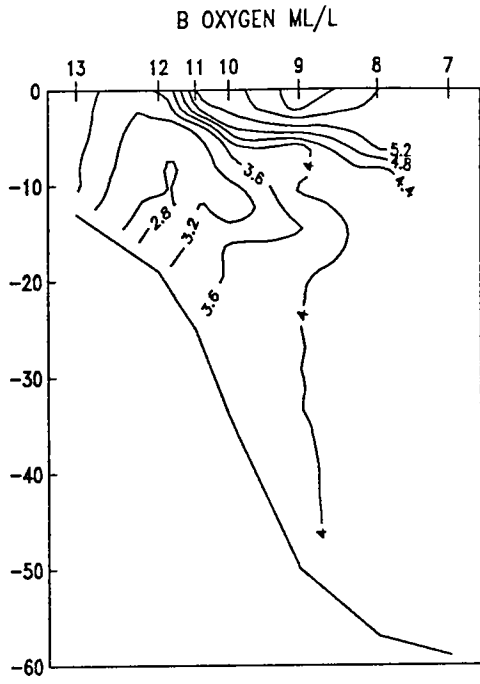


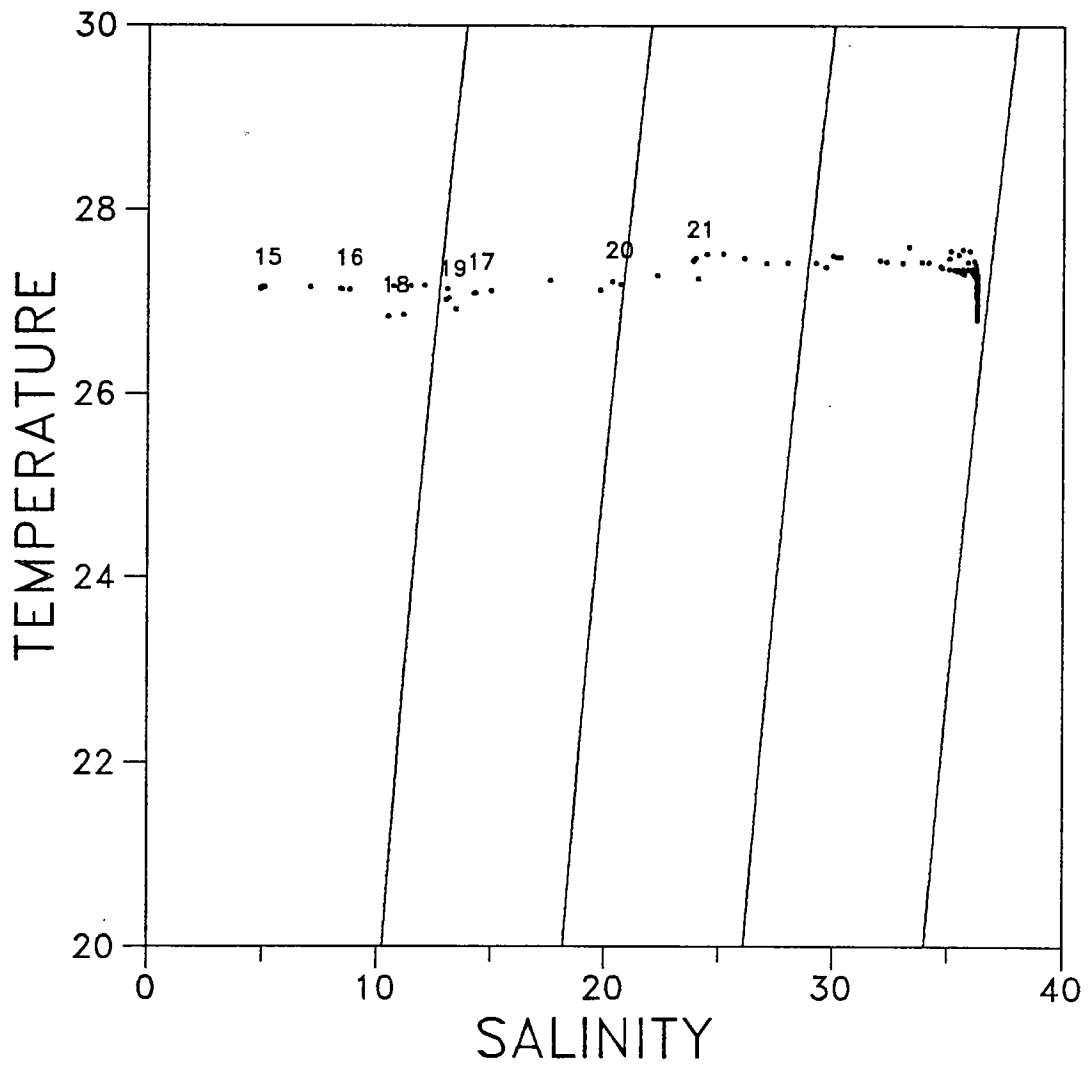


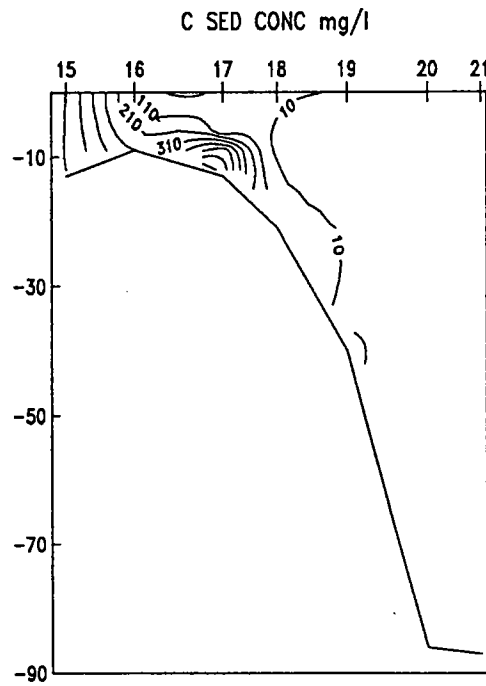
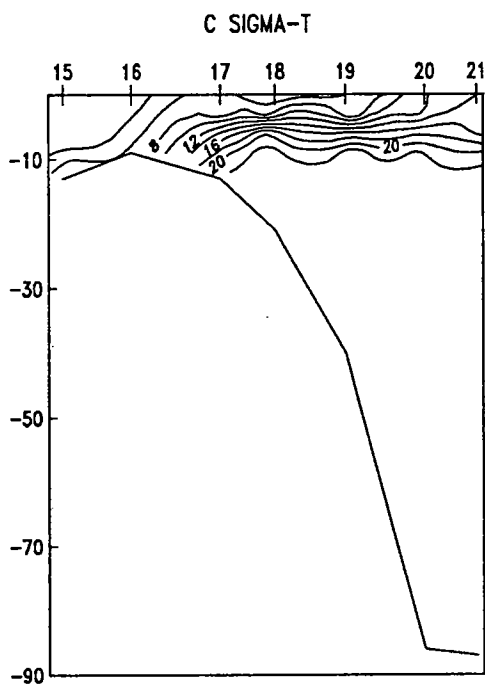
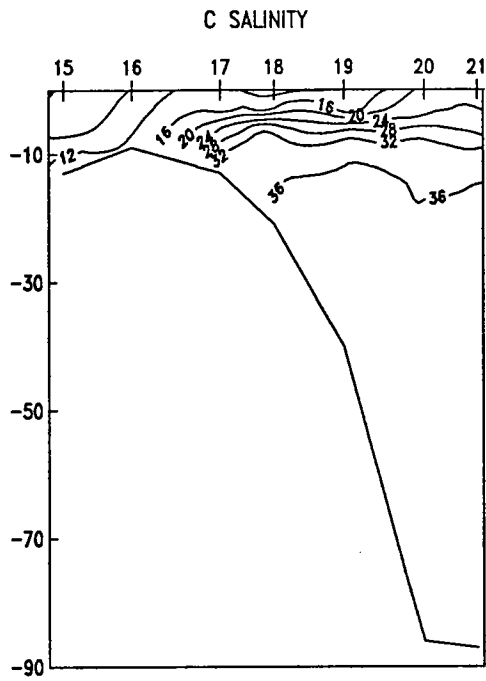
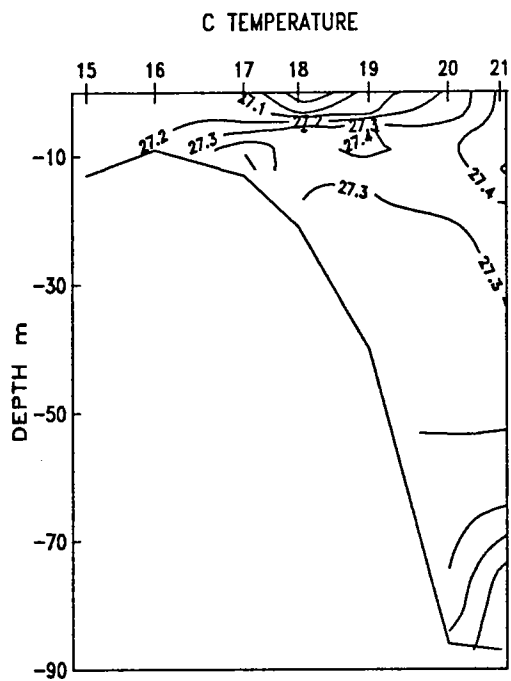




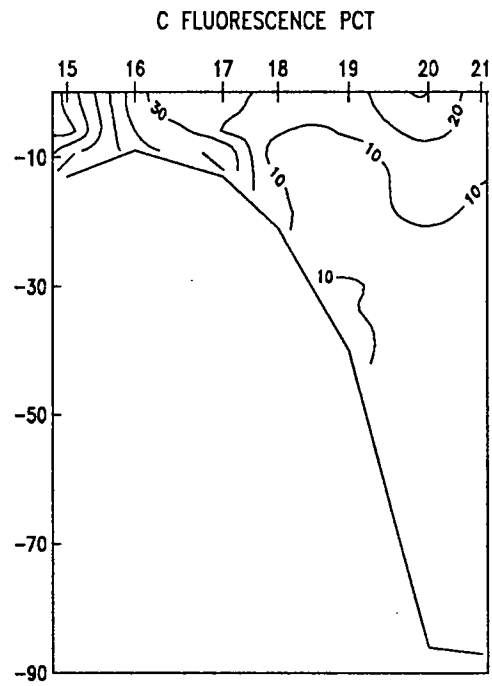
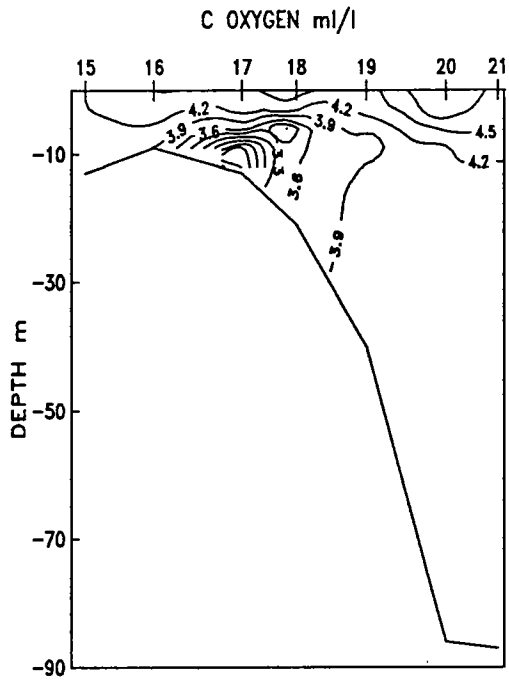


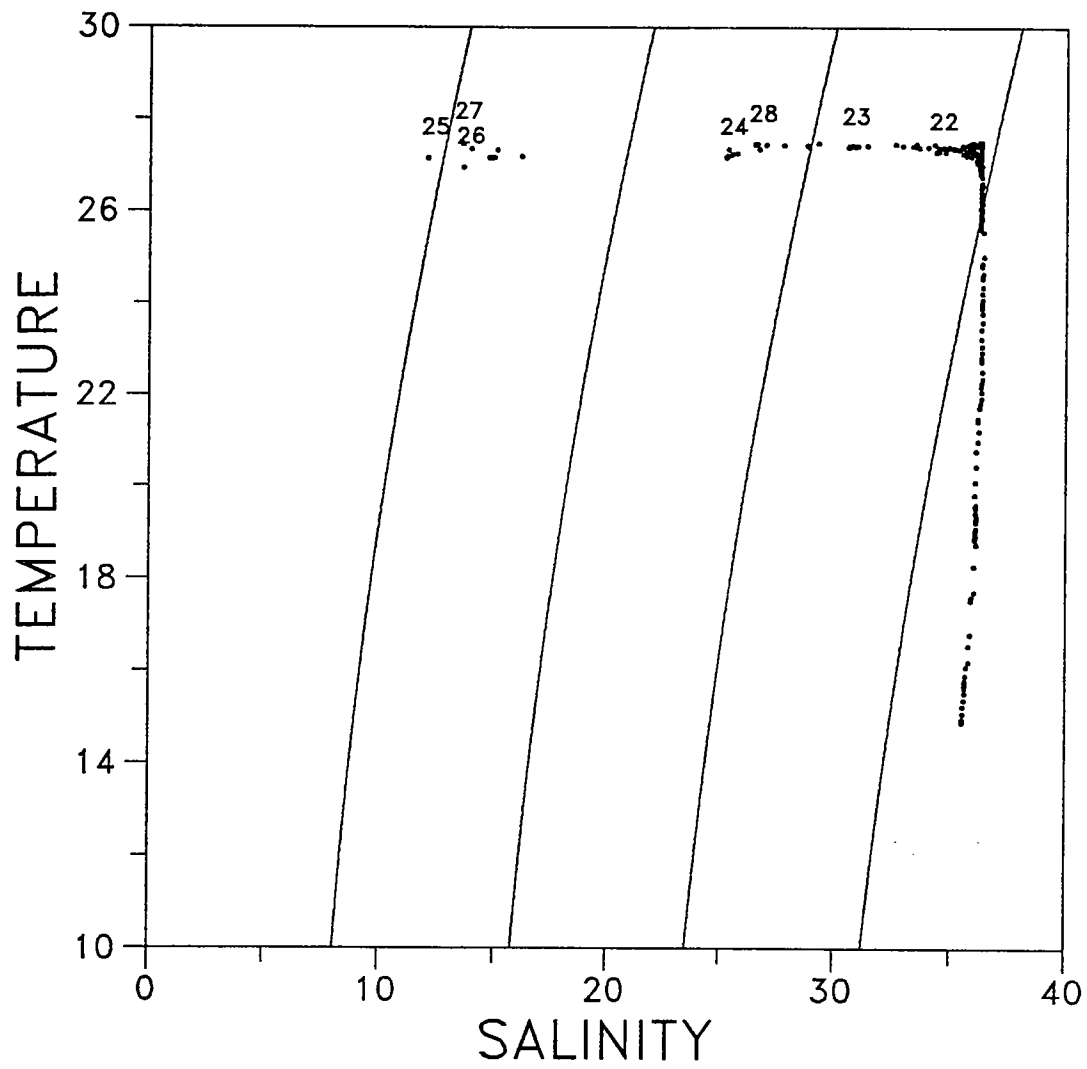




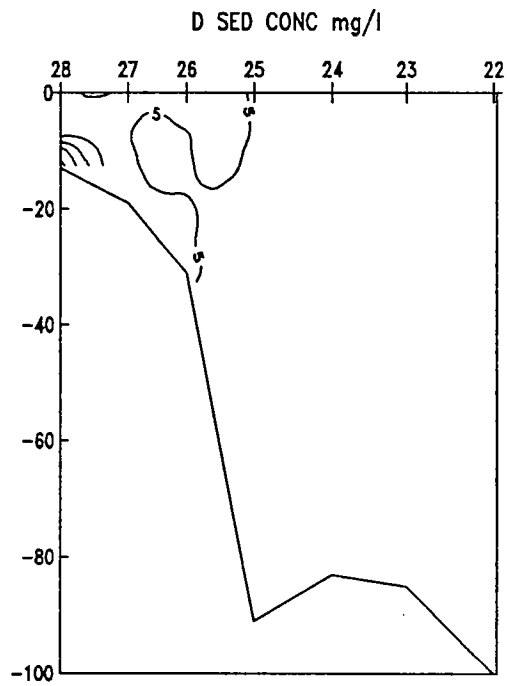
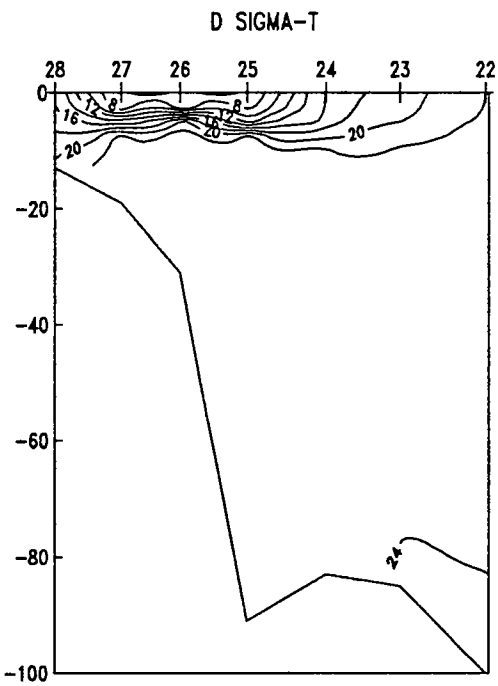
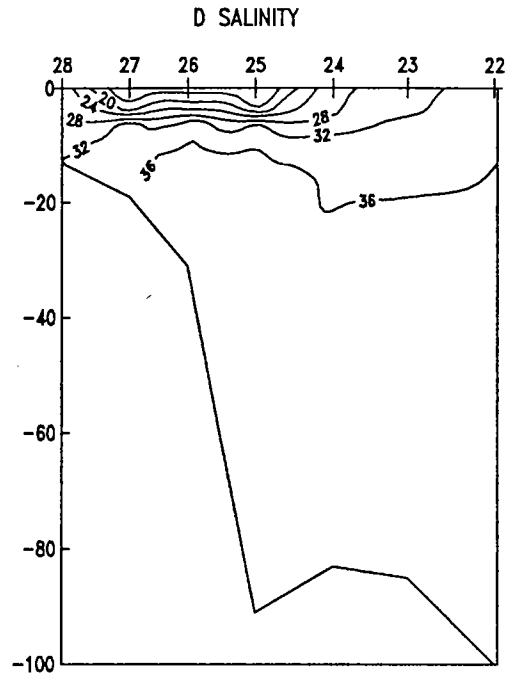
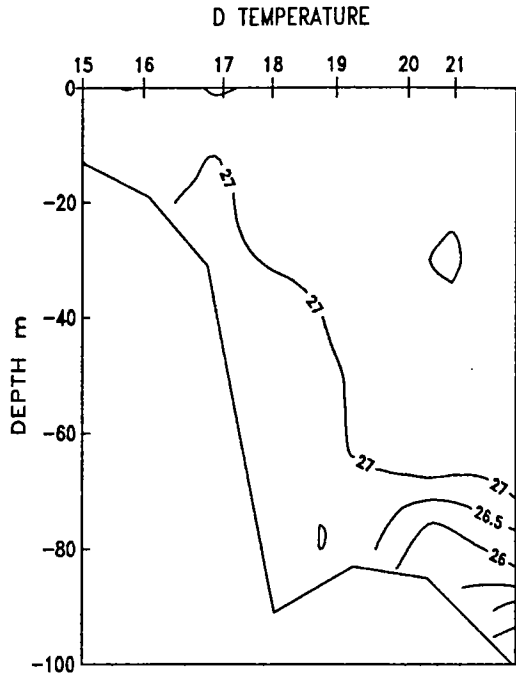




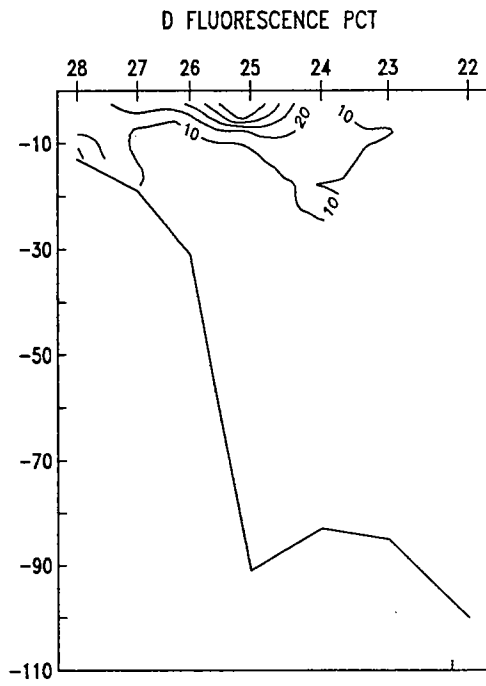
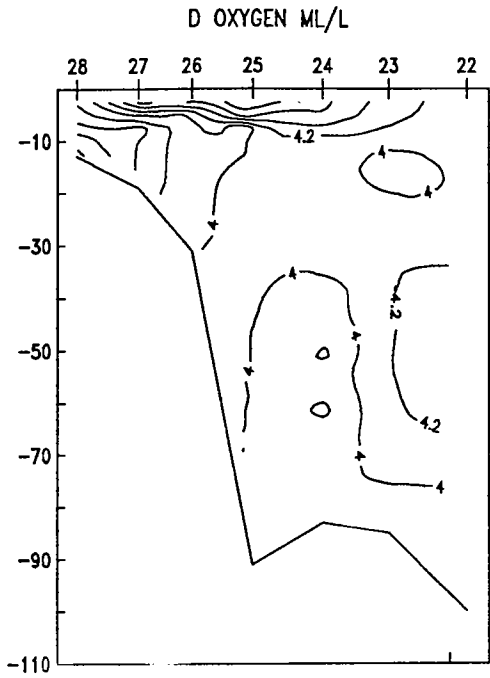


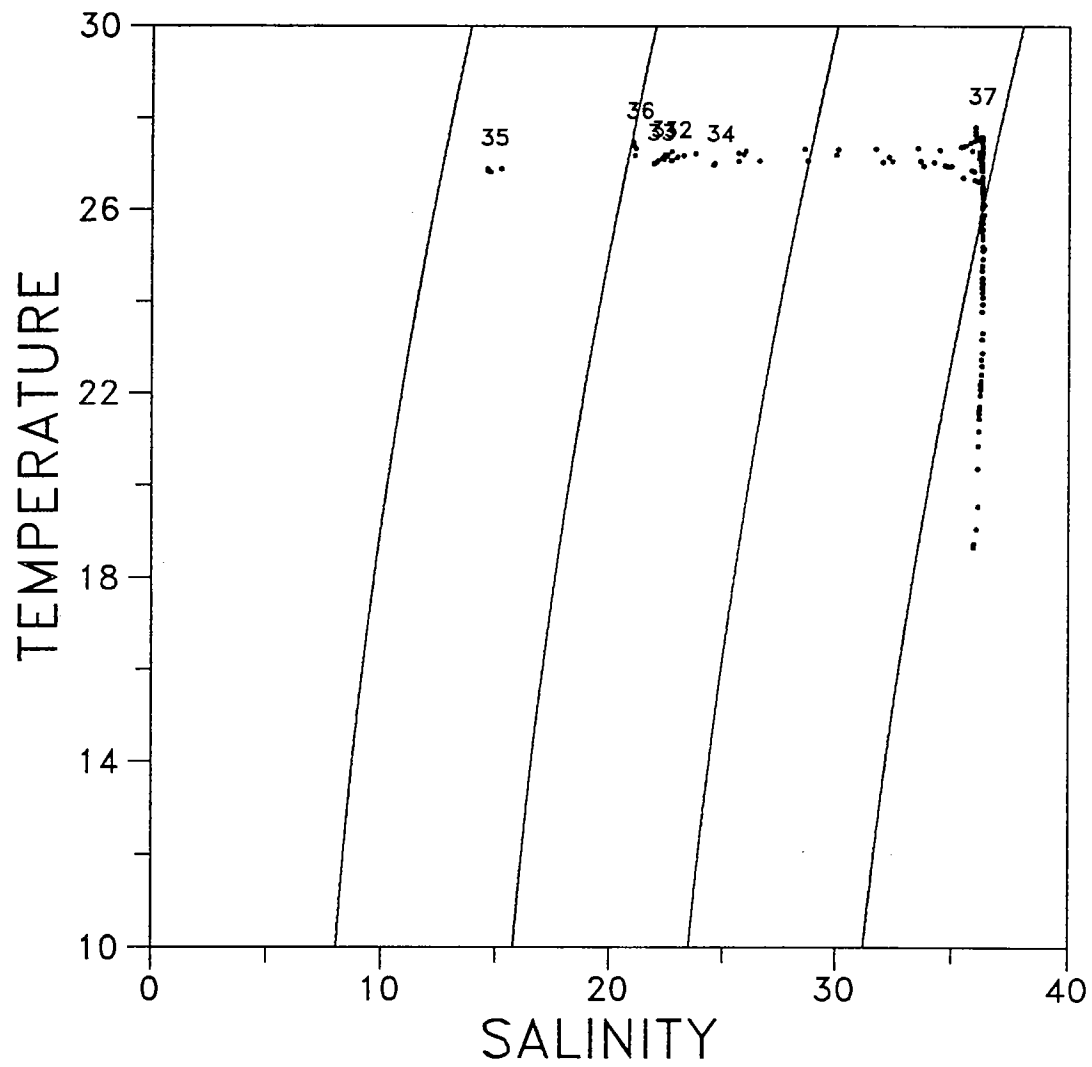


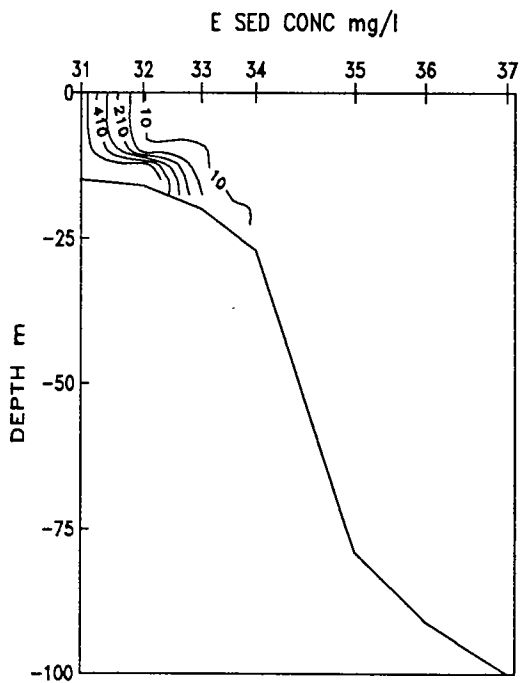
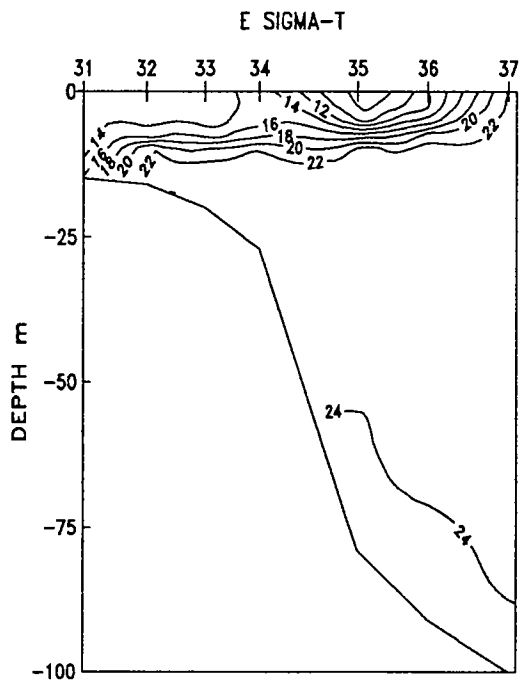
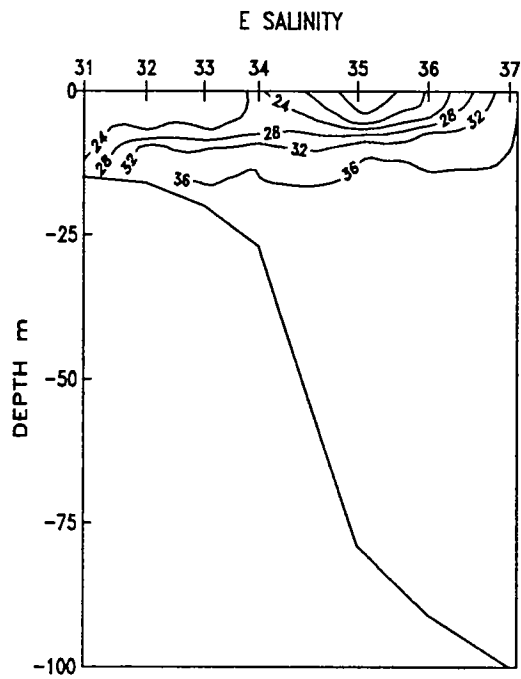
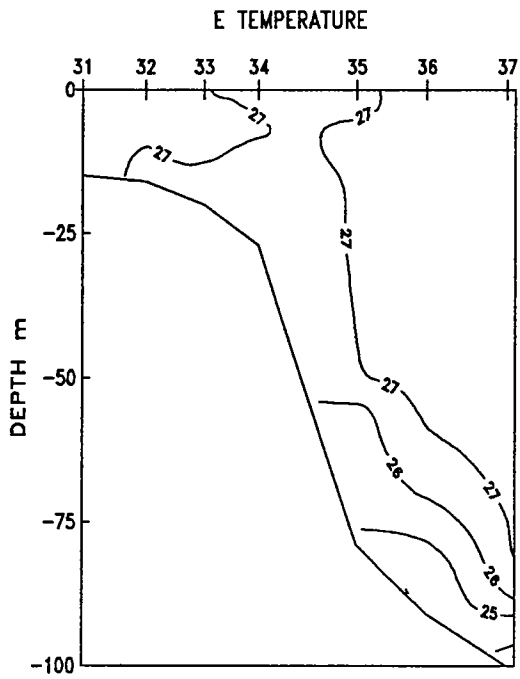




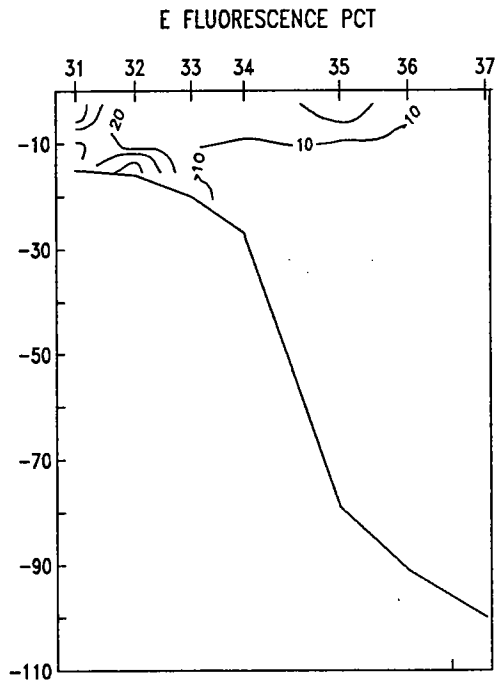
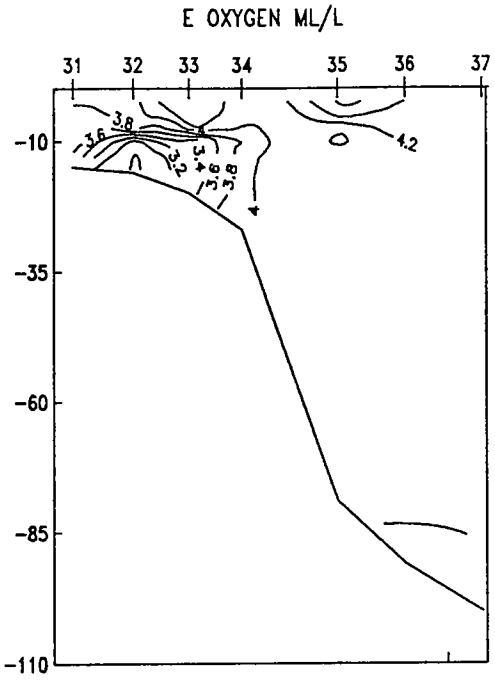


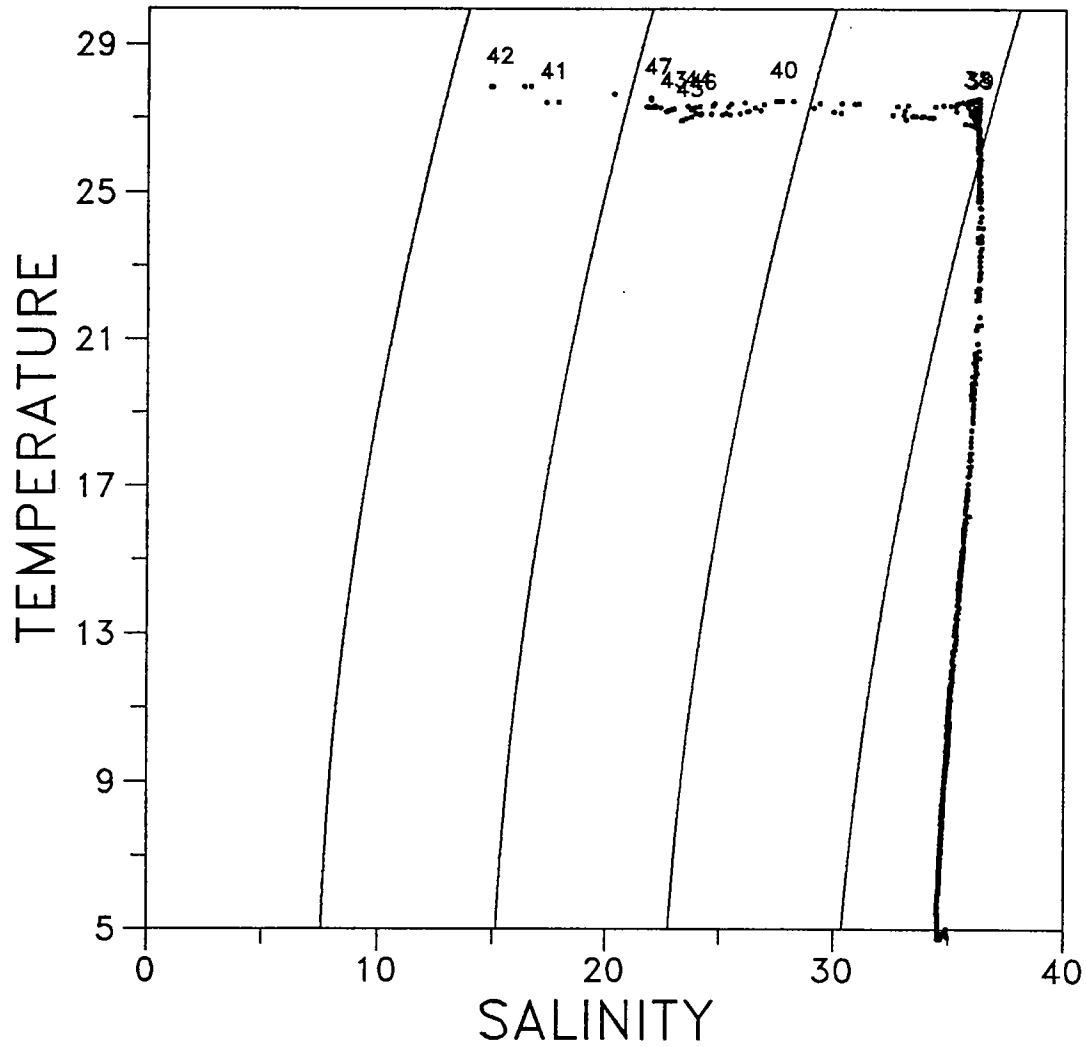




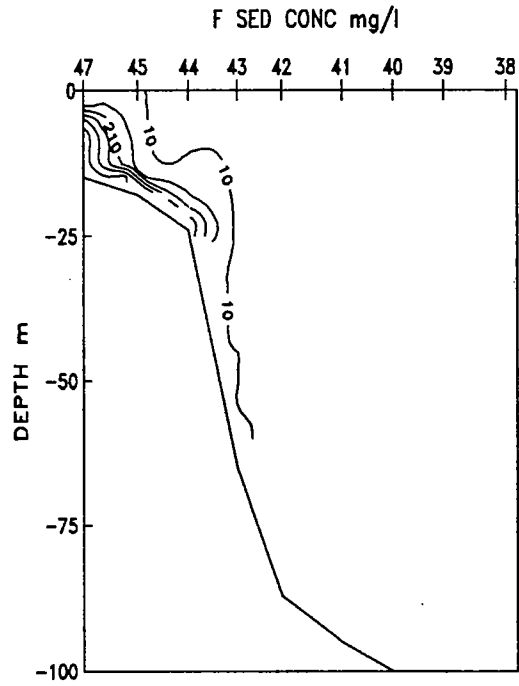
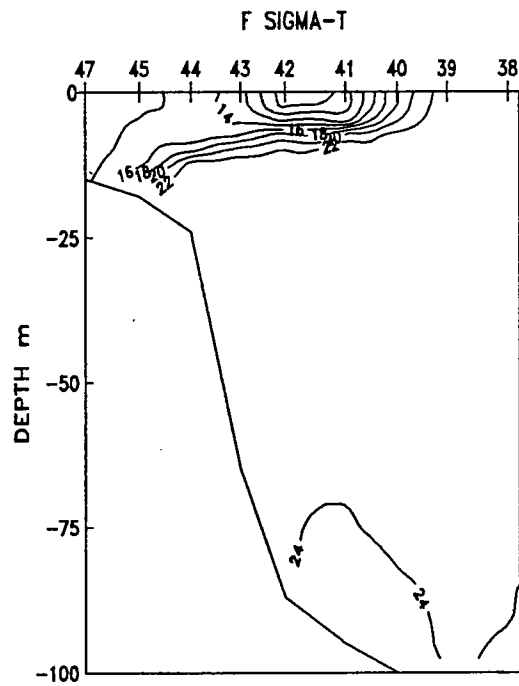
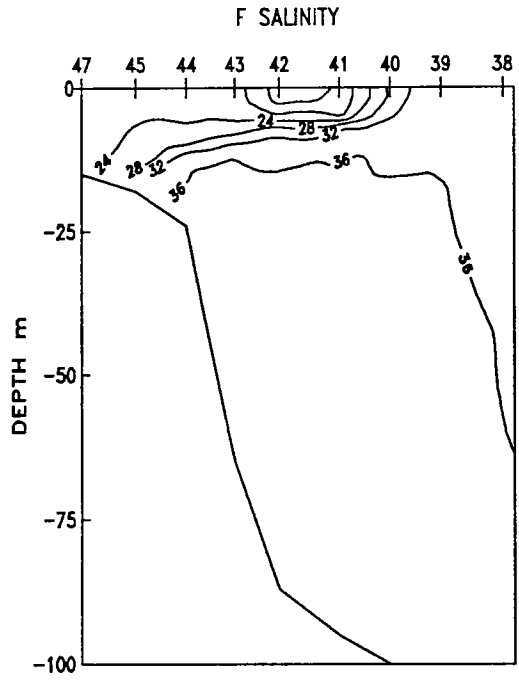
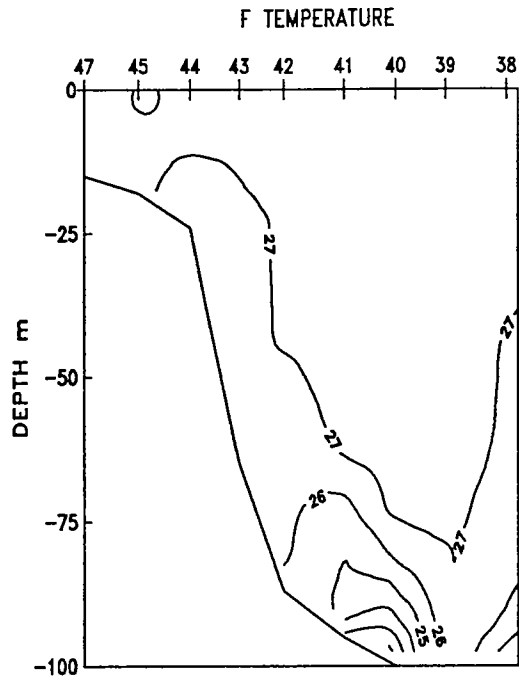




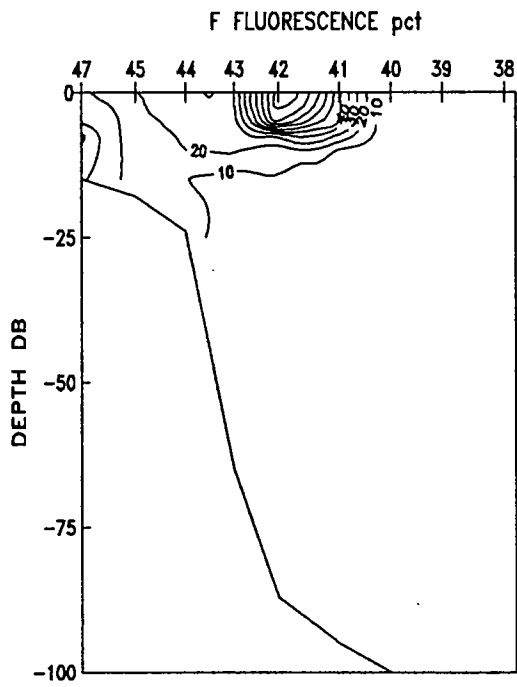
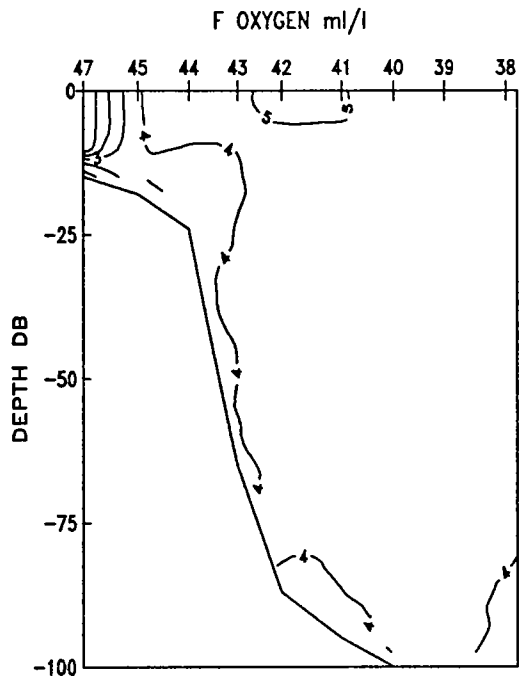


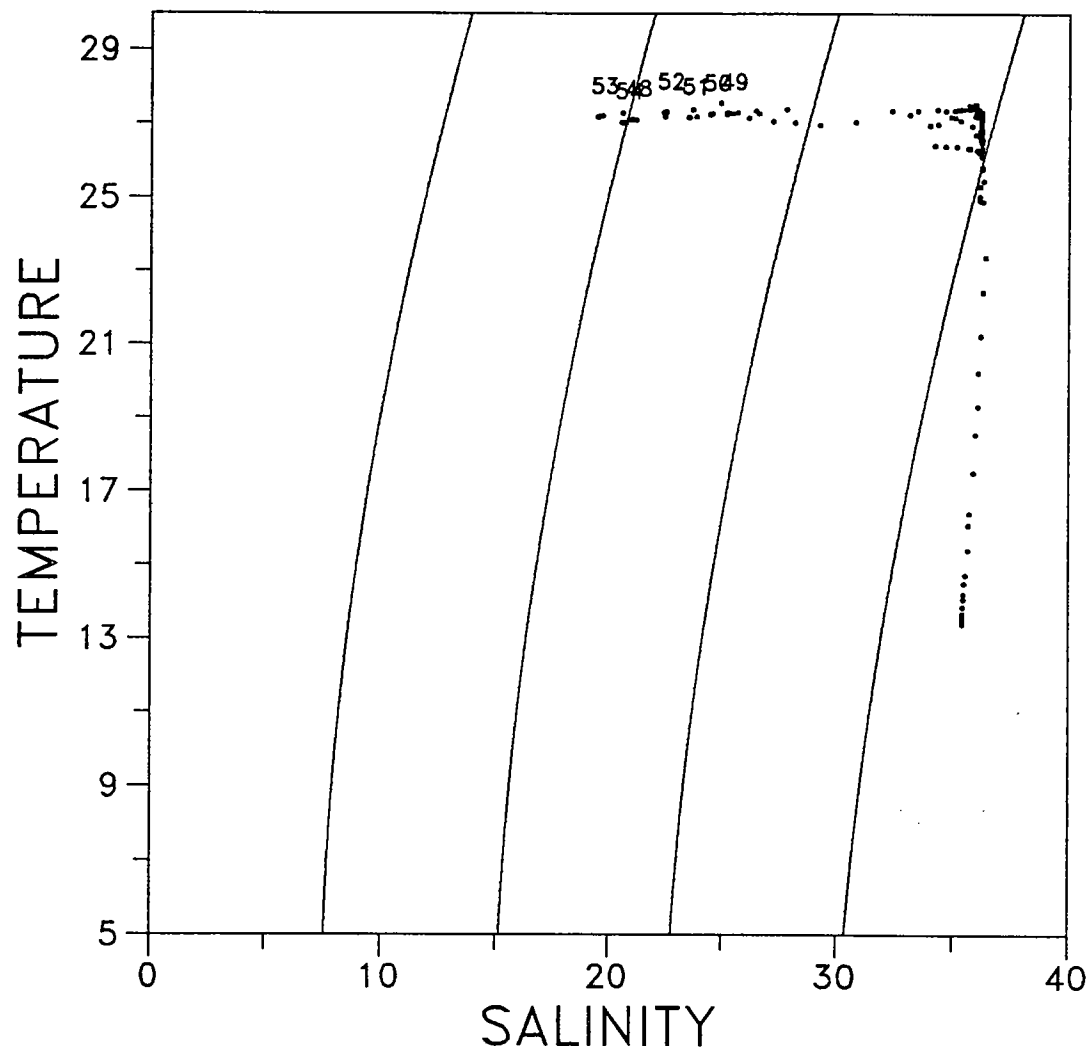


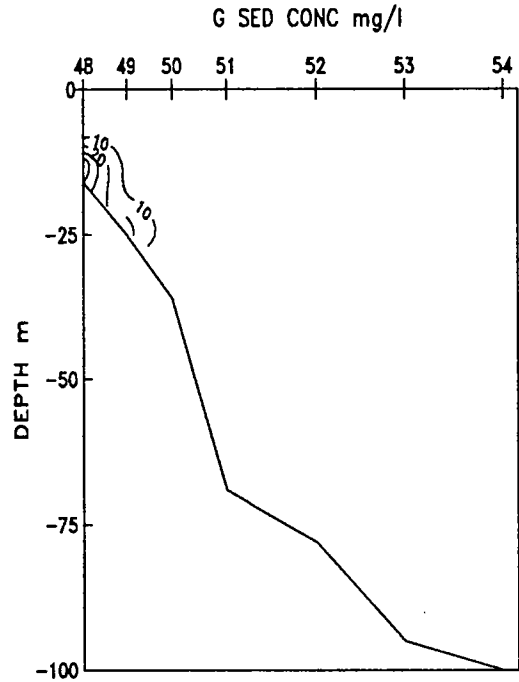
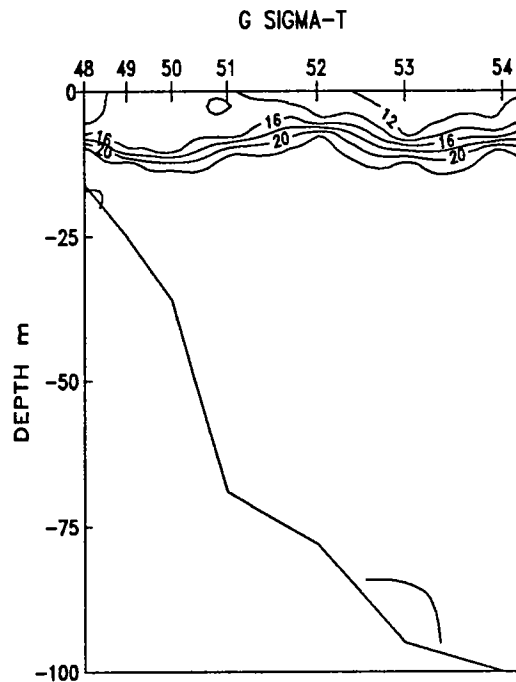
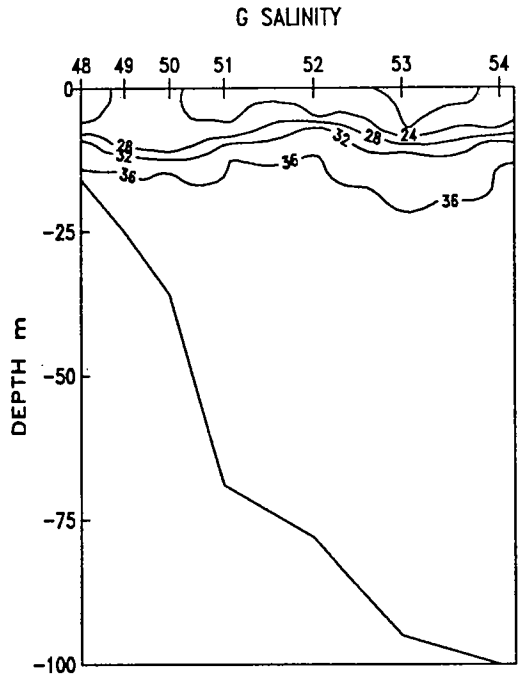
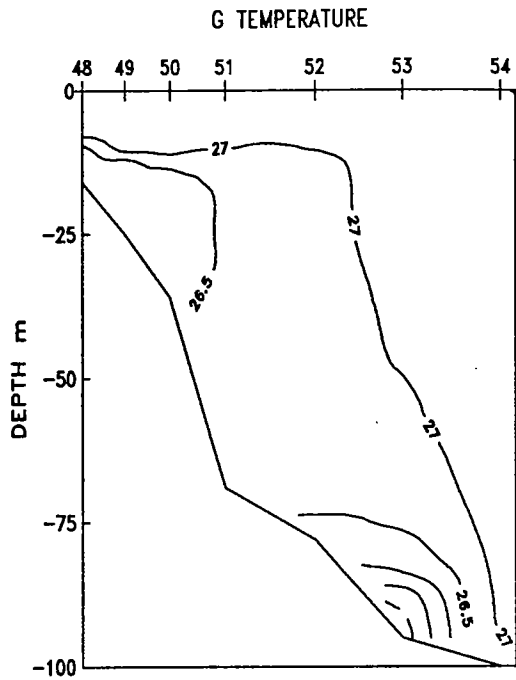




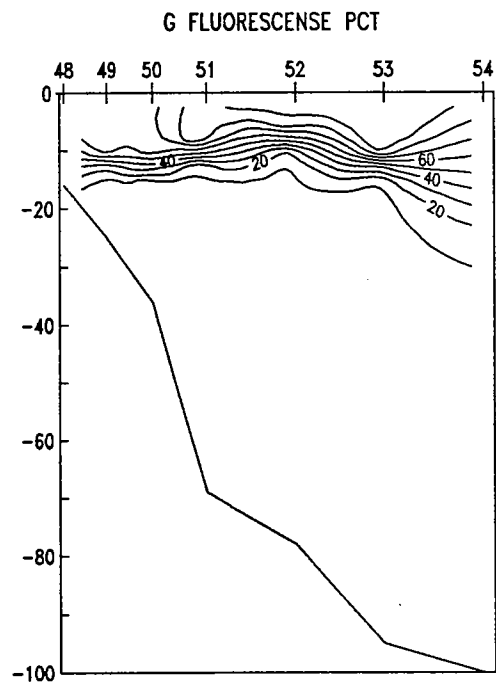
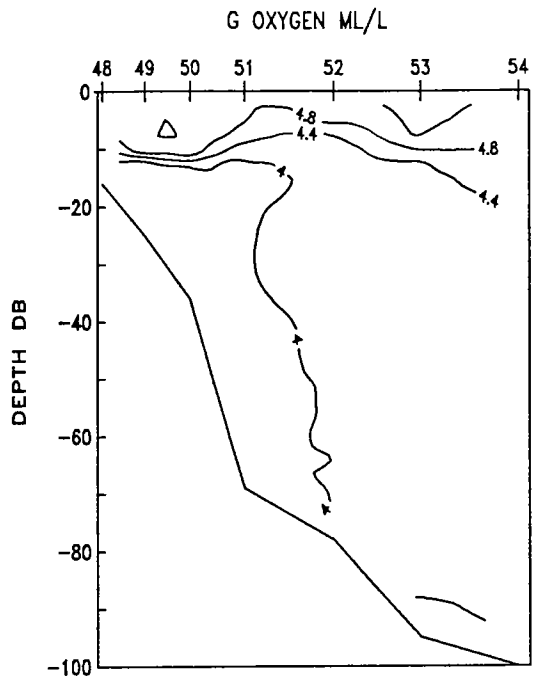


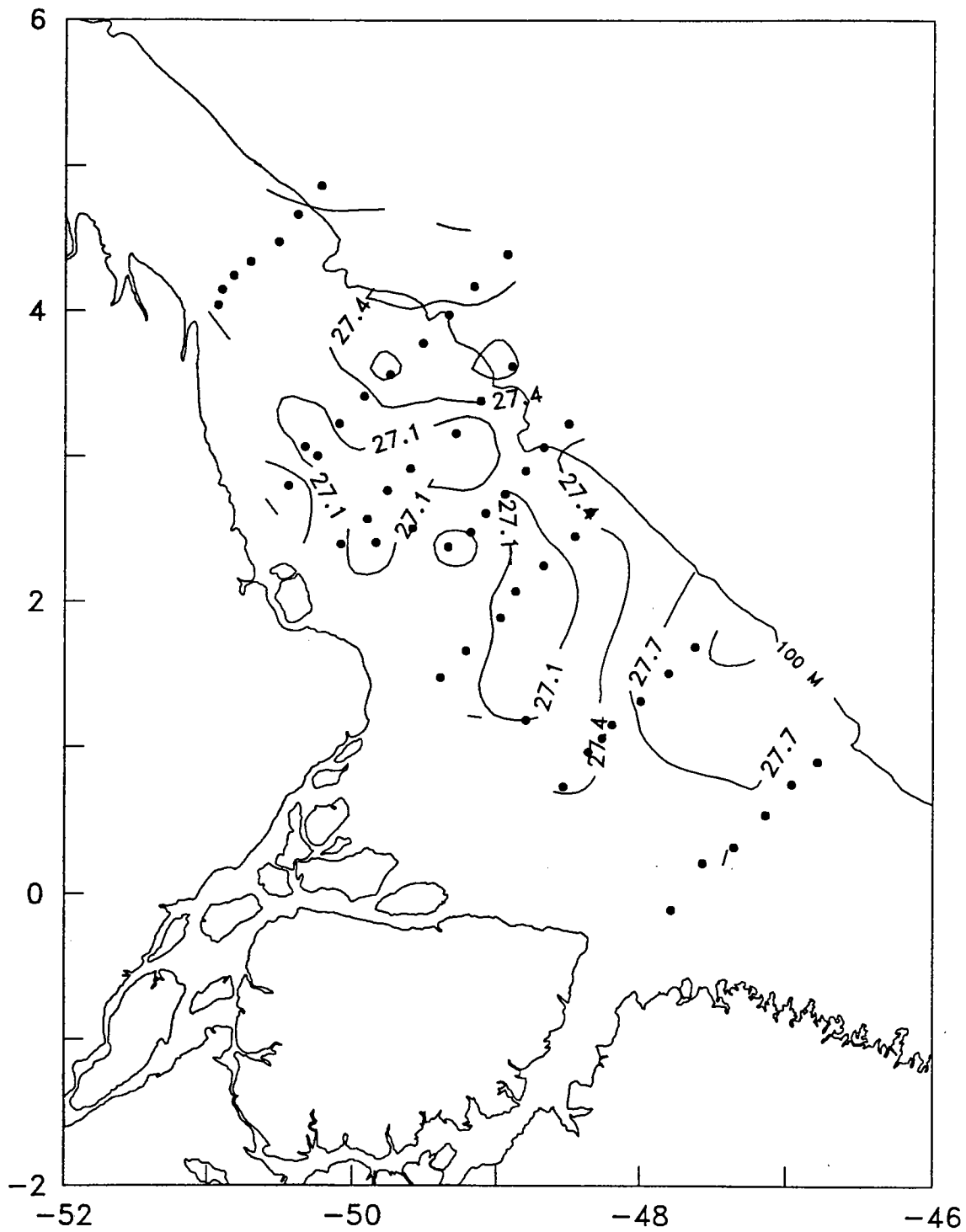






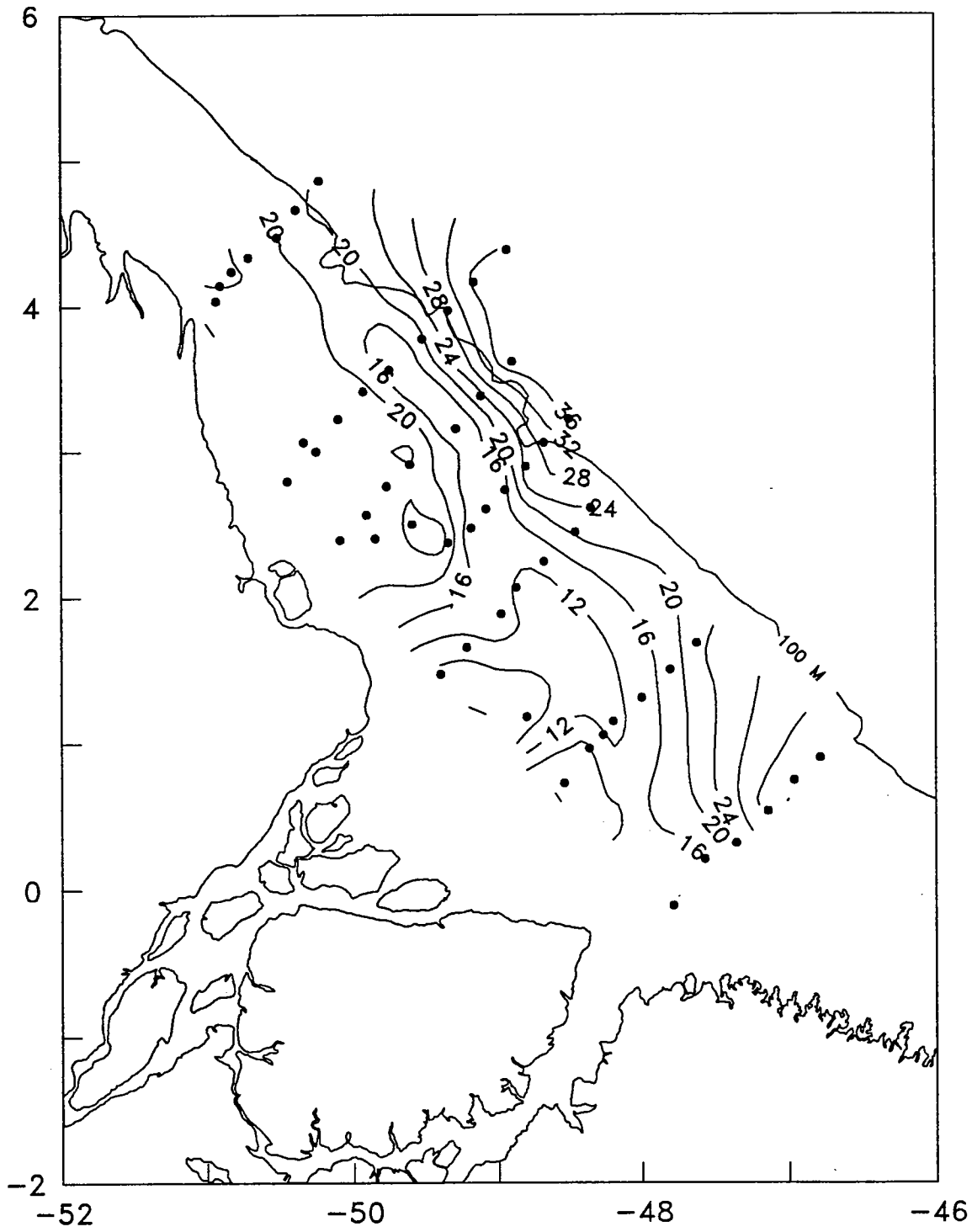




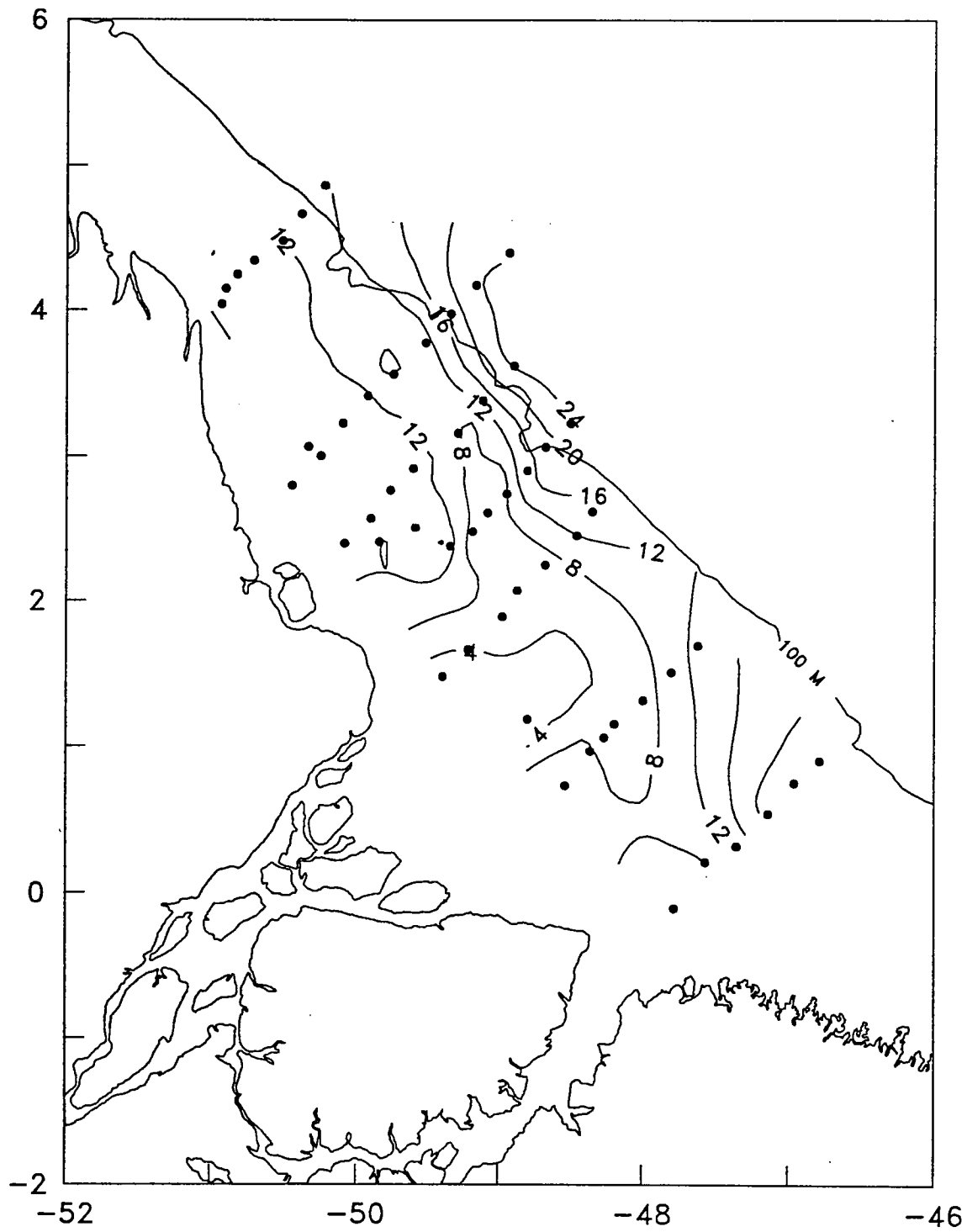


SURFACE TEMP FEB 27 - MAR 7, 1990

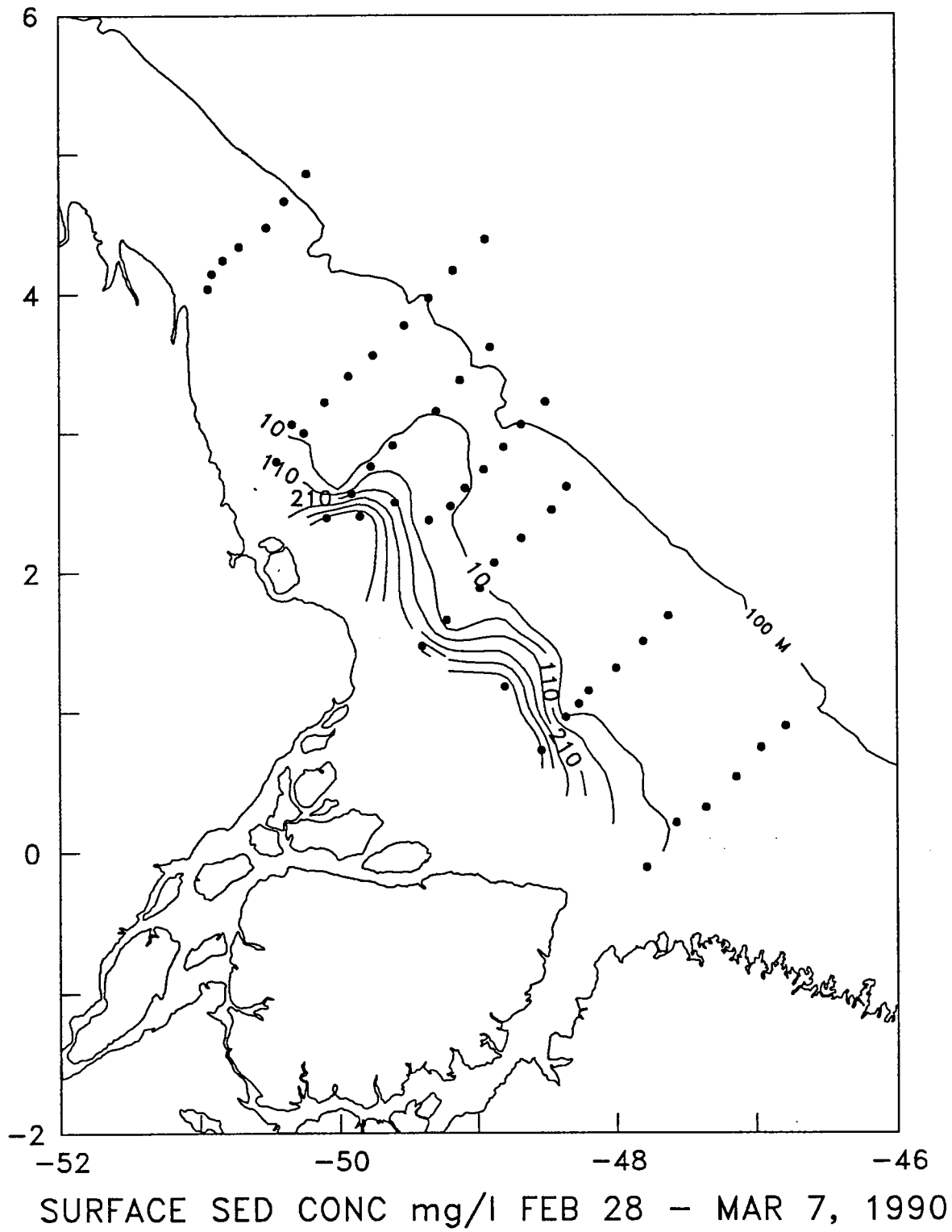


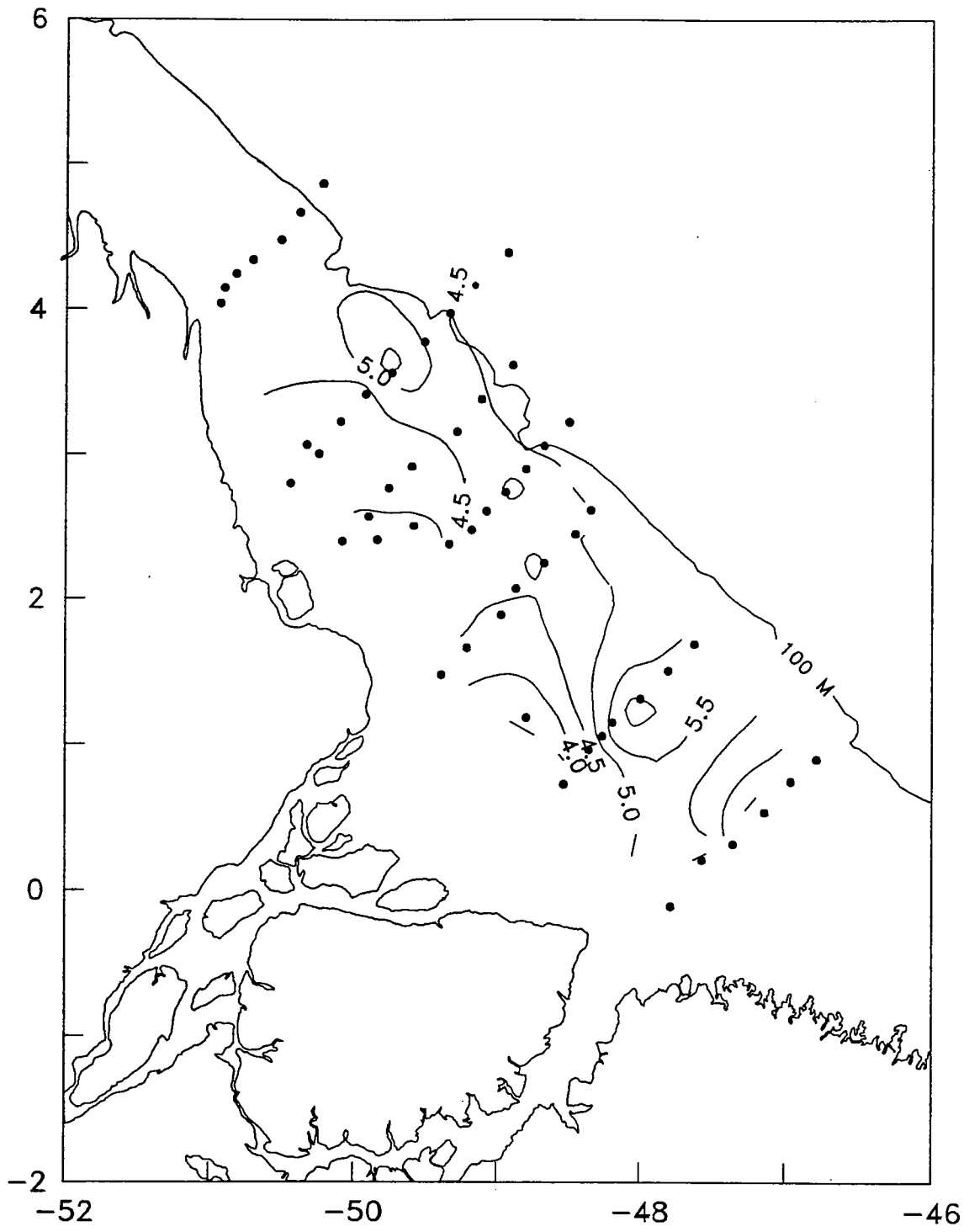


SURFACE SALINITY FEB 28 - MAR 7, 1990

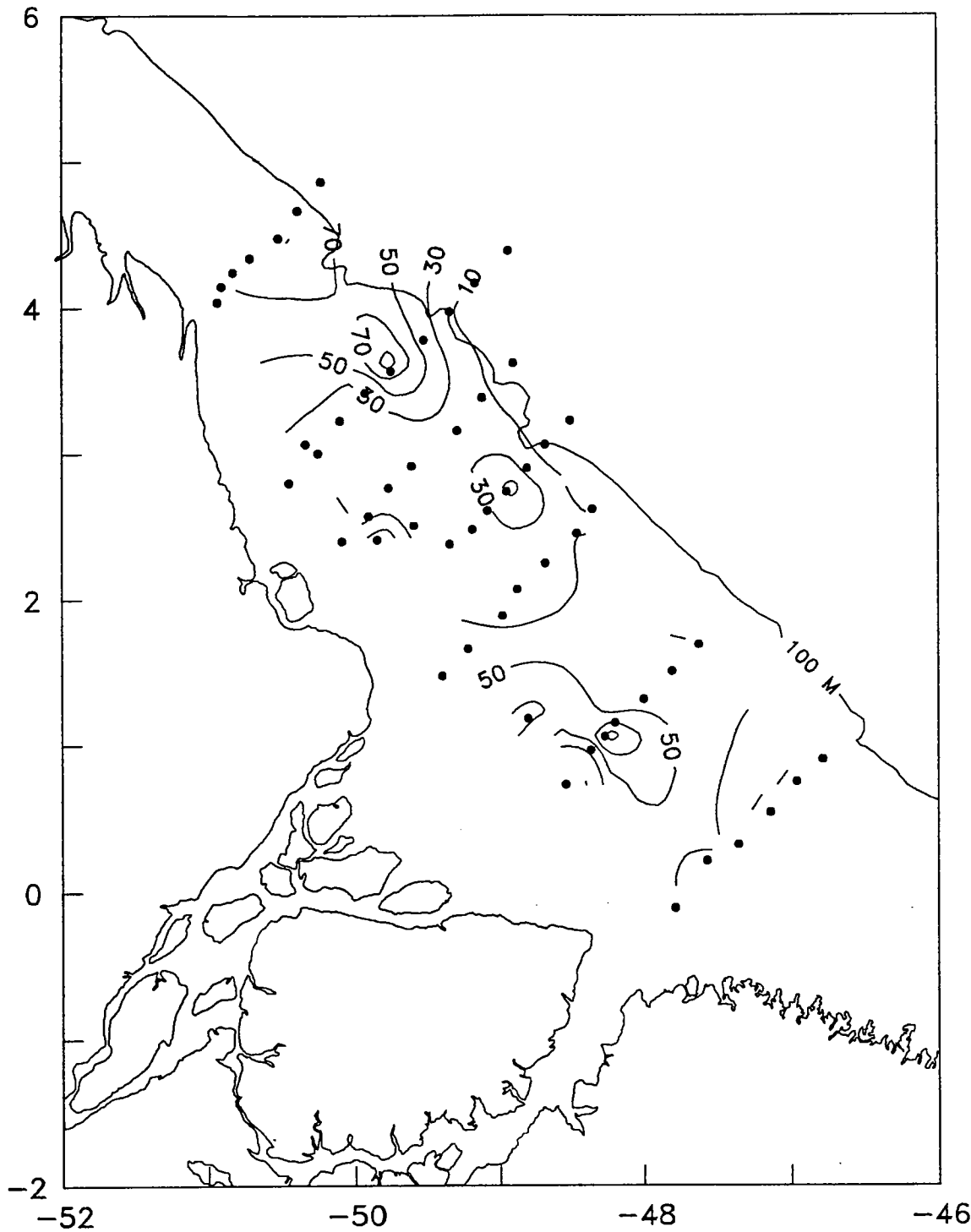


SURFACE SIGMA-T FEB 28 - MAR 7, 1990

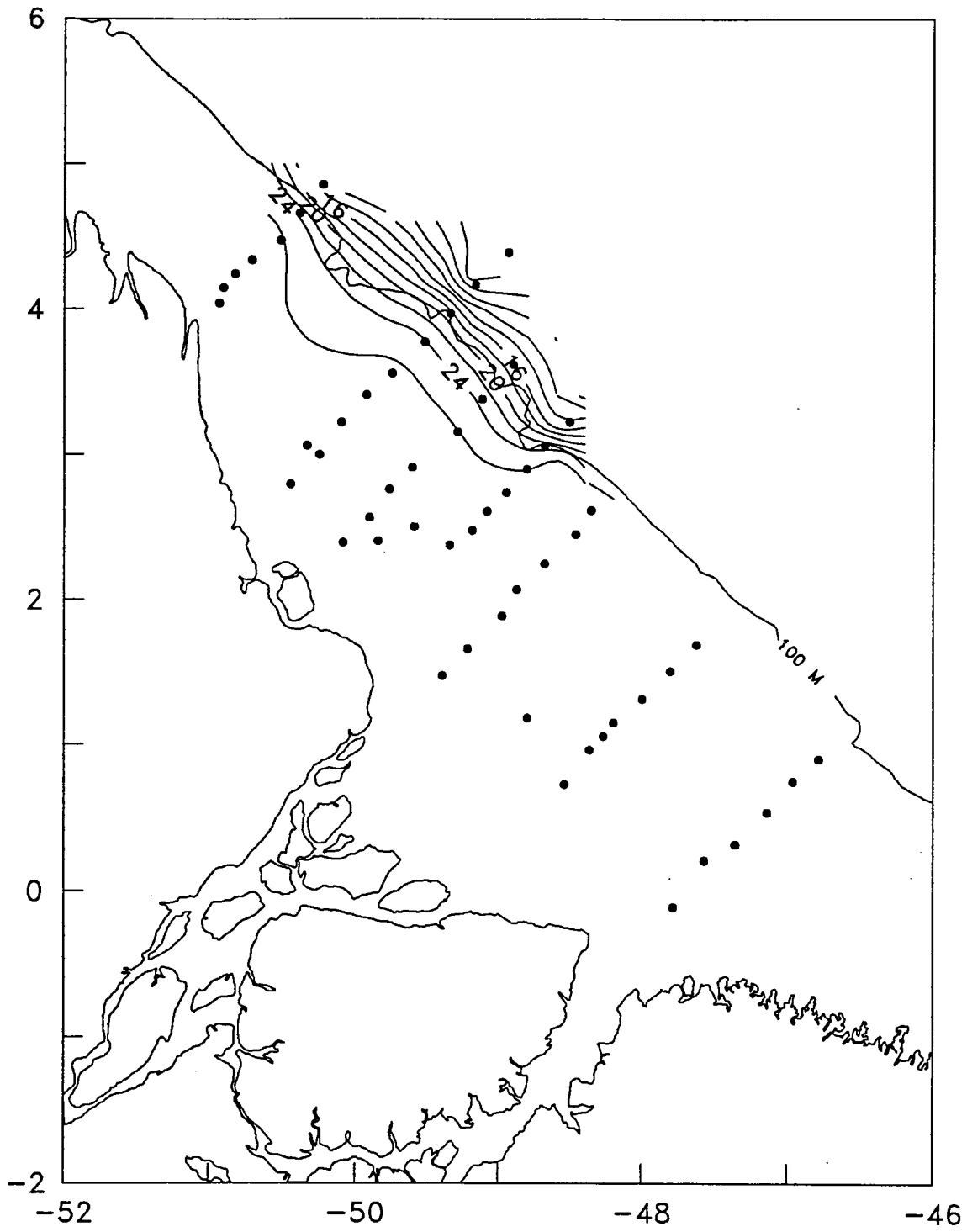




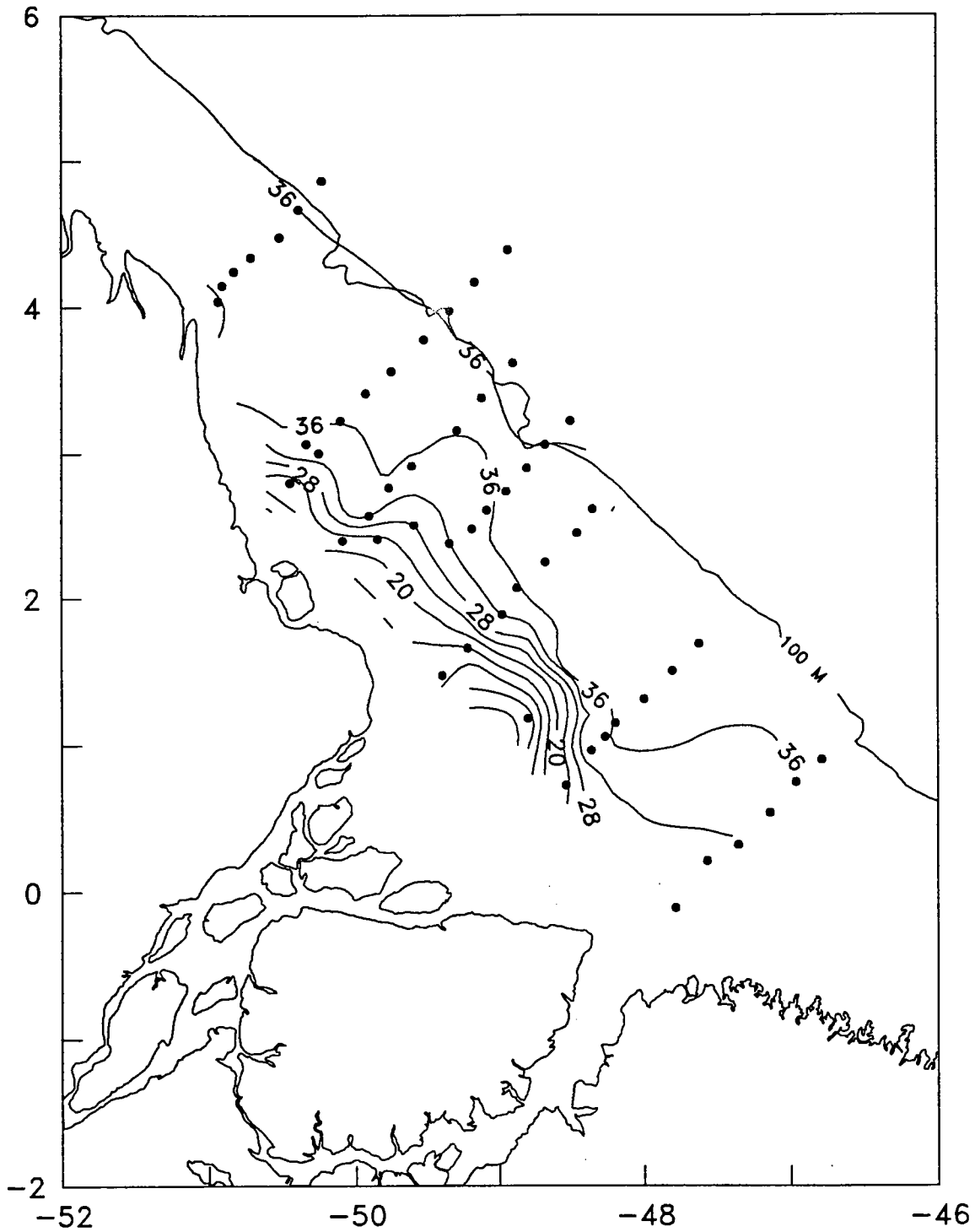
SURFACE OXYGEN FEB 28 - MAR 7, 1990



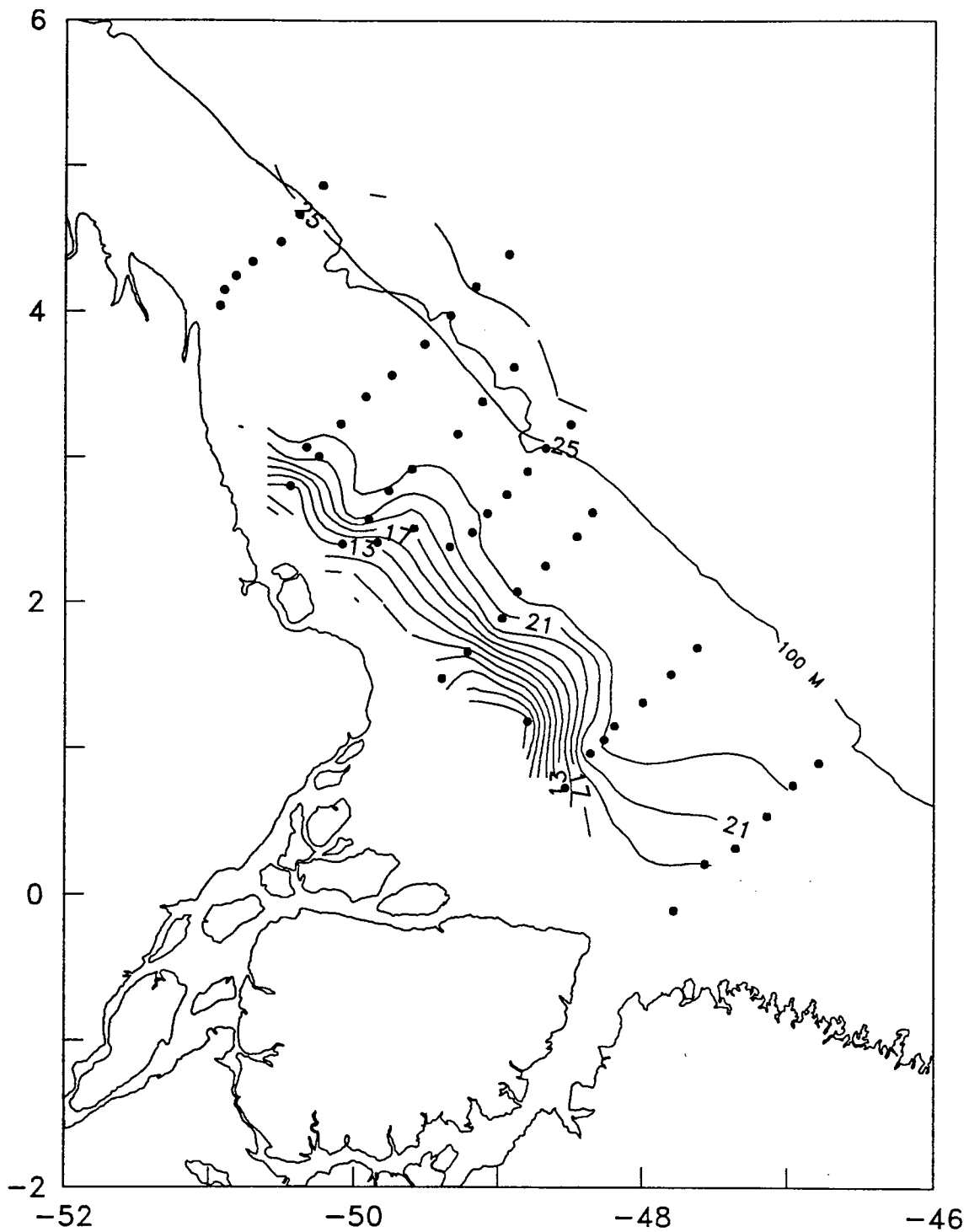
SURFACE FLUORESCENCE PCT FEB 28 - MAR 7, 1990



BOTTOM TEMPERATURE FEB 28 - MAR 7, 1990

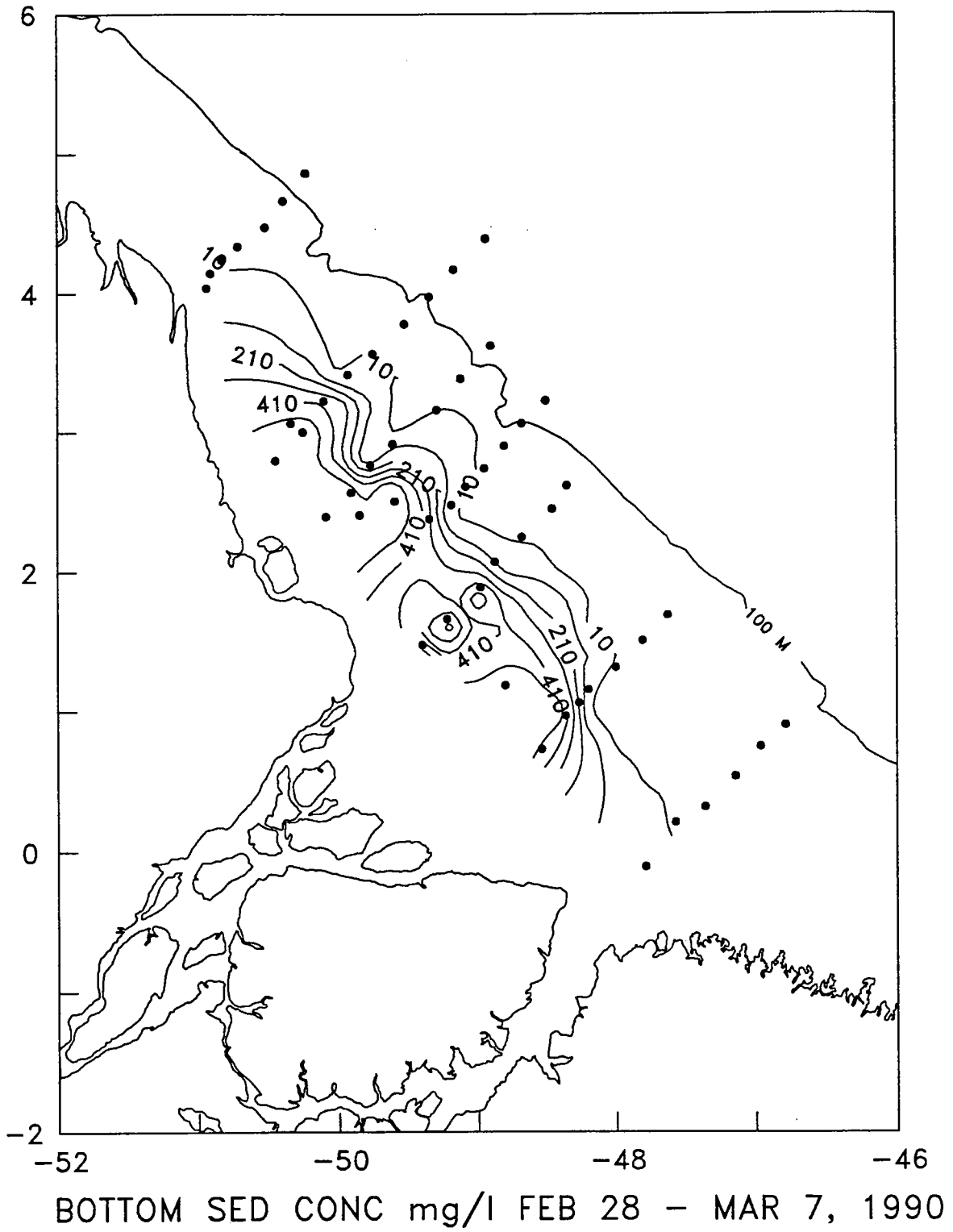


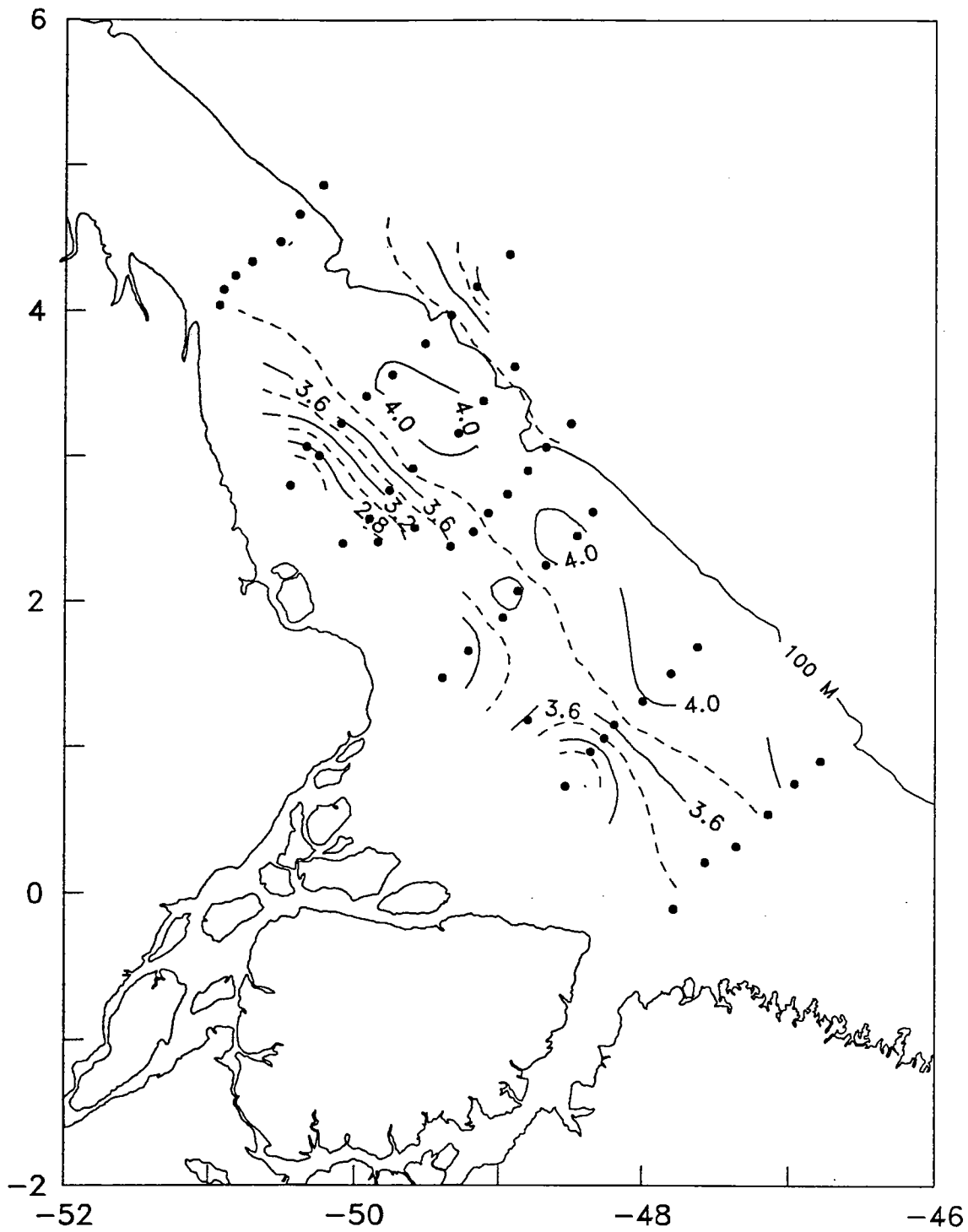
BOTTOM SALINITY FEB 28 - MAR 7, 1990



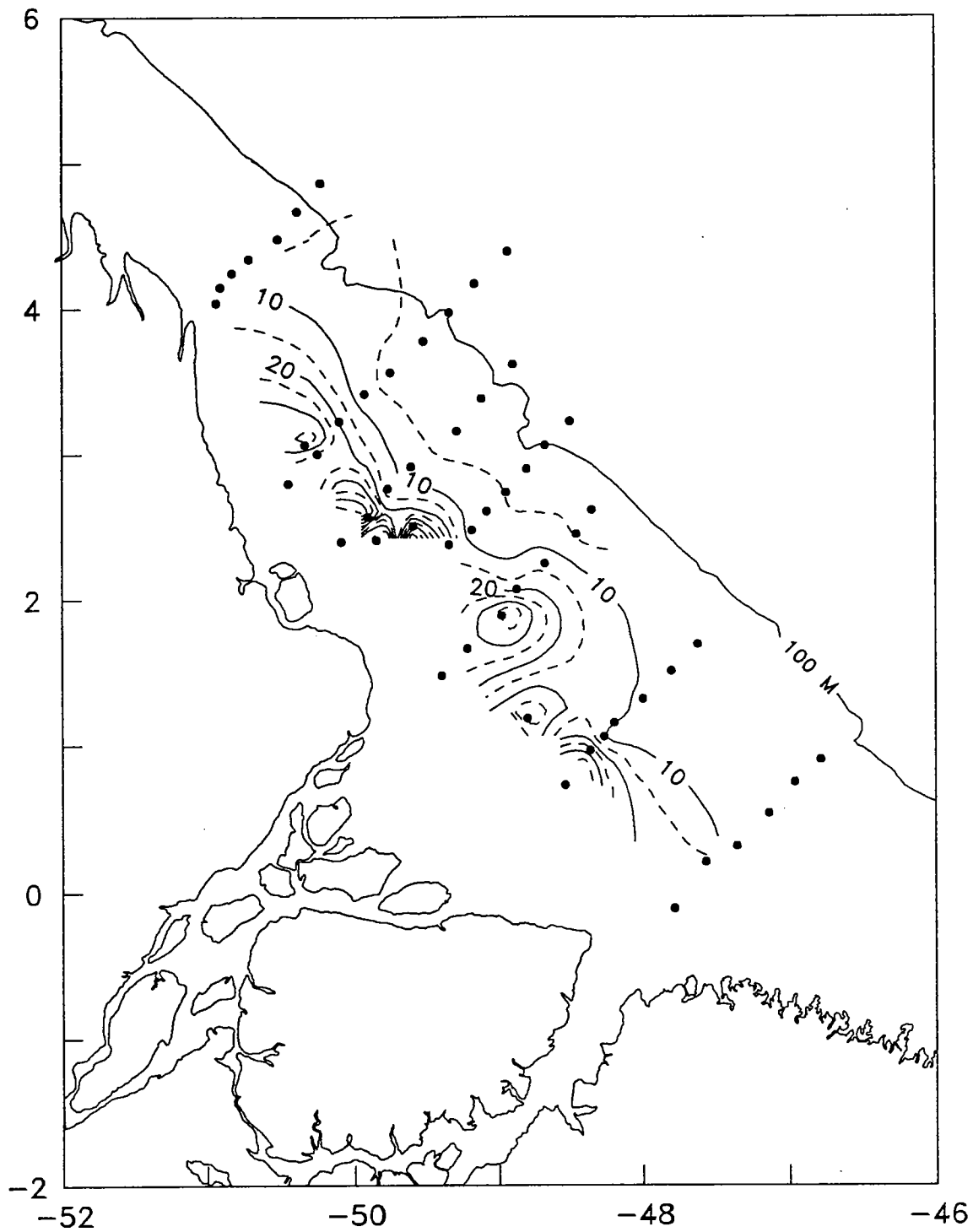
BOTTOM SIGMA-T FEB 28 - MAR 7, 1990







BOTTOM OXYGEN ML/L FEB 28 -MAR 7, 1990



BOTTOM FLUORESCENCE FEB 28 - MAR 7, 1990



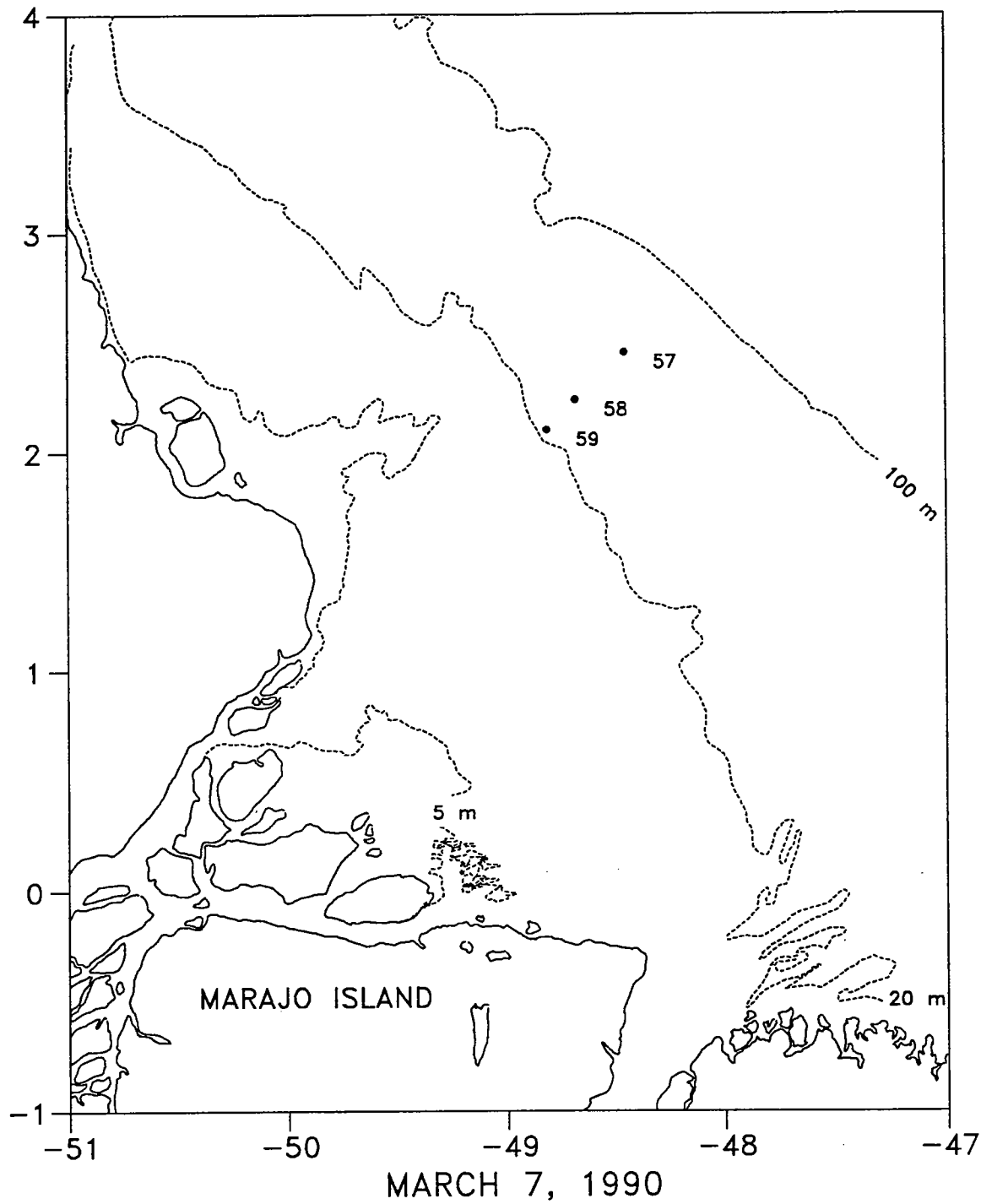


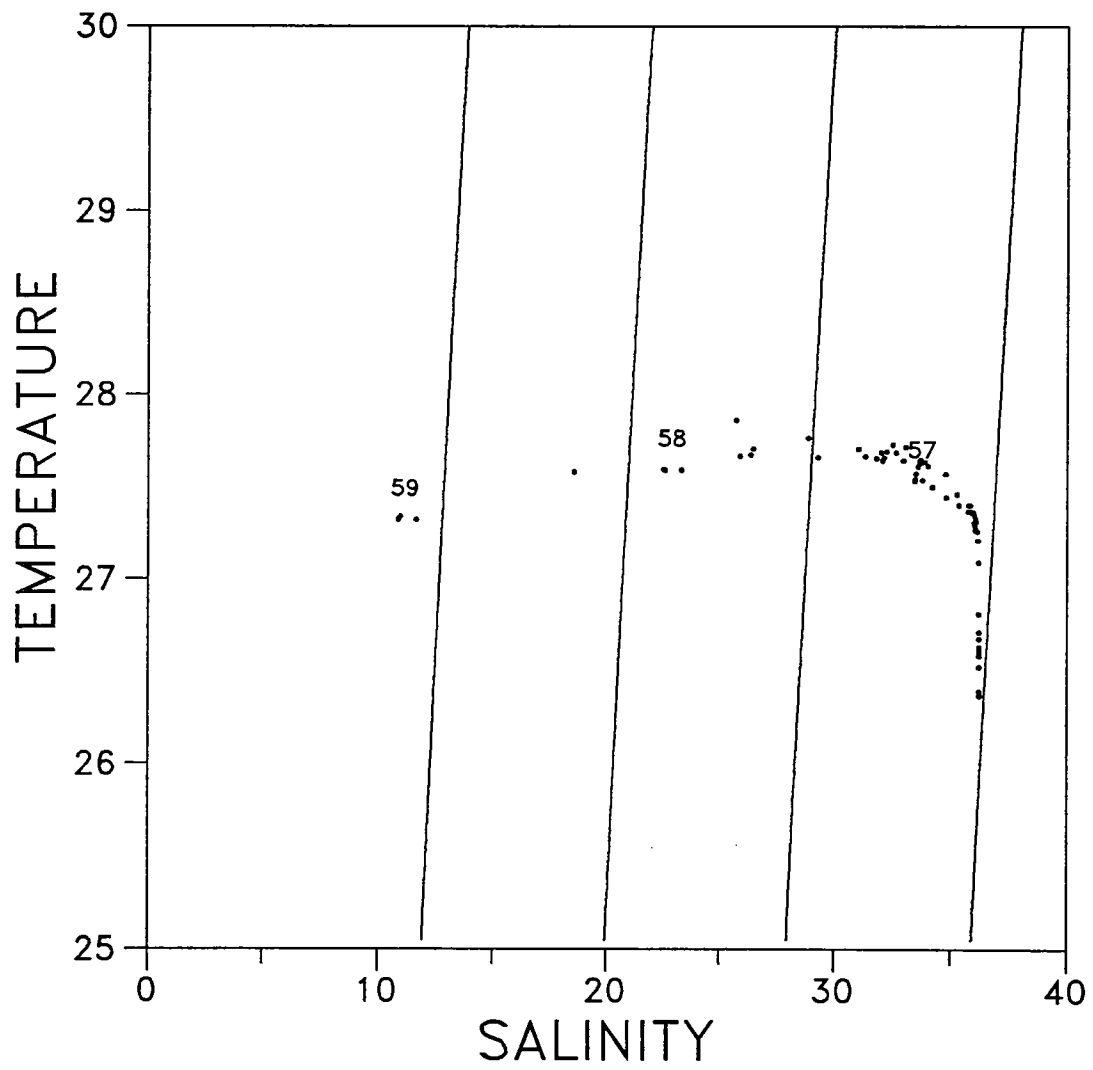


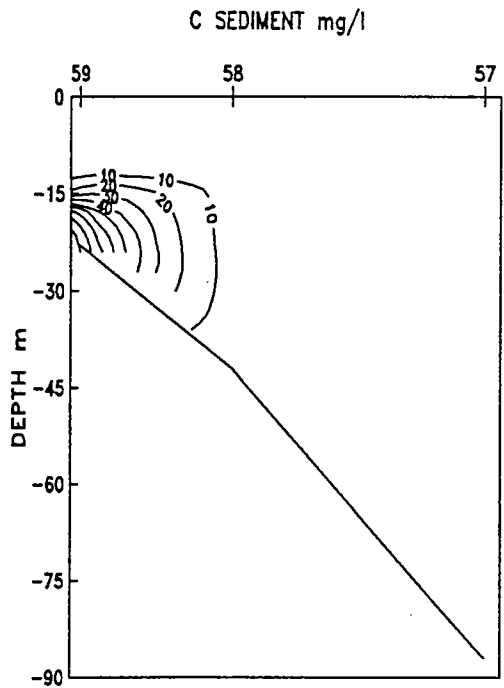
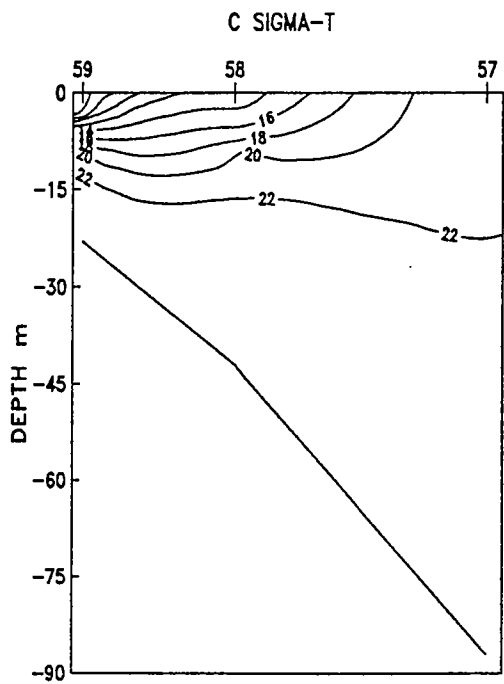
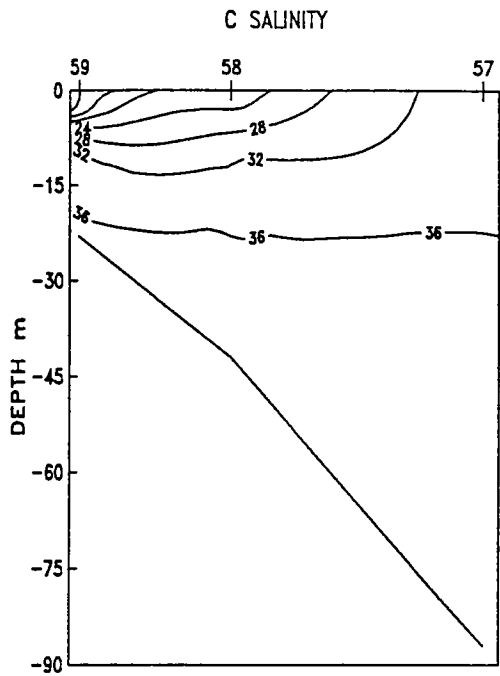
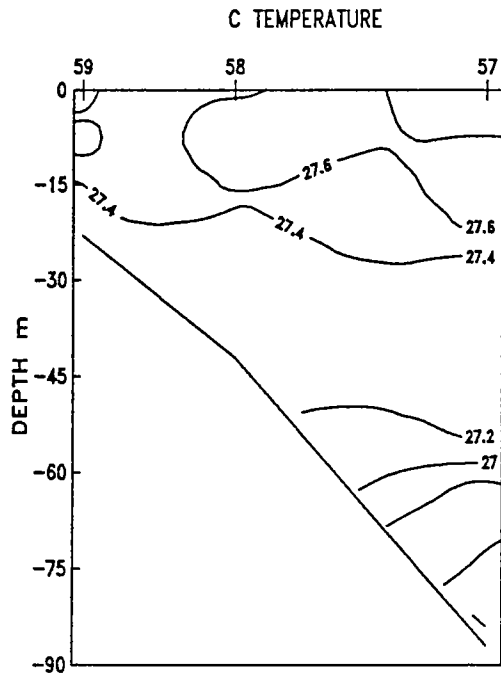
**C. Leg 3 – Section C — March 7, 1990  
Stations 55 to 57**



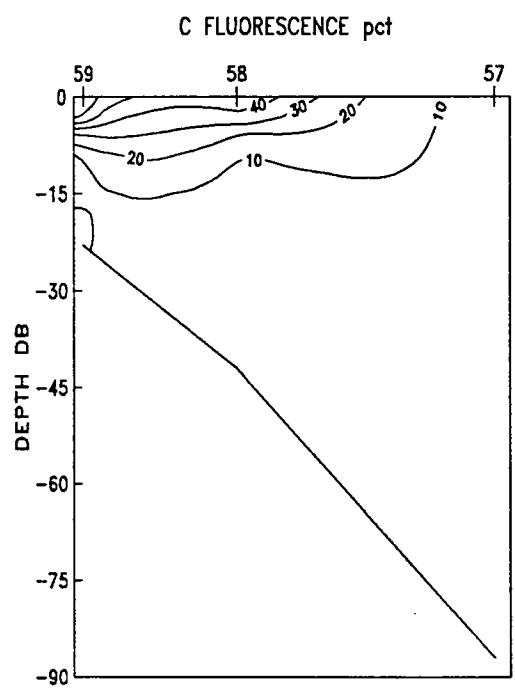
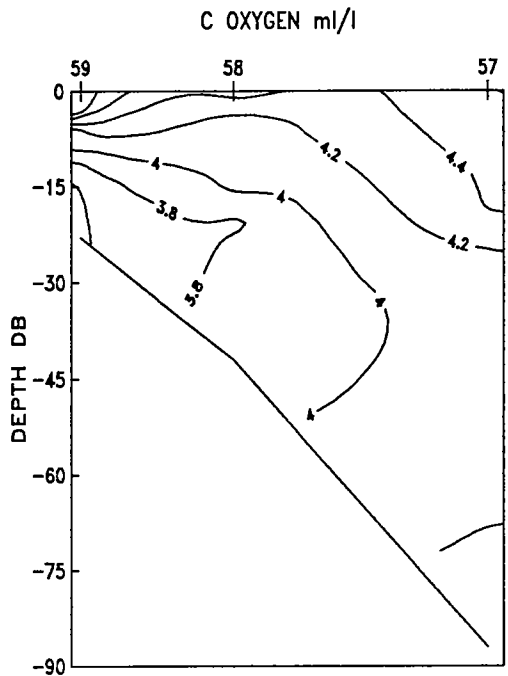














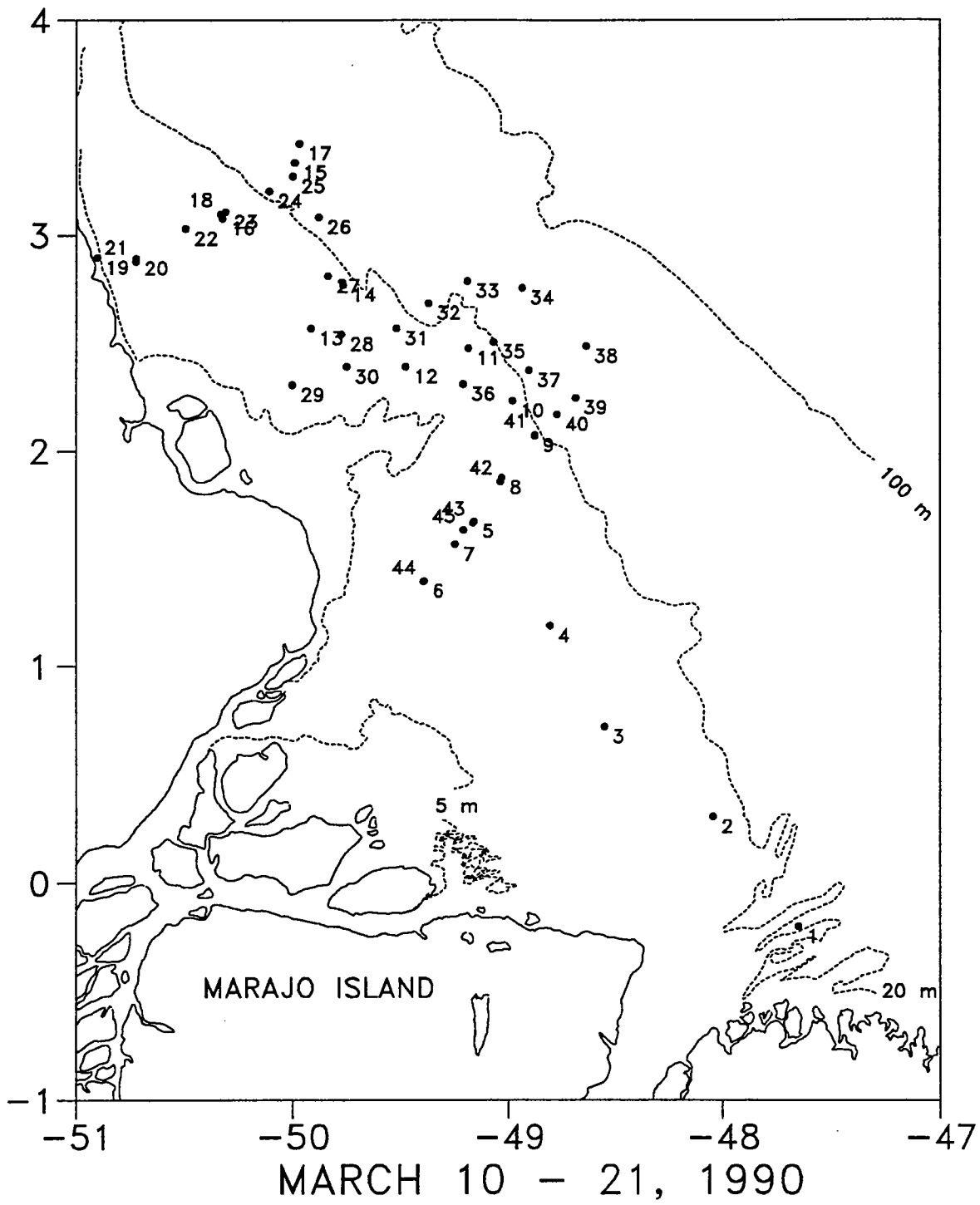


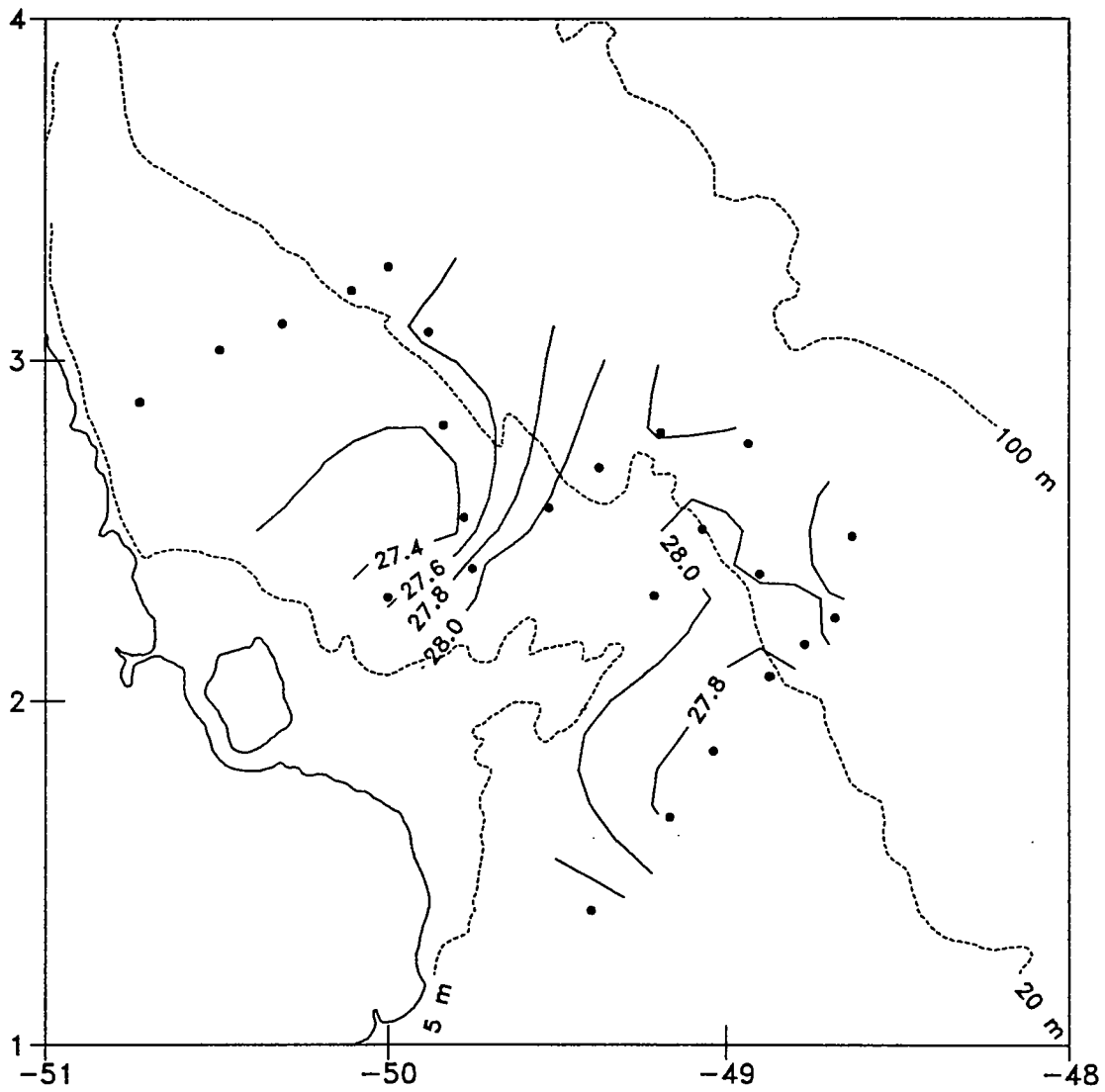




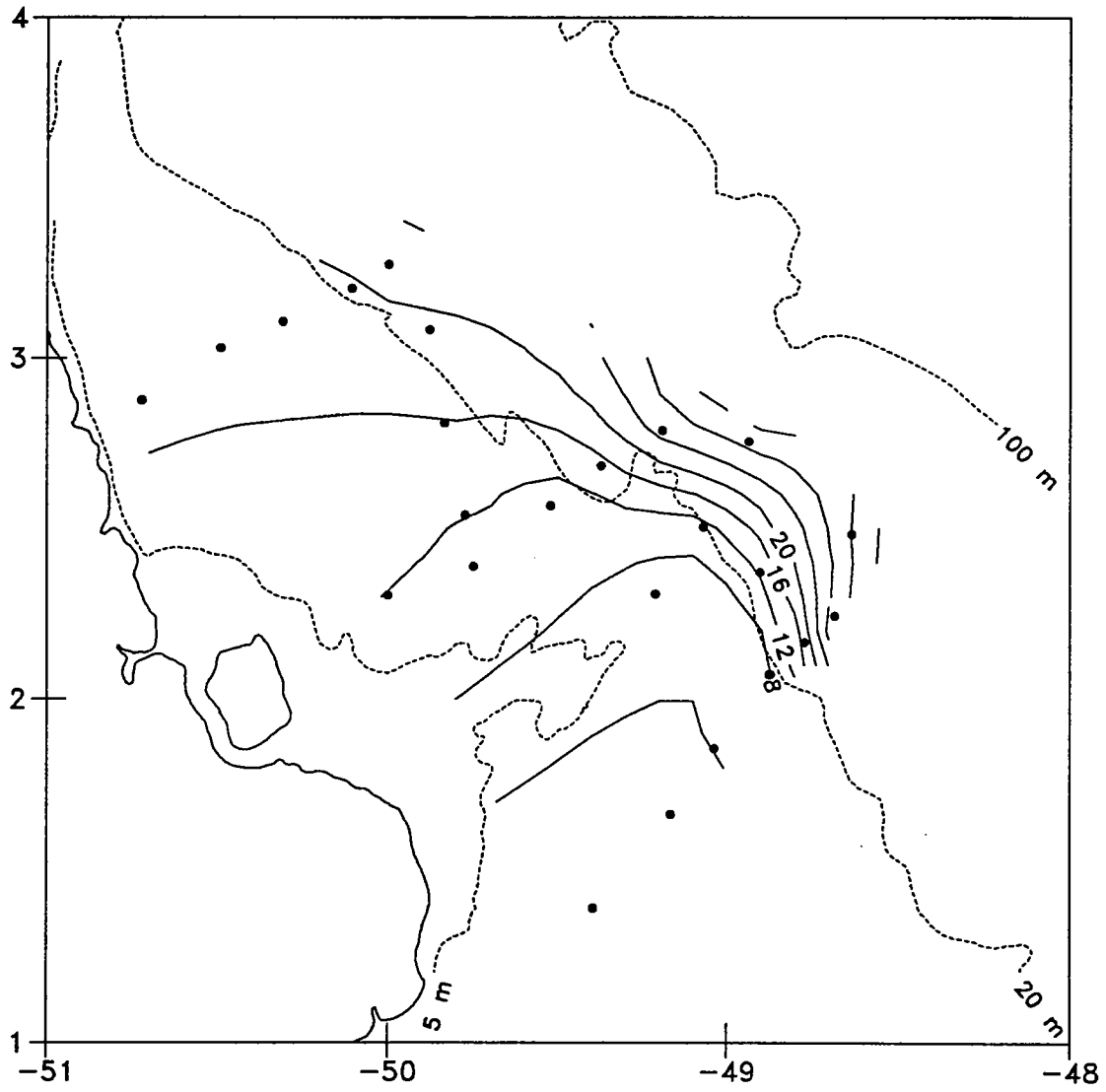
**D. Leg 4 – Frontal Zone Survey — March 10–21, 1990**  
**Stations 1 to 45**



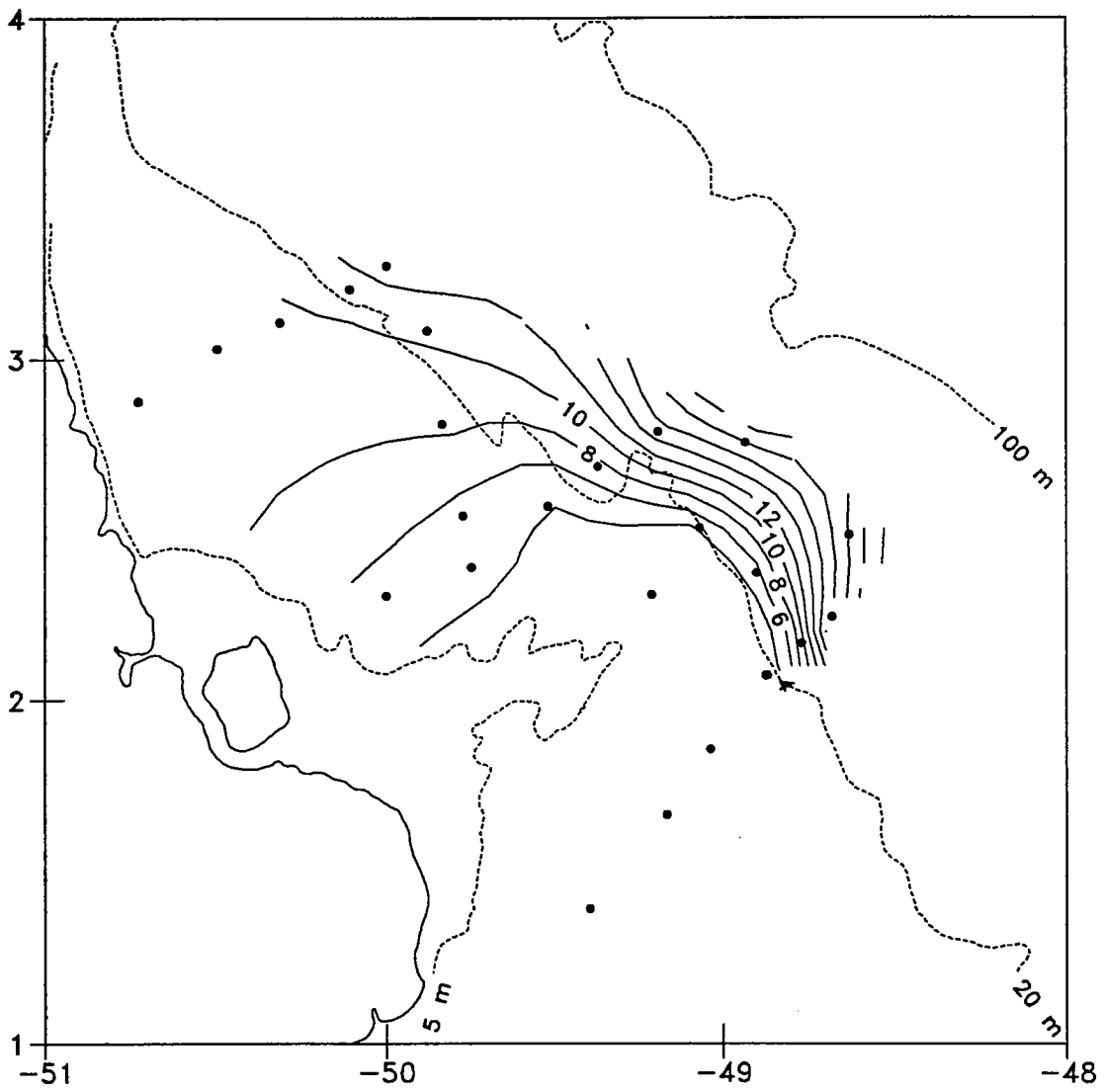




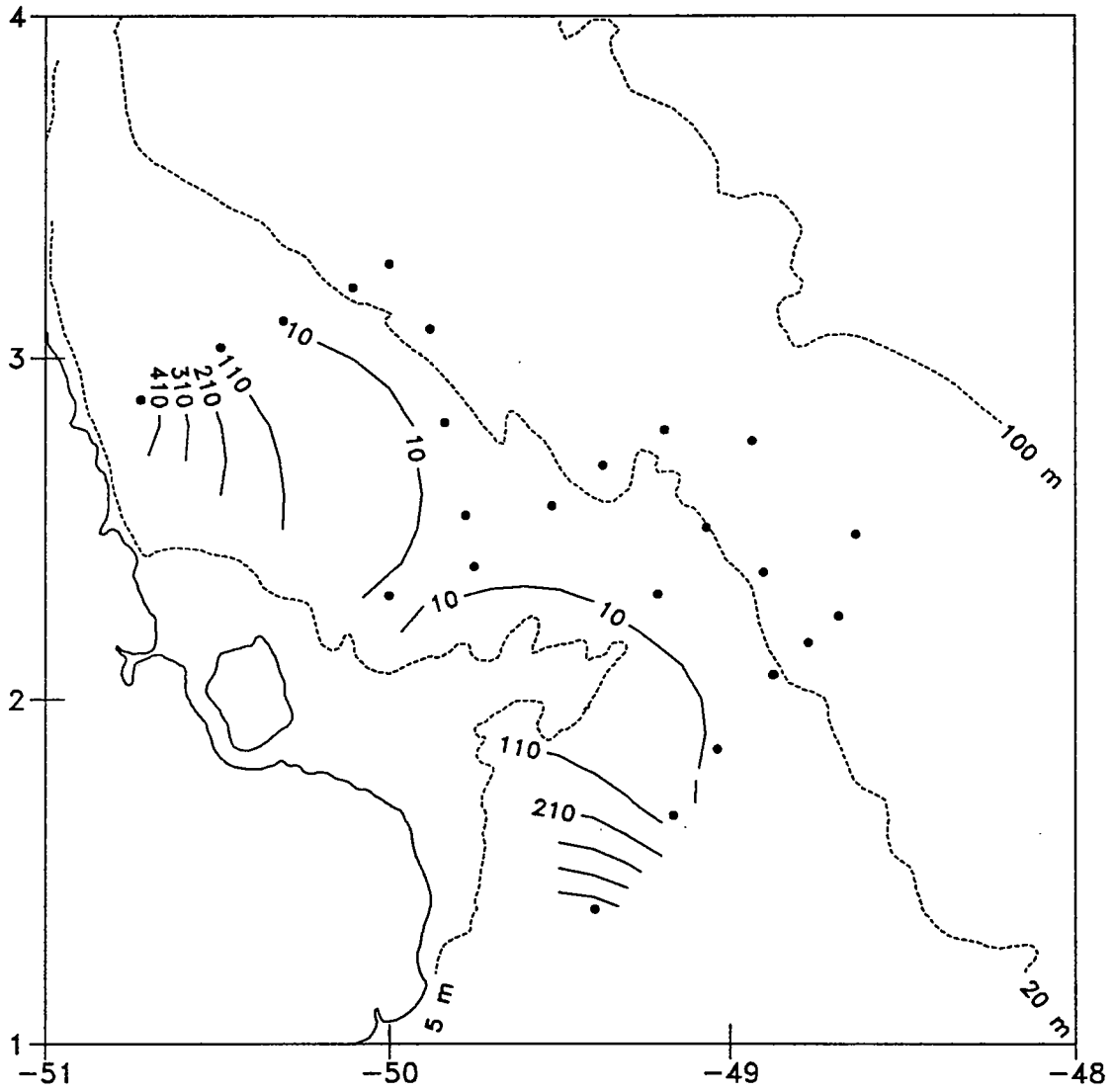
Surface Temperature March 17-21, 1990



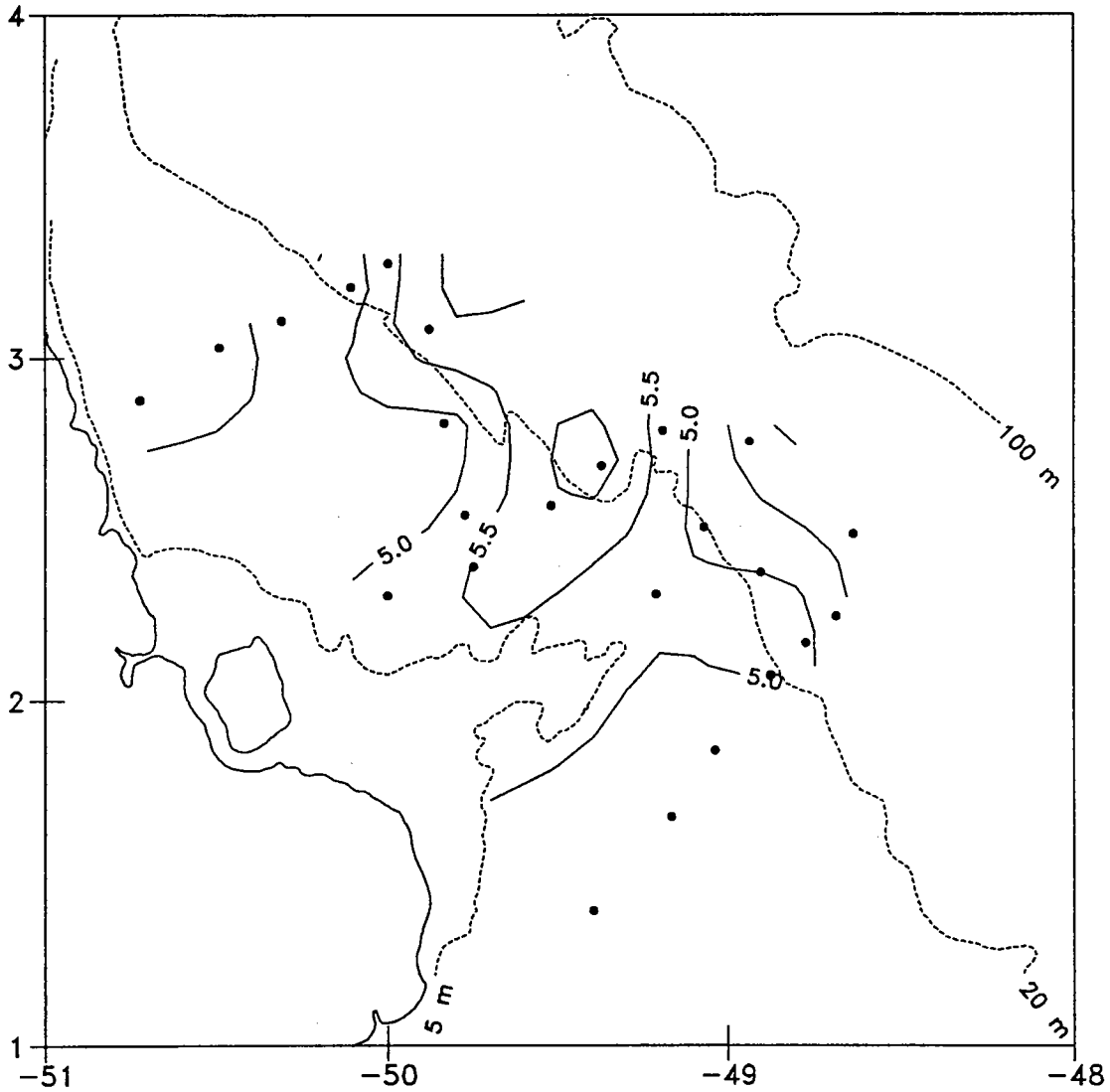
Surface Salinity March 17-21, 1990



Surface Sigma-t March 17-21, 1990

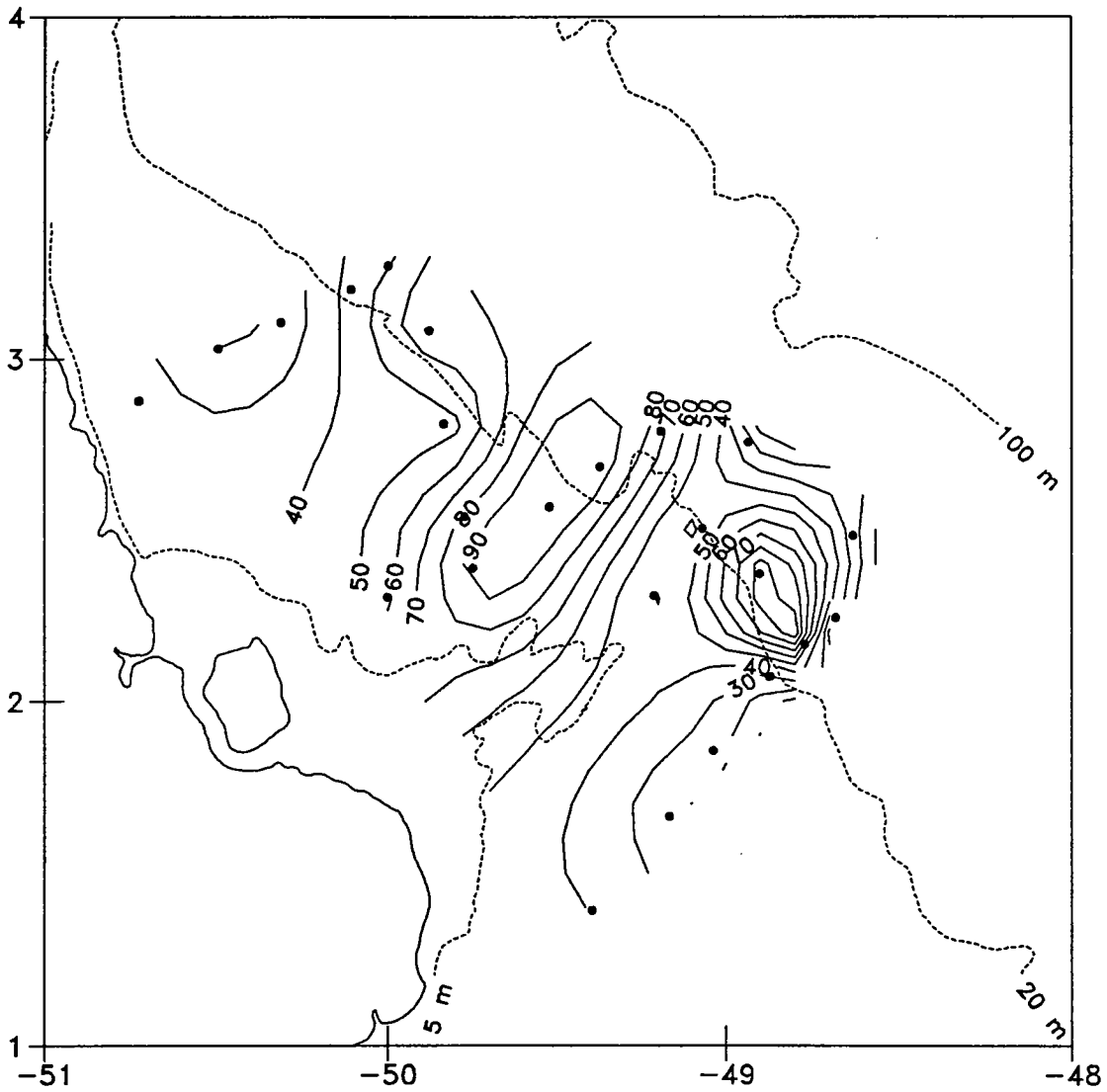


Surface Sediment mg/l March 17-21, 1990

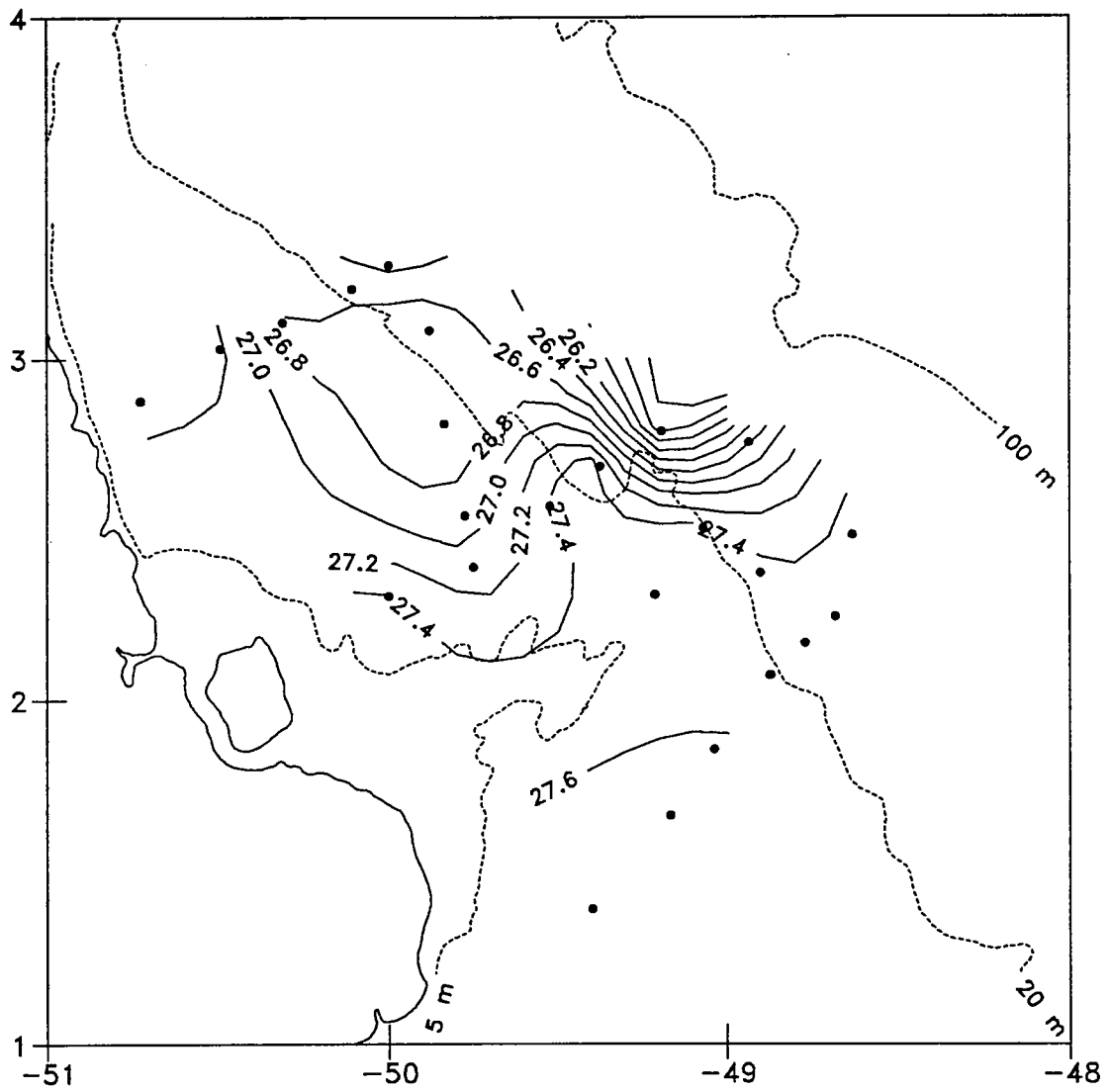


Surface Oxygen ml/l March 17-21, 1990

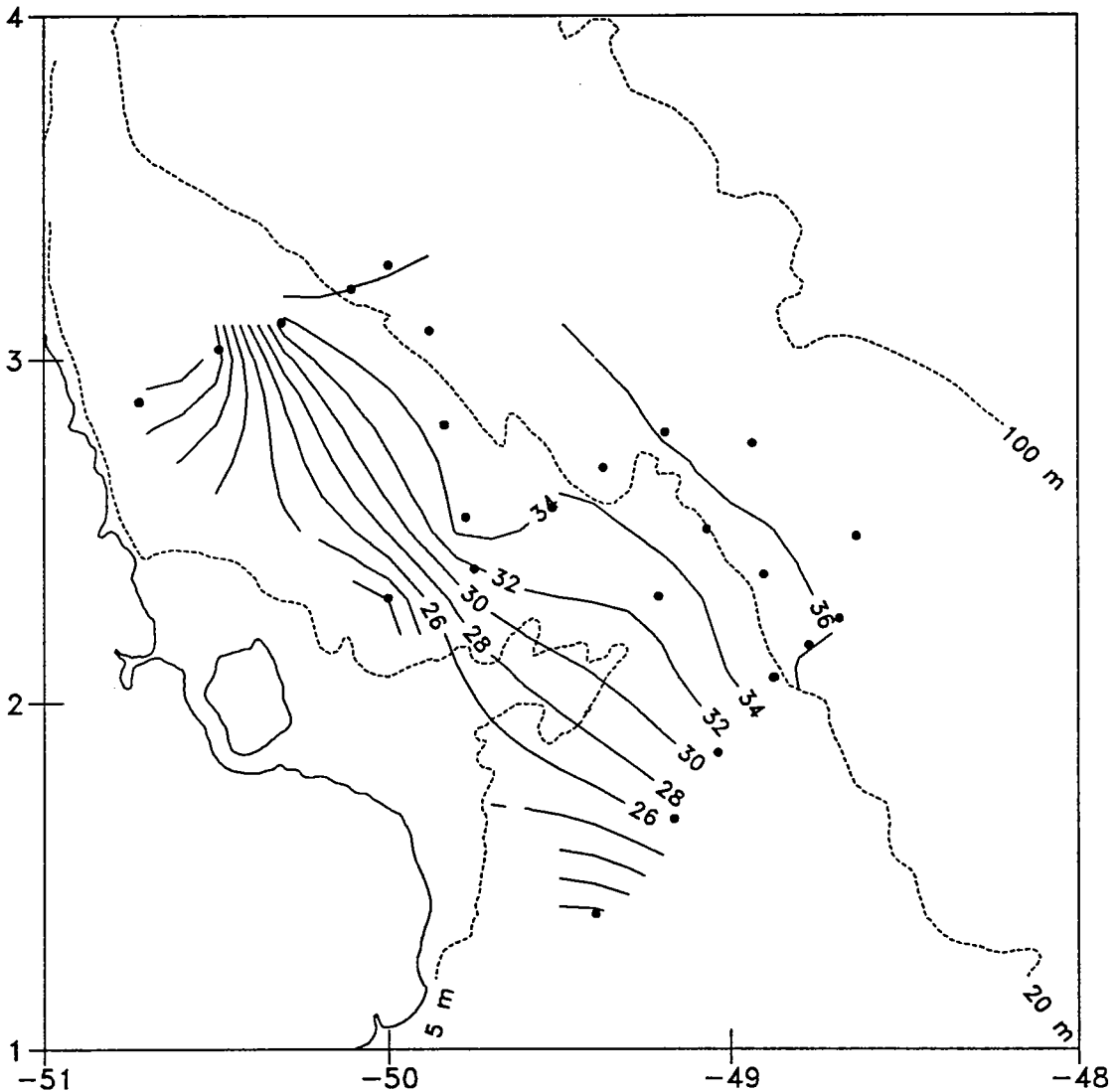




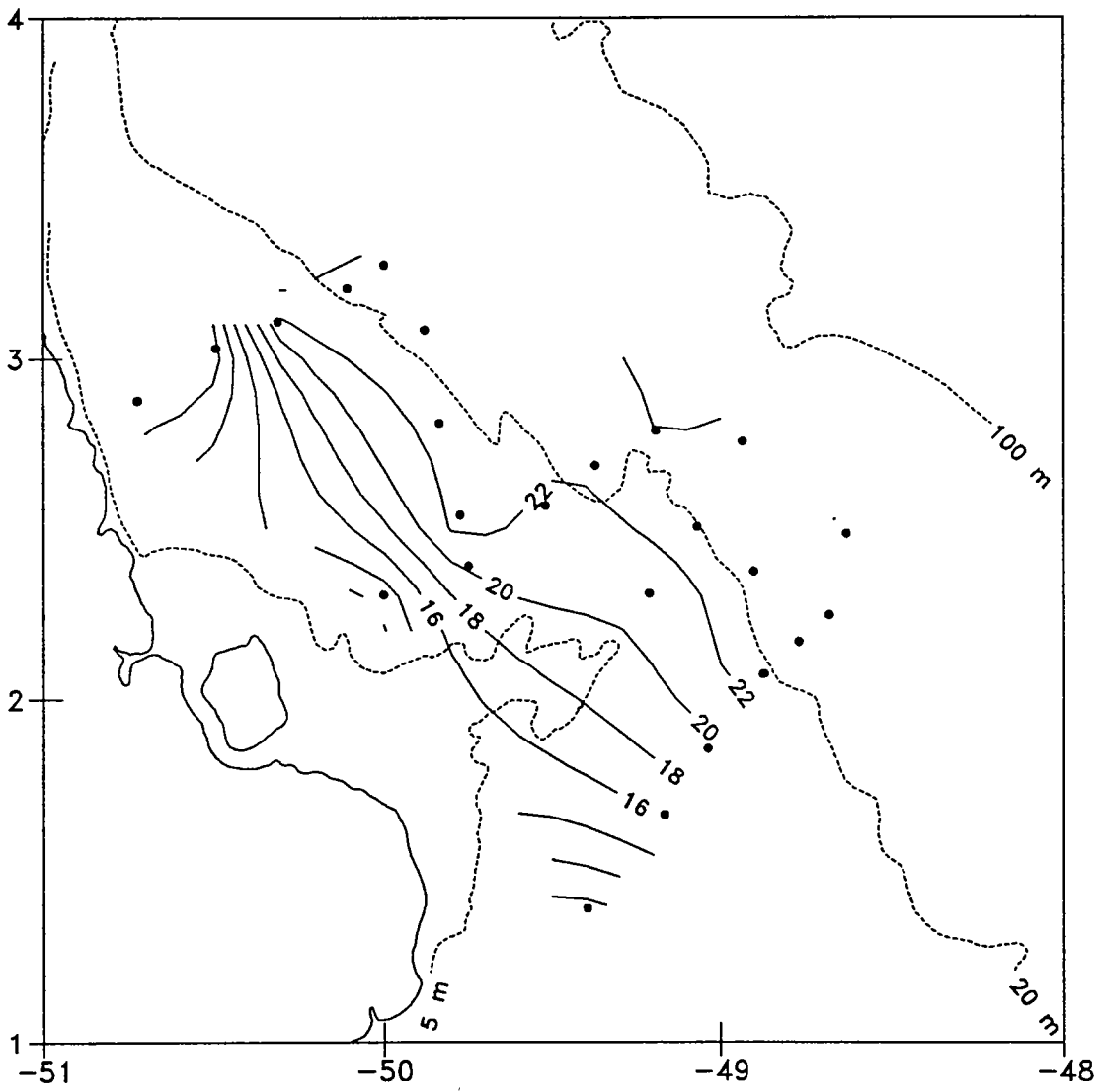
Surface Fluorescence pct March 17-21, 1990



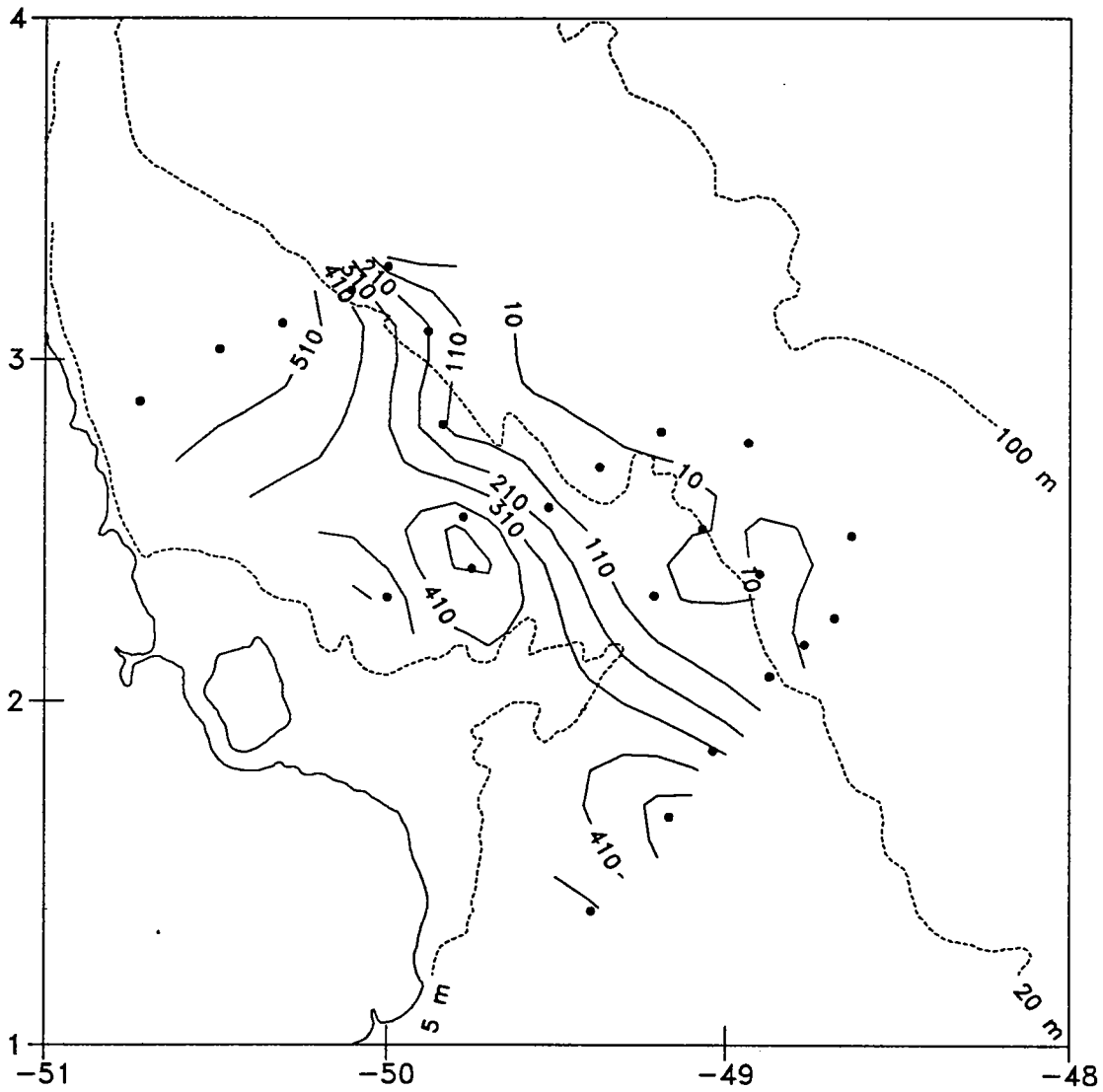
Bottom Temperature March 17-21, 1990



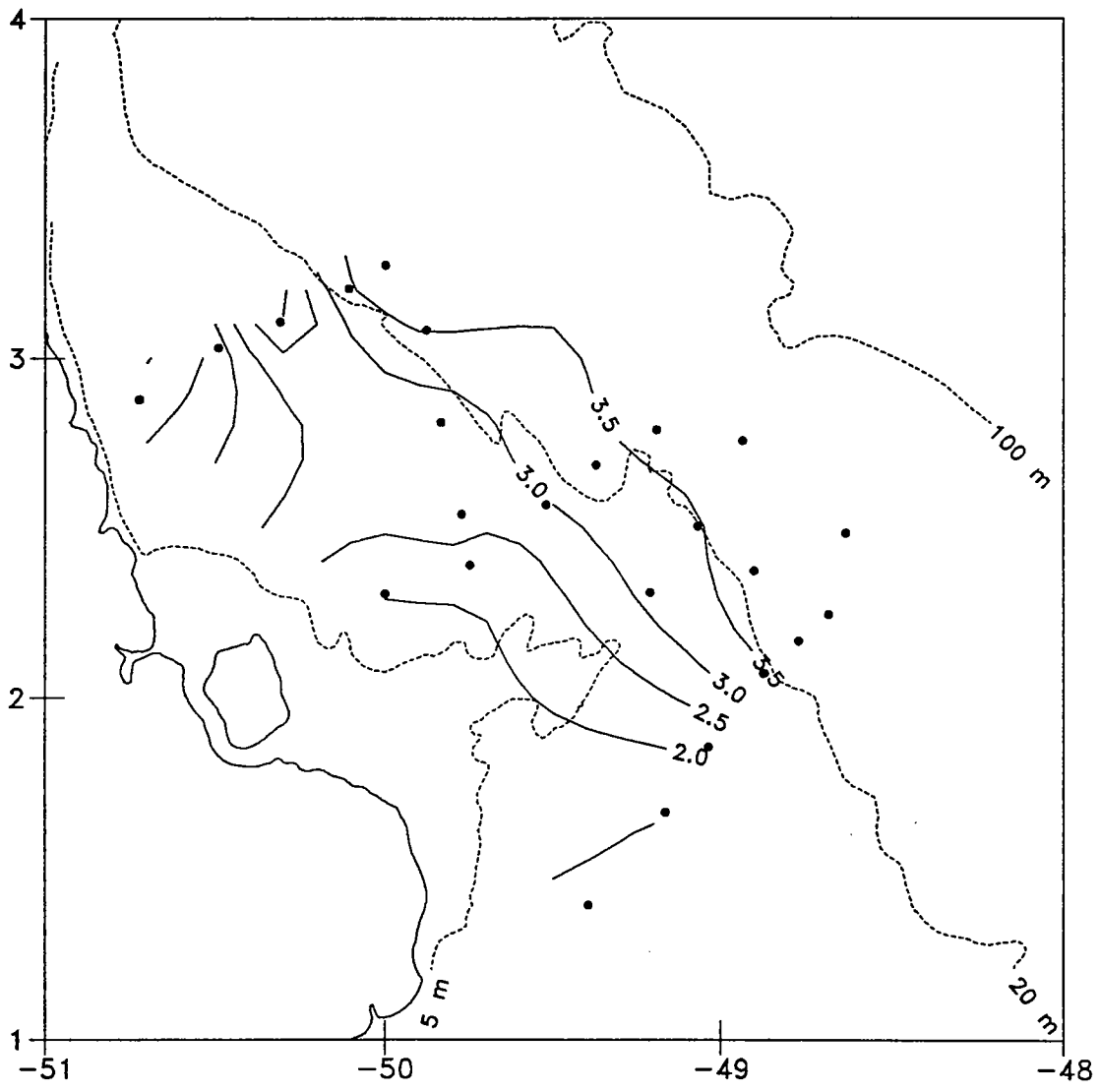
Bottom Salinity March 17-21, 1990



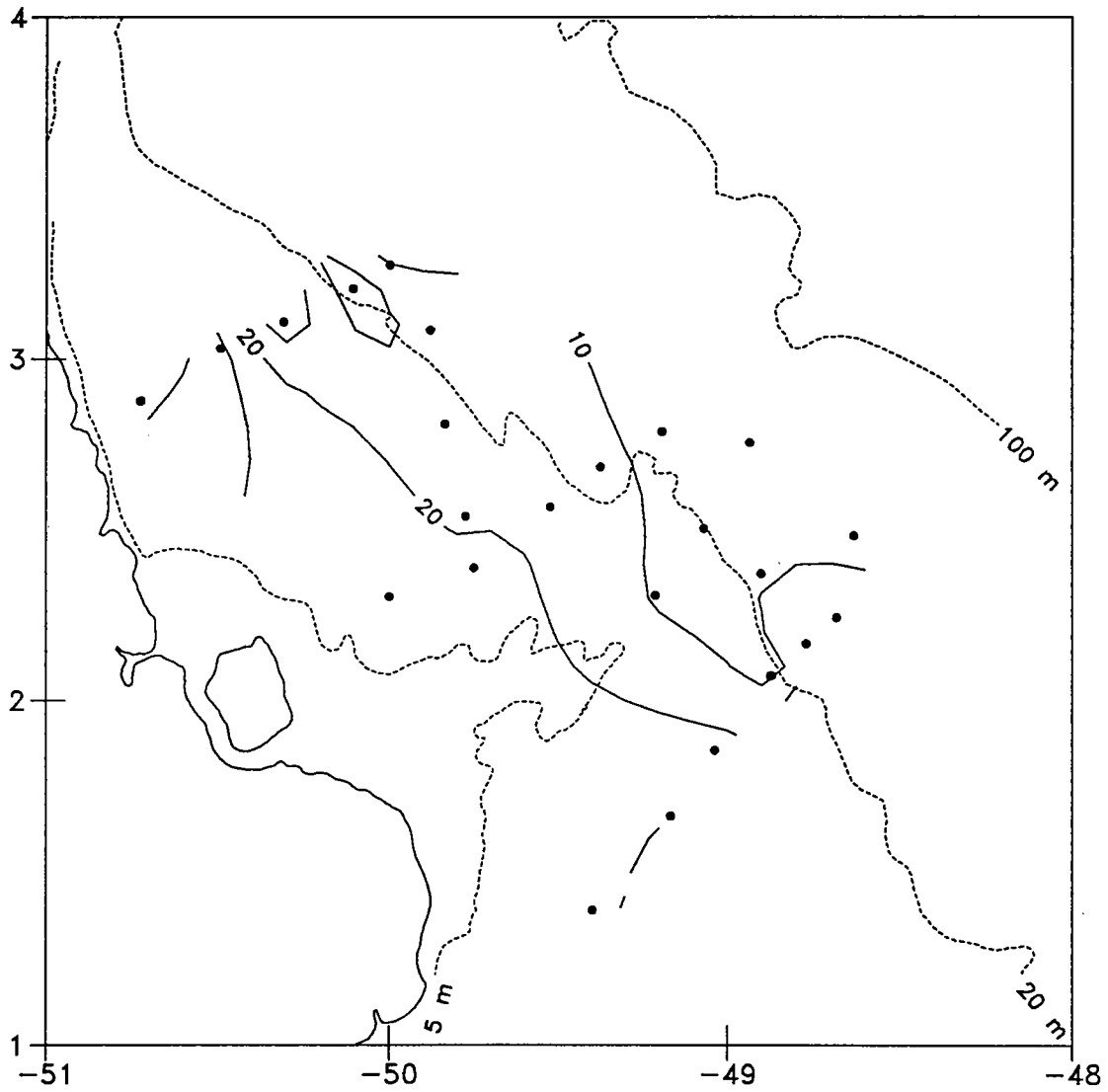
Bottom Sigma-t March 17-21, 1990



Bottom Sediment mg/l March 17-21, 1990



Bottom Oxygen ml/l March 17-21, 1990



Bottom Fluorescence pct March 17-21, 1990



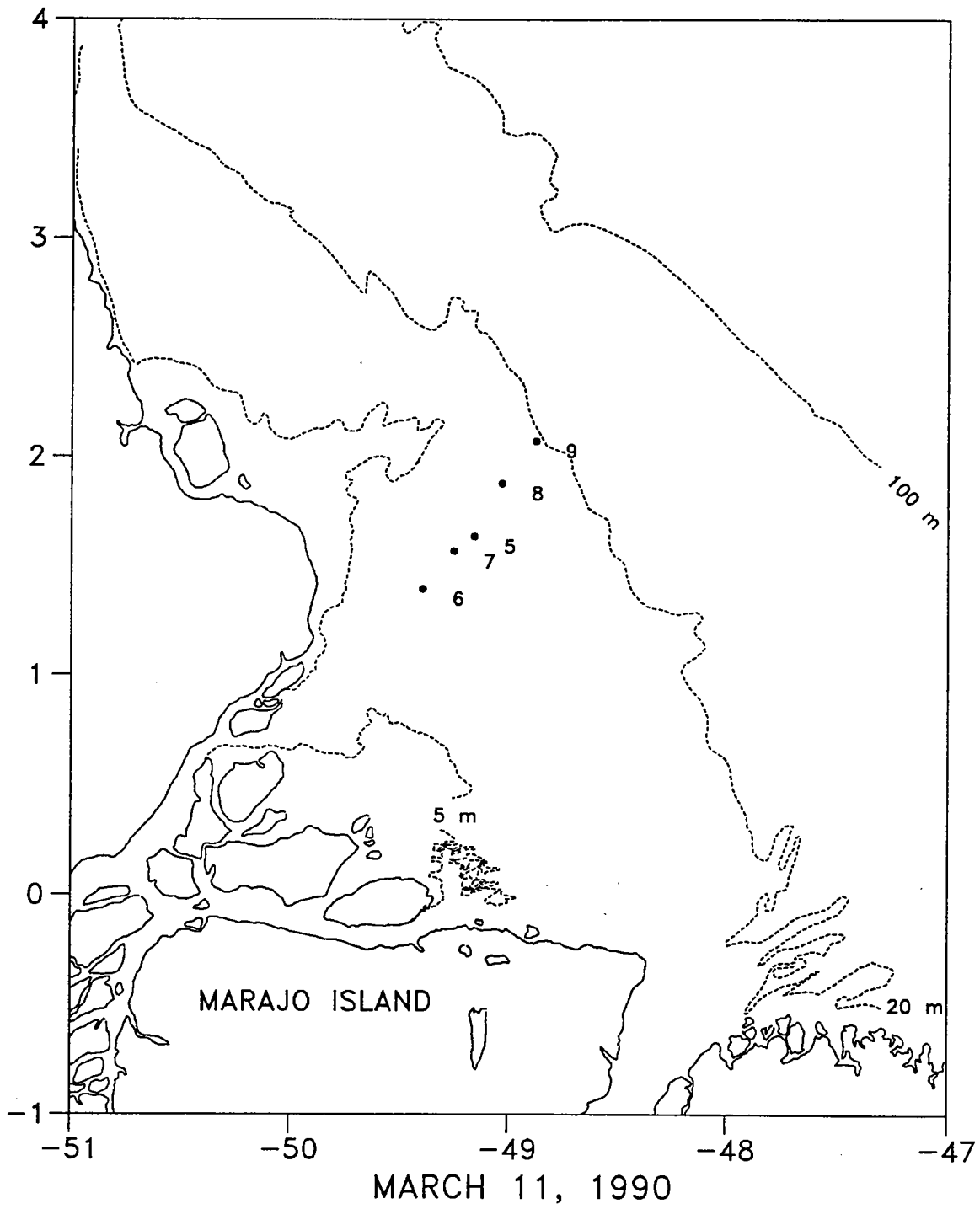


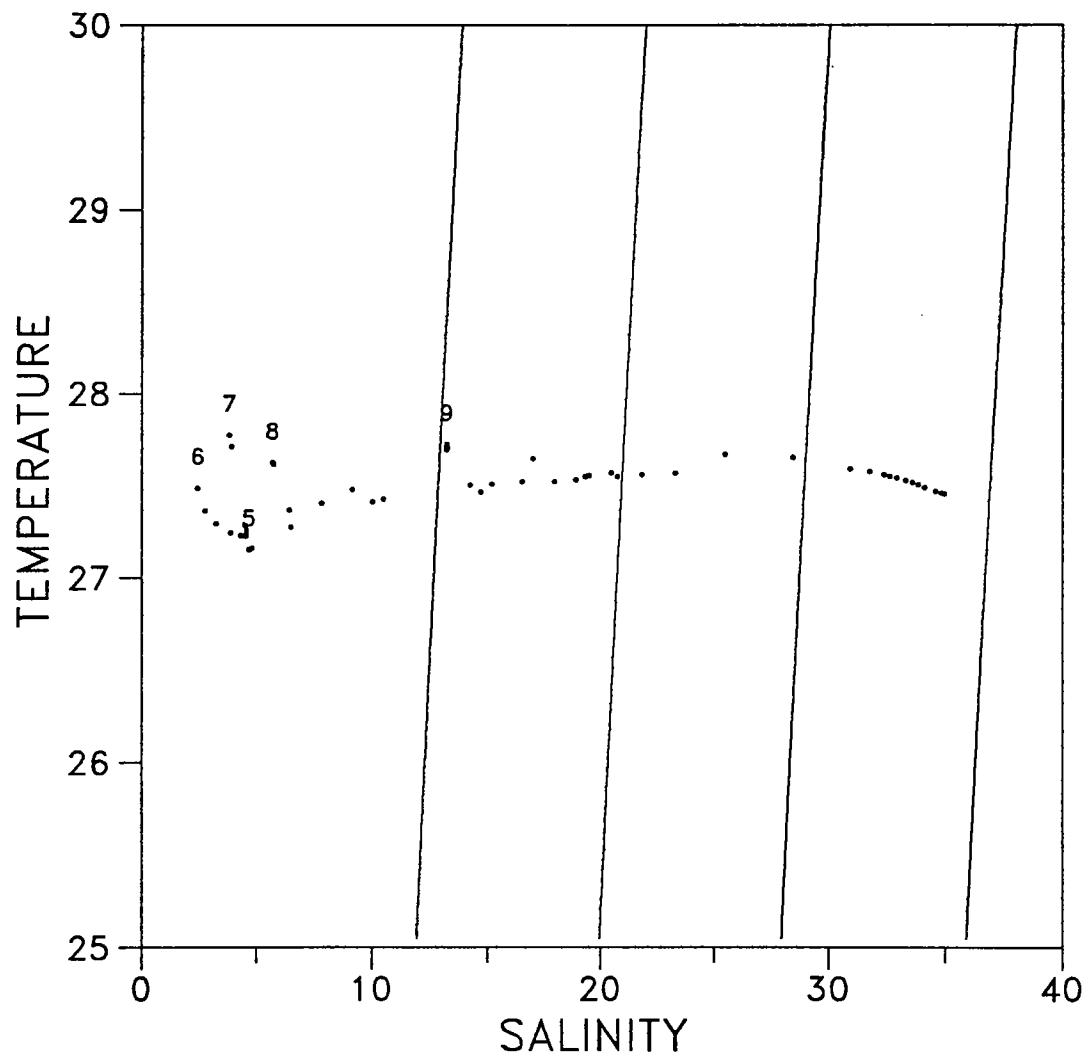


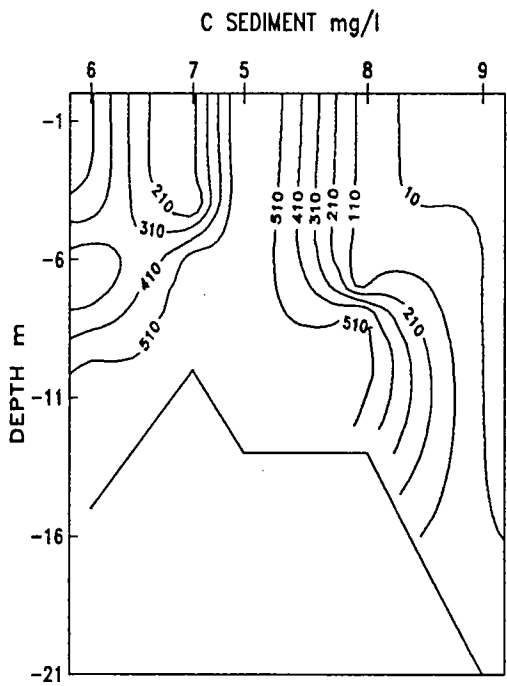
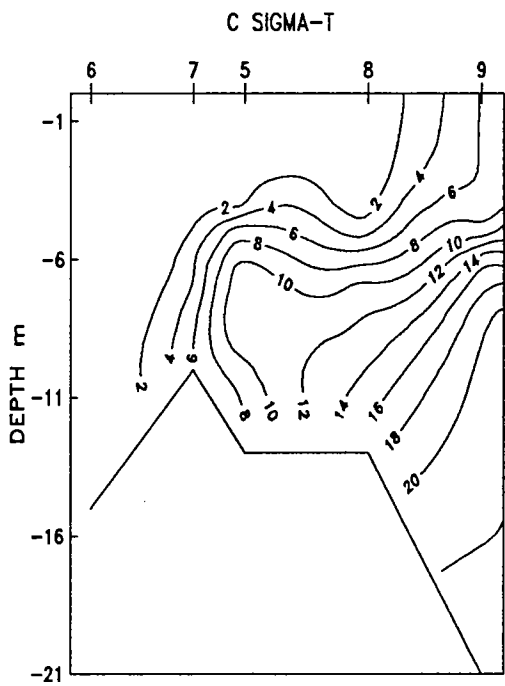
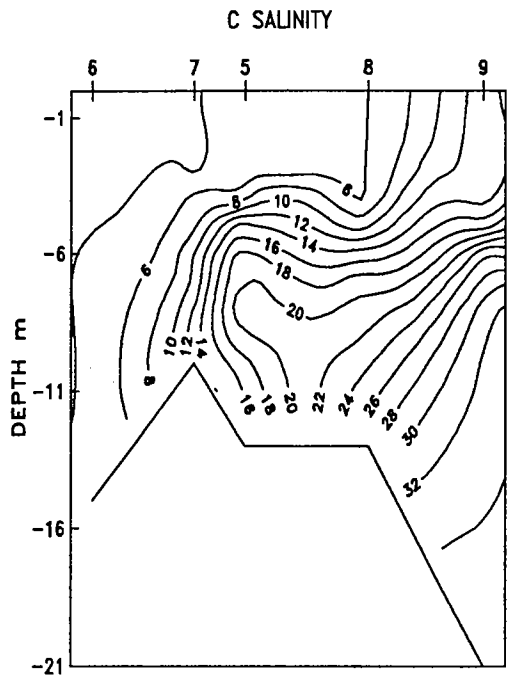
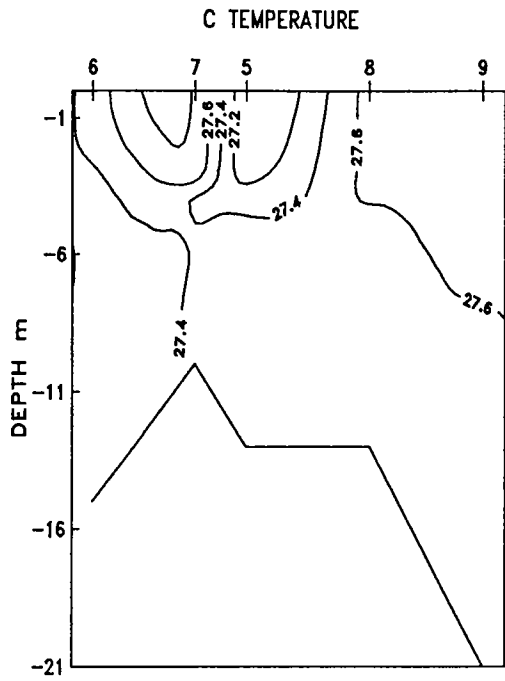


**E. Leg 4 – Section C — March 11, 1990  
Stations 5 to 9**











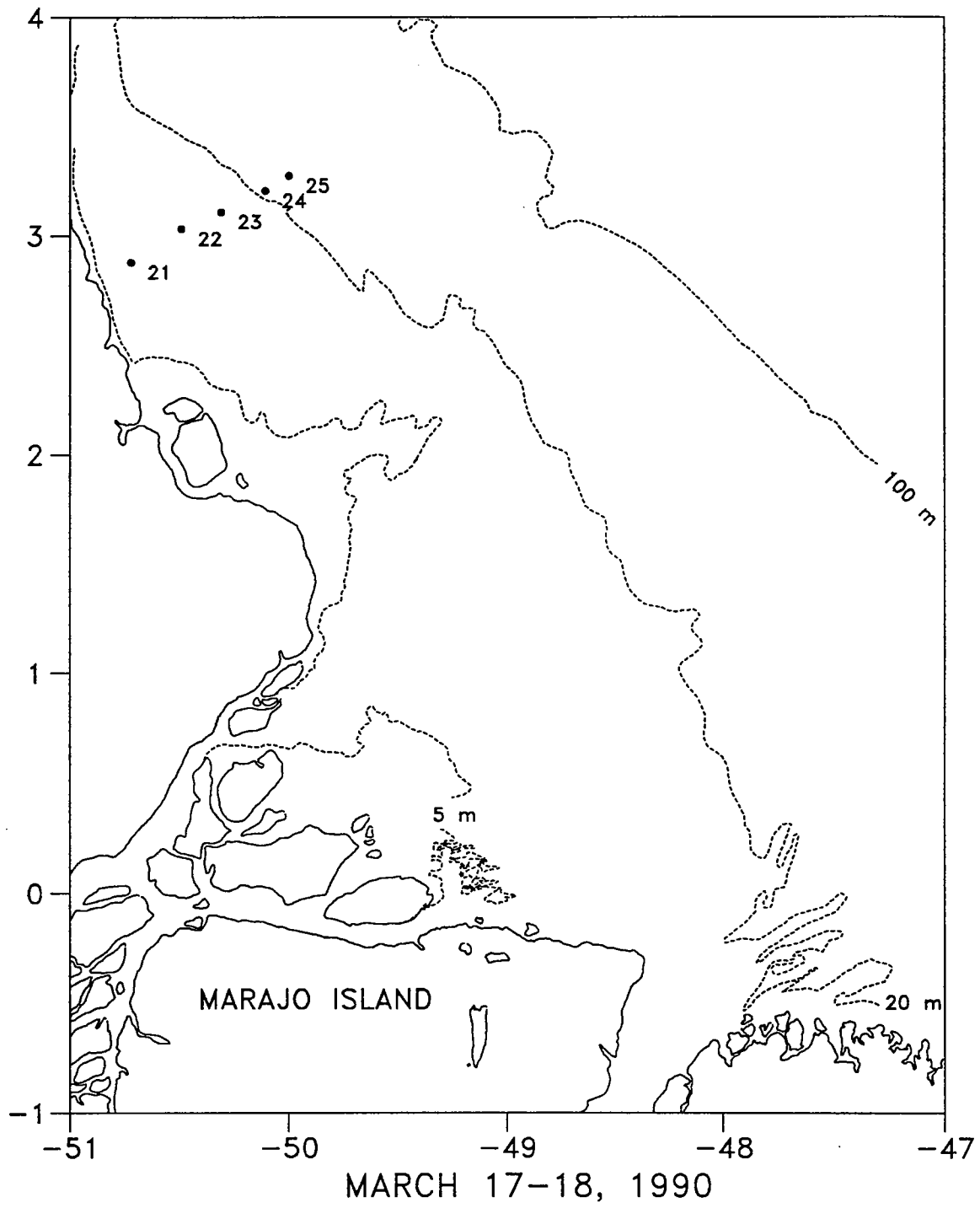


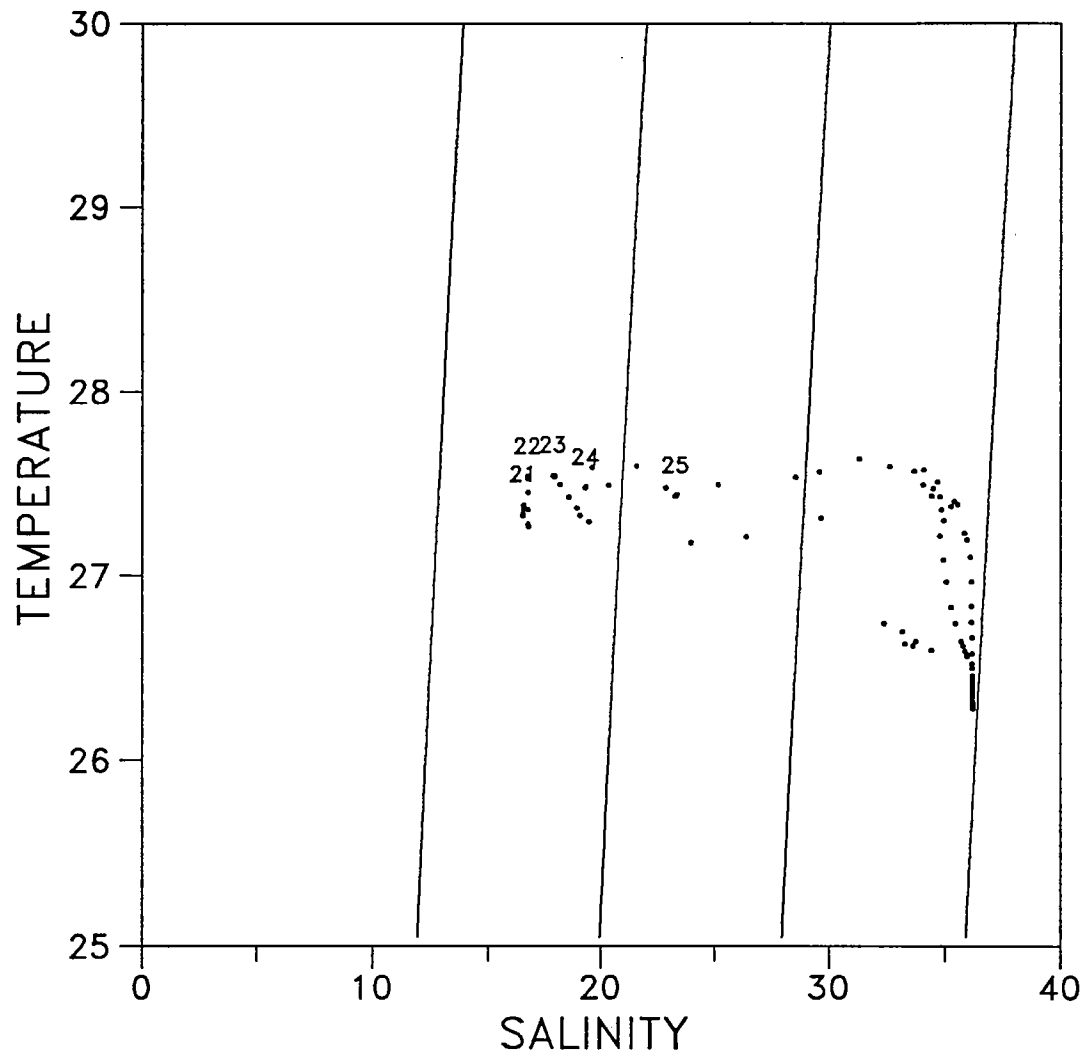


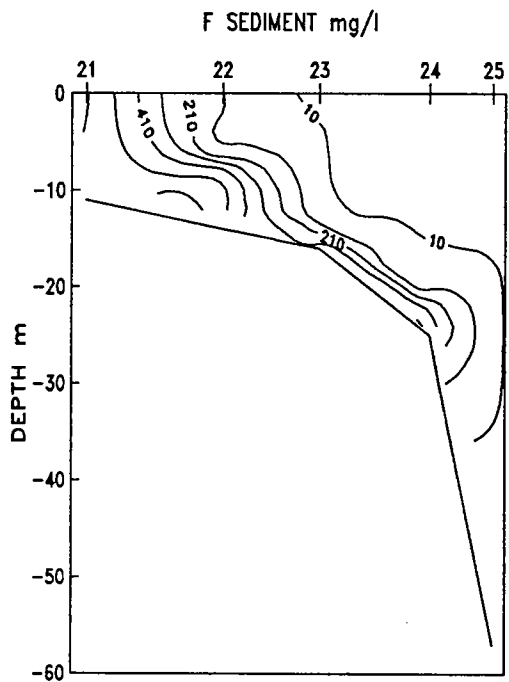
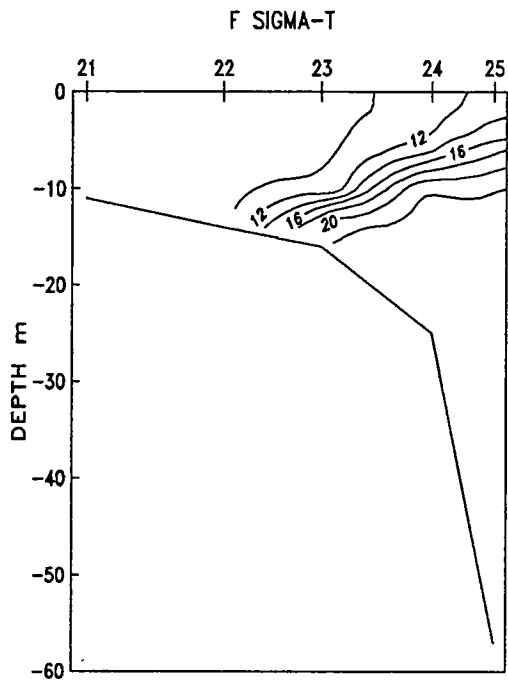
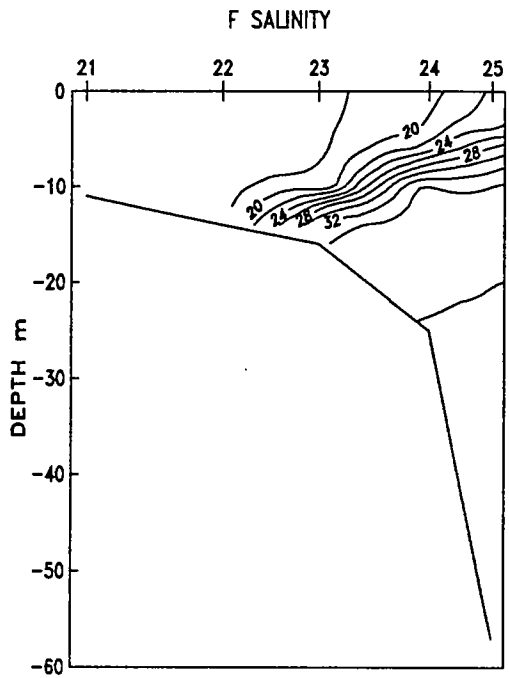
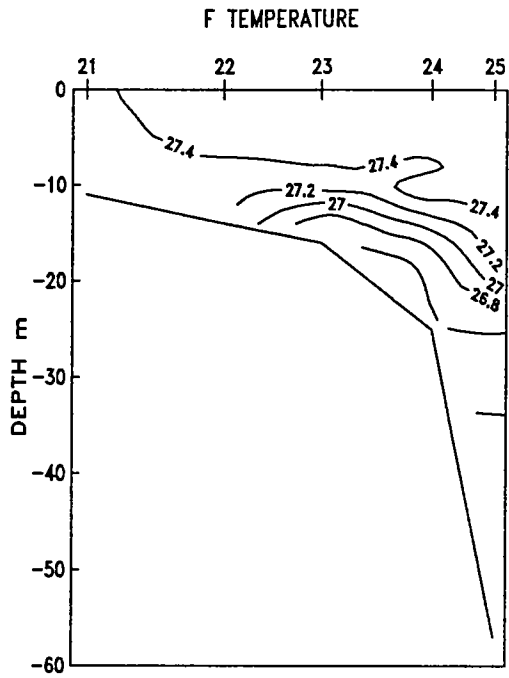


**F. Leg 4 – Section F — March 17–18, 1990  
Stations 21 to 25**



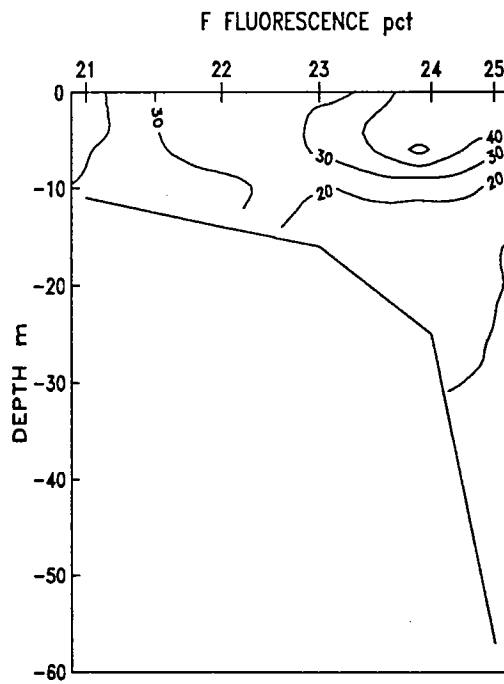
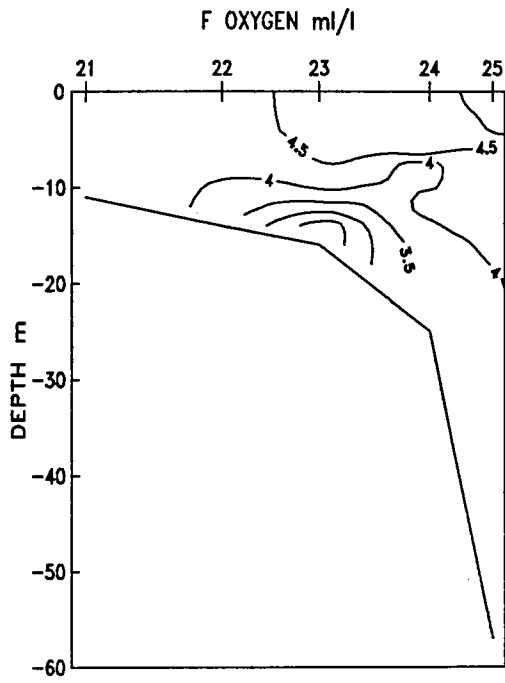






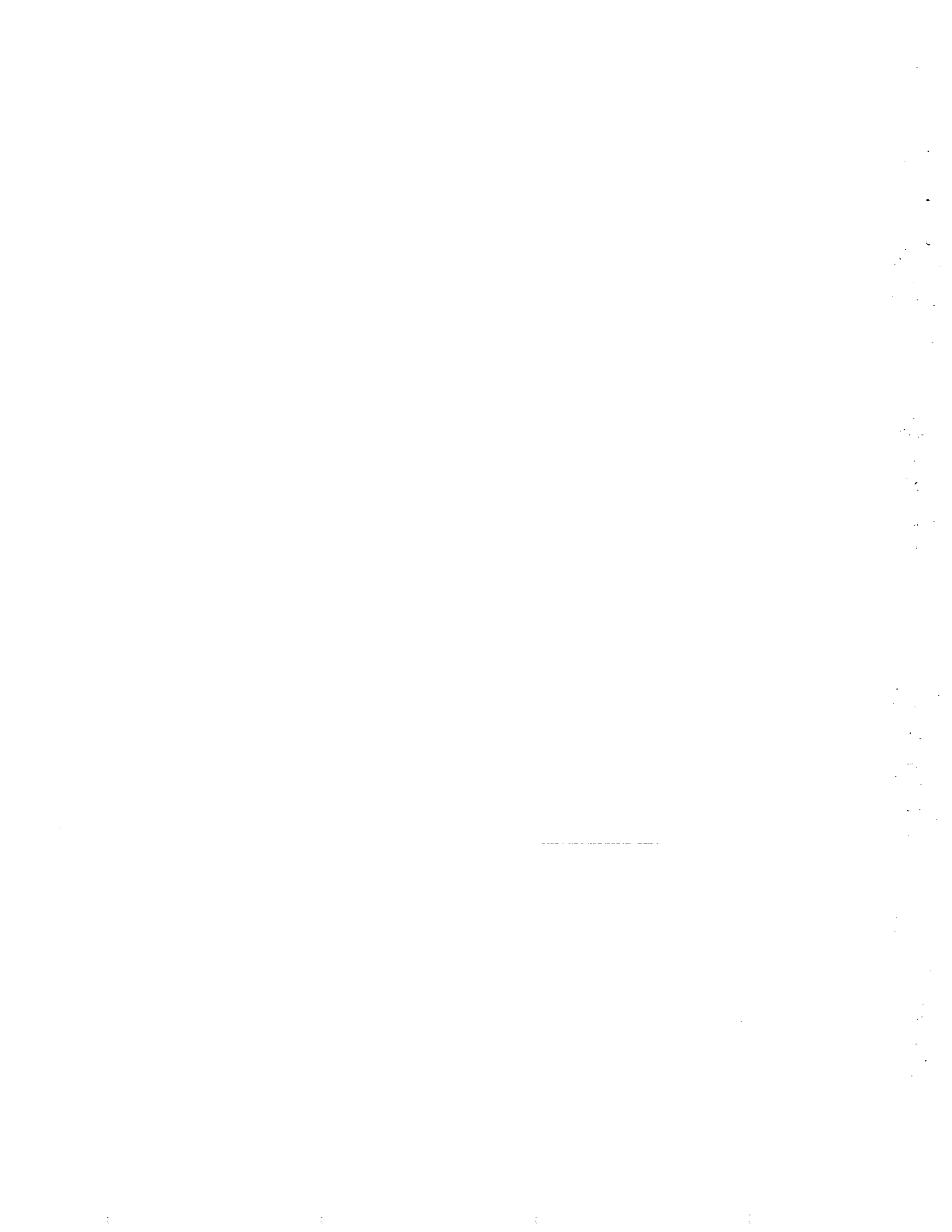






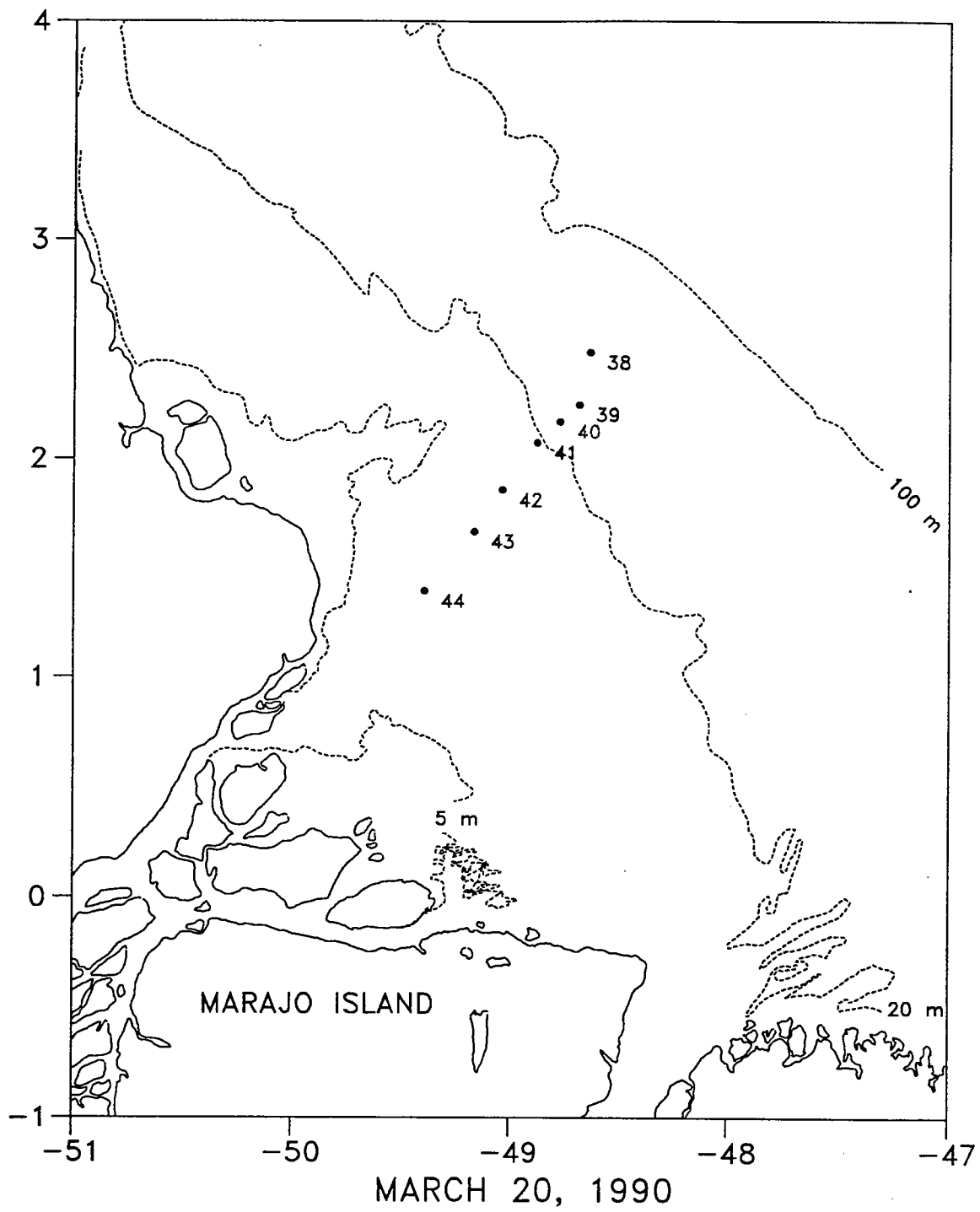


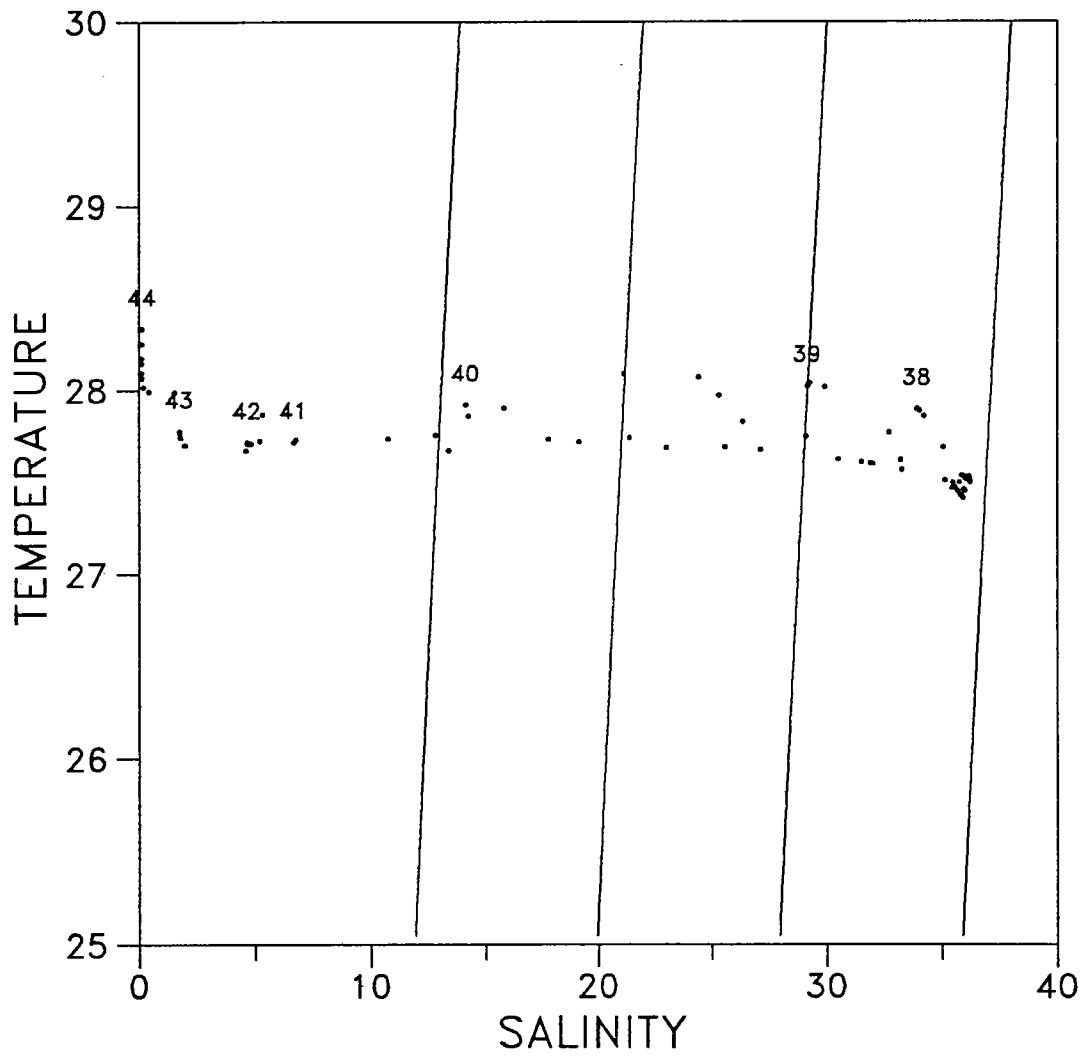




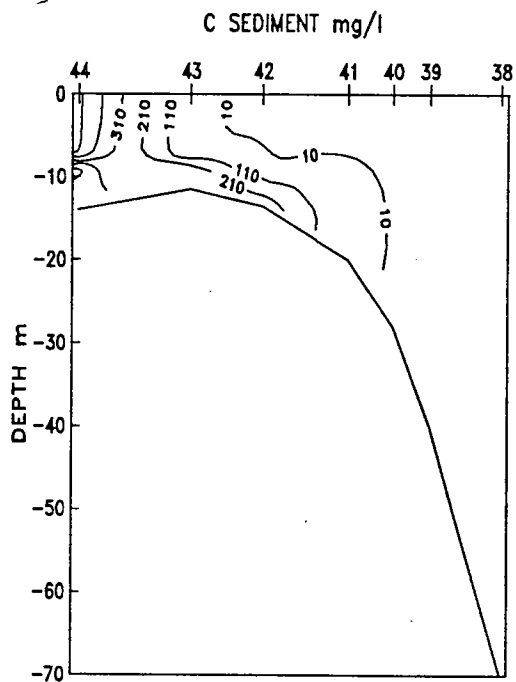
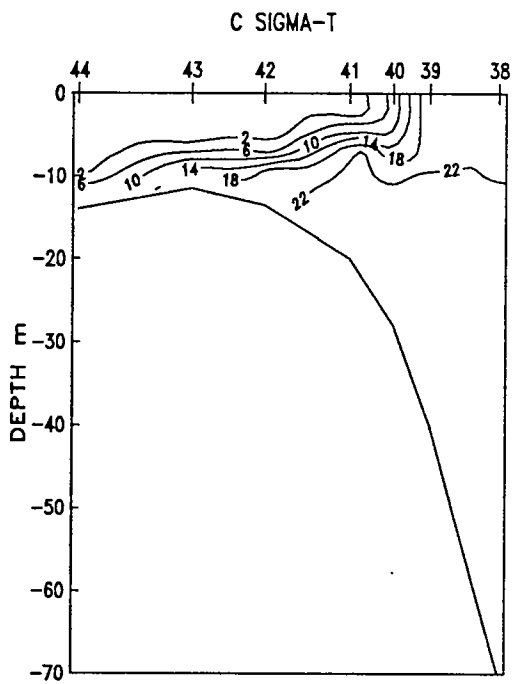
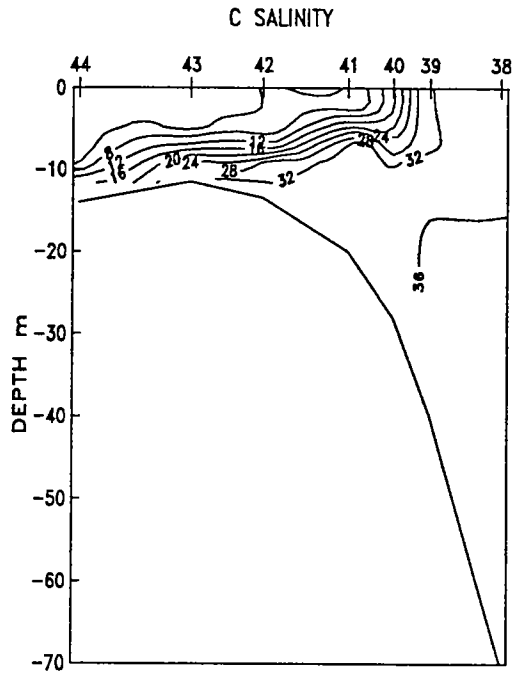
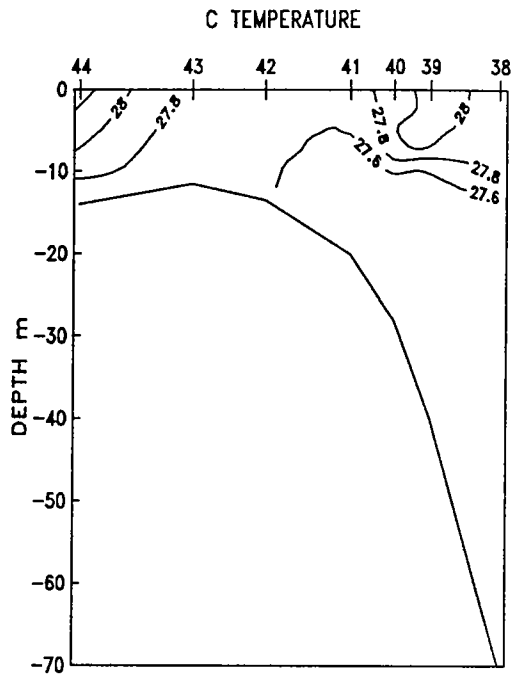
**G. Leg 4 – Section C — March 20, 1990  
Stations 38 to 44**



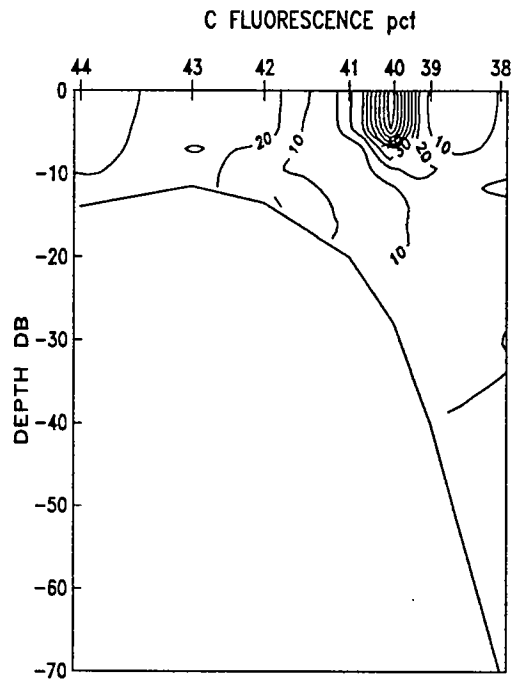
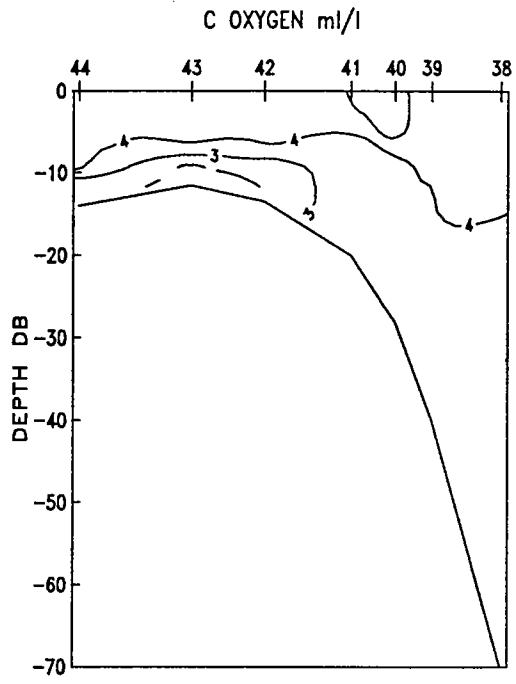










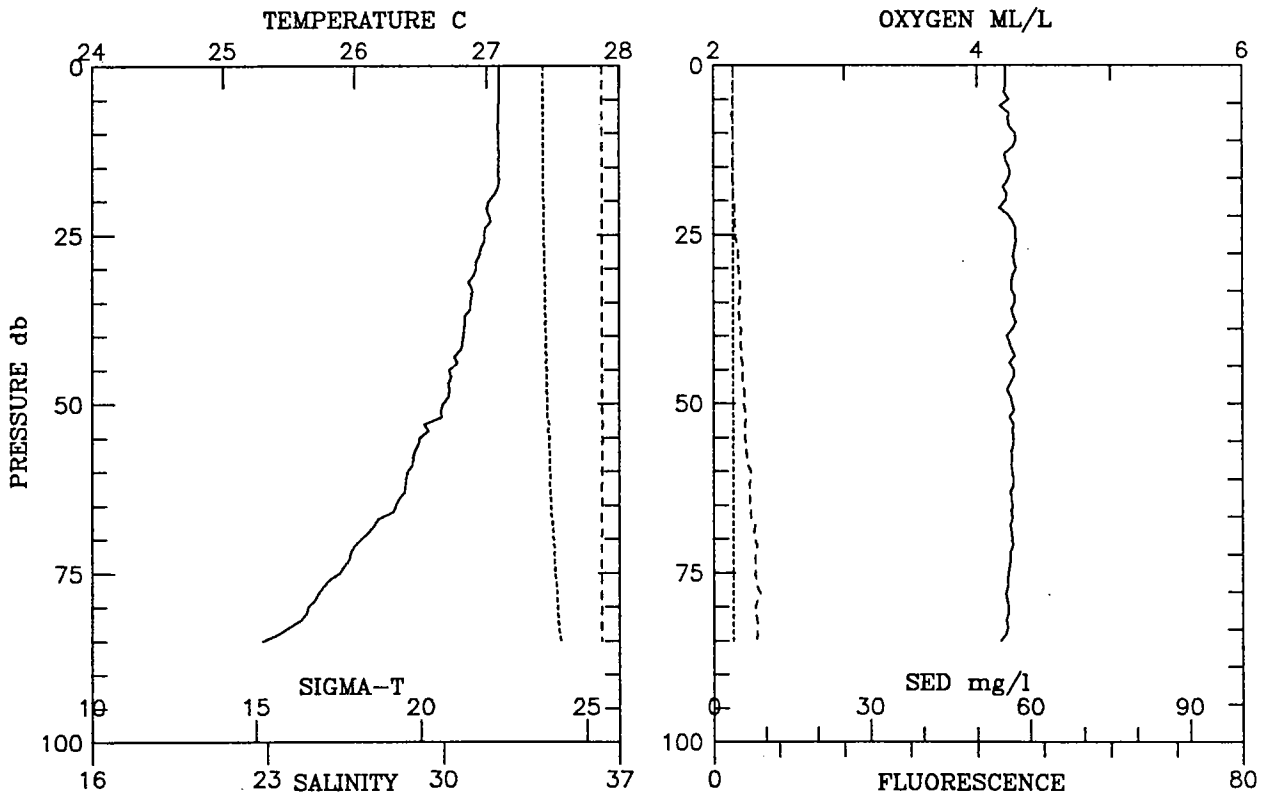




## 8. Station Listings and Profiles

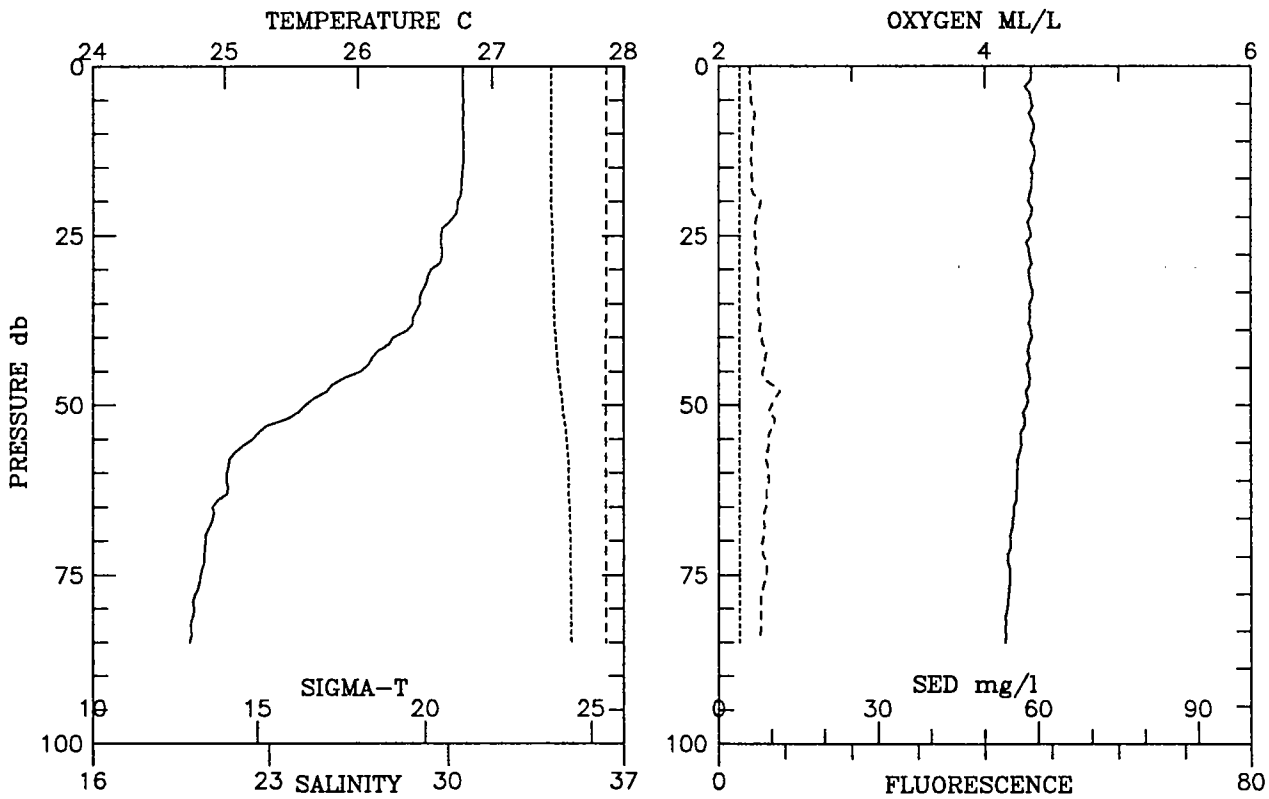
Cruise 19002 Leg 1 Station # 1 Depth m:91 Time: 1990-02-10 08:46  
 Position: 4° 5.64'N 49° 37.06'W Depth Deck Offset: 0.00 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.091	36.305	23.674	0.0000	4.212	3.0	3.7
5.0		27.089	36.304	23.674	0.0212	4.237	2.9	3.7
10.0		27.084	36.305	23.676	0.0423	4.286	3.0	3.7
15.0		27.085	36.307	23.677	0.0635	4.239	2.8	3.7
20.0		27.011	36.303	23.698	0.0846	4.214	3.2	3.7
25.0		26.980	36.300	23.706	0.1057	4.287	3.3	3.7
30.0		26.916	36.298	23.725	0.1267	4.294	3.8	3.7
35.0		26.872	36.297	23.738	0.1476	4.282	3.9	3.7
40.0		26.821	36.297	23.754	0.1685	4.223	4.1	3.7
45.0		26.711	36.293	23.787	0.1893	4.276	4.5	3.7
50.0		26.663	36.299	23.806	0.2100	4.265	4.6	3.7
55.0		26.490	36.309	23.869	0.2306	4.272	4.8	3.7
60.0		26.401	36.296	23.887	0.2509	4.264	5.7	3.7
65.0		26.311	36.287	23.909	0.2712	4.265	5.5	3.7
70.0		26.048	36.283	23.988	0.2912	4.265	6.3	3.7
75.0		25.883	36.275	24.034	0.3109	4.235	6.4	3.7
80.0		25.644	36.272	24.106	0.3303	4.236	6.4	3.7
85.0		25.302	36.272	24.212	0.3494	4.177	6.5	3.7



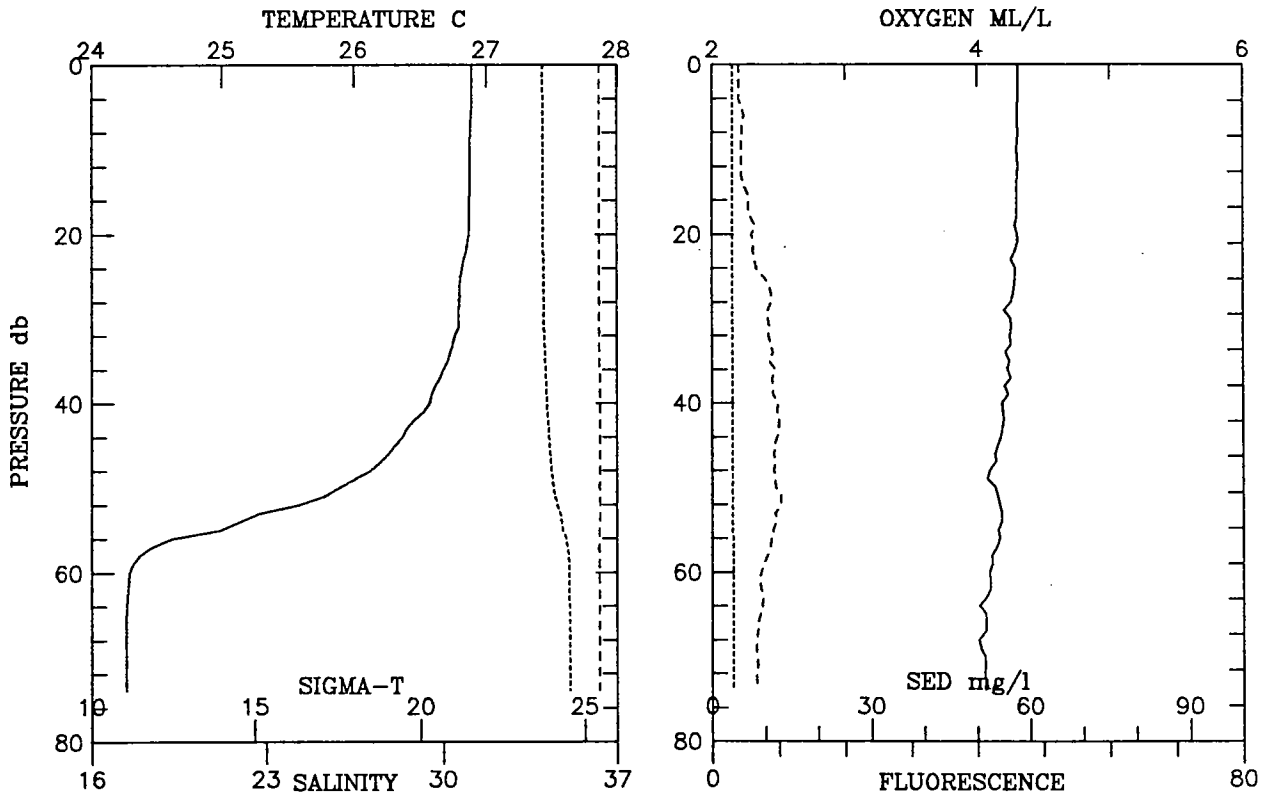
Cruise 19002 Leg 1 Station # 2 Depth m:92 Time: 1990-02-10 11:27  
 Position: 3° 46.24'N 49° 36.18'W Depth Deck Offset: -0.20 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.781	36.306	23.774	0.0000	4.346	4.7	3.9
5.0		26.784	36.304	23.771	0.0207	4.345	4.9	3.9
10.0		26.782	36.305	23.773	0.0414	4.356	5.2	3.9
15.0		26.782	36.306	23.774	0.0621	4.347	5.0	3.9
20.0		26.741	36.303	23.784	0.0828	4.327	6.4	3.9
25.0		26.619	36.298	23.820	0.1034	4.345	5.5	3.9
30.0		26.542	36.297	23.843	0.1239	4.328	6.1	3.9
35.0		26.462	36.288	23.862	0.1442	4.335	6.1	3.9
40.0		26.259	36.277	23.918	0.1645	4.351	6.5	3.9
45.0		26.017	36.270	23.988	0.1844	4.325	6.7	3.9
50.0		25.607	36.272	24.118	0.2038	4.315	8.0	3.9
55.0		25.209	36.272	24.240	0.2226	4.269	7.5	3.9
60.0		25.017	36.274	24.301	0.2410	4.240	7.5	3.9
65.0		24.909	36.276	24.336	0.2593	4.216	7.1	3.9
70.0		24.852	36.278	24.355	0.2774	4.190	6.6	3.9
75.0		24.815	36.278	24.366	0.2954	4.183	7.2	3.9
80.0		24.767	36.277	24.380	0.3134	4.164	6.4	3.9
85.0		24.733	36.280	24.393	0.3313	4.151	6.1	3.9



Cruise 19002 Leg 1 Station # 3 Depth m:82 Time: 1990-02-10 13:29  
 Position: 3° 35.36'N 49° 43.20'W Depth Deck Offset: -0.20 Fish 2

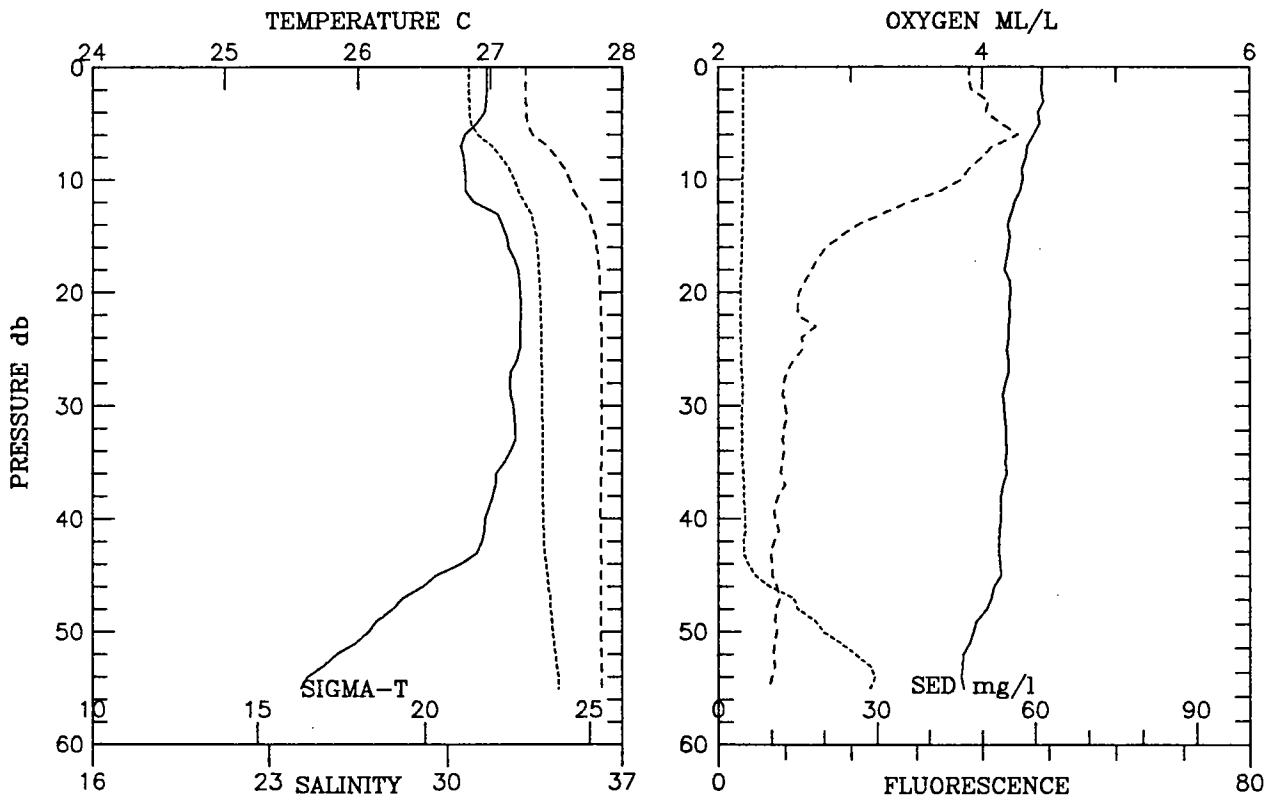
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.889	36.268	23.711	0.0000	4.310	4.0	3.8
5.0		26.886	36.267	23.711	0.0210	4.306	4.4	3.8
10.0		26.875	36.267	23.715	0.0420	4.303	4.4	3.8
15.0		26.871	36.267	23.716	0.0629	4.303	5.3	3.8
20.0		26.861	36.268	23.720	0.0839	4.306	6.0	3.8
25.0		26.800	36.274	23.744	0.1048	4.286	7.8	3.8
30.0		26.785	36.275	23.749	0.1257	4.255	8.4	3.8
35.0		26.701	36.284	23.783	0.1465	4.245	8.5	3.8
40.0		26.566	36.290	23.830	0.1671	4.190	9.9	3.8
45.0		26.306	36.296	23.917	0.1874	4.154	9.4	3.8
50.0		25.889	36.283	24.038	0.2072	4.135	9.6	3.8
55.0		24.985	36.281	24.316	0.2260	4.161	9.2	3.8
60.0		24.291	36.273	24.521	0.2435	4.093	7.3	3.9
65.0		24.269	36.272	24.526	0.2608	4.065	7.2	3.9
70.0		24.268	36.272	24.526	0.2780	4.057	6.7	3.9
74.0		24.268	36.272	24.526	0.2918	4.061	6.6	3.9





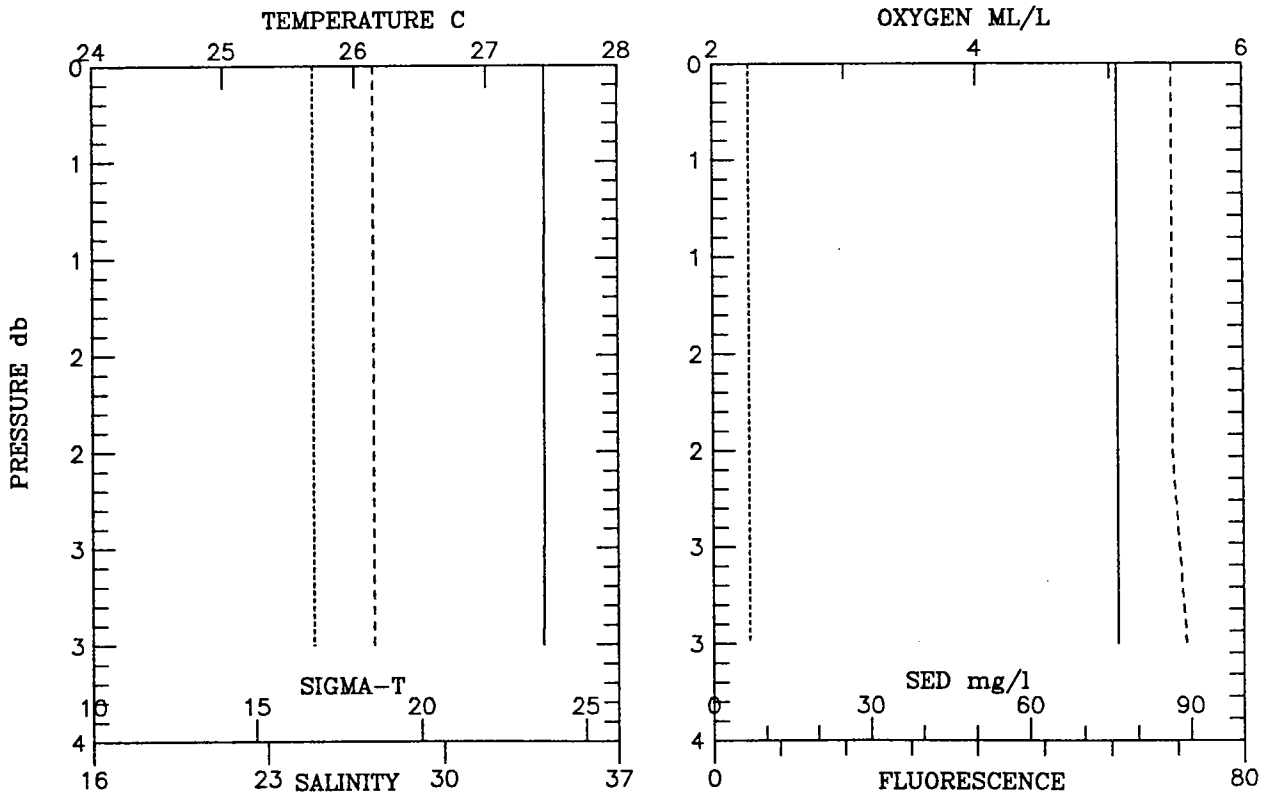
Cruise 19002 Leg 1 Station # 4 Depth m:61 Time: 1990-02-10 15:49  
 Position: 3° 21.91'N 49° 55.78'W Depth Deck Offset: -0.20 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 26.970	33.150	21.337	0.0000	4.454	38.1	4.7
5.0	26.893	33.204	21.402	0.0323	4.432	43.0	4.7
10.0	26.807	34.905	22.710	0.0609	4.309	36.8	4.6
15.0	27.120	35.934	23.385	0.0848	4.208	18.5	4.5
20.0	27.220	36.114	23.489	0.1071	4.213	12.2	4.2
25.0	27.214	36.164	23.528	0.1291	4.188	12.7	4.3
30.0	27.168	36.174	23.551	0.1509	4.166	10.1	4.5
35.0	27.098	36.172	23.571	0.1727	4.177	9.6	4.5
40.0	26.958	36.130	23.585	0.1944	4.141	8.5	5.0
45.0	26.581	36.140	23.712	0.2159	4.142	8.1	7.0
50.0	26.075	36.141	23.873	0.2365	3.931	8.8	19.8
55.0	25.574	36.176	24.055	0.2564	3.862	7.7	28.7



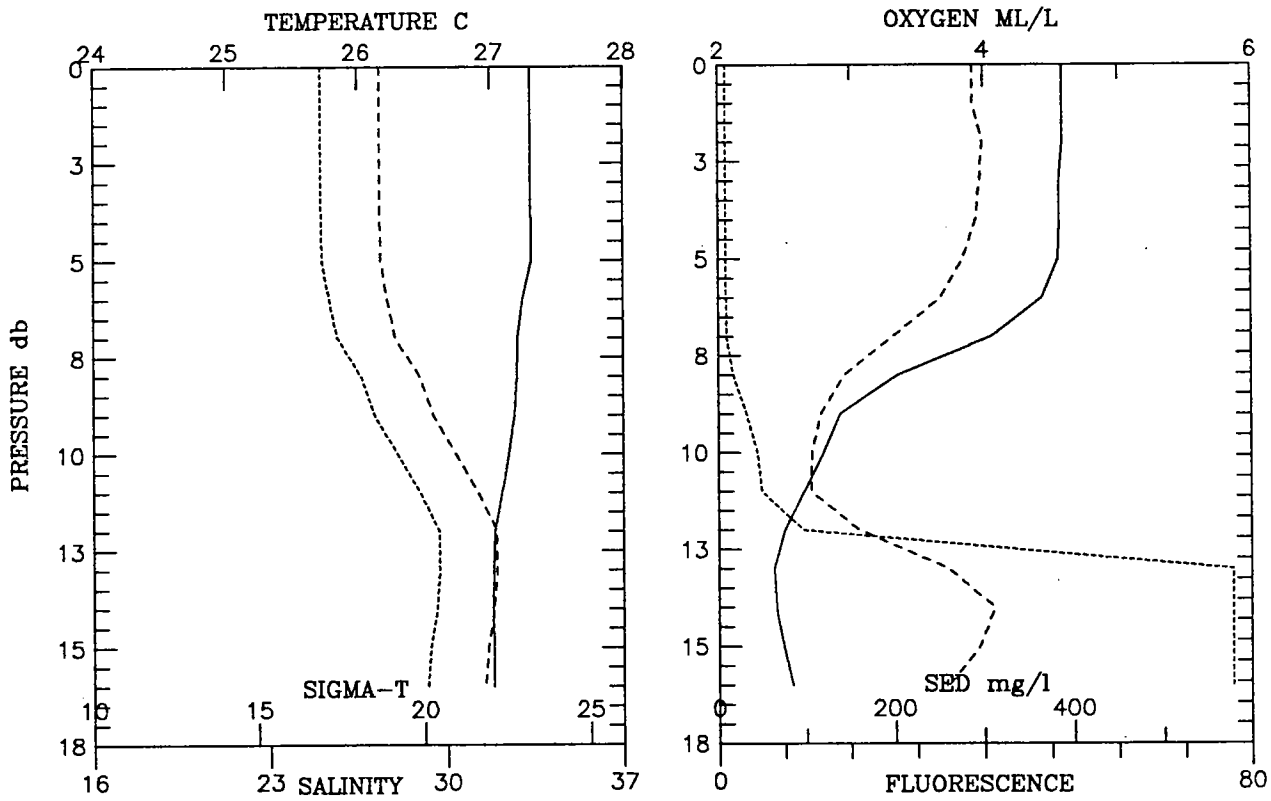
Cruise I9002 Leg 1 Station # 6 Depth m:19 Time: 1990-02-10 22:22  
 Position: 3° 6.31'N 50° 16.91'W Depth Deck Offset: -0.20 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.447	27.245	16.752	0.0000	5.106	69.9	6.7
1.0	E 27.446	27.244	16.751	0.0109	5.107	69.9	6.7
2.0	E 27.446	27.244	16.751	0.0218	5.107	69.9	6.7
3.0	27.446	27.244	16.751	0.0326	5.108	69.9	6.7
4.0	27.447	27.243	16.750	0.0435	5.115	72.1	6.7
5.0	27.444	27.266	16.768	0.0544	5.093	70.5	6.8
6.0	27.375	27.393	16.885	0.0652	4.969	64.4	7.4
7.0	27.293	27.473	16.970	0.0759	4.493	51.6	8.3
8.0	27.223	27.615	17.099	0.0865	4.043	35.6	10.6
9.0	27.206	28.031	17.416	0.0969	3.318	22.3	15.8
10.0	27.211	28.684	17.904	0.1069	2.994	18.2	49.2
11.0	27.188	29.351	18.413	0.1165	2.929	17.0	83.4
12.0	27.136	30.272	19.121	0.1254	2.803	17.3	100.4
13.0	27.113	30.754	19.490	0.1338	2.627	18.2	106.3
14.0	27.083	31.244	19.868	0.1419	2.558	19.0	147.9
15.0	27.034	31.997	20.449	0.1495	2.363	39.6	519.4
16.0	27.033	31.852	20.341	0.1569	2.248	22.4	577.7



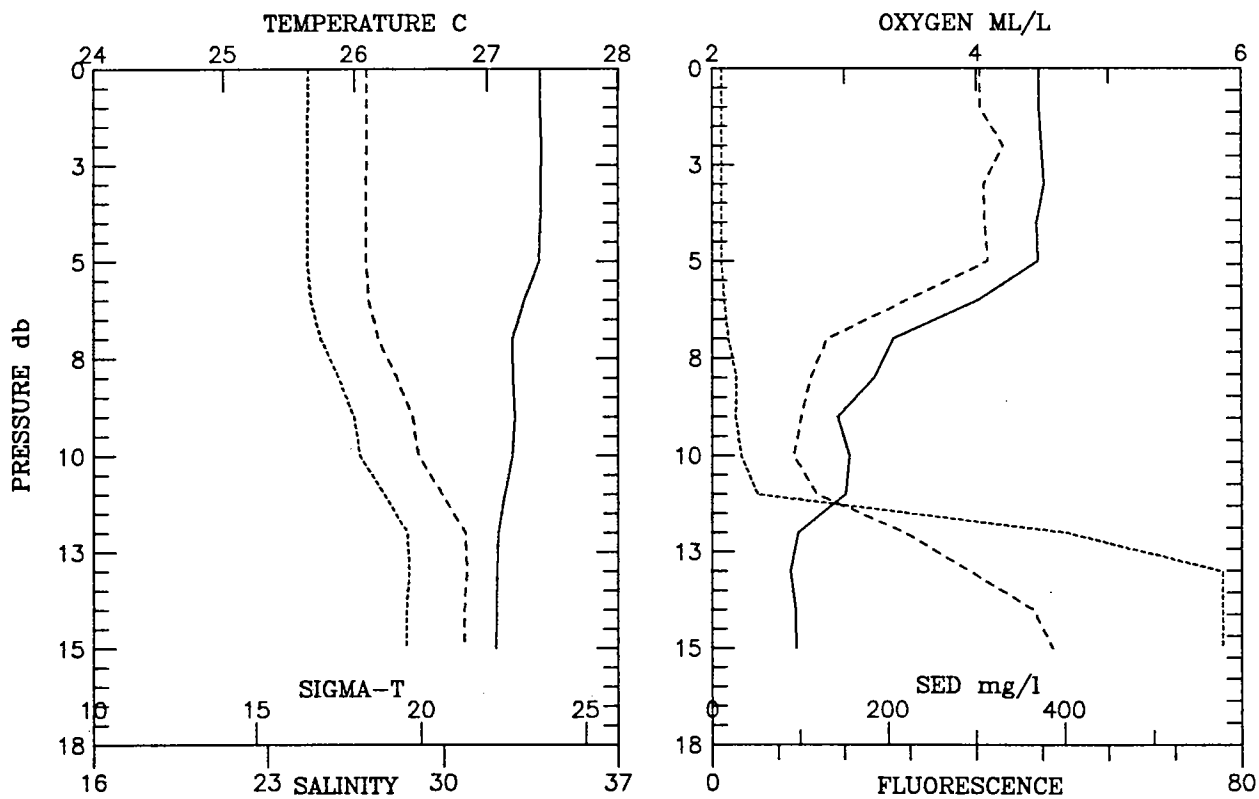
Cruise 19002 Leg 1 Station # 7 Depth m:19 Time: 1990-02-11 00:22  
 Position: 3° 6.31'N 50° 16.91'W Depth Deck Offset: -0.20 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.304	27.378	16.896	0.0000	4.586	38.5	8.3
1.0		27.303	27.377	16.895	0.0107	4.586	38.5	8.3
2.0		27.304	27.375	16.894	0.0215	4.587	39.9	8.2
3.0		27.305	27.376	16.894	0.0322	4.564	39.5	8.2
4.0		27.309	27.395	16.907	0.0430	4.561	38.9	8.2
5.0		27.311	27.424	16.928	0.0537	4.552	36.9	8.4
6.0		27.243	27.679	17.141	0.0643	4.434	33.6	8.8
7.0		27.201	27.996	17.392	0.0747	4.060	26.5	9.4
8.0		27.197	28.947	18.106	0.0846	3.359	19.1	16.8
9.0		27.178	29.477	18.511	0.0940	2.924	15.6	31.7
10.0		27.133	30.370	19.195	0.1028	2.799	14.2	44.4
11.0		27.083	31.257	19.878	0.1110	2.651	14.1	48.9
12.0		27.030	31.974	20.433	0.1186	2.505	21.3	97.0
13.0		27.020	31.977	20.439	0.1260	2.422	34.7	577.7
14.0		27.015	31.865	20.356	0.1333	2.438	41.5	577.7
15.0		27.017	31.618	20.170	0.1408	2.493	39.4	577.7
16.0		27.018	31.502	20.082	0.1485	2.559	34.7	577.7



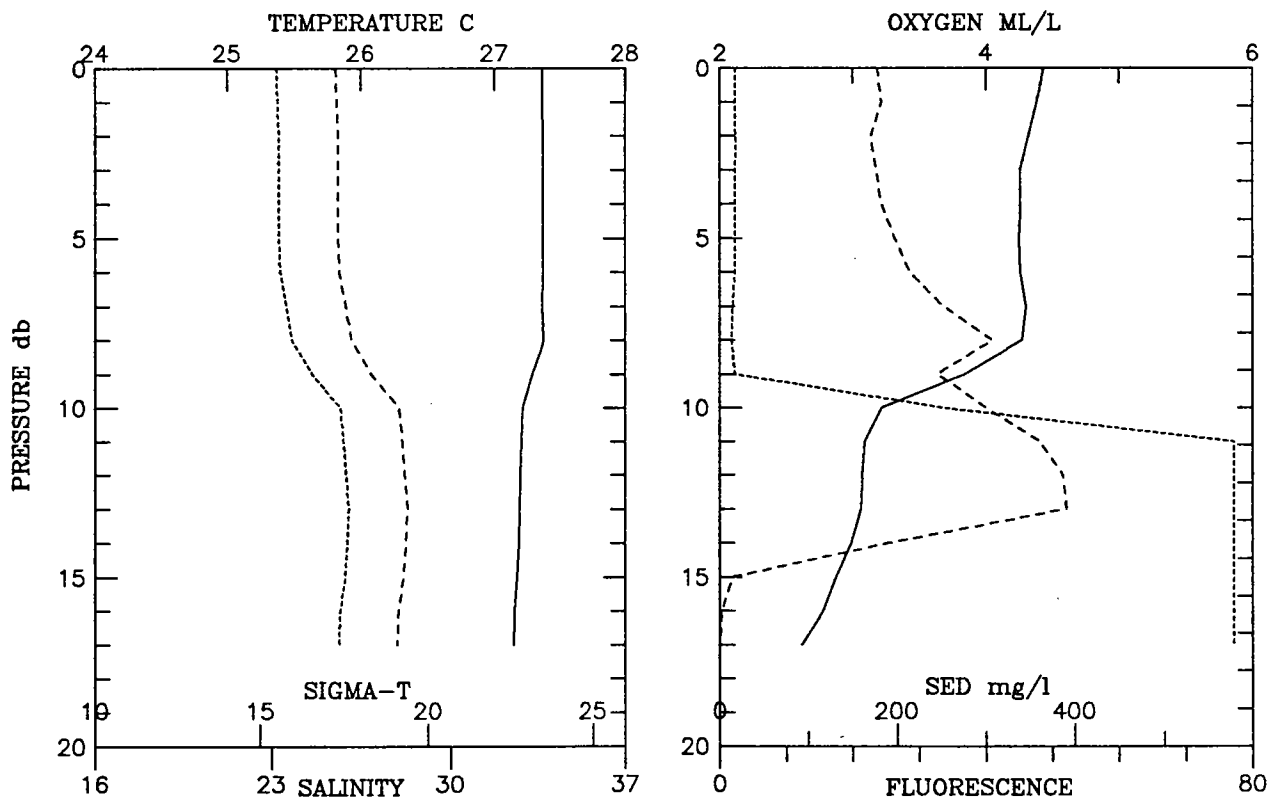
Cruise I9002 Leg 1 Station # 8 Depth m:18.8 Time: 1990-02-11 01:04  
 Position: 3° 6.31'N 50° 16.91'W Depth Deck Offset: -0.15 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.403	26.988	16.573	0.0000	4.477	40.6	10.2
1.0		27.402	26.987	16.572	0.0111	4.478	40.6	10.2
2.0		27.412	26.975	16.560	0.0221	4.498	44.1	10.3
3.0		27.407	26.968	16.556	0.0332	4.513	41.2	10.3
4.0		27.399	26.966	16.557	0.0443	4.458	41.3	10.6
5.0		27.392	26.966	16.559	0.0553	4.468	41.8	10.6
6.0		27.279	27.056	16.662	0.0663	4.020	29.7	13.5
7.0		27.190	27.439	16.977	0.0772	3.377	17.4	18.7
8.0		27.191	28.163	17.520	0.0876	3.232	15.0	27.5
9.0		27.205	28.784	17.981	0.0975	2.951	13.5	26.8
10.0		27.187	29.017	18.162	0.1071	3.041	12.4	33.4
11.0		27.132	29.972	18.897	0.1163	3.011	15.9	52.1
12.0		27.079	30.866	19.585	0.1247	2.654	29.3	402.3
13.0		27.069	30.929	19.635	0.1329	2.597	39.1	577.7
14.0		27.064	30.820	19.555	0.1410	2.632	48.7	577.7
15.0		27.062	30.810	19.548	0.1492	2.640	51.6	577.7



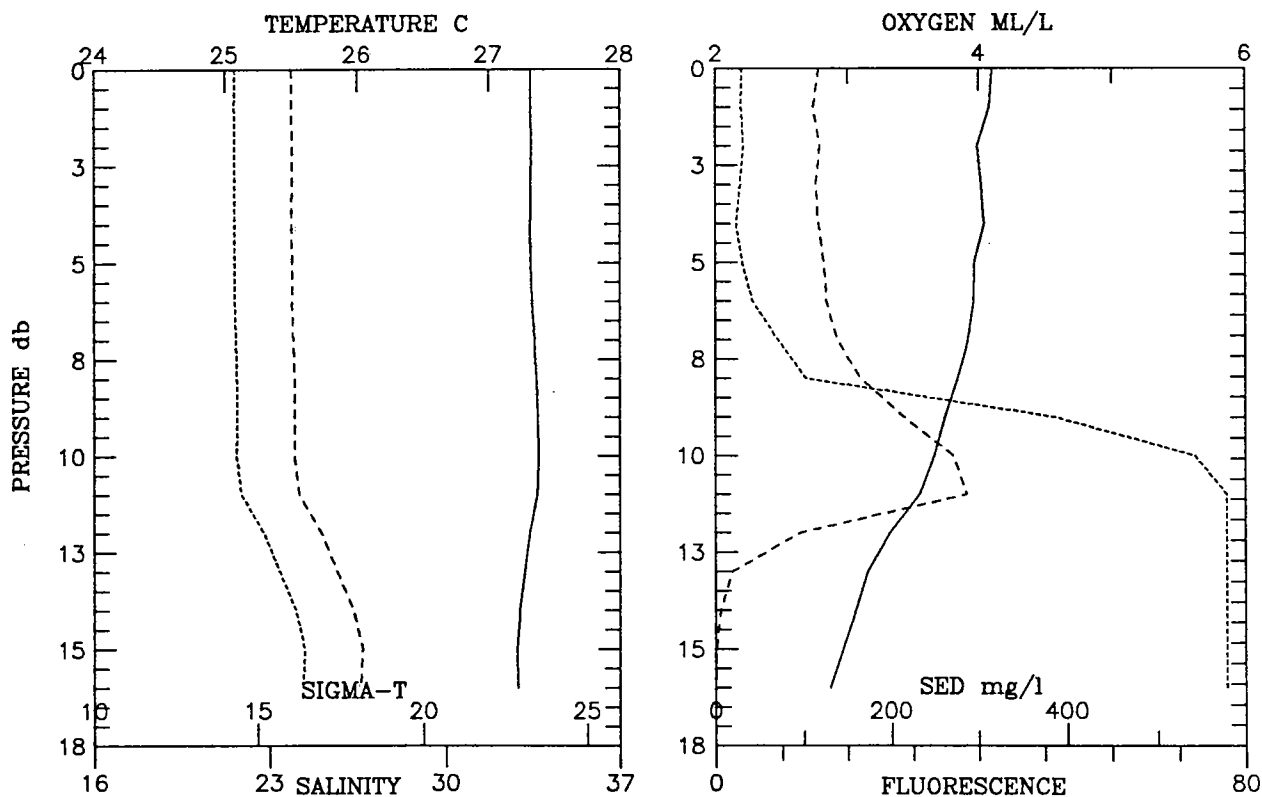
Cruise I9002 Leg 1 Station # 9 Depth m:17.6 Time: 1990-02-11 02:03  
 Position: 3° 6.31'N 50° 16.91'W Depth Deck Offset: -0.15 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.363	25.514	15.481	0.0000	4.433	23.8	17.3
1.0	27.363	25.551	15.508	0.0121	4.386	24.4	17.0
2.0	27.367	25.608	15.550	0.0242	4.320	22.8	17.6
3.0	27.368	25.607	15.549	0.0362	4.259	23.6	17.5
4.0	27.367	25.605	15.548	0.0483	4.258	24.4	17.4
5.0	27.366	25.611	15.552	0.0603	4.247	26.4	17.2
6.0	27.368	25.664	15.592	0.0723	4.258	28.6	16.8
7.0	27.364	25.909	15.776	0.0842	4.300	33.7	14.5
8.0	27.373	26.136	15.944	0.0960	4.273	41.0	13.2
9.0	27.283	26.904	16.547	0.1074	3.844	32.8	17.0
10.0	27.213	28.003	17.393	0.1180	3.221	40.0	251.8
11.0	27.201	28.120	17.485	0.1283	3.092	48.1	577.7
12.0	27.194	28.214	17.557	0.1384	3.077	51.6	577.7
13.0	27.187	28.320	17.639	0.1485	3.063	52.2	577.7
14.0	27.181	28.255	17.592	0.1585	2.992	25.5	577.7
15.0	27.170	28.166	17.529	0.1686	2.876	1.9	577.7
16.0	27.149	27.970	17.388	0.1788	2.778	0.3	577.7
17.0	27.144	27.912	17.346	0.1891	2.619	0.0	577.7



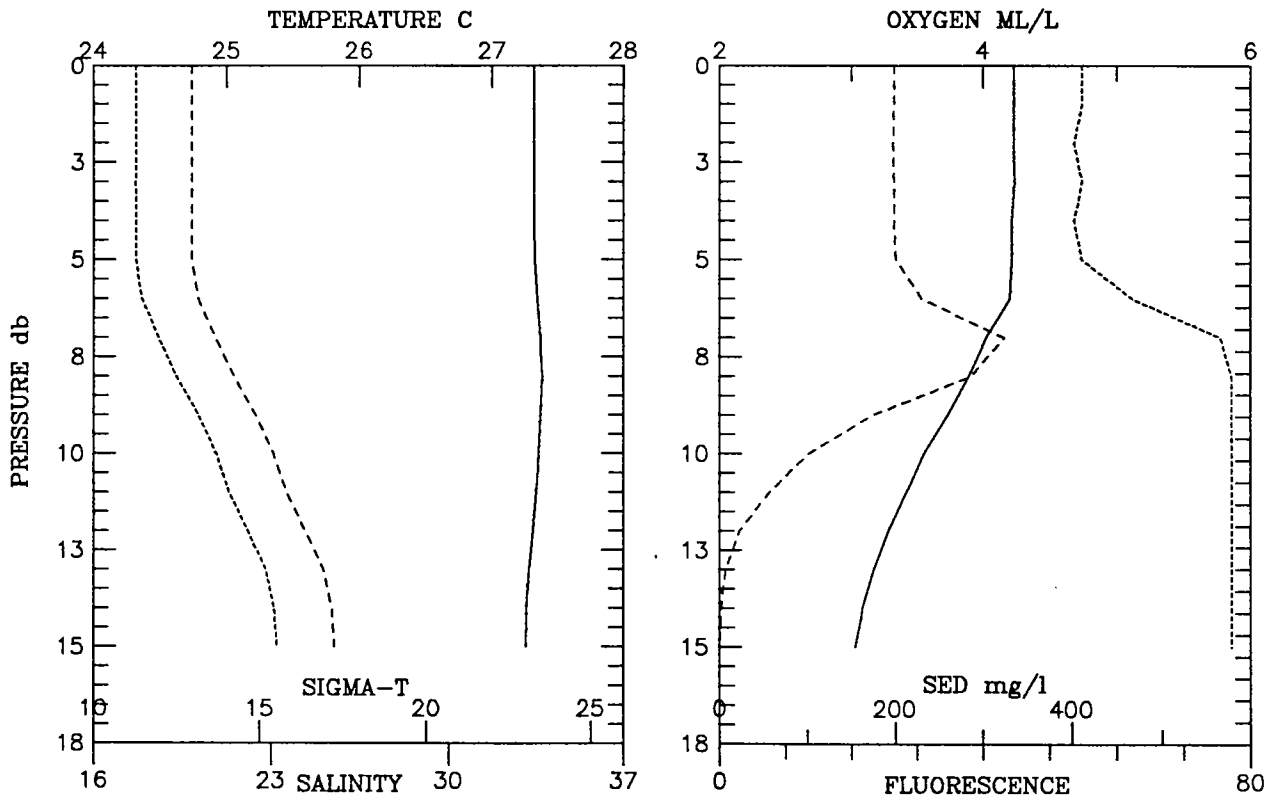
Cruise I9002 Leg 1 Station # 10 Depth m:16.3 Time: 1990-02-11 03:00  
 Position: 3° 6.31'N 50° 16.91'W Depth Deck Offset: -0.15 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	27.321	23.905	14.289	0.0000	4.102	15.6	29.2
1.0	27.316	23.889	14.278	0.0133	4.082	14.8	29.0
2.0	27.325	23.920	14.299	0.0265	3.992	15.8	31.5
3.0	27.317	23.910	14.294	0.0398	4.022	15.2	27.6
4.0	27.312	23.900	14.288	0.0531	4.046	15.6	23.4
5.0	27.321	23.911	14.294	0.0663	3.967	16.4	29.9
6.0	27.329	23.926	14.302	0.0796	3.961	16.8	41.8
7.0	27.345	23.968	14.329	0.0928	3.918	18.4	70.6
8.0	27.360	24.016	14.360	0.1061	3.842	22.0	102.3
9.0	27.371	24.031	14.368	0.1193	3.745	28.6	385.5
10.0	27.379	24.020	14.357	0.1325	3.660	36.2	542.0
11.0	27.368	24.206	14.500	0.1456	3.550	38.2	577.7
12.0	27.311	25.093	15.182	0.1583	3.320	12.8	577.7
13.0	27.269	25.713	15.659	0.1705	3.150	2.5	577.7
14.0	27.228	26.346	16.146	0.1822	3.061	0.7	577.7
15.0	27.209	26.691	16.410	0.1936	2.962	0.1	577.7
16.0	27.217	26.606	16.344	0.2048	2.864	0.0	577.7



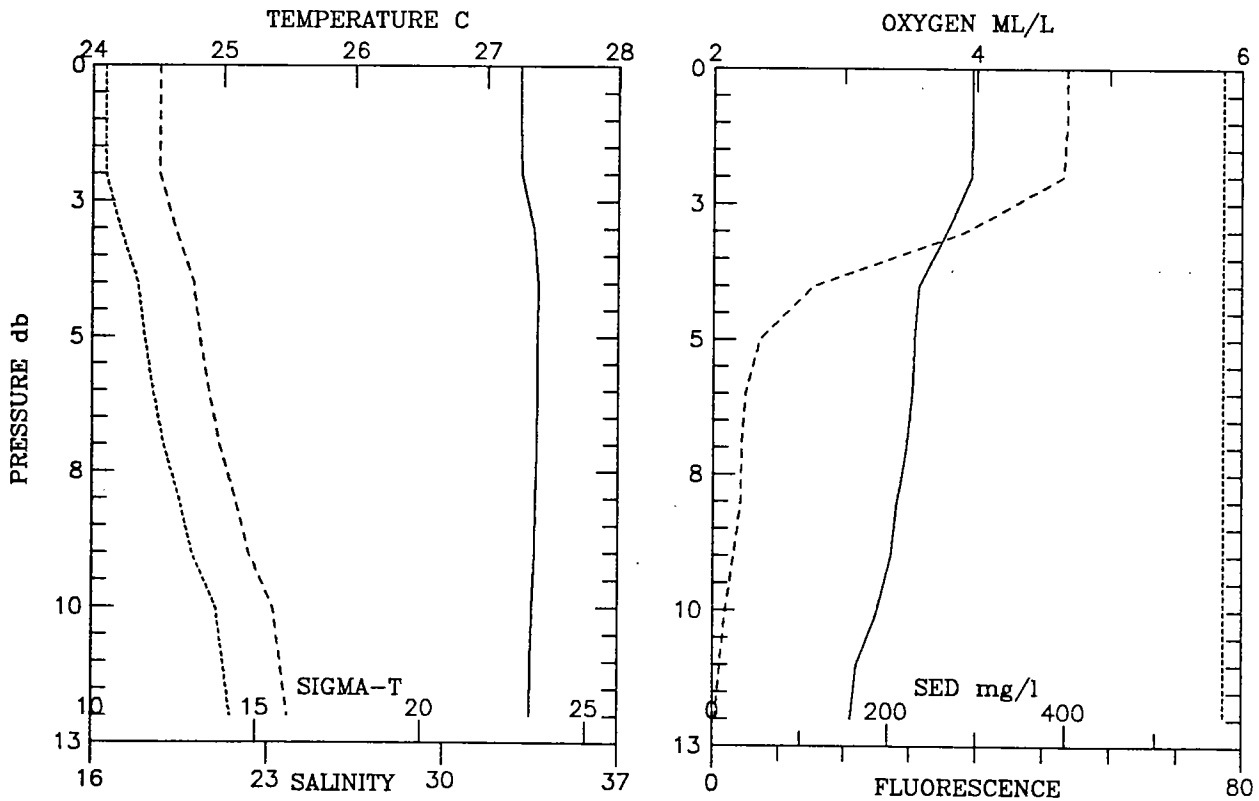
Cruise 19002 Leg 1 Station # 11 Depth m:15.7 Time: 1990-02-11 04:02  
 Position: 3° 6.31'N 50° 16.91'W Depth Deck Offset: -0.15 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.317	19.872	11.274	0.0000	4.235	26.5	410.9
1.0	27.317	19.872	11.274	0.0162	4.235	26.5	410.9
2.0	27.319	19.875	11.276	0.0324	4.232	26.4	402.3
3.0	27.318	19.869	11.271	0.0486	4.240	26.5	410.9
4.0	27.319	19.872	11.273	0.0648	4.218	26.5	402.3
5.0	27.324	19.878	11.277	0.0810	4.221	26.8	410.9
6.0	27.342	20.124	11.455	0.0972	4.204	30.8	466.9
7.0	27.368	20.805	11.956	0.1130	4.027	43.2	565.5
8.0	27.383	21.530	12.493	0.1282	3.892	38.2	577.7
9.0	27.368	22.400	13.148	0.1429	3.733	23.3	577.7
10.0	27.354	23.110	13.684	0.1571	3.554	13.5	577.7
11.0	27.336	23.620	14.071	0.1707	3.419	7.5	577.7
12.0	27.310	24.363	14.635	0.1839	3.282	3.0	577.7
13.0	27.280	25.077	15.179	0.1966	3.173	0.9	577.7
14.0	27.263	25.411	15.435	0.2089	3.082	0.2	577.7
15.0	27.254	25.512	15.513	0.2210	3.031	0.0	577.7



Cruise I9002 Leg 1 Station # 12 Depth m:16 Time: 1990-02-11 05:05  
 Position: 3° 6.31'N 50° 16.91'W Depth Deck Offset: -0.15 Fish 2

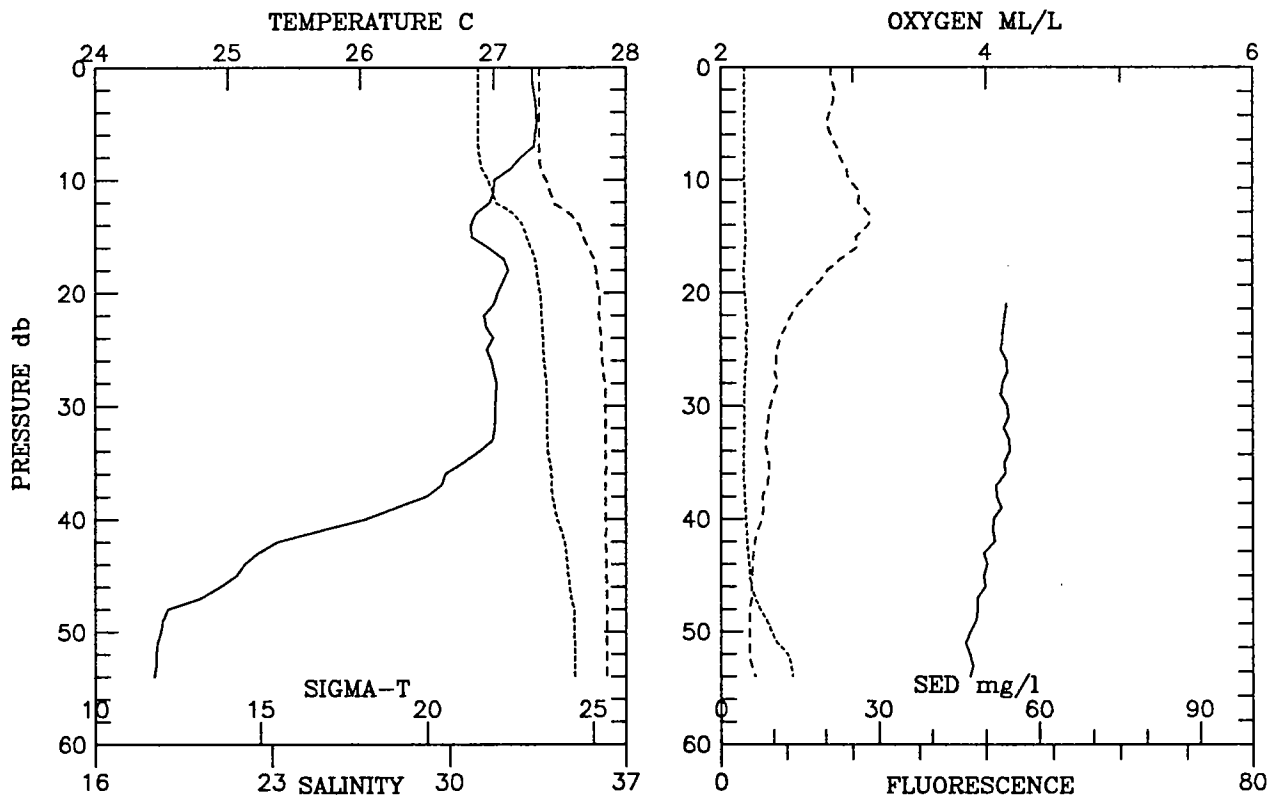
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.250	18.663	10.391	0.0000	3.966	53.6	577.7
1.0		27.250	18.663	10.391	0.0171	3.966	53.6	577.7
2.0		27.261	18.685	10.404	0.0341	3.962	53.0	577.7
3.0		27.355	19.325	10.854	0.0510	3.776	38.4	577.7
4.0		27.386	20.068	11.400	0.0673	3.570	15.3	577.7
5.0		27.383	20.331	11.597	0.0833	3.537	7.0	577.7
6.0		27.380	20.681	11.860	0.0991	3.522	4.9	577.7
7.0		27.375	21.110	12.182	0.1146	3.475	4.3	577.7
8.0		27.369	21.739	12.654	0.1297	3.403	4.2	577.7
9.0		27.361	22.269	13.053	0.1443	3.358	3.1	577.7
10.0		27.342	23.240	13.785	0.1584	3.252	1.9	577.7
11.0		27.335	23.543	14.014	0.1721	3.101	1.0	577.7
12.0		27.328	23.828	14.229	0.1855	3.056	0.4	577.7





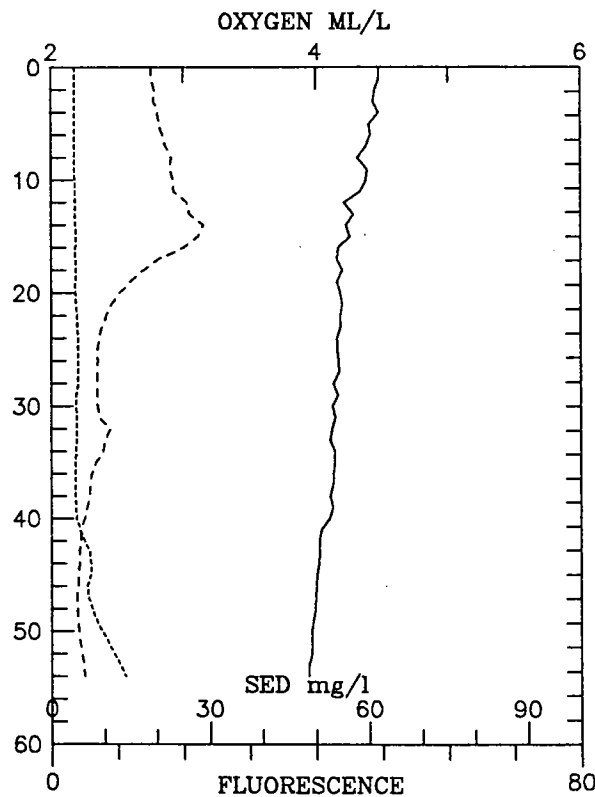
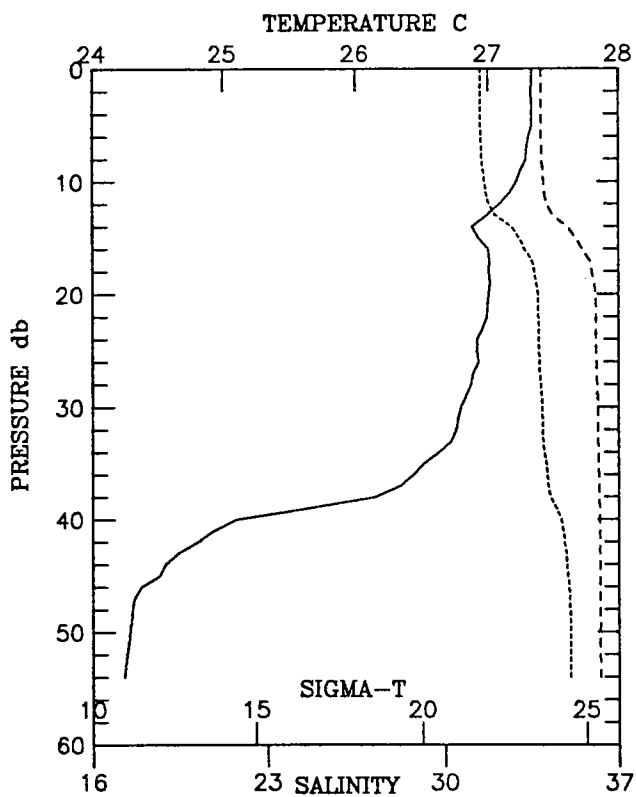
Cruise I9002 Leg 1 Station # 13 Depth m:63.5 Time: 1990-02-11 18:05  
 Position: 3° 23.45'N 49° 56.60'W Depth Deck Offset: -0.15 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.292	33.549	21.534	0.0000	0.000	16.8	4.4
5.0	27.323	33.552	21.527	0.0314	0.000	16.1	4.4
10.0	27.002	33.825	21.835	0.0625	0.000	19.5	4.4
15.0	26.832	35.278	22.983	0.0899	0.000	20.6	4.7
20.0	27.029	35.926	23.408	0.1131	0.000	13.4	4.5
25.0	26.945	36.000	23.491	0.1354	4.113	8.5	4.9
30.0	27.008	36.168	23.597	0.1571	4.161	7.5	4.4
35.0	26.764	36.190	23.692	0.1786	4.141	7.3	4.3
40.0	26.037	36.173	23.909	0.1994	4.061	6.2	4.7
45.0	25.064	36.206	24.235	0.2185	3.985	4.7	5.5
50.0	24.495	36.216	24.416	0.2365	3.886	4.3	9.6
54.0	24.443	36.224	24.438	0.2506	3.887	5.2	13.7



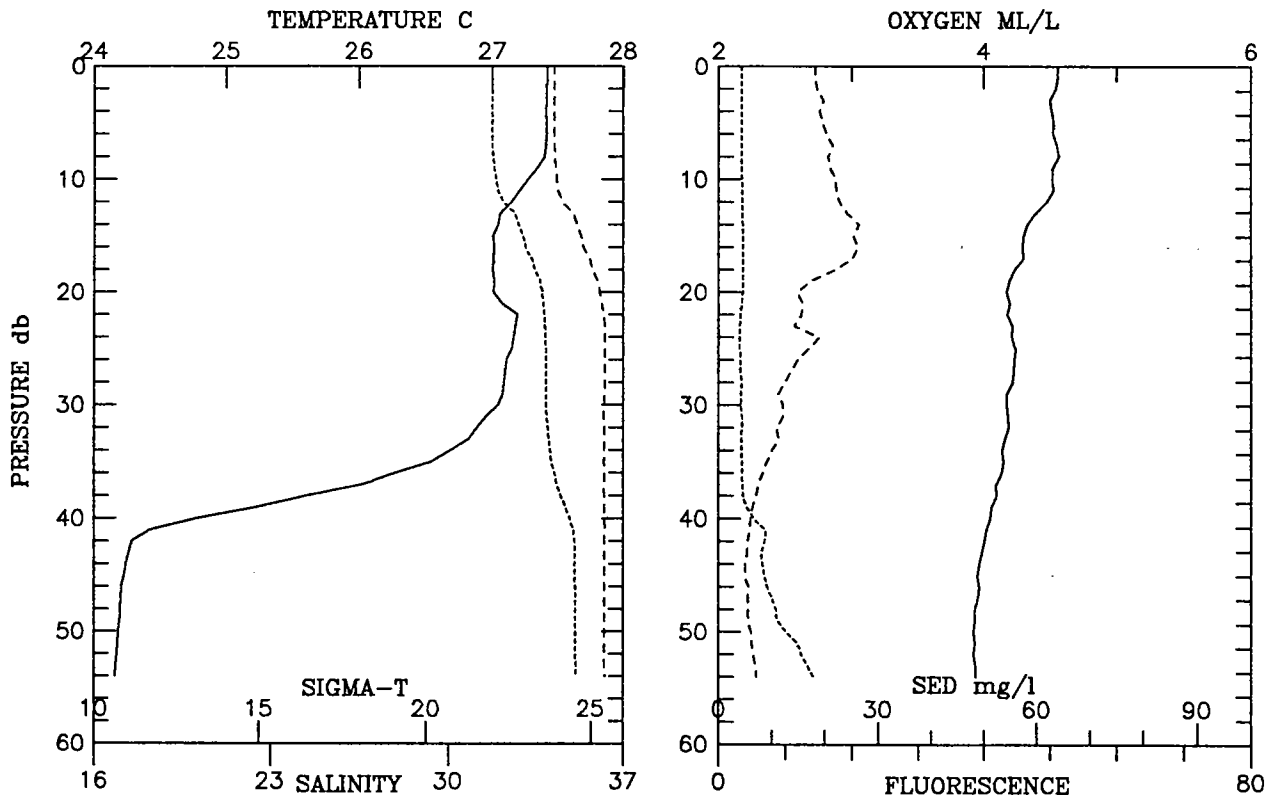
Cruise I9002 Leg 1 Station # 14 Depth m:63.5 Time: 1990-02-11 19:04  
 Position: 3° 23.45'N 49° 56.60'W Depth Deck Offset: -0.15 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.331	33.872	21.765	0.0000	4.475	15.2	4.4
5.0		27.334	33.877	21.768	0.0303	4.402	16.4	4.4
10.0		27.216	33.980	21.883	0.0603	4.379	18.6	4.5
15.0		26.926	35.272	22.949	0.0883	4.256	22.3	4.7
20.0		27.004	36.066	23.522	0.1112	4.185	10.4	4.6
25.0		26.912	36.066	23.551	0.1330	4.163	6.9	5.0
30.0		26.790	36.143	23.648	0.1546	4.125	7.0	4.7
35.0		26.509	36.183	23.768	0.1758	4.141	6.7	4.5
40.0		25.101	36.206	24.224	0.1959	4.103	5.0	4.8
45.0		24.515	36.227	24.418	0.2139	4.007	4.1	7.4
50.0		24.288	36.232	24.490	0.2314	3.965	4.1	9.5
54.0		24.243	36.235	24.506	0.2452	3.945	5.0	14.0



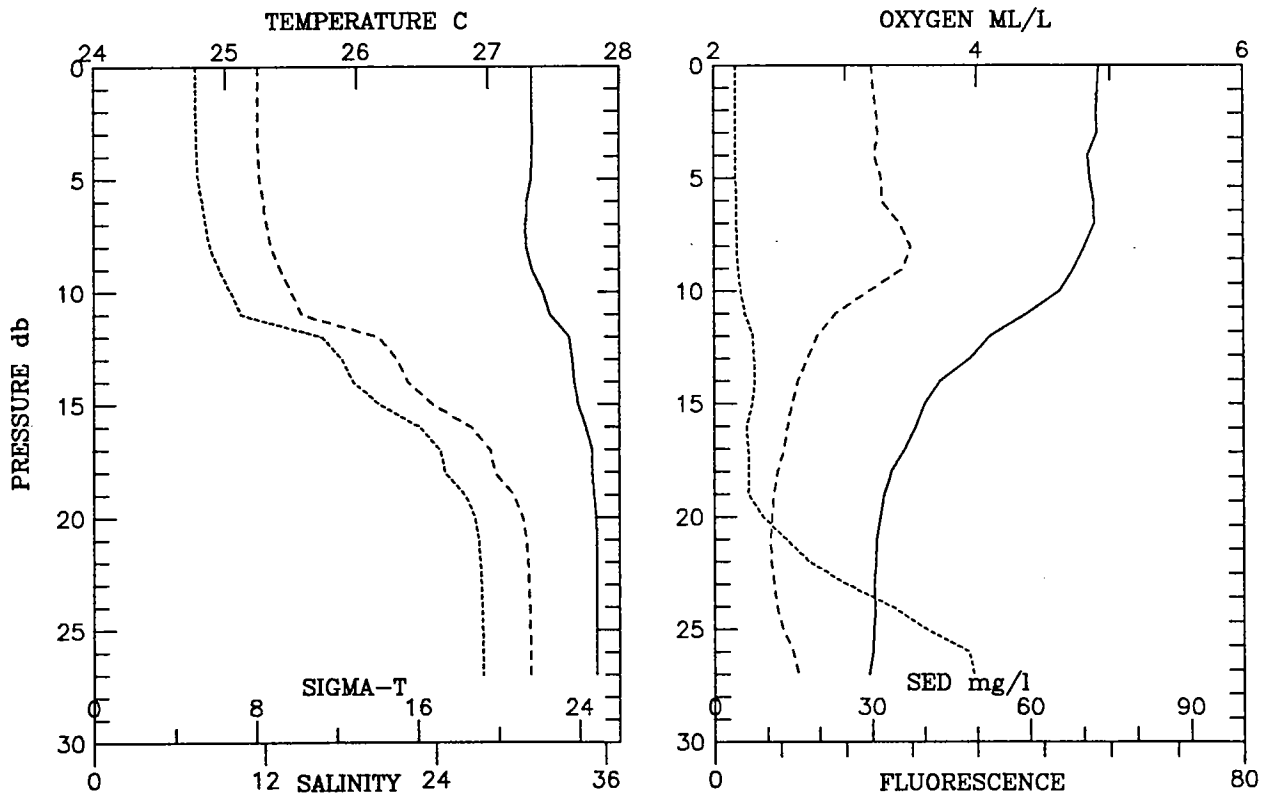
Cruise I9002 Leg 1 Station # 15 Depth m:63.5 Time: 1990-02-11 20:02  
 Position: 3° 23.45'N 49° 56.60'W Depth Deck Offset: -0.15 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.414	34.206	21.990	0.0000	4.559	14.5	4.3
5.0	27.409	34.207	21.992	0.0292	4.528	15.7	4.3
10.0	27.272	34.301	22.107	0.0582	4.519	17.6	4.4
15.0	27.004	35.279	22.929	0.0850	4.303	20.3	4.5
20.0	27.010	36.050	23.508	0.1084	4.175	11.9	4.5
25.0	27.142	36.249	23.615	0.1300	4.243	13.5	4.0
30.0	27.041	36.222	23.627	0.1515	4.177	9.7	4.2
35.0	26.535	36.206	23.777	0.1726	4.151	7.2	4.4
40.0	24.781	36.232	24.342	0.1922	4.049	4.8	6.7
45.0	24.230	36.223	24.501	0.2096	3.954	4.0	8.6
50.0	24.185	36.230	24.520	0.2268	3.925	4.9	12.7
54.0	24.162	36.233	24.529	0.2406	3.936	5.7	17.8



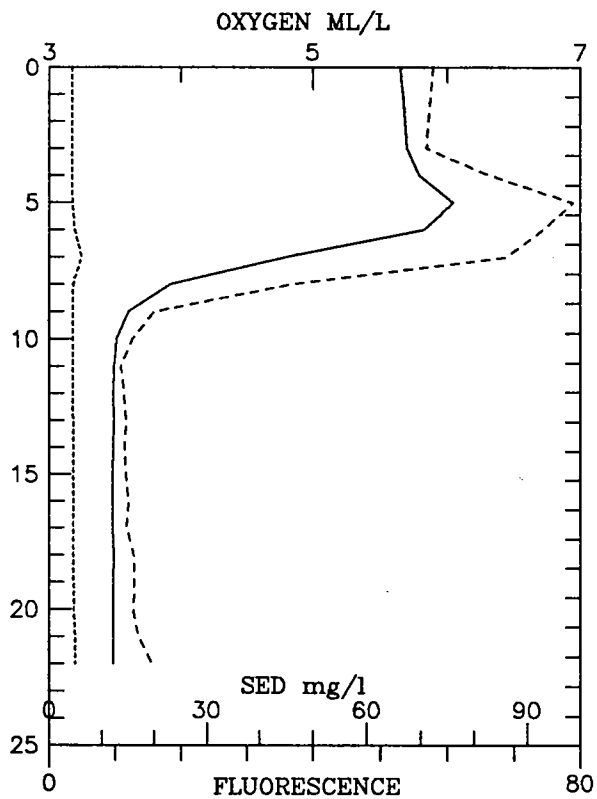
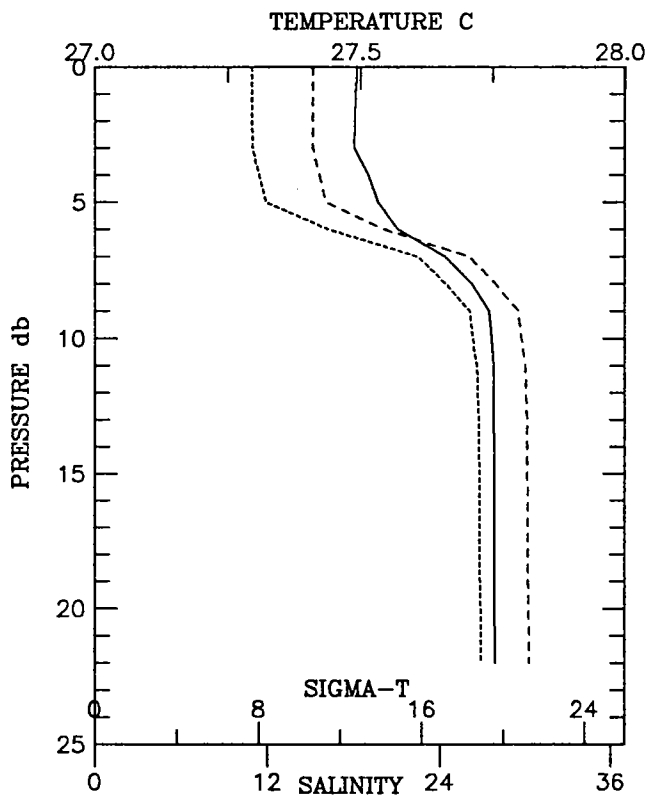
Cruise 19002 Leg 3 Station # 1 Depth m:29 Time: 1990-02-28 02:17  
 Position: 0° 6.60'S 47° 47.10'W Depth Deck Offset: 1.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.335	11.514	5.030	0.0000	4.918	24.0	4.1
2.0	27.335	11.514	5.030	0.0447	4.897	24.8	4.1
4.0	27.336	11.572	5.073	0.0894	4.838	24.5	4.1
6.0	27.297	11.932	5.353	0.1338	4.878	25.6	4.2
8.0	27.289	12.438	5.732	0.1775	4.811	29.9	4.3
10.0	27.417	13.883	6.772	0.2198	4.620	23.6	5.0
12.0	27.615	20.021	11.295	0.2584	4.102	15.7	7.3
14.0	27.651	22.071	12.816	0.2891	3.722	12.7	7.6
16.0	27.738	26.510	16.110	0.3156	3.535	11.1	6.1
18.0	27.791	28.178	17.342	0.3371	3.344	9.6	6.5
20.0	27.816	30.169	18.827	0.3560	3.265	8.7	9.2
22.0	27.823	30.515	19.085	0.3735	3.227	8.6	18.0
24.0	27.824	30.630	19.171	0.3907	3.219	9.5	33.7
26.0	27.824	30.683	19.210	0.4077	3.204	11.9	48.5
27.0	27.824	30.681	19.209	0.4163	3.176	12.7	49.4



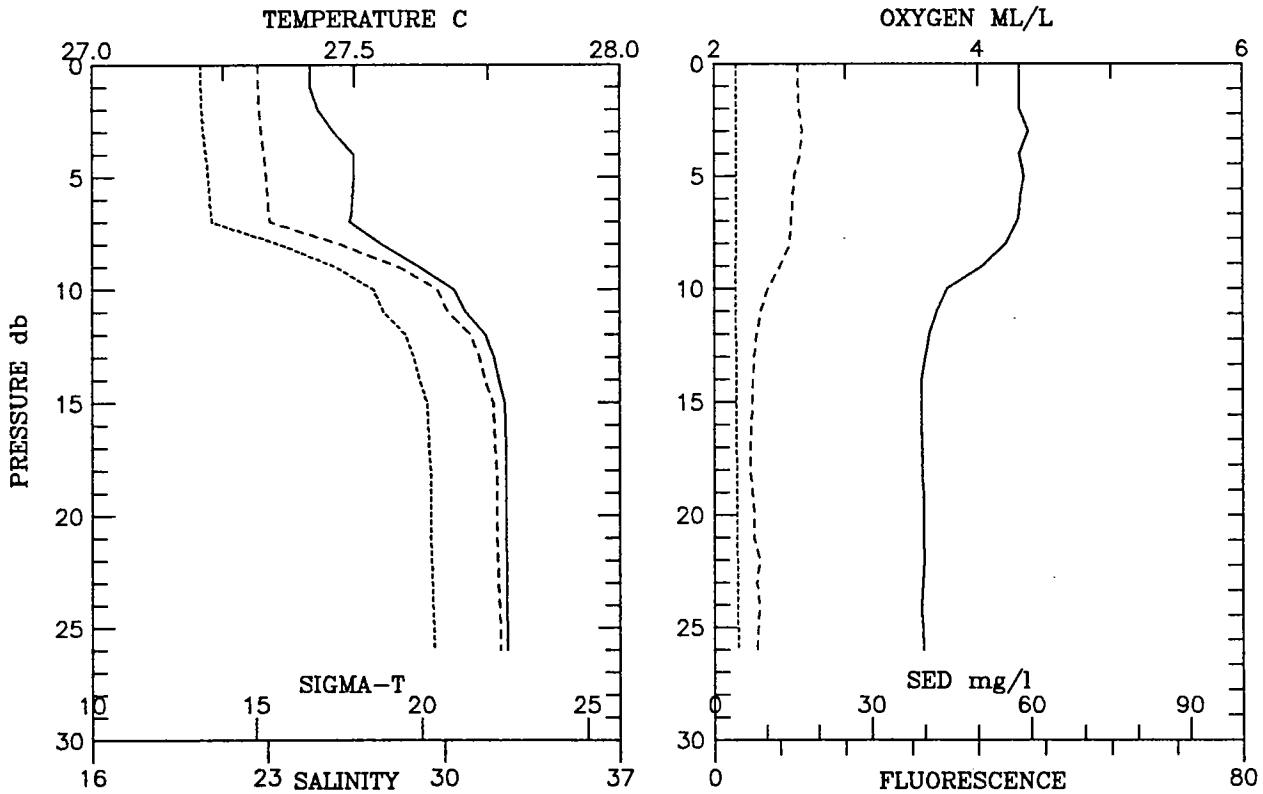
Cruise I9002 Leg 3 Station # 2 Depth m:24 Time: 1990-02-28 05:53  
 Position: 0° 12.57'N 47° 34.19'W Depth Deck Offset: 1.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.492	15.104	7.661	0.0000	5.653	57.9	4.3
2.0	* 27.489	15.127	7.679	0.0395	5.685	57.2	4.3
4.0	27.514	15.584	8.012	0.0788	5.794	66.4	4.3
6.0	27.570	20.141	11.398	0.1156	5.827	74.3	4.8
8.0	27.710	27.901	17.160	0.1407	3.922	36.8	4.5
10.0	27.747	29.692	18.492	0.1599	3.511	12.7	4.4
12.0	27.751	30.032	18.745	0.1780	3.489	11.4	4.4
14.0	27.752	30.115	18.807	0.1958	3.486	11.5	4.6
16.0	27.752	30.130	18.819	0.2136	3.484	12.1	4.6
18.0	27.752	30.140	18.826	0.2314	3.491	12.9	4.6
20.0	27.752	30.210	18.878	0.2491	3.488	12.8	4.7
22.0	27.753	30.242	18.902	0.2668	3.486	15.7	4.9



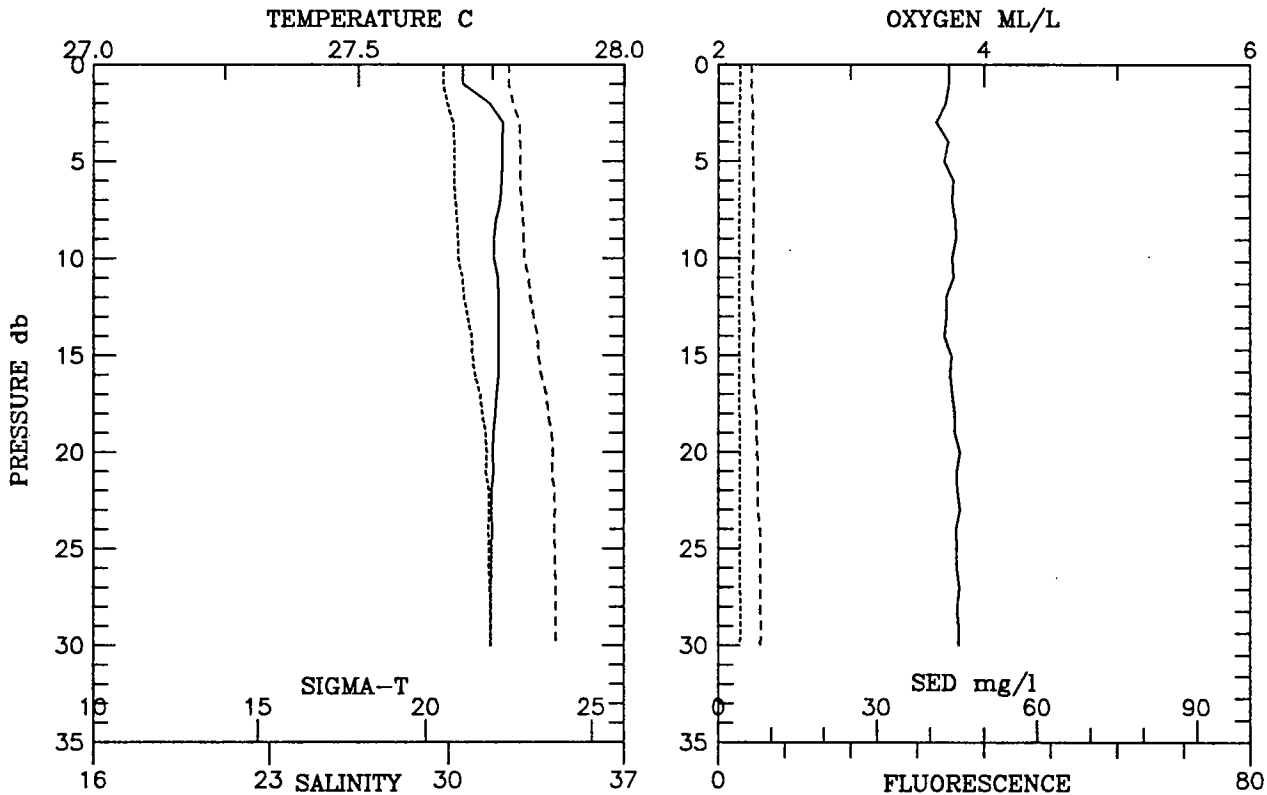
Cruise I9002 Leg 3 Station # 3 Depth m:30 Time: 1990-02-28 07:34  
 Position: 0° 19.10'N 47° 21.40'W Depth Deck Offset: -0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.416	22.660	13.328	0.0000	4.311	12.9	4.2
2.0		27.431	22.689	13.345	0.0284	4.311	13.0	4.2
4.0		27.498	22.890	13.475	0.0567	4.313	13.2	4.2
6.0		27.496	23.047	13.593	0.0847	4.318	12.0	4.2
8.0		27.550	25.951	15.750	0.1114	4.208	11.6	4.2
10.0		27.685	29.760	18.562	0.1322	3.767	8.2	4.1
12.0		27.745	31.067	19.524	0.1497	3.633	6.5	4.1
14.0		27.769	31.617	19.930	0.1657	3.573	5.9	4.2
16.0		27.781	31.974	20.194	0.1810	3.575	5.6	4.2
18.0		27.782	32.063	20.260	0.1961	3.581	5.5	4.3
20.0		27.782	32.075	20.269	0.2111	3.590	6.1	4.3
22.0		27.783	32.105	20.292	0.2260	3.594	6.9	4.4
24.0		27.784	32.163	20.335	0.2410	3.572	6.9	4.4
26.0		27.785	32.204	20.366	0.2558	3.587	6.5	4.5



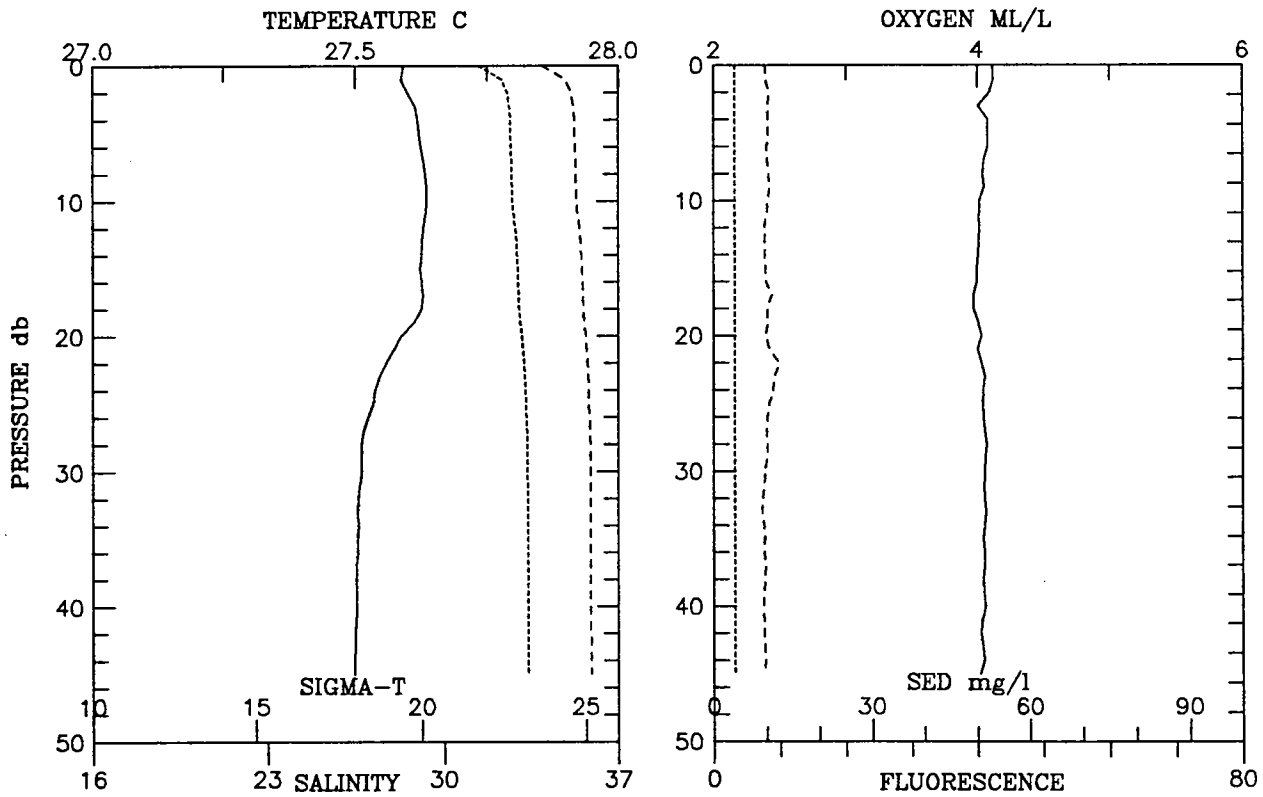
Cruise 19002 Leg 3 Station # 4 Depth m:39 Time: 1990-02-28 09:56  
 Position: 0° 32.20'N 47° 8.40'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.694	32.370	20.519	0.0000	3.739	5.0	4.1
2.0		27.743	32.546	20.636	0.0144	3.717	5.2	4.0
4.0		27.768	32.827	20.839	0.0284	3.733	5.2	4.0
6.0		27.767	32.831	20.842	0.0423	3.771	5.3	4.0
8.0		27.756	32.941	20.929	0.0561	3.786	5.3	4.0
10.0		27.752	32.993	20.969	0.0698	3.766	5.3	4.0
12.0		27.760	33.222	21.138	0.0833	3.718	5.1	4.0
14.0		27.760	33.520	21.362	0.0964	3.708	5.3	4.0
16.0		27.760	33.650	21.460	0.1092	3.751	5.3	4.0
18.0		27.755	33.942	21.681	0.1217	3.785	5.8	4.0
20.0		27.750	34.111	21.810	0.1338	3.821	5.9	4.1
22.0		27.748	34.190	21.870	0.1458	3.800	6.0	4.1
24.0		27.748	34.176	21.859	0.1577	3.793	6.3	4.1
26.0		27.747	34.210	21.885	0.1697	3.799	6.3	4.1
28.0		27.746	34.243	21.911	0.1815	3.803	6.4	4.2
30.0		27.746	34.242	21.910	0.1934	3.811	6.4	4.1



Cruise 19002 Leg 3 Station # 5 Depth m:59 Time: 1990-02-28 12:10  
 Position: 0° 44.70'N 46° 57.70'W Depth Deck Offset: 0.12 Fish 2

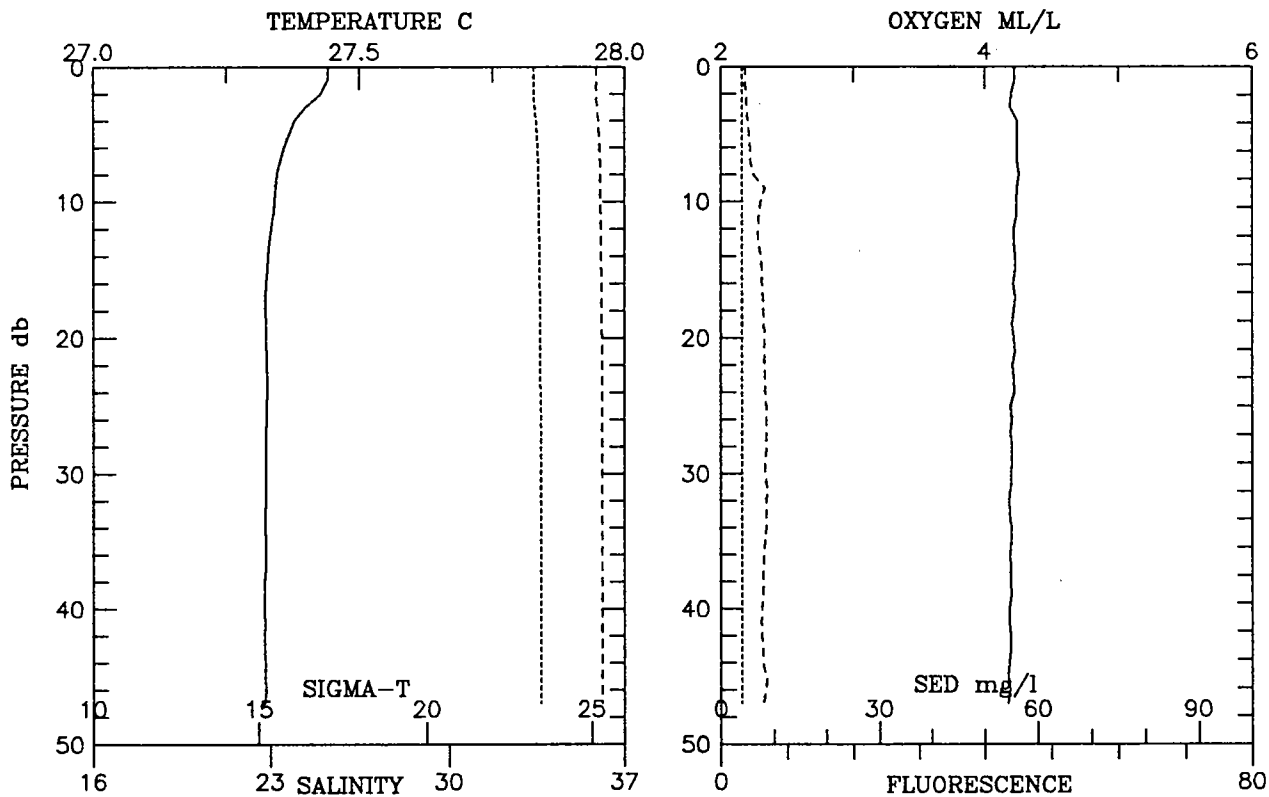
PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.591	33.930	21.725	0.0000	4.119	7.8	3.9
5.0	27.619	35.235	22.698	0.0267	4.080	8.2	4.0
10.0	27.634	35.312	22.751	0.0523	4.016	8.2	4.0
15.0	27.622	35.531	22.919	0.0774	3.994	7.8	4.0
20.0	27.585	35.680	23.044	0.1020	4.030	7.9	4.0
25.0	27.533	35.799	23.150	0.1259	4.042	8.4	4.0
30.0	27.511	35.852	23.197	0.1495	4.057	7.8	4.0
35.0	27.504	35.870	23.213	0.1729	4.046	7.7	4.0
40.0	27.501	35.876	23.219	0.1963	4.059	7.5	4.0
45.0	27.497	35.885	23.226	0.2197	4.022	7.7	4.0





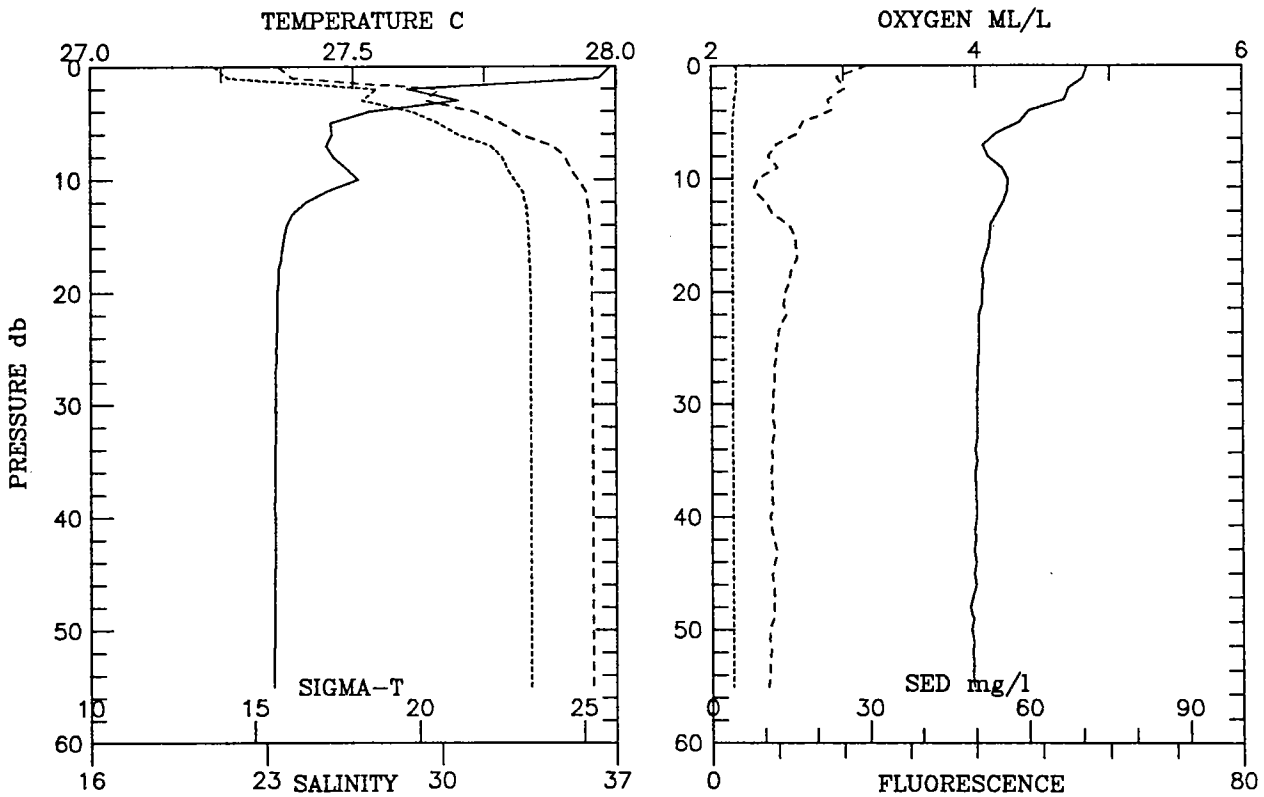
Cruise 19002 Leg 3 Station # 6 Depth m:52 Time: 1990-02-28 13:47  
 Position: 0° 54.00'N 46° 47.20'W Depth Deck Offset: 0.12 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.441	35.865	23.230	0.0000	4.224	3.6	4.0
5.0		27.368	35.967	23.330	0.0231	4.246	4.2	3.9
10.0		27.341	36.030	23.386	0.0457	4.238	6.0	3.9
15.0		27.328	36.057	23.411	0.0682	4.229	6.2	3.9
20.0		27.325	36.082	23.431	0.0906	4.220	6.6	3.9
25.0		27.327	36.092	23.438	0.1130	4.197	6.8	3.9
30.0		27.325	36.093	23.439	0.1353	4.199	6.7	3.9
35.0		27.325	36.100	23.444	0.1576	4.202	6.6	3.9
40.0		27.323	36.105	23.448	0.1799	4.186	6.2	3.9
45.0		27.324	36.104	23.447	0.2023	4.177	6.9	3.9
47.0		27.322	36.105	23.449	0.2112	4.177	6.4	3.9



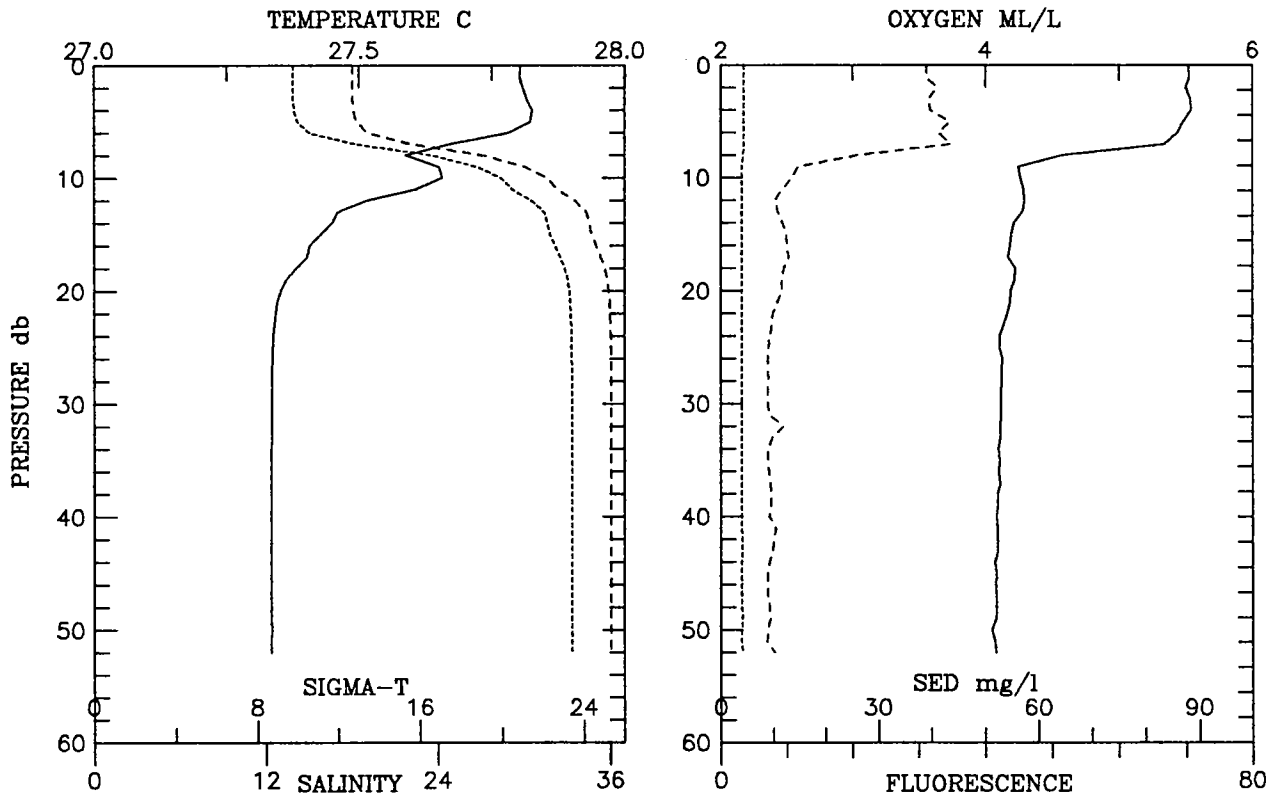
Cruise 19002 Leg 3 Station # 7 Depth m:59 Time: 1990-02-28 19:46  
 Position: 1° 41.33'N 47° 37.48'W Depth Deck Offset: 0.12 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.989	23.522	13.795	0.0000	4.834	23.6	4.6
5.0	27.458	32.395	20.614	0.0501	4.330	13.8	4.0
10.0	27.509	35.468	22.909	0.0790	4.241	6.9	3.9
15.0	27.368	35.968	23.331	0.1023	4.106	12.7	3.9
20.0	27.356	36.028	23.380	0.1250	4.048	11.2	3.9
25.0	27.353	36.039	23.389	0.1476	4.023	9.8	3.9
30.0	27.352	36.045	23.394	0.1701	4.009	9.3	3.9
35.0	27.351	36.048	23.397	0.1927	4.011	9.2	3.9
40.0	27.350	36.048	23.397	0.2152	4.004	8.8	3.9
45.0	27.350	36.049	23.398	0.2378	3.989	9.1	3.9
50.0	27.349	36.050	23.399	0.2604	3.967	8.6	3.9
55.0	27.349	36.050	23.399	0.2830	3.987	8.5	3.9



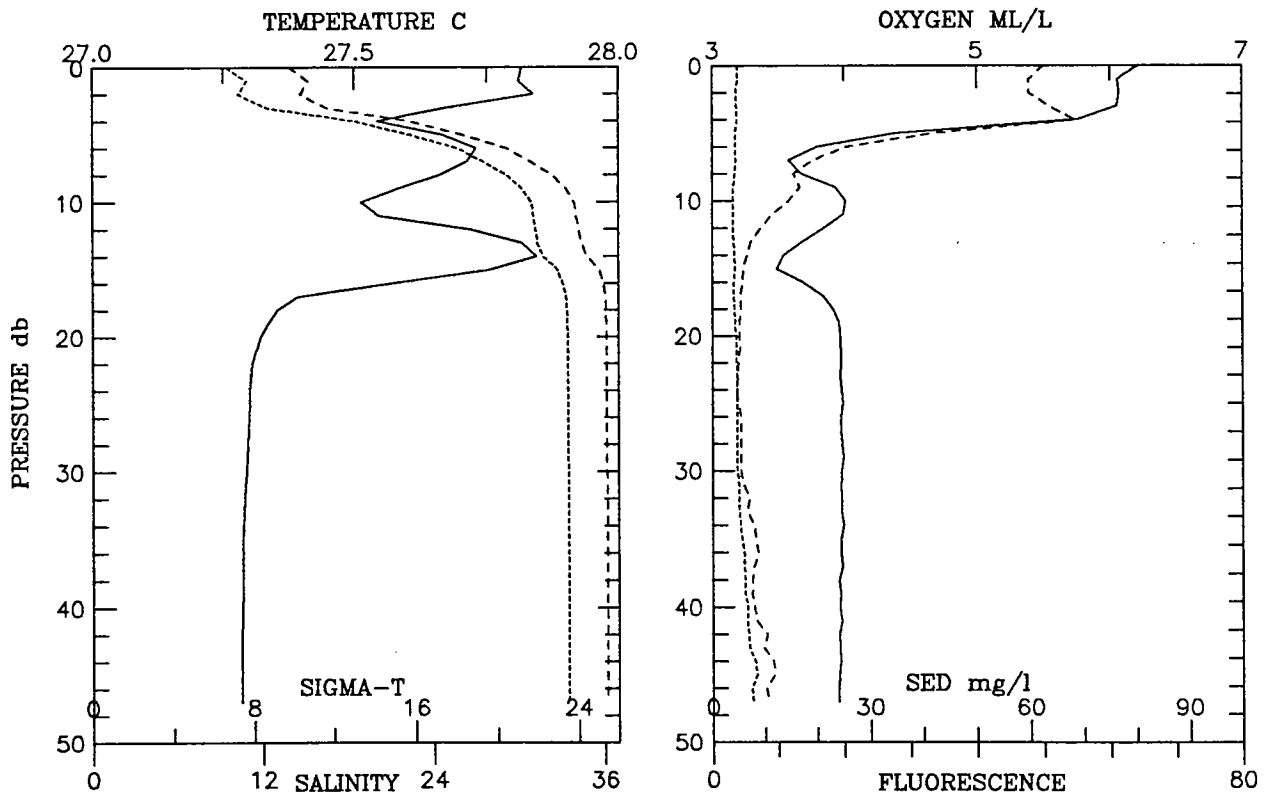
Cruise 19002 Leg 3 Station # 8 Depth m:57 Time: 1990-02-28 21:53  
 Position: 1° 30.38'N 47° 48.37'W Depth Deck Offset: 0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 27.802	18.022	9.745	0.0000	5.516	31.2	4.3
5.0	27.821	18.326	9.966	0.0884	5.475	34.7	4.3
10.0	27.657	31.583	19.940	0.1525	4.262	10.8	4.0
15.0	27.427	34.672	22.336	0.1843	4.195	9.9	3.9
20.0	27.351	35.859	23.254	0.2092	4.190	9.3	3.9
25.0	27.336	36.022	23.382	0.2320	4.109	7.2	4.0
30.0	27.335	36.032	23.390	0.2546	4.119	7.1	4.0
35.0	27.334	36.036	23.393	0.2771	4.108	7.1	4.0
40.0	27.334	36.036	23.393	0.2997	4.085	7.3	4.0
45.0	27.334	36.035	23.392	0.3223	4.083	7.1	4.0
50.0	27.334	36.036	23.393	0.3449	4.051	7.2	4.0
52.0	27.334	36.038	23.395	0.3540	4.079	8.2	4.1



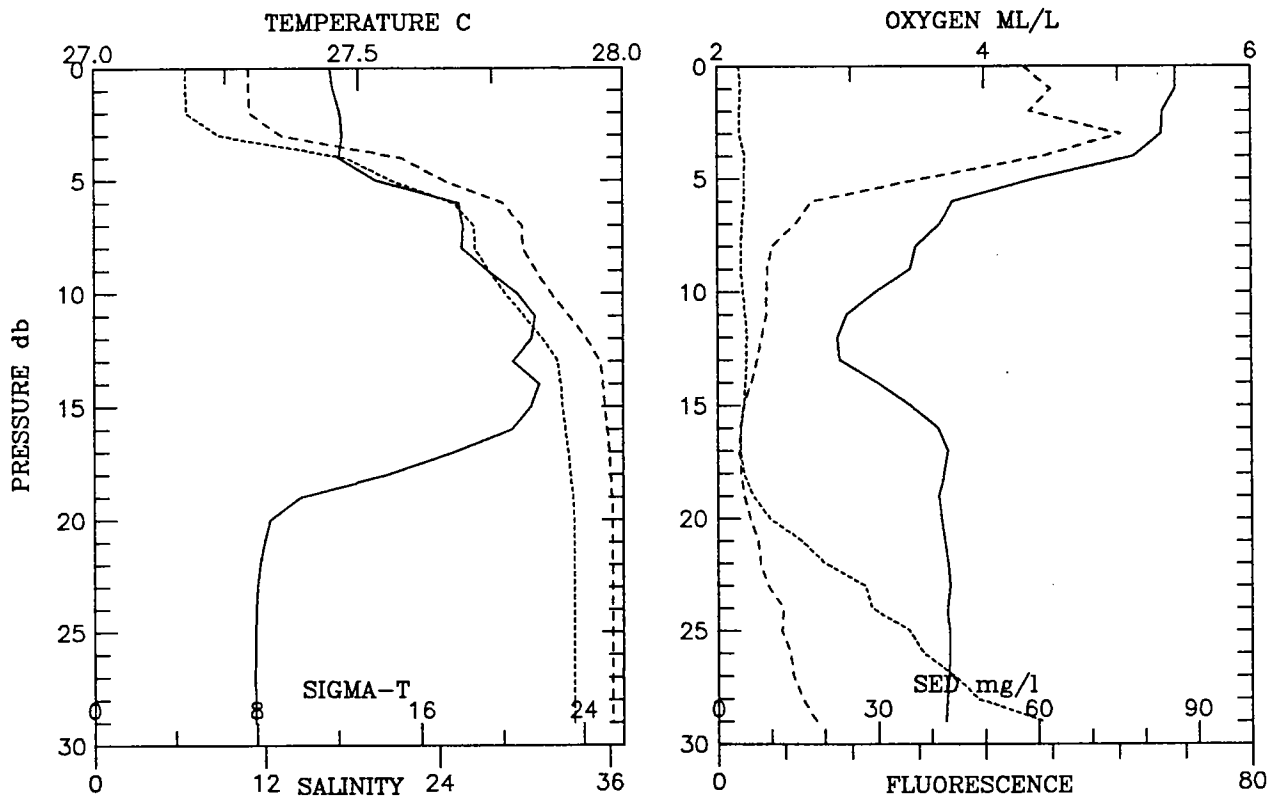
Cruise I9002 Leg 3 Station # 9 Depth m:50 Time: 1990-02-28 23:44  
 Position: 1° 18.70'N 48° 0.00'W Depth Deck Offset: -0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	27.815	13.924	6.684	0.0000	6.212	50.0	4.8
5.0	27.666	25.974	15.731	0.0894	4.392	33.3	4.4
10.0	27.514	33.849	21.689	0.1304	4.016	11.7	4.0
15.0	27.754	35.640	22.959	0.1594	3.494	4.7	4.3
20.0	27.320	36.110	23.453	0.1822	3.973	4.1	4.5
25.0	27.299	36.130	23.475	0.2044	3.993	3.9	4.7
30.0	27.294	36.136	23.481	0.2265	3.983	4.3	4.7
35.0	27.286	36.144	23.490	0.2486	3.977	6.6	5.6
40.0	27.285	36.143	23.489	0.2707	3.968	6.4	6.6
45.0	27.284	36.146	23.492	0.2929	3.965	9.4	8.4
47.0	27.285	36.145	23.491	0.3017	3.957	8.6	7.7



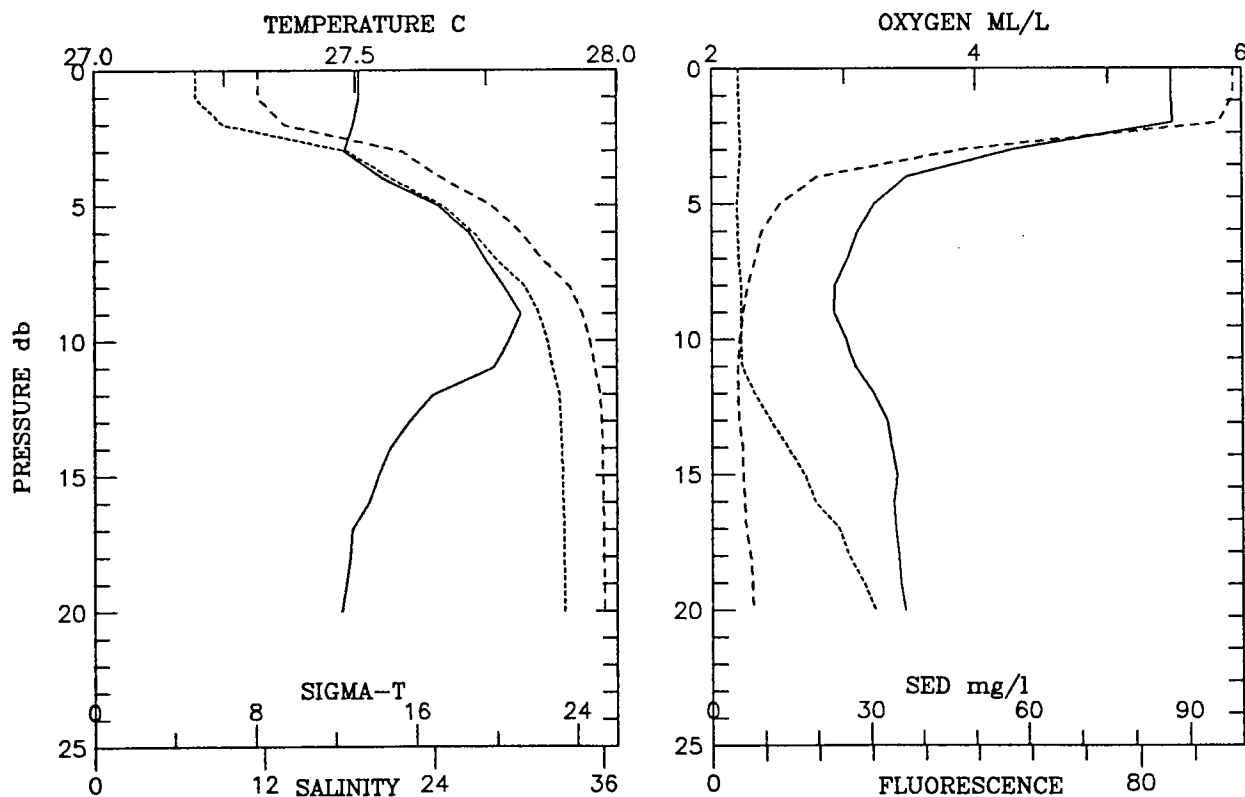
Cruise I9002 Leg 3 Station # 10 Depth m:34 Time: 1990-03-01 01:18  
 Position: 1° 9.10'N 48° 11.80'W Depth Deck Offset: -0.10 Fish 2

PRESSURE (d-bars)	Interp (deg C)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	27.447	10.921	4.554	0.0000	5.430	45.9	4.1	
2.0	27.466	10.977	4.591	0.0456	5.336	46.8	4.2	
4.0	27.464	21.478	12.430	0.0857	5.121	48.7	5.2	
6.0	27.688	28.506	17.621	0.1113	3.762	14.2	5.0	
8.0	27.692	29.870	18.642	0.1299	3.485	8.1	4.4	
10.0	27.797	31.889	20.125	0.1467	3.186	7.4	4.8	
12.0	27.824	34.371	21.982	0.1601	2.901	6.6	5.5	
14.0	27.838	35.555	22.867	0.1707	3.195	5.1	5.2	
16.0	27.785	35.834	23.095	0.1805	3.651	3.4	4.3	
18.0	27.552	36.068	23.347	0.1898	3.697	3.5	4.9	
20.0	27.334	36.200	23.517	0.1987	3.679	4.9	9.8	
22.0	27.314	36.209	23.530	0.2075	3.723	6.4	20.1	
24.0	27.307	36.213	23.535	0.2162	3.719	9.8	28.8	
26.0	27.306	36.213	23.536	0.2250	3.737	10.9	38.5	
28.0	27.306	36.213	23.536	0.2337	3.713	12.7	48.7	
29.0	27.306	36.213	23.535	0.2381	3.705	14.7	61.1	



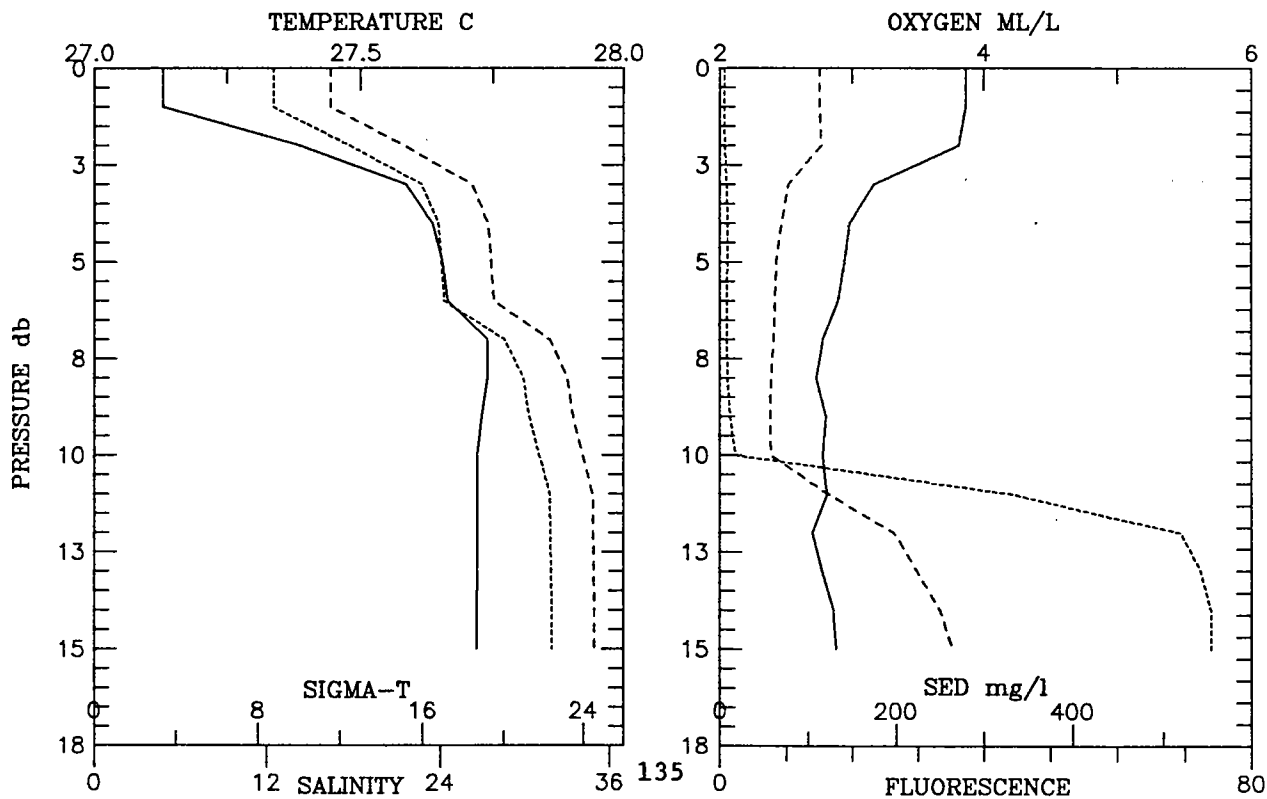
Cruise 19002 Leg 3 Station # 11 Depth m:25 Time: 1990-03-01 03:39  
 Position: 1° 3.40'N 48° 16.14'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.507	11.626	5.063	0.0000	5.469	97.4	5.1
1.0		27.506	11.626	5.063	0.0223	5.470	97.4	5.1
2.0		27.496	13.468	6.439	0.0440	5.481	94.7	5.2
3.0		27.479	21.802	12.667	0.0619	4.294	46.8	5.4
4.0		27.552	24.660	14.783	0.0757	3.476	19.6	5.1
5.0		27.659	28.133	17.351	0.0872	3.227	12.7	4.8
6.0		27.718	30.168	18.858	0.0968	3.103	9.3	4.9
7.0		27.748	31.742	20.030	0.1051	3.027	8.2	5.1
8.0		27.783	33.636	21.442	0.1121	2.929	6.7	5.5
9.0		27.815	34.542	22.113	0.1182	2.927	5.8	5.5
10.0		27.792	35.078	22.524	0.1237	3.018	5.2	5.5
11.0		27.762	35.404	22.779	0.1289	3.082	4.9	5.7
12.0		27.647	35.796	23.111	0.1339	3.223	4.8	8.1
13.0		27.602	35.873	23.183	0.1386	3.327	5.0	11.1
14.0		27.564	35.933	23.241	0.1433	3.358	5.7	14.3
15.0		27.542	35.960	23.268	0.1479	3.398	5.8	17.5
16.0		27.524	35.985	23.293	0.1525	3.376	6.1	19.5
17.0		27.492	36.033	23.340	0.1571	3.392	6.3	24.1
18.0		27.489	36.038	23.344	0.1616	3.415	7.2	25.9
19.0		27.481	36.052	23.357	0.1662	3.429	7.5	28.7
20.0		27.473	36.069	23.373	0.1707	3.462	7.6	30.9



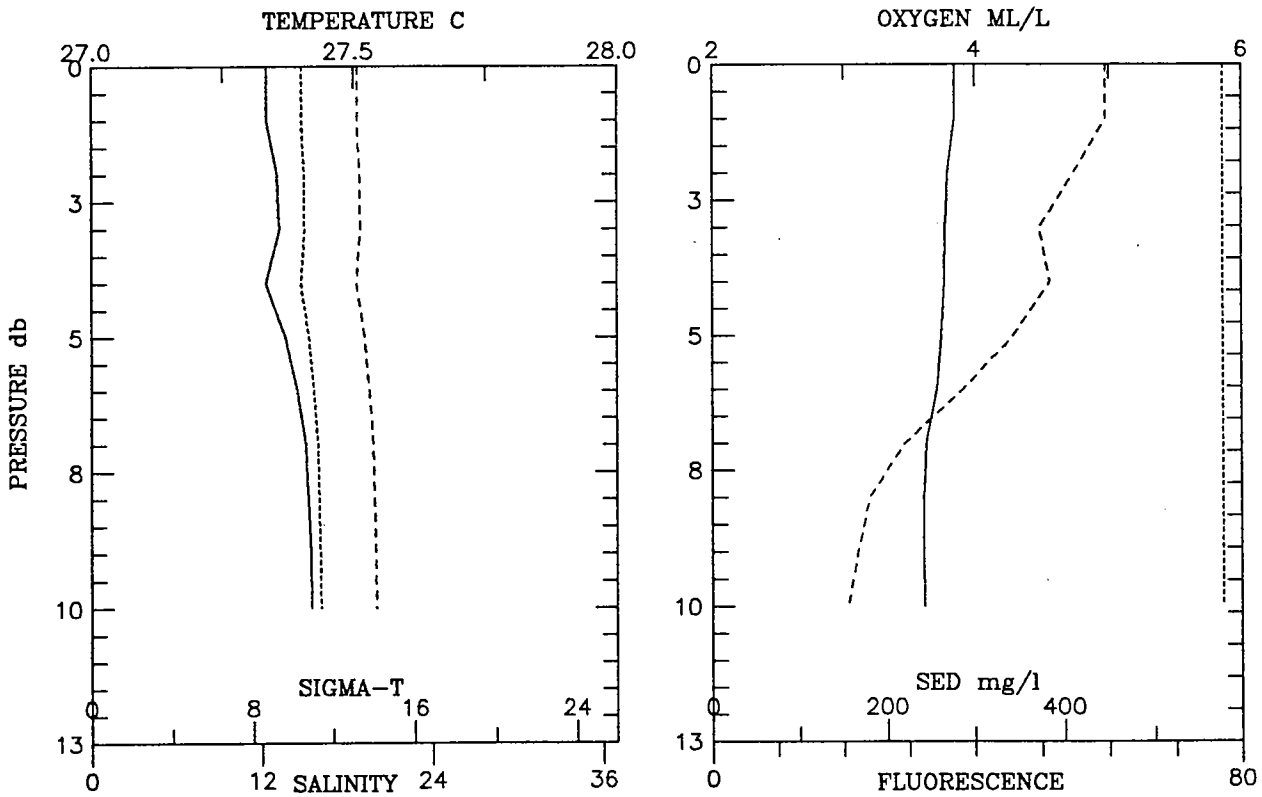
Cruise I9002 Leg 3 Station # 12 Depth m:19 Time: 1990-03-01 05:11  
 Position: 0° 57.92'N 48° 21.79'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (mL/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.130	16.420	8.752	0.0000	3.863	15.1	4.8
1.0		27.130	16.419	8.751	0.0187	3.863	15.1	4.8
2.0		27.387	21.524	12.488	0.0355	3.812	15.4	5.2
3.0		27.585	26.263	15.973	0.0489	3.168	10.3	7.3
4.0		27.635	27.382	16.795	0.0601	2.982	9.3	8.4
5.0		27.654	27.583	16.940	0.0709	2.944	8.5	8.1
6.0		27.664	27.769	17.076	0.0815	2.897	8.3	7.5
7.0		27.738	31.757	20.045	0.0906	2.781	8.1	7.5
8.0		27.739	33.023	20.996	0.0979	2.729	7.7	8.4
9.0		27.728	33.407	21.288	0.1045	2.805	7.6	11.5
10.0		27.719	34.074	21.792	0.1108	2.776	7.7	17.4
11.0		27.720	34.798	22.336	0.1166	2.811	16.4	332.1
12.0		27.720	34.819	22.352	0.1221	2.700	26.4	519.4
13.0		27.719	34.870	22.391	0.1276	2.774	29.9	542.0
14.0		27.719	34.901	22.414	0.1330	2.860	33.4	553.6
15.0		27.719	34.904	22.417	0.1385	2.879	35.3	553.6



Cruise I9002 Leg 3 Station # 13 Depth m:13 Time: 1990-03-01 07:53  
 Position: 0° 43.60'N 48° 32.30'W Depth Deck Offset: -0.13 Fish 2

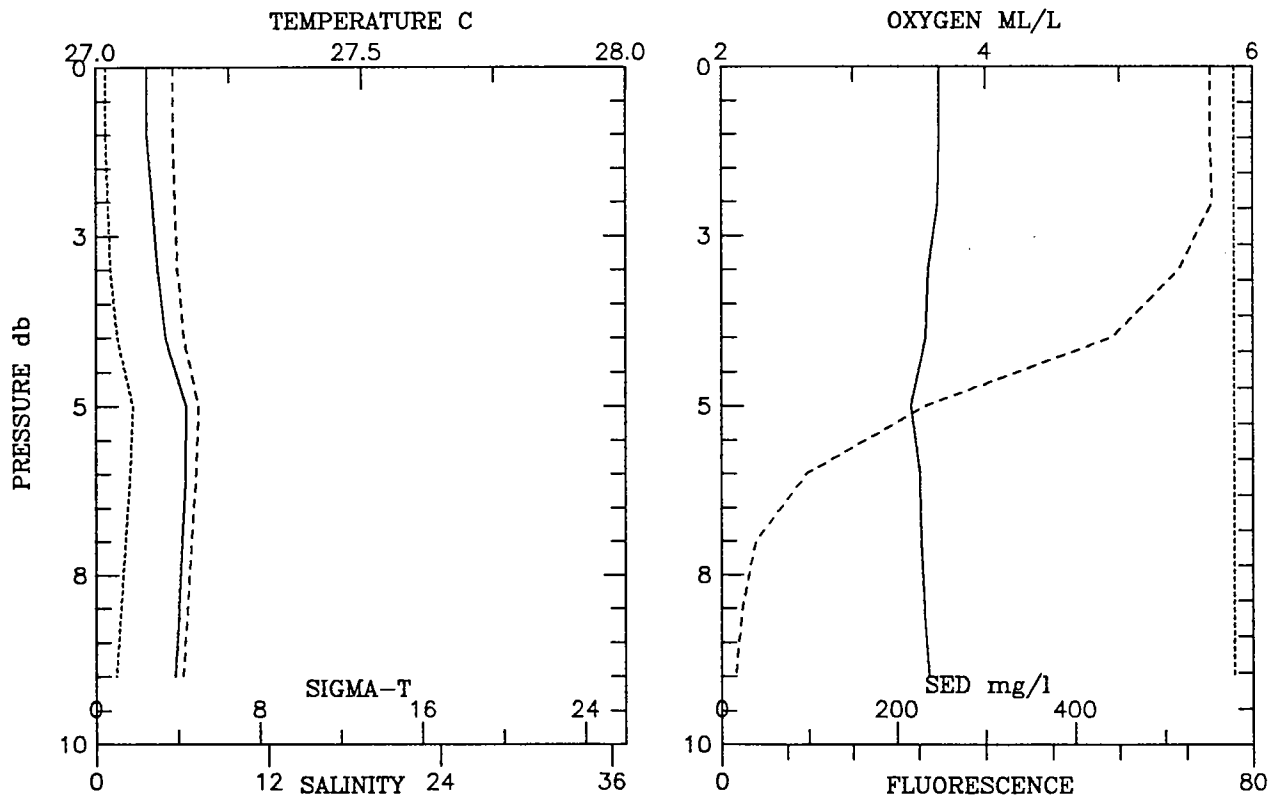
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.334	18.743	10.426	0.0000	3.851	59.5	577.7
1.0		27.333	18.743	10.426	0.0170	3.852	59.5	577.7
2.0		27.354	18.928	10.558	0.0340	3.796	54.8	577.7
3.0		27.358	18.967	10.585	0.0509	3.778	49.7	577.7
4.0		27.333	18.706	10.398	0.0679	3.771	51.3	577.7
5.0		27.369	19.245	10.790	0.0848	3.750	45.8	577.7
6.0		27.393	19.593	11.043	0.1013	3.716	38.3	577.7
7.0		27.409	19.839	11.222	0.1177	3.635	29.4	577.7
8.0		27.413	19.922	11.282	0.1339	3.612	24.0	577.7
9.0		27.418	20.009	11.346	0.1501	3.614	22.2	577.7
10.0		27.420	20.048	11.374	0.1662	3.616	20.7	577.7





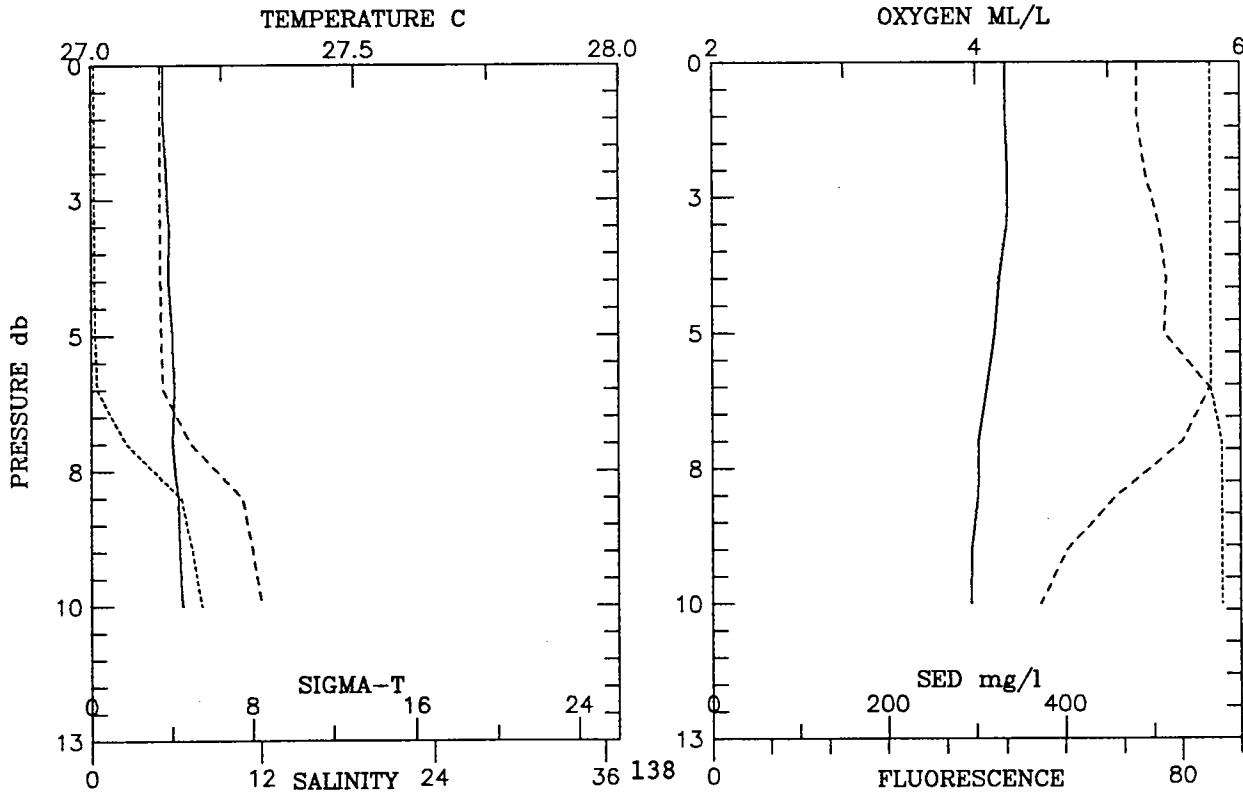
Cruise 19002 Leg 3 Station # 14 Depth m:12 Time: 1990-03-01 13:07  
 Position: 1° 11.00'N 48° 48.10'W Depth Deck Offset: -0.20 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.095	5.332	0.485	0.0000	3.656	73.6	577.7
1.0		27.095	5.332	0.485	0.0269	3.656	73.6	577.7
2.0		27.106	5.473	0.587	0.0537	3.649	73.9	577.7
3.0		27.115	5.637	0.707	0.0804	3.572	68.9	577.7
4.0		27.130	6.089	1.041	0.1069	3.553	58.9	577.7
5.0		27.169	7.113	1.794	0.1328	3.443	31.1	577.7
6.0		27.168	6.936	1.663	0.1585	3.510	13.0	577.7
7.0		27.162	6.638	1.442	0.1843	3.519	5.2	577.7
8.0		27.155	6.347	1.227	0.2103	3.545	3.1	577.7
9.0		27.149	6.031	0.992	0.2365	3.578	2.1	577.7



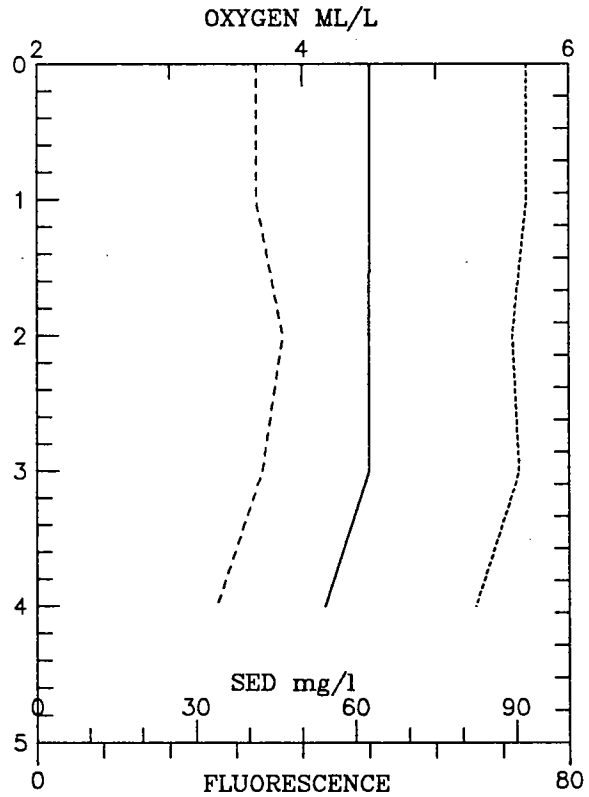
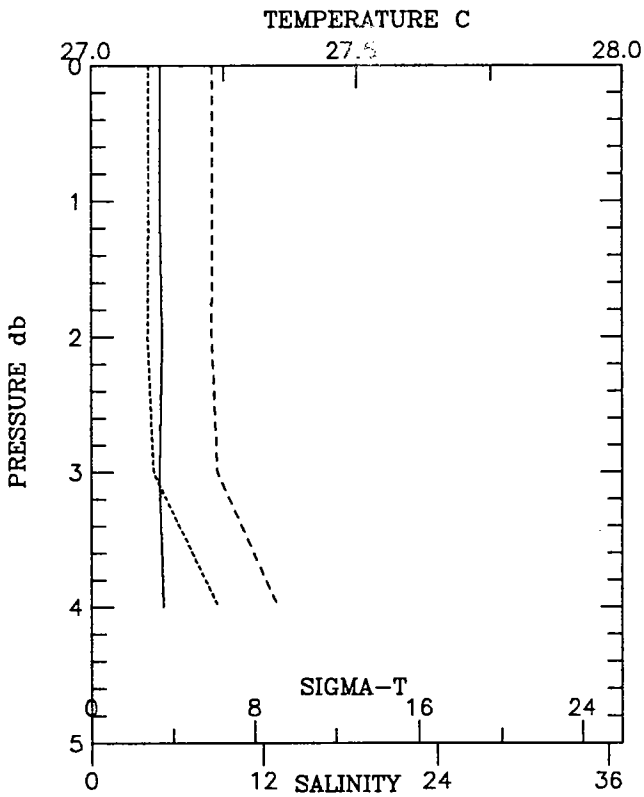
Cruise I9002 Leg 3 Station # 15 Depth m:13 Time: 1990-03-01 16:26  
 Position: 1° 28.50'N 49° 23.80'W Depth Deck Offset: -0.20 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.139	4.901	0.151	0.0000	4.225	72.4	565.5
1.0	27.138	4.901	0.151	0.0272	4.226	72.4	565.5
2.0	27.144	4.903	0.151	0.0544	4.238	73.7	565.5
3.0	27.149	4.906	0.152	0.0816	4.232	76.1	565.5
4.0	27.148	4.909	0.154	0.1088	4.176	77.4	565.5
5.0	27.155	4.980	0.205	0.1360	4.143	77.0	565.5
6.0	27.159	5.079	0.278	0.1631	4.081	84.8	565.5
7.0	27.155	7.065	1.763	0.1895	4.019	80.1	577.7
8.0	27.166	10.695	4.468	0.2137	4.017	68.8	577.7
9.0	27.169	11.443	5.025	0.2363	3.970	60.4	577.7
10.0	27.173	12.064	5.487	0.2585	3.960	55.9	577.7



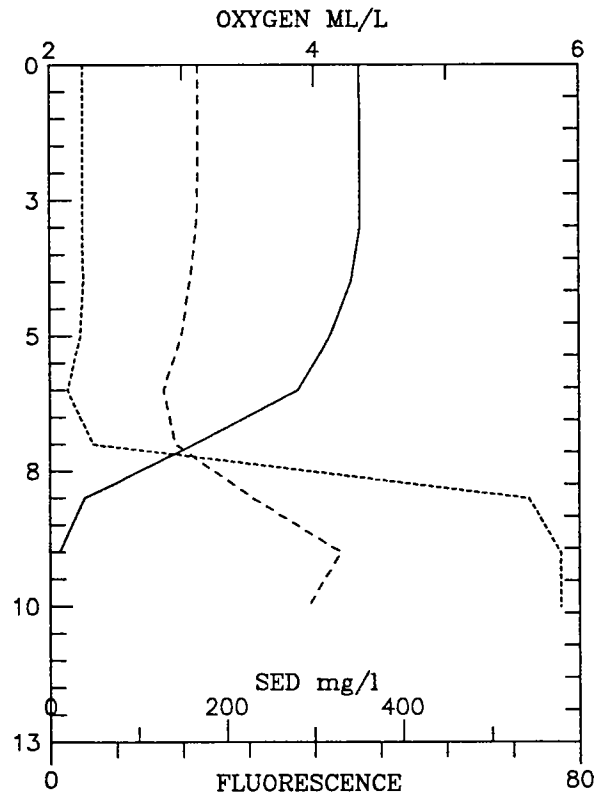
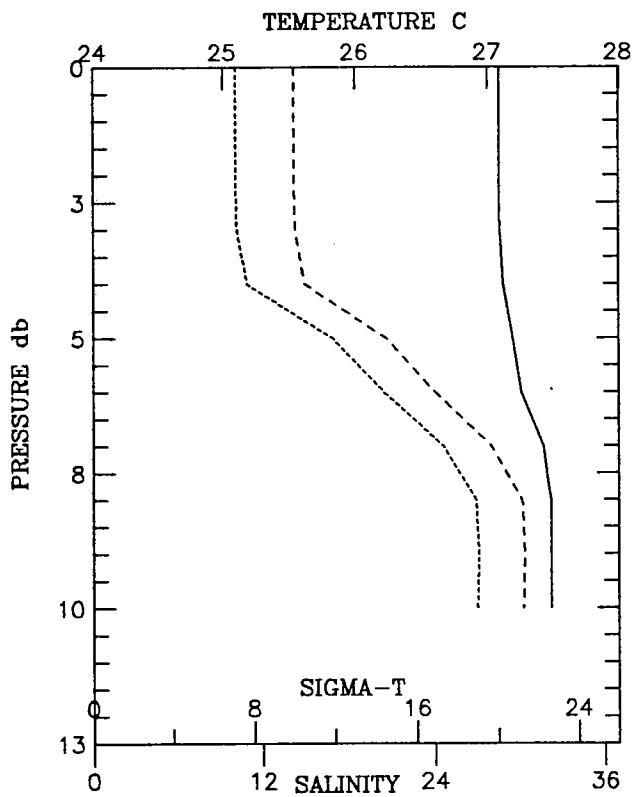
Cruise 19002 Leg 3 Station # 16 Depth m:9 Time: 1990-03-01 18:36  
 Position: 1° 39.60'N 49° 13.10'W Depth Deck Offset: -0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.131	8.451	2.804	0.0000	4.504	33.1	92.0
1.0	27.131	8.451	2.804	0.0246	4.505	33.1	92.0
2.0	27.134	8.400	2.765	0.0491	4.500	37.1	89.3
3.0	27.129	8.781	3.051	0.0736	4.500	34.0	90.6
4.0	27.136	13.051	6.234	0.0963	4.171	27.1	82.4



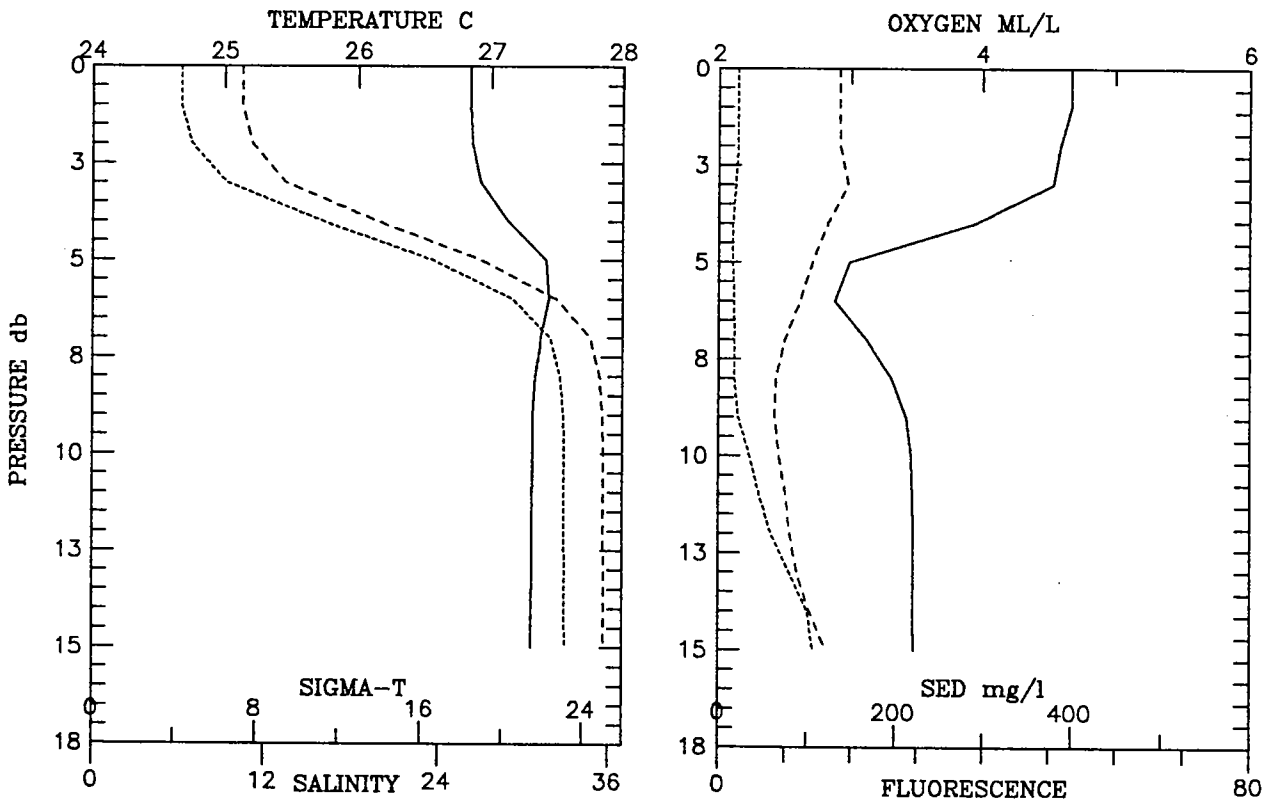
Cruise I9002 Leg 3 Station # 17 Depth m:13 Time: 1990-03-01 20:16  
 Position: 1° 53.30'N 48° 58.70'W Depth Deck Offset: 0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.088	14.213	7.116	0.0000	4.348	22.5	37.3
1.0	E	27.088	14.213	7.116	0.0203	4.349	22.5	37.3
2.0		27.088	14.213	7.116	0.0406	4.349	22.5	37.3
3.0		27.092	14.306	7.184	0.0608	4.351	22.2	37.2
4.0		27.116	14.973	7.675	0.0808	4.283	21.2	37.9
5.0		27.188	20.634	11.883	0.0985	4.120	19.9	34.5
6.0		27.250	24.044	14.415	0.1129	3.879	17.2	19.8
7.0		27.420	27.965	17.300	0.1246	3.092	19.0	49.0
8.0		27.481	30.117	18.895	0.1342	2.261	30.7	542.0
9.0		27.481	30.281	19.019	0.1430	2.072	44.0	577.7
10.0		27.479	30.208	18.964	0.1517	1.998	39.1	577.7



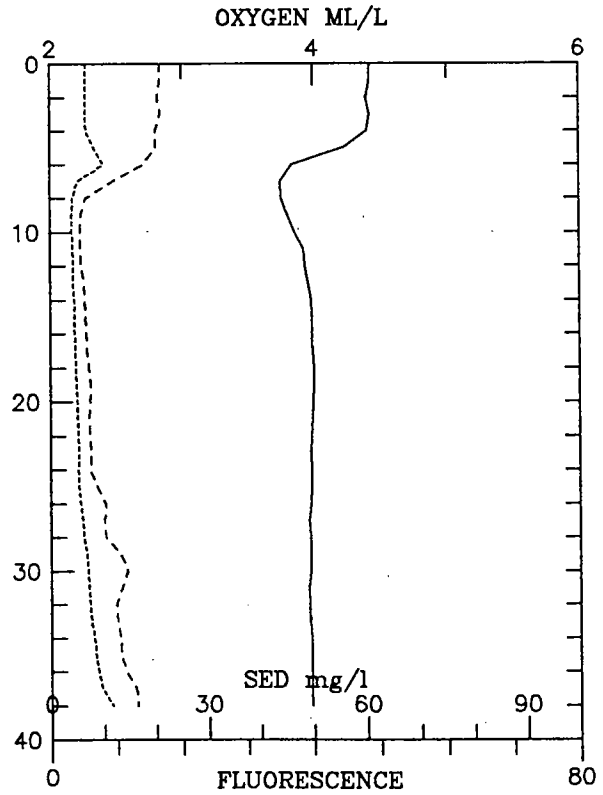
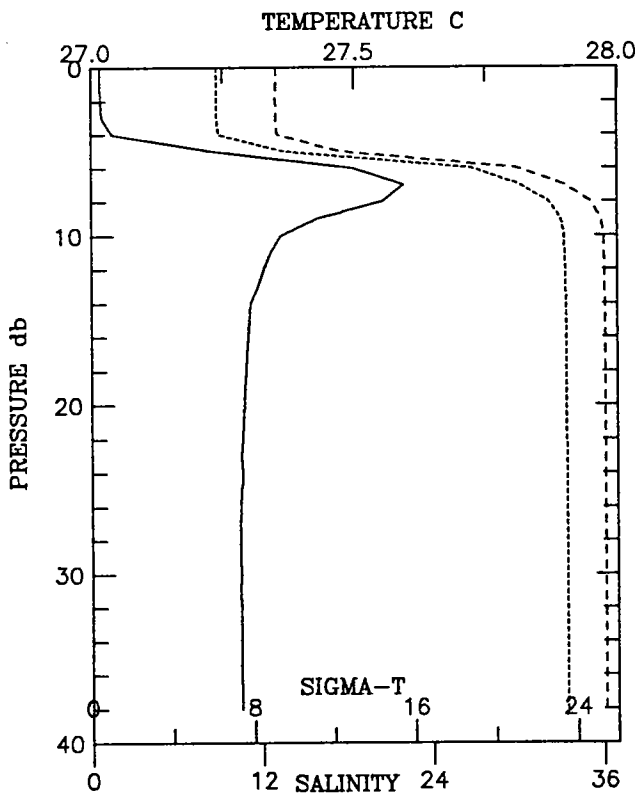
Cruise 19002 Leg 3 Station # 18 Depth m:21 Time: 1990-03-01 22:25  
 Position: 2° 4.20'N 48° 52.50'W Depth Deck Offset: -0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.837	10.460	4.388	0.0000	4.671	18.3	21.4
1.0		26.836	10.460	4.388	0.0230	4.671	18.3	21.4
2.0		26.854	11.138	4.889	0.0457	4.587	18.4	21.5
3.0		26.918	13.428	6.580	0.0674	4.534	19.6	19.1
4.0		27.125	19.748	11.239	0.0859	3.939	16.5	15.7
5.0		27.416	27.033	16.602	0.0996	2.991	14.2	15.8
6.0		27.433	32.283	20.538	0.1087	2.883	12.3	17.3
7.0		27.371	34.708	22.381	0.1150	3.122	10.0	17.8
8.0		27.333	35.364	22.887	0.1203	3.311	8.7	17.9
9.0		27.316	35.573	23.050	0.1252	3.426	8.5	22.3
10.0		27.311	35.623	23.089	0.1300	3.460	9.2	35.4
11.0		27.310	35.631	23.096	0.1348	3.472	10.2	46.2
12.0		27.309	35.634	23.098	0.1395	3.477	10.8	59.7
13.0		27.307	35.642	23.105	0.1443	3.475	11.9	80.3
14.0		27.305	35.660	23.119	0.1491	3.479	13.8	100.8
15.0		27.304	35.689	23.141	0.1539	3.481	16.4	107.5



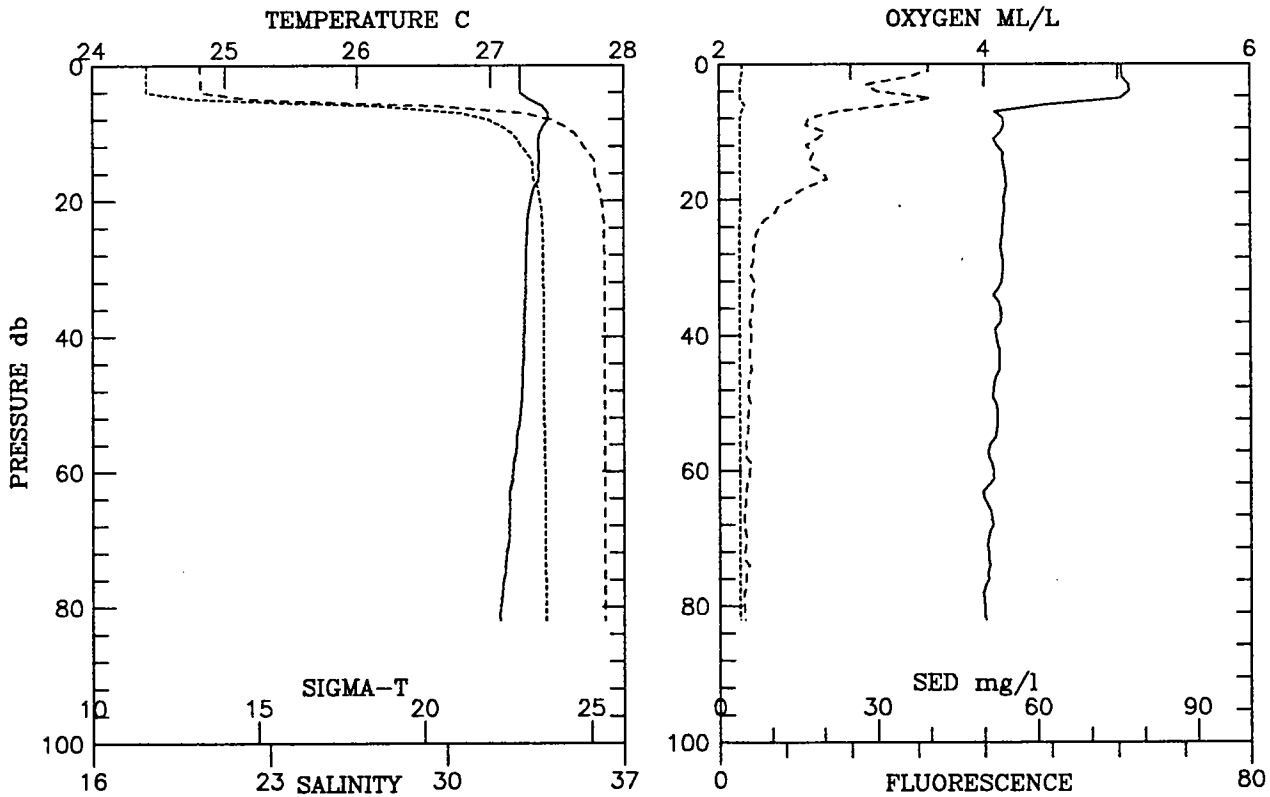
Cruise I9002 Leg 3 Station # 19 Depth m:40 Time: 1990-03-02 00:37  
 Position: 2° 14.80'N 48° 40.80'W Depth Deck Offset: -0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 27.018	12.988	6.222	0.0000	4.423	16.8	6.7
2.0	27.018	12.986	6.220	0.0423	4.400	16.4	6.7
4.0	27.041	13.108	6.305	0.0846	4.405	16.1	6.8
6.0	27.498	29.956	18.769	0.1175	3.840	14.2	10.1
8.0	27.555	35.084	22.605	0.1312	3.758	5.4	4.2
10.0	27.361	36.013	23.367	0.1408	3.862	4.5	4.1
12.0	27.328	36.074	23.424	0.1498	3.937	4.7	4.3
14.0	27.302	36.110	23.459	0.1587	3.985	5.2	4.5
16.0	27.297	36.122	23.470	0.1676	3.992	5.4	4.6
18.0	27.294	36.129	23.476	0.1764	4.004	5.8	4.8
20.0	27.290	36.131	23.479	0.1853	4.003	6.0	5.0
22.0	27.286	36.131	23.480	0.1941	3.989	5.9	5.2
24.0	27.286	36.133	23.482	0.2030	3.987	6.0	5.2
26.0	27.282	36.132	23.482	0.2118	3.982	8.3	5.6
28.0	27.282	36.132	23.482	0.2207	3.978	8.3	6.2
30.0	27.282	36.134	23.484	0.2295	3.978	11.6	7.0
32.0	27.282	36.133	23.483	0.2384	3.968	9.9	7.3
34.0	27.283	36.133	23.483	0.2472	3.980	10.5	8.1
36.0	27.283	36.133	23.483	0.2561	3.980	11.4	8.9
38.0	27.284	36.131	23.481	0.2649	3.988	13.1	11.6



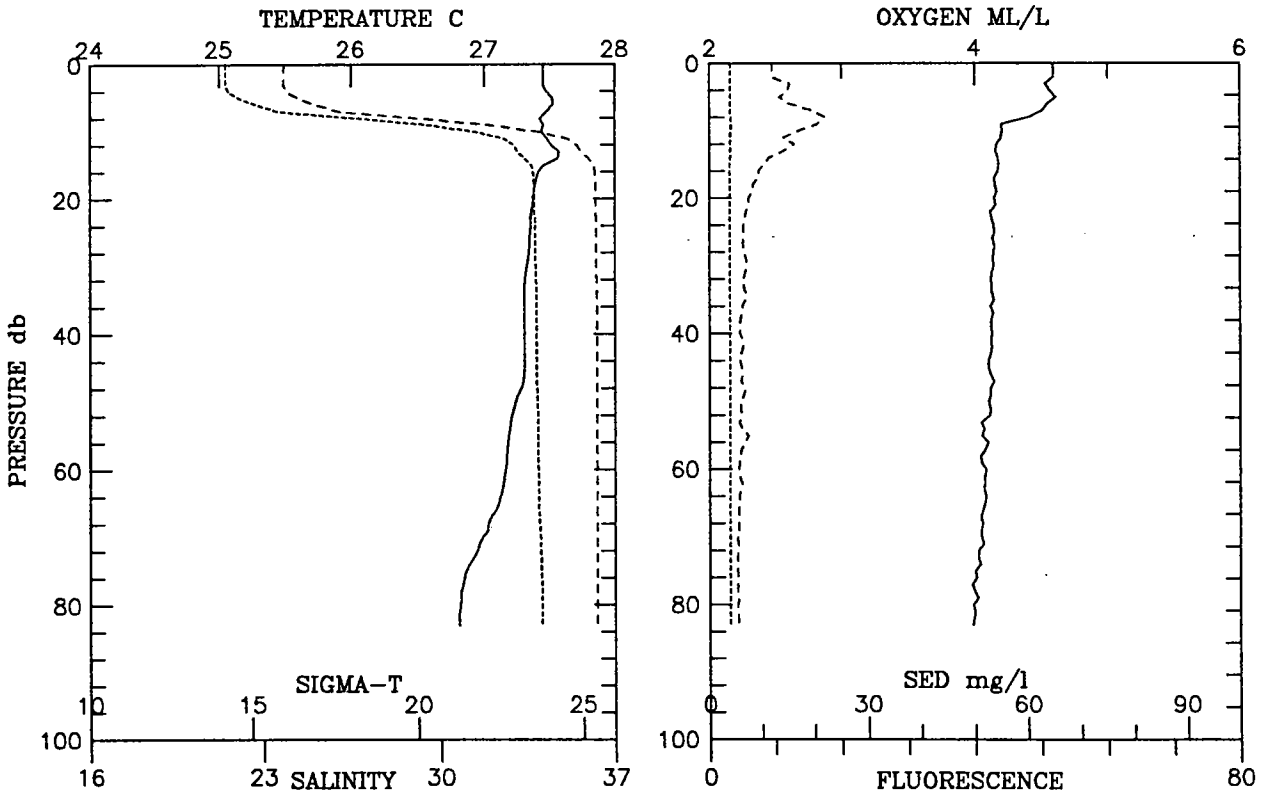
Cruise 19002 Leg 3 Station # 20 Depth m:86 Time: 1990-03-02 03:30  
 Position: 2° 26.90'N 48° 27.70'W Depth Deck Offset: -0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.216	20.272	11.604	0.0000	5.030	31.7	4.3
5.0	27.286	22.258	13.067	0.0787	5.021	32.1	4.0
10.0	27.360	35.018	22.618	0.1158	4.126	16.2	3.9
15.0	27.354	35.841	23.240	0.1403	4.148	13.9	3.9
20.0	27.295	36.118	23.467	0.1631	4.147	10.9	3.9
25.0	27.265	36.203	23.541	0.1850	4.137	5.6	3.8
30.0	27.258	36.213	23.551	0.2068	4.141	4.9	3.8
35.0	27.253	36.217	23.556	0.2286	4.106	4.9	3.8
40.0	27.242	36.220	23.561	0.2504	4.089	4.8	3.8
45.0	27.233	36.222	23.566	0.2722	4.111	4.9	3.8
50.0	27.223	36.223	23.570	0.2940	4.088	4.7	3.8
55.0	27.185	36.227	23.585	0.3157	4.083	4.2	3.8
60.0	27.156	36.229	23.596	0.3374	4.067	4.5	3.8
65.0	27.135	36.227	23.601	0.3591	4.028	3.9	3.8
70.0	27.128	36.228	23.604	0.3807	4.031	4.0	3.8
75.0	27.100	36.225	23.611	0.4023	4.023	4.1	3.8
80.0	27.065	36.223	23.621	0.4239	4.002	3.7	3.8
82.0	27.064	36.222	23.620	0.4326	4.009	3.8	3.9



Cruise I9002 Leg 3 Station # 21 Depth m:87 Time: 1990-03-02 05:04  
 Position: 2° 36.80'N 48° 21.20'W Depth Deck Offset: -0.03 Fish 2

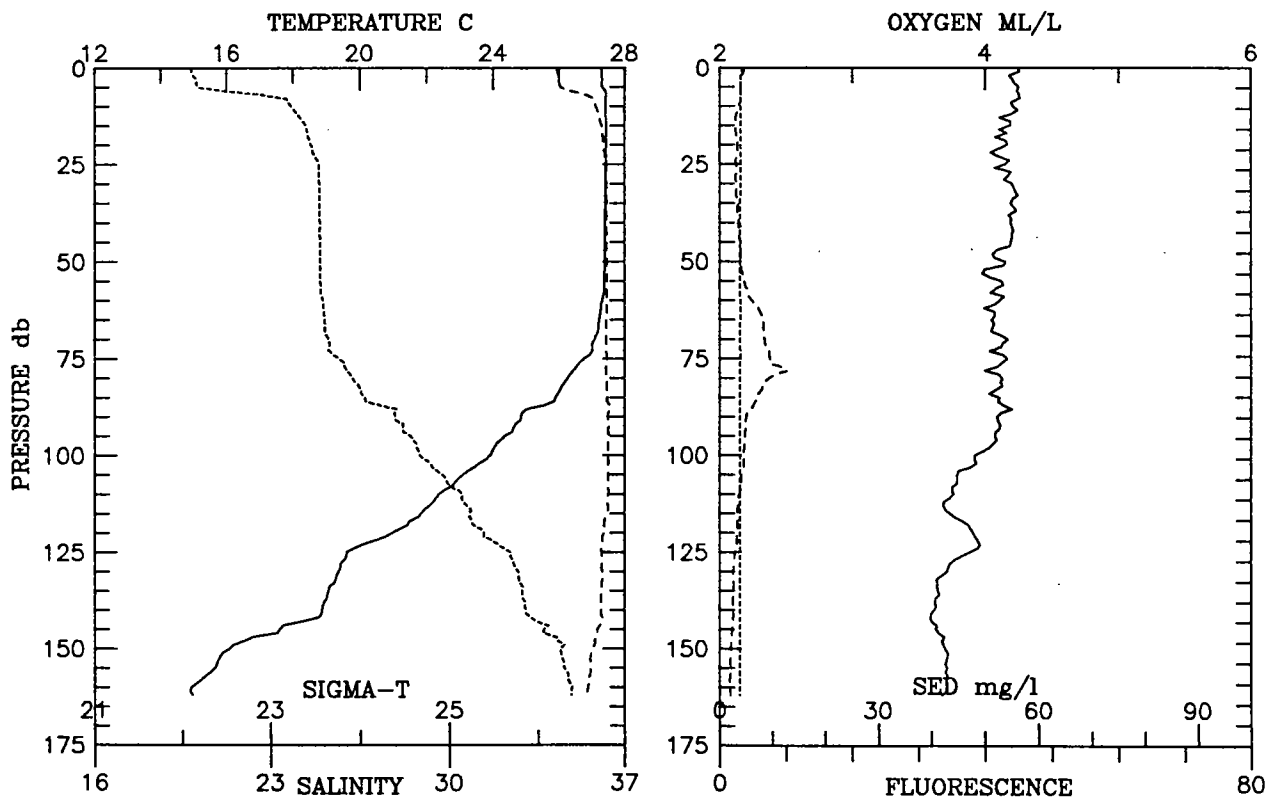
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.446	23.828	14.193	0.0000	4.593	9.6	3.9
5.0		27.515	24.426	14.619	0.0665	4.612	10.7	3.9
10.0		27.431	33.832	21.703	0.1172	4.204	13.7	4.0
15.0		27.445	36.124	23.424	0.1422	4.179	8.3	3.8
20.0		27.367	36.201	23.507	0.1643	4.146	6.0	3.8
25.0		27.341	36.216	23.526	0.1863	4.149	5.2	3.8
30.0		27.319	36.222	23.538	0.2082	4.141	5.5	3.8
35.0		27.299	36.245	23.562	0.2300	4.142	5.4	3.8
40.0		27.299	36.251	23.566	0.2517	4.129	4.6	3.8
45.0		27.298	36.252	23.567	0.2735	4.105	4.9	3.8
50.0		27.230	36.254	23.591	0.2952	4.103	4.8	3.8
55.0		27.180	36.252	23.606	0.3168	4.057	5.9	3.8
60.0		27.155	36.250	23.612	0.3384	4.086	4.4	3.8
65.0		27.103	36.248	23.627	0.3600	4.074	4.5	3.8
70.0		26.977	36.253	23.671	0.3814	4.048	4.2	3.8
75.0		26.854	36.251	23.709	0.4027	4.001	4.2	3.8
80.0		26.815	36.246	23.718	0.4238	3.988	4.2	3.8
83.0		26.803	36.247	23.722	0.4365	3.981	4.3	3.8





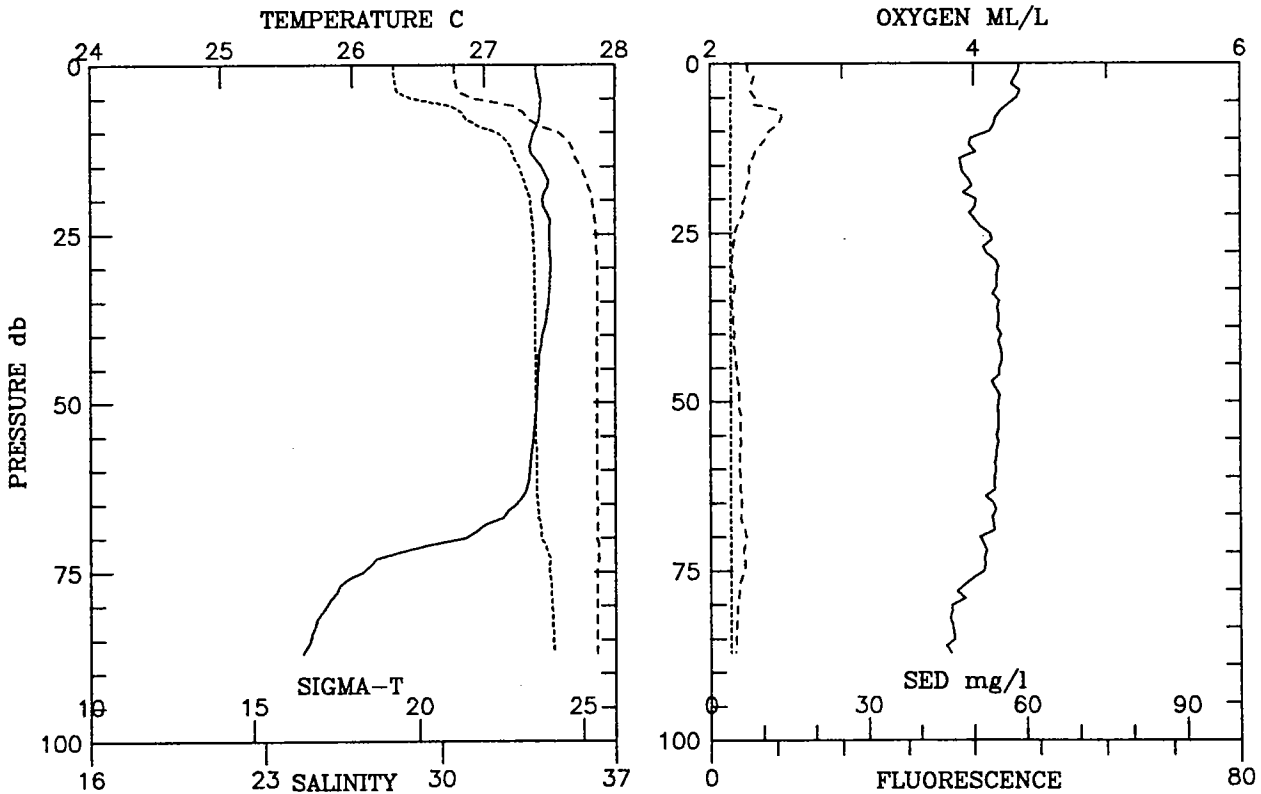
Cruise 19002 Leg 3 Station # 22 Depth m:171 Time: 1990-03-02 08:20  
 Position: 3° 13.30'N 48° 30.30'W Depth Deck Offset: 0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.285	34.299	22.101	0.0000	4.250	3.6	4.2
10.0	27.413	35.847	23.225	0.0534	4.205	2.8	3.9
20.0	27.438	36.152	23.447	0.0987	4.165	2.7	3.9
30.0	27.406	36.265	23.542	0.1427	4.202	2.5	3.9
40.0	27.392	36.267	23.548	0.1864	4.191	2.9	3.8
50.0	27.384	36.264	23.549	0.2301	4.151	3.2	3.8
60.0	27.301	36.273	23.582	0.2738	4.109	4.9	3.9
70.0	27.068	36.248	23.638	0.3171	4.170	6.8	3.8
80.0	26.236	36.255	23.908	0.3589	4.128	7.5	3.8
90.0	24.836	36.314	24.387	0.3974	4.087	4.0	3.8
100.0	23.897	36.307	24.664	0.4319	3.926	3.5	3.8
110.0	22.355	36.351	25.146	0.4629	3.766	3.0	3.8
120.0	20.974	36.157	25.384	0.4908	3.915	2.6	3.8
130.0	19.346	36.101	25.775	0.5152	3.713	2.0	3.8
140.0	18.867	36.043	25.854	0.5376	3.616	1.9	3.8
150.0	16.095	35.683	26.252	0.5575	3.701	1.6	3.8
160.0	14.925	35.516	26.387	0.5752	3.719	1.6	3.8
162.0	14.966	35.511	26.374	0.5787	3.677	1.6	3.8



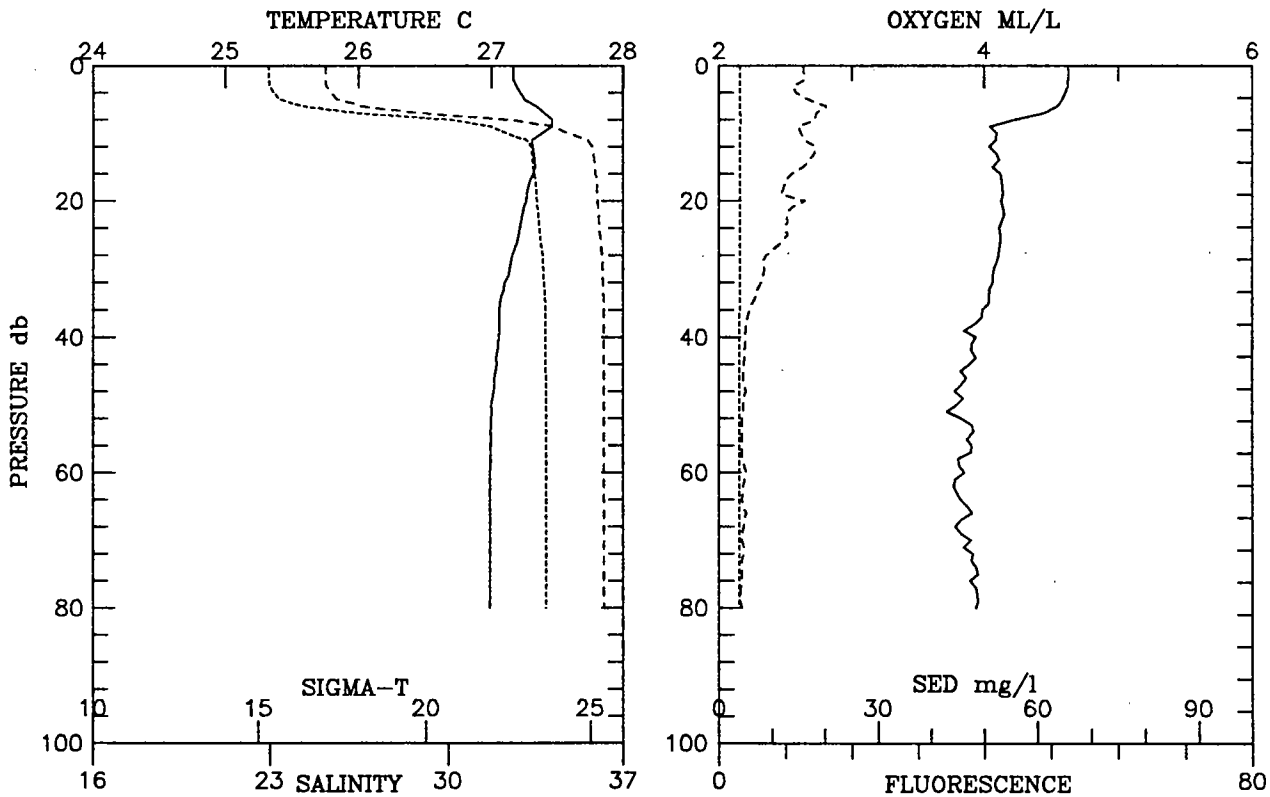
Cruise 19002 Leg 3 Station # 23 Depth m:85 Time: 1990-03-02 10:00  
 Position: 3° 3.50'N 48° 40.80'W Depth Deck Offset: 0.00 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.393	30.533	19.236	0.0000	4.342	5.7	4.0
5.0	27.429	31.333	19.825	0.0419	4.327	6.9	3.9
10.0	27.371	34.715	22.387	0.0743	4.124	9.0	3.9
15.0	27.437	35.633	23.056	0.0997	3.903	6.0	3.8
20.0	27.442	36.071	23.385	0.1231	4.015	5.2	3.8
25.0	27.494	36.212	23.474	0.1454	4.120	3.7	3.8
30.0	27.501	36.270	23.515	0.1675	4.183	3.3	3.8
35.0	27.482	36.269	23.521	0.1894	4.190	3.3	3.8
40.0	27.436	36.262	23.530	0.2114	4.204	3.6	3.8
45.0	27.404	36.261	23.540	0.2333	4.189	3.9	3.8
50.0	27.393	36.260	23.543	0.2552	4.187	4.3	3.8
55.0	27.369	36.260	23.551	0.2771	4.171	4.4	3.8
60.0	27.338	36.259	23.560	0.2989	4.165	4.4	3.8
65.0	27.236	36.267	23.599	0.3207	4.146	4.7	3.8
70.0	26.848	36.256	23.715	0.3421	4.046	5.4	3.8
75.0	26.070	36.238	23.947	0.3623	4.072	5.1	3.8
80.0	25.799	36.246	24.038	0.3821	3.830	4.1	3.8
85.0	25.679	36.239	24.070	0.4016	3.852	3.8	3.8
87.0	25.619	36.236	24.087	0.4093	3.824	3.7	3.8



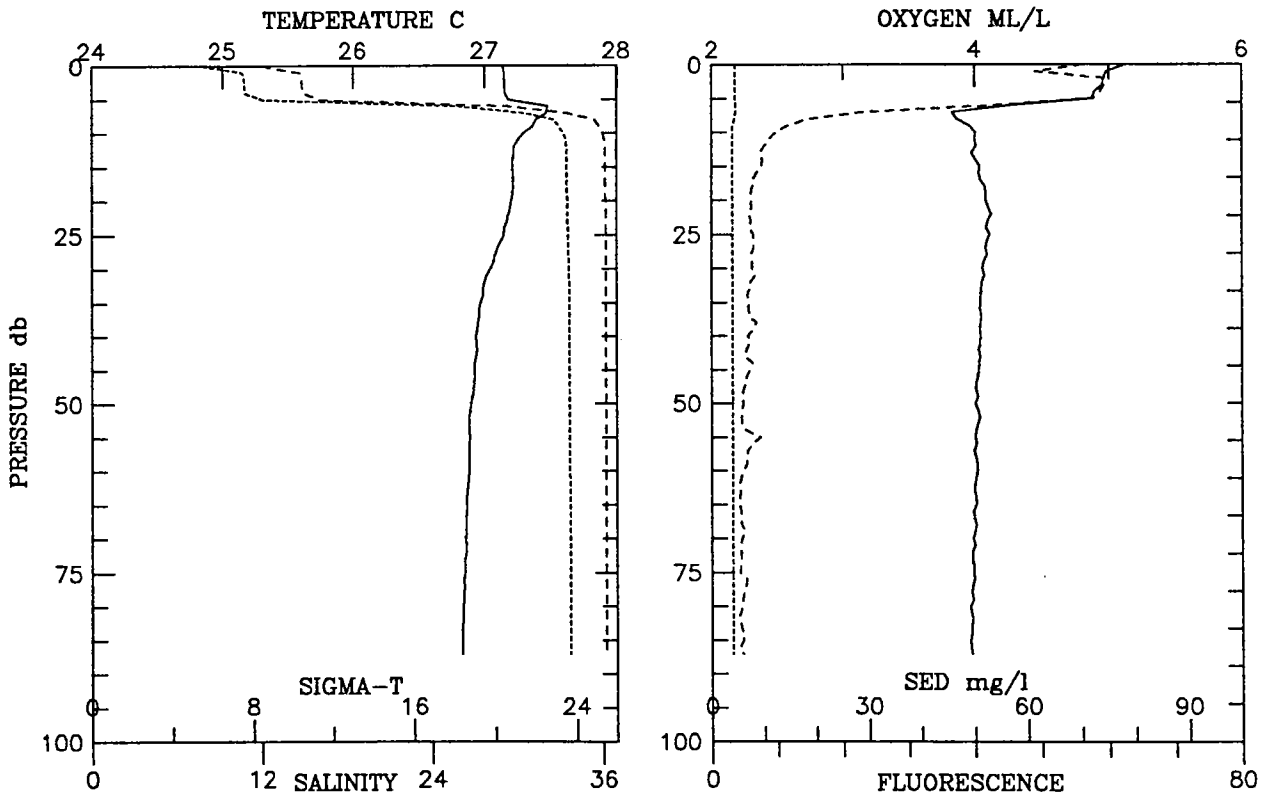
Cruise I9002 Leg 3 Station # 24 Depth m:83 Time: 1990-03-02 12:13  
 Position: 2° 53.80'N 48° 48.40'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.163	25.190	15.300	0.0000	4.629	12.8	4.0
5.0		27.251	25.663	15.627	0.0611	4.584	13.5	4.0
10.0		27.384	34.817	22.459	0.1037	4.093	12.4	3.9
15.0		27.328	35.859	23.262	0.1275	4.064	12.7	3.9
20.0		27.257	35.964	23.364	0.1504	4.127	13.0	3.9
25.0		27.204	36.067	23.458	0.1728	4.123	10.4	3.9
30.0		27.136	36.166	23.555	0.1948	4.074	6.8	3.9
35.0		27.063	36.216	23.616	0.2164	4.037	5.0	3.9
40.0		27.053	36.222	23.624	0.2379	3.936	3.9	3.8
45.0		27.030	36.224	23.632	0.2593	3.820	3.7	3.8
50.0		26.994	36.229	23.648	0.2808	3.794	3.6	3.8
55.0		26.992	36.228	23.648	0.3022	3.871	3.5	3.8
60.0		26.986	36.230	23.651	0.3236	3.851	4.0	3.8
65.0		26.985	36.230	23.652	0.3450	3.873	3.6	3.8
70.0		26.986	36.229	23.650	0.3664	3.898	3.4	3.8
75.0		26.983	36.229	23.651	0.3878	3.951	3.4	3.8
80.0		26.984	36.228	23.650	0.4092	3.938	3.5	3.8



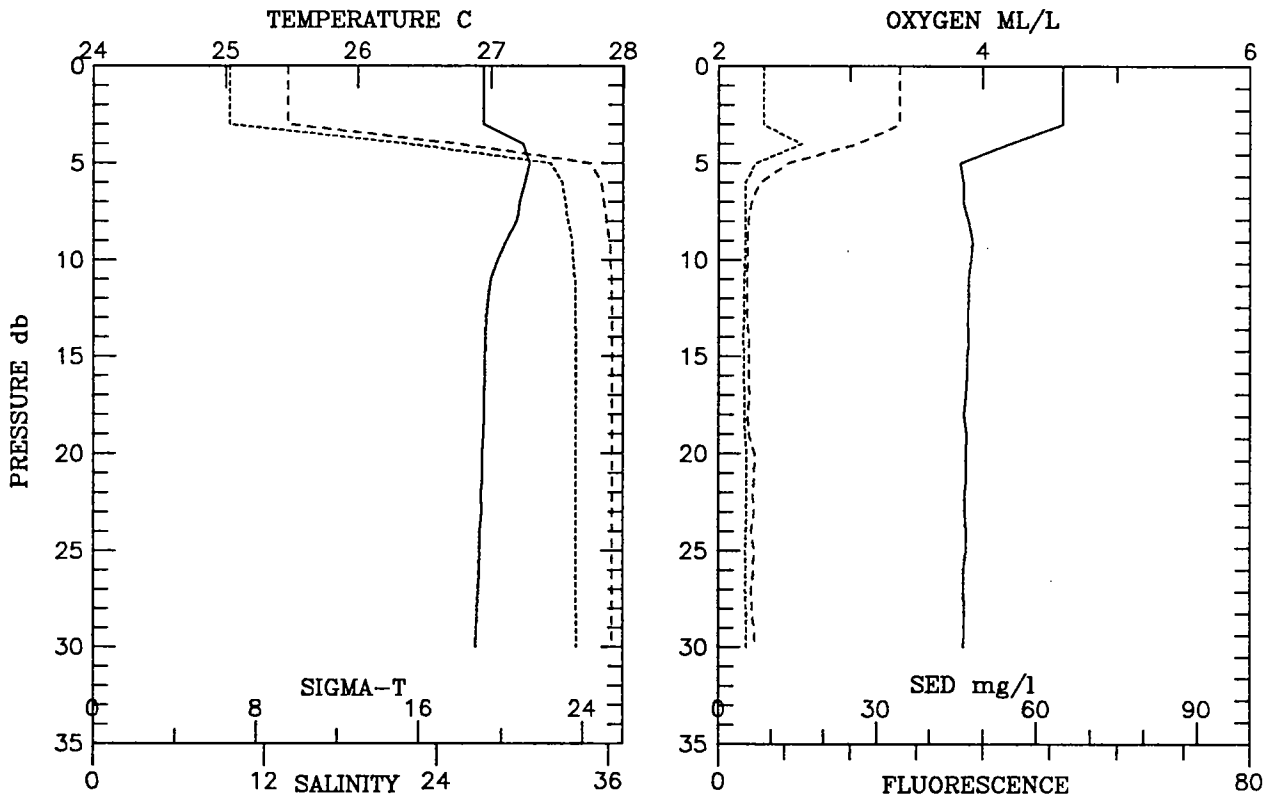
Cruise 19002 Leg 3 Station # 25 Depth m:91 Time: 1990-03-02 13:39  
 Position: 2° 44.20'N 48° 57.00'W Depth Deck Offset: -0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.136	12.074	5.505	0.0000	5.126	56.1	4.4
5.0	27.179	16.139	8.527	0.0998	4.876	57.8	4.4
10.0	27.292	35.994	23.375	0.1370	4.006	9.7	4.0
15.0	27.209	36.145	23.515	0.1591	4.039	7.6	3.9
20.0	27.199	36.184	23.548	0.1810	4.085	5.9	3.9
25.0	27.140	36.198	23.578	0.2027	4.110	6.3	3.9
30.0	27.036	36.212	23.622	0.2242	4.061	6.2	3.9
35.0	26.964	36.212	23.645	0.2457	4.044	5.6	3.9
40.0	26.932	36.211	23.654	0.2670	4.044	5.5	3.9
45.0	26.923	36.209	23.656	0.2884	4.031	5.8	3.9
50.0	26.892	36.209	23.665	0.3097	4.005	4.8	3.9
55.0	26.879	36.207	23.668	0.3310	4.004	7.4	3.9
60.0	26.878	36.206	23.668	0.3523	4.021	4.8	3.9
65.0	26.858	36.205	23.673	0.3736	4.008	4.2	3.9
70.0	26.849	36.206	23.677	0.3949	3.989	4.5	3.9
75.0	26.843	36.204	23.677	0.4162	3.990	4.2	3.9
80.0	26.831	36.204	23.681	0.4375	3.969	4.5	3.9
85.0	26.825	36.202	23.682	0.4588	3.968	4.7	3.9
87.0	26.823	36.202	23.682	0.4673	3.978	4.7	3.9



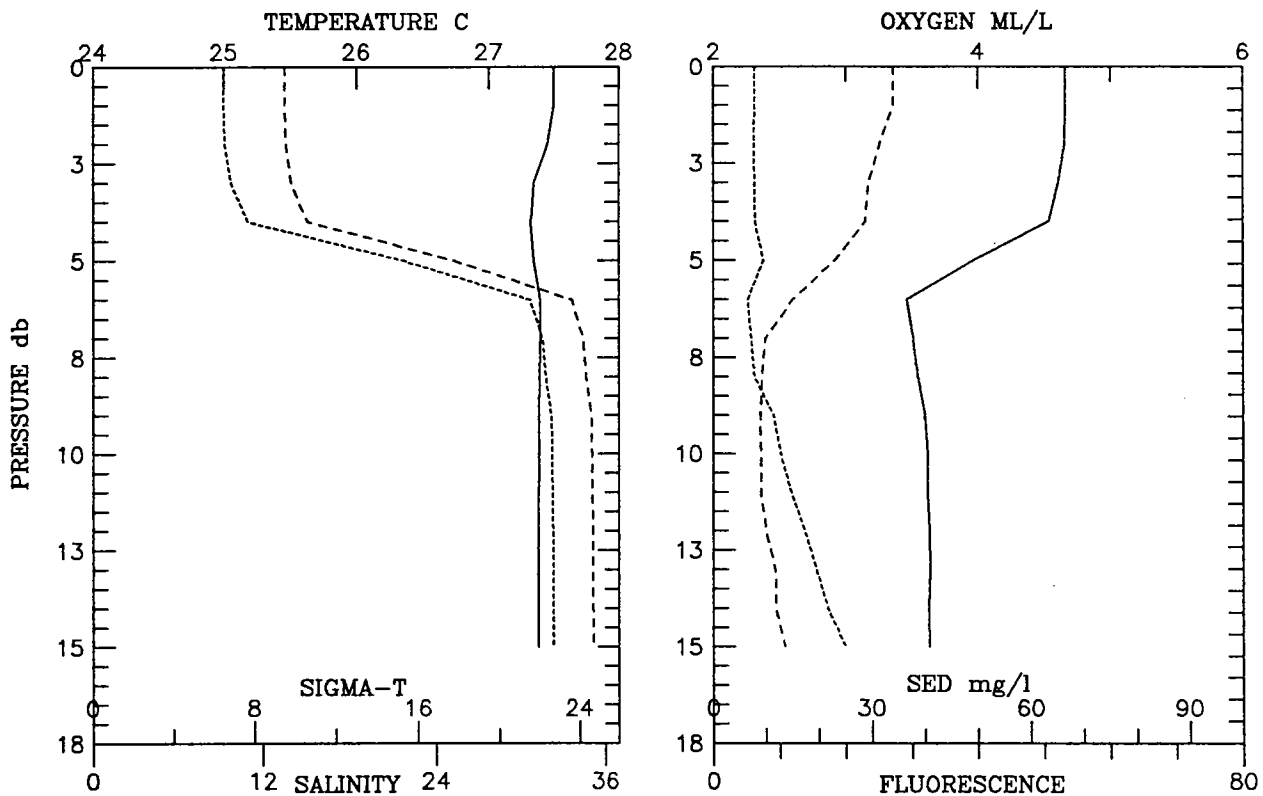
Cruise 19002 Leg 3 Station # 26 Depth m:31 Time: 1990-03-02 15:11  
 Position: 2° 36.40'N 49° 5.00'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.942	13.609	6.708	0.0000	4.596	27.5	8.5
2.0	E	26.942	13.609	6.708	0.0414	4.597	27.5	8.5
4.0		27.238	25.445	15.468	0.0785	4.202	21.0	15.8
6.0		27.250	35.446	22.976	0.0925	3.858	6.3	5.0
8.0		27.189	35.800	23.262	0.1020	3.897	4.5	5.1
10.0		27.045	36.068	23.510	0.1109	3.913	4.4	5.0
12.0		26.976	36.172	23.611	0.1196	3.894	4.3	4.8
14.0		26.952	36.196	23.636	0.1281	3.892	4.6	4.7
16.0		26.948	36.199	23.640	0.1367	3.885	4.6	4.8
18.0		26.946	36.201	23.642	0.1452	3.860	4.4	4.9
20.0		26.931	36.208	23.652	0.1537	3.876	5.5	5.3
22.0		26.922	36.210	23.656	0.1622	3.867	5.2	5.3
24.0		26.913	36.210	23.659	0.1708	3.877	5.0	5.2
26.0		26.908	36.211	23.662	0.1793	3.858	5.3	5.2
28.0		26.894	36.214	23.669	0.1878	3.860	5.1	5.2
30.0		26.880	36.217	23.675	0.1963	3.855	5.6	5.3



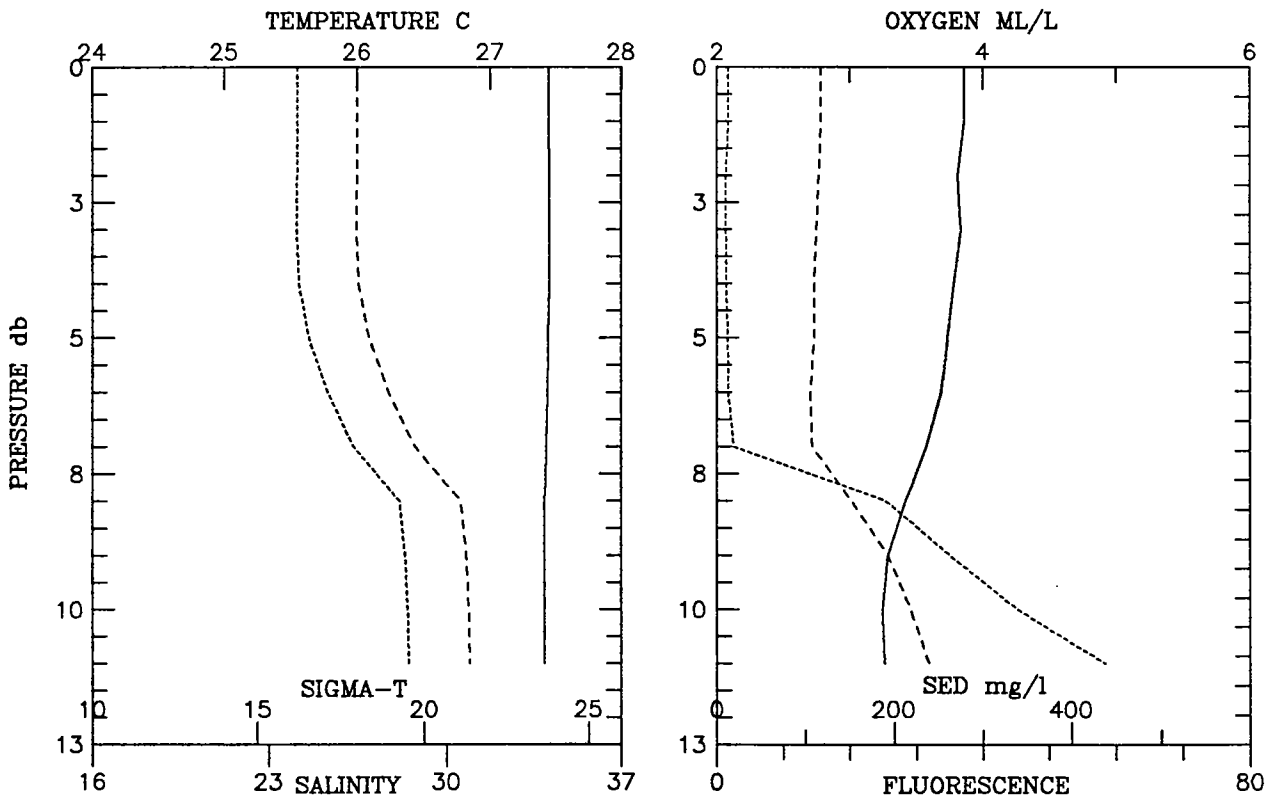
Cruise I9002 Leg 3 Station # 27 Depth m:19 Time: 1990-03-02 16:53  
 Position: 2° 28.60'N 49° 11.30'W Depth Deck Offset: 0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.492	13.508	6.470	0.0000	4.659	27.2	7.8
1.0		27.492	13.508	6.470	0.0209	4.659	27.2	7.8
2.0		27.446	13.583	6.540	0.0418	4.657	25.2	7.7
3.0		27.340	13.943	6.840	0.0625	4.608	23.5	7.8
4.0		27.315	15.070	7.688	0.0827	4.537	23.0	7.9
5.0		27.338	25.291	15.321	0.0987	3.965	18.4	9.5
6.0		27.388	33.581	21.528	0.1080	3.460	12.0	6.5
7.0		27.387	34.386	22.134	0.1139	3.512	7.9	7.2
8.0		27.383	34.601	22.297	0.1196	3.544	7.4	7.8
9.0		27.375	34.969	22.576	0.1250	3.598	7.1	11.4
10.0		27.374	35.020	22.615	0.1302	3.619	7.2	12.7
11.0		27.373	35.048	22.636	0.1355	3.620	7.2	14.7
12.0		27.372	35.082	22.662	0.1407	3.631	8.0	17.3
13.0		27.371	35.095	22.672	0.1459	3.637	9.4	19.5
14.0		27.371	35.100	22.676	0.1511	3.629	9.5	21.7
15.0		27.371	35.108	22.682	0.1563	3.630	10.8	25.0



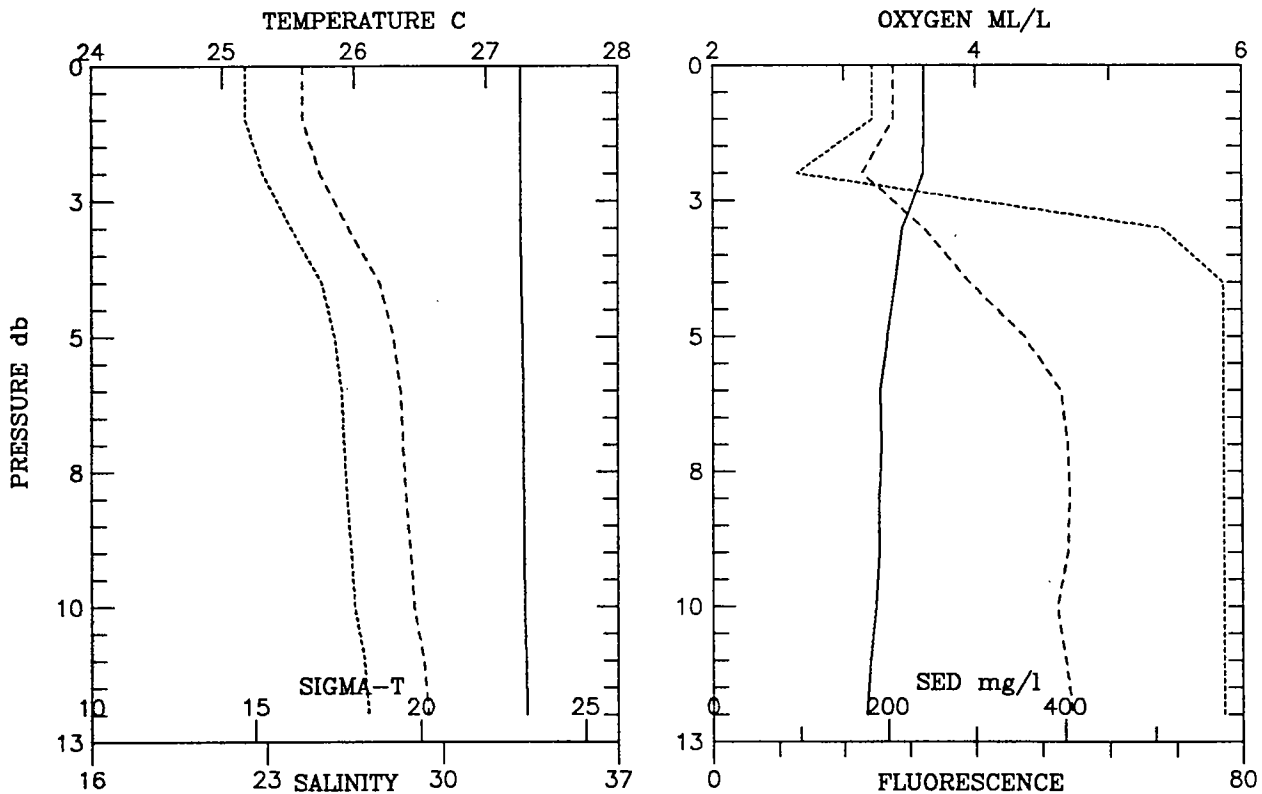
Cruise 19002 Leg 3 Station # 28 Depth m:13 Time: 1990-03-02 19:30  
 Position: 2° 22.60'N 49° 20.70'W Depth Deck Offset: -0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.445	26.491	16.187	0.0000	3.860	15.7	12.9
1.0	27.445	26.491	16.187	0.0114	3.860	15.7	12.9
2.0	27.448	26.486	16.182	0.0229	3.814	15.4	10.1
3.0	27.448	26.465	16.167	0.0343	3.837	15.0	10.1
4.0	27.448	26.554	16.233	0.0457	3.782	14.7	10.5
5.0	27.442	26.957	16.537	0.0569	3.734	14.7	12.2
6.0	27.435	27.721	17.112	0.0678	3.686	14.1	12.7
7.0	27.425	28.753	17.889	0.0779	3.575	14.4	19.1
8.0	27.411	30.564	19.253	0.0870	3.417	20.3	190.9
9.0	27.410	30.786	19.420	0.0954	3.286	25.8	262.8
10.0	27.410	30.886	19.496	0.1037	3.248	29.2	339.3
11.0	27.410	30.935	19.532	0.1119	3.265	31.9	438.0



Cruise 19002 Leg 3 Station # 29 Depth m:15 Time: 1990-03-02 21:38  
 Position: 2° 30.20'N 49° 35.50'W Depth Deck Offset: -0.05 Fish 2

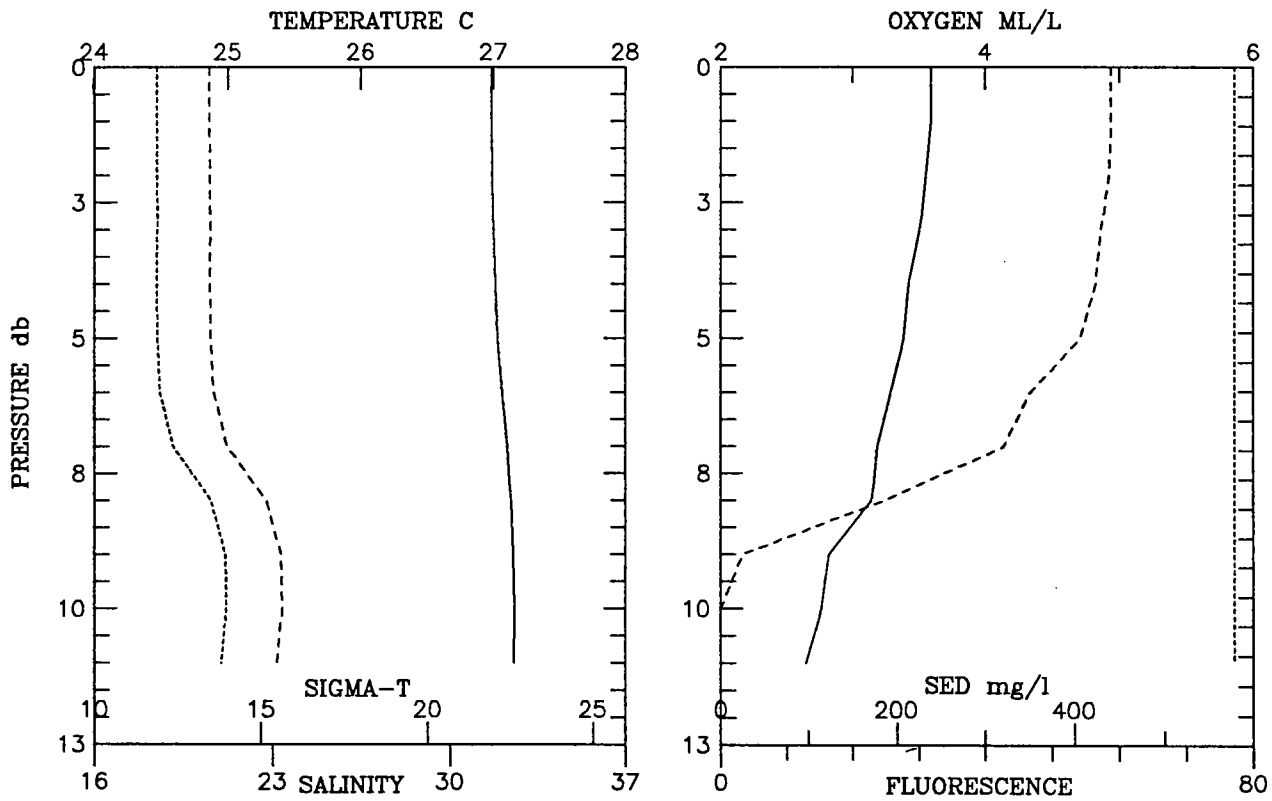
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.261	24.431	14.701	0.0000	3.615	27.6	183.0
1.0		27.261	24.431	14.701	0.0129	3.615	27.6	183.0
2.0		27.262	25.135	15.228	0.0255	3.609	22.9	96.3
3.0		27.263	26.272	16.080	0.0374	3.447	32.2	508.4
4.0		27.267	27.504	17.002	0.0485	3.393	39.2	577.7
5.0		27.275	28.028	17.392	0.0590	3.334	47.4	577.7
6.0		27.281	28.317	17.607	0.0691	3.278	52.8	577.7
7.0		27.282	28.414	17.680	0.0791	3.286	53.8	577.7
8.0		27.283	28.534	17.769	0.0891	3.268	54.1	577.7
9.0		27.286	28.710	17.900	0.0989	3.270	53.8	577.7
10.0		27.289	28.844	18.000	0.1086	3.246	52.2	577.7
11.0		27.300	29.240	18.294	0.1182	3.199	53.5	577.7
12.0		27.305	29.408	18.418	0.1275	3.174	54.5	577.7





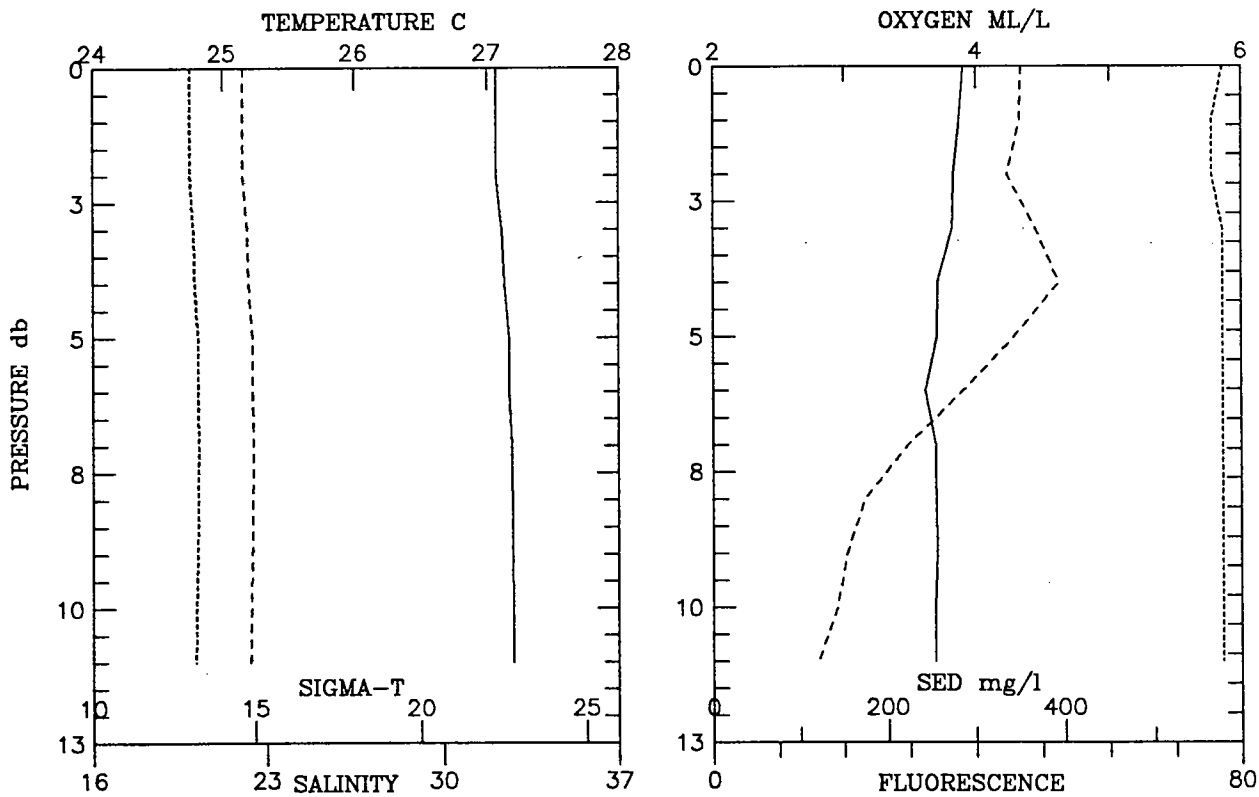
Cruise 19002 Leg 3 Station # 30 Depth m:16 Time: 1990-03-02 23:23  
 Position: 2° 24.30'N 49° 50.60'W Depth Deck Offset: -0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 26.984	20.515	11.855	0.0000	3.591	58.8	577.7
1.0	26.984	20.514	11.855	0.0156	3.592	58.8	577.7
2.0	26.989	20.544	11.876	0.0313	3.553	58.5	577.7
3.0	26.999	20.550	11.877	0.0469	3.504	57.3	577.7
4.0	27.016	20.541	11.865	0.0625	3.425	56.5	577.7
5.0	27.029	20.575	11.887	0.0781	3.384	54.2	577.7
6.0	27.061	20.682	11.957	0.0937	3.290	46.7	577.7
7.0	27.100	21.227	12.353	0.1091	3.189	42.8	577.7
8.0	27.128	22.755	13.488	0.1237	3.143	24.8	577.7
9.0	27.146	23.344	13.923	0.1375	2.820	3.3	577.7
10.0	27.153	23.379	13.947	0.1511	2.762	0.0	577.7
11.0	27.151	23.177	13.796	0.1648	2.650	0.0	577.7



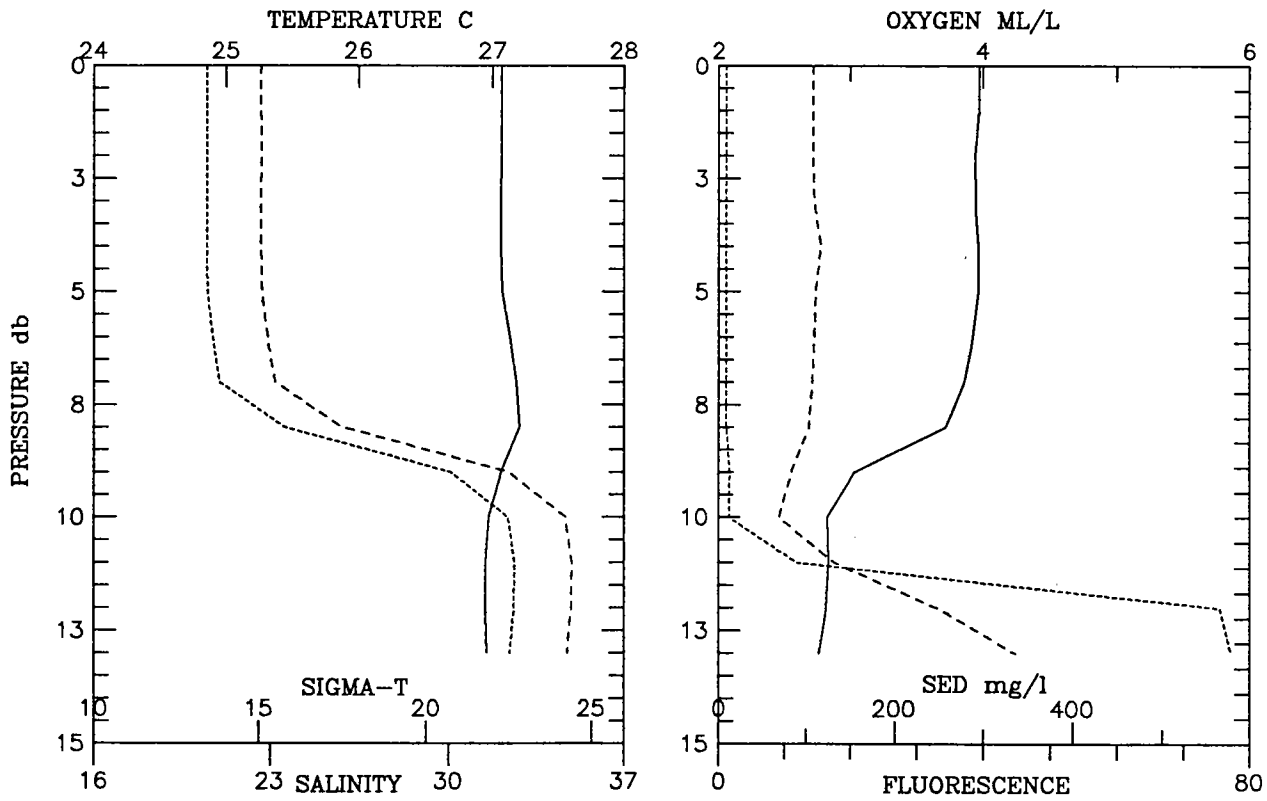
Cruise I9002 Leg 3 Station # 31 Depth m:15 Time: 1990-03-03 02:11  
 Position: 2° 23.70'N 50° 5.10'W Depth Deck Offset: -0.13 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.065	22.060	12.987	0.0000	3.904	46.8	577.7
1.0	27.067	22.073	12.996	0.0145	3.873	46.6	565.5
2.0	27.065	22.071	12.995	0.0291	3.833	44.7	565.5
3.0	27.111	22.236	13.104	0.0435	3.823	49.0	577.7
4.0	27.129	22.292	13.141	0.0579	3.712	52.5	577.7
5.0	27.162	22.436	13.238	0.0723	3.706	45.8	577.7
6.0	27.165	22.445	13.244	0.0866	3.618	38.1	577.7
7.0	27.185	22.477	13.262	0.1008	3.695	29.7	577.7
8.0	27.189	22.450	13.241	0.1151	3.699	23.2	577.7
9.0	27.190	22.433	13.228	0.1294	3.705	20.5	577.7
10.0	27.192	22.382	13.189	0.1437	3.691	19.0	577.7
11.0	27.194	22.356	13.169	0.1581	3.688	16.1	577.7



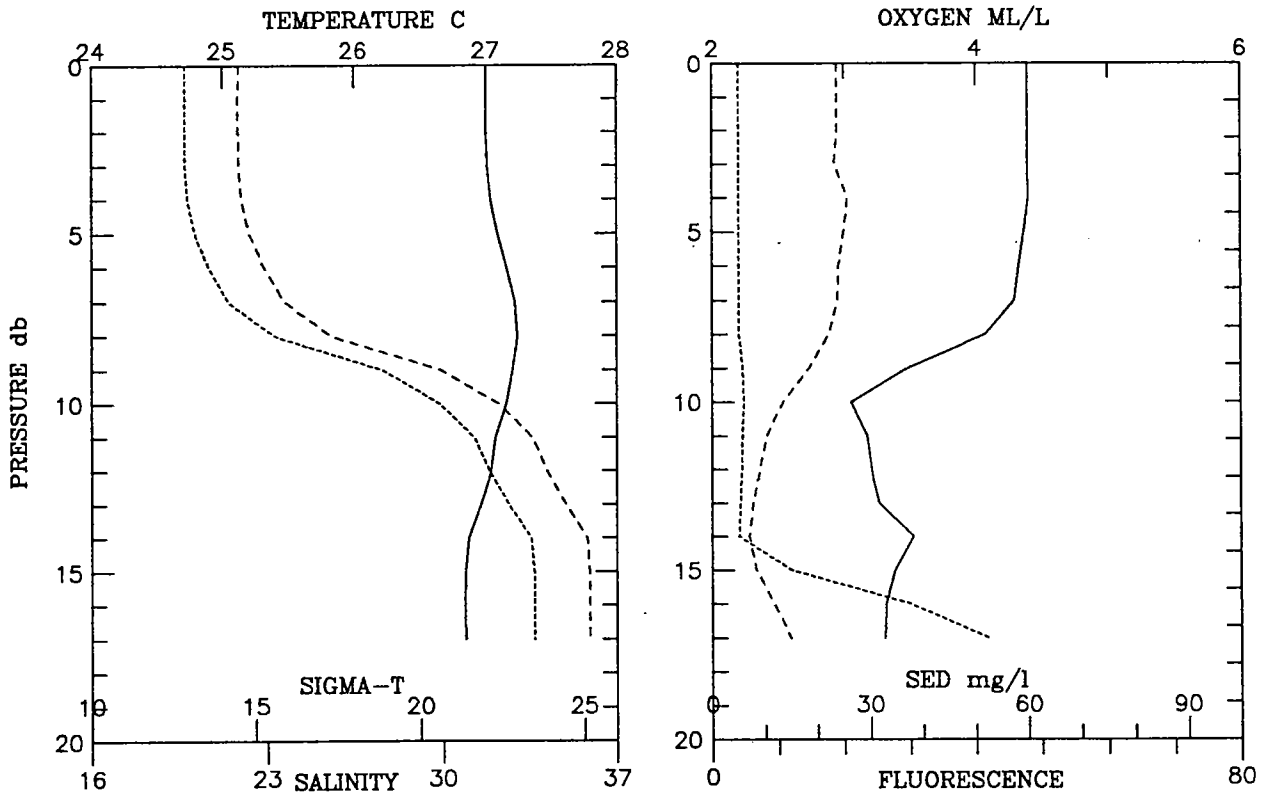
Cruise 19002 Leg 3 Station # 32 Depth m:16 Time: 1990-03-03 04:56  
 Position: 2° 34.00'N 49° 54.10'W Depth Deck Offset: -0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.065	22.640	13.421	0.0000	3.973	14.4	8.8
1.0	27.064	22.639	13.420	0.0141	3.973	14.4	8.8
2.0	27.067	22.644	13.423	0.0282	3.944	14.4	8.7
3.0	27.061	22.635	13.418	0.0423	3.947	14.6	8.6
4.0	27.061	22.633	13.417	0.0565	3.967	15.6	8.6
5.0	27.071	22.665	13.437	0.0706	3.967	14.8	8.6
6.0	27.128	22.894	13.592	0.0846	3.926	14.6	8.5
7.0	27.179	23.193	13.800	0.0984	3.862	14.3	8.3
8.0	27.202	25.840	15.775	0.1112	3.721	13.8	8.8
9.0	27.060	32.377	20.727	0.1207	3.033	11.1	12.4
10.0	26.972	34.632	22.452	0.1269	2.829	9.2	11.8
11.0	26.946	34.895	22.658	0.1322	2.837	17.6	89.3
12.0	26.947	34.865	22.635	0.1374	2.817	33.1	565.5
13.0	26.955	34.715	22.520	0.1427	2.762	44.8	577.7



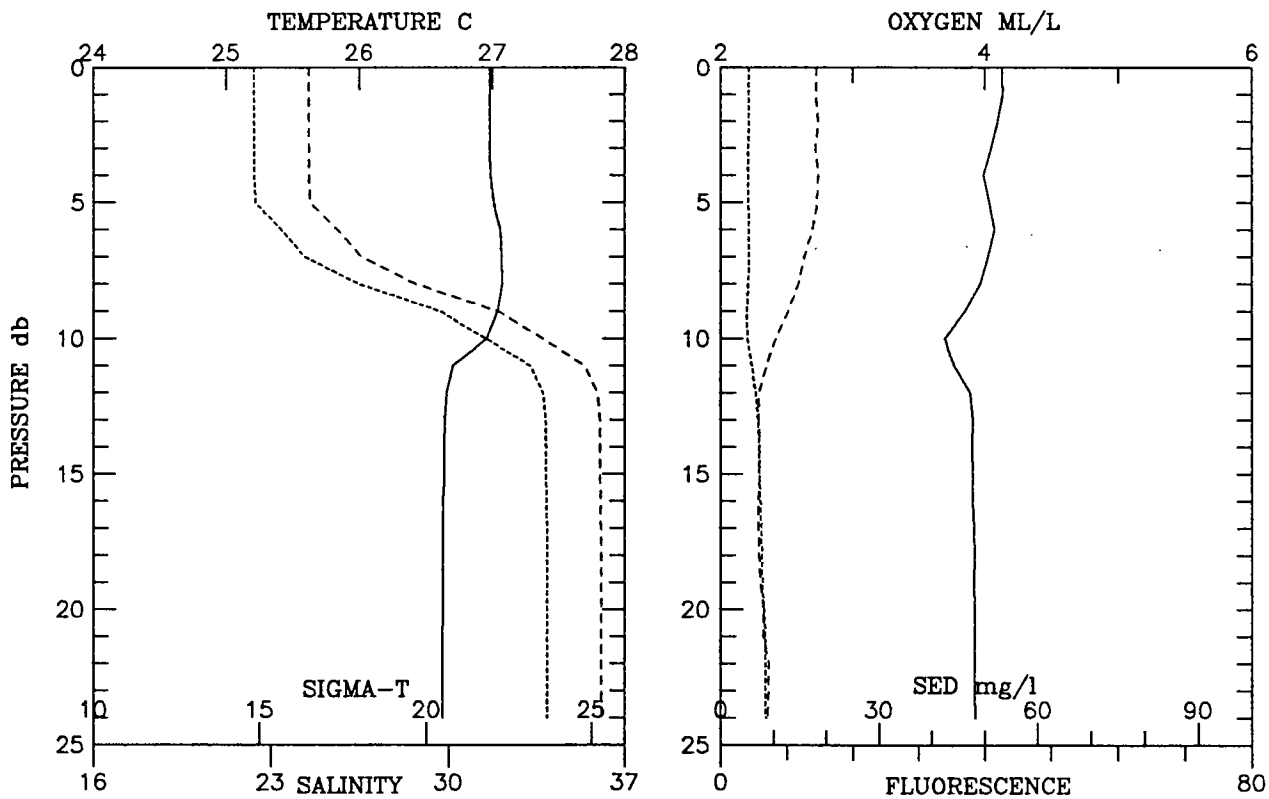
Cruise I9002 Leg 3 Station # 33 Depth m:20 Time: 1990-03-03 06:19  
 Position: 2° 45.60'N 49° 45.90'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.999	21.877	12.870	0.0000	4.395	19.0	5.1
1.0	E	26.999	21.876	12.869	0.0147	4.395	19.0	5.1
2.0		26.998	21.876	12.869	0.0293	4.396	19.0	5.1
3.0		27.009	21.892	12.878	0.0439	4.396	18.6	5.1
4.0		27.034	22.002	12.952	0.0586	4.399	20.6	5.1
5.0		27.089	22.320	13.174	0.0730	4.366	20.0	5.1
6.0		27.153	22.911	13.597	0.0872	4.325	19.2	5.0
7.0		27.219	23.714	14.178	0.1008	4.291	19.1	5.0
8.0		27.235	25.602	15.586	0.1135	4.072	17.7	5.1
9.0		27.195	29.949	18.860	0.1240	3.477	14.7	5.8
10.0		27.148	32.234	20.591	0.1320	3.058	10.7	6.0
11.0		27.066	33.583	21.632	0.1387	3.178	8.2	5.7
12.0		27.033	34.169	22.084	0.1446	3.208	7.2	5.6
13.0		26.954	34.917	22.672	0.1501	3.268	6.2	5.3
14.0		26.862	35.791	23.360	0.1550	3.524	5.6	5.1
15.0		26.839	35.886	23.439	0.1595	3.386	6.7	15.1
16.0		26.835	35.899	23.450	0.1639	3.317	9.4	37.6
17.0		26.837	35.889	23.442	0.1684	3.306	11.9	52.3



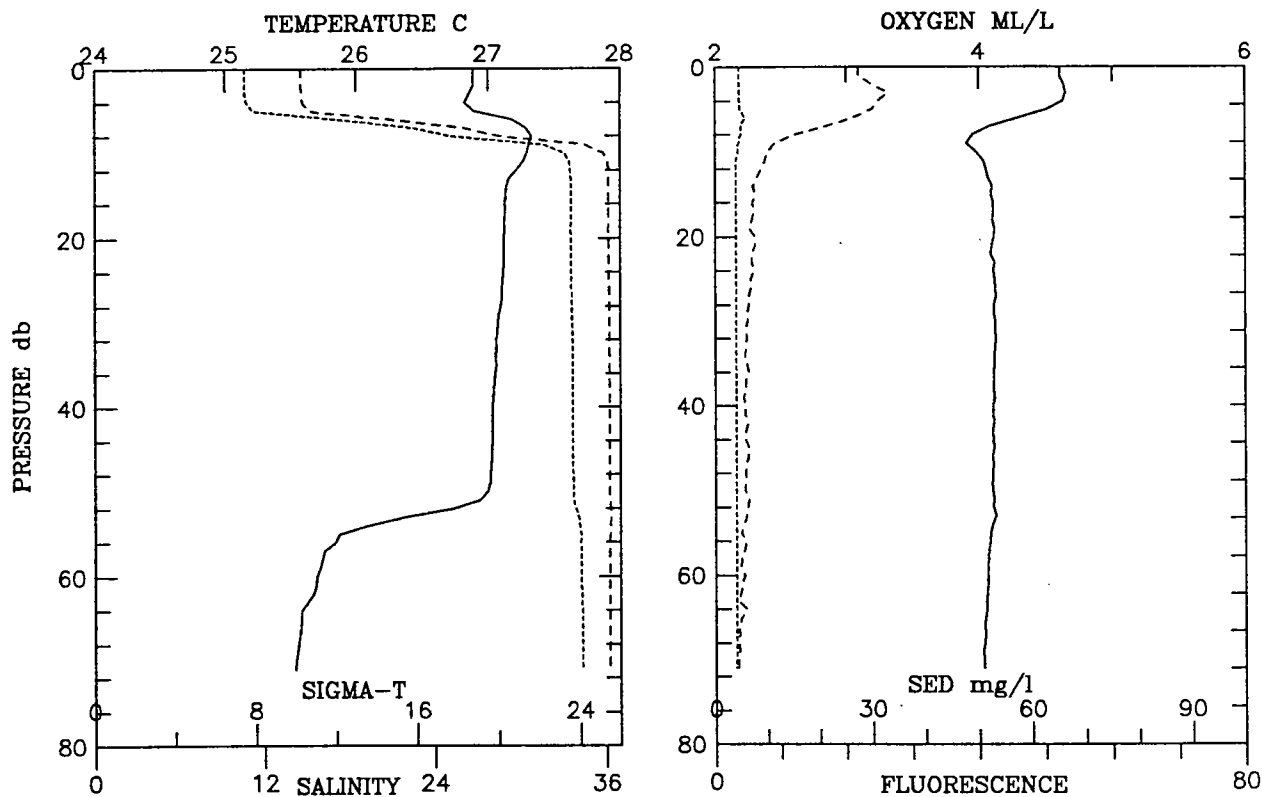
Cruise 19002 Leg 3 Station # 34 Depth m:27 Time: 1990-03-03 08:54  
 Position: 2° 54.70'N 49° 36.40'W Depth Deck Offset: 0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	26.978	24.497	14.837	0.0000	4.134	14.5	5.3
2.0		26.977	24.497	14.838	0.0255	4.101	14.8	5.3
4.0		26.985	24.500	14.838	0.0509	3.992	14.8	5.2
6.0		27.059	25.614	15.650	0.0760	4.074	13.9	5.3
8.0		27.072	28.692	17.955	0.0981	3.970	11.8	5.2
10.0		26.953	33.741	21.787	0.1133	3.699	8.3	5.0
12.0		26.653	35.919	23.523	0.1233	3.890	5.8	6.6
14.0		26.632	36.030	23.613	0.1319	3.906	5.9	7.2
16.0		26.627	36.050	23.630	0.1405	3.908	5.7	7.5
18.0		26.624	36.060	23.639	0.1491	3.921	5.8	7.8
20.0		26.622	36.062	23.641	0.1576	3.923	6.5	8.2
22.0		26.620	36.069	23.647	0.1661	3.923	7.3	8.4
24.0		26.619	36.070	23.648	0.1747	3.927	7.1	8.5



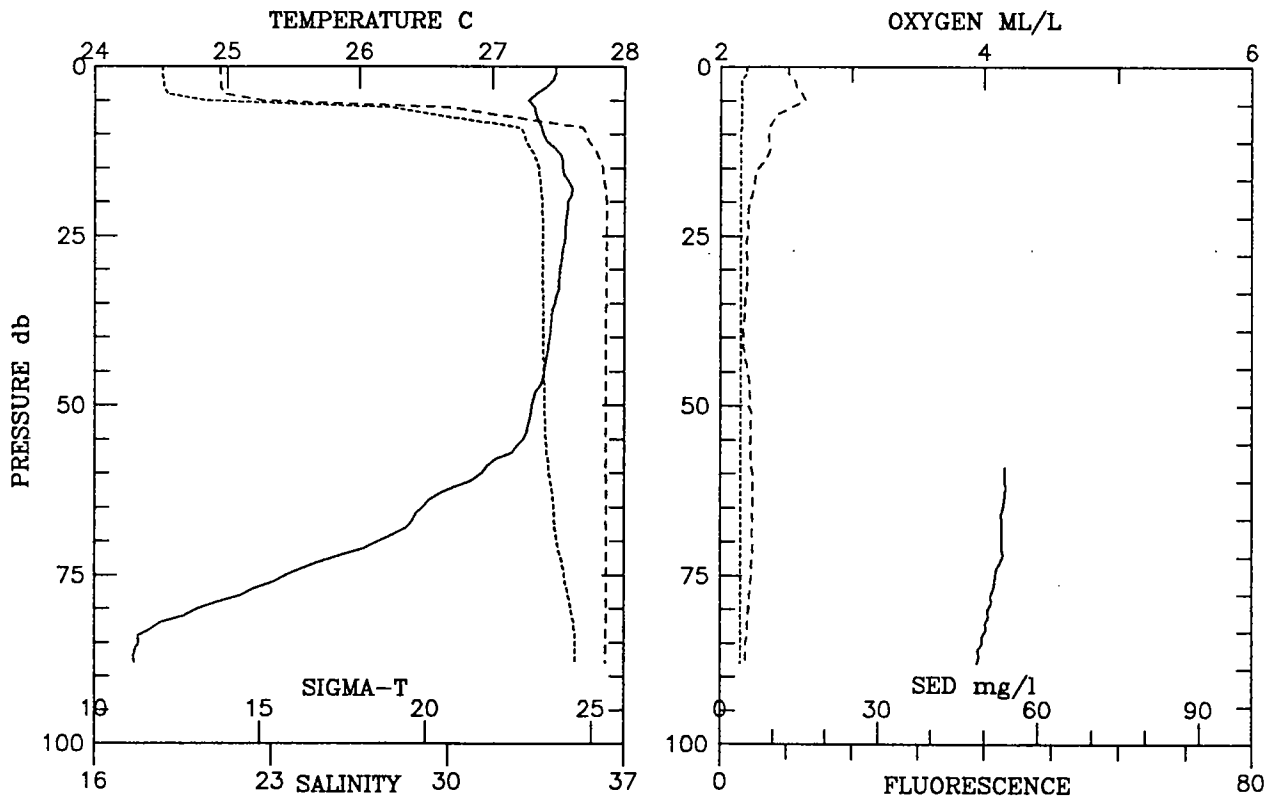
Cruise 19002 Leg 3 Station # 35 Depth m:79 Time: 1990-03-03 11:55  
 Position: 3° 9.30'N 49° 17.50'W Depth Deck Offset: 0.15 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	26.889	14.601	7.465	0.0000	4.609	21.9	4.6
5.0		26.891	15.184	7.899	0.0994	4.514	23.9	4.7
10.0		27.288	35.805	23.234	0.1541	3.977	7.9	4.3
15.0		27.128	36.160	23.553	0.1761	4.095	6.1	3.9
20.0		27.116	36.165	23.560	0.1979	4.113	6.1	3.9
25.0		27.105	36.175	23.572	0.2196	4.117	5.4	3.9
30.0		27.072	36.203	23.603	0.2413	4.121	4.9	3.9
35.0		27.055	36.208	23.613	0.2628	4.119	4.8	3.9
40.0		27.030	36.214	23.625	0.2843	4.107	4.5	3.9
45.0		27.023	36.216	23.629	0.3058	4.110	5.1	3.9
50.0		26.994	36.221	23.642	0.3272	4.104	4.5	3.9
55.0		25.867	36.246	24.017	0.3478	4.088	3.9	3.9
60.0		25.696	36.214	24.046	0.3674	4.063	4.4	3.9
65.0		25.573	36.210	24.081	0.3868	4.045	3.9	3.9
70.0		25.532	36.205	24.090	0.4062	4.033	3.5	3.9
71.0		25.527	36.213	24.098	0.4100	4.037	3.4	3.9



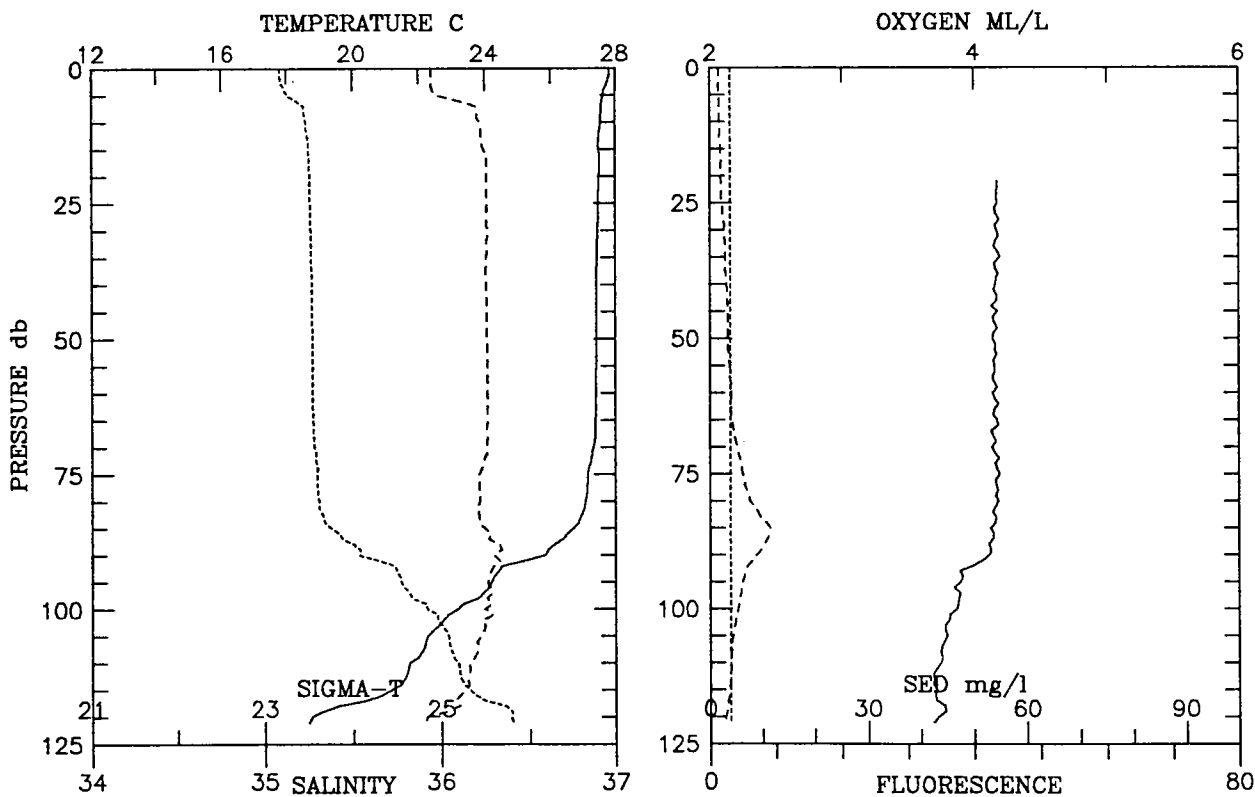
Cruise 19002 Leg 3 Station # 36 Depth m:91 Time: 1990-03-03 13:46  
 Position: 3° 22.70'N 49° 7.10'W Depth Deck Offset: 0.20 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.474	20.964	12.043	0.0000	0.000	10.3	4.9
5.0		27.269	22.678	13.387	0.0764	0.000	12.9	4.1
10.0		27.382	35.455	22.940	0.1138	0.000	7.3	3.8
15.0		27.528	36.112	23.388	0.1374	0.000	5.6	3.8
20.0		27.568	36.265	23.490	0.1597	0.000	4.4	3.8
25.0		27.544	36.269	23.500	0.1817	0.000	4.0	3.8
30.0		27.507	36.268	23.512	0.2038	0.000	4.0	3.8
35.0		27.467	36.265	23.522	0.2257	0.000	3.7	3.8
40.0		27.429	36.256	23.528	0.2477	0.000	3.4	3.8
45.0		27.387	36.261	23.545	0.2696	0.000	4.2	3.8
50.0		27.297	36.258	23.572	0.2914	0.000	4.3	3.8
55.0		27.232	36.260	23.595	0.3131	0.000	4.6	3.8
60.0		26.920	36.257	23.693	0.3345	4.154	4.9	3.8
65.0		26.474	36.264	23.840	0.3553	4.142	4.9	3.8
70.0		26.146	36.267	23.945	0.3757	4.131	4.9	3.8
75.0		25.439	36.272	24.169	0.3951	4.083	4.7	3.8
80.0		24.778	36.266	24.368	0.4136	4.032	4.3	3.8
85.0		24.337	36.250	24.489	0.4313	3.988	3.8	3.8
88.0		24.303	36.251	24.500	0.4417	3.949	3.8	3.8



Cruise I9002 Leg 3 Station # 37 Depth m:123 Time: 1990-03-03 15:56  
 Position: 3° 36.90'N 48° 54.10'W Depth Deck Offset: 0.23 Fish 2

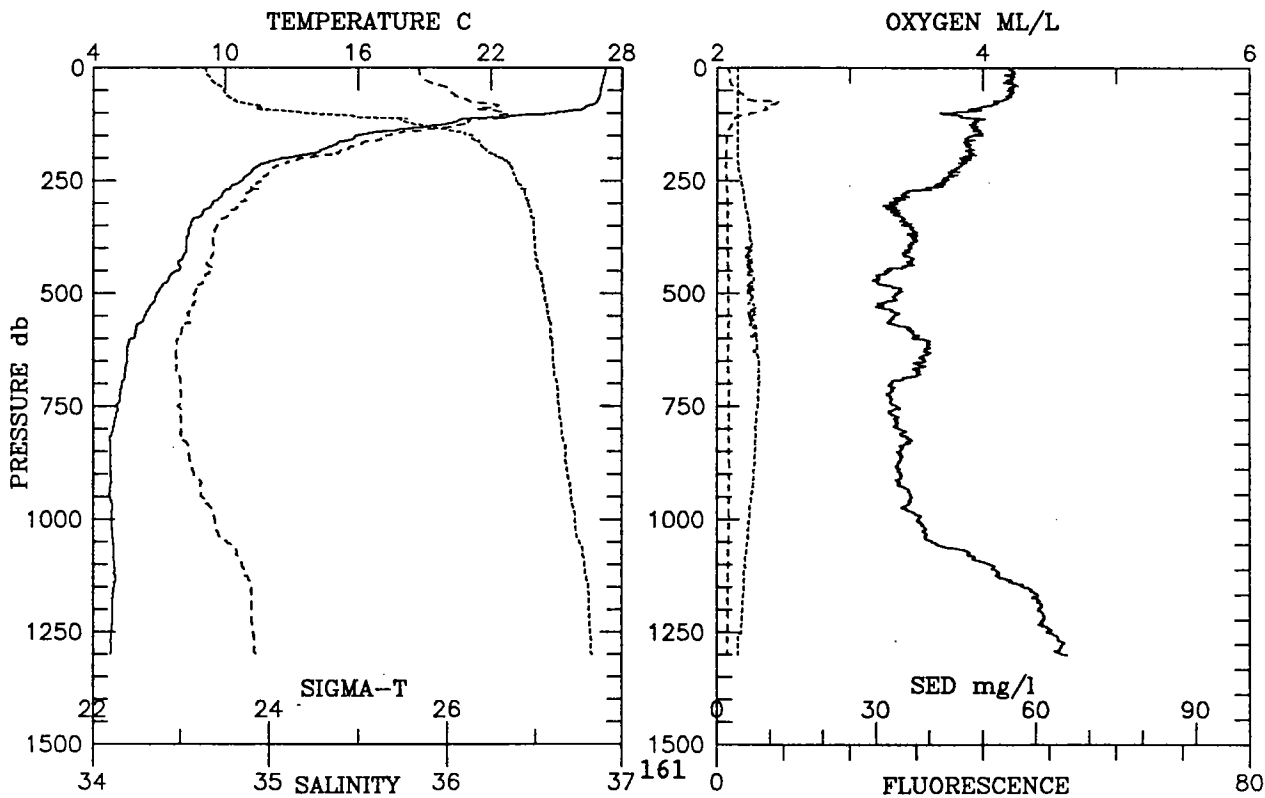
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.808	35.945	23.171	0.0000	0.000	1.3	3.8
10.0		27.537	36.221	23.467	0.0458	0.000	1.4	3.8
20.0		27.487	36.262	23.514	0.0899	0.000	1.6	3.8
30.0		27.450	36.263	23.526	0.1338	4.173	2.1	3.8
40.0		27.411	36.256	23.534	0.1776	4.162	2.5	3.8
50.0		27.398	36.262	23.542	0.2214	4.140	2.7	3.8
60.0		27.392	36.264	23.546	0.2652	4.140	3.1	3.8
70.0		27.319	36.261	23.567	0.3090	4.138	4.1	3.8
80.0		27.062	36.220	23.619	0.3524	4.184	6.1	3.8
90.0		25.815	36.298	24.073	0.3938	4.117	7.1	3.8
100.0		23.167	36.249	24.834	0.4282	3.872	4.2	3.8
110.0		21.705	36.158	25.182	0.4579	3.749	3.1	3.8
120.0		18.749	35.919	25.789	0.4841	3.731	2.3	3.8
121.0		18.668	35.912	25.804	0.4864	3.696	2.2	3.8





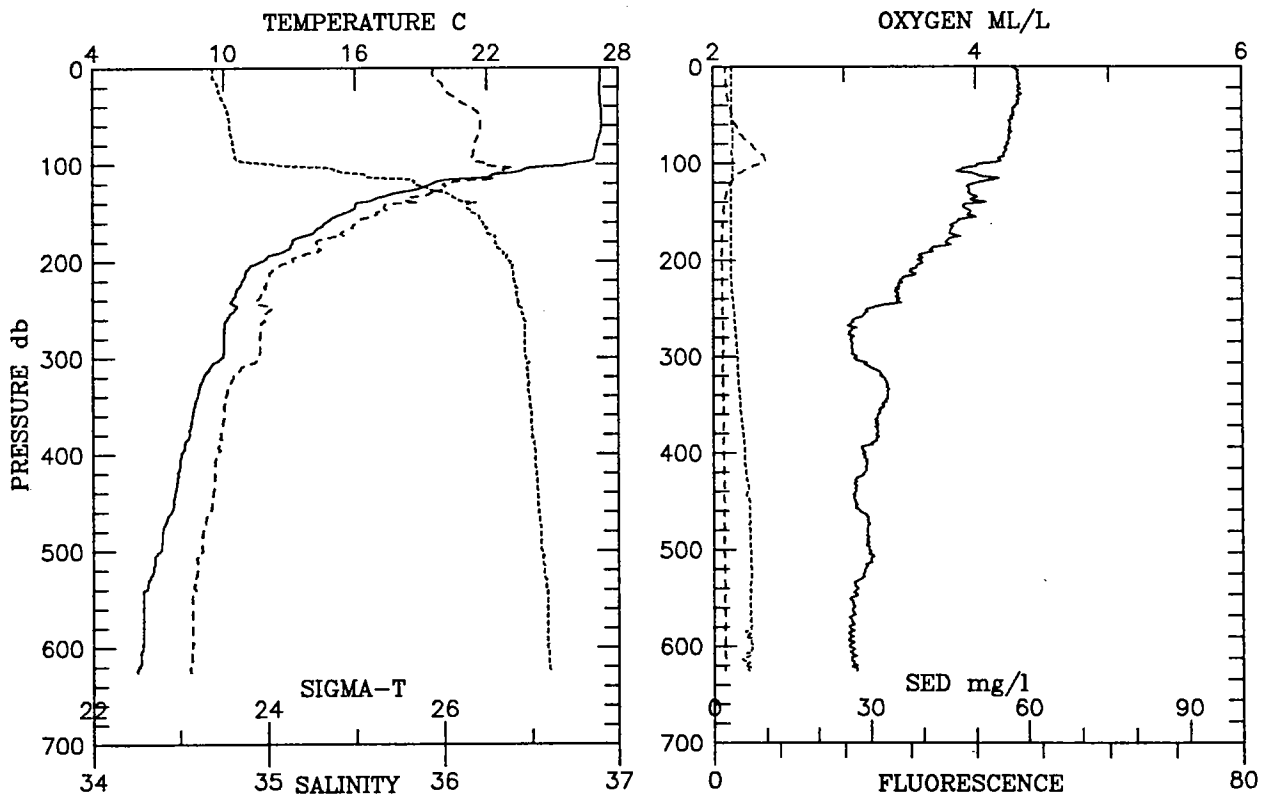
Cruise 19002 Leg 3 Station # 38 Depth m:1365 Time: 1990-03-03 20:28  
 Position: 4° 23.20'N 48° 56.20'W Depth Deck Offset: -0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 27.216	35.841	23.284	0.0000	4.222	1.7	3.8
10.0	27.211	35.841	23.286	0.0460	4.220	1.8	3.8
20.0	27.137	35.854	23.319	0.0920	4.227	1.7	3.8
30.0	27.106	35.889	23.356	0.1376	4.214	1.9	3.8
40.0	27.045	35.976	23.441	0.1827	4.247	2.3	3.8
50.0	27.006	36.013	23.481	0.2271	4.189	3.1	3.8
60.0	26.977	36.043	23.513	0.2714	4.201	4.0	3.8
70.0	26.885	36.115	23.597	0.3152	4.157	4.8	3.8
80.0	26.702	36.254	23.760	0.3580	4.091	8.6	3.8
100.0	24.795	36.313	24.399	0.4372	3.681	5.1	3.8
150.0	15.873	35.628	26.261	0.5589	3.943	1.4	3.8
200.0	12.545	35.184	26.626	0.6429	3.913	1.3	3.8
250.0	10.749	34.945	26.778	0.7119	3.737	1.3	4.5
300.0	9.439	34.831	26.915	0.7748	3.342	1.5	5.3
400.0	8.250	34.688	26.991	0.8910	3.455	1.6	5.3
500.0	6.899	34.579	27.101	1.0012	3.340	1.7	5.8
600.0	5.781	34.501	27.186	1.1018	3.505	1.6	7.3
700.0	5.316	34.498	27.241	1.1971	3.301	1.9	7.8
800.0	4.914	34.501	27.290	1.2872	3.372	1.7	7.2
900.0	4.775	34.576	27.365	1.3715	3.379	1.8	6.8
1000.0	4.840	34.694	27.451	1.4499	3.504	1.7	6.0
1100.0	4.967	34.849	27.560	1.5213	4.063	1.6	5.2
1200.0	4.883	34.901	27.611	1.5855	4.413	1.5	4.8
1300.0	4.789	34.928	27.643	1.6476	4.630	1.5	3.9



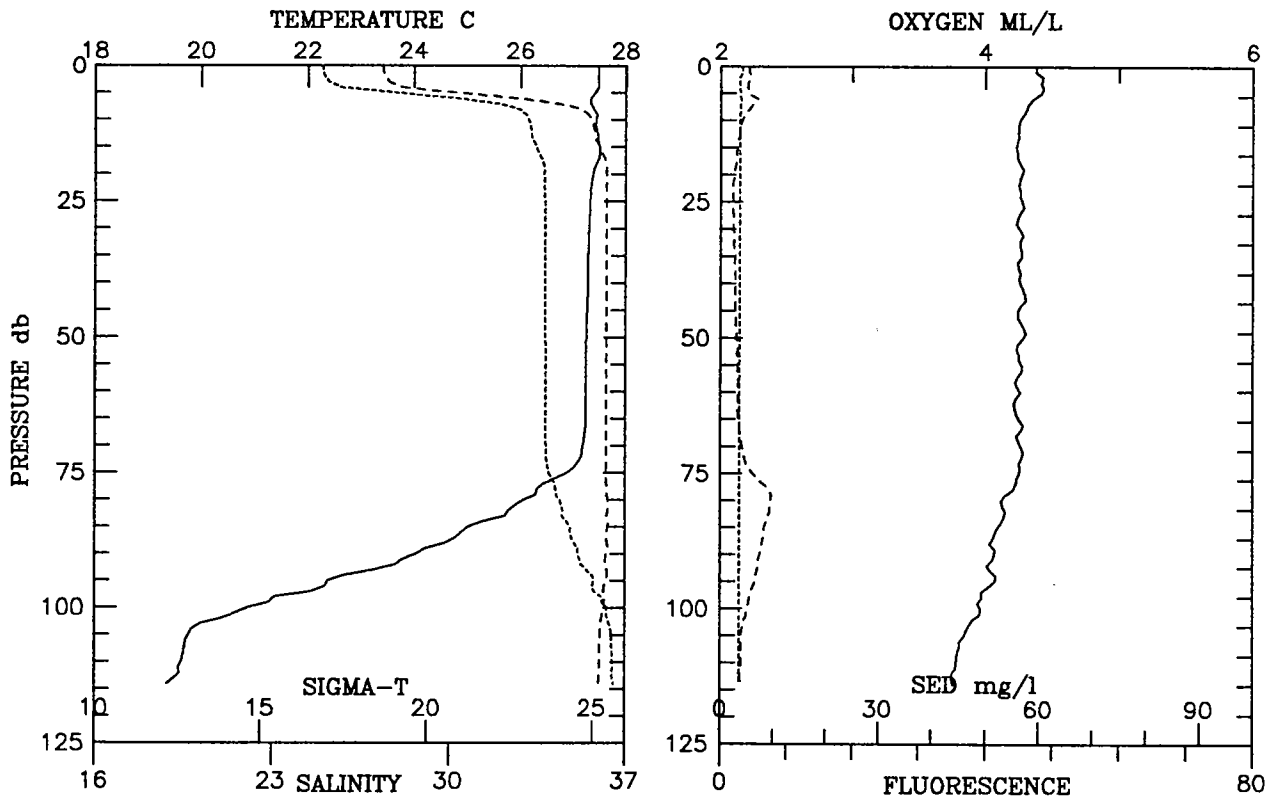
Cruise 19002 Leg 3 Station # 39 Depth m:637 Time: 1990-03-03 23:52  
 Position: 4° 9.90'N 49° 10.00'W Depth Deck Offset: -0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	* 27.175	35.943	23.374	0.0000	4.288	2.3	3.6
10.0	27.184	35.947	23.374	0.0407	4.327	1.8	3.5
20.0	27.140	36.001	23.429	0.0856	4.322	1.9	3.5
30.0	27.160	36.060	23.467	0.1301	4.320	2.1	3.5
40.0	27.191	36.147	23.523	0.1743	4.309	2.3	3.5
50.0	27.233	36.208	23.555	0.2181	4.291	2.9	3.5
60.0	27.216	36.213	23.565	0.2617	4.265	3.4	3.6
70.0	27.130	36.199	23.582	0.3053	4.259	4.1	3.7
80.0	27.012	36.181	23.606	0.3488	4.252	5.8	3.7
100.0	25.711	36.253	24.071	0.4342	4.074	7.2	3.7
150.0	15.517	35.622	26.337	0.5526	3.963	1.6	3.4
200.0	11.719	35.148	26.758	0.6295	3.572	1.3	3.4
250.0	10.481	35.011	26.877	0.6942	3.189	1.3	3.8
300.0	9.886	34.952	26.935	0.7545	3.099	1.4	4.5
400.0	8.061	34.708	27.035	0.8695	3.161	1.4	5.9
500.0	7.092	34.626	27.112	0.9769	3.185	1.6	6.9
600.0	6.274	34.568	27.176	1.0763	3.037	1.6	7.0



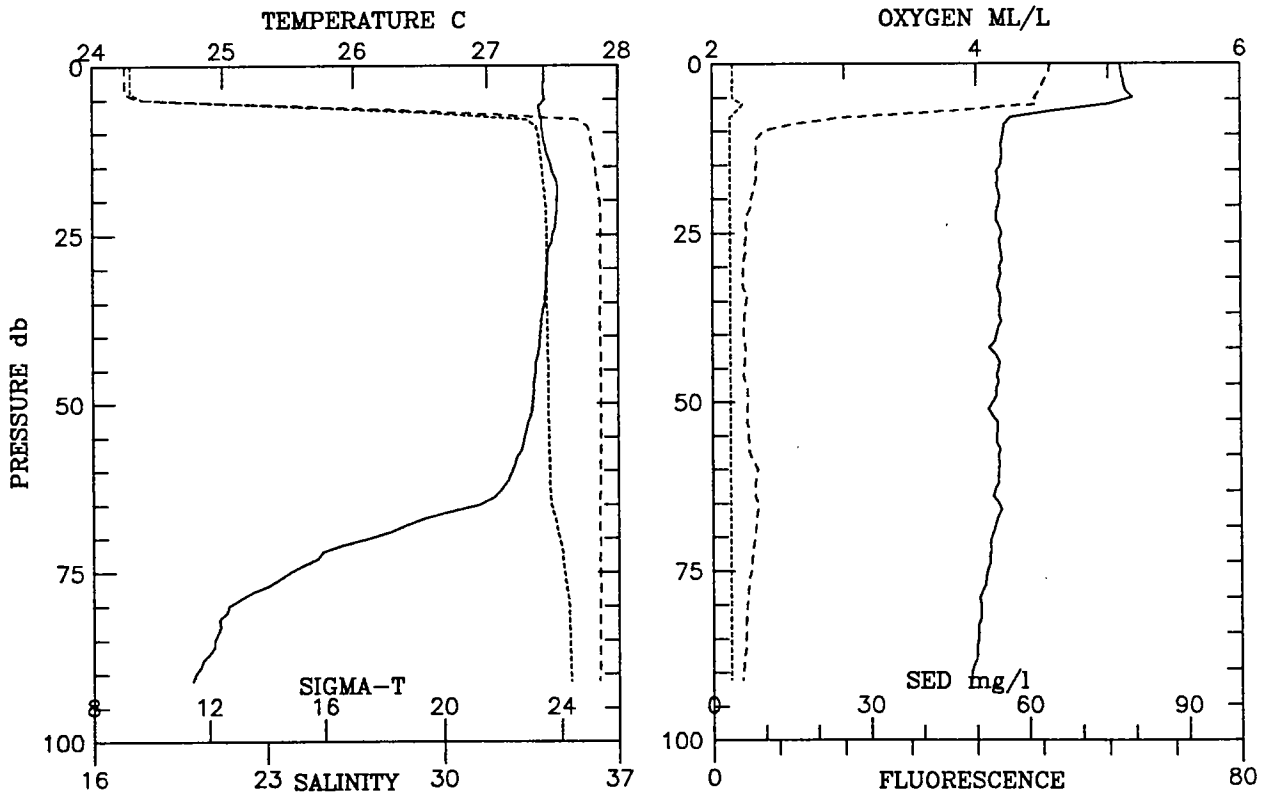
Cruise 19002 Leg 3 Station # 40 Depth m:119 Time: 1990-03-04 02:08  
 Position: 3° 58.20'N 49° 20.50'W Depth Deck Offset: -0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.470	27.387	16.851	0.0000	4.380	4.3	4.1
10.0		27.418	35.617	23.050	0.0815	4.258	3.3	3.6
20.0		27.374	36.219	23.518	0.1275	4.275	2.0	3.6
30.0		27.298	36.218	23.542	0.1713	4.256	1.9	3.6
40.0		27.275	36.216	23.548	0.2149	4.263	2.2	3.6
50.0		27.253	36.213	23.552	0.2586	4.282	2.4	3.6
60.0		27.248	36.219	23.558	0.3023	4.263	2.7	3.6
70.0		27.182	36.219	23.580	0.3460	4.267	3.3	3.6
80.0		26.060	36.300	23.997	0.3881	4.120	7.6	3.6
90.0		24.047	36.222	24.555	0.4251	4.071	6.0	3.6
100.0		20.890	36.194	25.435	0.4554	3.969	4.1	3.6
110.0		19.636	35.970	25.599	0.4804	3.787	3.1	3.6
114.0		19.378	35.933	25.638	0.4901	3.766	3.1	3.6



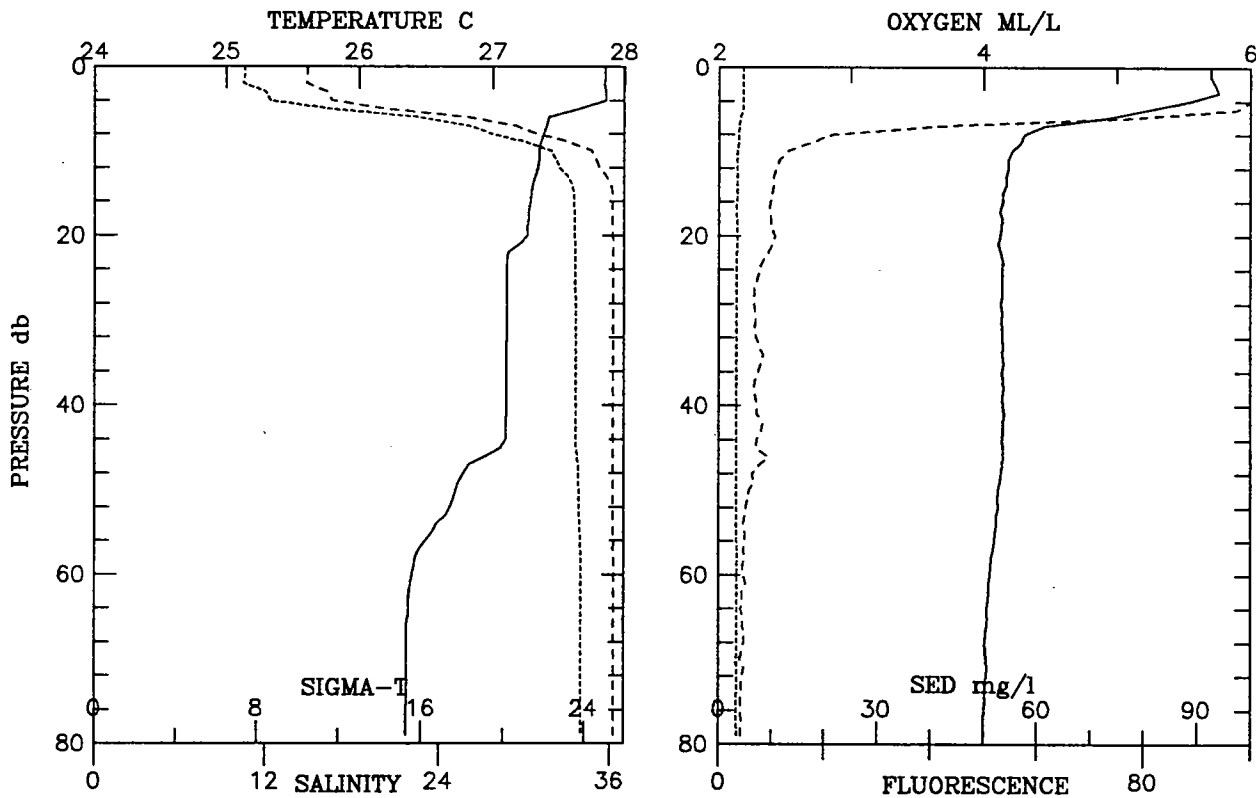
Cruise 19002 Leg 3 Station # 41 Depth m:95 Time: 1990-03-04 04:01  
 Position: 3° 46.40'N 49° 31.20'W Depth Deck Offset: 2.15 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.428	17.292	9.313	0.0000	5.090	51.3	3.8
5.0	27.434	17.820	9.706	0.0905	5.184	49.0	3.8
10.0	27.418	35.853	23.228	0.1323	4.209	7.7	3.4
15.0	27.482	36.066	23.368	0.1553	4.185	6.7	3.4
20.0	27.529	36.234	23.479	0.1777	4.179	5.9	3.4
25.0	27.494	36.268	23.516	0.1997	4.197	5.2	3.4
30.0	27.450	36.264	23.527	0.2216	4.176	4.6	3.4
35.0	27.434	36.263	23.532	0.2435	4.188	5.1	3.4
40.0	27.396	36.262	23.543	0.2654	4.157	4.7	3.4
45.0	27.363	36.265	23.556	0.2873	4.172	4.8	3.4
50.0	27.338	36.266	23.565	0.3091	4.126	5.3	3.4
55.0	27.278	36.265	23.584	0.3308	4.158	5.4	3.4
60.0	27.184	36.256	23.607	0.3525	4.168	6.8	3.4
65.0	26.934	36.224	23.663	0.3740	4.171	6.8	3.4
70.0	26.108	36.248	23.943	0.3947	4.114	6.3	3.4
75.0	25.507	36.234	24.120	0.4142	4.078	5.8	3.4
80.0	25.038	36.225	24.257	0.4331	4.029	5.1	3.4
85.0	24.929	36.218	24.285	0.4516	4.009	4.9	3.4
90.0	24.781	36.208	24.323	0.4699	3.957	4.5	3.4
91.0	24.761	36.206	24.328	0.4736	3.957	4.4	3.4



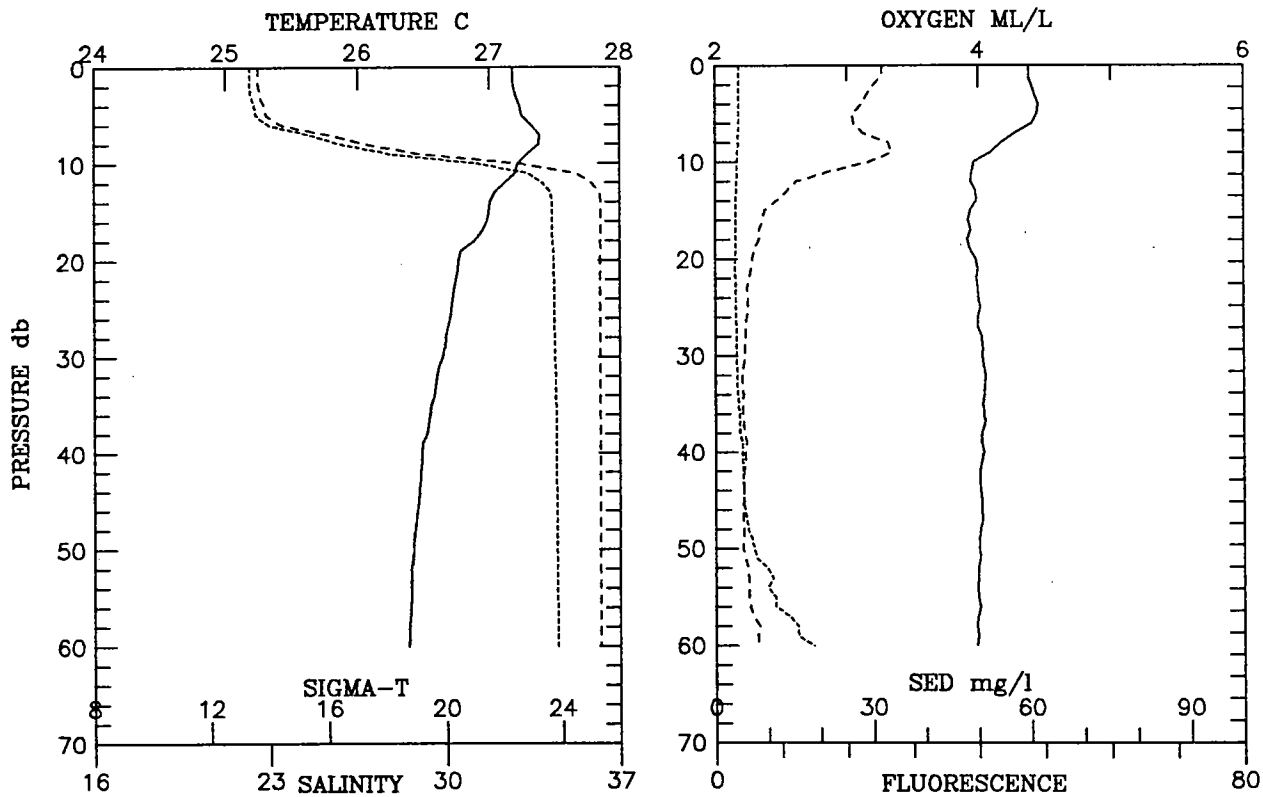
Cruise 19002 Leg 3 Station # 42 Depth m:87 Time: 1990-03-04 06:00  
 Position: 3° 33.50'N 49° 44.80'W Depth Deck Offset: -0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 27.851	14.916	7.413	0.0000	5.709	100.0	4.6
5.0	27.652	20.289	11.484	0.0958	5.236	97.6	4.5
10.0	27.348	34.664	22.356	0.1426	4.212	13.0	3.5
15.0	27.288	36.144	23.489	0.1671	4.149	10.1	3.5
20.0	27.259	36.176	23.523	0.1891	4.126	10.6	3.5
25.0	27.105	36.179	23.574	0.2108	4.142	7.4	3.4
30.0	27.105	36.181	23.576	0.2325	4.138	7.0	3.4
35.0	27.100	36.183	23.579	0.2542	4.150	8.1	3.4
40.0	27.100	36.185	23.581	0.2759	4.146	7.2	3.4
45.0	27.059	36.196	23.602	0.2975	4.147	7.1	3.4
50.0	26.720	36.223	23.731	0.3187	4.114	5.8	3.4
55.0	26.543	36.226	23.789	0.3396	4.087	5.0	3.4
60.0	26.391	36.232	23.842	0.3602	4.051	4.7	3.5
65.0	26.362	36.232	23.851	0.3806	4.029	4.5	3.5
70.0	26.353	36.232	23.854	0.4011	4.020	4.2	3.5
75.0	26.351	36.232	23.854	0.4215	4.009	4.2	3.4
79.0	26.348	36.232	23.856	0.4379	4.007	4.2	3.5



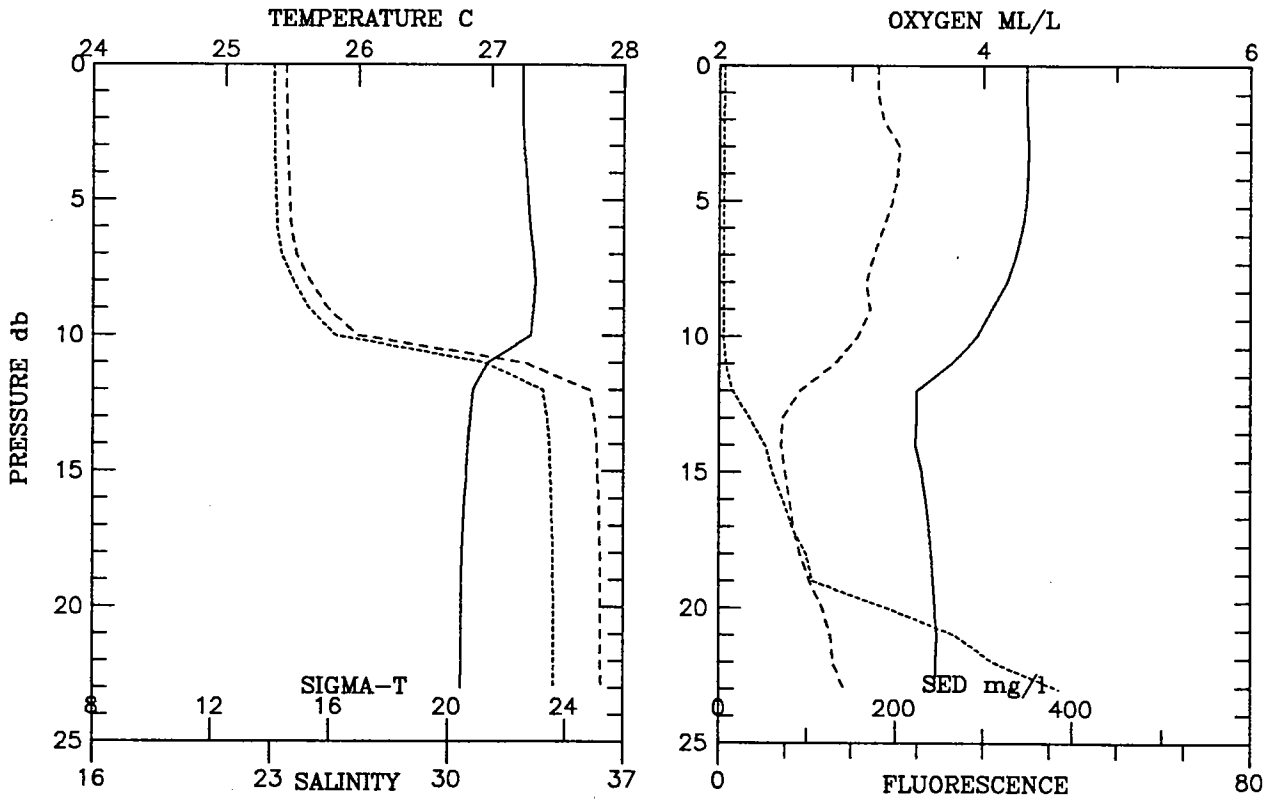
Cruise 19002 Leg 3 Station # 43 Depth m:65 Time: 1990-03-04 09:01  
 Position: 3° 24.50'N 49° 55.50'W Depth Deck Offset: -0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.180	22.560	13.326	0.0000	4.386	25.4	4.4
5.0	27.246	22.889	13.552	0.0707	4.445	20.8	4.4
10.0	27.218	32.981	21.131	0.1275	3.970	23.3	4.1
15.0	26.993	36.226	23.646	0.1512	3.939	7.4	3.8
20.0	26.760	36.201	23.701	0.1724	3.982	5.6	3.7
25.0	26.707	36.202	23.719	0.1934	4.016	4.9	3.8
30.0	26.638	36.205	23.743	0.2143	4.030	4.5	3.9
35.0	26.549	36.207	23.773	0.2351	4.036	4.1	4.3
40.0	26.482	36.203	23.792	0.2559	4.039	4.5	5.1
45.0	26.455	36.203	23.800	0.2765	4.026	4.2	5.3
50.0	26.415	36.201	23.811	0.2972	4.004	4.1	7.3
55.0	26.396	36.200	23.816	0.3177	3.998	5.0	11.3
60.0	26.377	36.200	23.822	0.3383	3.988	6.4	18.6



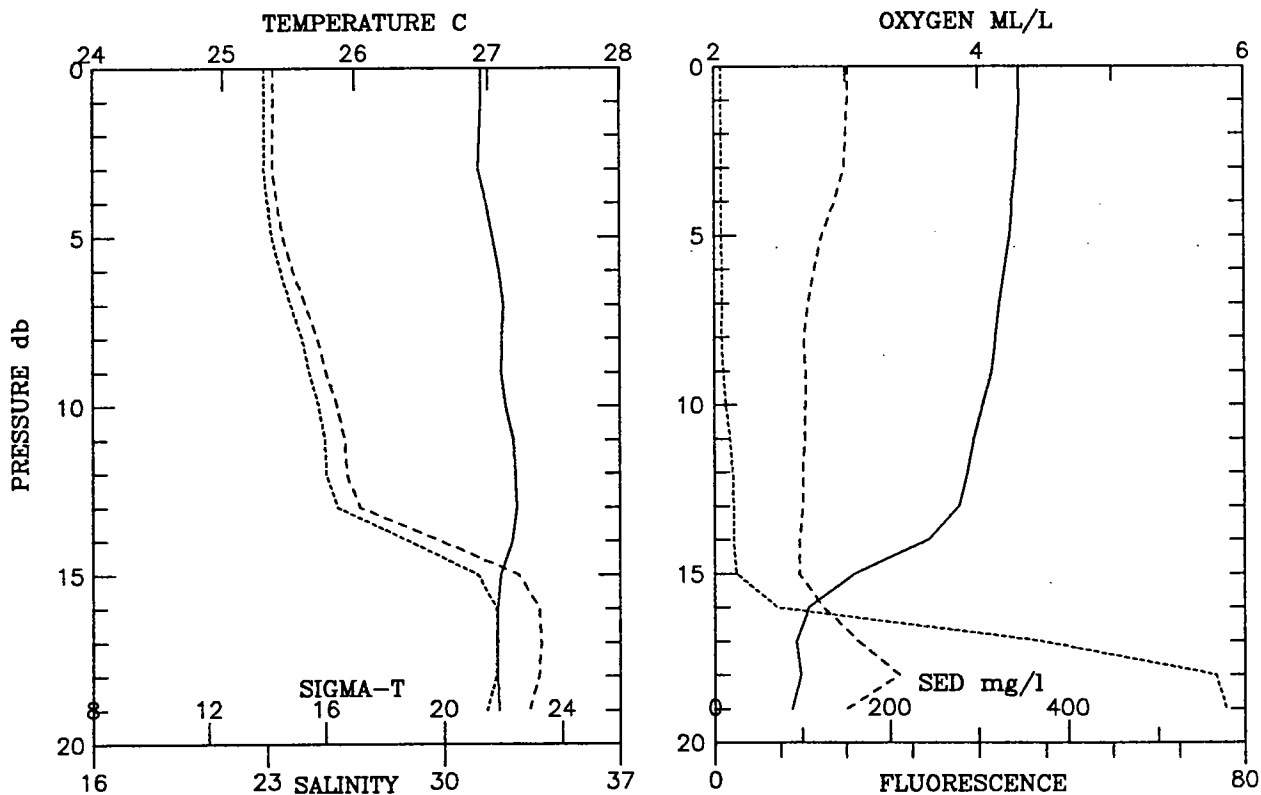
Cruise I9002 Leg 3 Station # 44 Depth m:24 Time: 1990-03-04 11:10  
 Position: 3° 13.30'N 50° 5.80'W Depth Deck Offset: -0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.229	23.630	14.111	0.0000	4.324	24.0
2.0		27.232	23.652	14.127	0.0269	4.331	24.8
4.0		27.261	23.710	14.161	0.0537	4.334	27.0
6.0		27.292	23.814	14.230	0.0804	4.296	24.8
8.0		27.328	24.568	14.783	0.1067	4.181	22.3
10.0		27.294	26.453	16.206	0.1311	3.952	21.0
12.0		26.860	35.629	23.238	0.1456	3.496	12.3
14.0		26.819	35.912	23.465	0.1547	3.486	9.4
16.0		26.795	35.996	23.536	0.1635	3.567	10.7
18.0		26.774	36.062	23.592	0.1722	3.607	12.3
20.0		26.769	36.076	23.604	0.1808	3.639	15.7
22.0		26.769	36.076	23.604	0.1894	3.640	17.3
23.0		26.763	36.087	23.615	0.1937	3.638	18.9



Cruise I9002 Leg 3 Station # 45 Depth m:18 Time: 1990-03-04 12:56  
 Position: 2° 59.90'N 50° 14.80'W Depth Deck Offset: 2.00 Fish 2

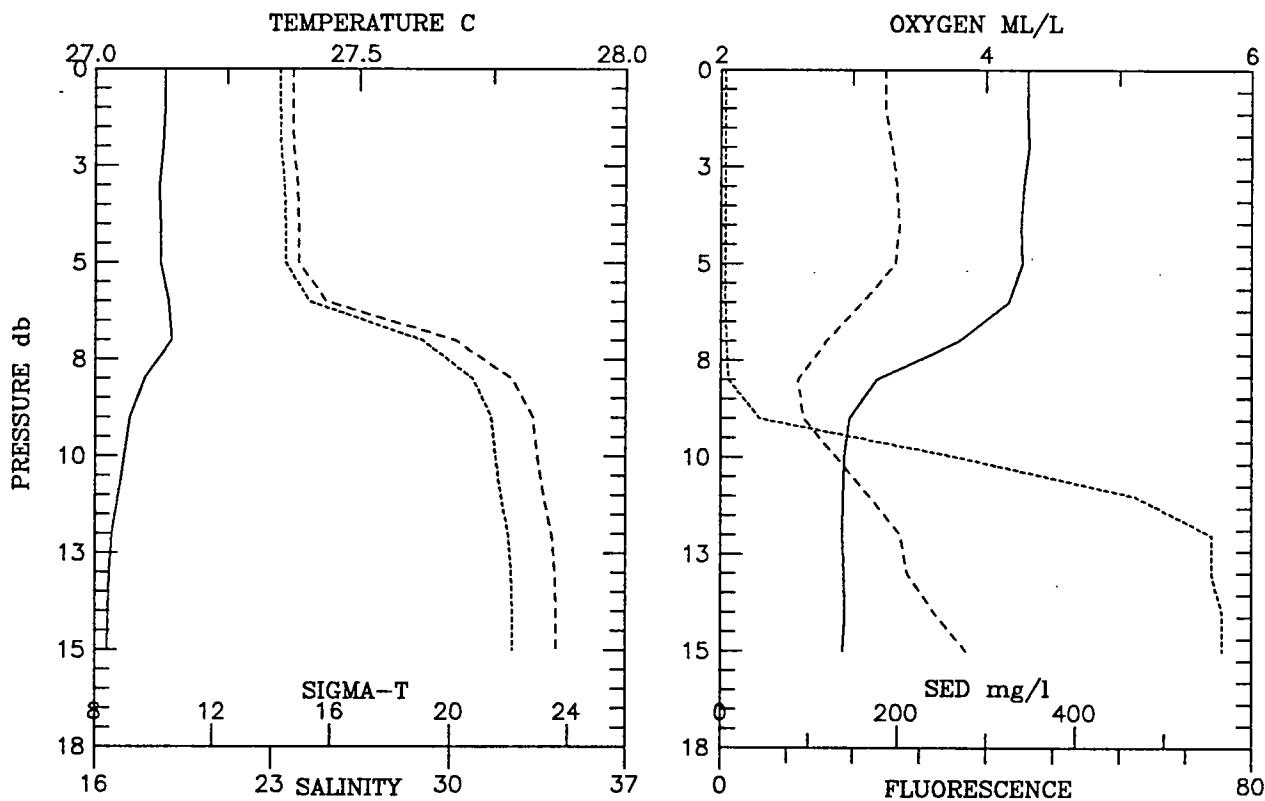
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.944	23.264	13.924	0.0000	4.309	20.4	7.6
1.0		26.944	23.264	13.924	0.0136	4.310	20.4	7.6
2.0	*	26.935	23.248	13.915	0.0273	4.296	20.1	7.6
3.0		26.925	23.233	13.907	0.0409	4.282	19.8	7.6
4.0		26.985	23.417	14.026	0.0545	4.252	18.4	7.7
5.0		27.033	23.635	14.175	0.0679	4.238	16.4	7.9
6.0		27.082	24.035	14.460	0.0812	4.201	15.3	8.0
7.0		27.113	24.522	14.815	0.0941	4.163	14.3	8.0
8.0		27.101	25.016	15.189	0.1067	4.132	13.7	7.9
9.0		27.097	25.346	15.437	0.1190	4.104	13.9	9.7
10.0		27.127	25.789	15.760	0.1310	4.036	13.9	12.8
11.0		27.190	26.096	15.971	0.1427	3.967	13.8	17.4
12.0		27.203	26.170	16.022	0.1543	3.920	13.5	20.4
13.0		27.213	26.701	16.417	0.1657	3.857	13.5	21.1
14.0		27.177	29.901	18.830	0.1758	3.628	13.0	21.1
15.0		27.089	32.941	21.142	0.1835	3.068	12.9	24.4
16.0		27.066	33.759	21.765	0.1899	2.714	16.6	71.6
17.0		27.062	33.821	21.812	0.1959	2.622	21.9	369.4
18.0		27.066	33.731	21.743	0.2020	2.659	28.1	565.5
19.0		27.076	33.345	21.450	0.2082	2.588	20.2	577.7





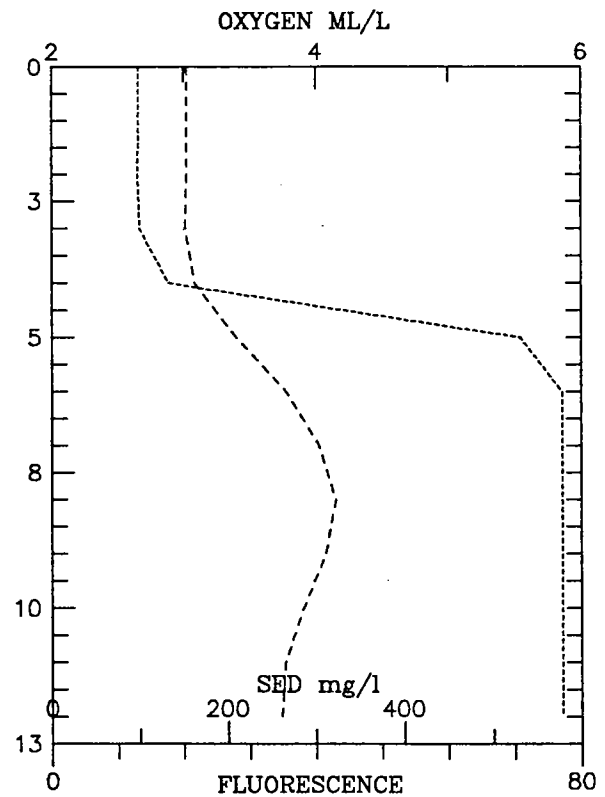
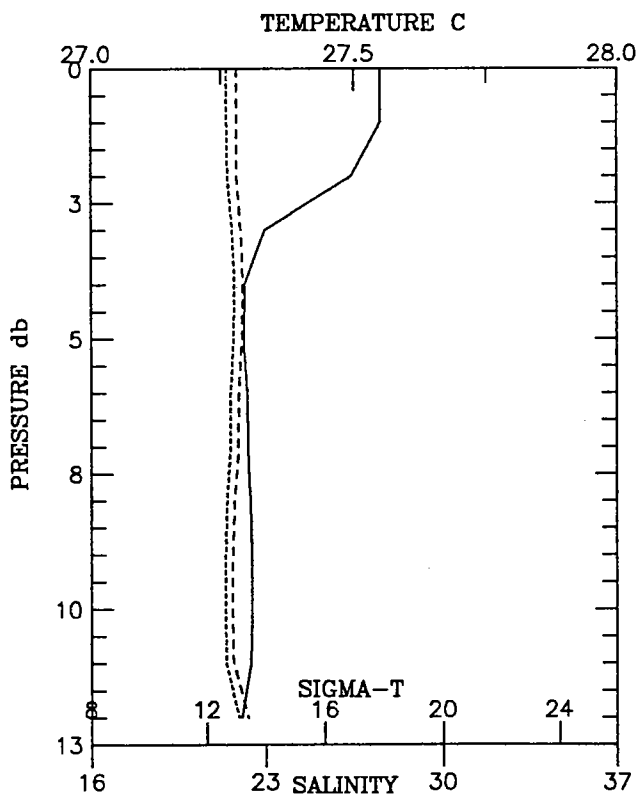
Cruise 19002 Leg 3 Station # 46 Depth m:18 Time: 1990-03-04 15:36  
 Position: 3° 3.70'N 50° 19.90'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.131	23.842	14.300	0.0000	4.312	24.9	4.9
1.0		27.131	23.842	14.300	0.0133	4.313	24.9	4.9
2.0		27.127	23.867	14.320	0.0265	4.321	25.9	4.9
3.0		27.120	24.026	14.441	0.0397	4.282	26.6	4.9
4.0		27.122	24.081	14.482	0.0528	4.264	27.0	4.9
5.0		27.122	24.082	14.483	0.0659	4.270	26.4	4.9
6.0		27.139	25.162	15.286	0.0786	4.171	21.5	5.0
7.0		27.144	30.214	19.075	0.0890	3.798	16.1	6.2
8.0		27.092	32.460	20.779	0.0969	3.183	11.8	8.6
9.0		27.065	33.292	21.413	0.1036	2.979	12.6	44.3
10.0		27.055	33.464	21.546	0.1099	2.941	17.6	268.4
11.0		27.044	33.698	21.726	0.1161	2.929	22.5	466.9
12.0		27.032	34.032	21.981	0.1220	2.922	27.2	553.6
13.0		27.027	34.170	22.086	0.1278	2.937	28.2	553.6
14.0		27.024	34.216	22.122	0.1336	2.942	32.2	565.5
15.0		27.024	34.218	22.124	0.1393	2.930	37.0	565.5



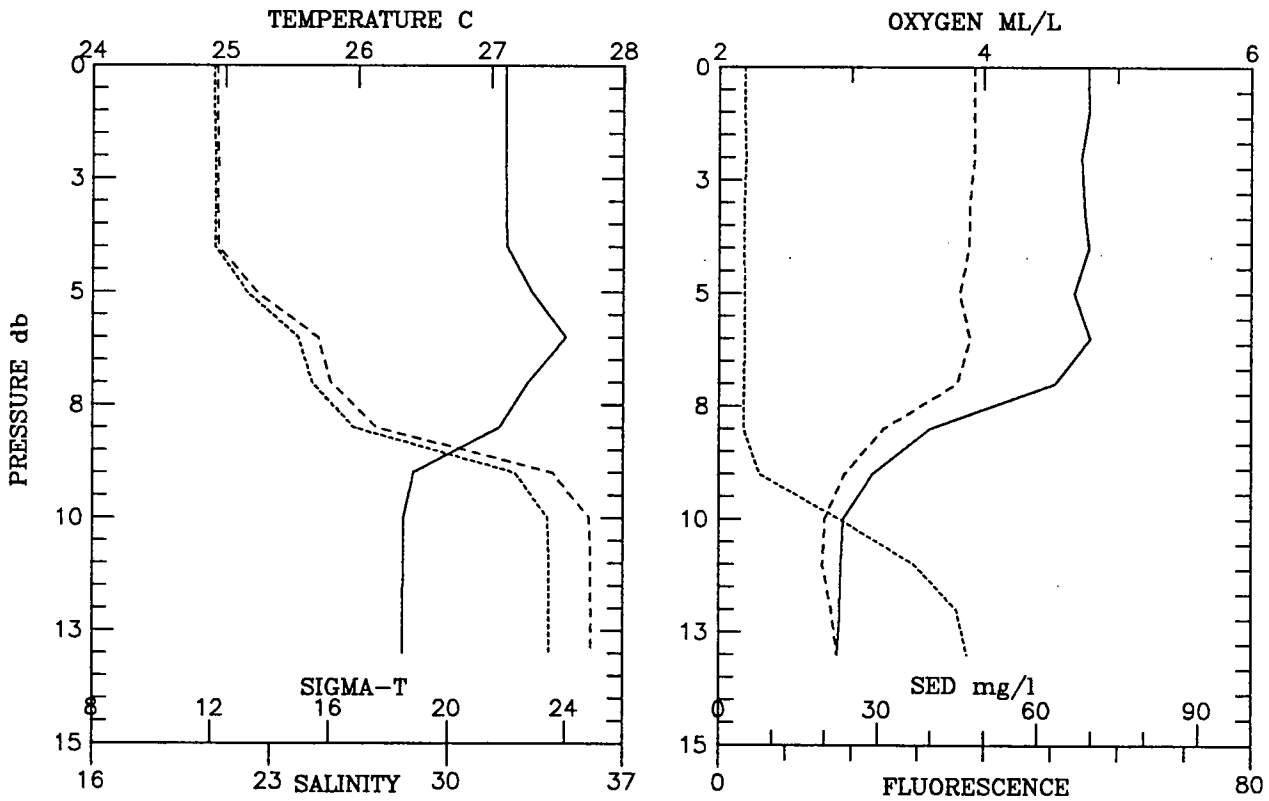
Cruise 19002 Leg 3 Station # 47 Depth m:15 Time: 1990-03-04 18:01  
 Position: 2° 47.70'N 50° 26.60'W Depth Deck Offset: 0.20 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.549	21.885	12.708	0.0000	0.000	20.5	98.5
1.0	27.549	21.885	12.708	0.0148	0.000	20.5	98.5
2.0	27.495	21.897	12.734	0.0296	0.000	20.5	97.8
3.0	27.332	22.048	12.896	0.0443	0.000	20.3	100.0
4.0	27.295	22.128	12.967	0.0589	0.000	21.7	133.0
5.0	27.293	22.080	12.932	0.0735	0.000	28.0	530.5
6.0	27.299	21.959	12.840	0.0881	0.000	35.5	577.7
7.0	27.301	21.944	12.828	0.1028	0.000	40.5	577.7
8.0	27.306	21.790	12.711	0.1175	0.000	43.0	577.7
9.0	27.308	21.724	12.661	0.1324	0.000	41.5	577.7
10.0	27.308	21.706	12.648	0.1472	0.000	38.1	577.7
11.0	27.306	21.751	12.682	0.1621	0.000	35.3	577.7
12.0	27.288	22.312	13.107	0.1767	3.866	34.8	577.7



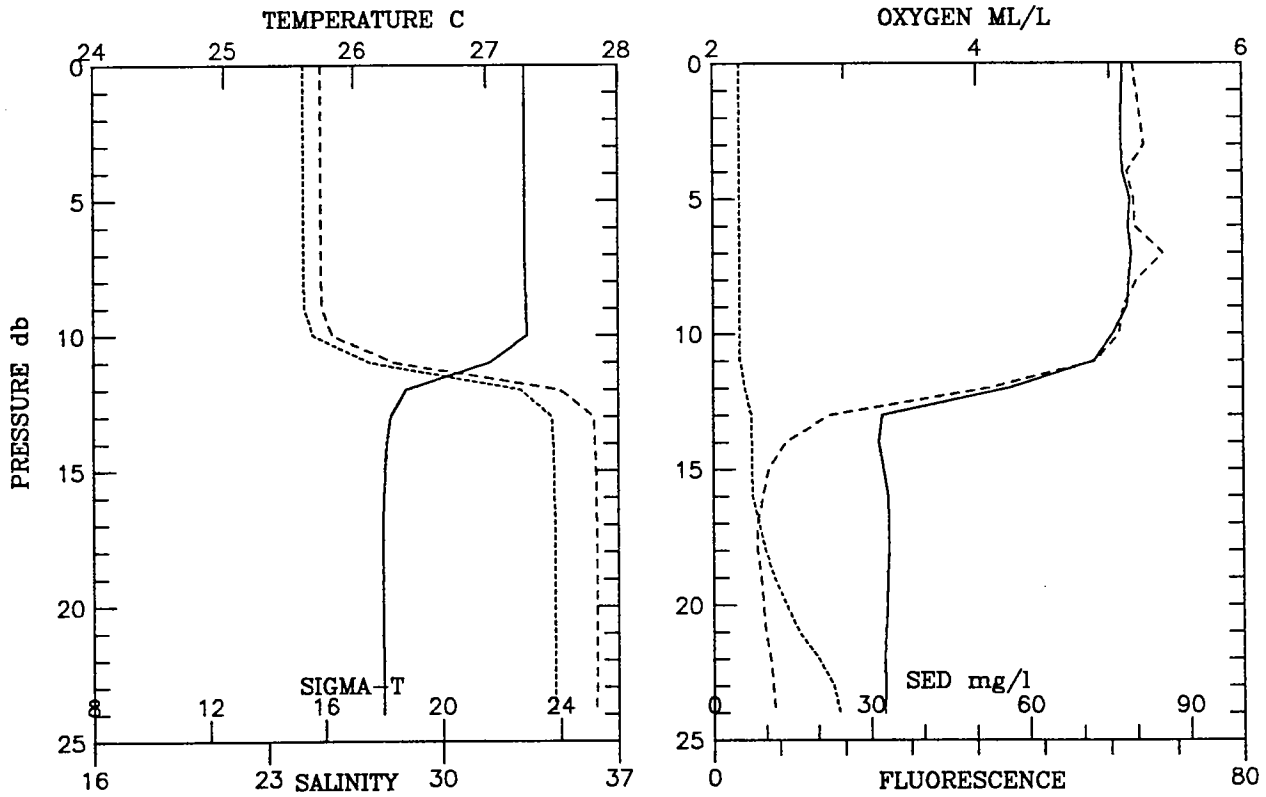
Cruise 19002 Leg 3 Station # 48 Depth m:16 Time: 1990-03-05 02:01  
 Position: 4° 2.10'N 50° 55.80'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.105	20.917	12.119	0.0000	4.784	38.6	4.8
1.0		27.105	20.917	12.119	0.0154	4.785	38.6	4.8
2.0		27.105	20.961	12.152	0.0307	4.731	38.6	5.0
3.0		27.112	20.957	12.147	0.0461	4.754	37.9	4.7
4.0		27.114	20.973	12.159	0.0614	4.788	37.8	4.7
5.0		27.304	22.487	13.233	0.0763	4.678	36.4	4.8
6.0		27.560	24.894	14.955	0.0897	4.797	38.0	4.8
7.0		27.277	25.405	15.426	0.1021	4.534	36.0	4.7
8.0		27.056	27.183	16.827	0.1136	3.595	24.9	4.7
9.0		26.405	34.182	22.292	0.1218	3.164	19.0	7.6
10.0		26.336	35.641	23.414	0.1268	2.940	16.0	22.9
11.0		26.331	35.695	23.456	0.1313	2.927	15.7	37.0
12.0		26.330	35.698	23.458	0.1357	2.915	17.0	44.9
13.0		26.330	35.702	23.462	0.1402	2.895	17.9	46.9



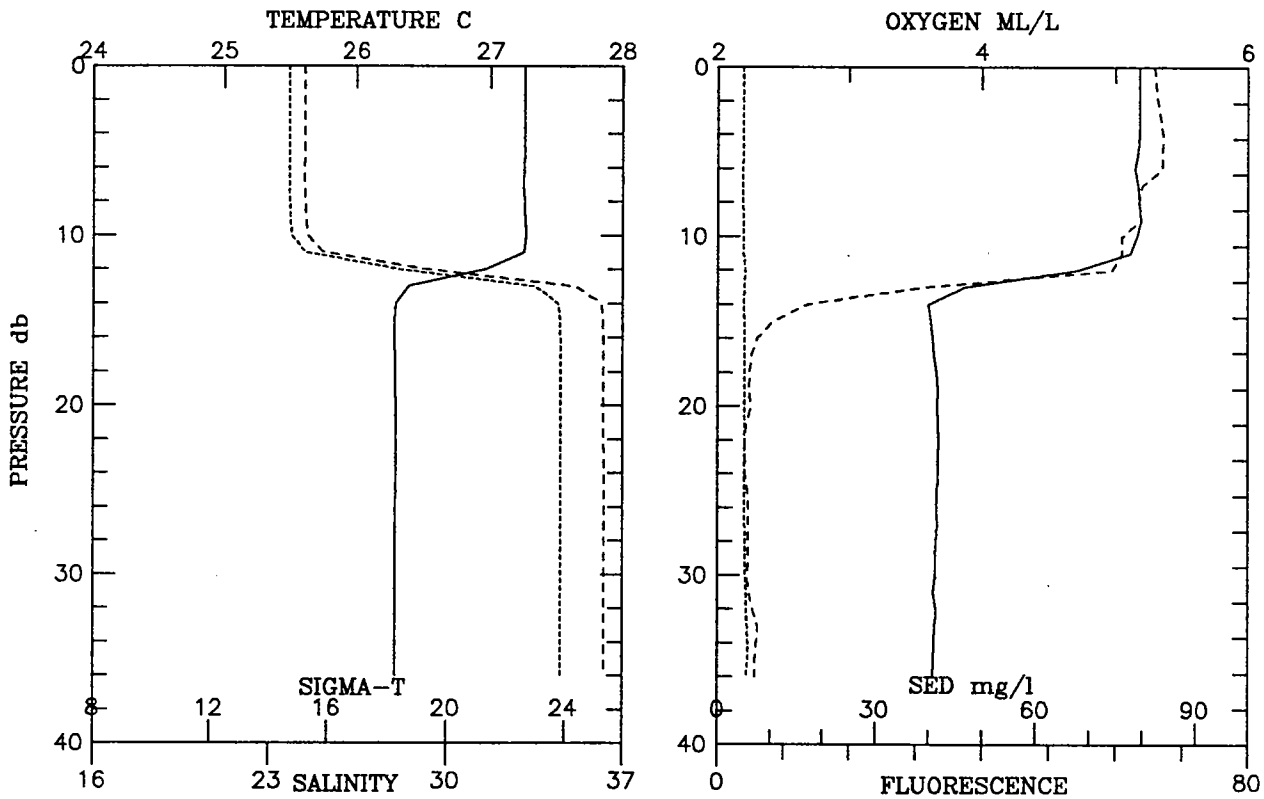
Cruise I9002 Leg 3 Station # 49 Depth m:25 Time: 1990-03-05 03:20  
 Position: 4° 8.60'N 50° 54.10'W Depth Deck Offset: 1.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0		27.291	25.168	15.244	0.0000	5.096	63.5	5.1
2.0	*	27.292	25.167	15.243	0.0247	5.090	64.6	5.0
4.0		27.288	25.161	15.240	0.0494	5.099	62.6	5.0
6.0		27.291	25.172	15.247	0.0741	5.134	63.7	5.0
8.0		27.292	25.182	15.254	0.0987	5.141	64.0	5.0
10.0		27.306	25.623	15.580	0.1232	5.020	61.3	5.0
12.0		26.392	34.654	22.652	0.1420	4.246	41.6	6.0
14.0		26.248	36.055	23.753	0.1508	3.262	11.0	7.3
16.0		26.223	36.101	23.796	0.1591	3.330	7.5	7.5
18.0		26.217	36.114	23.808	0.1673	3.335	6.7	9.9
20.0		26.218	36.116	23.809	0.1756	3.321	7.6	13.9
22.0		26.221	36.114	23.807	0.1838	3.303	8.6	20.1
24.0		26.223	36.103	23.797	0.1920	3.304	9.4	24.0



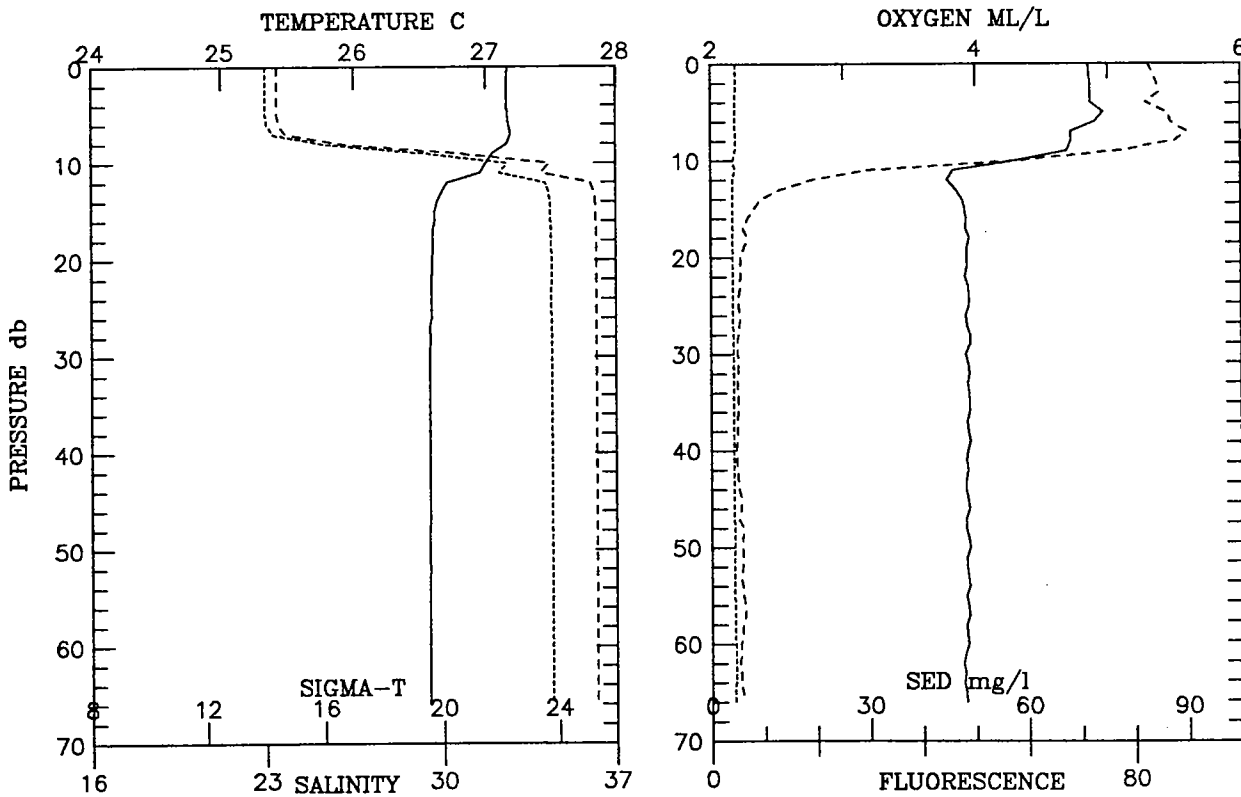
Cruise I9002 Leg 3 Station # 50 Depth m:36 Time: 1990-03-05 04:36  
 Position: 4° 14.40'N 50° 49.40'W Depth Deck Offset: 2.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0		27.254	24.422	14.697	0.0000	5.178	65.8	4.8
2.0	*	27.254	24.422	14.697	0.0257	5.178	66.3	4.8
4.0		27.254	24.421	14.696	0.0515	5.179	67.1	4.8
6.0		27.251	24.418	14.695	0.0772	5.144	67.0	4.7
8.0		27.255	24.434	14.705	0.1030	5.180	63.5	4.7
10.0		27.265	24.528	14.773	0.1287	5.162	61.0	4.8
12.0		26.965	29.208	18.375	0.1521	4.718	59.5	5.2
14.0		26.288	36.127	23.795	0.1636	3.600	13.8	4.9
16.0		26.282	36.215	23.864	0.1718	3.634	6.0	5.0
18.0		26.285	36.226	23.871	0.1799	3.659	4.8	5.0
20.0		26.288	36.231	23.874	0.1880	3.665	5.0	5.0
22.0		26.288	36.232	23.875	0.1961	3.675	4.1	5.0
24.0		26.288	36.233	23.875	0.2042	3.671	4.1	5.0
26.0		26.287	36.235	23.877	0.2123	3.664	4.6	5.1
28.0		26.286	36.234	23.877	0.2204	3.657	4.6	5.2
30.0		26.286	36.234	23.877	0.2285	3.654	4.5	5.2
32.0		26.285	36.234	23.877	0.2366	3.656	5.3	5.4
34.0		26.284	36.234	23.877	0.2447	3.643	5.9	5.7
36.0		26.285	36.234	23.877	0.2528	3.632	5.7	5.5



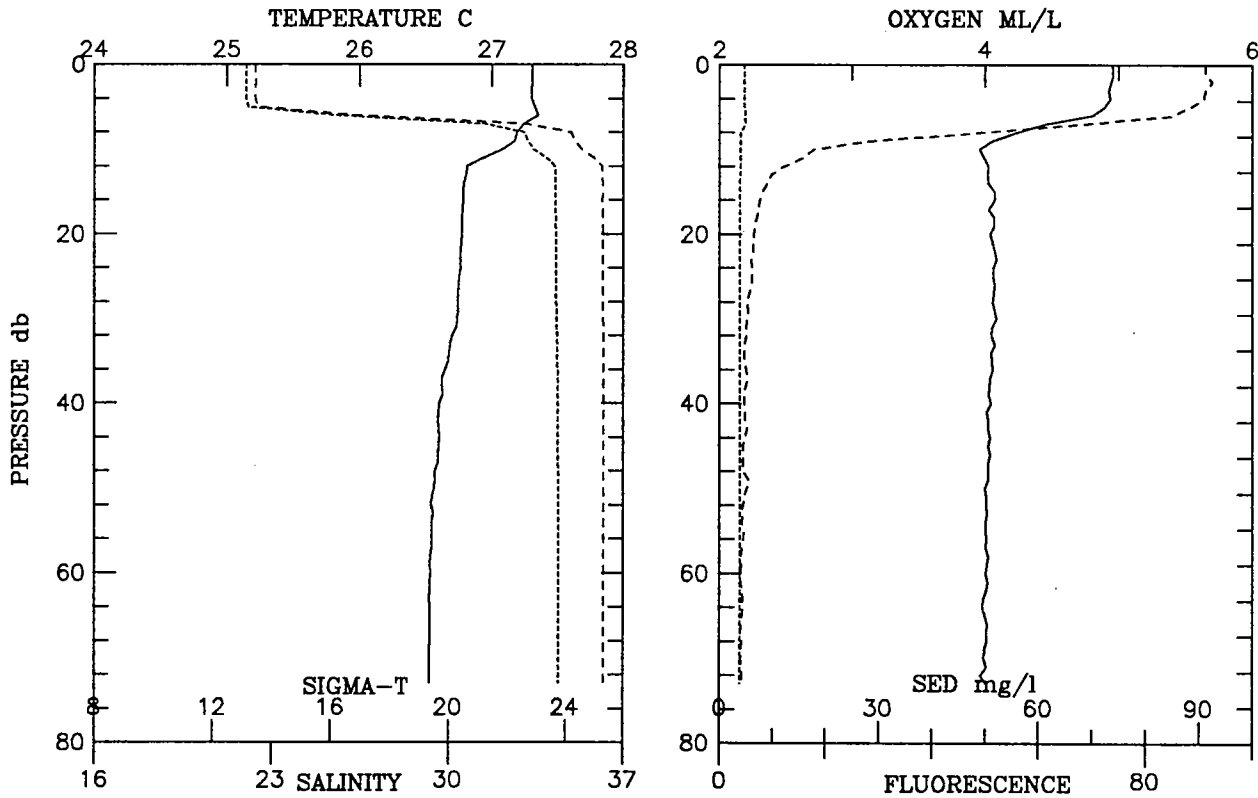
Cruise 19002 Leg 3 Station # 51 Depth m:69 Time: 1990-03-05 07:14  
 Position: 4° 20.10'N 50° 42.50'W Depth Deck Offset: 1.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	27.162	23.478	14.018	0.0000	4.854	82.7	4.7
5.0	27.164	23.478	14.018	0.0677	4.966	86.4	4.6
10.0	26.997	34.314	22.204	0.1239	4.320	58.1	4.2
15.0	26.605	36.176	23.732	0.1474	3.920	8.0	4.1
20.0	26.585	36.199	23.756	0.1683	3.933	5.5	4.1
25.0	26.582	36.187	23.748	0.1891	3.947	5.2	4.1
30.0	26.565	36.205	23.767	0.2099	3.924	4.9	4.2
35.0	26.567	36.204	23.765	0.2307	3.952	5.0	4.2
40.0	26.568	36.204	23.765	0.2515	3.937	4.7	4.2
45.0	26.566	36.204	23.765	0.2723	3.941	5.6	4.2
50.0	26.562	36.205	23.768	0.2931	3.951	5.8	4.3
55.0	26.563	36.206	23.768	0.3139	3.923	5.9	4.2
60.0	26.561	36.206	23.768	0.3348	3.936	5.4	4.4
65.0	26.562	36.207	23.769	0.3556	3.920	5.7	4.3
66.0	26.562	36.207	23.769	0.3598	3.922	5.9	4.3



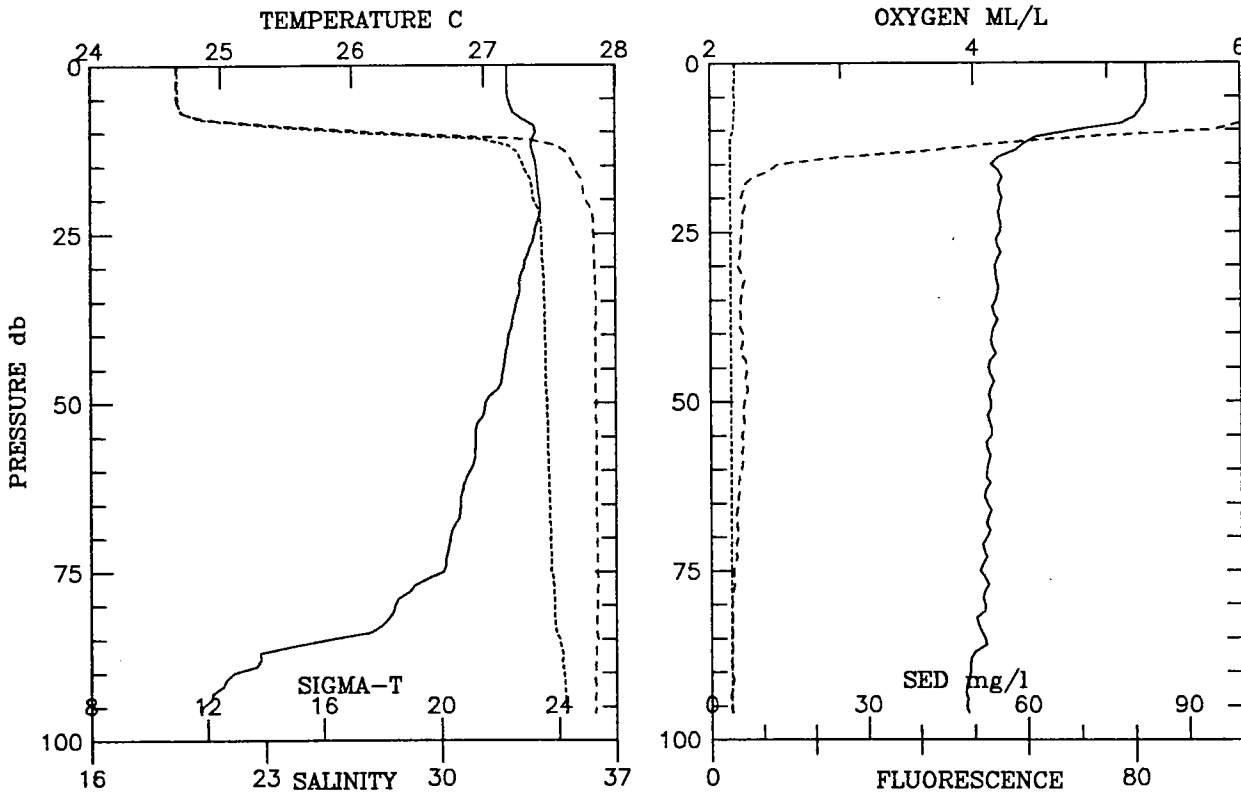
Cruise 19002 Leg 3 Station # 52 Depth m:78 Time: 1990-03-05 08:56  
 Position: 4° 28.40'N 50° 30.80'W Depth Deck Offset: -0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.302	22.380	13.154	0.0000	4.955	91.2	4.7
5.0		27.326	22.480	13.221	0.0718	4.895	88.3	4.7
10.0		27.086	35.301	22.919	0.1099	3.962	17.9	3.9
15.0		26.779	36.158	23.663	0.1318	4.075	8.1	3.8
20.0		26.769	36.160	23.668	0.1531	4.039	6.5	3.8
25.0		26.749	36.170	23.682	0.1743	4.065	6.2	3.8
30.0		26.736	36.184	23.696	0.1954	4.089	5.2	3.8
35.0		26.668	36.193	23.725	0.2164	4.056	4.7	3.8
40.0		26.601	36.194	23.747	0.2374	4.045	4.7	3.8
45.0		26.596	36.192	23.747	0.2583	4.026	4.4	3.8
50.0		26.563	36.191	23.757	0.2792	4.000	5.2	3.8
55.0		26.543	36.190	23.762	0.3000	4.005	4.5	3.8
60.0		26.531	36.189	23.765	0.3209	4.005	4.0	3.8
65.0		26.530	36.190	23.766	0.3417	4.002	4.2	3.8
70.0		26.522	36.190	23.769	0.3626	3.991	4.0	3.8
73.0		26.525	36.190	23.768	0.3751	4.006	4.2	3.8



Cruise I9002 Leg 3 Station # 53 Depth m:95 Time: 1990-03-05 10:47  
 Position: 4° 39.70'N 50° 23.00'W Depth Deck Offset: 2.05 Fish 2

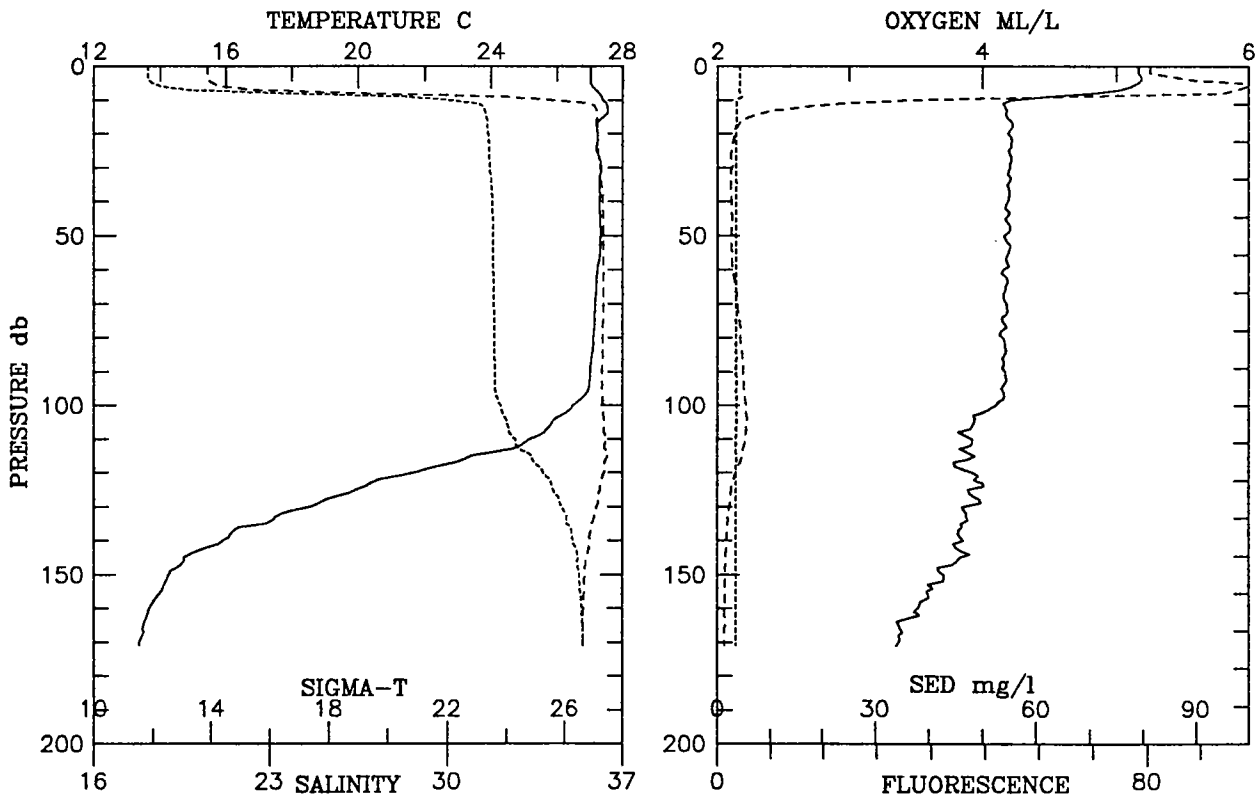
PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (mL/L)	FLUORES (%)	SED CONC (mg/L)
0.0	27.175	19.466	11.014	0.0000	5.292	100.0	4.7
5.0	27.181	19.486	11.027	0.0823	5.294	100.0	4.6
10.0	27.386	27.759	17.156	0.1577	4.768	94.9	4.4
15.0	27.392	35.335	22.846	0.1877	4.136	13.0	3.8
20.0	27.420	35.781	23.173	0.2118	4.215	5.9	3.8
25.0	27.376	36.111	23.436	0.2345	4.201	5.8	3.8
30.0	27.298	36.152	23.492	0.2567	4.163	5.3	3.8
35.0	27.240	36.188	23.538	0.2787	4.166	5.8	3.8
40.0	27.180	36.183	23.553	0.3006	4.136	6.1	3.8
45.0	27.137	36.173	23.560	0.3224	4.111	6.9	3.8
50.0	27.006	36.188	23.613	0.3441	4.127	6.4	3.8
55.0	26.933	36.189	23.637	0.3656	4.131	5.9	3.8
60.0	26.886	36.198	23.659	0.3870	4.101	5.9	3.8
65.0	26.811	36.209	23.691	0.4083	4.098	5.1	3.8
70.0	26.737	36.221	23.724	0.4294	4.097	5.1	3.8
75.0	26.685	36.232	23.749	0.4504	4.046	4.3	3.8
80.0	26.313	36.217	23.855	0.4711	4.079	4.0	3.8
85.0	25.821	36.249	24.034	0.4914	4.079	3.9	3.8
90.0	25.087	36.133	24.173	0.5106	3.970	3.8	3.8
95.0	24.845	36.141	24.253	0.5294	3.940	3.7	3.8
96.0	24.839	36.122	24.241	0.5332	3.955	3.9	3.8





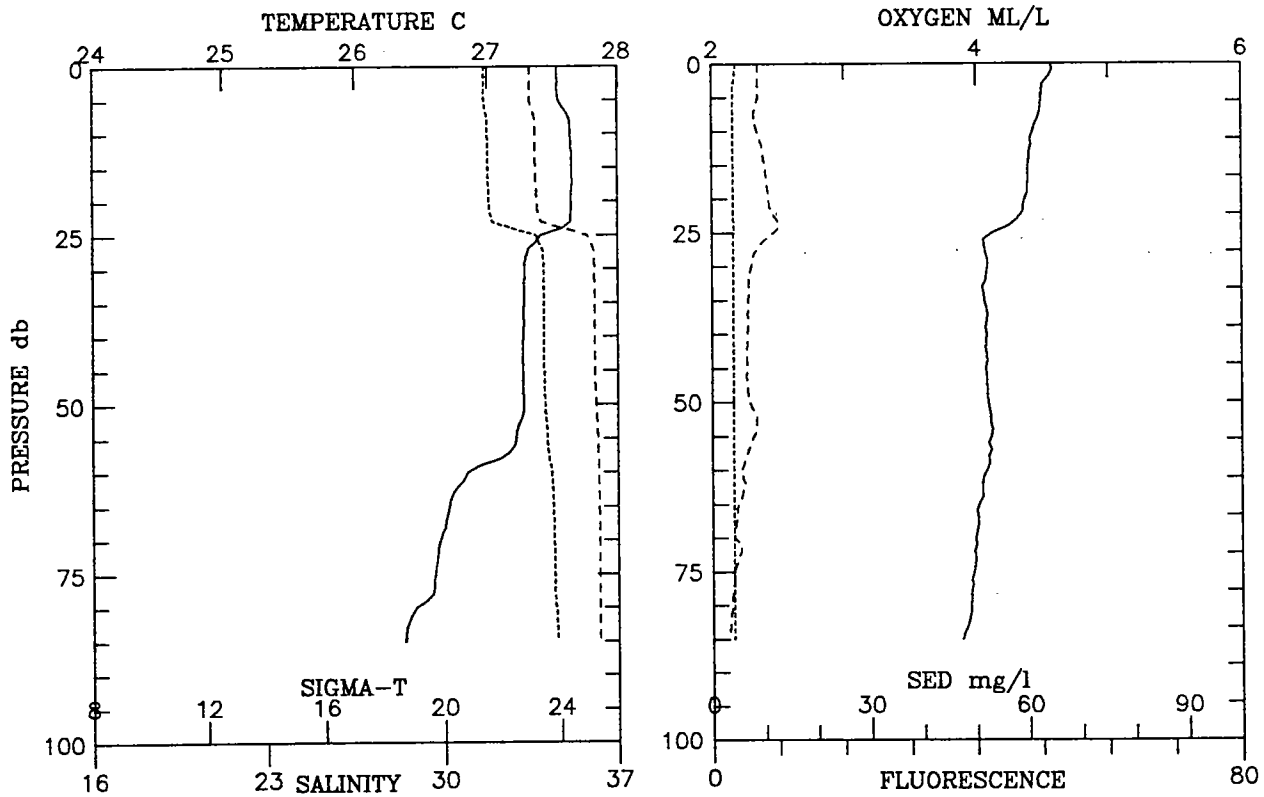
Cruise 19002 Leg 3 Station # 54 Depth m:175 Time: 1990-03-05 12:32  
 Position: 4° 51.60'N 50° 13.40'W Depth Deck Offset: -0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 27.031	20.517	11.843	0.0000	5.166	80.5	4.2
10.0	27.385	34.297	22.068	0.1368	4.217	36.7	3.6
20.0	27.237	35.986	23.387	0.1834	4.191	3.2	3.5
30.0	27.348	36.107	23.442	0.2283	4.206	2.7	3.5
40.0	27.287	36.205	23.536	0.2725	4.189	2.6	3.5
50.0	27.323	36.232	23.544	0.3162	4.161	2.7	3.5
60.0	27.232	36.215	23.561	0.3600	4.154	2.9	3.5
70.0	27.160	36.215	23.584	0.4035	4.181	3.7	3.5
80.0	27.101	36.205	23.595	0.4470	4.153	4.3	3.5
90.0	27.003	36.176	23.605	0.4904	4.171	4.8	3.5
100.0	26.479	36.213	23.800	0.5333	4.100	5.3	3.6
110.0	25.157	36.339	24.307	0.5729	3.922	5.2	3.5
120.0	21.687	36.250	25.257	0.6054	3.930	3.4	3.5
130.0	18.552	35.955	25.866	0.6297	3.850	2.2	3.5
140.0	15.907	35.679	26.292	0.6492	3.854	1.7	3.5
150.0	14.255	35.479	26.504	0.6658	3.709	1.5	3.5
160.0	13.677	35.425	26.584	0.6813	3.514	1.3	3.5
170.0	13.364	35.393	26.624	0.6962	3.374	1.3	3.5
171.0	13.362	35.393	26.624	0.6977	3.356	1.3	3.5



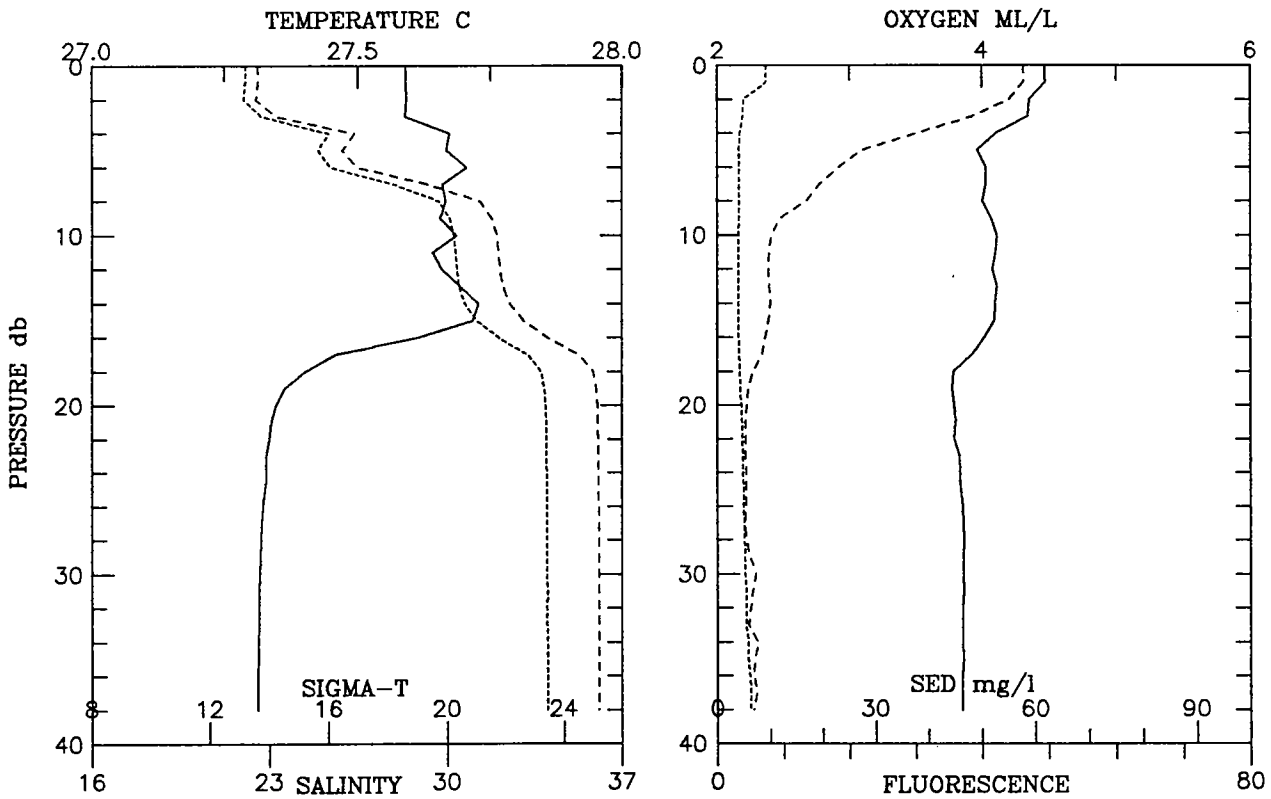
Cruise 19002 Leg 3 Station # 57 Depth m:87 Time: 1990-03-07 02:44  
 Position: 2° 27.20'N 48° 27.30'W Depth Deck Offset: 0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.532	33.448	21.382	0.0000	4.575	6.9	4.4
5.0		27.541	33.455	21.384	0.0321	4.495	6.9	4.0
10.0		27.635	33.658	21.506	0.0638	4.430	6.8	4.0
15.0		27.645	33.669	21.511	0.0954	4.392	8.0	4.0
20.0		27.639	33.710	21.544	0.1268	4.368	8.6	4.0
25.0		27.401	35.750	23.156	0.1565	4.123	9.3	4.0
30.0		27.281	36.035	23.409	0.1793	4.083	5.9	4.0
35.0		27.275	36.037	23.413	0.2017	4.060	5.4	4.0
40.0		27.268	36.036	23.414	0.2242	4.078	5.3	4.0
45.0		27.265	36.048	23.424	0.2467	4.068	5.2	4.0
50.0		27.270	36.089	23.454	0.2691	4.089	5.6	3.9
55.0		27.211	36.161	23.527	0.2912	4.115	6.2	3.9
60.0		26.845	36.202	23.675	0.3129	4.077	4.3	3.9
65.0		26.702	36.209	23.726	0.3340	4.017	3.8	3.9
70.0		26.635	36.213	23.750	0.3551	3.992	3.3	3.9
75.0		26.594	36.215	23.765	0.3760	3.978	3.2	3.9
80.0		26.451	36.223	23.816	0.3968	3.953	2.9	3.9
85.0		26.369	36.225	23.844	0.4174	3.888	2.4	3.9



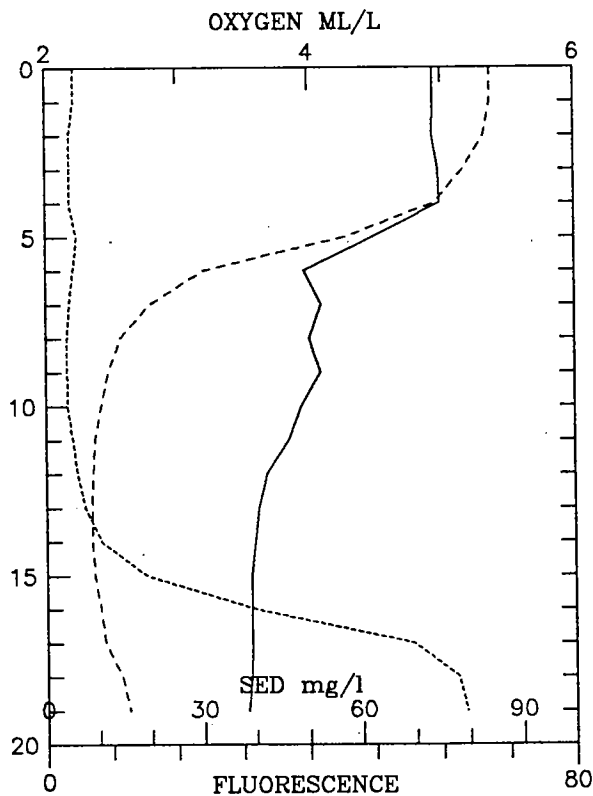
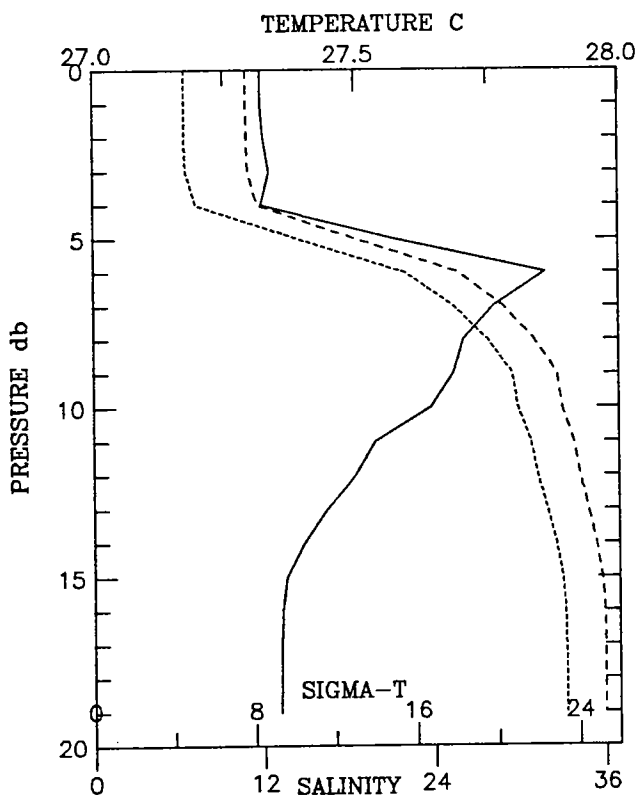
Cruise I9002 Leg 3 Station # 58 Depth m:42 Time: 1990-03-07 04:40  
 Position: 2° 14.30'N 48° 41.00'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.589	22.580	13.215	0.0000	4.473	46.2	9.2
2.0		27.591	22.505	13.158	0.0287	4.355	44.1	4.9
4.0		27.672	26.360	16.018	0.0554	4.109	30.2	4.2
6.0		27.705	26.460	16.083	0.0789	4.030	18.4	4.1
8.0		27.664	31.328	19.746	0.0982	4.004	13.5	4.1
10.0		27.685	32.012	20.253	0.1136	4.115	8.1	3.9
12.0		27.657	32.132	20.352	0.1285	4.077	7.7	3.9
14.0		27.727	32.505	20.610	0.1431	4.096	8.0	3.9
16.0		27.613	34.005	21.774	0.1565	4.022	7.2	4.0
18.0		27.400	35.834	23.220	0.1670	3.789	5.4	4.2
20.0		27.346	36.009	23.369	0.1761	3.791	4.4	4.5
22.0		27.334	36.037	23.394	0.1852	3.792	4.2	4.7
24.0		27.327	36.049	23.405	0.1942	3.835	4.3	4.8
26.0		27.322	36.058	23.414	0.2032	3.857	4.3	4.9
28.0		27.318	36.064	23.419	0.2121	3.865	4.4	5.1
30.0		27.316	36.068	23.423	0.2211	3.862	5.8	5.2
32.0		27.315	36.069	23.424	0.2301	3.858	5.0	5.4
34.0		27.313	36.071	23.426	0.2390	3.856	6.1	5.8
36.0		27.312	36.073	23.428	0.2480	3.853	5.5	6.1
38.0		27.312	36.073	23.428	0.2570	3.853	5.5	6.3



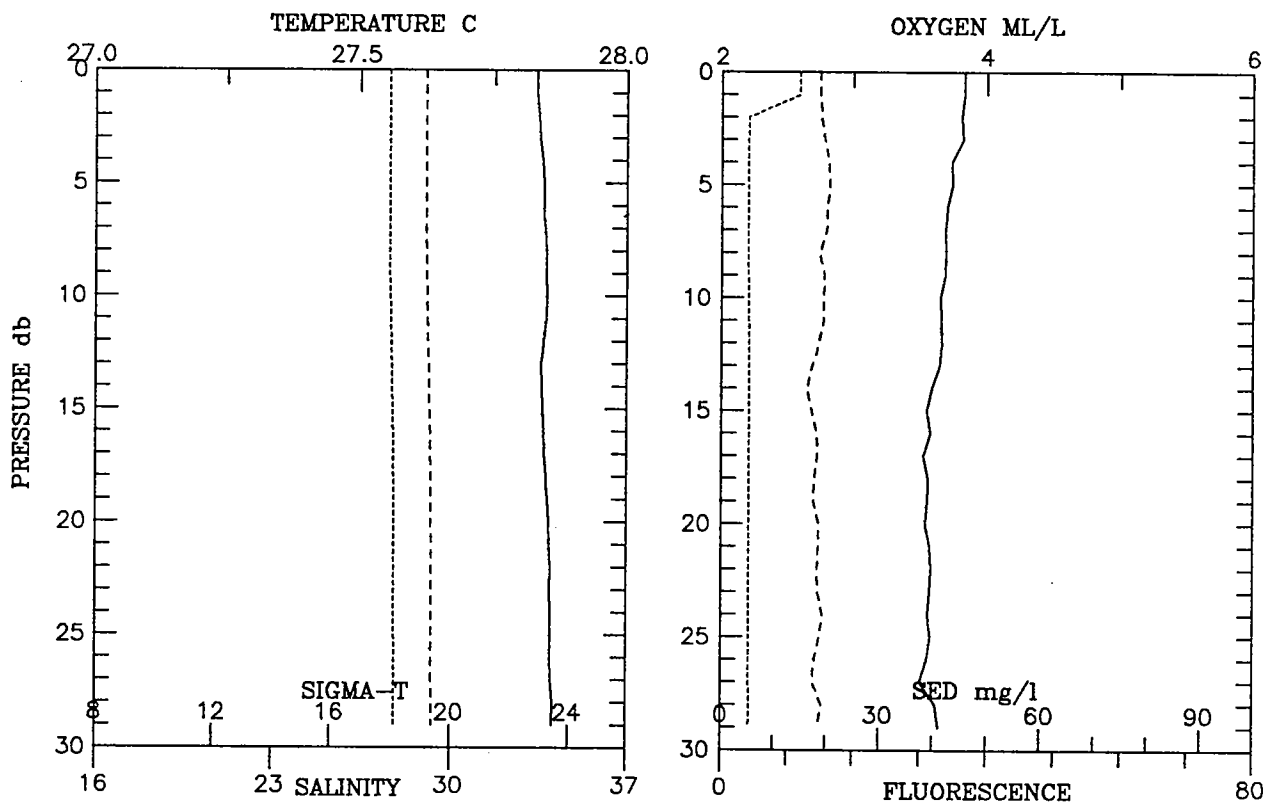
Cruise I9002 Leg 3 Station # 59 Depth m:23 Time: 1990-03-07 07:04  
 Position: 2° 6.10'N 48° 48.80'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (mL/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.321	10.887	4.566	0.0000	4.943	67.4	5.4
1.0		27.321	10.887	4.566	0.0228	4.943	67.4	5.4
2.0		27.326	10.895	4.570	0.0456	4.939	66.4	4.5
3.0		27.337	10.991	4.639	0.0684	4.979	63.3	4.5
4.0		27.321	11.671	5.151	0.0909	4.991	59.0	4.5
5.0		27.577	18.556	10.212	0.1106	4.491	45.7	5.9
6.0		27.860	25.713	15.474	0.1253	3.973	24.1	5.2
7.0		27.762	28.839	17.847	0.1363	4.100	15.9	4.4
8.0		27.705	31.037	19.515	0.1453	4.013	11.3	4.0
9.0		27.685	32.639	20.724	0.1529	4.094	9.5	4.0
10.0		27.643	32.969	20.986	0.1599	3.948	8.4	4.1
11.0		27.537	33.778	21.628	0.1664	3.849	7.4	5.0
12.0		27.500	34.203	21.960	0.1724	3.686	7.1	5.9
13.0		27.445	34.795	22.423	0.1780	3.624	6.9	7.4
14.0		27.401	35.340	22.847	0.1833	3.592	6.9	10.5
15.0		27.368	35.754	23.170	0.1881	3.565	7.3	19.1
16.0		27.359	35.904	23.286	0.1928	3.565	8.2	40.0
17.0		27.356	35.950	23.321	0.1974	3.566	8.9	69.5
18.0		27.356	35.955	23.325	0.2020	3.558	11.4	77.9
19.0		27.356	35.957	23.326	0.2065	3.537	12.6	79.4



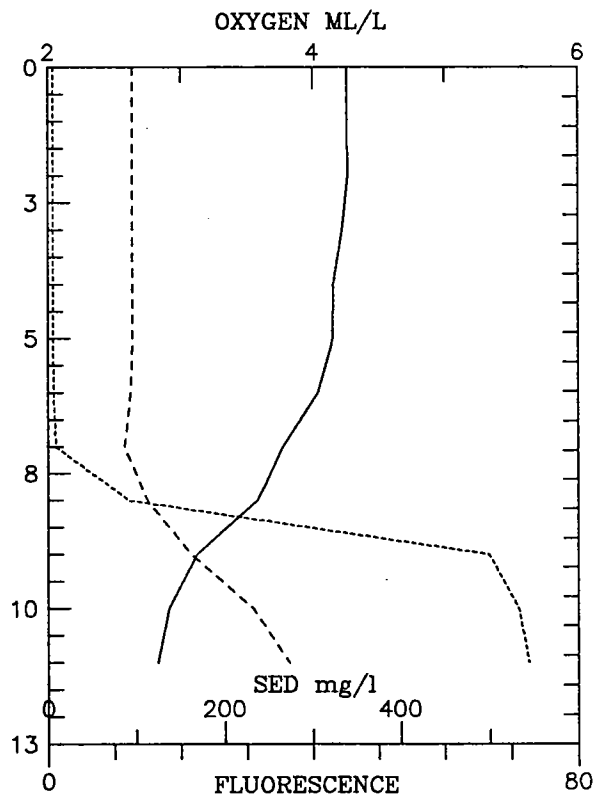
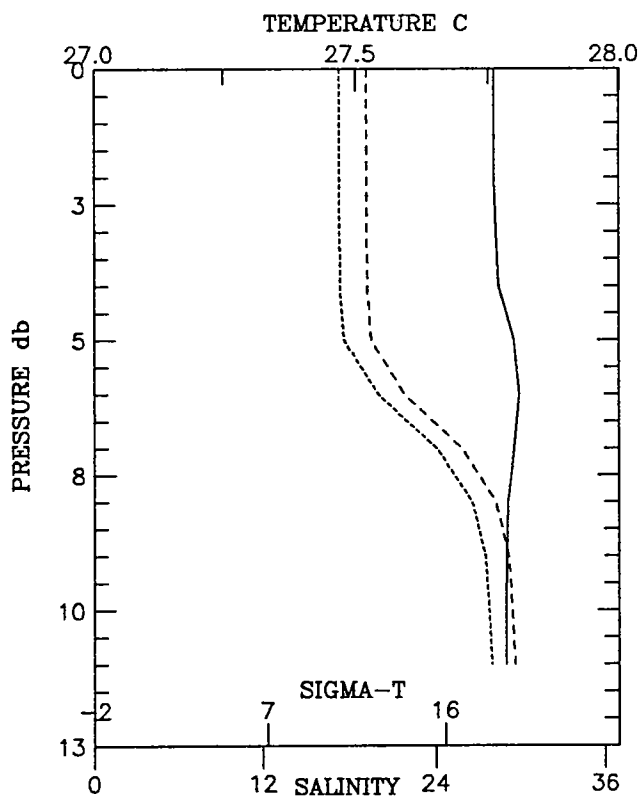
Cruise I9002 Leg 4 Station # 1.00 Depth m:28 Time: 1990-03-10 00:28  
 Position: 0° 12.04'S 47° 39.07'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.828	29.033	17.971	0.0000	3.832	15.0	14.9
2.0		27.832	29.037	17.974	0.0194	3.811	15.2	5.2
4.0		27.839	29.040	17.973	0.0388	3.740	16.3	5.1
6.0		27.842	29.043	17.975	0.0582	3.703	16.1	5.1
8.0		27.847	29.058	17.984	0.0776	3.697	15.0	5.1
10.0		27.848	29.090	18.008	0.0970	3.658	15.6	5.2
12.0		27.842	29.126	18.037	0.1163	3.665	14.9	5.3
14.0		27.838	29.168	18.070	0.1355	3.595	13.1	5.3
16.0		27.842	29.209	18.099	0.1547	3.585	14.6	5.3
18.0		27.846	29.246	18.125	0.1739	3.564	14.3	5.3
20.0		27.852	29.260	18.134	0.1930	3.546	14.9	5.3
22.0		27.855	29.264	18.136	0.2121	3.587	14.7	5.3
24.0		27.855	29.267	18.139	0.2312	3.567	15.5	5.3
26.0		27.856	29.276	18.145	0.2503	3.561	14.3	5.3
28.0		27.860	29.292	18.156	0.2694	3.622	15.4	5.4
29.0		27.859	29.296	18.159	0.2789	3.647	14.8	5.3



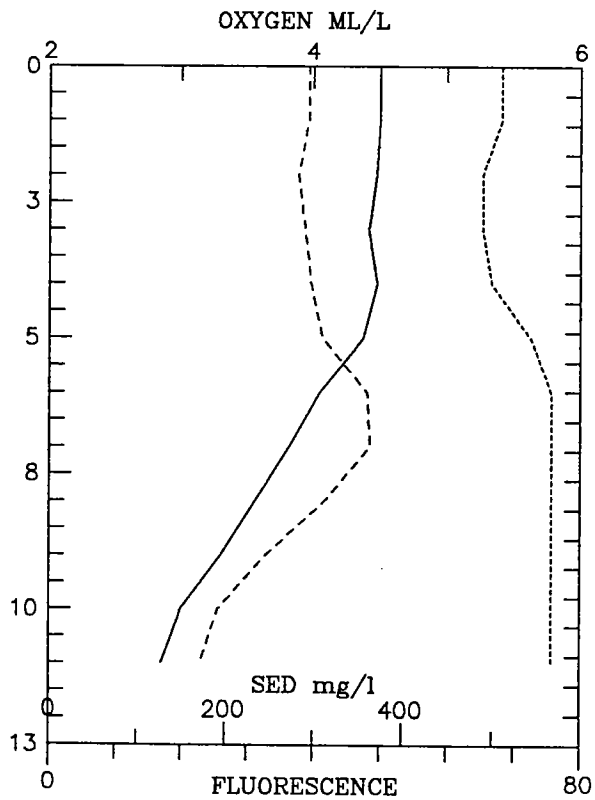
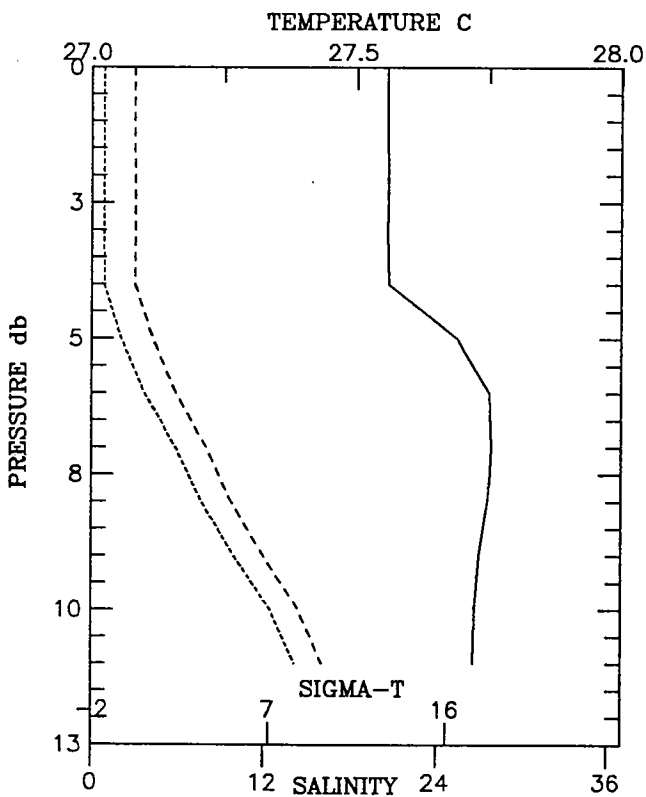
Cruise 19002 Leg 4 Station # 2.00 Depth m:13 Time: 1990-03-10 03:53  
 Position: 0° 18.42'N 48° 2.59'W Depth Deck Offset: -0.30 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 27.761	19.258	10.680	0.0000	4.265	12.8	5.4
1.0	E 27.761	19.258	10.680	0.0168	4.265	12.8	5.4
2.0	27.761	19.258	10.680	0.0336	4.266	12.8	5.4
3.0	27.765	19.261	10.681	0.0504	4.222	12.8	5.4
4.0	27.769	19.281	10.695	0.0671	4.159	12.8	5.4
5.0	27.798	19.570	10.902	0.0838	4.153	12.8	5.4
6.0	27.808	21.885	12.628	0.0996	4.039	12.5	6.1
7.0	27.799	25.844	15.592	0.1130	3.772	11.6	8.4
8.0	27.787	28.242	17.392	0.1241	3.579	15.0	91.9
9.0	27.784	29.128	18.057	0.1341	3.121	21.6	499.6
10.0	27.783	29.385	18.250	0.1436	2.912	31.0	532.2
11.0	27.782	29.577	18.394	0.1530	2.826	36.4	543.6



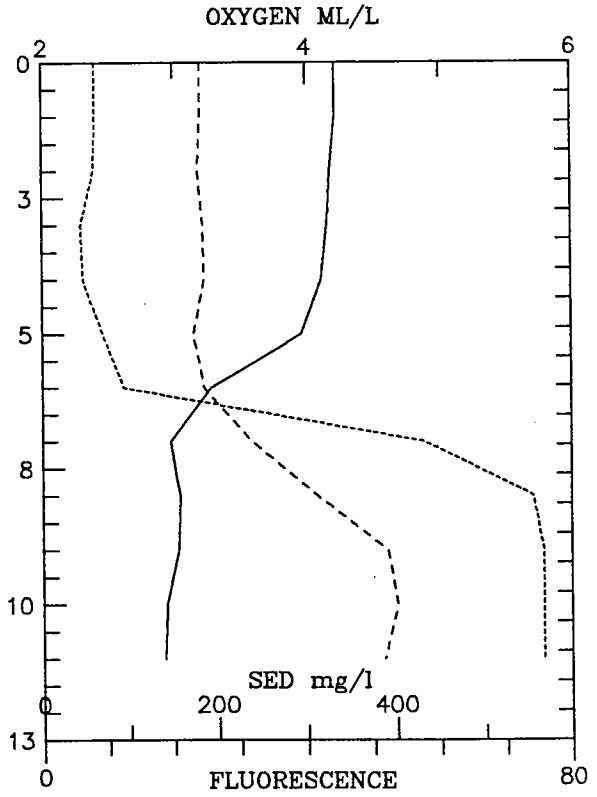
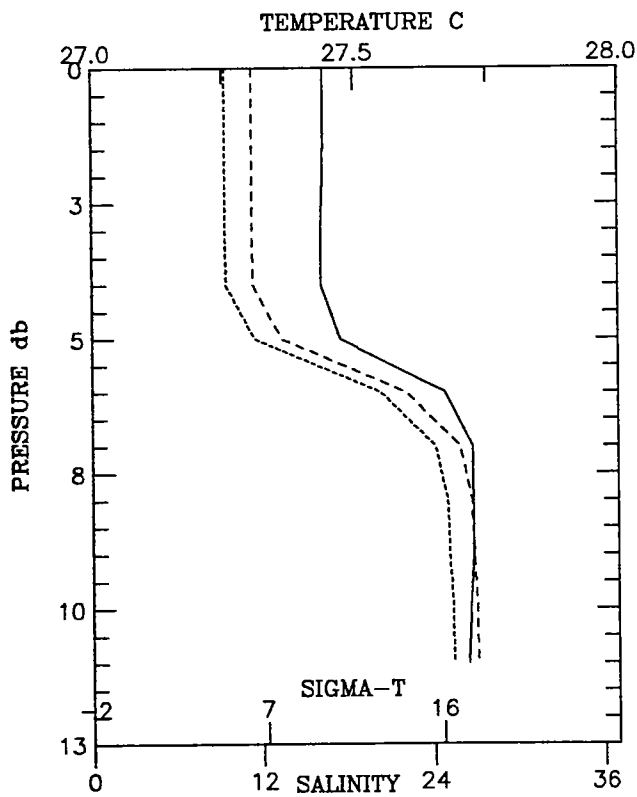
Cruise 19002 Leg 4 Station # 3.00 Depth m:13 Time: 1990-03-10 07:58  
 Position: 0° 43.22'N 48° 32.83'W Depth Deck Offset: -0.35 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.557	3.030	-1.366	0.0000	4.501	39.3	510.2
1.0		27.557	3.030	-1.366	0.0287	4.502	39.3	510.2
2.0		27.558	3.035	-1.362	0.0574	4.478	37.8	489.1
3.0		27.556	3.039	-1.359	0.0862	4.416	38.8	489.1
4.0		27.559	3.047	-1.354	0.1149	4.480	39.7	499.6
5.0		27.689	4.275	-0.473	0.1432	4.380	41.5	543.6
6.0		27.749	5.880	0.707	0.1704	4.053	48.2	567.0
7.0		27.753	7.983	2.275	0.1963	3.820	48.6	567.0
8.0		27.746	9.744	3.590	0.2207	3.567	41.8	567.0
9.0		27.730	11.973	5.255	0.2437	3.306	32.9	567.0
10.0		27.722	14.427	7.087	0.2649	3.001	25.7	567.0
11.0		27.720	16.087	8.326	0.2846	2.857	23.0	567.0



Cruise 19002 Leg 4 Station # 4.00 Depth m:13 Time: 1990-03-10 11:40  
 Position: 1° 11.18'N 48° 48.23'W Depth Deck Offset: 0.03 Fish 2

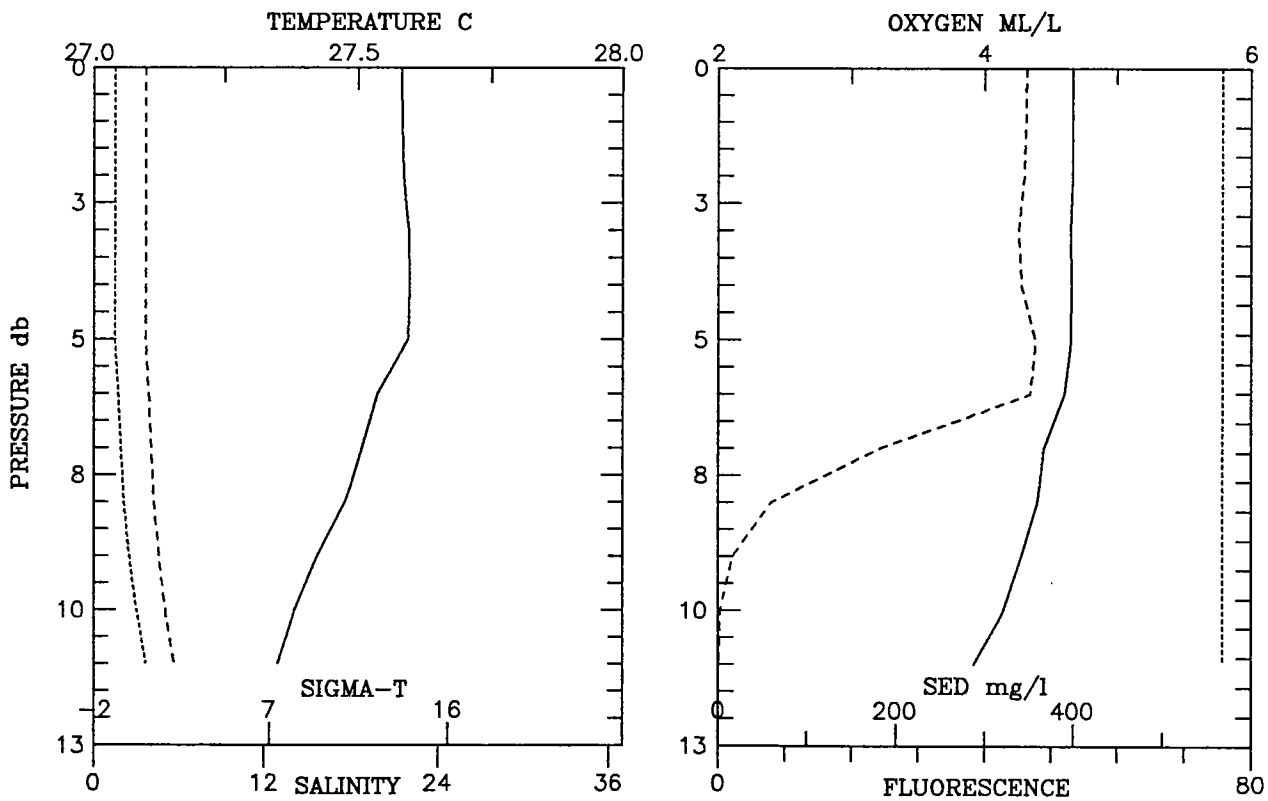
PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.443	11.339	4.867	0.0000	4.221	24.2	61.0
1.0	27.442	11.339	4.868	0.0225	4.221	24.2	61.0
2.0	27.441	11.350	4.876	0.0450	4.182	23.8	59.0
3.0	27.439	11.349	4.876	0.0675	4.159	24.6	44.3
4.0	27.438	11.395	4.911	0.0900	4.113	24.7	46.6
5.0	27.474	13.428	6.416	0.1117	3.961	23.1	69.3
6.0	27.671	22.131	12.854	0.1296	3.290	24.7	93.6
7.0	27.722	25.836	15.610	0.1429	2.976	31.8	431.0
8.0	27.723	26.644	16.215	0.1546	3.048	41.6	555.2
9.0	27.722	26.774	16.312	0.1659	3.034	52.1	567.0
10.0	27.716	26.980	16.469	0.1772	2.945	53.5	567.0
11.0	27.713	26.996	16.481	0.1883	2.928	51.6	567.0





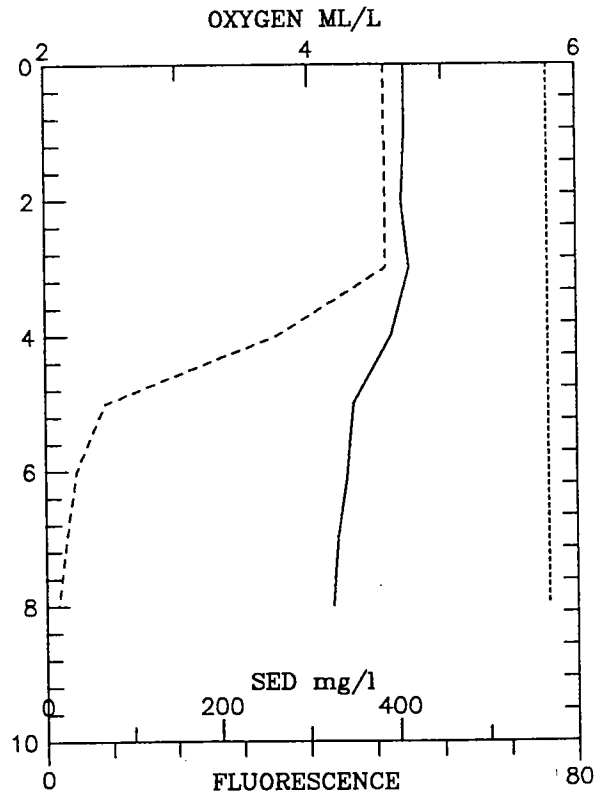
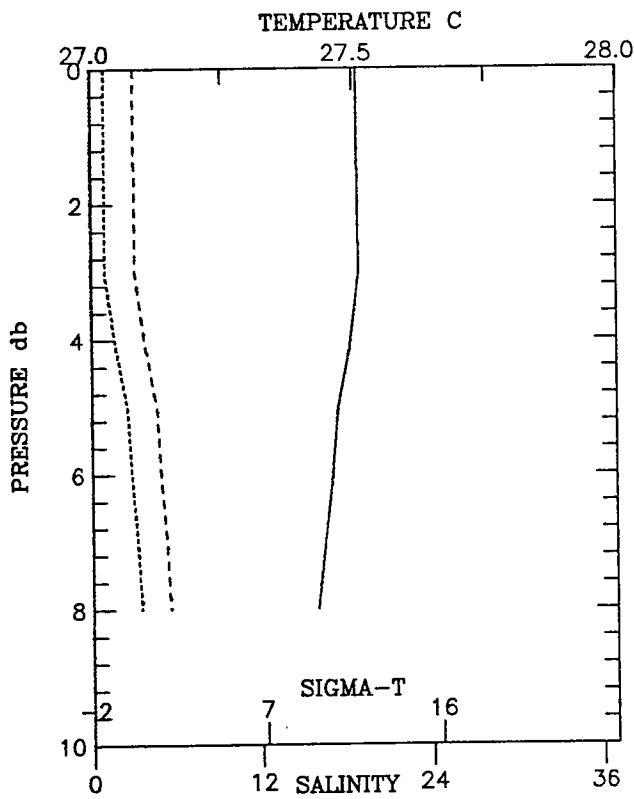
Cruise 19002 Leg 4 Station # 5.01 Depth m:10 Time: 1990-03-10 18:08  
 Position: 1° 40.33'N 49° 9.70'W Depth Deck Offset: 1.07 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.581	3.629	-0.925	0.0000	4.663	46.3	567.0
1.0	* 27.583	3.630	-0.925	0.0283	4.664	46.2	567.0
2.0	27.585	3.630	-0.925	0.0566	4.664	46.0	567.0
3.0	27.595	3.628	-0.930	0.0849	4.651	45.1	567.0
4.0	27.596	3.630	-0.928	0.1131	4.656	45.6	567.0
5.0	27.593	3.642	-0.919	0.1414	4.651	47.7	567.0
6.0	27.536	3.860	-0.739	0.1696	4.600	46.9	567.0
7.0	27.507	4.029	-0.605	0.1976	4.447	24.3	567.0
8.0	27.476	4.221	-0.453	0.2255	4.398	8.0	567.0
9.0	27.424	4.577	-0.172	0.2532	4.278	2.1	567.0
10.0	27.380	5.059	0.200	0.2805	4.139	0.3	567.0
11.0	27.350	5.670	0.665	0.3075	3.920	0.0	567.0



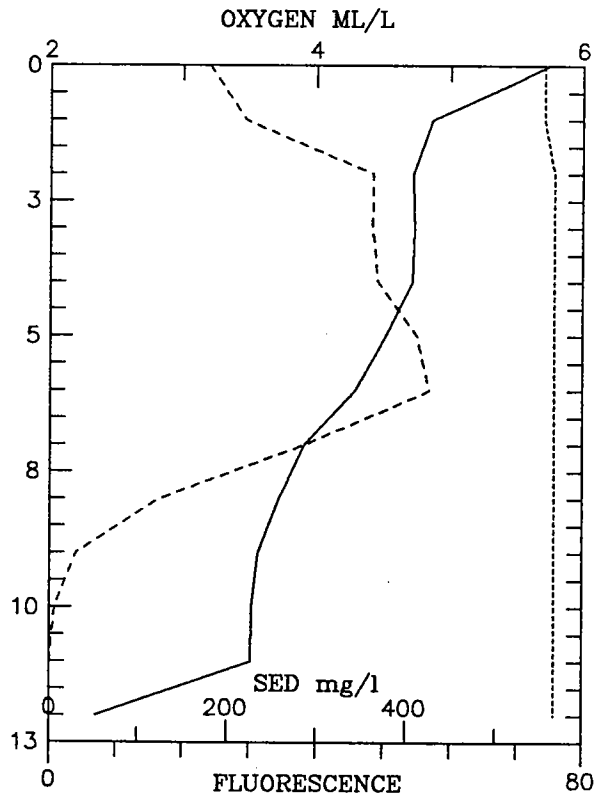
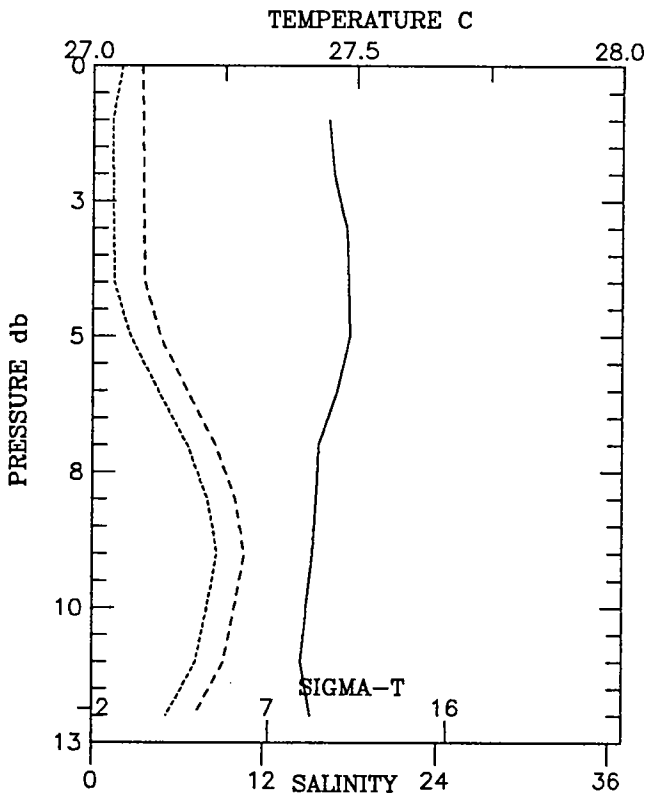
Cruise 19002 Leg 4 Station # 5.03 Depth m:11 Time: 1990-03-10 19:33  
 Position: 1° 40.33'N 49° 9.70'W Depth Deck Offset: -0.30 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.508	3.124	-1.281	0.0000	4.721	51.5	567.0
1.0		27.508	3.124	-1.281	0.0286	4.722	51.5	567.0
2.0		27.509	3.131	-1.277	0.0573	4.701	51.6	567.0
3.0		27.511	3.133	-1.276	0.0859	4.755	51.6	567.0
4.0		27.495	3.790	-0.780	0.1143	4.617	35.3	567.0
5.0		27.470	4.656	-0.126	0.1421	4.336	9.0	567.0
6.0		27.460	4.937	0.087	0.1695	4.285	4.6	567.0
7.0		27.445	5.308	0.368	0.1966	4.216	3.1	567.0
8.0		27.431	5.563	0.562	0.2235	4.176	1.8	567.0



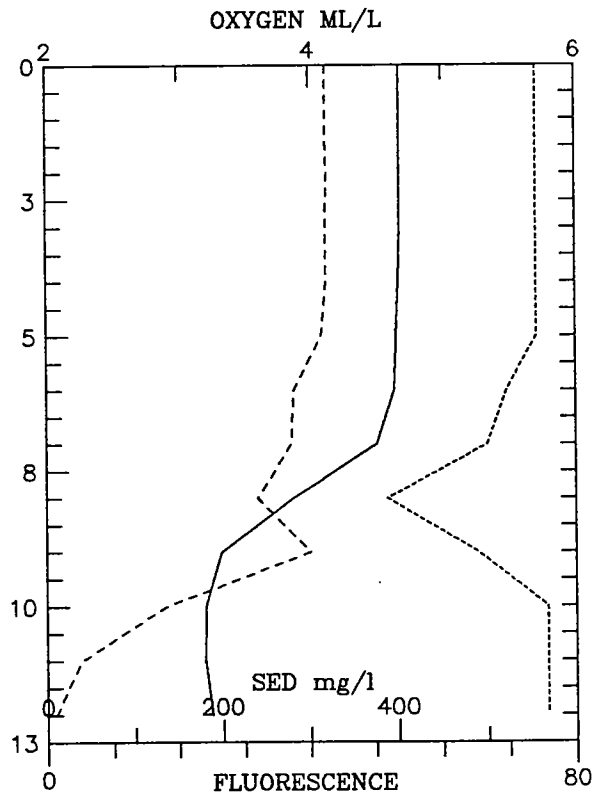
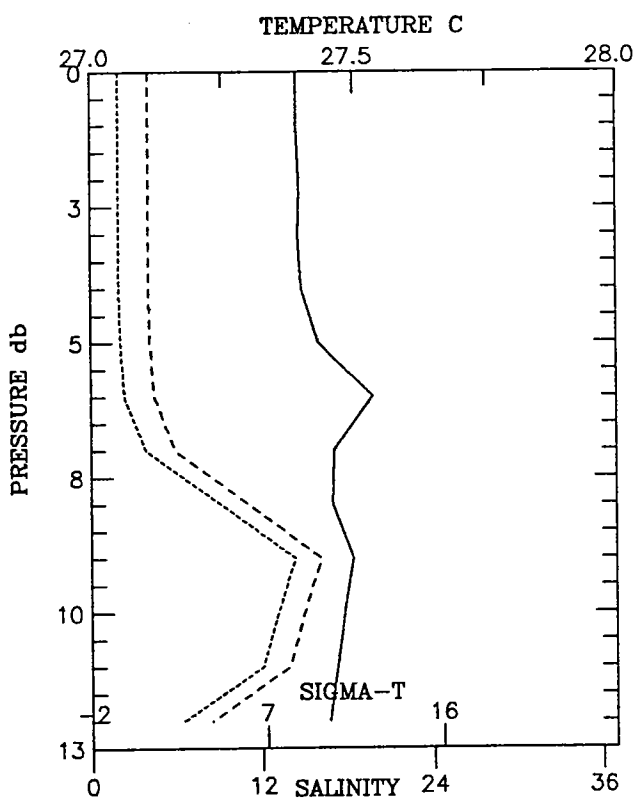
Cruise I9002 Leg 4 Station # 5.04 Depth m:12 Time: 1990-03-10 20:45  
 Position: 1° 40.32'N 49° 9.76'W Depth Deck Offset: -0.30 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	25.518	3.400	-0.528	0.0000	5.742	24.0	555.2
1.0	27.446	3.455	-1.017	0.0294	4.863	29.4	555.2
2.0	27.456	3.494	-0.990	0.0577	4.721	48.5	567.0
3.0	27.480	3.551	-0.954	0.0860	4.731	48.4	567.0
4.0	27.484	3.612	-0.910	0.1143	4.717	49.2	567.0
5.0	27.486	4.730	-0.075	0.1422	4.522	55.1	567.0
6.0	27.463	6.633	1.351	0.1689	4.294	56.9	567.0
7.0	27.428	8.618	2.843	0.1942	3.914	38.3	567.0
8.0	27.423	10.023	3.892	0.2182	3.723	16.7	567.0
9.0	27.418	10.674	4.379	0.2414	3.568	4.0	567.0
10.0	27.405	9.982	3.867	0.2647	3.523	0.7	567.0
11.0	27.396	9.207	3.291	0.2885	3.514	0.0	567.0
12.0	27.413	7.209	1.796	0.3133	2.353	0.0	567.0



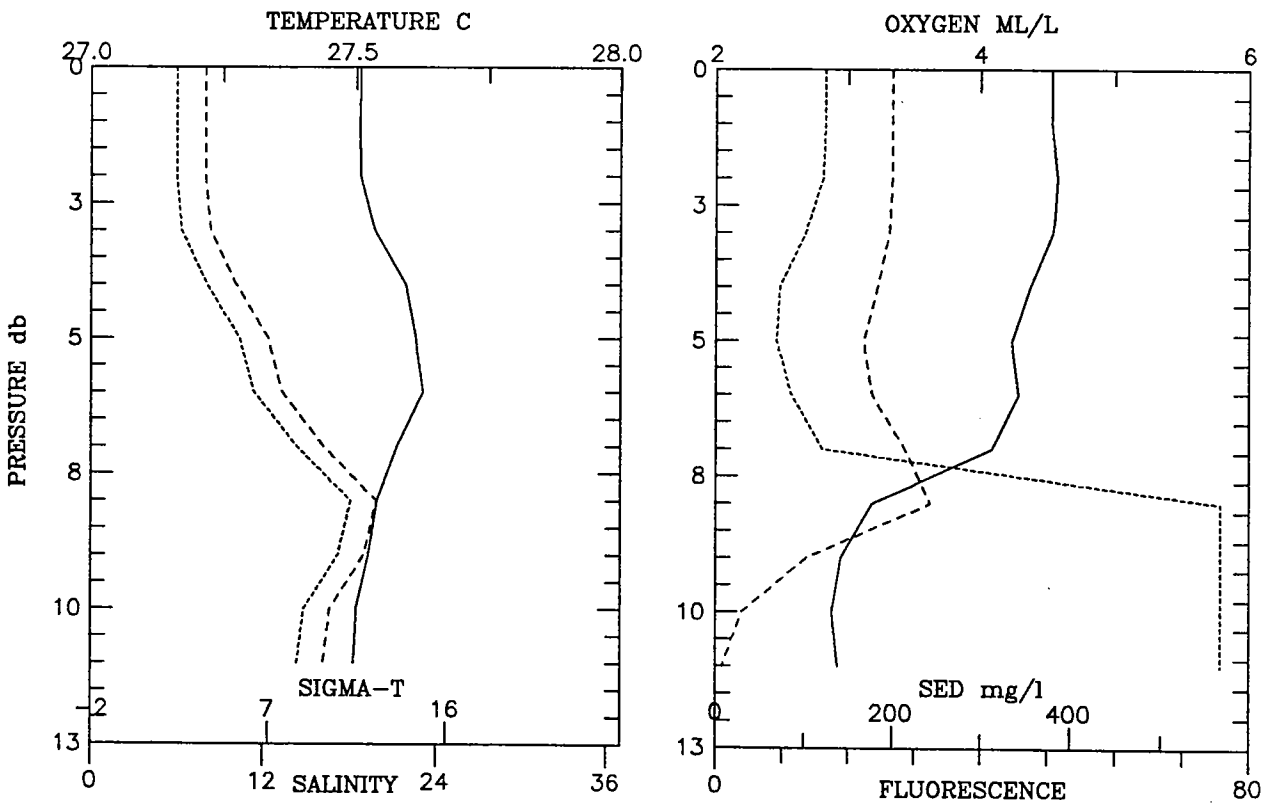
Cruise 19002 Leg 4 Station # 5.05 Depth m:12 Time: 1990-03-10 22:10  
 Position: 1° 40.20'N 49° 9.90'W Depth Deck Offset: -0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)	
0.0	E	27.394	4.114	-0.509	0.0000	4.685	42.5	555.2
1.0		27.393	4.114	-0.509	0.0279	4.686	42.5	555.2
2.0		27.398	4.114	-0.510	0.0557	4.684	42.7	555.2
3.0		27.396	4.110	-0.513	0.0836	4.683	42.5	555.2
4.0		27.401	4.111	-0.514	0.1115	4.677	42.6	555.2
5.0		27.433	4.203	-0.454	0.1393	4.655	41.8	555.2
6.0		27.534	4.504	-0.258	0.1670	4.643	37.6	521.1
7.0		27.462	5.951	0.843	0.1941	4.512	37.2	499.6
8.0		27.459	11.087	4.675	0.2187	3.875	32.1	387.8
9.0		27.497	16.181	8.464	0.2395	3.325	40.1	489.1
10.0		27.480	14.989	7.579	0.2589	3.207	18.1	567.0
11.0		27.466	13.919	6.785	0.2792	3.203	5.1	567.0
12.0		27.453	8.453	2.712	0.3018	3.252	1.3	567.0



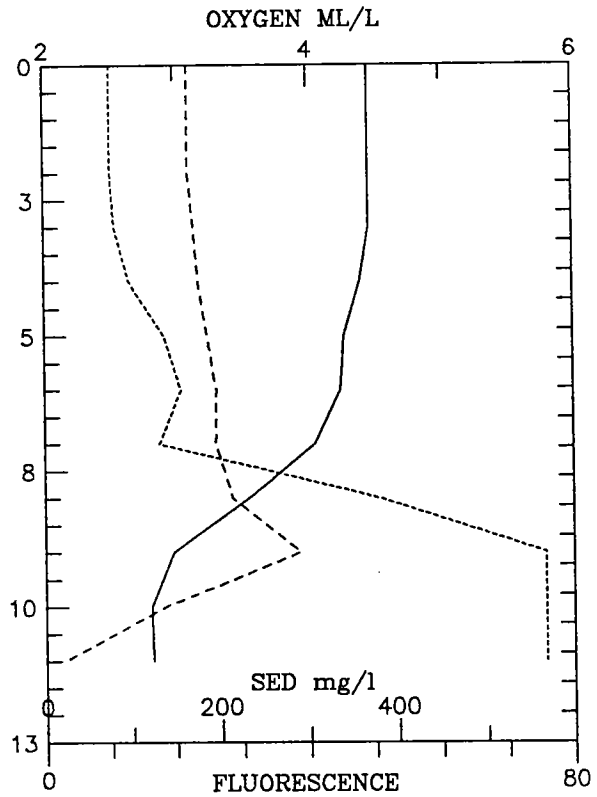
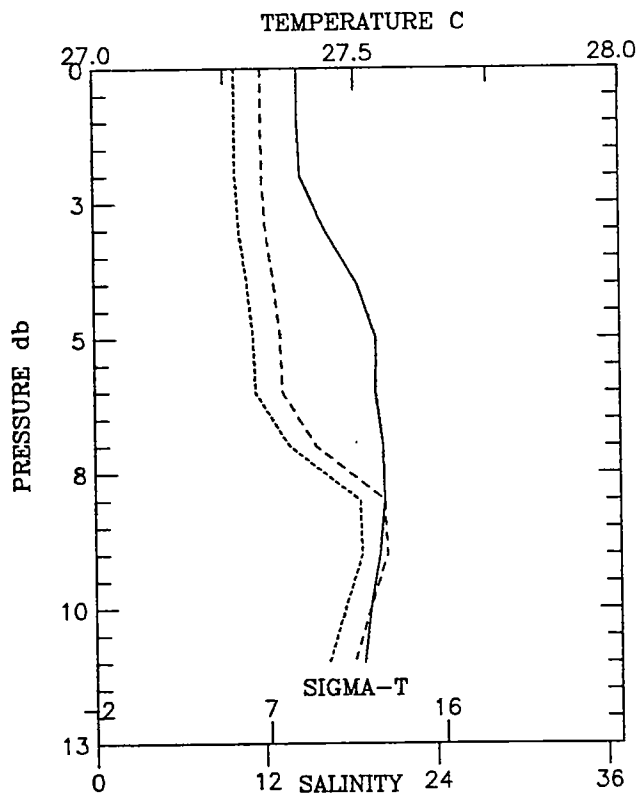
Cruise I9002 Leg 4 Station # 5.06 Depth m:13 Time: 1990-03-10 23:19  
 Position: 1° 40.20'N 49° 9.90'W Depth Deck Offset: -0.25 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.506	7.988	2.350	0.0000	4.534	26.7	124.1
1.0		27.506	7.987	2.350	0.0250	4.534	26.7	124.1
2.0		27.508	7.993	2.354	0.0500	4.580	26.7	121.5
3.0		27.534	8.339	2.604	0.0749	4.544	26.3	101.5
4.0		27.593	10.102	3.901	0.0990	4.373	24.5	72.4
5.0		27.612	12.342	5.565	0.1217	4.237	22.4	68.8
6.0		27.625	13.314	6.286	0.1431	4.288	23.7	85.4
7.0		27.576	16.201	8.455	0.1632	4.087	28.7	121.5
8.0		27.539	19.871	11.206	0.1808	3.184	32.5	567.0
9.0		27.522	19.018	10.574	0.1974	2.947	13.7	567.0
10.0		27.499	16.669	8.827	0.2151	2.883	3.9	567.0
11.0		27.495	16.207	8.484	0.2339	2.926	1.0	567.0



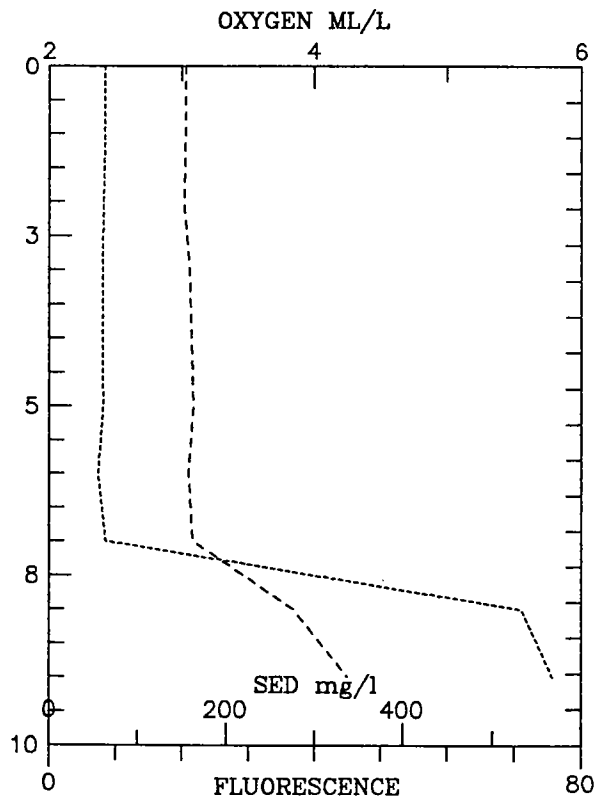
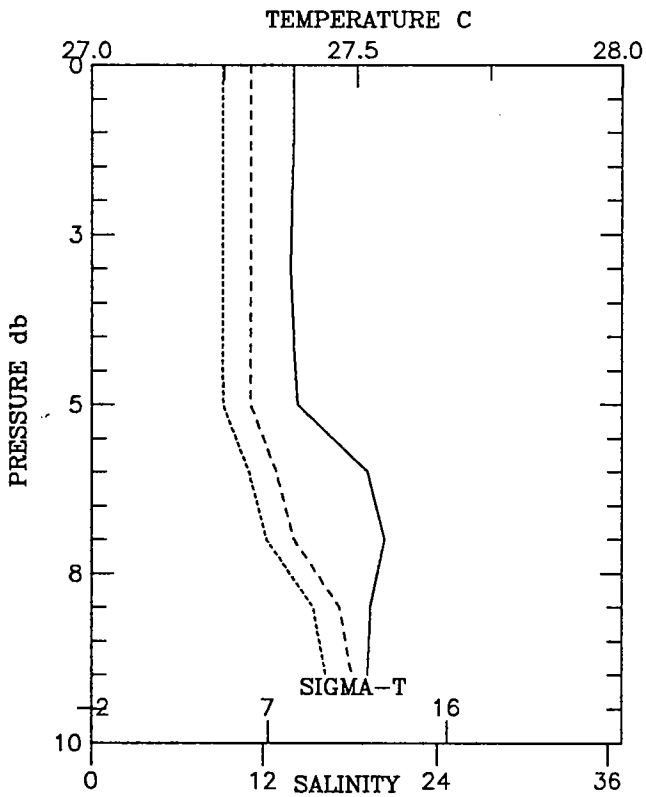
Cruise 19002 Leg 4 Station # 5.07 Depth m:14 Time: 1990-03-11 00:14  
 Position: 1° 40.20'N 49° 9.90'W Depth Deck Offset: -0.20 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.392	11.960	5.346	0.0000	4.460	22.2	76.5
1.0	27.392	11.960	5.346	0.0220	4.460	22.2	76.5
2.0	27.396	11.969	5.351	0.0441	4.460	22.2	76.8
3.0	27.443	12.212	5.518	0.0660	4.459	23.0	81.2
4.0	27.503	12.767	5.914	0.0877	4.395	23.6	97.9
5.0	27.538	13.198	6.226	0.1090	4.272	24.9	137.9
6.0	27.538	13.319	6.316	0.1302	4.245	26.2	156.5
7.0	27.550	15.675	8.069	0.1504	4.051	26.1	132.2
8.0	27.554	20.494	11.667	0.1680	3.552	28.6	379.7
9.0	27.544	20.614	11.759	0.1837	2.982	38.7	567.0
10.0	27.526	19.422	10.875	0.1999	2.813	18.3	567.0
11.0	27.513	18.297	10.038	0.2169	2.821	2.6	567.0



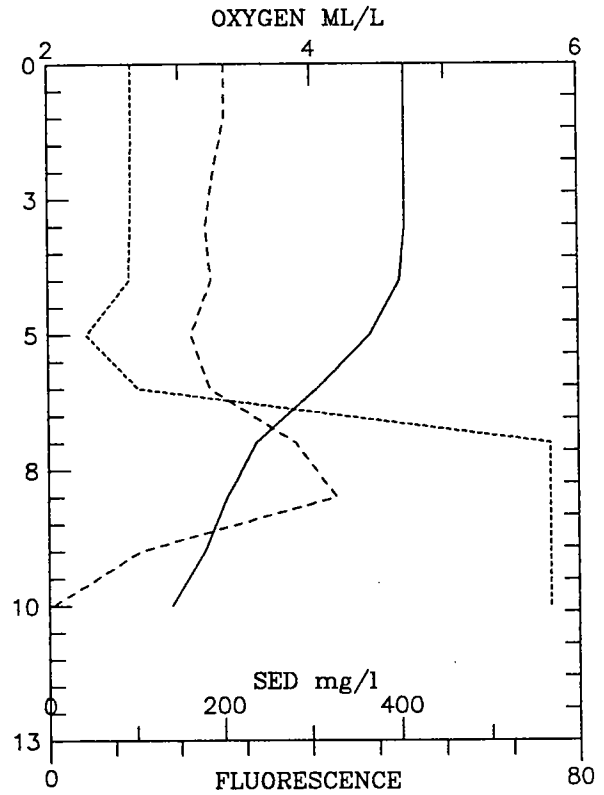
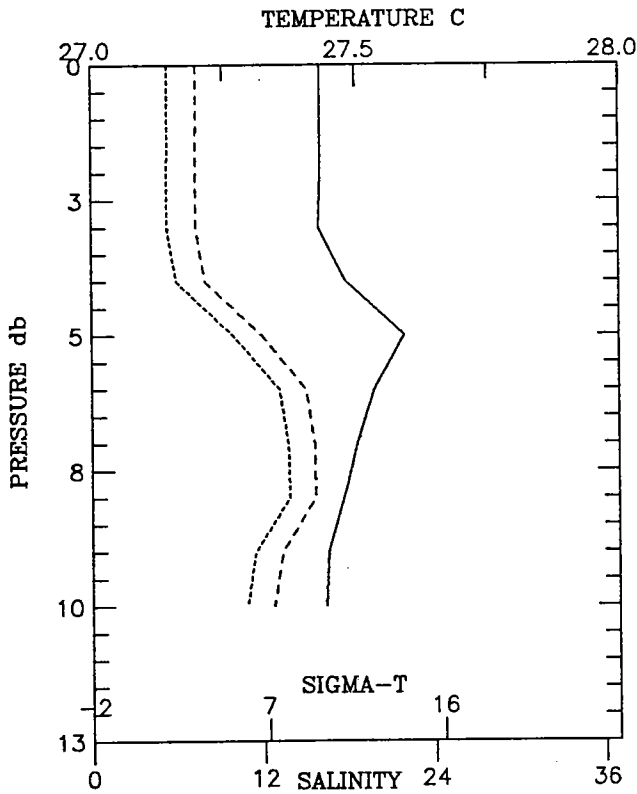
Cruise 19002 Leg 4 Station # 5.08 Depth m:11 Time: 1990-03-11 01:41  
 Position: 1° 40.19'N 49° 9.93'W Depth Deck Offset: -0.23 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.381	11.079	4.692	0.0000	0.000	20.6	62.8
1.0		27.381	11.079	4.692	0.0227	0.000	20.6	62.8
2.0		27.377	11.075	4.690	0.0454	0.000	20.4	61.6
3.0		27.375	11.067	4.685	0.0681	0.000	21.2	60.5
4.0		27.380	11.067	4.683	0.0908	0.000	21.5	60.7
5.0		27.388	11.102	4.707	0.1134	0.000	21.8	61.2
6.0		27.519	12.901	6.010	0.1355	0.000	21.1	55.4
7.0		27.550	14.131	6.918	0.1564	0.000	21.7	63.9
8.0		27.524	17.274	9.271	0.1757	0.000	36.8	532.2
9.0		27.520	18.117	9.902	0.1936	0.000	45.0	567.0



Cruise 19002 Leg 4 Station # 5.09 Depth m:11 Time: 1990-03-11 02:24  
 Position: 1° 40.19'N 49° 9.90'W Depth Deck Offset: -0.23 Fish 2

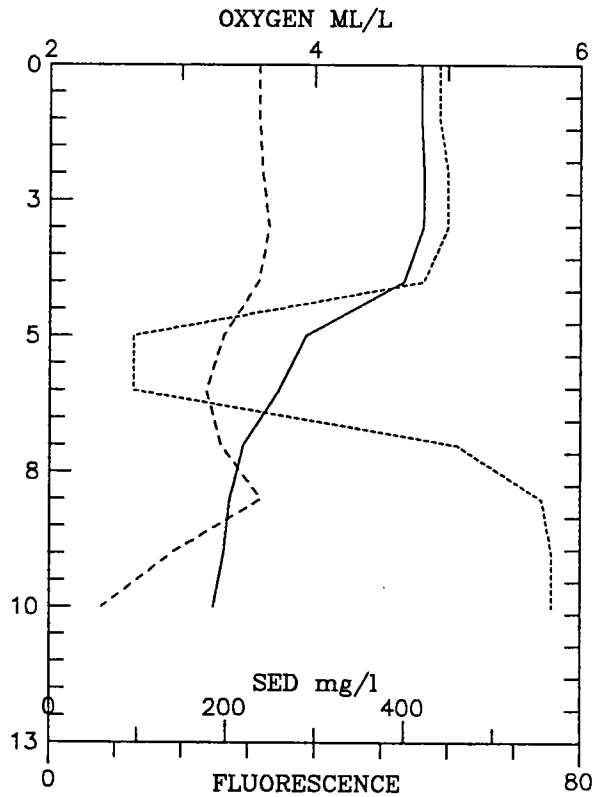
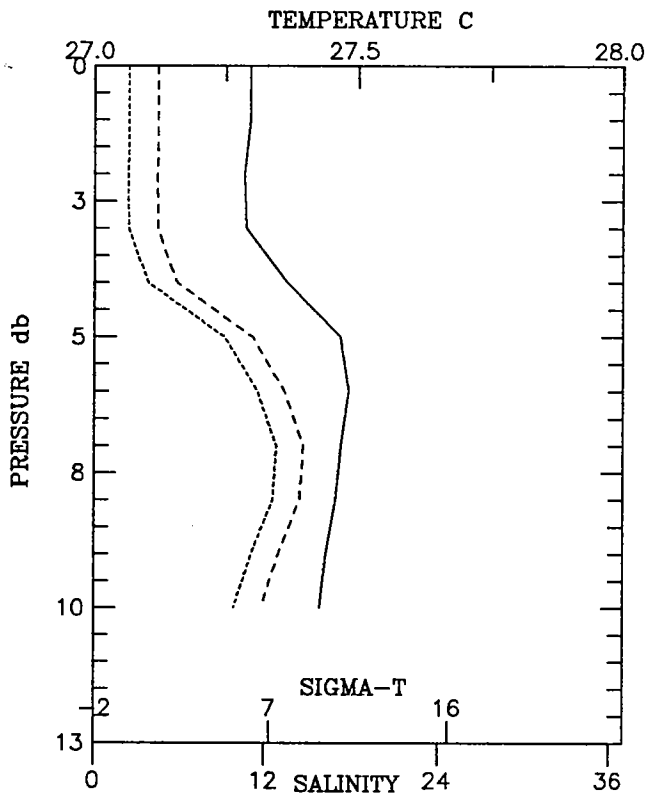
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.434	7.394	1.928	0.0000	4.704	27.0	95.7
1.0		27.434	7.394	1.928	0.0254	4.705	27.0	95.7
2.0		27.434	7.382	1.919	0.0509	4.702	25.3	95.0
3.0		27.431	7.370	1.911	0.0763	4.703	24.1	94.3
4.0		27.482	7.999	2.365	0.1015	4.664	24.9	92.3
5.0		27.592	11.913	5.252	0.1251	4.443	21.8	43.5
6.0		27.535	15.008	7.576	0.1461	4.044	24.6	103.0
7.0		27.502	15.602	8.029	0.1657	3.585	37.7	567.0
8.0		27.477	15.661	8.081	0.1851	3.362	43.8	567.0
9.0		27.448	13.308	6.334	0.2053	3.193	14.0	567.0
10.0		27.443	12.714	5.893	0.2266	2.936	0.5	567.0





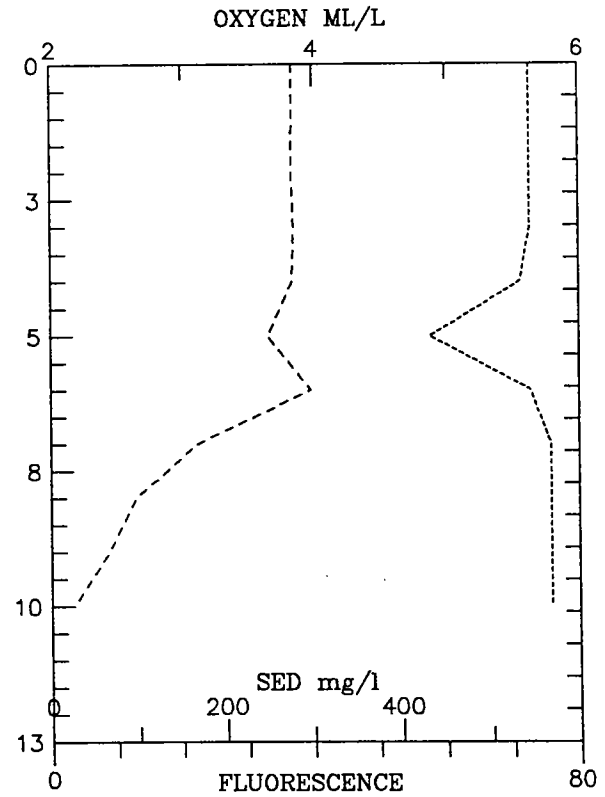
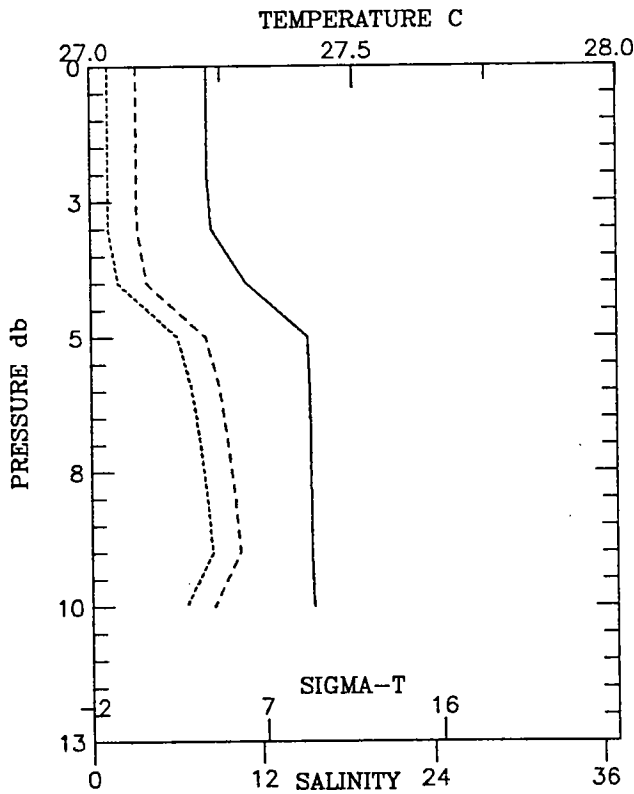
Cruise I9002 Leg 4 Station # 5.10 Depth m:10.5 Time: 1990-03-11 03:23  
 Position: 1° 40.27'N 49° 9.82'W Depth Deck Offset: -0.23 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.296	4.464	-0.220	0.0000	4.802	31.7	440.2
1.0		27.296	4.464	-0.220	0.0276	4.803	31.7	440.2
2.0		27.285	4.411	-0.256	0.0552	4.821	32.2	449.6
3.0		27.289	4.429	-0.244	0.0828	4.818	33.2	449.6
4.0		27.366	5.835	0.784	0.1099	4.670	31.6	422.0
5.0		27.466	11.111	4.691	0.1345	3.934	26.4	95.4
6.0		27.481	13.380	6.378	0.1564	3.732	23.8	95.7
7.0		27.467	14.677	7.350	0.1769	3.466	26.0	459.1
8.0		27.458	14.424	7.164	0.1970	3.364	32.0	555.2
9.0		27.440	12.952	6.071	0.2178	3.324	18.6	567.0
10.0		27.428	11.752	5.180	0.2396	3.242	8.0	567.0



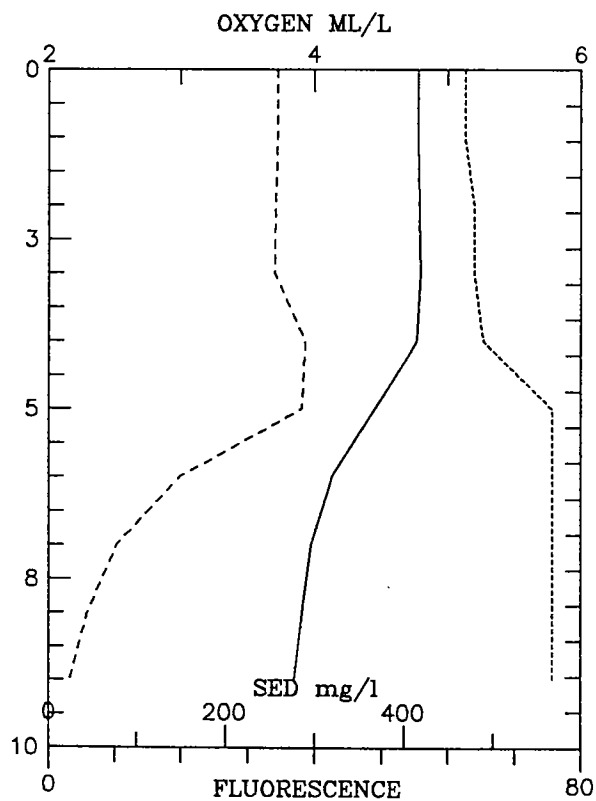
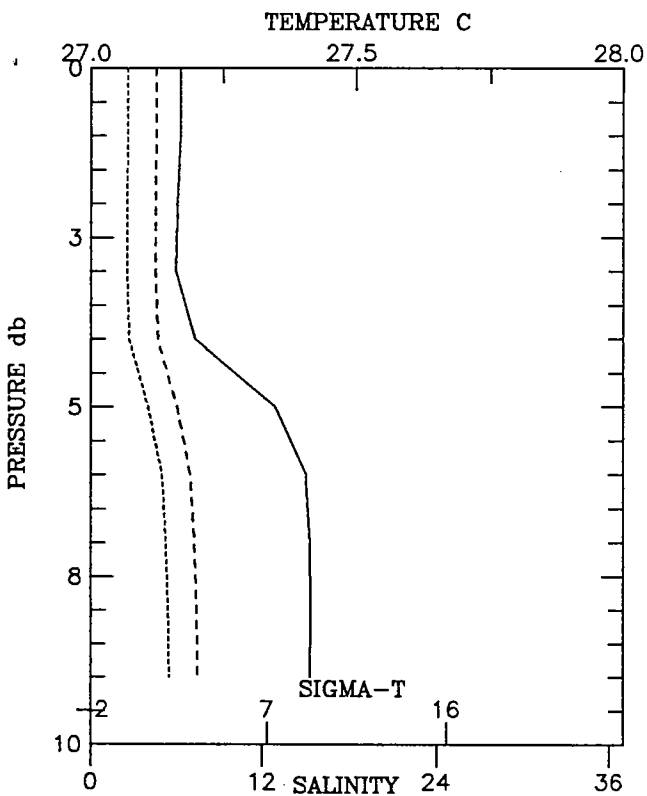
Cruise 19002 Leg 4 Station # 5.11 Depth m:10 Time: 1990-03-11 04:26  
 Position: 1° 40.27'N 49° 9.82'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.225	3.327	-1.050	0.0000	0.000	36.9	543.6
1.0		27.225	3.327	-1.050	0.0284	0.000	36.9	543.6
2.0		27.225	3.323	-1.053	0.0568	0.000	36.8	543.6
3.0		27.232	3.346	-1.038	0.0852	0.000	37.1	543.6
4.0		27.297	4.014	-0.557	0.1134	0.000	36.8	532.2
5.0		27.414	8.176	2.517	0.1398	0.000	33.1	431.0
6.0		27.417	9.151	3.243	0.1642	0.000	39.6	543.6
7.0		27.418	9.697	3.650	0.1882	0.000	22.3	567.0
8.0		27.419	10.158	3.994	0.2117	0.000	12.9	567.0
9.0		27.420	10.495	4.245	0.2350	0.000	8.7	567.0
10.0		27.423	8.665	2.879	0.2588	0.000	3.3	567.0



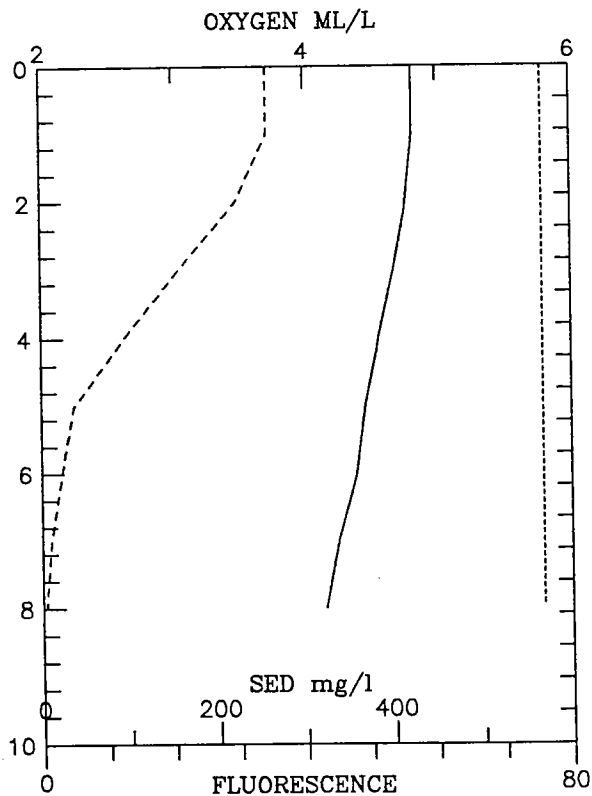
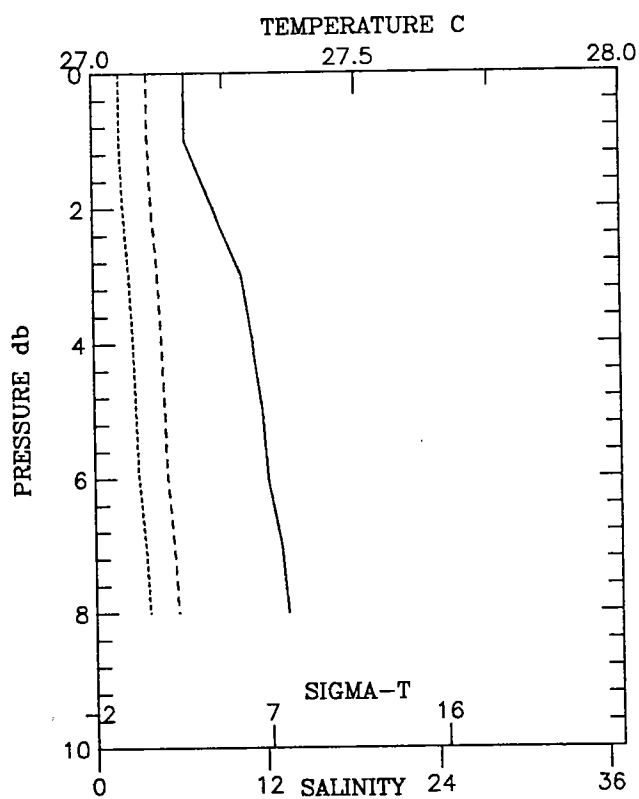
Cruise 19002 Leg 4 Station # 5.12 Depth m:9 Time: 1990-03-11 05:35  
 Position: 1° 39.80'N 49° 8.70'W Depth Deck Offset: -0.25 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.169	4.522	-0.141	0.0000	4.775	34.5	468.9
1.0		27.168	4.522	-0.141	0.0275	4.776	34.5	468.9
2.0		27.163	4.494	-0.160	0.0550	4.785	34.2	478.9
3.0		27.160	4.484	-0.167	0.0825	4.798	34.1	478.9
4.0		27.197	4.649	-0.054	0.1100	4.769	38.7	489.1
5.0		27.348	6.010	0.919	0.1369	4.451	38.2	567.0
6.0		27.407	6.964	1.615	0.1630	4.132	20.0	567.0
7.0		27.414	7.250	1.826	0.1887	3.977	10.4	567.0
8.0		27.415	7.412	1.947	0.2141	3.910	5.9	567.0
9.0		27.414	7.467	1.988	0.2395	3.851	3.2	567.0



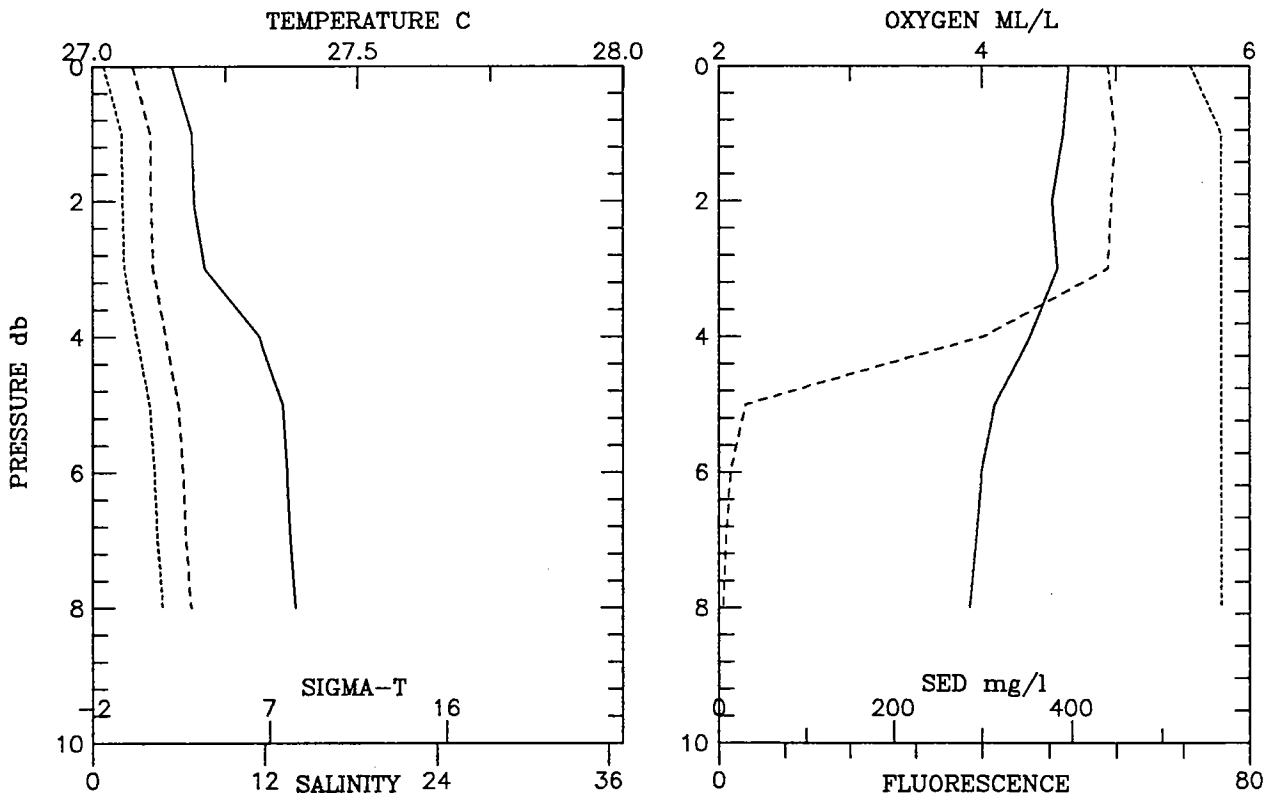
Cruise 19002 Leg 4 Station # 5.13 Depth m:10 Time: 1990-03-11 06:25  
 Position: 1° 39.70'N 49° 9.50'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.179	3.969	-0.557	0.0000	4.820	34.4	567.0
1.0		27.179	3.969	-0.557	0.0279	4.820	34.4	567.0
2.0		27.231	4.194	-0.403	0.0558	4.769	29.6	567.0
3.0		27.283	4.576	-0.133	0.0834	4.674	20.8	567.0
4.0		27.303	4.836	0.056	0.1108	4.560	12.5	567.0
5.0		27.320	5.008	0.179	0.1380	4.456	4.9	567.0
6.0		27.330	5.168	0.296	0.1651	4.389	3.0	567.0
7.0		27.354	5.605	0.615	0.1920	4.250	1.3	567.0
8.0		27.366	5.875	0.814	0.2187	4.146	0.5	567.0



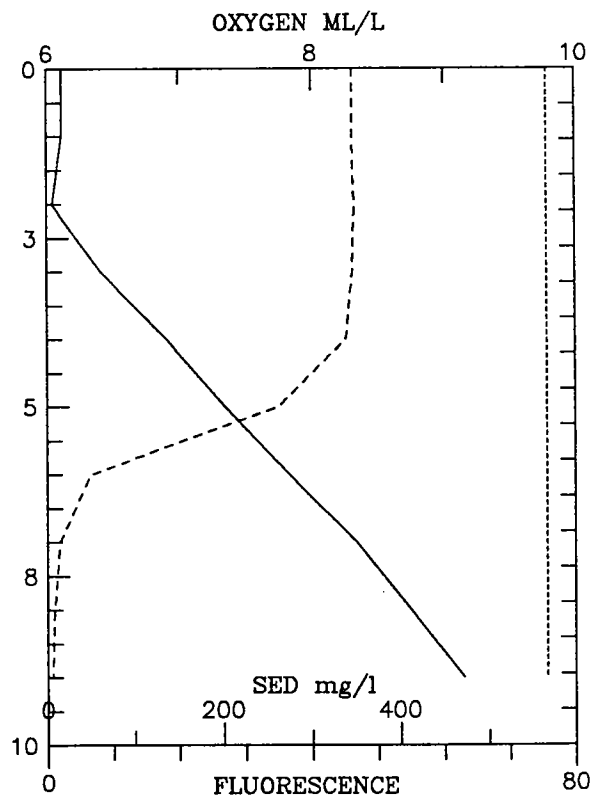
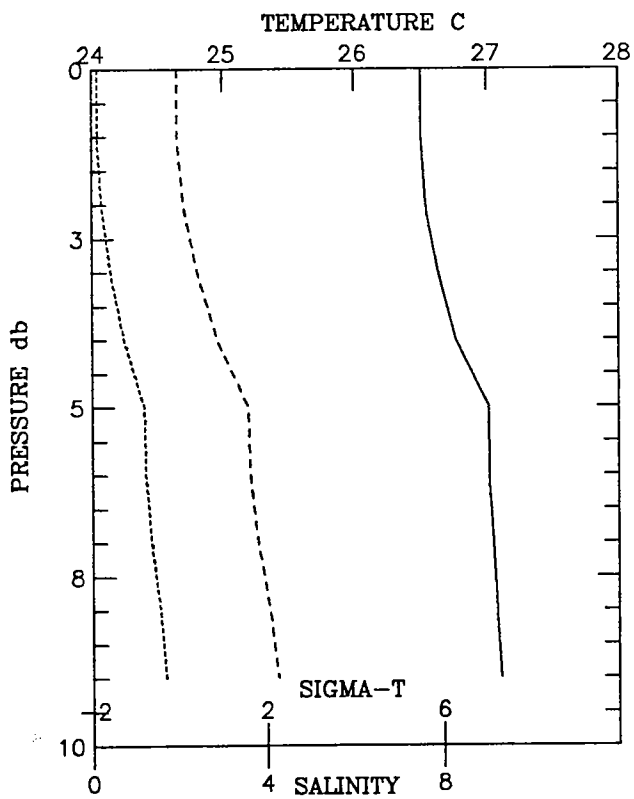
Cruise 19002 Leg 4 Station # 5.16 Depth m:12 Time: 1990-03-11 08:36  
 Position: 1° 39.70'N 49° 9.50'W Depth Deck Offset: -0.30 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	27.149	2.789	-1.431	0.0000	4.648	58.8	532.2
1.0	27.187	4.020	-0.521	0.0283	4.606	59.9	567.0
2.0	27.191	4.071	-0.484	0.0562	4.527	59.3	567.0
3.0	27.212	4.194	-0.398	0.0840	4.563	58.8	567.0
4.0	27.315	5.082	0.236	0.1114	4.360	40.3	567.0
5.0	27.357	5.968	0.885	0.1382	4.097	4.0	567.0
6.0	27.367	6.302	1.132	0.1646	3.998	1.7	567.0
7.0	27.373	6.510	1.286	0.1907	3.956	1.0	567.0
8.0	27.382	6.855	1.541	0.2167	3.908	0.6	567.0



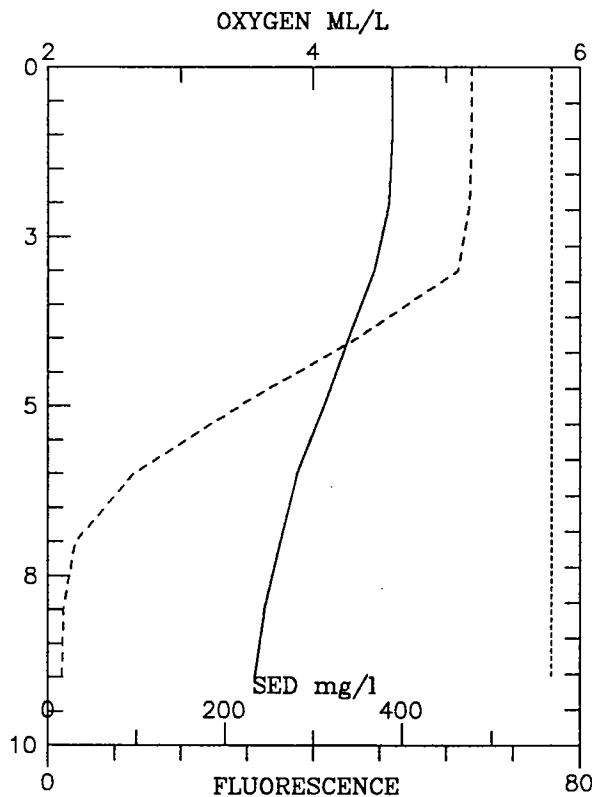
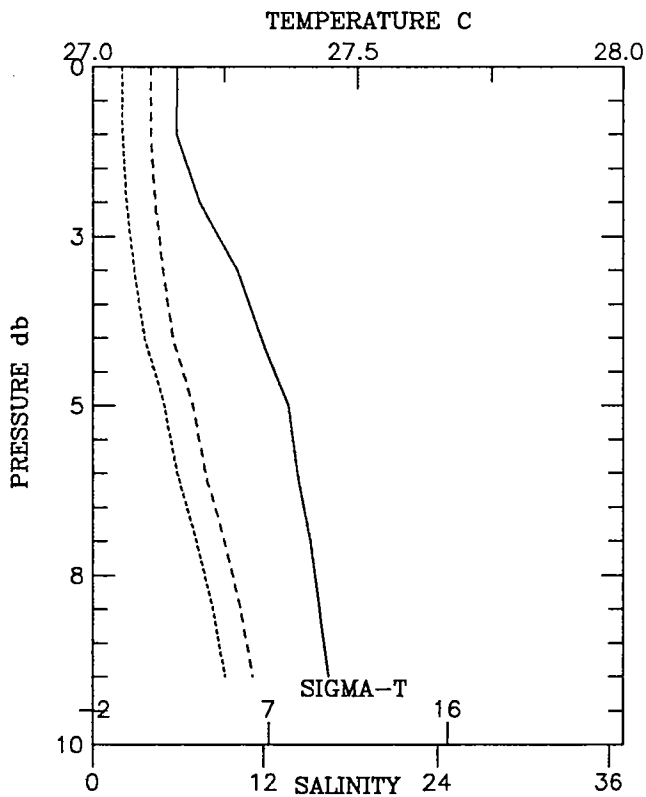
Cruise 19002 Leg 4 Station # 5.14 Depth m:11 Time: 1990-03-11 07:34  
 Position: 1° 39.70'N 49° 9.50'W Depth Deck Offset: -0.28 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.503	1.961	-1.873	0.0000	6.116	46.2	567.0
1.0		26.503	1.961	-1.873	0.0292	6.117	46.2	567.0
2.0		26.535	2.106	-1.773	0.0584	6.044	46.5	567.0
3.0		26.630	2.413	-1.569	0.0874	6.408	46.2	567.0
4.0		26.763	2.871	-1.262	0.1162	6.910	45.2	567.0
5.0		27.008	3.574	-0.804	0.1446	7.347	35.0	567.0
6.0		27.013	3.620	-0.771	0.1728	7.825	6.6	567.0
7.0		27.041	3.794	-0.649	0.2008	8.334	1.9	567.0
8.0		27.071	4.069	-0.452	0.2287	8.748	1.0	567.0
9.0		27.102	4.256	-0.321	0.2565	9.145	0.7	567.0



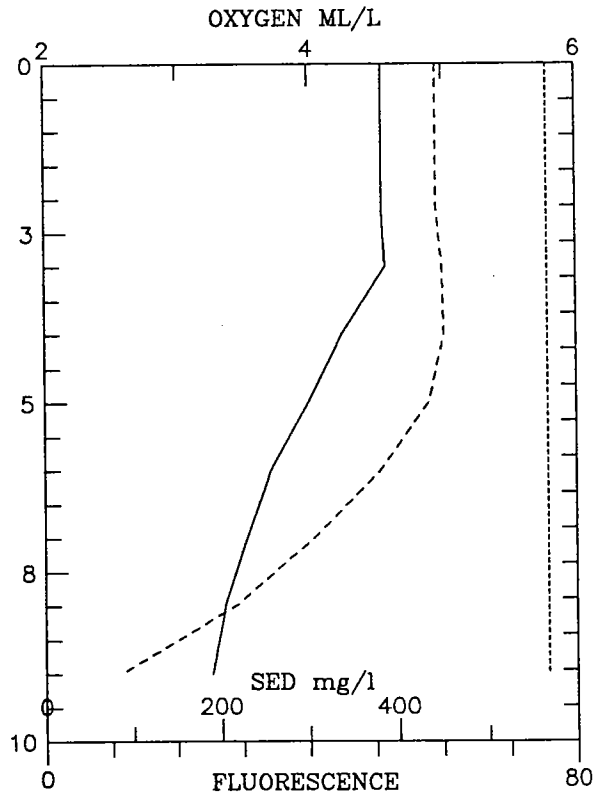
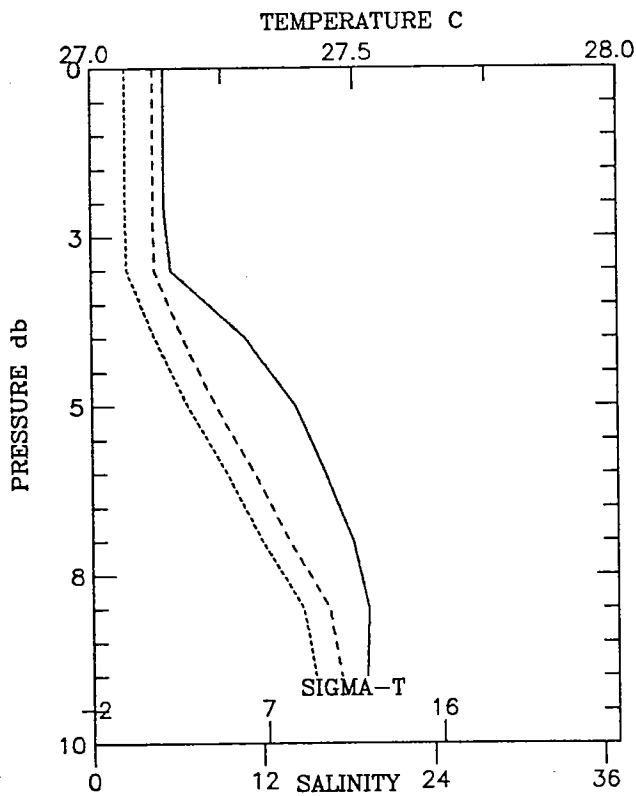
Cruise I9002 Leg 4 Station # 5.17 Depth m:12 Time: 1990-03-11 09:35  
 Position: 1° 39.70'N 49° 9.50'W Depth Deck Offset: -0.28 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.160	4.070	-0.476	0.0000	4.597	63.8	567.0
1.0	27.160	4.070	-0.476	0.0278	4.597	63.8	567.0
2.0	27.202	4.359	-0.272	0.0556	4.575	63.5	567.0
3.0	27.274	4.929	0.133	0.0830	4.461	61.8	567.0
4.0	27.319	5.646	0.656	0.1100	4.266	46.6	567.0
5.0	27.370	7.035	1.679	0.1361	4.084	28.9	567.0
6.0	27.387	7.931	2.342	0.1615	3.881	13.0	567.0
7.0	27.411	9.260	3.326	0.1860	3.754	4.1	567.0
8.0	27.429	10.401	4.172	0.2097	3.633	2.3	567.0
9.0	27.445	11.235	4.789	0.2325	3.558	2.1	567.0



Cruise 19002 Leg 4 Station # 5.18 Depth m:12 Time: 1990-03-11 10:36  
 Position: 1° 39.70'N 49° 9.50'W Depth Deck Offset: -0.28 Fish 2

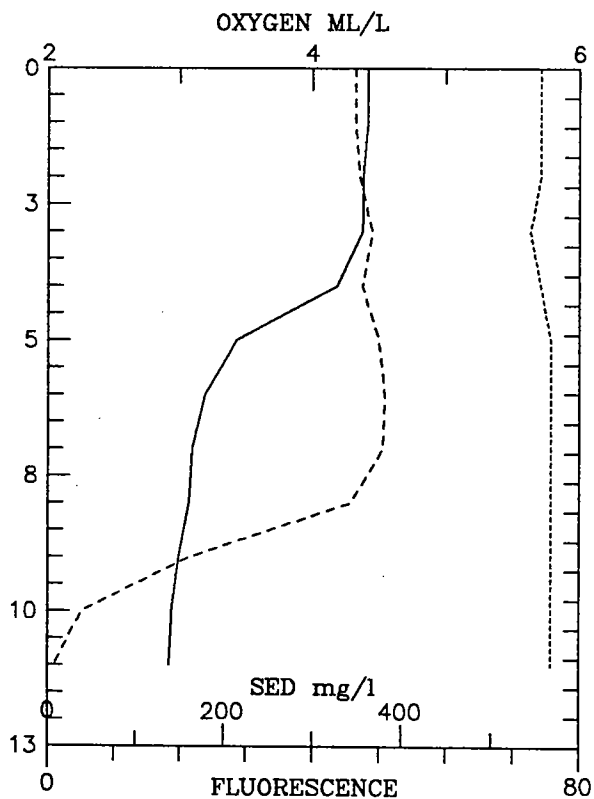
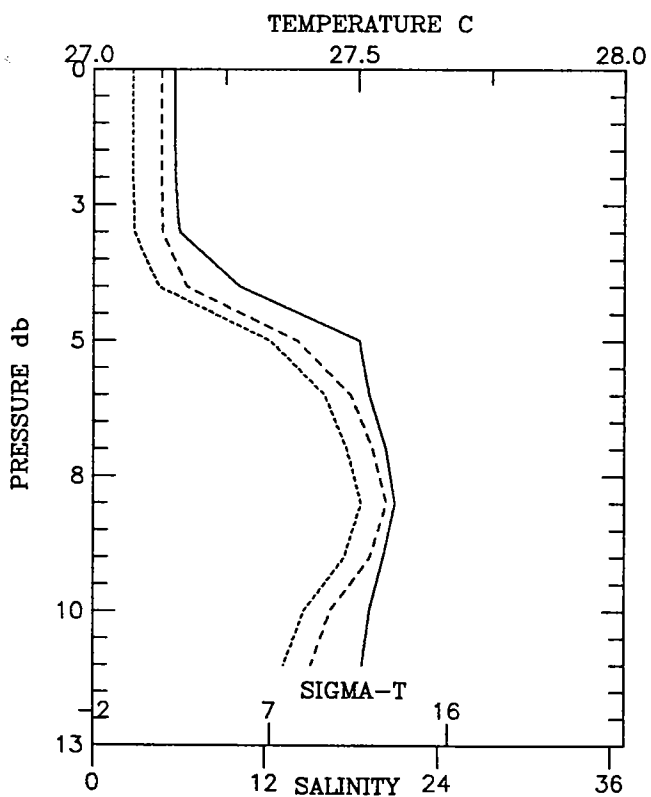
PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 27.141	4.427	-0.204	0.0000	4.555	59.1	567.0
1.0	E 27.140	4.426	-0.205	0.0276	4.556	59.1	567.0
2.0	27.140	4.426	-0.204	0.0551	4.556	59.1	567.0
3.0	27.153	4.506	-0.148	0.0827	4.576	60.0	567.0
4.0	27.294	6.484	1.289	0.1094	4.247	60.2	567.0
5.0	27.386	8.774	2.971	0.1347	3.995	57.9	567.0
6.0	27.444	11.459	4.957	0.1581	3.712	50.7	567.0
7.0	27.496	13.862	6.733	0.1796	3.531	40.7	567.0
8.0	27.525	16.677	8.826	0.1993	3.358	28.8	567.0
9.0	27.522	17.488	9.432	0.2176	3.264	11.3	567.0





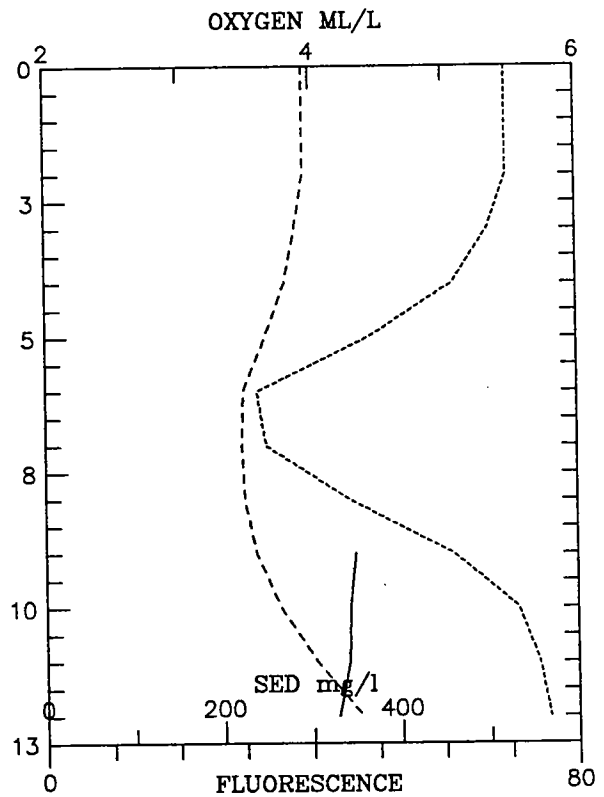
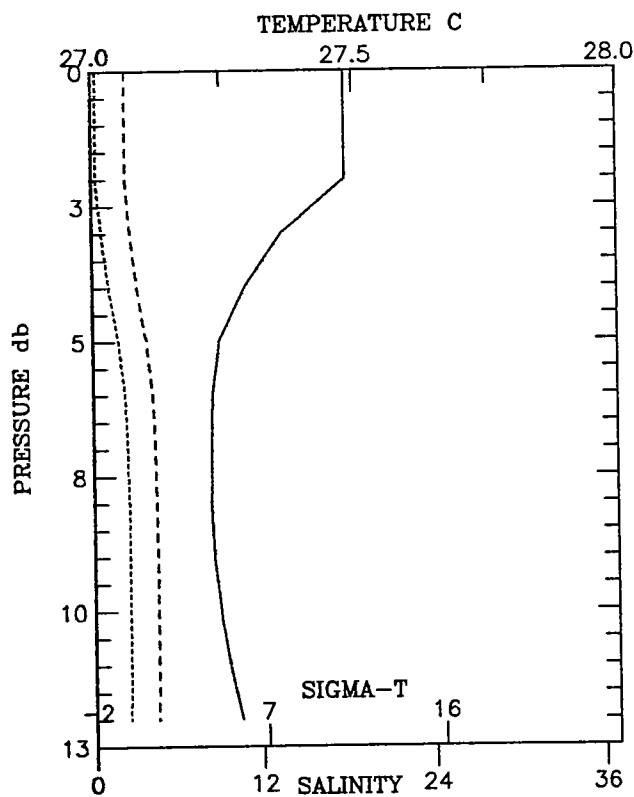
Cruise I9002 Leg 4 Station # 5.19 Depth m:13 Time: 1990-03-11 11:36  
 Position: 1° 37.90'N 49° 9.50'W Depth Deck Offset: -0.33 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.154	4.692	-0.010	0.0000	4.412	46.4	555.2
1.0	27.153	4.692	-0.009	0.0274	4.413	46.4	555.2
2.0	27.154	4.718	0.010	0.0547	4.381	47.1	555.2
3.0	27.163	4.823	0.086	0.0820	4.372	49.0	543.6
4.0	27.277	6.523	1.323	0.1087	4.187	47.5	555.2
5.0	27.502	14.259	7.028	0.1319	3.434	50.0	567.0
6.0	27.521	17.960	9.784	0.1509	3.197	50.9	567.0
7.0	27.552	19.477	10.908	0.1680	3.100	50.6	567.0
8.0	27.569	20.453	11.632	0.1843	3.074	45.7	567.0
9.0	27.548	19.307	10.782	0.2005	2.997	21.6	567.0
10.0	27.520	16.534	8.720	0.2182	2.945	5.1	567.0
11.0	27.508	15.202	7.729	0.2374	2.923	0.9	567.0



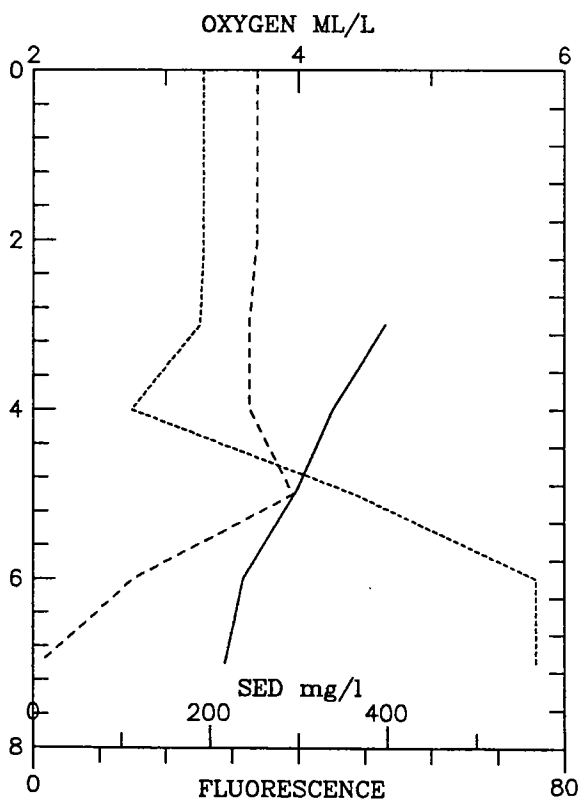
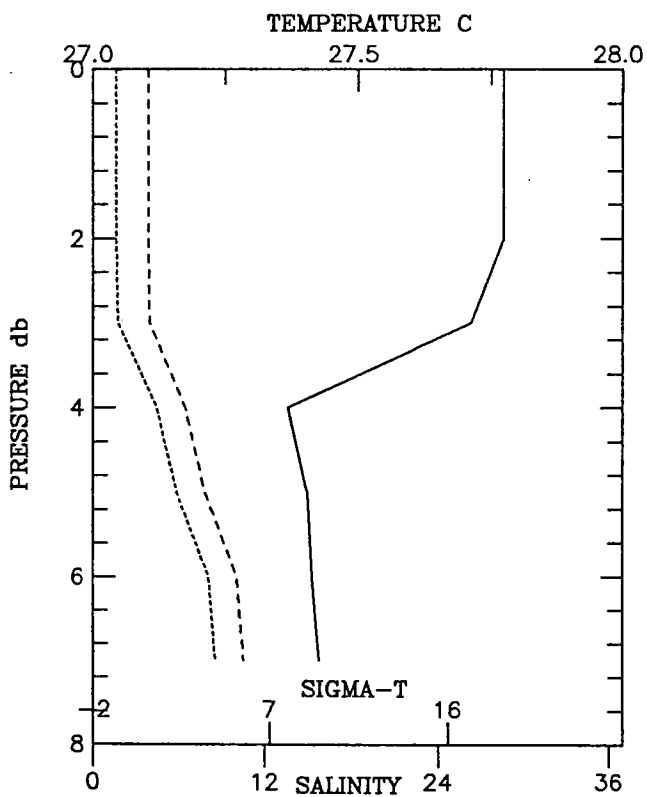
Cruise 19002 Leg 4 Station # 6.00 Depth m:15 Time: 1990-03-11 15:40  
 Position: 1° 23.65'N 49° 23.65'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.486	2.460	-1.772	0.0000	0.000	39.0	521.1
1.0	E	27.486	2.460	-1.772	0.0291	0.000	39.0	521.1
2.0		27.485	2.460	-1.772	0.0583	0.000	39.0	521.1
3.0		27.365	2.789	-1.492	0.0873	0.000	37.7	499.6
4.0		27.295	3.252	-1.126	0.1159	0.000	36.1	459.1
5.0		27.246	3.898	-0.629	0.1442	0.000	33.1	364.0
6.0		27.231	4.309	-0.318	0.1720	0.000	29.8	238.7
7.0		27.229	4.455	-0.208	0.1996	0.000	29.6	249.0
8.0		27.228	4.535	-0.148	0.2271	0.000	30.0	341.7
9.0		27.233	4.559	-0.131	0.2546	4.327	31.7	459.1
10.0		27.245	4.572	-0.125	0.2821	4.280	35.3	532.2
11.0		27.261	4.573	-0.129	0.3096	4.272	40.6	555.2
12.0		27.284	4.542	-0.158	0.3371	4.189	47.4	567.0



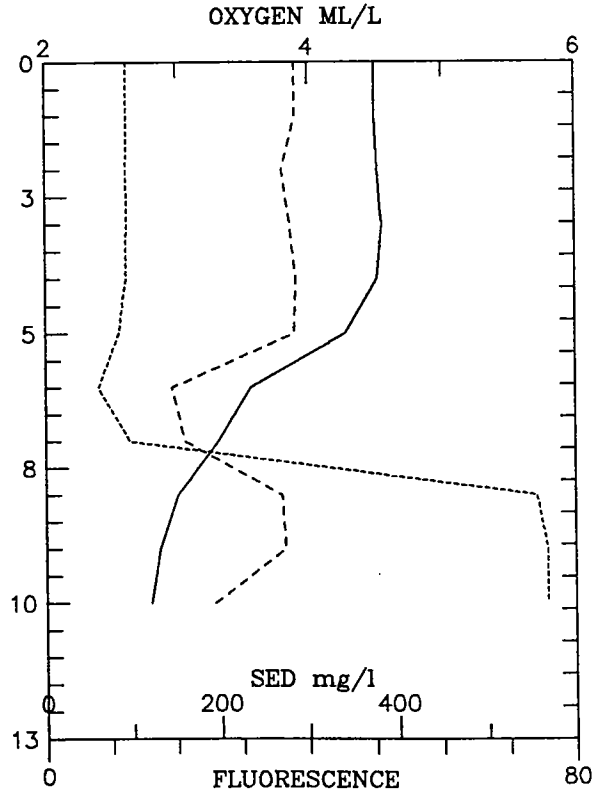
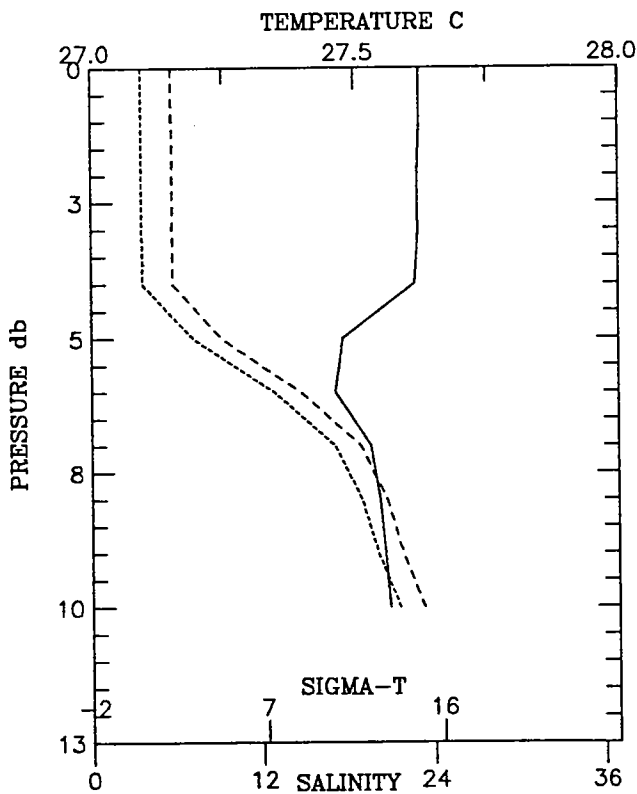
Cruise I9002 Leg 4 Station # 7.00 Depth m:10 Time: 1990-03-11 17:13  
 Position: 1° 33.92'N 49° 15.03'W Depth Deck Offset: 0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.773	3.853	-0.812	0.0000	0.000	33.8	193.3
1.0	E	27.773	3.853	-0.812	0.0282	0.000	33.8	193.3
2.0		27.773	3.853	-0.812	0.0563	0.000	33.8	193.3
3.0		27.711	3.943	-0.727	0.0845	4.655	32.6	189.3
4.0		27.368	6.456	1.247	0.1116	4.256	32.7	111.7
5.0		27.404	7.842	2.271	0.1372	3.971	39.3	364.0
6.0		27.412	10.038	3.906	0.1614	3.584	15.2	567.0
7.0		27.426	10.500	4.247	0.1847	3.449	1.1	567.0



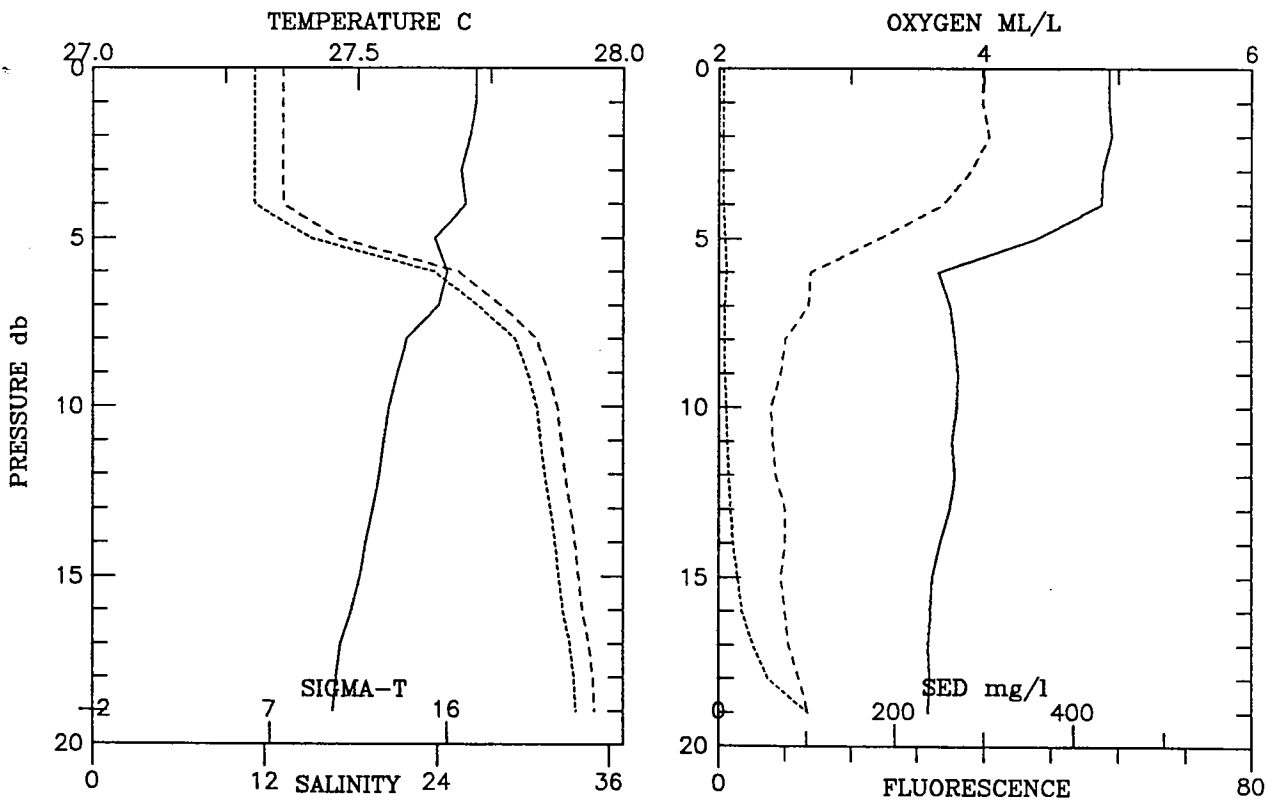
Cruise 19002 Leg 4 Station # 8.00 Depth m:13 Time: 1990-03-11 18:34  
 Position: 1° 52.55'N 49° 1.94'W Depth Deck Offset: -0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.623	5.723	0.626	0.0000	4.500	38.1	93.6
1.0		27.623	5.723	0.626	0.0267	4.500	38.1	93.6
2.0		27.620	5.731	0.633	0.0535	4.518	36.1	93.0
3.0		27.621	5.723	0.627	0.0802	4.553	37.3	93.3
4.0		27.614	5.773	0.666	0.1069	4.515	38.2	92.3
5.0		27.478	9.169	3.239	0.1323	4.278	37.9	83.9
6.0		27.463	14.720	7.383	0.1544	3.566	19.3	60.1
7.0		27.530	18.911	10.492	0.1729	3.317	21.3	97.1
8.0		27.548	20.723	11.840	0.1892	3.006	36.0	555.2
9.0		27.557	21.824	12.660	0.2045	2.873	36.5	567.0
10.0		27.566	23.301	13.762	0.2188	2.802	25.8	567.0



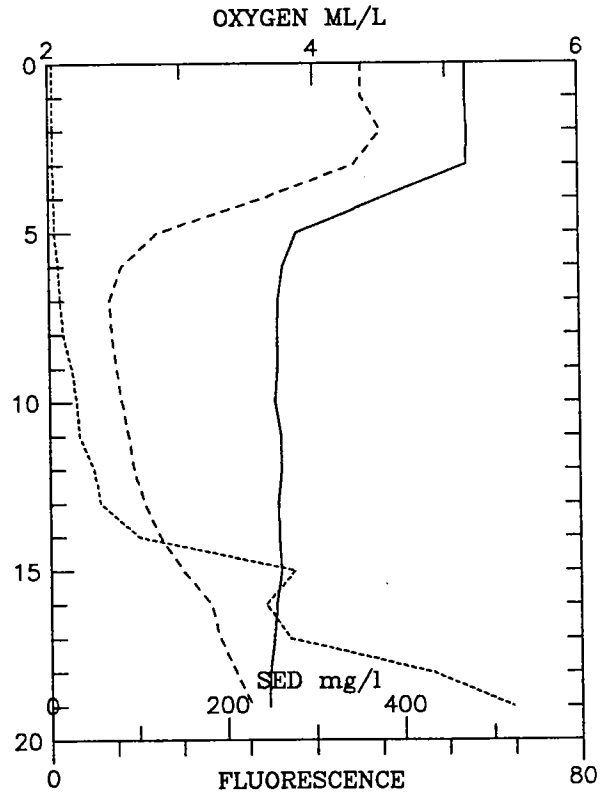
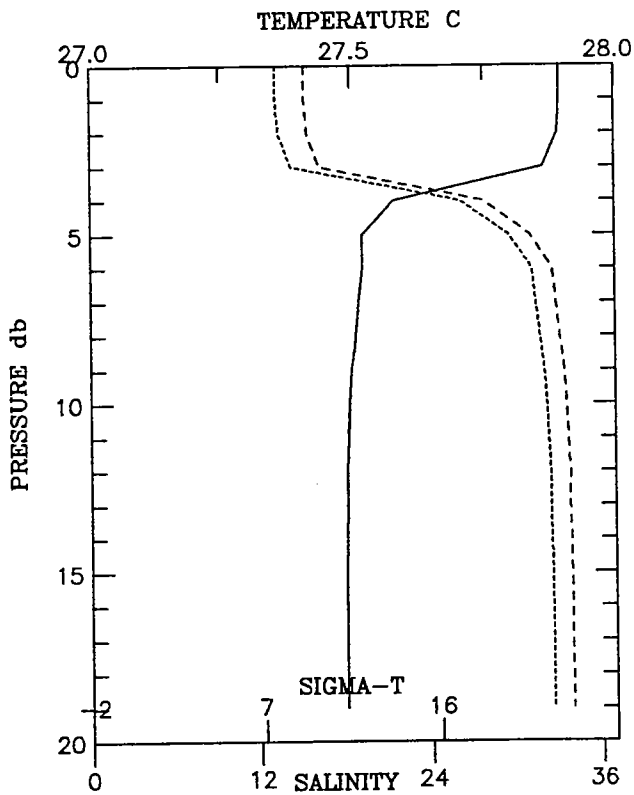
Cruise 19002 Leg 4 Station # 9.00 Depth m:21 Time: 1990-03-11 20:10  
 Position: 2° 4.20'N 48° 52.58'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.722	13.247	6.207	0.0000	4.932	39.8	4.9
1.0		27.722	13.247	6.207	0.0212	4.932	39.8	4.9
2.0		27.711	13.244	6.208	0.0424	4.950	40.8	4.9
3.0		27.693	13.232	6.205	0.0636	4.889	38.2	5.0
4.0		27.703	13.286	6.242	0.0847	4.881	34.0	5.0
5.0		27.644	17.018	9.044	0.1045	4.391	24.3	6.9
6.0		27.668	25.464	15.349	0.1198	3.668	14.0	8.5
7.0		27.652	28.431	17.576	0.1310	3.754	13.6	6.4
8.0		27.590	30.896	19.446	0.1402	3.788	10.1	5.8
9.0		27.574	31.730	20.077	0.1482	3.813	9.4	6.6
10.0		27.557	32.346	20.545	0.1556	3.800	7.9	8.2
11.0		27.549	32.604	20.742	0.1627	3.770	8.2	9.2
12.0		27.540	32.897	20.965	0.1697	3.789	8.6	11.1
13.0		27.527	33.281	21.258	0.1764	3.750	10.1	13.2
14.0		27.515	33.578	21.485	0.1828	3.678	10.1	15.9
15.0		27.503	33.835	21.682	0.1890	3.619	9.4	21.2
16.0		27.487	34.102	21.888	0.1951	3.605	10.1	26.1
17.0		27.468	34.564	22.242	0.2009	3.590	10.6	38.5
18.0		27.458	34.836	22.450	0.2064	3.598	12.2	55.8
19.0		27.453	34.950	22.537	0.2117	3.588	13.6	101.2



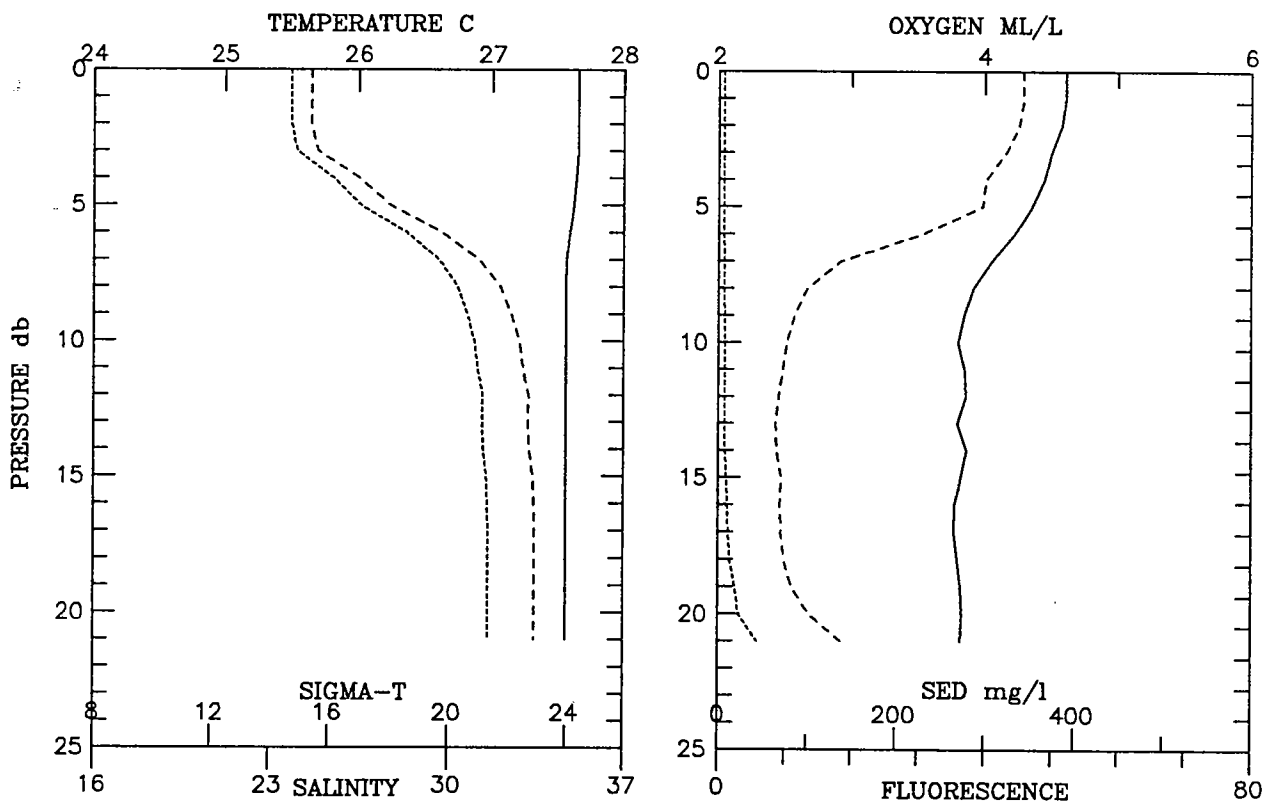
Cruise I9002 Leg 4 Station # 10.00 Depth m:21 Time: 1990-03-11 21:35  
 Position: 2° 13.90'N 48° 58.90'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.894	15.262	7.658	0.0000	5.149	47.3	4.6
1.0		27.894	15.262	7.658	0.0198	5.149	47.3	4.6
2.0		27.890	15.454	7.802	0.0394	5.162	50.2	4.6
3.0		27.862	16.321	8.457	0.0587	5.156	46.1	4.9
4.0		27.581	27.706	17.055	0.0735	4.508	32.3	5.7
5.0		27.522	30.944	19.503	0.0829	3.870	16.5	6.3
6.0		27.522	32.511	20.681	0.0906	3.768	11.0	10.2
7.0		27.514	32.768	20.876	0.0976	3.731	9.2	12.3
8.0		27.508	33.035	21.079	0.1044	3.727	9.5	15.7
9.0		27.500	33.342	21.312	0.1110	3.724	10.2	25.1
10.0		27.496	33.496	21.429	0.1174	3.706	11.0	30.9
11.0		27.494	33.605	21.512	0.1238	3.748	12.0	33.6
12.0		27.491	33.719	21.599	0.1300	3.747	12.8	50.0
13.0		27.491	33.709	21.591	0.1363	3.727	14.4	57.3
14.0		27.490	33.771	21.638	0.1425	3.731	16.7	101.2
15.0		27.489	33.815	21.671	0.1486	3.742	20.1	276.7
16.0		27.489	33.842	21.692	0.1548	3.704	24.3	243.8
17.0		27.489	33.837	21.688	0.1609	3.684	25.6	270.9
18.0		27.489	33.852	21.699	0.1670	3.652	28.0	431.0
19.0		27.489	33.856	21.702	0.1732	3.647	30.4	521.1



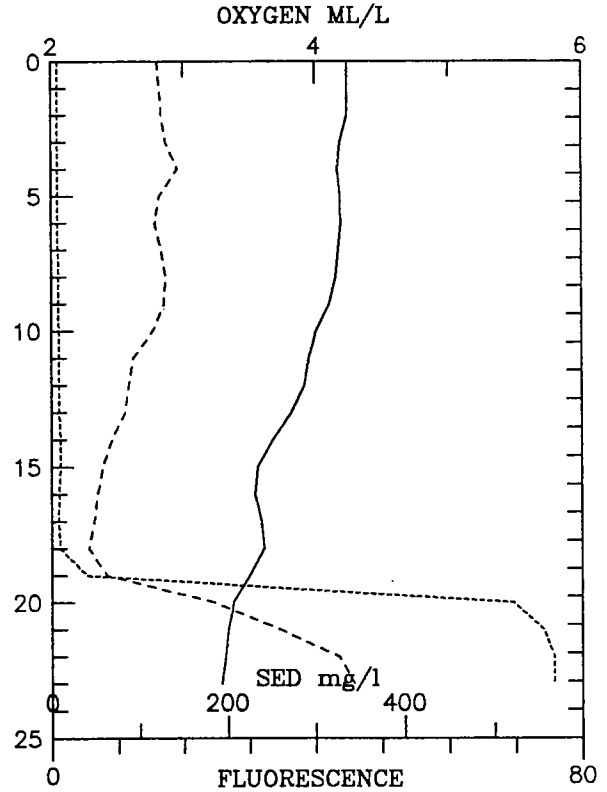
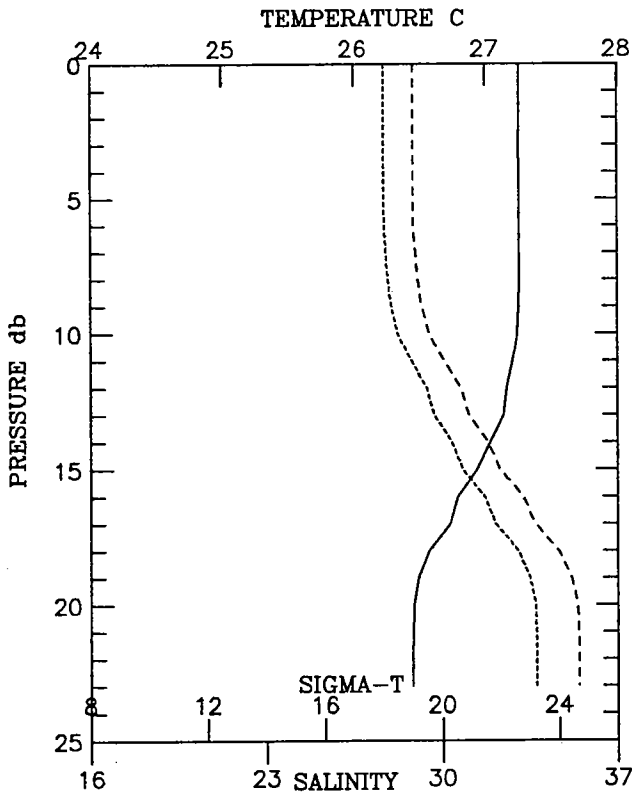
Cruise 19002 Leg 4 Station # 11.00 Depth m:23 Time: 1990-03-12 01:13  
 Position: 2° 28.51'N 49° 11.27'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.648	24.636	14.735	0.0000	4.605	45.8	5.4
2.0		27.646	24.631	14.732	0.0257	4.580	45.2	5.4
4.0		27.632	26.508	16.141	0.0505	4.449	40.2	5.3
6.0		27.586	29.770	18.601	0.0714	4.223	30.6	5.7
8.0		27.555	32.068	20.337	0.0877	3.917	13.4	6.3
10.0		27.557	32.819	20.901	0.1019	3.807	10.3	7.0
12.0		27.556	33.183	21.175	0.1155	3.864	9.1	7.1
14.0		27.556	33.208	21.194	0.1287	3.872	8.8	7.2
16.0		27.557	33.399	21.337	0.1418	3.783	9.3	10.0
18.0		27.558	33.421	21.353	0.1547	3.802	9.9	13.0
20.0		27.558	33.430	21.360	0.1676	3.835	13.7	23.0
21.0		27.558	33.426	21.357	0.1740	3.829	18.5	44.0



Cruise 19002 Leg 4 Station # 14.00 Depth m:23 Time: 1990-03-12 10:56  
 Position: 2° 46.13'N 49° 45.90'W Depth Deck Offset: 1.03 Fish 2

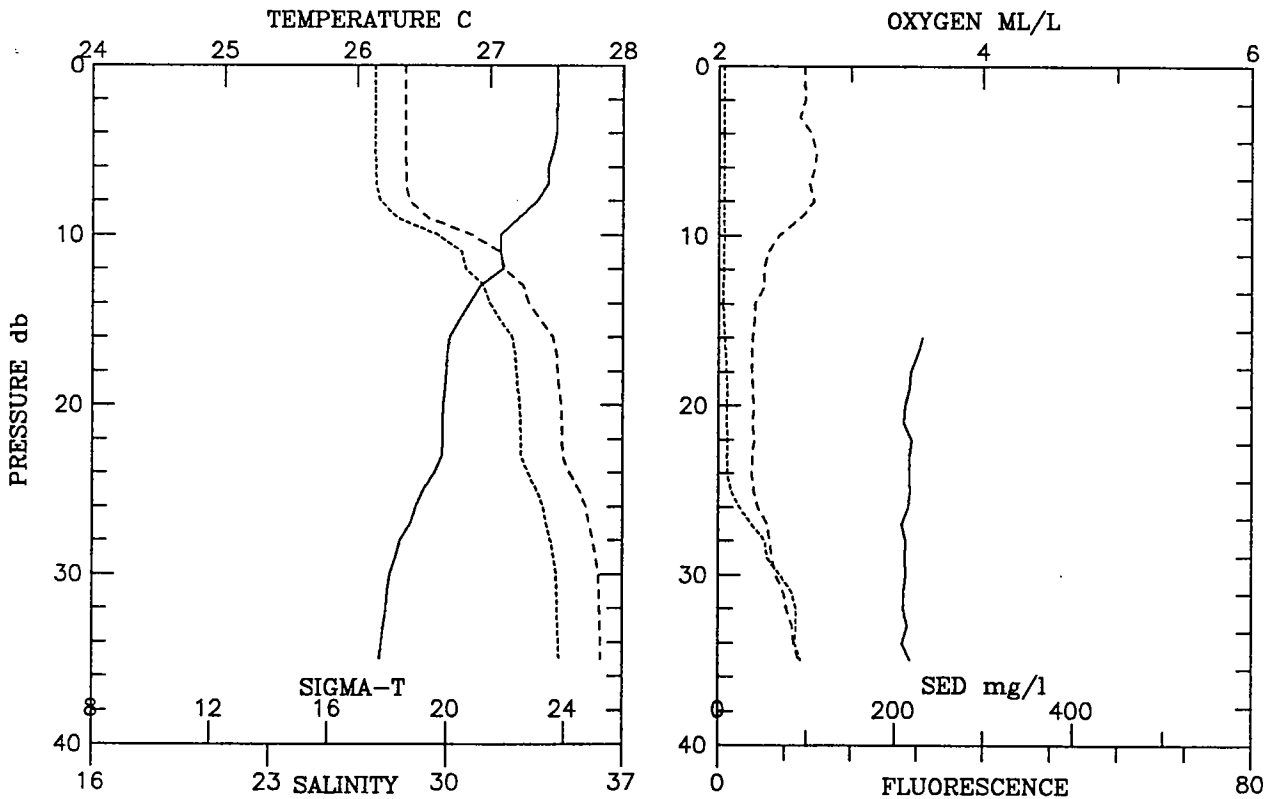
PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	27.254	28.857	18.021	0.0000	4.241	16.2	7.0
2.0	27.254	28.858	18.022	0.0193	4.246	16.8	7.0
4.0	27.255	28.861	18.024	0.0386	4.170	19.2	7.2
6.0	27.254	28.873	18.033	0.0579	4.194	15.8	7.2
8.0	27.257	29.040	18.157	0.0771	4.158	17.4	7.4
10.0	27.239	29.475	18.490	0.0959	4.004	15.4	8.0
12.0	27.157	30.750	19.473	0.1133	3.918	11.7	8.5
14.0	27.031	31.847	20.337	0.1292	3.681	9.1	9.7
16.0	26.782	33.235	21.460	0.1432	3.544	6.9	8.2
18.0	26.568	34.653	22.595	0.1550	3.611	5.6	9.3
20.0	26.450	35.389	23.187	0.1648	3.373	24.7	521.1
22.0	26.442	35.426	23.218	0.1742	3.316	43.5	567.0
23.0	26.440	35.429	23.221	0.1789	3.288	45.8	567.0





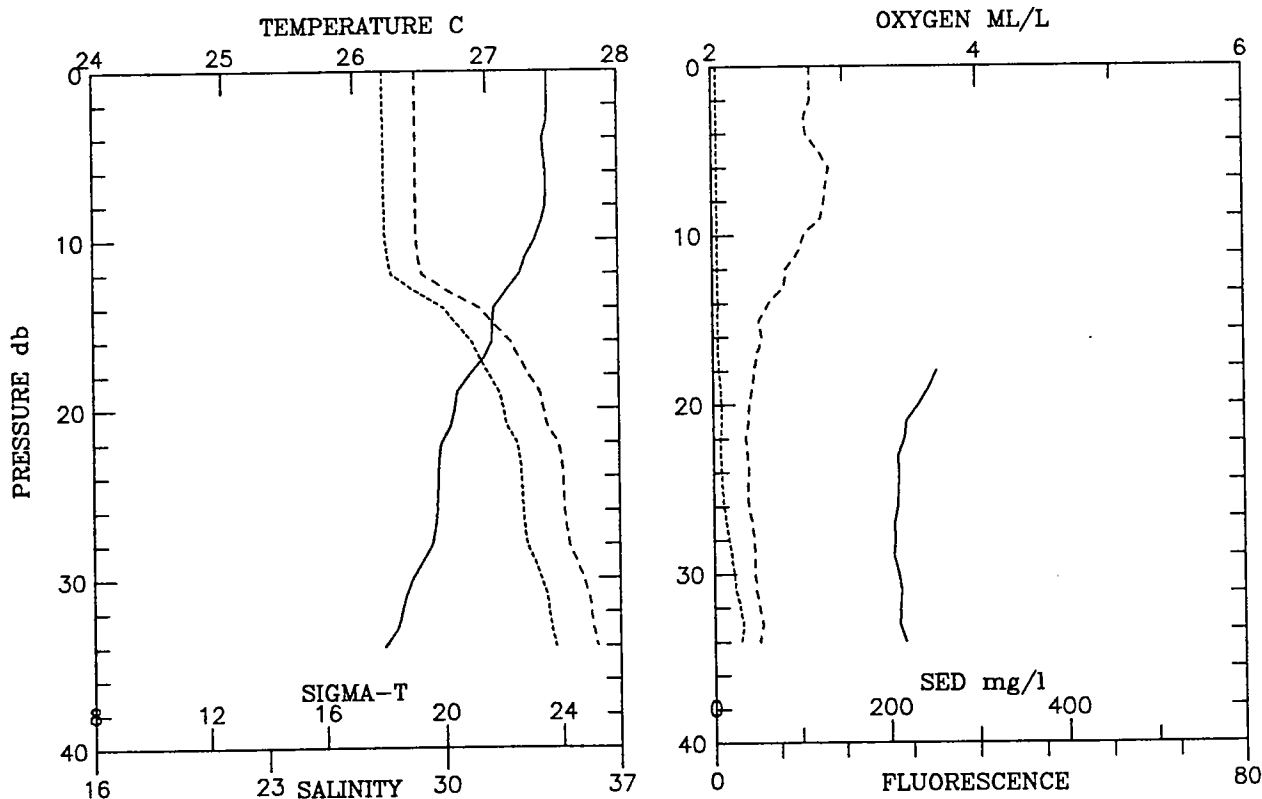
Cruise 19002 Leg 4 Station # 15.01 Depth m:39 Time: 1990-03-12 17:03  
 Position: 3° 20.16'N 49° 59.36'W Depth Deck Offset: 0.12 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.504	28.373	17.579	0.0000	0.000	13.0	5.3
2.0		27.503	28.373	17.580	0.0202	0.000	13.1	5.3
4.0		27.499	28.372	17.580	0.0403	0.000	14.0	5.3
6.0		27.436	28.392	17.615	0.0605	0.000	14.5	5.3
8.0		27.352	28.544	17.755	0.0805	0.000	14.4	5.4
10.0		27.077	31.011	19.695	0.0988	0.000	9.1	5.9
12.0		27.094	32.295	20.655	0.1137	0.000	6.8	5.3
14.0		26.845	33.274	21.469	0.1269	0.000	5.5	5.0
16.0		26.694	34.226	22.234	0.1389	3.545	5.1	6.7
18.0		26.669	34.405	22.377	0.1499	3.456	5.0	8.7
20.0		26.645	34.555	22.497	0.1608	3.415	5.3	9.3
22.0		26.636	34.602	22.536	0.1715	3.460	5.4	9.9
24.0		26.580	34.888	22.769	0.1820	3.448	5.0	9.9
26.0		26.441	35.532	23.298	0.1917	3.438	6.0	23.6
28.0		26.326	35.816	23.549	0.2007	3.417	7.8	52.8
30.0		26.245	36.038	23.742	0.2092	3.420	8.7	70.1
32.0		26.218	36.076	23.779	0.2175	3.405	10.3	88.3
34.0		26.182	36.118	23.822	0.2258	3.393	11.4	87.0
35.0		26.167	36.133	23.838	0.2299	3.453	12.2	93.3



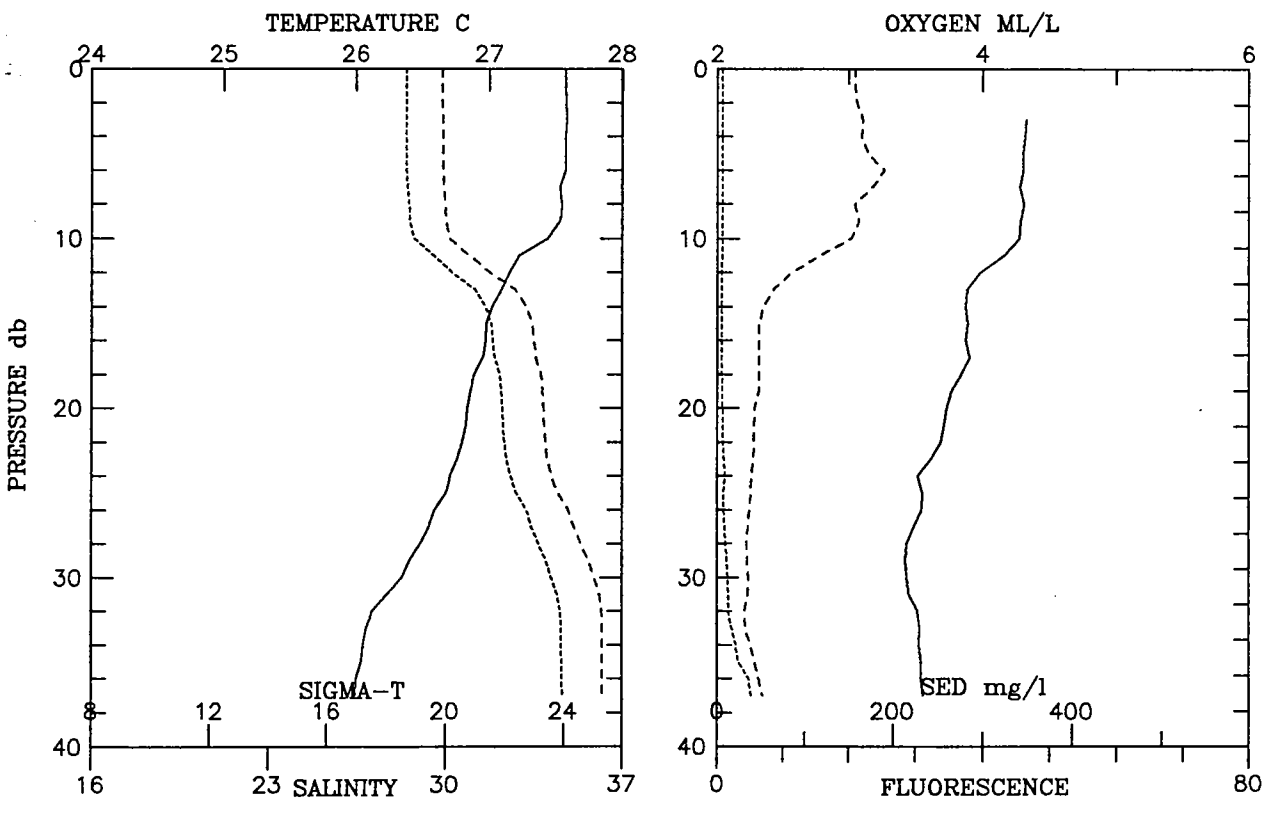
Cruise I9002 Leg 4 Station # 15.02 Depth m:39 Time: 1990-03-12 18:03  
 Position: 3° 19.84'N 50° 0.13'W Depth Deck Offset: 0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.462	28.929	18.009	0.0000	0.000	15.1	5.3
2.0	27.462	28.928	18.009	0.0193	0.000	15.1	5.3
4.0	27.424	28.925	18.018	0.0387	0.000	14.4	5.2
6.0	27.448	28.942	18.024	0.0580	0.000	17.9	5.2
8.0	27.446	28.949	18.030	0.0773	0.000	17.1	5.3
10.0	27.360	28.956	18.062	0.0965	0.000	14.0	5.3
12.0	27.248	29.161	18.251	0.1156	0.000	11.2	5.5
14.0	27.046	31.427	20.017	0.1329	0.000	8.5	5.8
16.0	27.033	32.667	20.953	0.1475	0.000	7.4	5.3
18.0	26.859	33.377	21.543	0.1606	3.693	6.3	6.3
20.0	26.746	33.961	22.018	0.1726	3.554	5.5	9.0
22.0	26.644	34.527	22.477	0.1839	3.446	4.9	7.6
24.0	26.618	34.712	22.624	0.1945	3.407	5.3	8.6
26.0	26.608	34.772	22.673	0.2049	3.397	5.3	10.9
28.0	26.570	34.949	22.818	0.2152	3.373	6.1	16.6
30.0	26.424	35.505	23.283	0.2249	3.401	6.2	22.4
32.0	26.340	35.825	23.551	0.2338	3.409	6.8	29.0
34.0	26.213	36.063	23.771	0.2423	3.447	6.8	29.9



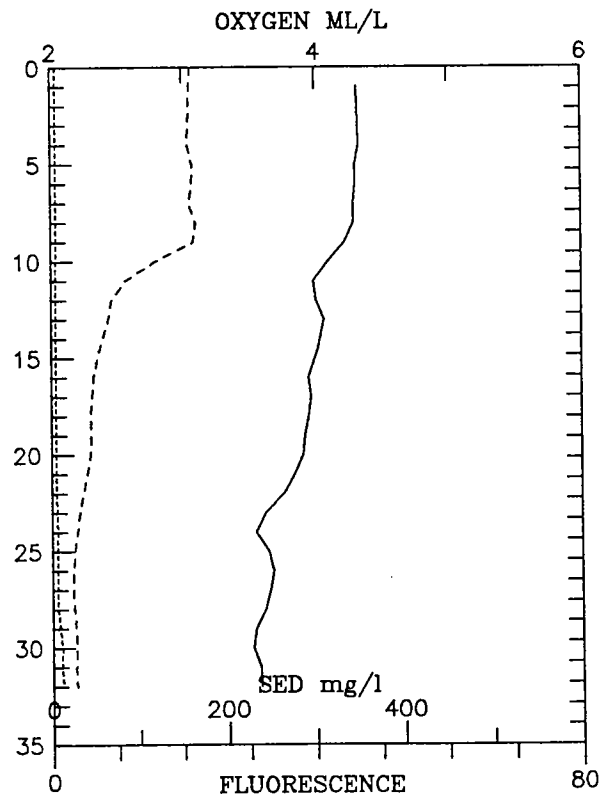
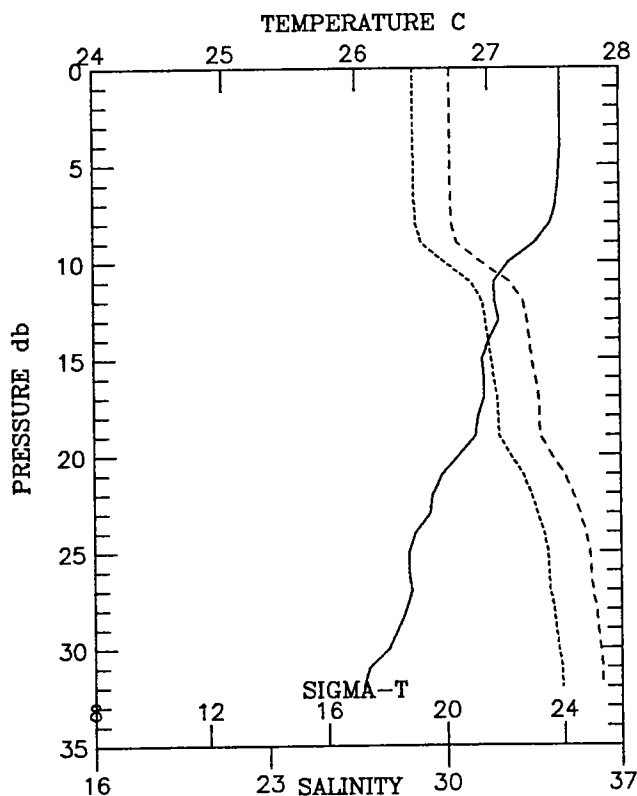
Cruise 19002 Leg 4 Station # 15.03 Depth m:39 Time: 1990-03-12 19:07  
 Position: 3° 19.82'N 50° 0.15'W Depth Deck Offset: 0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 27.573	29.881	18.689	0.0000	0.000	21.0	5.3
2.0	27.577	29.886	18.691	0.0180	0.000	21.3	5.3
4.0	27.570	29.904	18.707	0.0360	4.318	22.0	5.3
6.0	27.572	29.908	18.709	0.0540	4.302	25.4	5.3
8.0	27.543	30.005	18.791	0.0719	4.305	21.0	5.2
10.0	27.433	30.175	18.954	0.0896	4.273	20.4	5.3
12.0	27.151	31.771	20.242	0.1059	3.984	11.3	5.0
14.0	27.017	33.203	21.362	0.1197	3.874	7.0	4.8
16.0	26.969	33.504	21.604	0.1323	3.876	6.3	4.8
18.0	26.881	33.778	21.837	0.1445	3.840	6.3	5.1
20.0	26.833	33.876	21.926	0.1564	3.734	5.7	5.8
22.0	26.796	33.944	21.990	0.1682	3.693	5.6	6.4
24.0	26.703	34.196	22.209	0.1797	3.523	5.2	8.5
26.0	26.588	34.858	22.744	0.1906	3.549	4.9	7.2
28.0	26.479	35.355	23.153	0.2005	3.437	4.5	9.3
30.0	26.341	35.872	23.586	0.2095	3.439	4.8	11.9
32.0	26.120	36.185	23.892	0.2178	3.522	4.2	12.4
34.0	26.052	36.201	23.925	0.2259	3.530	5.1	21.3
36.0	26.001	36.208	23.947	0.2339	3.546	6.3	36.2
37.0	25.994	36.209	23.949	0.2378	3.561	6.9	39.0



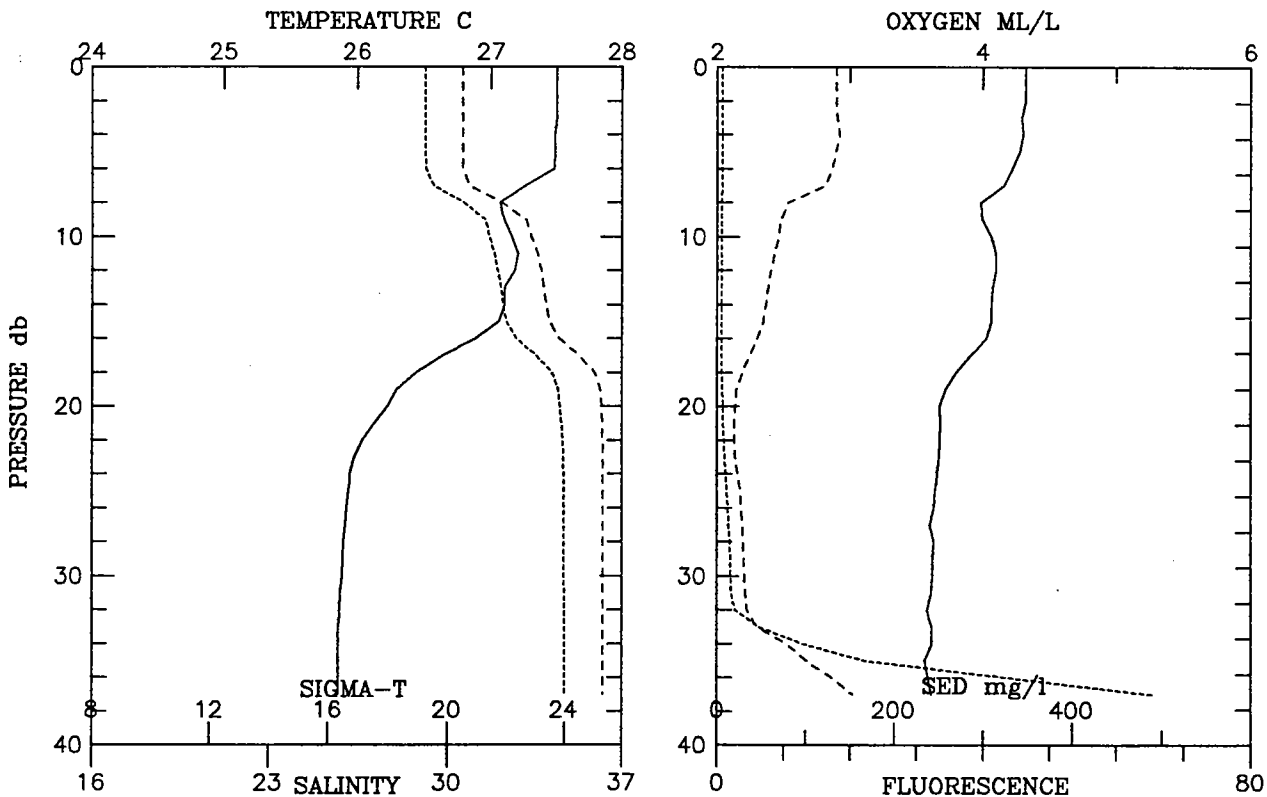
Cruise I9002 Leg 4 Station # 15.04 Depth m:40 Time: 1990-03-12 20:02  
 Position: 3° 19.80'N 50° 0.18'W Depth Deck Offset: 2.12 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0		27.548	30.248	18.972	0.0000	0.000	21.3	5.2
2.0	*	27.547	30.247	18.972	0.0175	4.326	21.1	5.3
4.0		27.546	30.247	18.972	0.0350	4.334	20.9	5.3
6.0		27.526	30.250	18.981	0.0524	4.308	21.5	5.3
8.0		27.463	30.299	19.038	0.0698	4.293	22.1	5.3
10.0		27.151	31.472	20.018	0.0865	4.100	15.9	5.1
12.0		27.040	33.089	21.269	0.1006	4.007	9.2	4.5
14.0		26.997	33.354	21.482	0.1135	4.037	7.8	4.5
16.0		26.959	33.573	21.658	0.1260	3.948	6.4	4.6
18.0		26.908	33.727	21.791	0.1381	3.949	5.9	4.6
20.0		26.767	34.215	22.203	0.1500	3.904	5.9	4.7
22.0		26.566	35.058	22.901	0.1605	3.757	4.7	4.9
24.0		26.437	35.562	23.322	0.1701	3.545	3.8	6.0
26.0		26.385	35.765	23.492	0.1790	3.677	3.2	5.3
28.0		26.363	35.975	23.657	0.1877	3.612	3.3	5.7
30.0		26.232	36.126	23.812	0.1961	3.521	3.6	10.4
32.0		26.037	36.205	23.933	0.2042	3.577	3.6	11.7



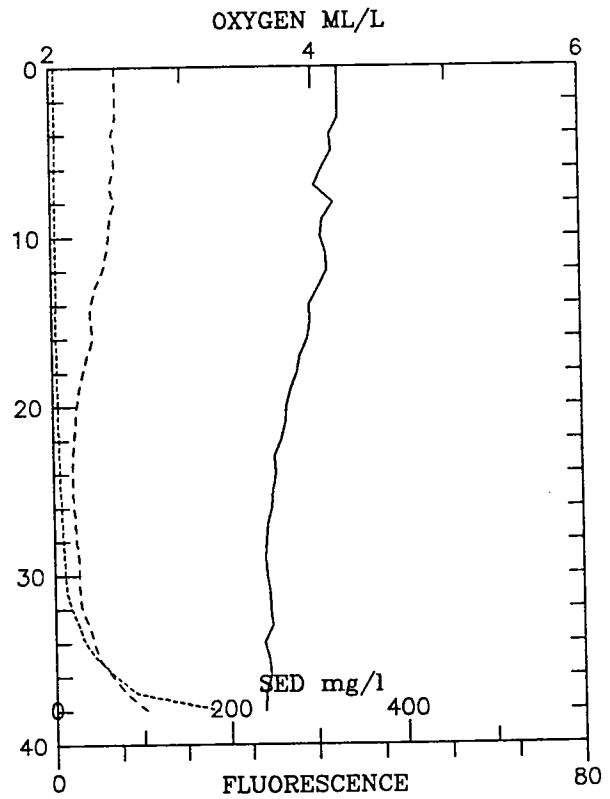
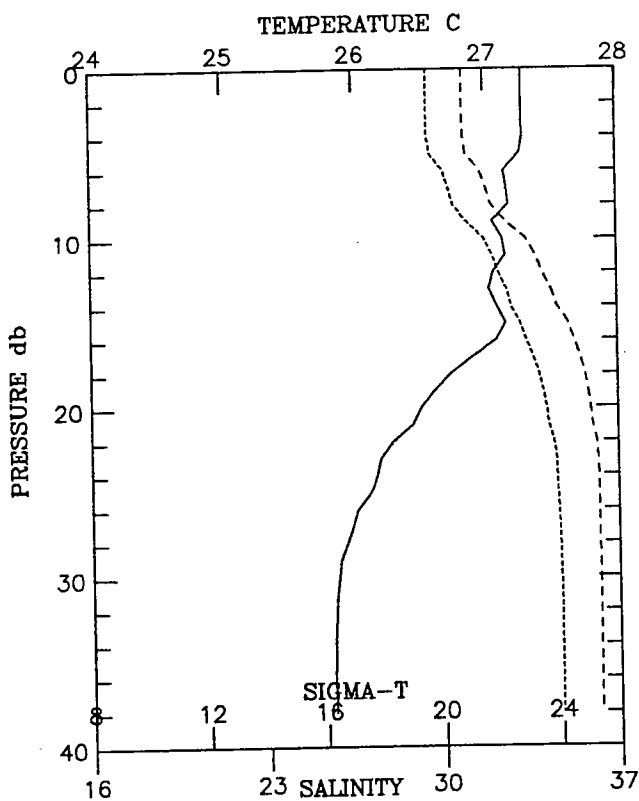
Cruise 19002 Leg 4 Station # 15.05 Depth m:40 Time: 1990-03-12 21:06  
 Position: 3° 19.80'N 50° 0.21'W Depth Deck Offset: -0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.498	30.615	19.264	0.0000	4.321	18.0	5.2
2.0		27.497	30.614	19.263	0.0169	4.322	18.0	5.2
4.0		27.486	30.616	19.269	0.0338	4.304	18.5	5.3
6.0		27.477	30.628	19.281	0.0507	4.221	17.4	5.2
8.0		27.065	32.160	20.562	0.0667	3.989	10.7	4.9
10.0		27.152	33.351	21.430	0.0800	4.063	9.3	4.5
12.0		27.176	33.745	21.719	0.0925	4.098	8.1	4.5
14.0		27.098	33.947	21.896	0.1045	4.066	7.3	4.5
16.0		26.881	34.456	22.348	0.1161	4.026	6.1	4.6
18.0		26.437	35.892	23.571	0.1258	3.799	3.8	5.0
20.0		26.224	36.157	23.838	0.1342	3.678	2.7	6.2
22.0		26.031	36.210	23.939	0.1422	3.676	2.6	7.4
24.0		25.940	36.213	23.969	0.1502	3.658	3.1	9.6
26.0		25.916	36.215	23.979	0.1581	3.633	3.6	12.1
28.0		25.894	36.217	23.987	0.1660	3.630	3.9	14.0
30.0		25.883	36.218	23.991	0.1739	3.625	4.1	15.3
32.0		25.861	36.219	23.998	0.1817	3.582	4.5	20.0
34.0		25.852	36.218	24.001	0.1896	3.620	10.5	96.8
36.0		25.853	36.214	23.997	0.1975	3.587	17.3	327.6
37.0		25.854	36.211	23.995	0.2014	3.614	20.4	489.1



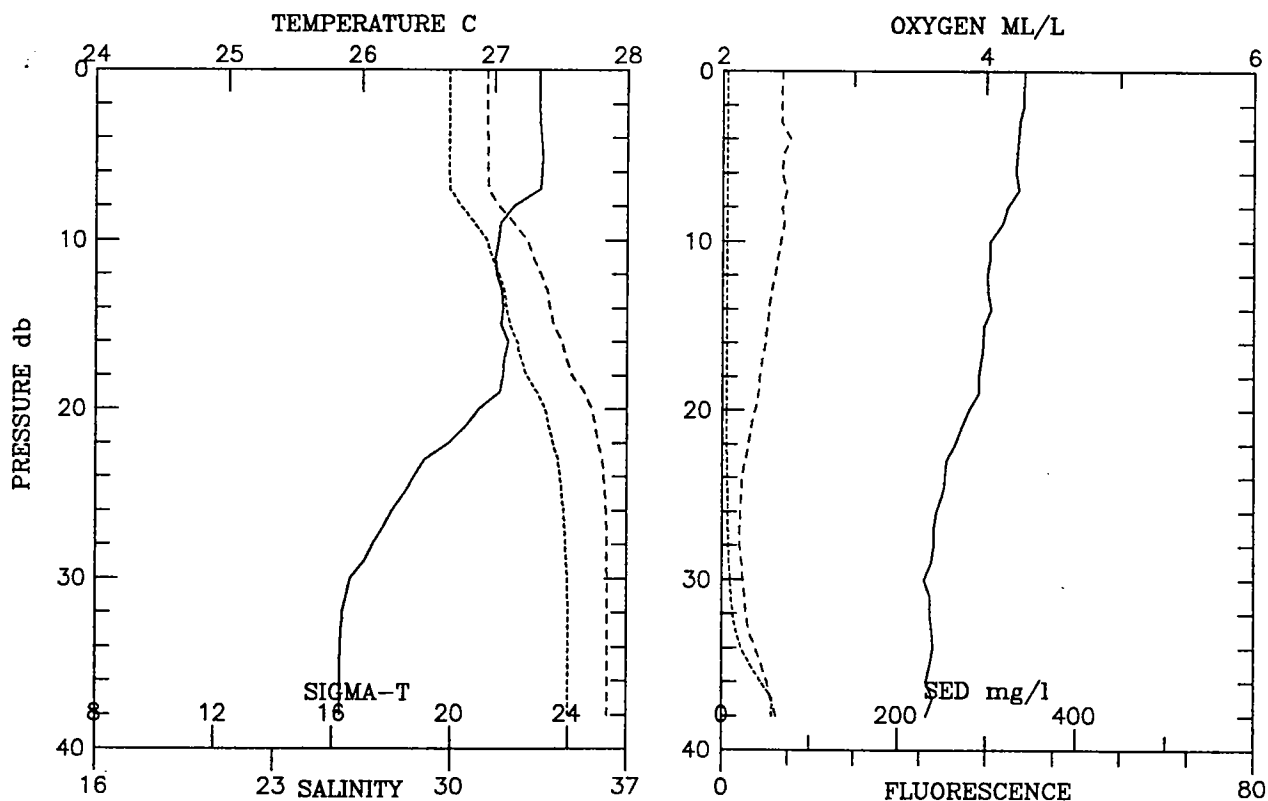
Cruise 19002 Leg 4 Station # 15.06 Depth m:40 Time: 1990-03-12 22:05  
 Position: 3° 19.80'N 50° 0.21'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.290	30.915	19.555	0.0000	4.198	10.1	5.2
2.0	E	27.290	30.914	19.555	0.0164	4.199	10.1	5.2
4.0		27.295	30.926	19.562	0.0327	4.136	9.4	5.2
6.0		27.150	31.573	20.094	0.0487	4.076	9.7	5.1
8.0		27.181	32.014	20.415	0.0637	4.157	9.7	4.7
10.0		27.133	33.393	21.468	0.0775	4.060	8.8	4.5
12.0		27.062	34.013	21.957	0.0897	4.104	7.8	4.5
14.0		27.086	34.589	22.383	0.1009	3.968	5.9	4.5
16.0		27.080	35.266	22.895	0.1113	3.952	6.1	4.4
18.0		26.728	35.676	23.316	0.1209	3.872	4.6	4.8
20.0		26.503	35.904	23.559	0.1298	3.789	3.6	5.2
22.0		26.284	36.118	23.790	0.1383	3.746	3.1	6.0
24.0		26.164	36.192	23.883	0.1465	3.701	2.9	6.9
26.0		26.012	36.200	23.937	0.1545	3.666	3.0	8.5
28.0		25.933	36.209	23.969	0.1625	3.625	3.3	9.6
30.0		25.870	36.217	23.994	0.1704	3.625	3.6	11.6
32.0		25.843	36.222	24.007	0.1782	3.647	4.0	18.4
34.0		25.836	36.222	24.009	0.1861	3.598	5.8	33.1
36.0		25.832	36.220	24.008	0.1939	3.640	8.6	68.6
38.0		25.835	36.216	24.004	0.2018	3.597	13.8	185.3



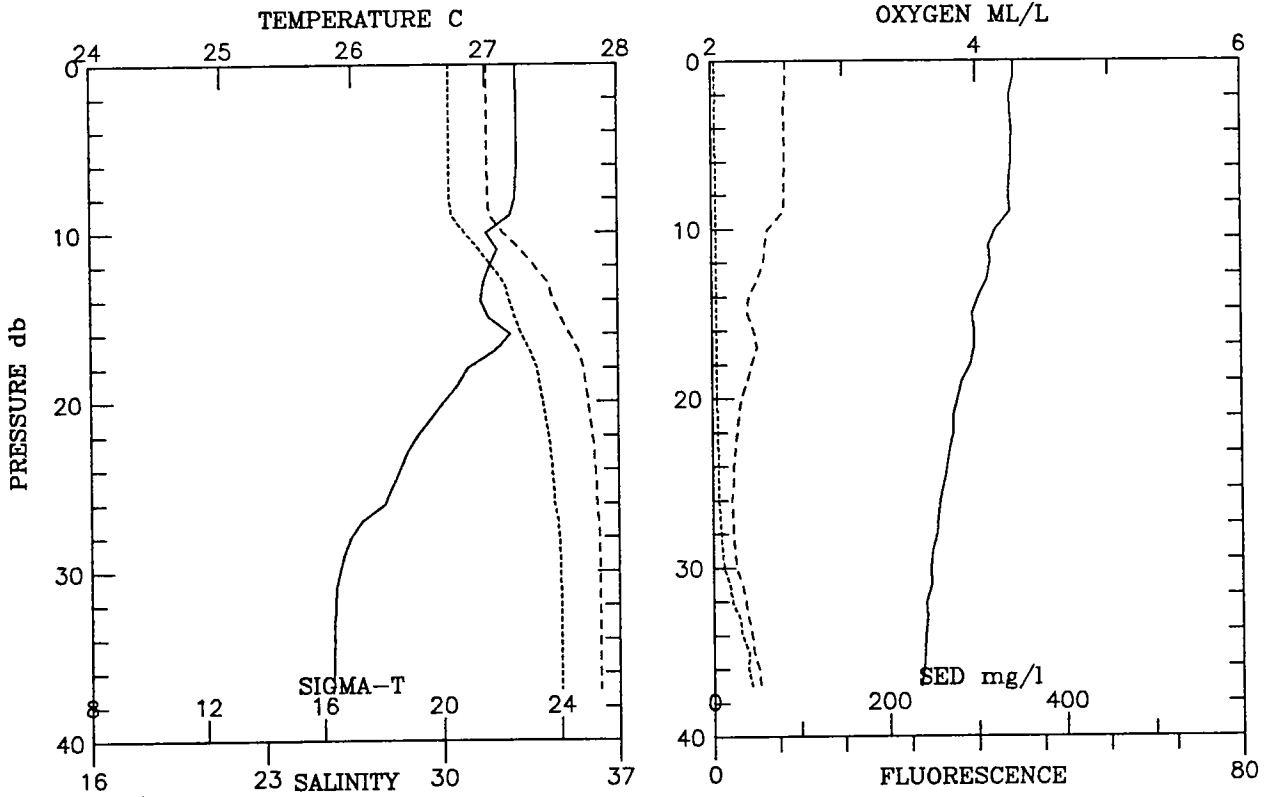
Cruise I9002 Leg 4 Station # 15.07 Depth m:40 Time: 1990-03-12 23:04  
 Position: 3° 19.80'N 50° 0.21'W Depth Deck Offset: 1.20 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.332	31.438	19.935	0.0000	4.281	9.1	4.6
2.0	27.332	31.437	19.934	0.0156	4.276	9.0	4.6
4.0	27.350	31.455	19.942	0.0312	4.237	10.3	4.6
6.0	27.352	31.470	19.953	0.0469	4.222	9.0	4.5
8.0	27.143	31.897	20.340	0.0622	4.163	9.1	4.7
10.0	27.029	33.028	21.226	0.0762	4.029	8.9	4.5
12.0	27.012	33.564	21.635	0.0890	4.011	8.0	4.5
14.0	27.064	33.924	21.889	0.1011	4.041	7.1	4.6
16.0	27.098	34.423	22.254	0.1127	3.980	6.6	4.5
18.0	27.062	34.816	22.562	0.1236	3.949	5.7	4.5
20.0	26.880	35.608	23.216	0.1335	3.876	5.0	4.6
22.0	26.654	35.858	23.477	0.1426	3.774	4.0	4.9
24.0	26.390	36.070	23.720	0.1512	3.695	3.0	5.6
26.0	26.226	36.164	23.843	0.1595	3.634	2.8	6.1
28.0	26.081	36.201	23.916	0.1676	3.613	2.7	7.1
30.0	25.914	36.217	23.980	0.1755	3.541	3.1	9.2
32.0	25.854	36.221	24.002	0.1834	3.586	3.7	12.1
34.0	25.838	36.221	24.007	0.1913	3.609	5.1	21.8
36.0	25.833	36.220	24.008	0.1991	3.556	6.9	44.8
38.0	25.834	36.220	24.008	0.2070	3.553	8.3	57.1



Cruise I9002 Leg 4 Station # 15.08 Depth m:39 Time: 1990-03-13 00:04  
 Position: 3° 19.80'N 50° 0.21'W Depth Deck Offset: -0.17 Fish 2

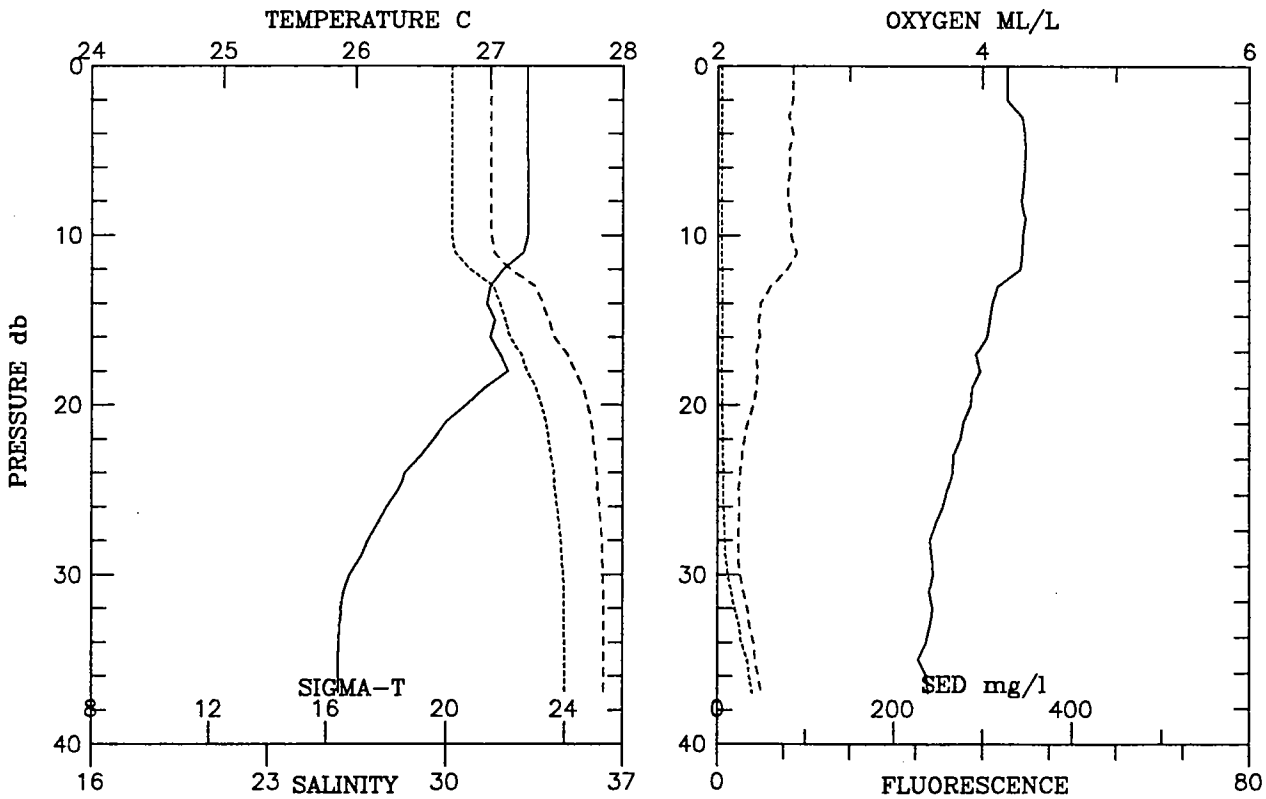
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.234	31.832	20.262	0.0000	4.285	11.4	4.4
2.0		27.235	31.830	20.260	0.0150	4.259	11.3	4.5
4.0		27.234	31.829	20.260	0.0300	4.270	11.2	4.4
6.0		27.234	31.829	20.260	0.0450	4.267	11.2	4.5
8.0		27.222	31.837	20.270	0.0600	4.249	11.1	4.5
10.0		27.004	32.444	20.795	0.0746	4.148	8.6	4.6
12.0		27.027	33.673	21.712	0.0877	4.105	7.9	4.5
14.0		26.961	34.419	22.295	0.0993	4.014	5.6	4.6
16.0		27.182	35.059	22.706	0.1100	3.983	6.4	4.5
18.0		26.859	35.611	23.225	0.1198	3.951	6.0	4.7
20.0		26.677	35.786	23.415	0.1290	3.856	4.4	5.0
22.0		26.479	35.956	23.606	0.1377	3.819	3.7	5.5
24.0		26.348	36.057	23.724	0.1462	3.775	3.2	5.9
26.0		26.237	36.112	23.800	0.1545	3.722	2.9	6.5
28.0		25.980	36.201	23.948	0.1626	3.698	3.1	8.9
30.0		25.897	36.216	23.985	0.1705	3.650	3.5	12.2
32.0		25.862	36.219	23.998	0.1784	3.614	4.9	21.3
34.0		25.854	36.220	24.002	0.1863	3.603	5.8	32.1
36.0		25.851	36.219	24.002	0.1941	3.587	6.8	39.0
37.0		25.849	36.220	24.003	0.1981	3.571	7.1	43.6





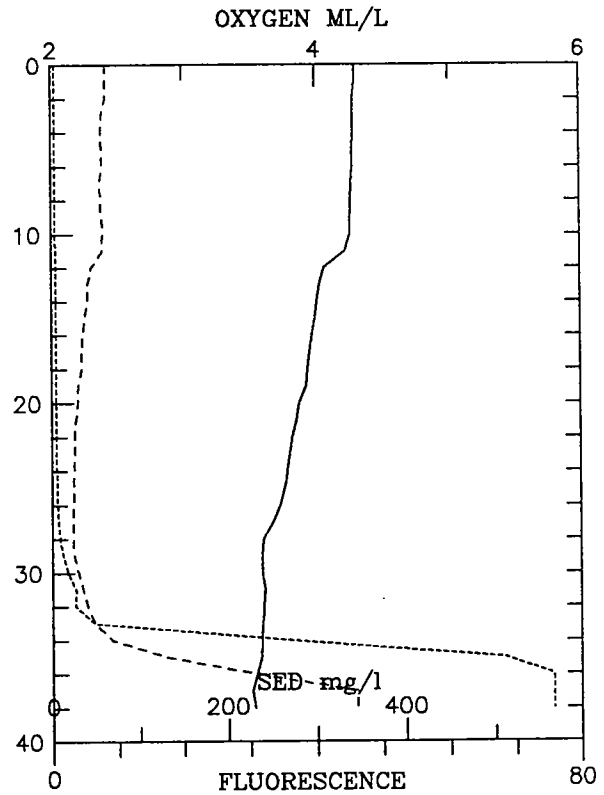
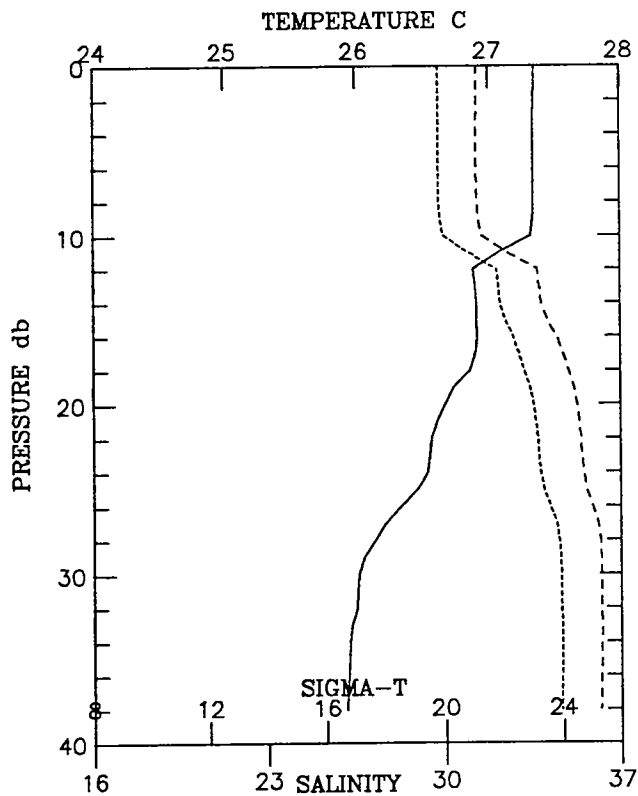
Cruise 19002 Leg 4 Station # 15.09 Depth m:39 Time: 1990-03-13 01:04  
 Position: 3° 19.80'N 50° 0.21'W Depth Deck Offset: -0.25 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.274	31.777	20.208	0.0000	4.187	11.4	4.4
2.0		27.274	31.776	20.207	0.0151	4.188	11.4	4.4
4.0		27.273	31.775	20.207	0.0302	4.316	11.4	4.4
6.0		27.281	31.776	20.205	0.0453	4.317	11.0	4.4
8.0		27.279	31.779	20.208	0.0604	4.293	10.7	4.4
10.0		27.281	31.774	20.204	0.0755	4.299	11.1	4.4
12.0		27.094	32.520	20.824	0.0902	4.280	10.5	4.5
14.0		26.974	33.796	21.822	0.1029	4.074	6.5	4.6
16.0		27.001	34.253	22.157	0.1146	4.035	6.3	4.5
18.0		27.129	35.064	22.727	0.1254	3.984	6.0	4.4
20.0		26.821	35.590	23.222	0.1351	3.913	5.4	4.7
22.0		26.576	35.800	23.458	0.1442	3.836	4.0	5.3
24.0		26.364	35.944	23.633	0.1529	3.776	3.4	6.0
26.0		26.225	36.041	23.750	0.1614	3.704	3.3	6.6
28.0		26.087	36.154	23.879	0.1696	3.608	3.1	7.9
30.0		25.952	36.204	23.959	0.1776	3.633	3.4	11.6
32.0		25.886	36.215	23.988	0.1855	3.626	4.5	19.3
34.0		25.873	36.218	23.994	0.1934	3.578	5.5	26.8
36.0		25.870	36.218	23.995	0.2013	3.586	6.2	36.1
37.0		25.870	36.217	23.994	0.2052	3.595	6.6	39.8



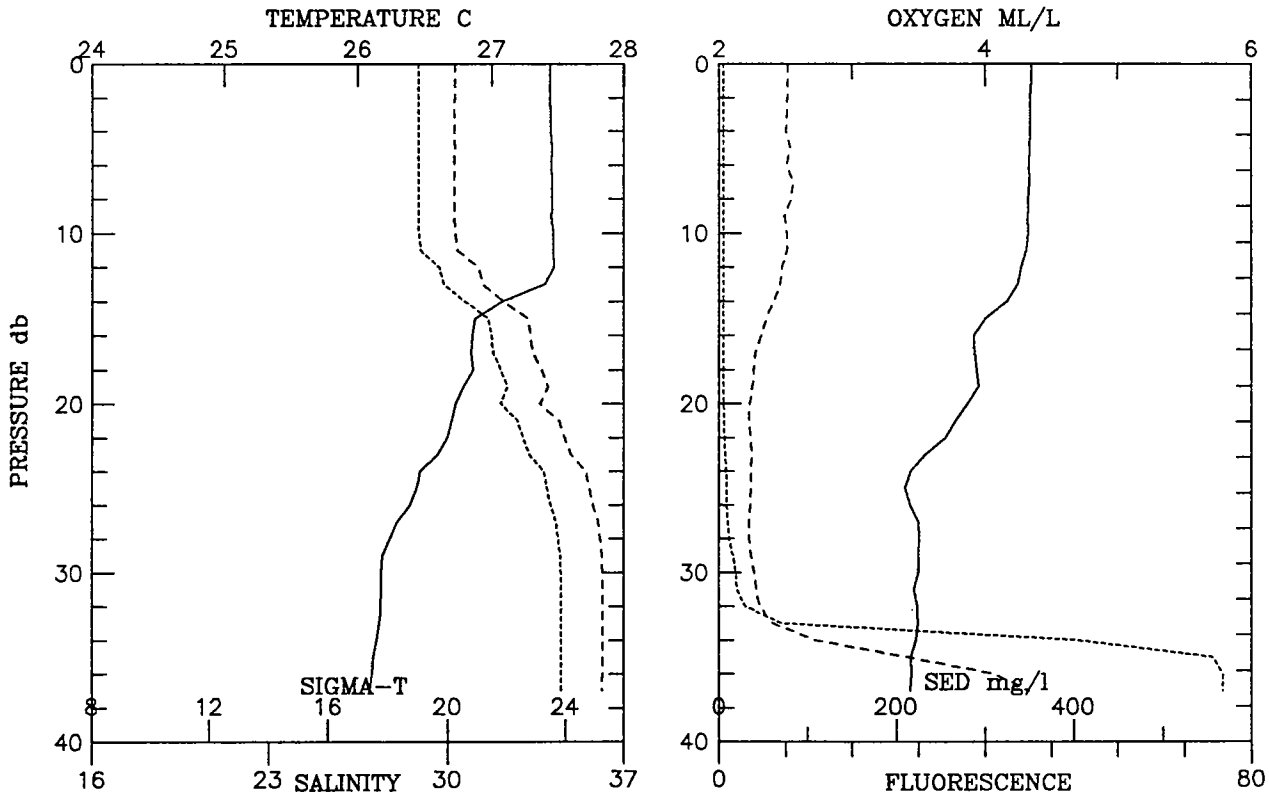
Cruise 19002 Leg 4 Station # 15.10 Depth m:39 Time: 1990-03-13 02:04  
 Position: 3° 19.80'N 50° 0.21'W Depth Deck Offset: -0.20 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.346	31.281	19.812	0.0000	4.301	8.3	4.3
2.0		27.345	31.280	19.812	0.0159	4.288	8.3	4.3
4.0		27.339	31.261	19.799	0.0317	4.285	7.6	4.3
6.0		27.340	31.267	19.804	0.0476	4.284	7.7	4.3
8.0		27.340	31.291	19.822	0.0635	4.269	7.5	4.3
10.0		27.320	31.469	19.962	0.0792	4.263	7.8	4.4
12.0		26.881	33.682	21.765	0.0931	4.066	6.0	4.6
14.0		26.905	33.840	21.877	0.1051	4.011	5.5	4.6
16.0		26.914	34.443	22.328	0.1167	3.971	4.7	4.6
18.0		26.856	34.915	22.702	0.1274	3.941	4.5	4.6
20.0		26.668	35.254	23.017	0.1374	3.876	3.9	4.8
22.0		26.566	35.406	23.164	0.1470	3.824	3.4	5.0
24.0		26.538	35.511	23.252	0.1563	3.785	3.3	5.1
26.0		26.332	35.851	23.573	0.1654	3.730	3.2	5.8
28.0		26.141	36.158	23.865	0.1737	3.606	3.1	8.2
30.0		26.021	36.200	23.934	0.1817	3.592	3.9	17.4
32.0		26.006	36.202	23.941	0.1897	3.601	5.3	26.1
34.0		25.948	36.208	23.963	0.1977	3.588	9.1	270.9
36.0		25.939	36.183	23.947	0.2056	3.550	30.9	567.0
38.0		25.928	36.154	23.929	0.2136	3.534	46.0	567.0



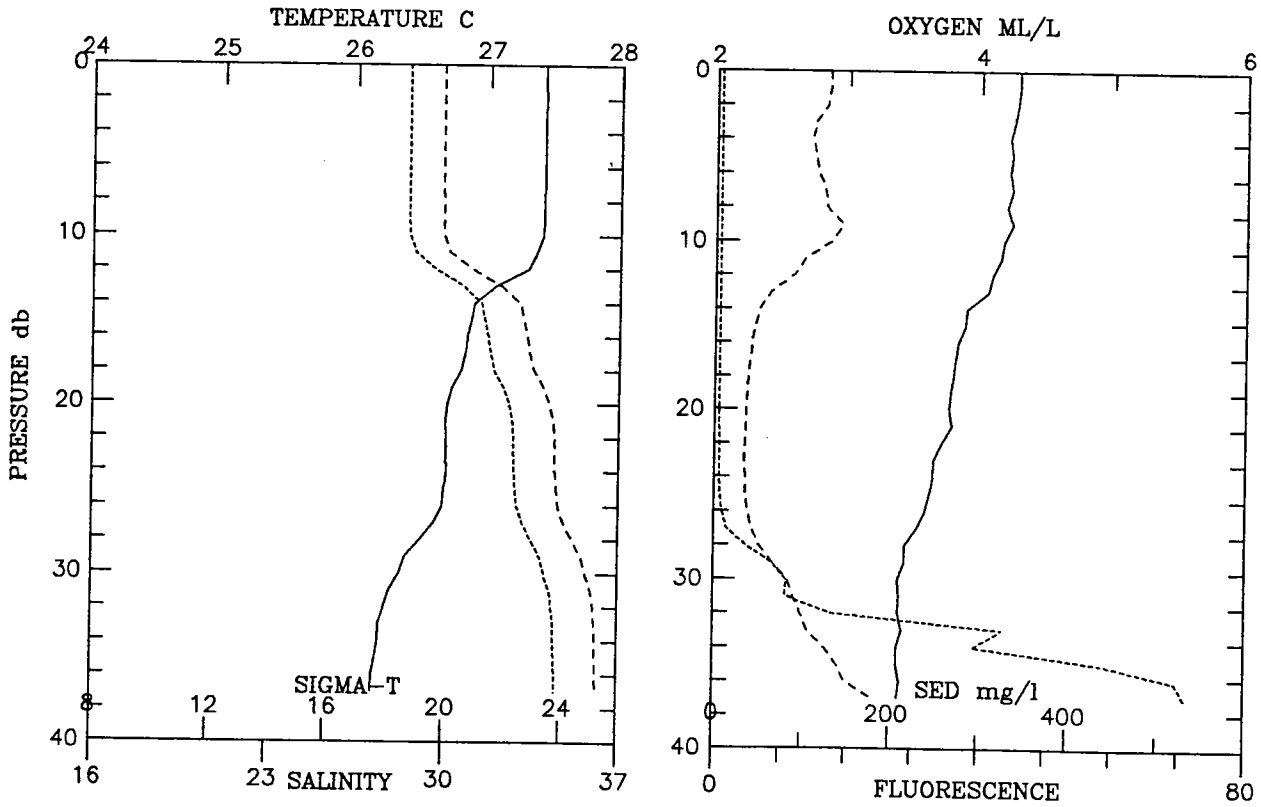
Cruise 19002 Leg 4 Station # 15.11 Depth m:39 Time: 1990-03-13 03:08  
 Position: 3° 19.80'N 50° 0.21'W Depth Deck Offset: -0.28 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.442	30.284	19.033	0.0000	4.351	10.3	5.0
2.0		27.442	30.277	19.028	0.0174	4.341	10.3	5.0
4.0		27.443	30.271	19.023	0.0347	4.339	10.1	5.0
6.0		27.450	30.270	19.020	0.0521	4.333	10.2	5.0
8.0		27.454	30.277	19.024	0.0695	4.327	10.8	5.0
10.0		27.461	30.295	19.035	0.0869	4.324	10.2	5.0
12.0		27.468	31.214	19.723	0.1038	4.274	9.5	4.5
14.0		27.075	32.201	20.590	0.1193	4.165	8.2	4.7
16.0		26.854	33.269	21.463	0.1325	3.918	6.3	4.7
18.0		26.859	33.713	21.796	0.1450	3.936	5.2	4.7
20.0		26.725	33.658	21.797	0.1568	3.870	4.6	5.0
22.0		26.662	34.632	22.550	0.1680	3.703	4.7	5.9
24.0		26.459	35.500	23.268	0.1781	3.443	4.8	8.3
26.0		26.386	35.770	23.495	0.1871	3.438	4.7	8.7
28.0		26.237	36.046	23.750	0.1957	3.507	4.5	11.2
30.0		26.174	36.135	23.837	0.2039	3.499	5.3	18.9
32.0		26.168	36.143	23.845	0.2121	3.494	6.1	29.5
34.0		26.141	36.142	23.853	0.2202	3.480	14.4	404.5
36.0		26.106	36.134	23.858	0.2284	3.447	41.4	567.0
37.0		26.090	36.131	23.861	0.2324	3.439	46.6	567.0



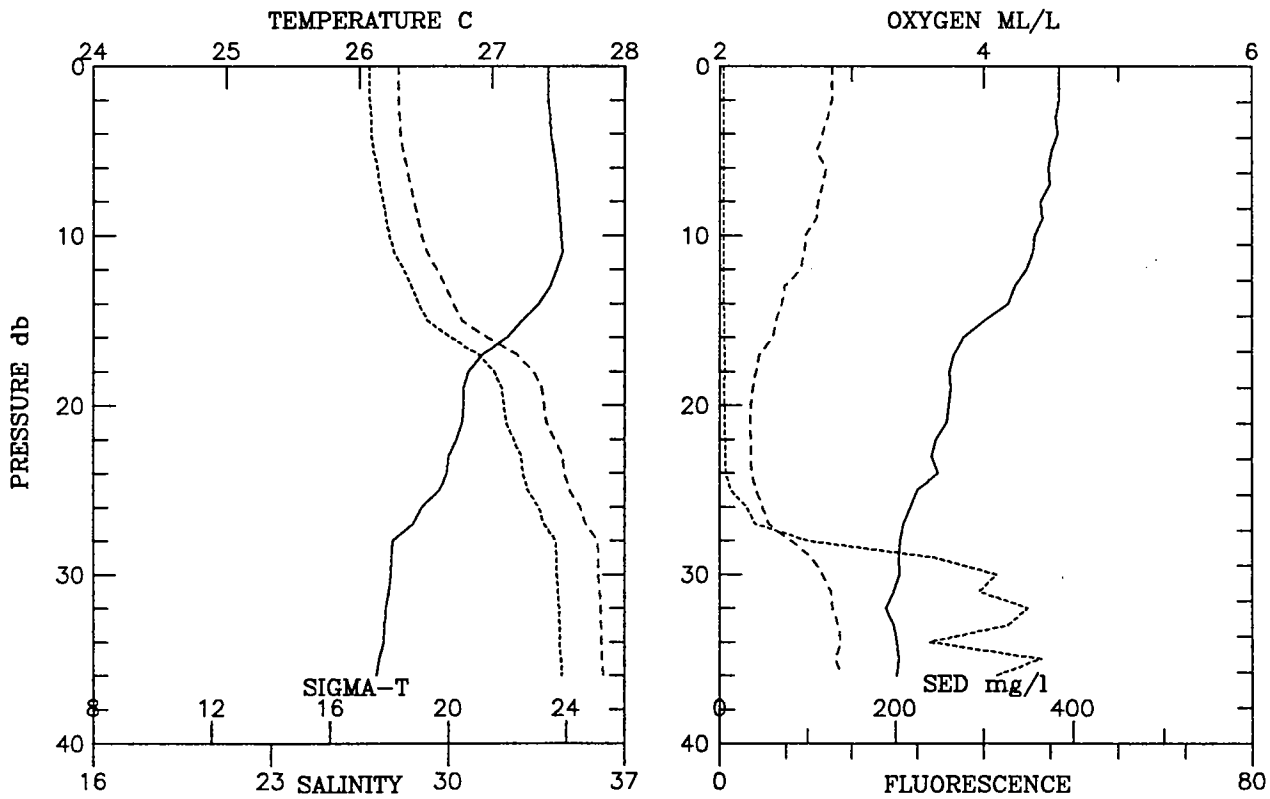
Cruise 19002 Leg 4 Station # 15.12 Depth m:38 Time: 1990-03-13 04:06  
 Position: 3° 19.90'N 50° 0.18'W Depth Deck Offset: -0.23 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.416	29.911	18.762	0.0000	4.288	17.1	4.9
2.0	27.419	29.911	18.761	0.0179	4.270	16.7	4.9
4.0	27.416	29.914	18.763	0.0358	4.219	14.5	4.9
6.0	27.415	29.912	18.763	0.0536	4.221	15.5	4.9
8.0	27.411	29.919	18.769	0.0715	4.199	16.8	4.8
10.0	27.406	29.945	18.790	0.0894	4.176	17.6	4.8
12.0	27.293	31.076	19.675	0.1066	4.093	11.9	5.0
14.0	26.890	33.001	21.250	0.1210	3.904	6.6	4.9
16.0	26.837	33.296	21.489	0.1339	3.841	5.5	4.9
18.0	26.795	33.562	21.702	0.1464	3.806	5.0	5.0
20.0	26.693	34.198	22.213	0.1581	3.779	4.7	5.0
22.0	26.683	34.401	22.369	0.1692	3.719	4.6	5.3
24.0	26.686	34.431	22.391	0.1801	3.658	4.7	5.5
26.0	26.658	34.555	22.493	0.1910	3.600	5.1	8.8
28.0	26.492	35.153	22.996	0.2013	3.450	6.8	36.1
30.0	26.338	35.686	23.447	0.2106	3.401	11.2	82.4
32.0	26.226	36.009	23.726	0.2192	3.405	13.3	135.0
34.0	26.185	36.086	23.797	0.2275	3.393	16.9	294.8
36.0	26.142	36.131	23.844	0.2357	3.419	20.1	521.1
37.0	26.134	36.136	23.851	0.2397	3.405	24.2	532.2



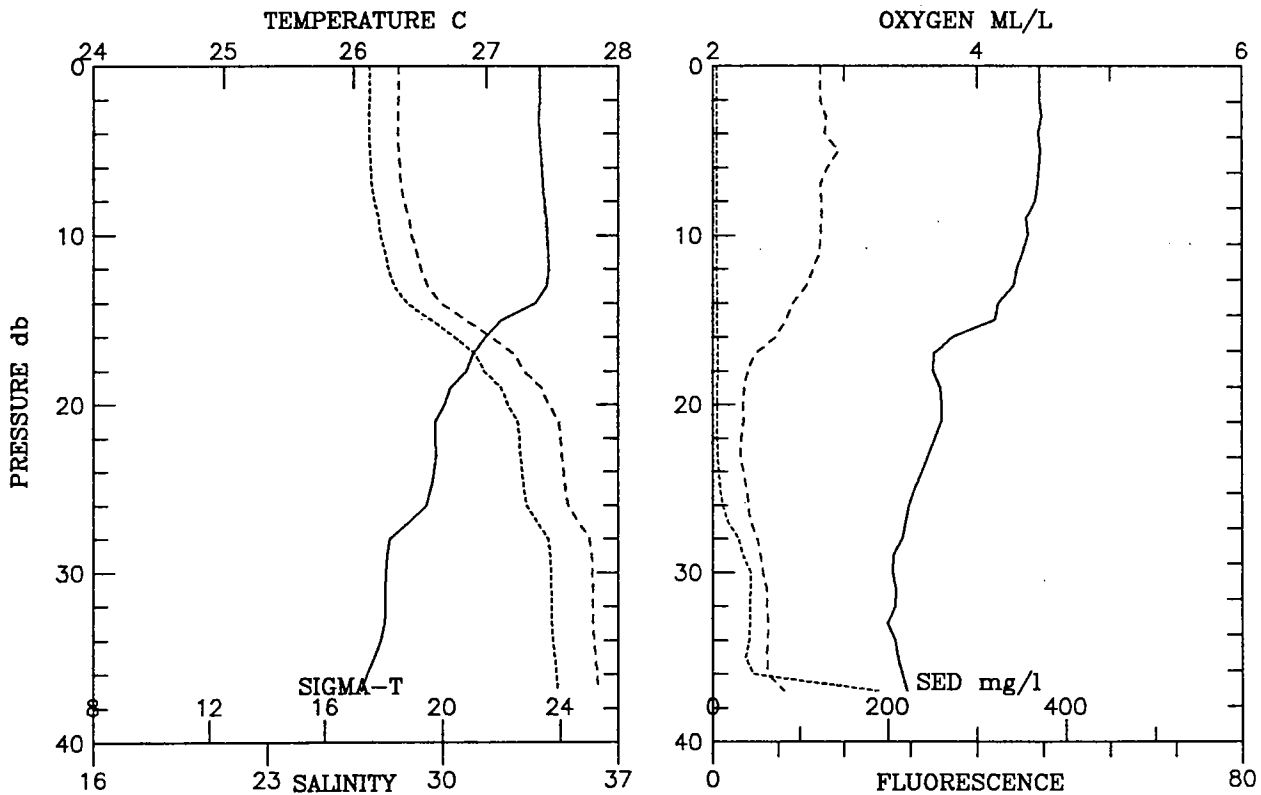
Cruise 19002 Leg 4 Station # 15.13 Depth m:38 Time: 1990-03-13 05:06  
 Position: 3° 19.90'N 50° 0.23'W Depth Deck Offset: -0.17 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 27.422	28.014	17.336	0.0000	4.565	17.0	4.4
2.0	27.422	28.014	17.336	0.0206	4.566	17.0	4.4
4.0	27.441	28.093	17.389	0.0412	4.552	15.6	4.4
6.0	27.480	28.386	17.596	0.0616	4.487	16.1	4.4
8.0	27.499	28.647	17.786	0.0815	4.426	14.9	4.4
10.0	27.519	28.941	18.000	0.1011	4.386	13.0	4.4
12.0	27.485	29.564	18.479	0.1201	4.321	12.2	4.3
14.0	27.347	30.192	18.994	0.1380	4.186	9.4	4.4
16.0	27.111	31.546	20.086	0.1546	3.851	8.0	5.0
18.0	26.821	33.371	21.550	0.1684	3.743	5.5	5.2
20.0	26.778	33.791	21.880	0.1805	3.741	4.7	5.1
22.0	26.727	34.204	22.207	0.1922	3.643	4.7	5.9
24.0	26.655	34.599	22.527	0.2031	3.656	4.8	6.7
26.0	26.462	35.222	23.058	0.2133	3.450	6.5	30.5
28.0	26.244	35.914	23.648	0.2225	3.370	10.8	100.4
30.0	26.234	35.955	23.683	0.2310	3.367	15.6	314.1
32.0	26.194	36.041	23.760	0.2394	3.266	17.1	349.0
34.0	26.178	36.066	23.784	0.2477	3.348	18.4	238.7
36.0	26.123	36.135	23.853	0.2559	3.349	18.5	314.1



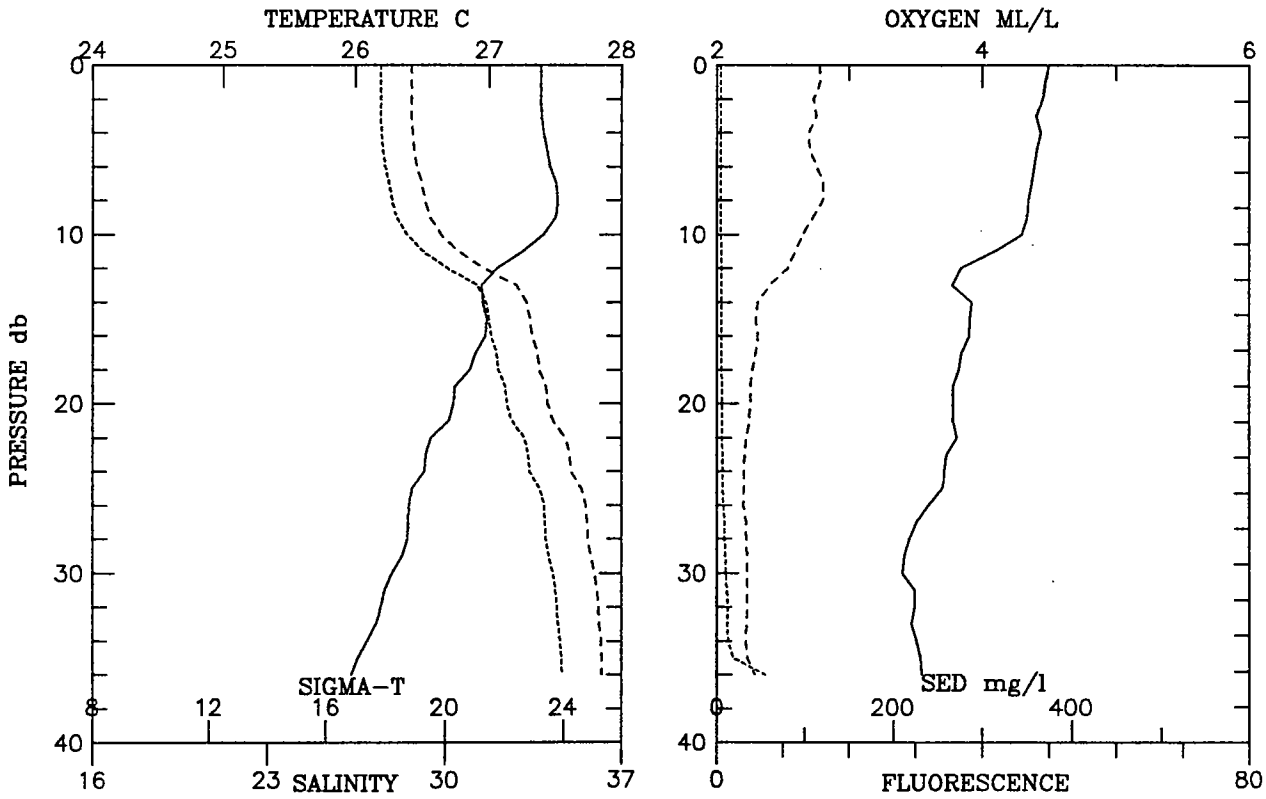
Cruise 19002 Leg 4 Station # 15.14 Depth m:38 Time: 1990-03-13 06:06  
 Position: 3° 19.86'N 50° 0.25'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.402	28.277	17.539	0.0000	4.471	16.4	4.4
2.0		27.401	28.276	17.539	0.0202	4.472	16.4	4.4
4.0		27.396	28.244	17.516	0.0405	4.462	17.1	4.4
6.0		27.414	28.325	17.572	0.0607	4.468	17.5	4.4
8.0		27.436	28.495	17.692	0.0808	4.439	16.6	4.4
10.0		27.455	28.797	17.913	0.1005	4.384	16.5	4.4
12.0		27.471	29.157	18.178	0.1198	4.304	15.4	4.4
14.0		27.366	29.957	18.812	0.1383	4.163	12.3	4.5
16.0		26.995	31.933	20.413	0.1545	3.819	9.6	5.2
18.0		26.847	33.200	21.413	0.1681	3.673	5.3	5.3
20.0		26.684	34.188	22.208	0.1800	3.737	4.6	5.0
22.0		26.615	34.677	22.599	0.1907	3.685	4.3	5.1
24.0		26.605	34.795	22.691	0.2012	3.589	4.7	6.8
26.0		26.545	34.982	22.851	0.2114	3.493	5.4	11.0
28.0		26.272	35.841	23.584	0.2208	3.442	6.8	29.4
30.0		26.240	35.953	23.679	0.2293	3.369	7.7	43.6
32.0		26.235	35.966	23.690	0.2378	3.388	8.3	42.4
34.0		26.202	36.030	23.749	0.2462	3.390	8.4	41.8
36.0		26.098	36.144	23.868	0.2545	3.444	8.5	46.5
37.0		26.059	36.171	23.900	0.2585	3.475	10.9	189.3



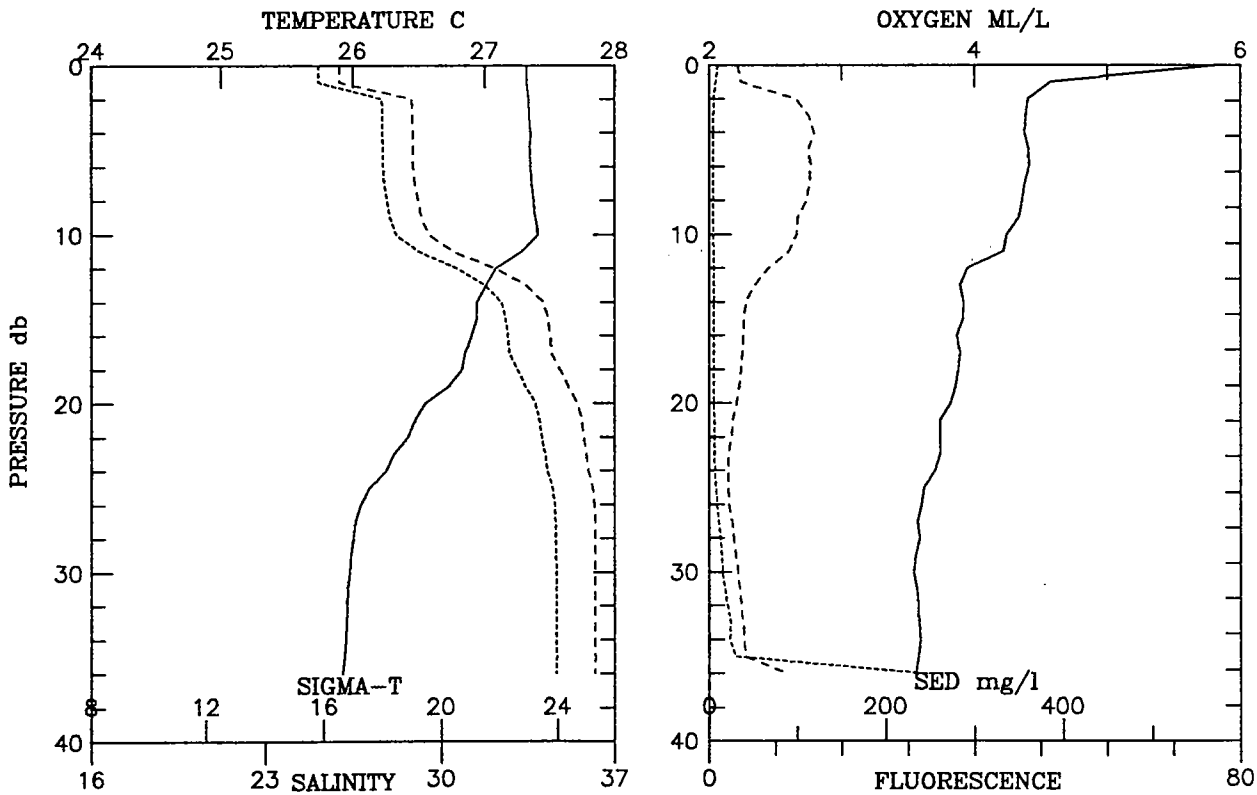
Cruise 19002 Leg 4 Station # 15.15 Depth m:39 Time: 1990-03-13 07:05  
 Position: 3° 19.86'N 50° 0.25'W Depth Deck Offset: -1.20 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORE (%)	SED CONC (mg/l)
0.0	27.385	28.683	17.849	0.0000	4.497	15.6	4.4
2.0	27.388	28.683	17.848	0.0196	4.454	14.7	4.3
4.0	27.408	28.727	17.875	0.0393	4.436	14.0	4.4
6.0	27.457	28.904	17.992	0.0588	4.390	15.2	4.4
8.0	27.511	29.232	18.221	0.0779	4.346	16.1	4.4
10.0	27.405	29.844	18.715	0.0964	4.295	13.1	4.4
12.0	27.054	31.537	20.097	0.1132	3.842	10.8	5.0
14.0	26.948	33.214	21.392	0.1270	3.924	6.2	4.9
16.0	26.972	33.449	21.561	0.1396	3.905	6.2	4.8
18.0	26.851	33.718	21.802	0.1519	3.826	5.4	5.0
20.0	26.732	34.044	22.085	0.1636	3.785	5.1	5.3
22.0	26.561	34.759	22.677	0.1746	3.813	4.5	5.3
24.0	26.514	34.968	22.850	0.1848	3.714	4.1	6.1
26.0	26.395	35.569	23.341	0.1943	3.597	4.0	7.4
28.0	26.385	35.644	23.400	0.2034	3.456	4.5	8.6
30.0	26.272	35.912	23.638	0.2122	3.403	4.6	9.9
32.0	26.189	36.066	23.780	0.2206	3.498	4.6	12.5
34.0	26.084	36.168	23.890	0.2287	3.513	4.4	12.5
36.0	25.973	36.205	23.953	0.2367	3.548	5.8	54.6



Cruise 19002 Leg 4 Station # 15.16 Depth m:40 Time: 1990-03-13 08:04  
 Position: 3° 19.86'N 50° 0.25'W Depth Deck Offset: -0.08 Fish 2

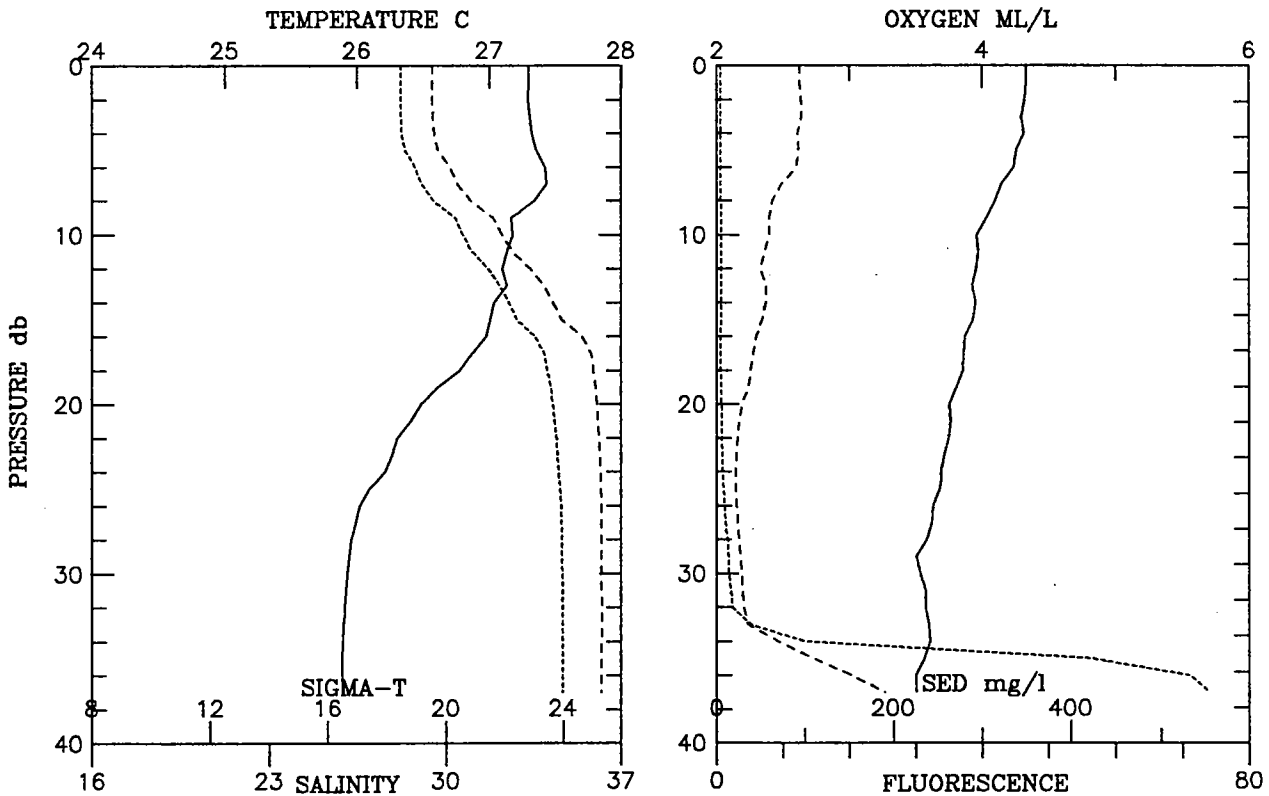
PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.317	25.959	15.828	0.0000	5.832	4.2	8.9
2.0	27.336	28.842	17.984	0.0317	4.401	13.2	4.7
4.0	27.345	28.880	18.009	0.0511	4.379	15.9	4.4
6.0	27.348	28.896	18.021	0.0704	4.413	15.4	4.4
8.0	27.373	29.109	18.173	0.0896	4.360	14.8	4.4
10.0	27.406	29.523	18.473	0.1084	4.245	13.2	4.4
12.0	27.079	32.187	20.578	0.1251	3.946	9.0	4.8
14.0	26.936	34.108	22.069	0.1379	3.918	5.5	4.7
16.0	26.896	34.379	22.285	0.1492	3.870	5.1	4.7
18.0	26.822	34.779	22.610	0.1601	3.879	4.8	4.7
20.0	26.546	35.489	23.233	0.1701	3.820	4.1	5.0
22.0	26.417	35.719	23.447	0.1792	3.743	3.3	5.3
24.0	26.254	35.925	23.654	0.1879	3.705	2.9	5.9
26.0	26.056	36.179	23.907	0.1961	3.606	3.0	8.7
28.0	26.003	36.200	23.940	0.2041	3.588	3.7	12.6
30.0	25.974	36.205	23.953	0.2121	3.543	4.3	14.9
32.0	25.953	36.207	23.961	0.2200	3.579	4.8	20.4
34.0	25.947	36.207	23.963	0.2279	3.593	5.3	23.0
36.0	25.923	36.201	23.966	0.2359	3.558	11.6	243.8





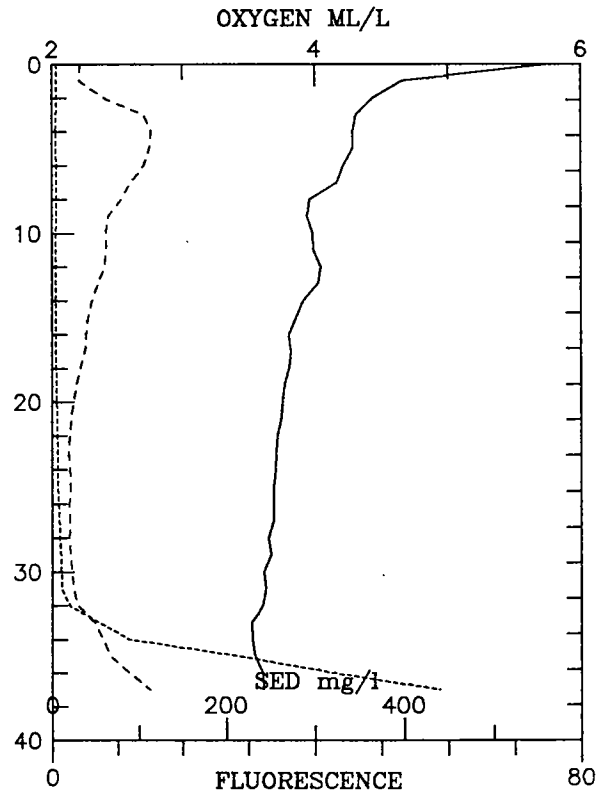
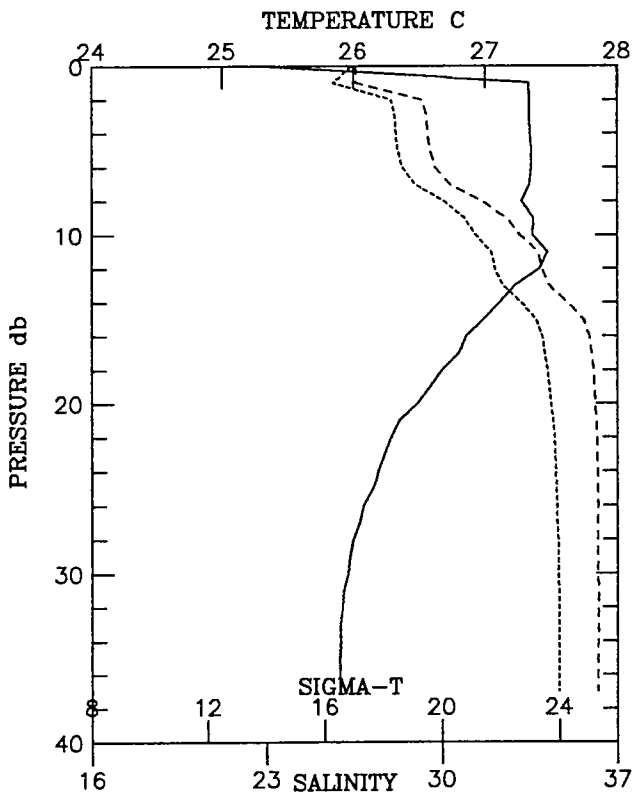
Cruise I9002 Leg 4 Station # 15.17 Depth m:40 Time: 1990-03-13 09:06  
 Position: 3° 19.81'N 50° 0.34'W Depth Deck Offset: -0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.294	29.480	18.477	0.0000	4.331	12.6	4.4
2.0		27.292	29.481	18.477	0.0184	4.323	12.8	4.4
4.0		27.319	29.538	18.512	0.0368	4.318	12.3	4.4
6.0		27.423	30.178	18.960	0.0549	4.238	12.1	4.3
8.0		27.338	30.997	19.602	0.0718	4.098	8.4	4.4
10.0		27.174	32.247	20.593	0.0869	3.960	7.9	4.8
12.0		27.094	33.364	21.458	0.1006	3.956	6.6	4.6
14.0		27.032	34.270	22.160	0.1126	3.951	7.4	4.5
16.0		26.976	35.426	23.048	0.1232	3.871	6.0	4.4
18.0		26.770	35.881	23.457	0.1324	3.856	5.1	4.4
20.0		26.482	36.021	23.654	0.1411	3.755	3.8	5.1
22.0		26.300	36.110	23.779	0.1495	3.748	3.1	5.6
24.0		26.207	36.154	23.841	0.1577	3.693	2.9	6.4
26.0		26.017	36.195	23.932	0.1658	3.634	3.0	8.9
28.0		25.953	36.206	23.960	0.1738	3.583	3.4	12.3
30.0		25.929	36.208	23.969	0.1817	3.537	3.8	13.6
32.0		25.908	36.211	23.978	0.1896	3.575	4.1	17.9
34.0		25.892	36.210	23.982	0.1975	3.608	9.3	100.0
36.0		25.888	36.203	23.978	0.2054	3.503	20.4	532.2
37.0		25.887	36.201	23.977	0.2094	3.508	25.4	555.2



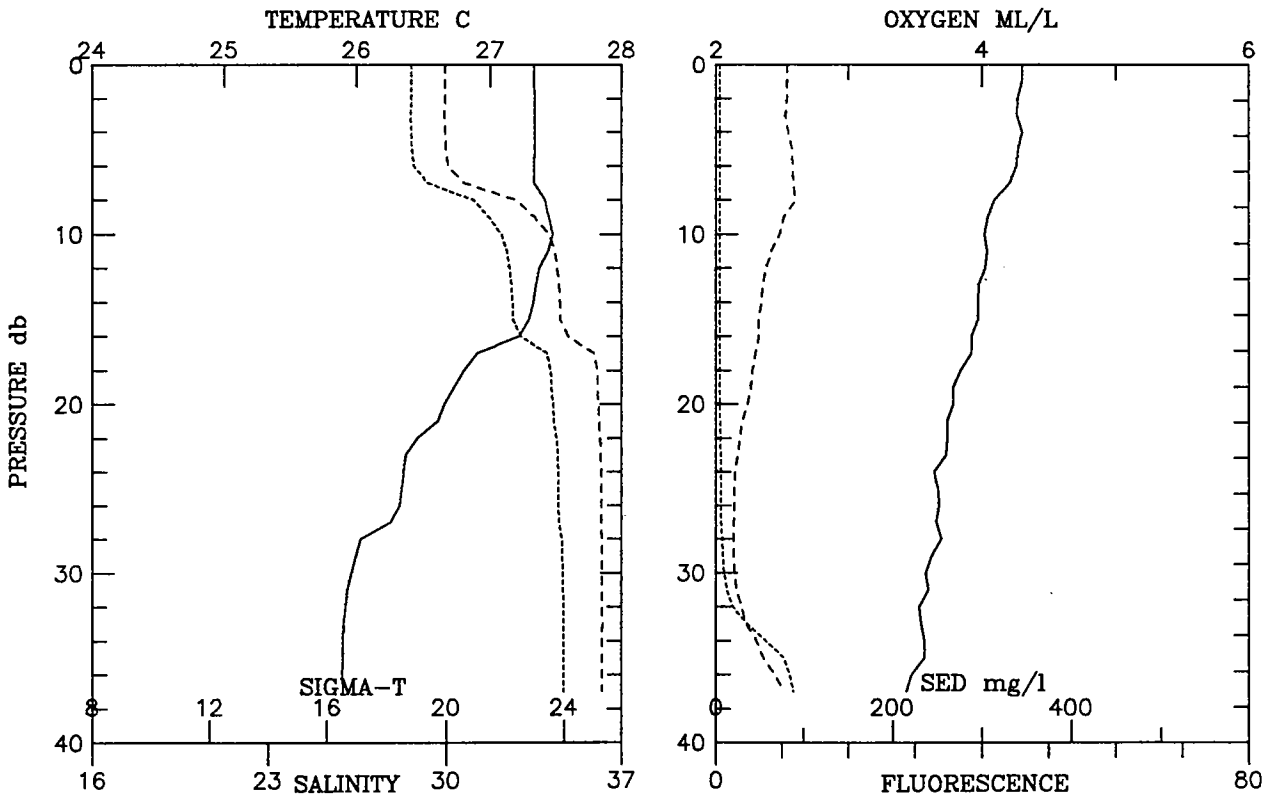
Cruise I9002 Leg 4 Station # 15.18 Depth m:40 Time: 1990-03-13 10:05  
 Position: 3° 19.80'N 50° 0.38'W Depth Deck Offset: -0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	25.326	26.604	16.916	0.0000	5.753	4.3	4.6
2.0	27.329	29.241	18.286	0.0308	4.439	8.0	4.7
4.0	27.336	29.467	18.453	0.0494	4.286	15.3	4.4
6.0	27.343	29.762	18.673	0.0677	4.213	14.1	4.5
8.0	27.268	31.622	20.093	0.0846	3.963	10.6	4.7
10.0	27.354	33.089	21.169	0.0988	3.987	8.3	4.4
12.0	27.403	33.975	21.819	0.1112	4.044	8.0	4.2
14.0	27.105	35.004	22.689	0.1226	3.914	6.1	4.3
16.0	26.855	35.867	23.419	0.1321	3.807	5.2	4.2
18.0	26.671	36.024	23.596	0.1409	3.807	4.3	4.4
20.0	26.483	36.093	23.708	0.1494	3.757	3.2	5.0
22.0	26.280	36.163	23.825	0.1577	3.721	2.7	5.7
24.0	26.185	36.189	23.874	0.1658	3.707	2.7	6.2
26.0	26.073	36.210	23.926	0.1739	3.693	2.6	7.1
28.0	25.994	36.208	23.949	0.1819	3.654	2.6	8.7
30.0	25.957	36.206	23.959	0.1898	3.618	3.0	10.0
32.0	25.911	36.210	23.976	0.1977	3.610	4.0	19.8
34.0	25.897	36.210	23.981	0.2056	3.529	7.8	88.3
36.0	25.892	36.207	23.980	0.2135	3.609	11.9	320.7
37.0	25.890	36.205	23.979	0.2175	3.615	15.0	440.2



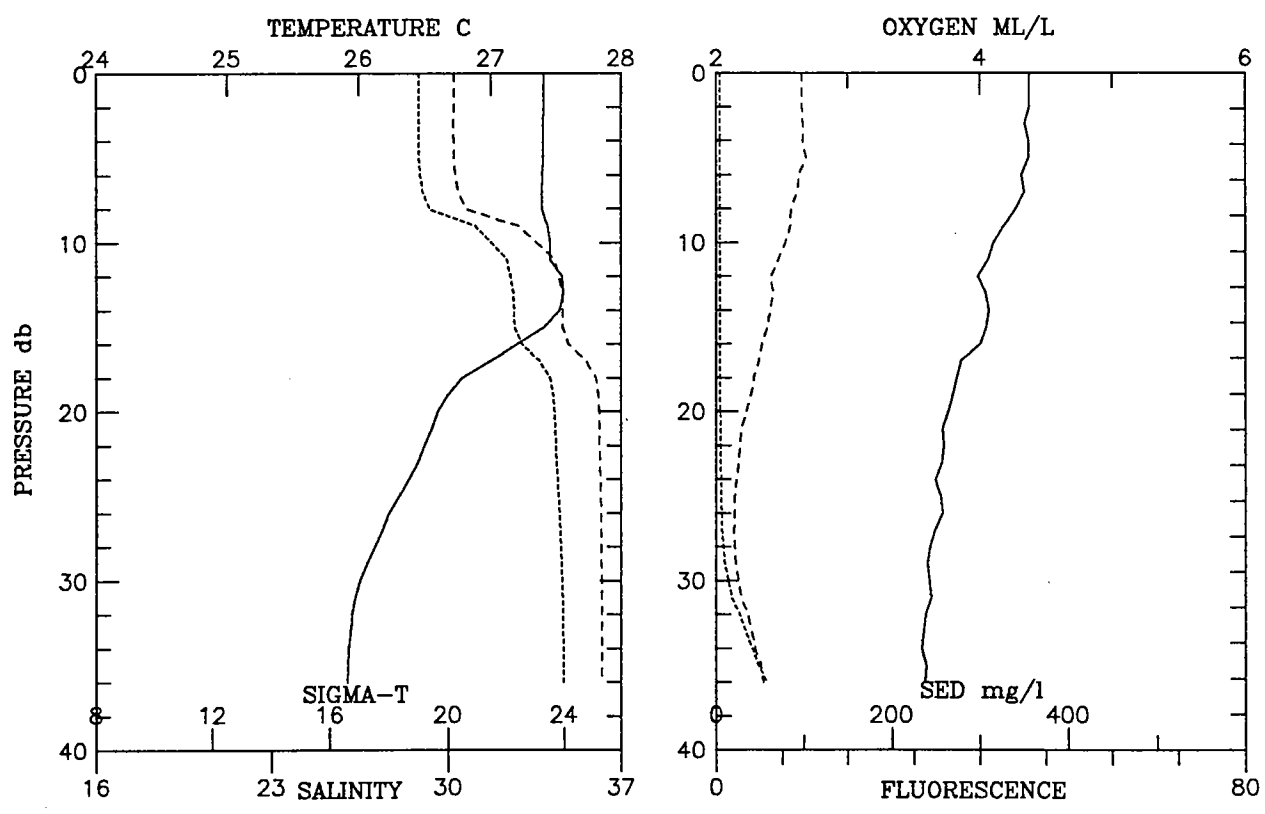
Cruise 19002 Leg 4 Station # 15.19 Depth m:39 Time: 1990-03-13 11:06  
 Position: 3° 19.82'N 50° 0.38'W Depth Deck Offset: -0.17 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)	
0.0	E	27.330	29.952	18.820	0.0000	4.302	10.8	4.3
2.0		27.332	29.958	18.824	0.0178	4.268	10.8	4.3
4.0		27.332	29.956	18.822	0.0355	4.300	11.0	4.3
6.0		27.329	30.072	18.910	0.0532	4.259	11.7	4.3
8.0		27.410	32.785	20.922	0.0694	4.095	12.1	4.4
10.0		27.468	34.070	21.870	0.0822	4.022	9.7	4.2
12.0		27.366	34.393	22.146	0.0938	4.028	7.6	4.2
14.0		27.324	34.508	22.246	0.1051	3.972	6.9	4.2
16.0		27.217	34.822	22.517	0.1162	3.921	6.5	4.2
18.0		26.799	36.016	23.550	0.1255	3.840	5.5	4.2
20.0		26.654	36.058	23.627	0.1342	3.786	4.8	4.3
22.0		26.449	36.126	23.744	0.1426	3.745	3.6	4.8
24.0		26.347	36.158	23.800	0.1509	3.650	2.9	5.3
26.0		26.321	36.162	23.811	0.1591	3.681	2.8	5.4
28.0		26.026	36.196	23.930	0.1673	3.700	2.7	6.9
30.0		25.962	36.205	23.956	0.1753	3.585	2.8	9.0
32.0		25.915	36.207	23.973	0.1832	3.537	3.9	19.3
34.0		25.899	36.209	23.979	0.1911	3.574	6.2	57.1
36.0		25.894	36.208	23.980	0.1990	3.478	8.9	84.5
37.0		25.895	36.209	23.980	0.2030	3.437	10.5	88.3



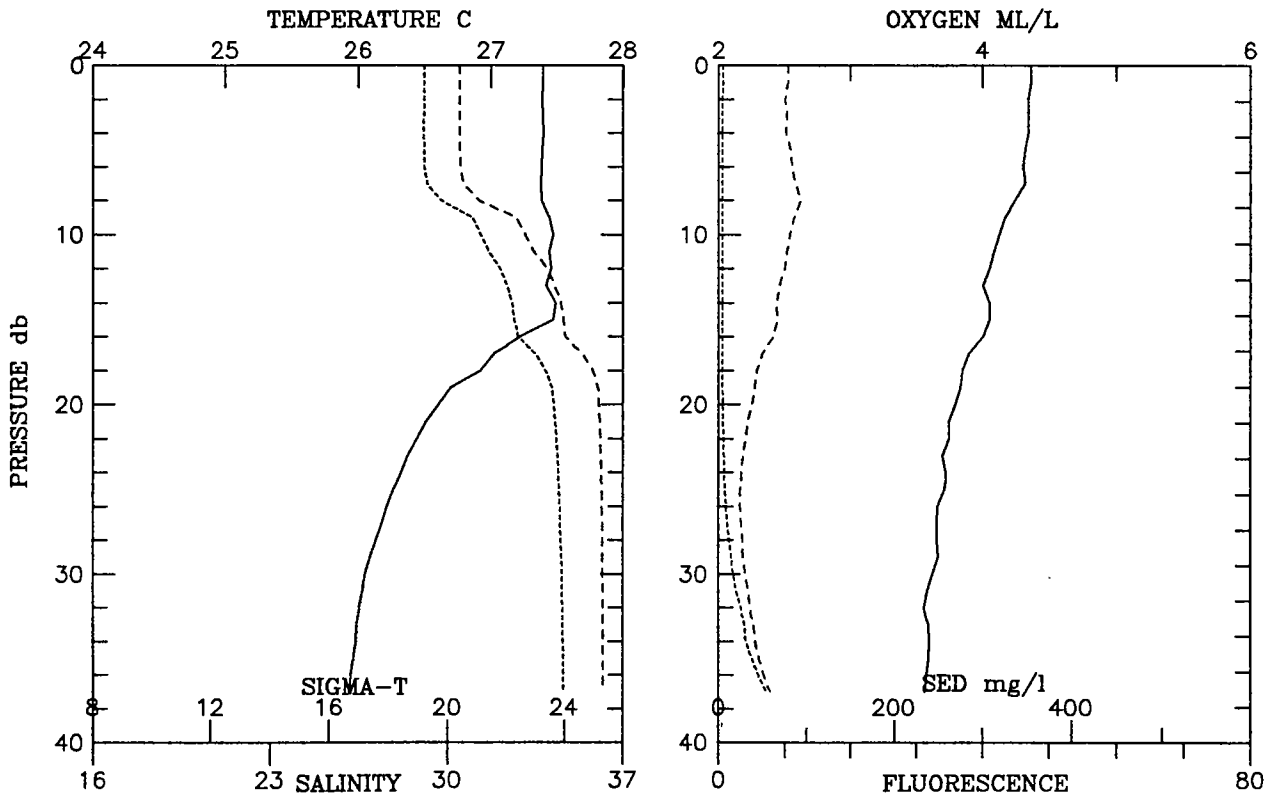
Cruise I9002 Leg 4 Station # 15.20 Depth m:39 Time: 1990-03-13 12:06  
 Position: 3° 19.86'N 50° 0.37'W Depth Deck Offset: -0.20 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.400	30.259	19.028	0.0000	4.374	13.1	4.3
2.0		27.399	30.258	19.027	0.0174	4.375	13.1	4.3
4.0		27.397	30.254	19.025	0.0347	4.368	13.2	4.3
6.0		27.392	30.318	19.075	0.0521	4.318	12.6	4.3
8.0		27.388	30.742	19.394	0.0691	4.274	11.4	4.3
10.0		27.449	33.588	21.514	0.0833	4.103	10.5	4.2
12.0		27.540	34.478	22.154	0.0951	3.985	8.3	4.2
14.0		27.523	34.628	22.272	0.1063	4.069	8.2	4.1
16.0		27.197	34.854	22.547	0.1173	4.005	6.9	4.2
18.0		26.774	35.967	23.521	0.1269	3.828	5.7	4.2
20.0		26.592	36.088	23.670	0.1355	3.763	4.6	4.5
22.0		26.490	36.107	23.716	0.1439	3.728	3.6	4.8
24.0		26.374	36.138	23.776	0.1523	3.669	3.1	5.2
26.0		26.223	36.166	23.845	0.1605	3.720	2.8	5.9
28.0		26.118	36.183	23.891	0.1686	3.625	2.8	7.8
30.0		26.007	36.197	23.936	0.1766	3.616	3.4	13.7
32.0		25.945	36.205	23.962	0.1846	3.589	4.8	26.8
34.0		25.922	36.208	23.971	0.1925	3.560	5.9	40.7
36.0		25.911	36.208	23.975	0.2005	3.585	7.1	57.5



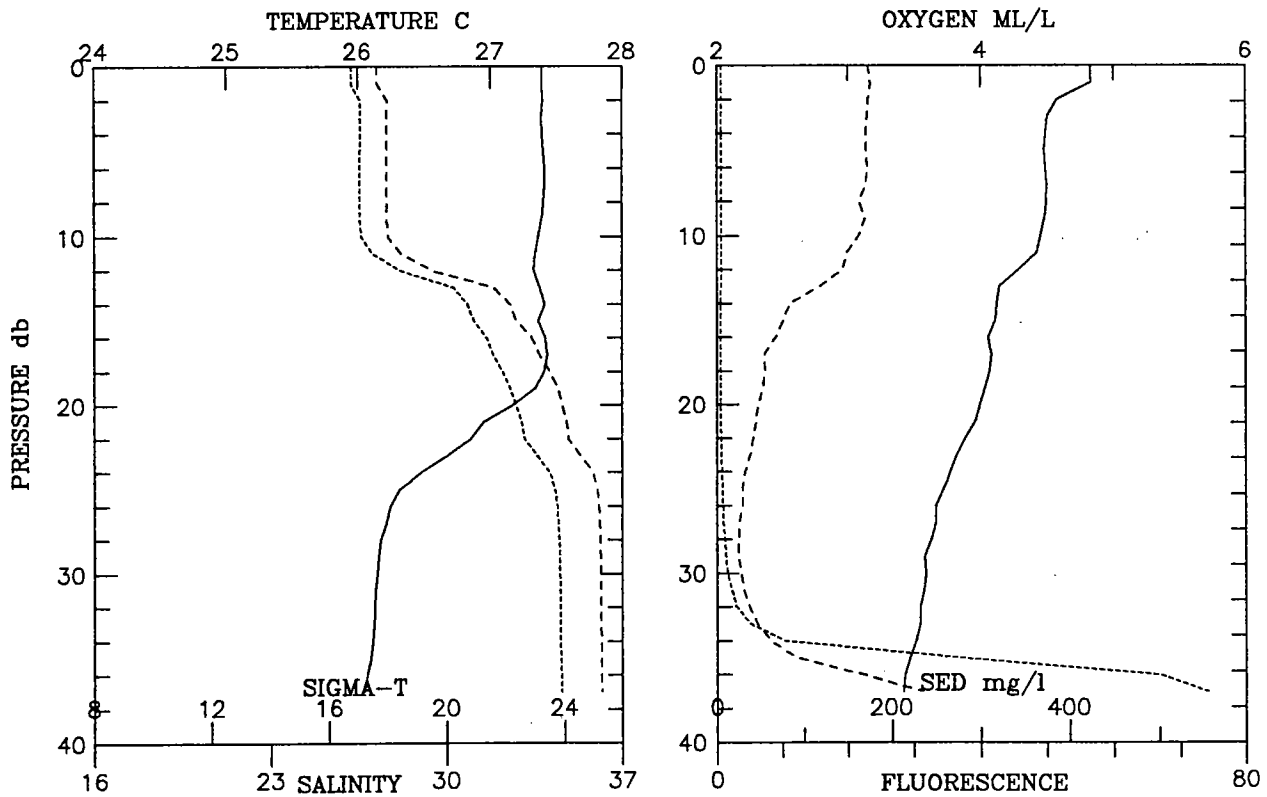
Cruise I9002 Leg 4 Station # 15.21 Depth m:39 Time: 1990-03-13 13:06  
 Position: 3° 19.88'N 50° 0.35'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.393	30.502	19.212	0.0000	4.363	10.5	5.0
2.0		27.388	30.503	19.215	0.0170	4.348	10.1	4.2
4.0		27.394	30.493	19.205	0.0340	4.344	10.2	4.2
6.0		27.382	30.515	19.226	0.0510	4.305	11.1	4.2
8.0		27.382	31.268	19.791	0.0677	4.244	12.5	4.3
10.0		27.468	33.101	21.141	0.0819	4.130	10.8	4.2
12.0		27.456	33.979	21.806	0.0946	4.052	10.0	4.2
14.0		27.489	34.529	22.209	0.1062	4.053	8.8	4.2
16.0		27.220	34.683	22.411	0.1173	4.004	8.3	4.2
18.0		26.917	35.798	23.348	0.1272	3.849	5.8	4.3
20.0		26.599	36.033	23.626	0.1360	3.799	5.1	4.7
22.0		26.435	36.090	23.721	0.1445	3.750	4.1	5.4
24.0		26.321	36.121	23.781	0.1528	3.724	3.5	6.4
26.0		26.212	36.151	23.837	0.1610	3.663	3.3	8.2
28.0		26.130	36.161	23.871	0.1691	3.656	3.6	11.9
30.0		26.050	36.185	23.914	0.1772	3.623	4.1	16.3
32.0		26.004	36.191	23.933	0.1852	3.558	4.8	25.5
34.0		25.978	36.199	23.947	0.1932	3.600	5.6	31.0
36.0		25.940	36.204	23.963	0.2012	3.581	6.8	45.0
37.0		25.930	36.205	23.966	0.2051	3.562	7.8	53.8



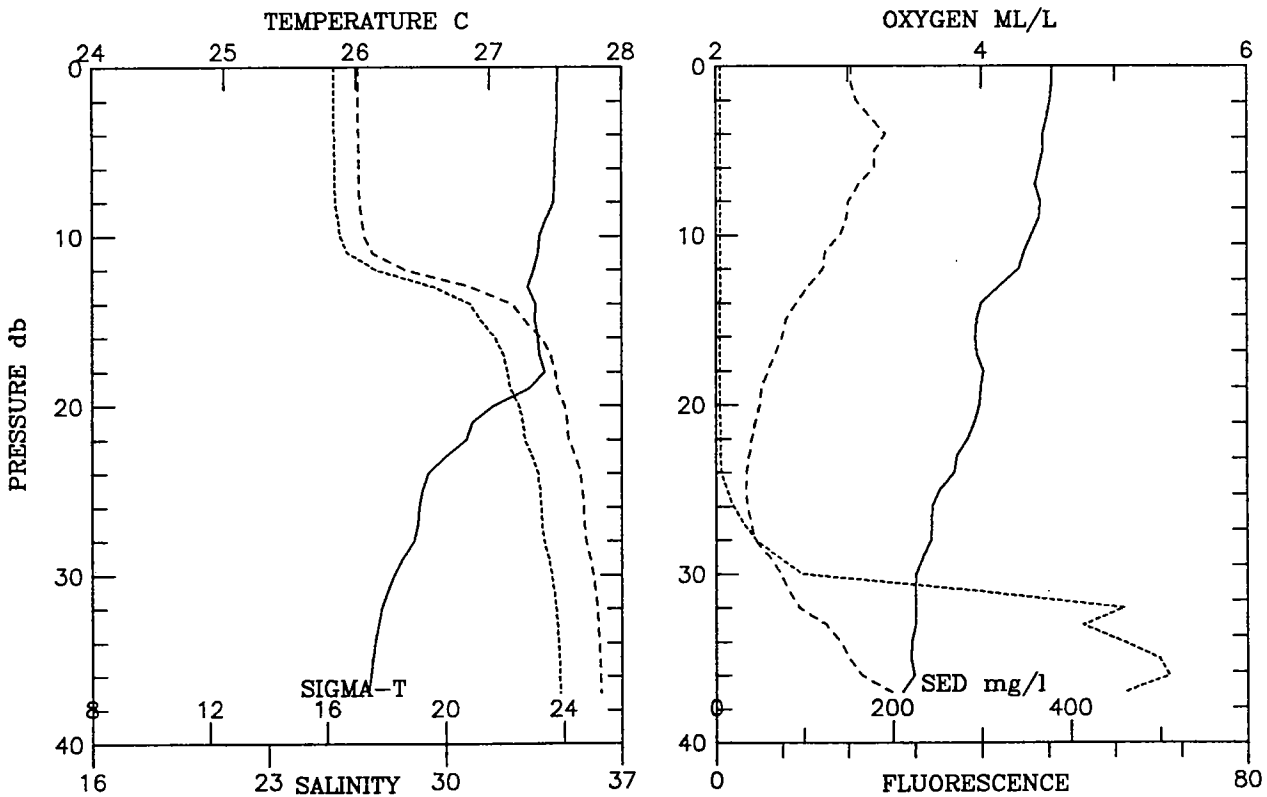
Cruise 19002 Leg 4 Station # 15.22 Depth m:39 Time: 1990-03-13 15:07  
 Position: 3° 19.89'N 50° 0.35'W Depth Deck Offset: 0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.386	27.245	16.771	0.0000	4.830	23.2	4.6
2.0	27.392	27.659	17.079	0.0294	4.579	23.2	4.6
4.0	27.386	27.655	17.078	0.0505	4.491	22.8	4.7
6.0	27.405	27.640	17.061	0.0716	4.491	23.1	4.7
8.0	27.396	27.635	17.060	0.0928	4.497	21.8	4.7
10.0	27.359	27.692	17.114	0.1140	4.454	21.7	4.7
12.0	27.324	29.455	18.448	0.1340	4.288	19.2	4.7
14.0	27.403	32.513	20.720	0.1497	4.120	11.2	4.3
16.0	27.411	33.381	21.370	0.1633	4.058	9.1	4.3
18.0	27.402	34.081	21.900	0.1757	4.071	7.4	4.2
20.0	27.163	34.585	22.355	0.1871	3.995	6.3	4.3
22.0	26.846	34.830	22.641	0.1978	3.886	5.6	4.5
24.0	26.472	35.809	23.497	0.2074	3.775	4.3	5.3
26.0	26.240	36.053	23.755	0.2160	3.666	3.9	6.7
28.0	26.170	36.105	23.816	0.2242	3.630	3.3	8.7
30.0	26.142	36.119	23.835	0.2324	3.593	3.7	11.9
32.0	26.127	36.128	23.847	0.2406	3.551	5.0	22.3
34.0	26.111	36.137	23.859	0.2487	3.514	8.3	78.5
36.0	26.068	36.155	23.885	0.2569	3.432	22.4	499.6
37.0	26.041	36.157	23.896	0.2609	3.426	31.4	555.2



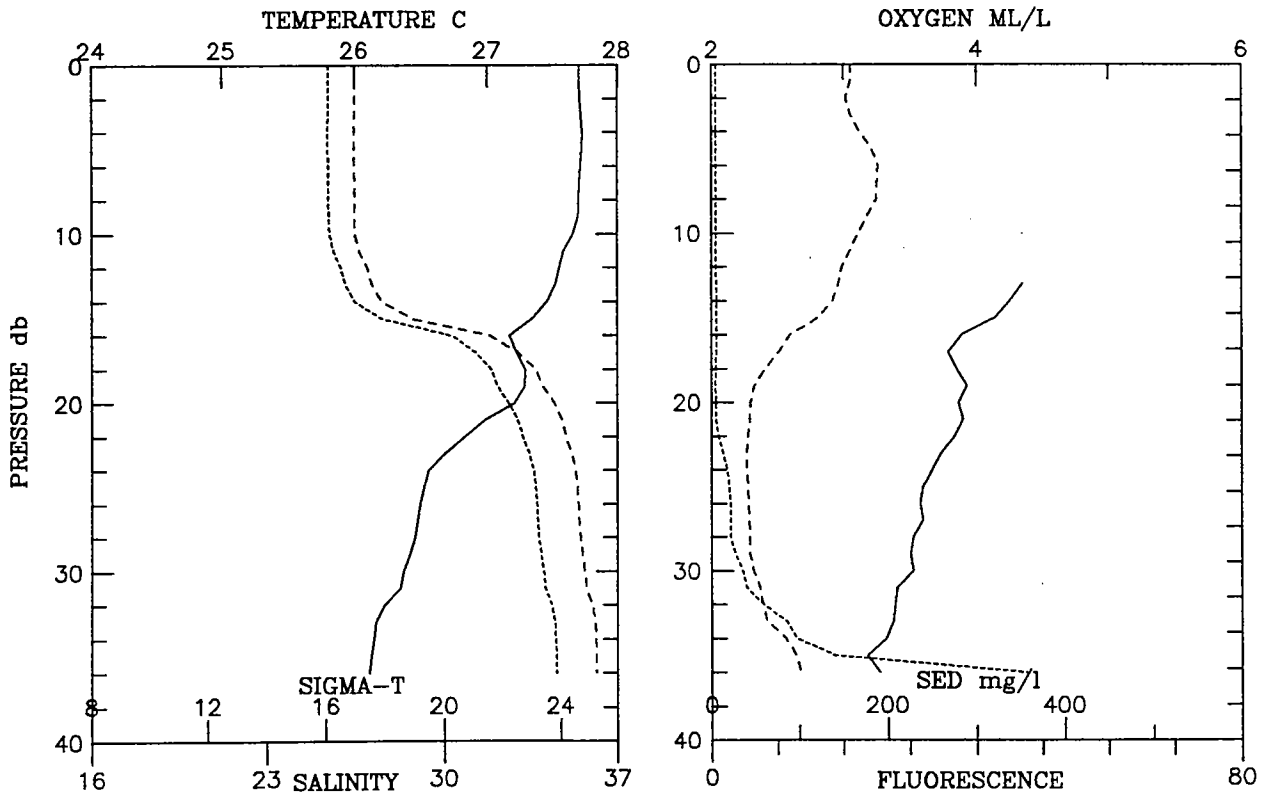
Cruise 19002 Leg 4 Station # 15.23 Depth m:39 Time: 1990-03-13 16:08  
 Position: 3° 19.91'N 50° 0.31'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.511	26.573	16.228	0.0000	4.529	20.5	4.8
2.0		27.509	26.573	16.229	0.0228	4.515	21.3	4.8
4.0		27.500	26.588	16.243	0.0455	4.459	25.7	4.8
6.0		27.486	26.599	16.255	0.0683	4.434	24.0	4.9
8.0		27.480	26.617	16.271	0.0910	4.440	20.1	4.8
10.0		27.370	26.814	16.453	0.1135	4.372	18.9	4.9
12.0		27.329	28.415	17.666	0.1350	4.280	16.3	4.9
14.0		27.341	32.629	20.827	0.1516	4.003	12.2	4.4
16.0		27.365	33.762	21.671	0.1648	3.959	10.1	4.3
18.0		27.410	34.331	22.085	0.1766	4.014	7.9	4.2
20.0		27.029	34.693	22.479	0.1878	3.985	6.6	4.4
22.0		26.824	34.856	22.667	0.1984	3.898	5.4	4.5
24.0		26.538	35.337	23.121	0.2083	3.797	4.6	5.9
26.0		26.468	35.457	23.233	0.2177	3.635	4.8	19.6
28.0		26.430	35.559	23.322	0.2270	3.623	5.9	45.6
30.0		26.279	35.849	23.588	0.2359	3.510	9.9	98.2
32.0		26.189	36.004	23.734	0.2444	3.509	12.7	459.1
34.0		26.138	36.089	23.814	0.2527	3.479	18.9	459.1
36.0		26.105	36.132	23.857	0.2609	3.497	22.1	510.2
37.0		26.091	36.144	23.870	0.2649	3.410	26.5	459.1



Cruise 19002 Leg 4 Station # 15.24 Depth m:38 Time: 1990-03-13 17:08  
 Position: 3° 19.90'N 50° 0.33'W Depth Deck Offset: -0.03 Fish 2

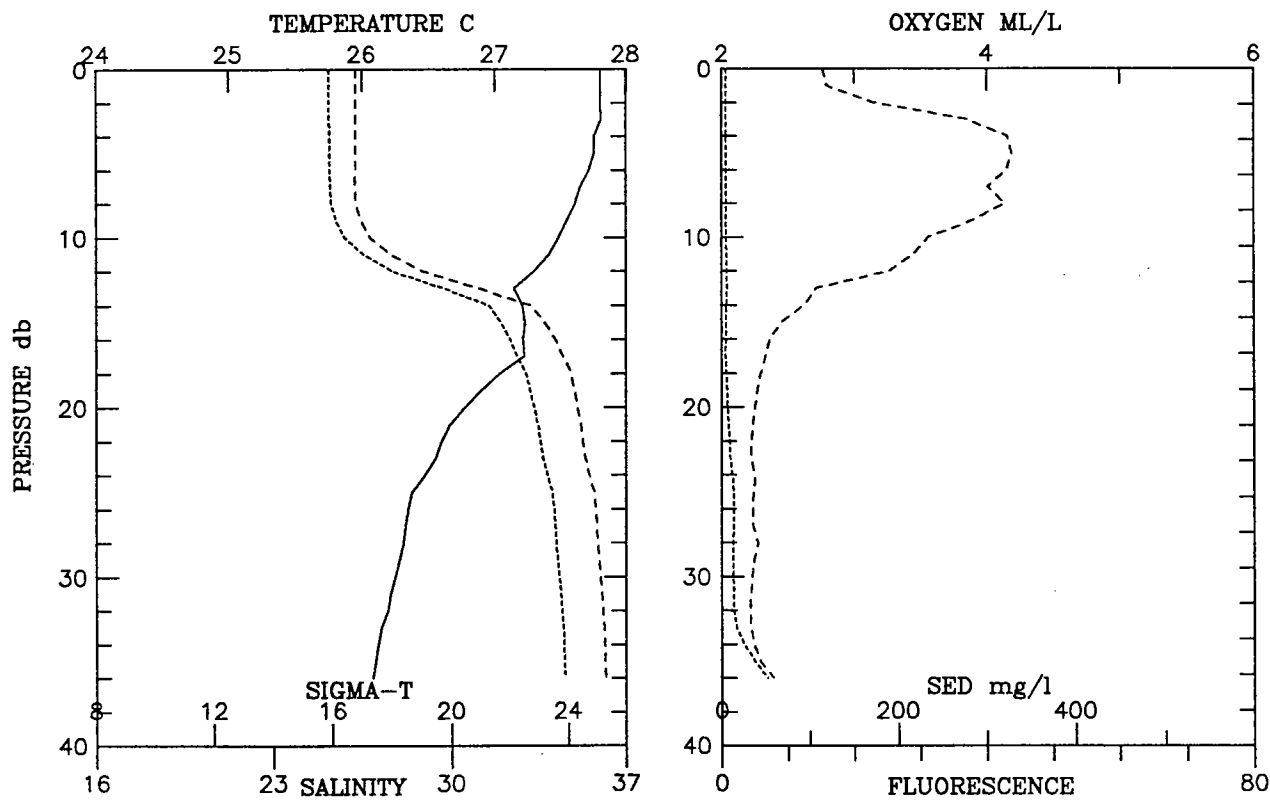
PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.703	26.483	16.100	0.0000	0.000	21.1	4.9
2.0	27.705	26.483	16.100	0.0230	0.000	20.4	4.9
4.0	27.725	26.480	16.091	0.0461	0.000	22.5	4.9
6.0	27.713	26.478	16.094	0.0691	0.000	25.3	4.9
8.0	27.697	26.493	16.110	0.0921	0.000	25.0	4.8
10.0	27.654	26.516	16.140	0.1151	0.000	22.3	4.9
12.0	27.544	26.993	16.532	0.1377	0.000	19.8	5.0
14.0	27.449	27.581	17.003	0.1595	4.253	18.4	5.3
16.0	27.165	31.846	20.294	0.1784	3.891	11.9	5.5
18.0	27.286	33.665	21.624	0.1919	3.850	8.1	4.6
20.0	27.202	34.421	22.219	0.2038	3.864	5.9	4.6
22.0	26.825	34.897	22.698	0.2145	3.838	5.5	7.9
24.0	26.554	35.282	23.074	0.2245	3.667	5.3	17.6
26.0	26.491	35.395	23.179	0.2340	3.577	5.6	21.3
28.0	26.450	35.471	23.249	0.2434	3.527	5.8	21.4
30.0	26.363	35.654	23.415	0.2525	3.525	6.4	35.2
32.0	26.218	35.963	23.693	0.2613	3.389	7.8	59.0
34.0	26.139	36.099	23.821	0.2696	3.323	11.3	96.4
36.0	26.107	36.134	23.858	0.2778	3.275	13.6	356.4





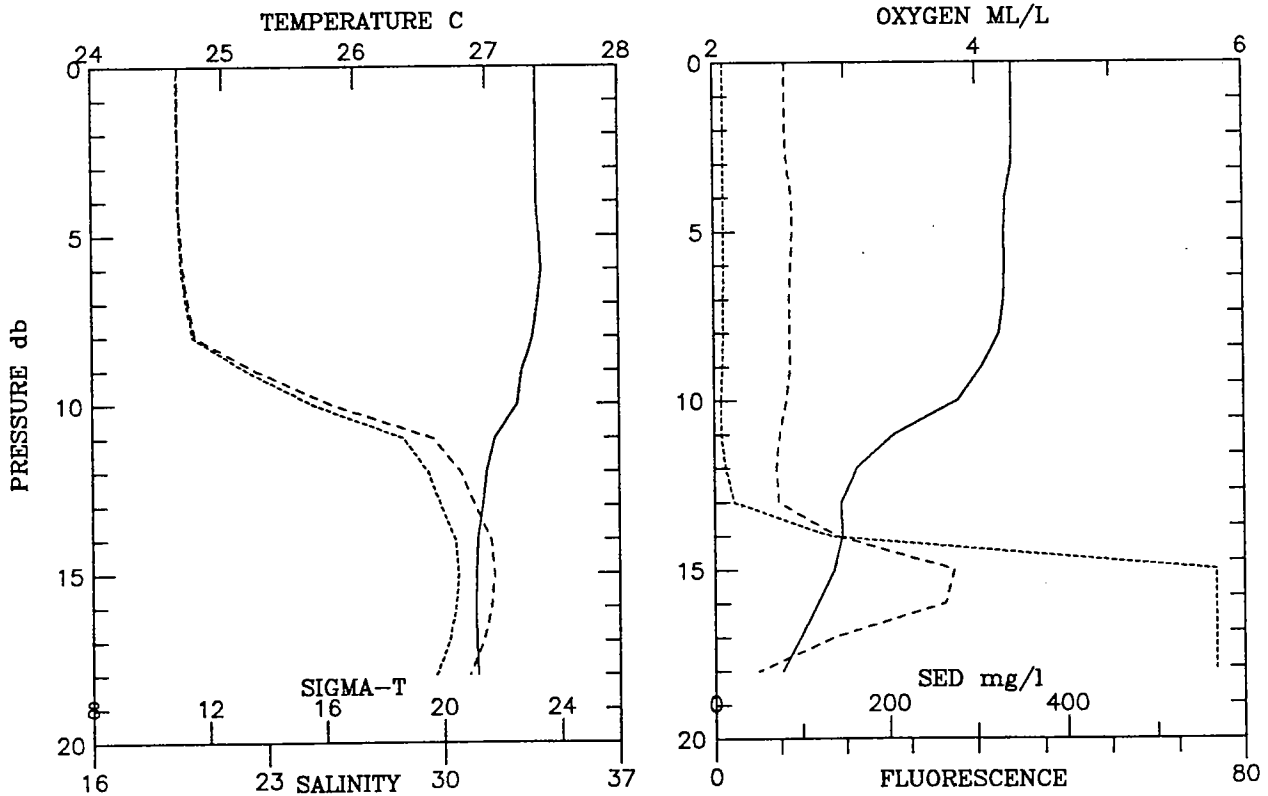
Cruise 19002 Leg 4 Station # 15.27 Depth m:38 Time: 1990-03-13 18:28  
 Position: 3° 19.87'N 50° 0.34'W Depth Deck Offset: 0.15 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.806	26.248	15.892	0.0000	0.000	15.3	4.7
2.0	27.806	26.248	15.892	0.0296	0.000	22.9	4.7
4.0	27.754	26.244	15.906	0.0530	0.000	43.1	4.6
6.0	27.717	26.233	15.909	0.0764	0.000	43.0	4.6
8.0	27.611	26.259	15.962	0.0998	0.000	42.7	4.6
10.0	27.482	26.802	16.409	0.1227	0.000	31.2	4.9
12.0	27.295	28.877	18.023	0.1438	0.000	25.3	5.6
14.0	27.208	33.182	21.285	0.1598	0.000	12.5	5.2
16.0	27.211	34.157	22.018	0.1721	0.000	7.3	4.5
18.0	27.031	34.803	22.562	0.1833	0.000	5.9	5.0
20.0	26.773	35.057	22.835	0.1936	0.000	5.0	6.7
22.0	26.592	35.260	23.045	0.2035	0.000	4.5	8.7
24.0	26.465	35.522	23.283	0.2130	0.000	5.0	12.1
26.0	26.341	35.775	23.513	0.2219	0.000	4.7	13.8
28.0	26.305	35.856	23.585	0.2306	0.000	5.5	12.6
30.0	26.243	35.968	23.689	0.2392	0.000	4.6	13.1
32.0	26.186	36.063	23.779	0.2476	0.000	4.3	13.5
34.0	26.116	36.133	23.854	0.2558	0.000	4.9	25.1
36.0	26.077	36.161	23.887	0.2639	0.000	7.8	51.7



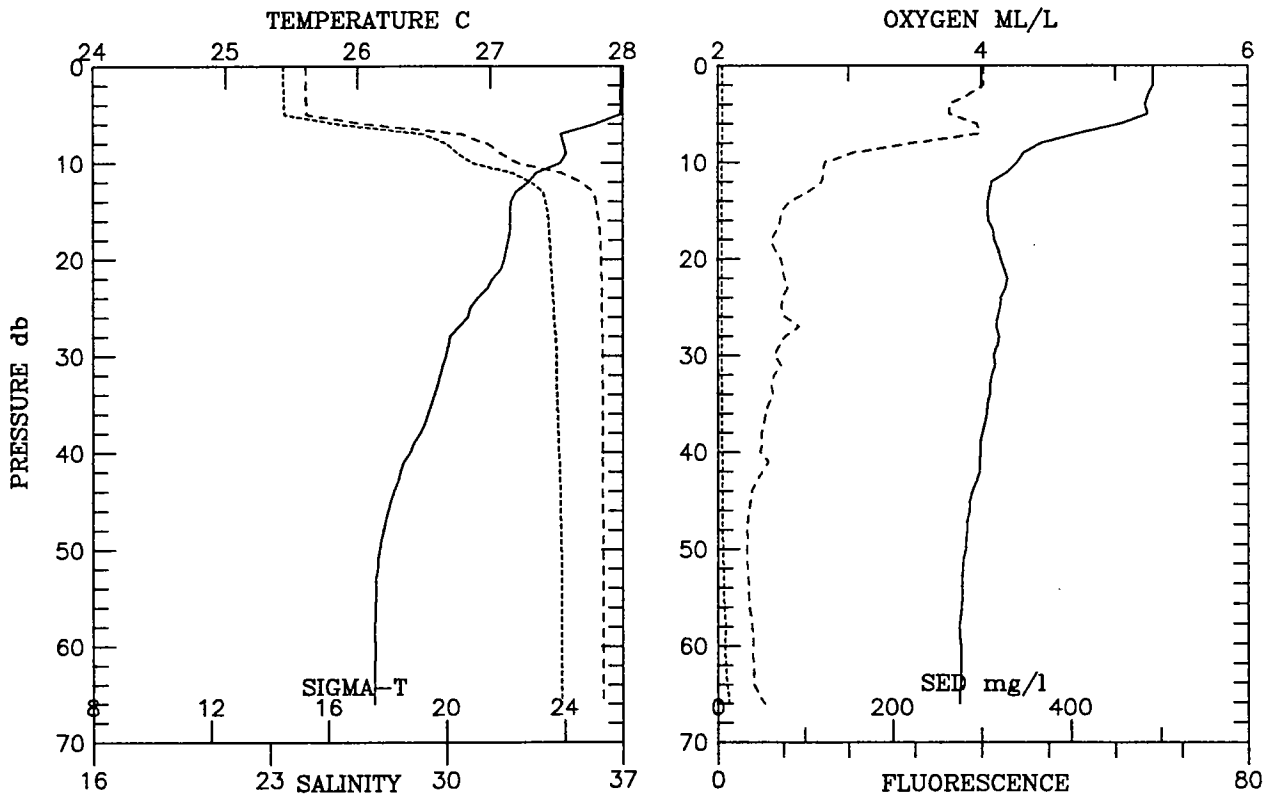
Cruise 19002 Leg 4 Station # 16.00 Depth m:20 Time: 1990-03-13 22:27  
 Position: 3° 4.60'N 50° 19.20'W Depth Deck Offset: -0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.376	19.478	10.962	0.0000	4.271	11.0	11.3
1.0	E	27.376	19.477	10.961	0.0165	4.272	11.0	11.3
2.0		27.375	19.477	10.961	0.0330	4.272	11.0	11.3
3.0		27.376	19.487	10.969	0.0495	4.266	11.3	11.4
4.0		27.379	19.490	10.970	0.0660	4.218	12.0	11.4
5.0		27.398	19.563	11.019	0.0825	4.209	12.1	11.4
6.0		27.409	19.653	11.083	0.0990	4.217	11.8	11.4
7.0		27.381	19.855	11.242	0.1153	4.204	11.6	10.8
8.0		27.340	20.129	11.459	0.1314	4.168	11.6	10.4
9.0		27.260	22.558	13.300	0.1465	4.040	11.7	9.4
10.0		27.228	25.563	15.559	0.1597	3.861	11.1	7.6
11.0		27.055	29.602	18.643	0.1702	3.377	10.0	7.7
12.0		26.996	30.698	19.485	0.1789	3.084	9.5	12.6
13.0		26.965	31.264	19.920	0.1869	2.968	9.8	22.1
14.0		26.928	31.892	20.404	0.1945	2.973	18.6	132.2
15.0		26.915	32.025	20.508	0.2018	2.911	36.6	567.0
16.0		26.911	31.896	20.412	0.2091	2.784	35.2	567.0
17.0		26.917	31.592	20.182	0.2166	2.652	18.2	567.0
18.0		26.928	31.030	19.756	0.2244	2.517	6.7	567.0



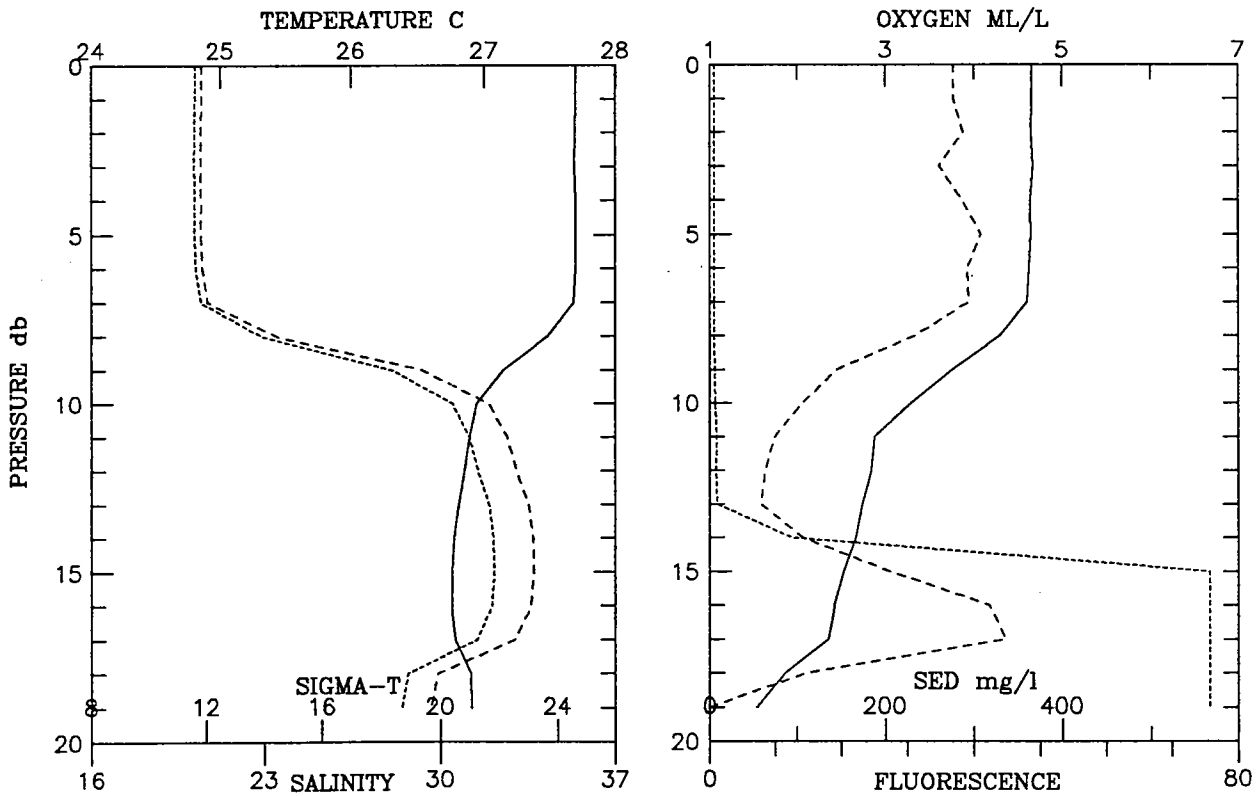
Cruise I9002 Leg 4 Station # 17.00 Depth m:68 Time: 1990-03-14 22:20  
 Position: 3° 25.50'N 49° 58.10'W Depth Deck Offset: -0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.983	24.424	14.472	0.0000	5.280	40.3	4.8
5.0		27.979	24.460	14.500	0.0654	5.244	35.3	4.7
10.0		27.524	32.802	20.899	0.1102	4.267	16.4	4.4
15.0		27.142	35.975	23.409	0.1356	4.050	9.8	4.2
20.0		27.103	36.114	23.526	0.1578	4.148	9.7	4.2
25.0		26.847	36.144	23.631	0.1794	4.143	9.8	4.3
30.0		26.664	36.171	23.710	0.2006	4.095	8.7	4.3
35.0		26.551	36.172	23.746	0.2216	4.043	7.7	4.3
40.0		26.389	36.177	23.801	0.2424	3.992	6.5	4.5
45.0		26.247	36.186	23.853	0.2629	3.916	5.0	4.8
50.0		26.165	36.190	23.882	0.2832	3.883	4.4	5.2
55.0		26.133	36.195	23.895	0.3034	3.856	4.7	6.5
60.0		26.129	36.195	23.897	0.3236	3.847	5.4	7.7
65.0		26.124	36.195	23.898	0.3439	3.839	6.2	12.0
66.0		26.125	36.195	23.898	0.3479	3.836	7.1	12.5



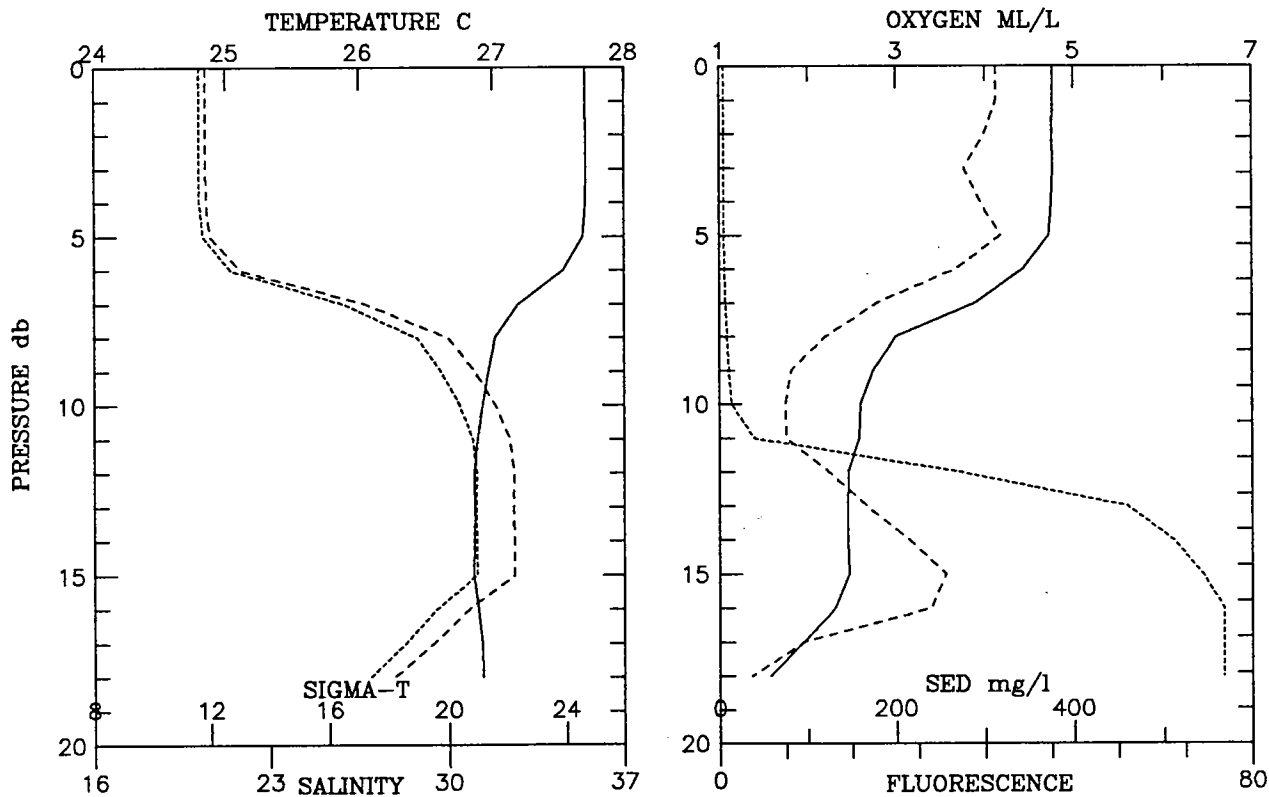
Cruise I9002 Leg 4 Station # 18.01 Depth m:20 Time: 1990-03-15 01:43  
 Position: 3° 5.80'N 50° 19.70'W Depth Deck Offset: -0.17 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.690	20.483	11.617	0.0000	4.654	36.9
1.0		27.690	20.483	11.617	0.0159	4.655	36.9
2.0		27.688	20.463	11.603	0.0318	4.652	38.4
3.0		27.683	20.448	11.593	0.0476	4.670	34.8
4.0		27.693	20.472	11.608	0.0635	4.642	38.2
5.0		27.694	20.468	11.605	0.0794	4.653	41.1
6.0		27.692	20.517	11.642	0.0953	4.624	39.0
7.0		27.677	20.752	11.822	0.1110	4.605	39.3
8.0		27.478	23.508	13.944	0.1257	4.298	31.2
9.0		27.138	29.303	18.393	0.1371	3.761	19.4
10.0		26.938	31.911	20.415	0.1455	3.292	14.2
11.0		26.886	32.647	20.985	0.1525	2.882	10.0
12.0		26.849	33.023	21.279	0.1592	2.846	8.5
13.0		26.802	33.503	21.655	0.1656	2.742	7.9
14.0		26.768	33.679	21.799	0.1717	2.674	14.2
15.0		26.755	33.712	21.828	0.1777	2.534	27.4
16.0		26.756	33.603	21.745	0.1837	2.425	42.4
17.0		26.779	32.948	21.245	0.1900	2.357	44.8
18.0		26.897	29.905	18.920	0.1977	1.868	14.9
19.0		26.902	29.637	18.717	0.2066	1.544	0.0



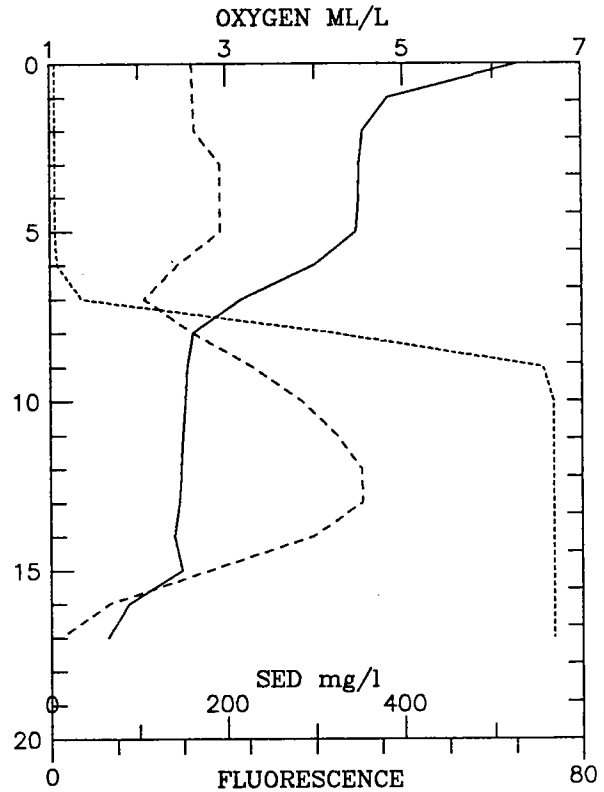
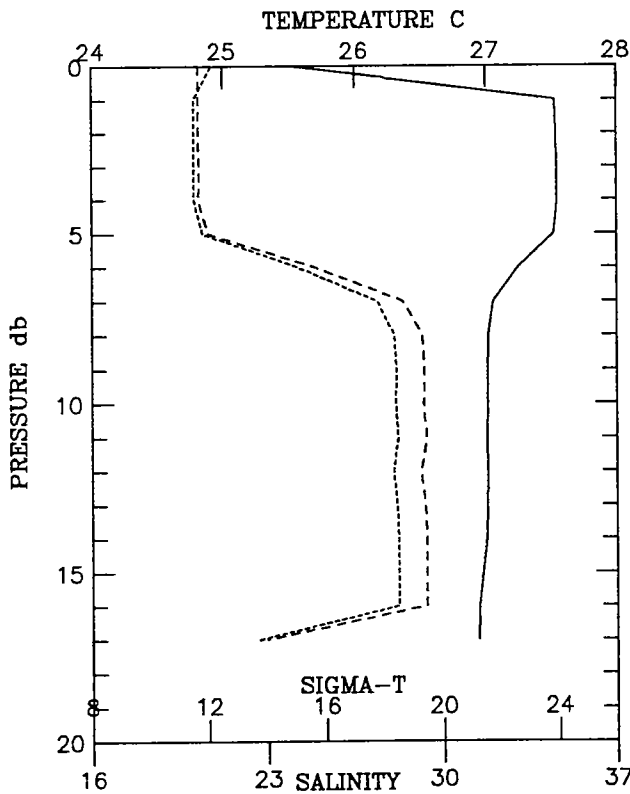
Cruise 19002 Leg 4 Station # 18.03 Depth m:20 Time: 1990-03-15 02:51  
 Position: 3° 6.50'N 50° 18.40'W Depth Deck Offset: -0.17 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.702	20.465	11.600	0.0000	4.765	41.7	4.8
1.0	27.701	20.465	11.600	0.0159	4.766	41.7	4.8
2.0	27.705	20.469	11.602	0.0318	4.755	39.9	4.8
3.0	27.704	20.465	11.599	0.0477	4.763	36.9	4.8
4.0	27.703	20.486	11.615	0.0636	4.750	39.3	4.8
5.0	27.683	20.642	11.738	0.0794	4.723	42.4	4.9
6.0	27.532	21.837	12.677	0.0947	4.431	35.7	5.4
7.0	27.189	26.778	16.482	0.1077	3.891	23.8	6.5
8.0	27.016	29.994	18.950	0.1176	2.997	16.0	8.6
9.0	26.963	31.027	19.742	0.1260	2.742	10.8	10.4
10.0	26.919	31.855	20.379	0.1337	2.599	9.9	13.4
11.0	26.880	32.414	20.811	0.1409	2.579	10.1	38.7
12.0	26.860	32.587	20.948	0.1478	2.462	16.5	270.9
13.0	26.862	32.548	20.918	0.1546	2.452	22.2	459.1
14.0	26.860	32.585	20.946	0.1615	2.452	28.6	510.2
15.0	26.854	32.592	20.953	0.1683	2.467	34.1	543.6
16.0	26.889	30.788	19.586	0.1758	2.307	31.9	567.0
17.0	26.919	29.408	18.540	0.1845	1.943	12.7	567.0
18.0	26.920	27.862	17.378	0.1942	1.571	4.8	567.0



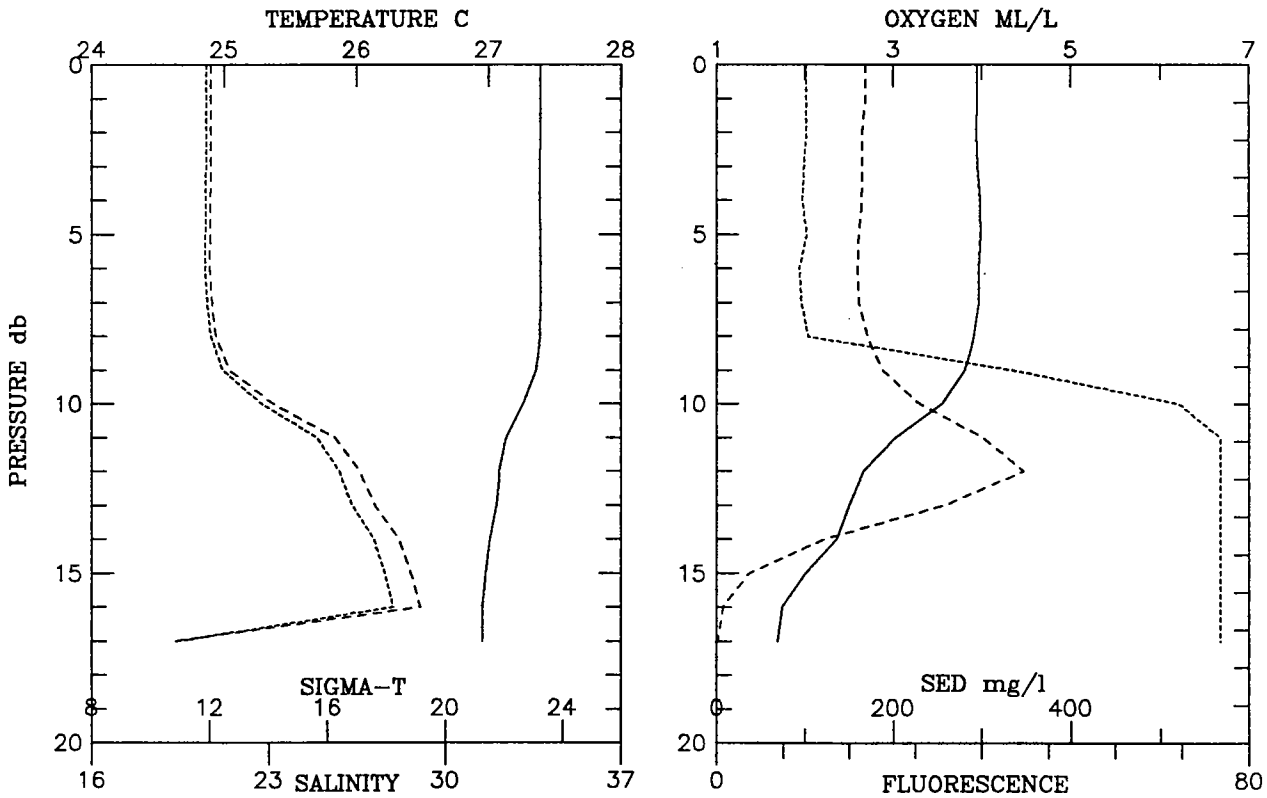
Cruise I9002 Leg 4 Station # 18.05 Depth m:20 Time: 1990-03-15 04:06  
 Position: 3° 6.50'N 50° 18.40'W Depth Deck Offset: -0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	25.530	20.280	12.108	0.0000	6.291	21.5	5.3
1.0	27.529	20.280	11.514	0.0230	4.833	21.7	5.3
2.0	27.537	20.282	11.513	0.0390	4.550	21.9	5.2
3.0	27.540	20.303	11.528	0.0549	4.506	25.8	5.2
4.0	27.542	20.292	11.520	0.0709	4.492	25.8	5.2
5.0	27.517	20.672	11.811	0.0867	4.466	25.8	5.3
6.0	27.245	24.919	15.072	0.1008	3.994	19.3	8.0
7.0	27.050	28.403	17.744	0.1120	3.176	14.2	35.8
8.0	27.014	29.165	18.328	0.1217	2.618	21.6	320.7
9.0	27.009	29.252	18.395	0.1310	2.553	30.7	555.2
10.0	27.009	29.229	18.378	0.1403	2.530	38.0	567.0
11.0	27.005	29.330	18.455	0.1496	2.501	43.2	567.0
12.0	27.009	29.121	18.297	0.1589	2.482	47.0	567.0
13.0	27.005	29.270	18.410	0.1682	2.460	47.1	567.0
14.0	26.997	29.333	18.459	0.1775	2.401	39.7	567.0
15.0	26.968	29.330	18.466	0.1867	2.485	24.1	567.0
16.0	26.941	29.318	18.466	0.1960	1.875	8.7	567.0
17.0	26.935	22.989	13.721	0.2075	1.644	1.4	567.0



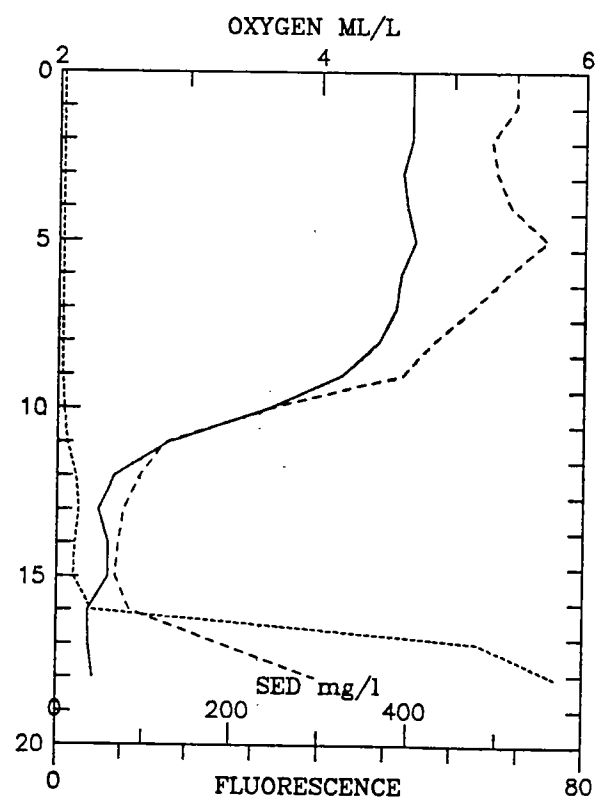
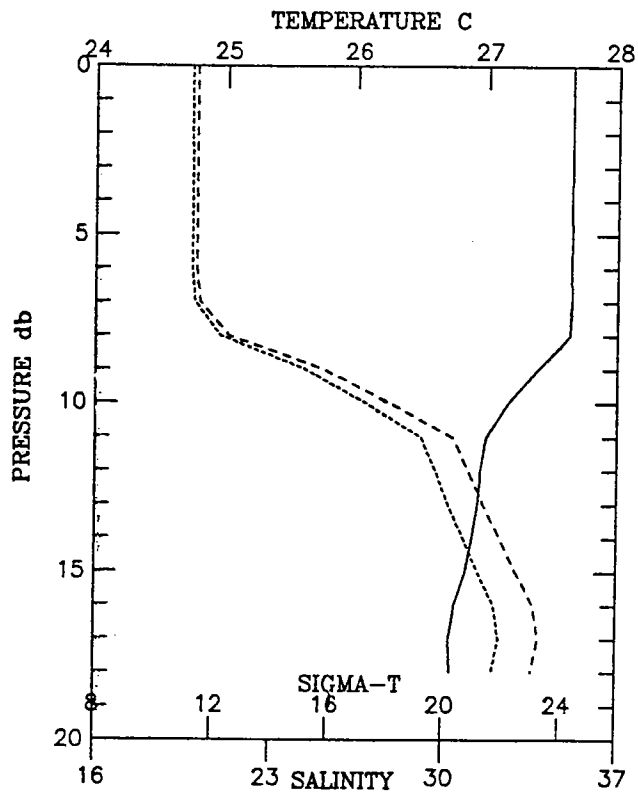
Cruise 19002 Leg 4 Station # 18.06 Depth m:20 Time: 1990-03-15 05:08  
 Position: 3° 6.50'N 50° 18.40'W Depth Deck Offset: -0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.389	20.730	11.893	0.0000	3.955	22.5
1.0		27.389	20.730	11.894	0.0156	3.955	101.5
2.0		27.390	20.730	11.893	0.0312	3.944	101.5
3.0		27.385	20.709	11.879	0.0468	3.957	98.9
4.0		27.386	20.697	11.870	0.0624	3.987	97.1
5.0		27.389	20.683	11.858	0.0781	3.996	102.3
6.0		27.390	20.664	11.844	0.0937	3.969	93.6
7.0		27.390	20.755	11.912	0.1093	3.970	96.1
8.0		27.385	20.921	12.037	0.1249	3.917	103.8
9.0		27.355	21.444	12.438	0.1401	3.811	334.6
10.0		27.263	23.180	13.764	0.1546	3.558	521.1
11.0		27.127	25.625	15.637	0.1674	3.029	567.0
12.0		27.078	26.616	16.395	0.1790	2.660	567.0
13.0		27.057	27.201	16.840	0.1900	2.503	567.0
14.0		27.009	28.158	17.573	0.2005	2.361	567.0
15.0		26.976	28.639	17.945	0.2104	2.006	4.9
16.0		26.951	29.015	18.235	0.2200	1.740	567.0
17.0		26.949	19.319	10.972	0.2330	1.691	567.0



Cruise I9002 Leg 4 Station # 18.13 Depth m:20 Time: 1990-03-15 12:03  
 Position: 3° 6.23'N 50° 19.19'W Depth Deck Offset: -0.03 Fish 2

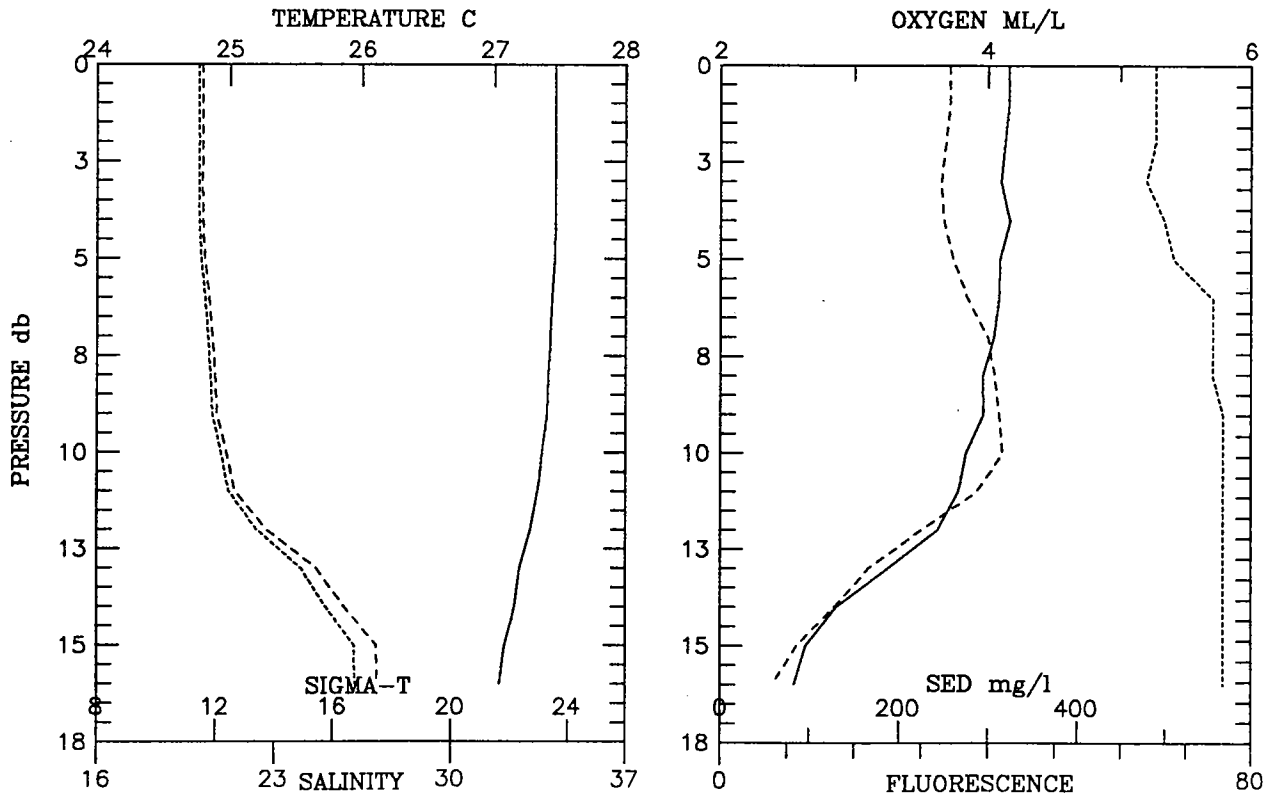
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.644	20.024	11.288	0.0000	4.683	69.3	4.6
1.0		27.644	20.024	11.288	0.0162	4.684	69.3	4.6
2.0		27.644	20.024	11.288	0.0324	4.684	65.7	4.5
3.0		27.642	20.027	11.291	0.0486	4.616	66.5	4.6
4.0		27.640	20.031	11.294	0.0648	4.652	68.6	4.6
5.0		27.642	20.032	11.295	0.0810	4.714	74.2	4.5
6.0		27.641	20.027	11.291	0.0972	4.606	68.1	4.5
7.0		27.645	20.178	11.403	0.1133	4.573	63.1	4.5
8.0		27.631	21.325	12.264	0.1290	4.445	57.2	4.6
9.0		27.383	25.147	15.200	0.1428	4.173	52.5	5.1
10.0		27.159	27.884	17.321	0.1541	3.625	32.6	7.0
11.0		26.995	30.388	19.252	0.1635	2.858	16.7	10.7
12.0		26.951	31.041	19.757	0.1718	2.439	12.8	21.3
13.0		26.931	31.624	20.201	0.1795	2.316	10.3	24.6
14.0		26.893	32.293	20.716	0.1868	2.395	9.5	20.1
15.0		26.842	32.946	21.224	0.1937	2.396	9.1	18.6
16.0		26.762	33.644	21.774	0.2000	2.239	11.3	40.0
17.0		26.719	33.848	21.941	0.2060	2.243	25.2	478.9
18.0		26.732	33.568	21.727	0.2120	2.279	39.5	567.0





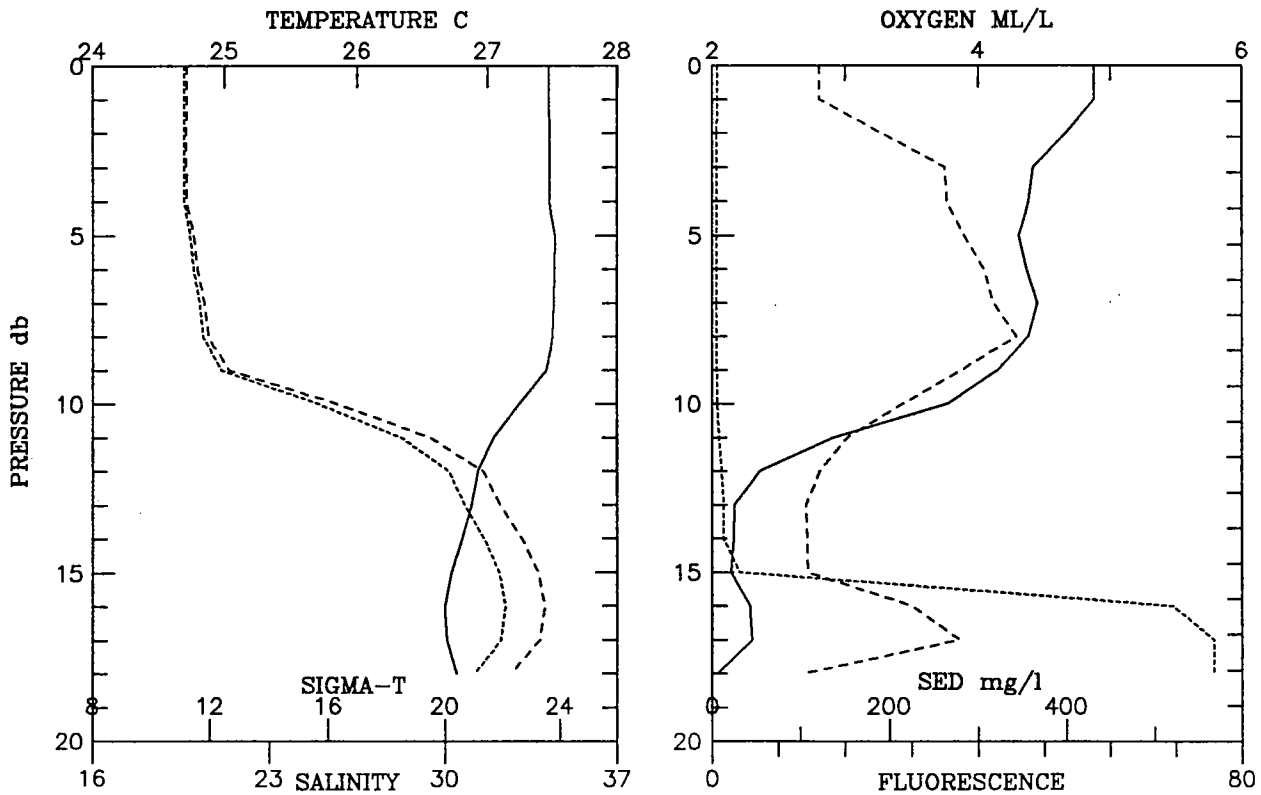
Cruise I9002 Leg 4 Station # 18.20 Depth m:18 Time: 1990-03-15 19:05  
 Position: 3° 6.25'N 50° 19.19'W Depth Deck Offset: 0.00 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.459	20.148	11.437	0.0000	4.154	34.3	489.1
1.0		27.459	20.148	11.437	0.0160	4.154	34.3	489.1
2.0		27.459	20.152	11.440	0.0321	4.130	33.7	489.1
3.0		27.460	20.139	11.430	0.0481	4.101	33.0	478.9
4.0		27.459	20.151	11.440	0.0642	4.167	33.4	499.6
5.0		27.453	20.242	11.509	0.0802	4.089	34.9	510.2
6.0		27.436	20.410	11.640	0.0961	4.082	37.0	555.2
7.0		27.420	20.547	11.747	0.1119	4.044	40.0	555.2
8.0		27.408	20.644	11.823	0.1276	3.961	41.0	555.2
9.0		27.396	20.727	11.889	0.1433	3.966	41.7	567.0
10.0		27.356	21.108	12.186	0.1587	3.838	42.2	567.0
11.0		27.324	21.440	12.444	0.1739	3.781	38.3	567.0
12.0		27.271	22.684	13.391	0.1885	3.623	30.0	567.0
13.0		27.190	24.665	14.898	0.2020	3.253	22.2	567.0
14.0		27.147	25.774	15.742	0.2142	2.871	17.1	567.0
15.0		27.077	27.053	16.723	0.2256	2.642	11.5	567.0
16.0		27.038	27.091	16.763	0.2365	2.554	7.8	567.0



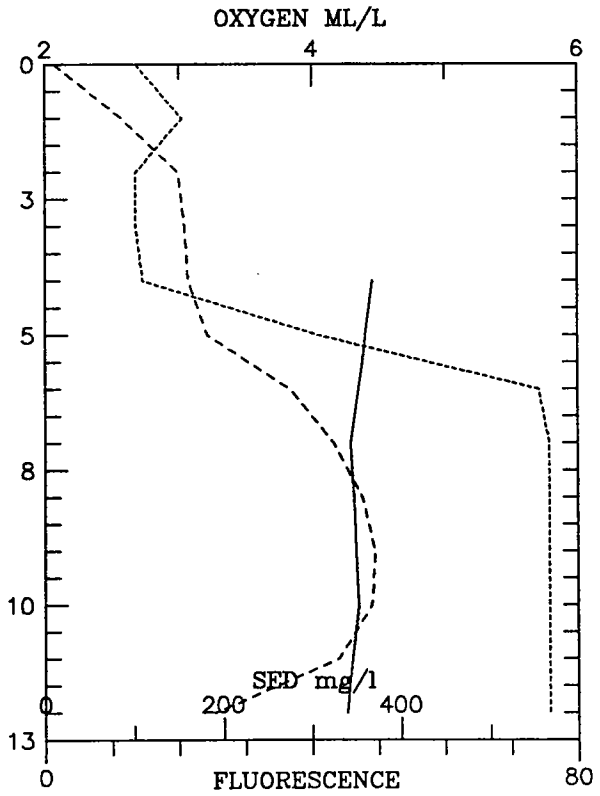
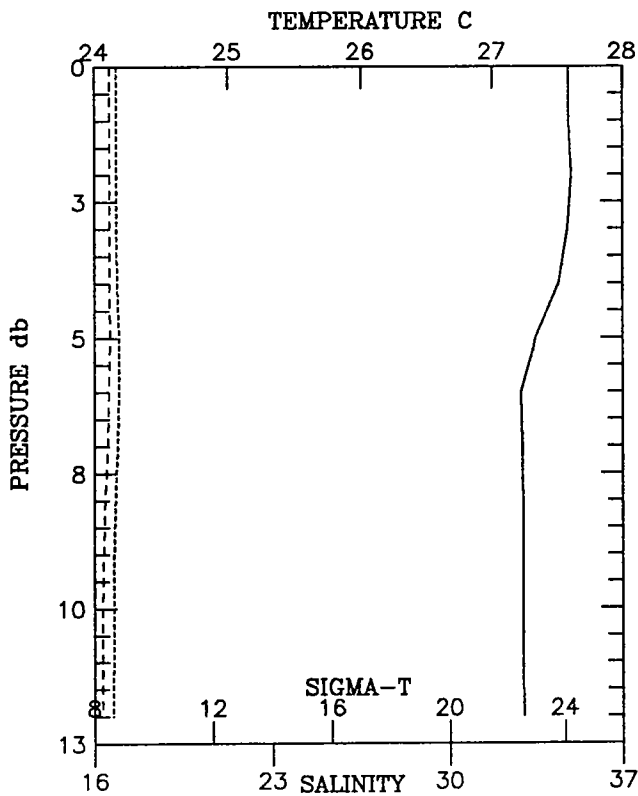
Cruise 19002 Leg 4 Station # 18.24 Depth m:21 Time: 1990-03-16 00:12  
 Position: 3° 6.25'N 50° 19.19'W Depth Deck Offset: -0.25 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.468	19.740	11.130	0.0000	4.881	16.2
1.0		27.468	19.740	11.130	0.0163	4.881	16.2
2.0		27.472	19.737	11.126	0.0327	4.664	25.5
3.0		27.472	19.736	11.125	0.0491	4.413	35.0
4.0		27.474	19.750	11.135	0.0654	4.381	35.3
5.0		27.517	20.030	11.331	0.0817	4.309	37.9
6.0		27.514	20.192	11.453	0.0977	4.363	40.9
7.0		27.507	20.464	11.659	0.1137	4.446	42.3
8.0		27.499	20.626	11.782	0.1295	4.378	45.8
9.0		27.452	21.443	12.407	0.1449	4.145	37.5
10.0		27.242	25.763	15.705	0.1584	3.772	28.7
11.0		27.040	29.430	18.519	0.1689	2.913	20.4
12.0		26.921	31.554	20.152	0.1773	2.361	16.3
13.0		26.872	32.239	20.682	0.1846	2.166	14.2
14.0		26.798	33.121	21.369	0.1914	2.162	14.4
15.0		26.718	33.781	21.891	0.1976	2.144	14.5
16.0		26.668	34.036	22.099	0.2034	2.290	30.1
17.0		26.682	33.849	21.954	0.2093	2.301	37.2
18.0		26.757	32.661	21.036	0.2156	2.043	13.9



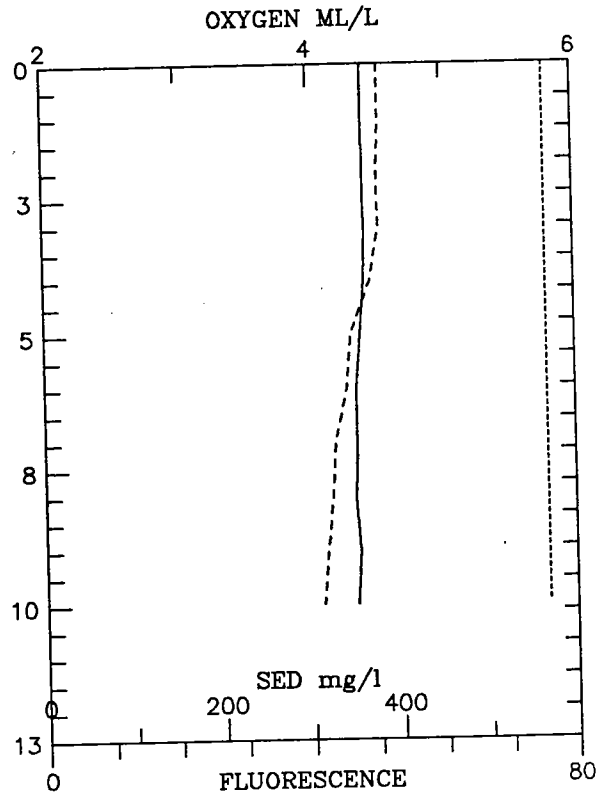
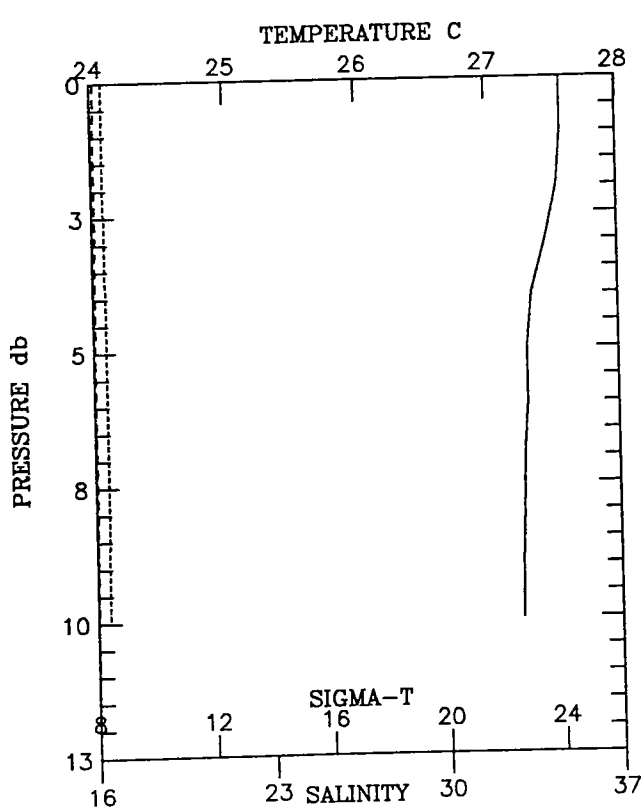
Cruise 19002 Leg 4 Station # 20.01 Depth m:11 Time: 1990-03-16 14:41  
 Position: 2° 53.52'N 50° 43.14'W Depth Deck Offset: 0.17 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	27.587	16.595	8.745	0.0000	0.000	1.4	101.9
1.0	27.587	16.595	8.745	0.0234	0.000	11.5	153.3
2.0	27.603	16.593	8.739	0.0421	0.000	19.9	101.5
3.0	27.576	16.588	8.744	0.0608	0.000	20.9	101.5
4.0	27.505	16.588	8.765	0.0795	4.456	21.4	109.4
5.0	27.326	16.607	8.833	0.0981	4.405	24.3	307.5
6.0	27.219	16.563	8.832	0.1167	4.350	36.7	555.2
7.0	27.225	16.506	8.788	0.1353	4.292	43.3	567.0
8.0	27.230	16.406	8.711	0.1540	4.314	47.6	567.0
9.0	27.231	16.348	8.668	0.1728	4.331	49.5	567.0
10.0	27.230	16.320	8.647	0.1915	4.349	49.0	567.0
11.0	27.231	16.319	8.646	0.2103	4.303	44.0	567.0
12.0	27.236	16.309	8.637	0.2291	4.265	25.4	567.0



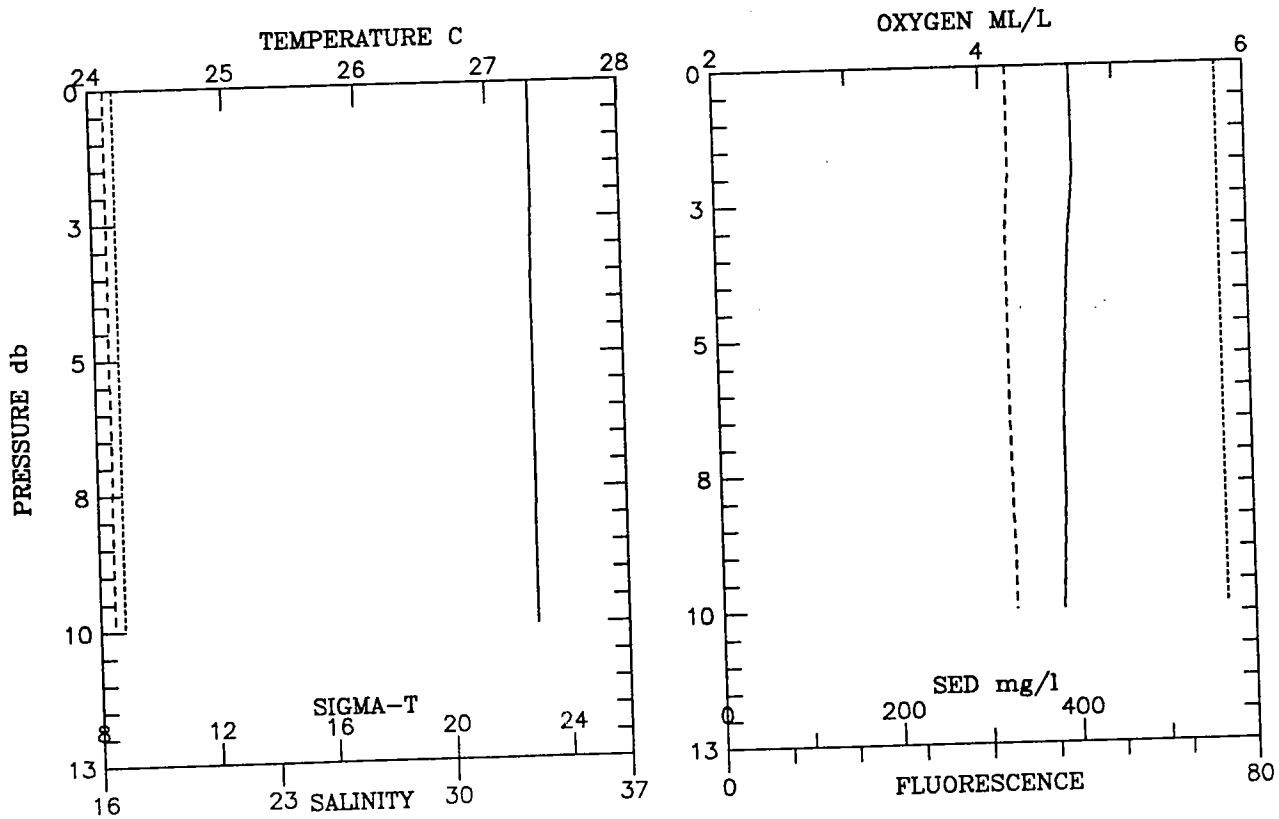
Cruise 19002 Leg 4 Station # 20.02 Depth m:12 Time: 1990-03-16 15:56  
 Position: 2° 53.52'N 50° 43.14'W Depth Deck Offset: 0.00 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.575	16.119	8.394	0.0000	4.407	50.7	567.0
1.0		27.575	16.118	8.393	0.0190	4.407	50.7	567.0
2.0		27.540	16.116	8.402	0.0381	4.414	50.4	567.0
3.0		27.450	16.101	8.418	0.0571	4.416	50.5	567.0
4.0		27.339	16.074	8.431	0.0761	4.409	49.1	567.0
5.0		27.297	16.062	8.435	0.0951	4.377	46.1	567.0
6.0		27.299	16.063	8.435	0.1141	4.340	45.4	567.0
7.0		27.269	16.048	8.432	0.1331	4.340	43.6	567.0
8.0		27.261	16.045	8.433	0.1521	4.326	43.1	567.0
9.0		27.248	16.031	8.426	0.1711	4.354	42.3	567.0
10.0		27.241	16.024	8.423	0.1901	4.330	41.6	567.0



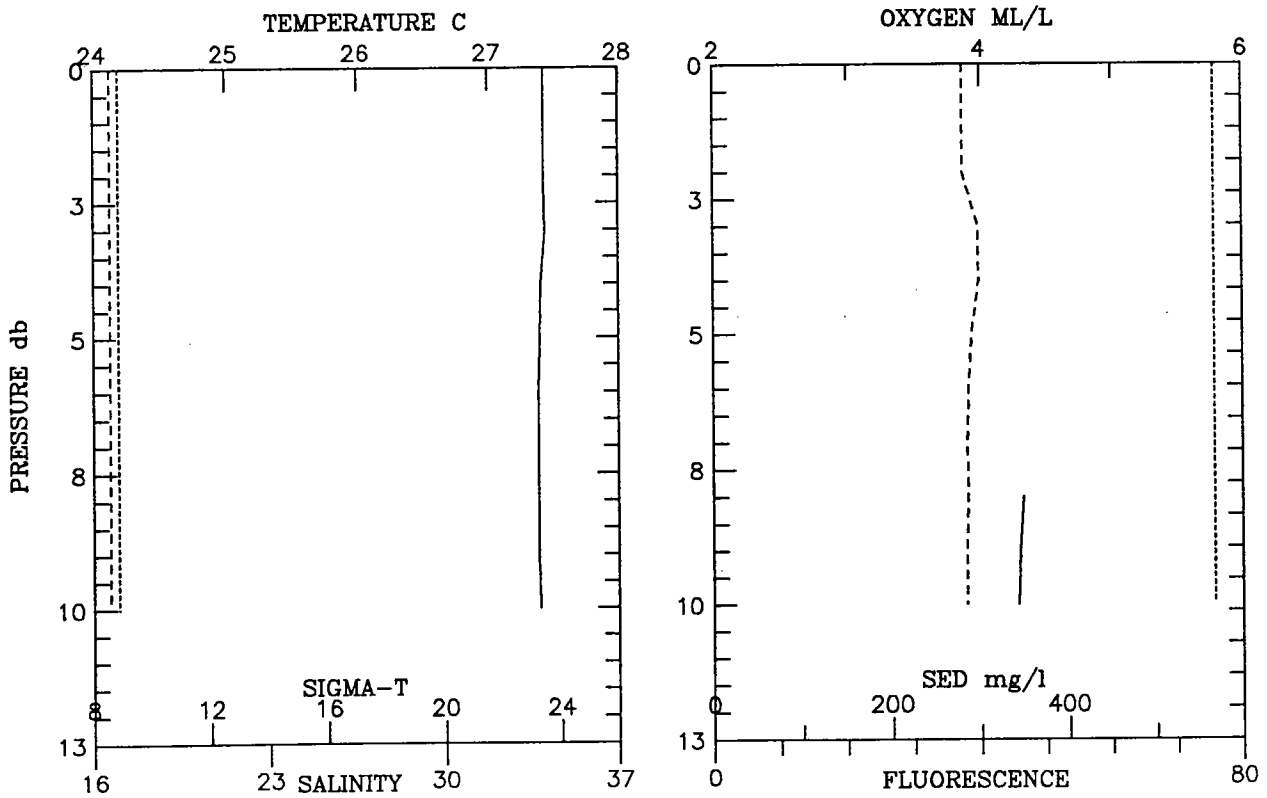
Cruise 19002 Leg 4 Station # 20.03 Depth m:12 Time: 1990-03-16 16:37  
 Position: 2° 53.52'N 50° 43.14'W Depth Deck Offset: 0.00 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.324	16.581	8.814	0.0000	4.682	44.1	567.0
1.0	E	27.323	16.581	8.814	0.0186	4.683	44.1	567.0
2.0		27.323	16.581	8.814	0.0372	4.683	44.1	567.0
3.0		27.312	16.577	8.815	0.0559	4.644	43.5	567.0
4.0		27.310	16.577	8.815	0.0745	4.624	43.5	567.0
5.0		27.308	16.576	8.815	0.0931	4.600	43.5	567.0
6.0		27.309	16.577	8.816	0.1117	4.583	43.5	567.0
7.0		27.311	16.578	8.816	0.1303	4.577	43.6	567.0
8.0		27.306	16.575	8.815	0.1490	4.580	43.7	567.0
9.0		27.305	16.572	8.813	0.1676	4.561	43.9	567.0
10.0		27.304	16.572	8.813	0.1862	4.551	43.9	567.0



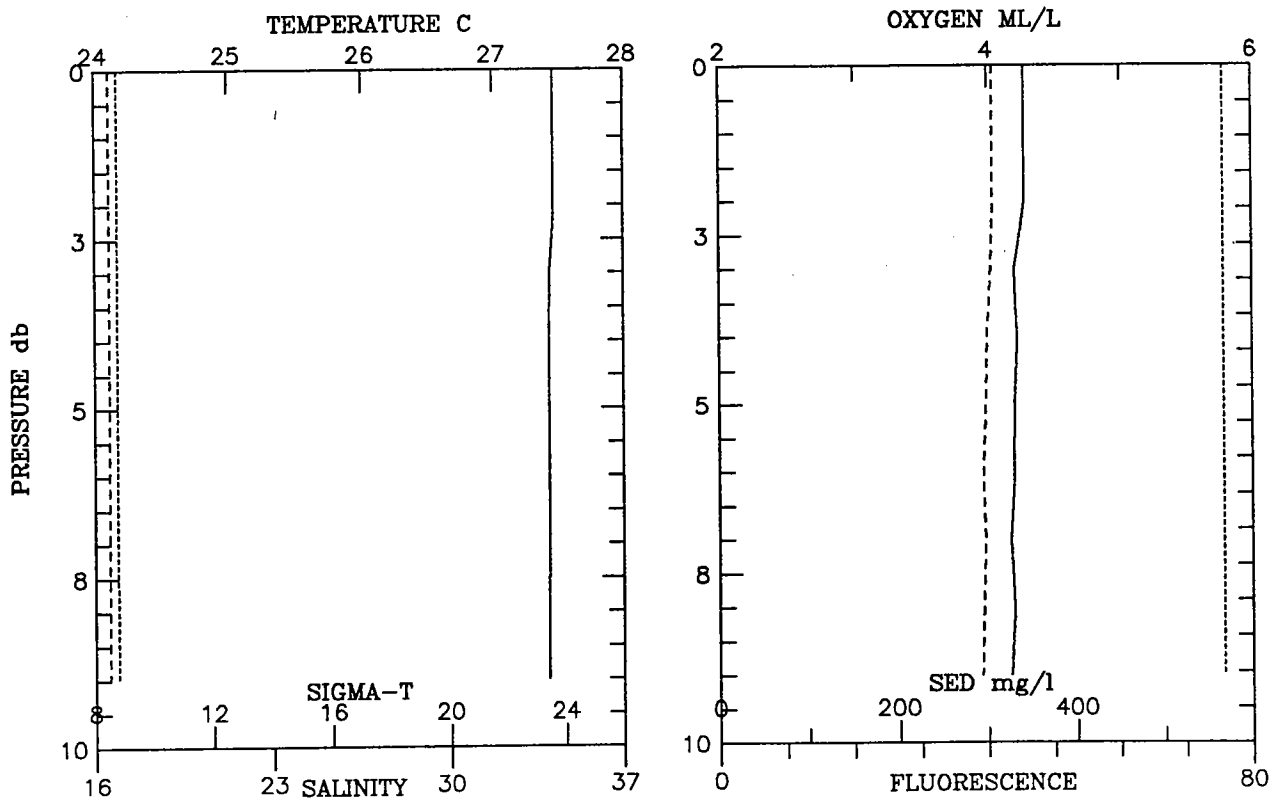
Cruise 19002 Leg 4 Station # 20.04 Depth m:11 Time: 1990-03-16 17:35  
 Position: 2° 53.52'N 50° 43.14'W Depth Deck Offset: 0.25 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.425	16.666	8.847	0.0000	0.000	37.4	567.0
1.0	E	27.425	16.666	8.847	0.0186	0.000	37.4	567.0
2.0		27.425	16.666	8.847	0.0372	0.000	37.4	567.0
3.0		27.437	16.667	8.844	0.0558	0.000	39.7	567.0
4.0		27.400	16.666	8.855	0.0743	0.000	39.8	567.0
5.0		27.390	16.665	8.857	0.0929	0.000	38.7	567.0
6.0		27.382	16.665	8.859	0.1115	0.000	38.2	567.0
7.0		27.383	16.665	8.859	0.1301	0.000	38.0	567.0
8.0		27.380	16.664	8.859	0.1487	4.320	38.1	567.0
9.0		27.381	16.664	8.859	0.1672	4.295	37.9	567.0
10.0		27.389	16.664	8.856	0.1858	4.283	37.9	567.0



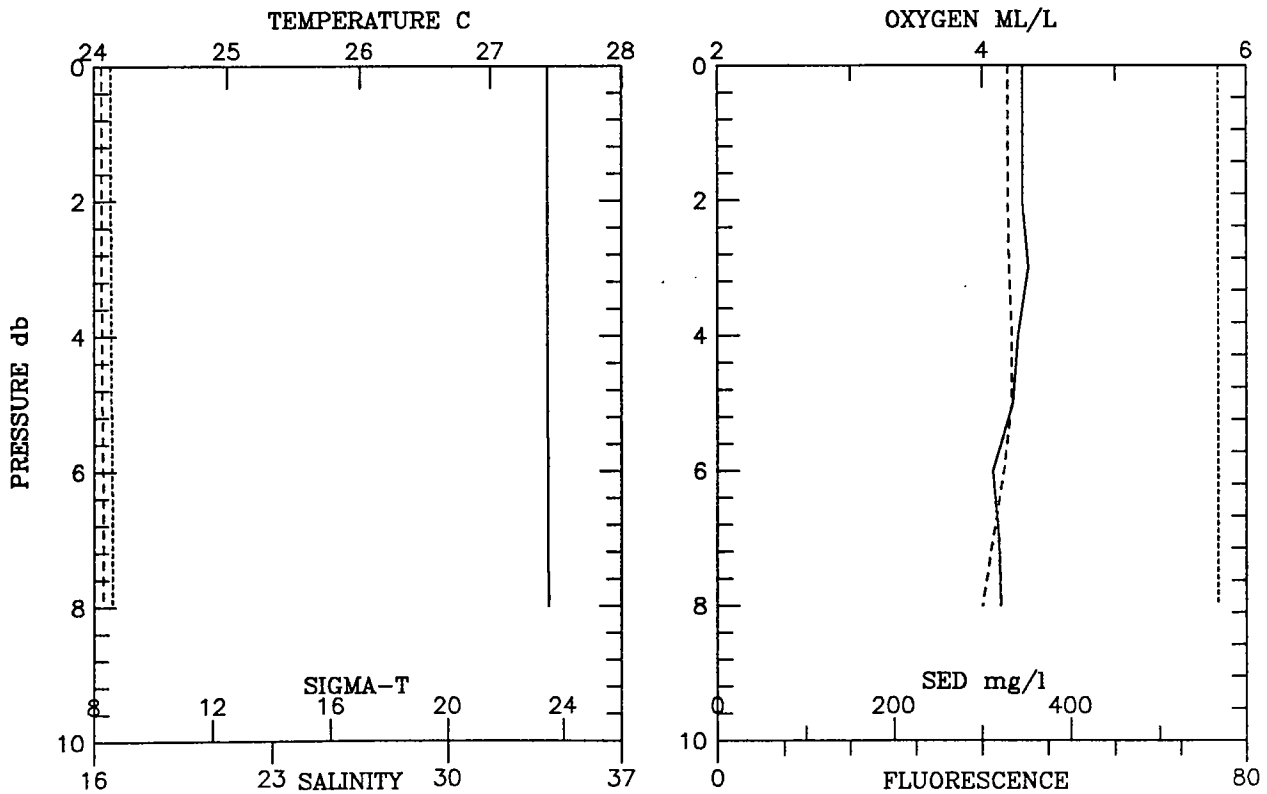
Cruise I9002 Leg 4 Station # 20.05 Depth m:10 Time: 1990-03-16 18:34  
 Position: 2° 53.52'N 50° 43.14'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.462	16.567	8.762	0.0000	4.277	40.8	567.0
1.0	E	27.462	16.567	8.762	0.0187	4.278	40.8	567.0
2.0		27.461	16.566	8.762	0.0373	4.278	40.8	567.0
3.0		27.433	16.566	8.770	0.0560	4.199	40.5	567.0
4.0		27.431	16.567	8.772	0.0747	4.219	39.9	567.0
5.0		27.430	16.568	8.773	0.0933	4.198	39.7	567.0
6.0		27.429	16.568	8.773	0.1120	4.197	39.3	567.0
7.0		27.428	16.570	8.775	0.1307	4.169	39.6	567.0
8.0		27.427	16.571	8.776	0.1493	4.195	39.3	567.0
9.0		27.427	16.571	8.776	0.1680	4.169	39.1	567.0



Cruise 19002 Leg 4 Station # 20.06 Depth m:10 Time: 1990-03-16 19:46  
 Position: 2° 53.52'N 50° 43.14'W Depth Deck Offset: -0.08 Fish 2

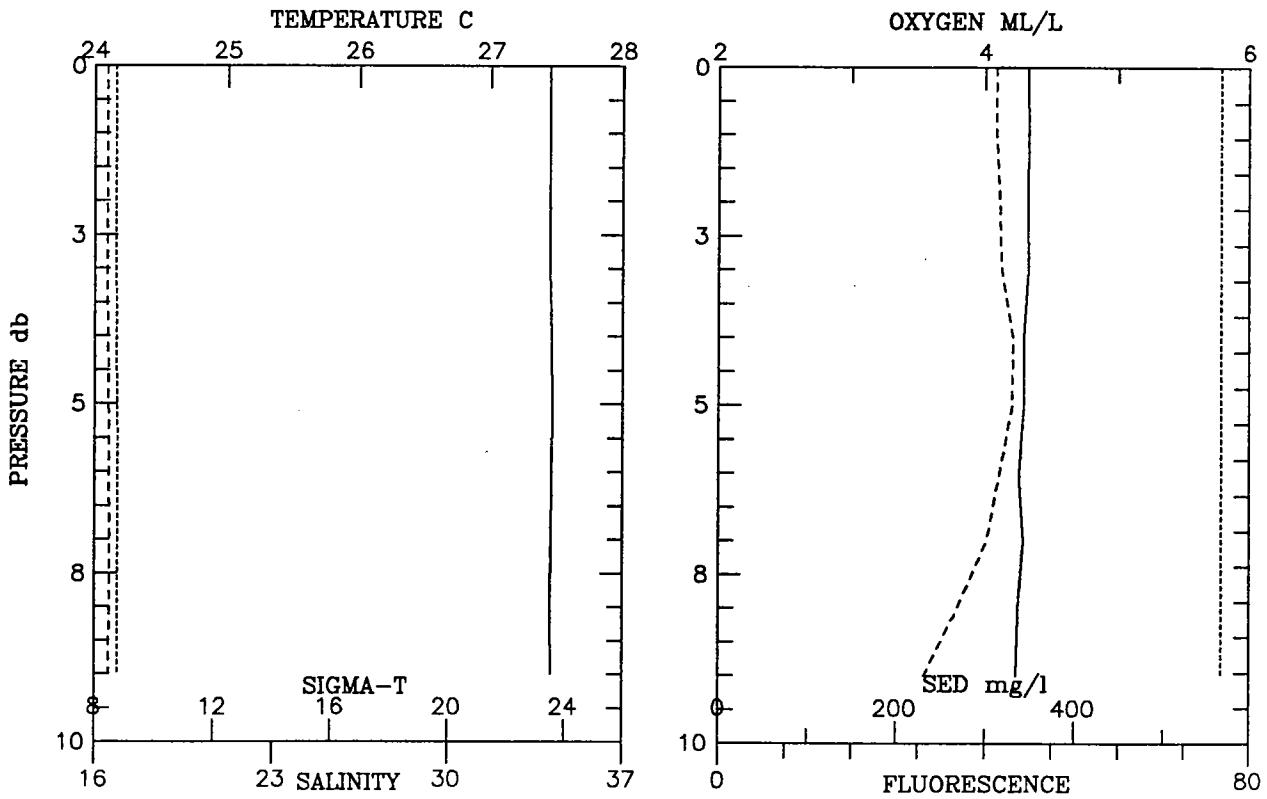
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.435	16.309	8.578	0.0000	4.307	43.9	567.0
1.0	E	27.435	16.309	8.578	0.0189	4.307	43.9	567.0
2.0		27.435	16.309	8.578	0.0377	4.308	43.9	567.0
3.0		27.434	16.313	8.581	0.0566	4.352	44.1	567.0
4.0		27.435	16.334	8.596	0.0754	4.275	44.5	567.0
5.0		27.436	16.344	8.604	0.0942	4.232	44.5	567.0
6.0		27.439	16.370	8.622	0.1130	4.085	43.3	567.0
7.0		27.441	16.384	8.632	0.1318	4.125	41.7	567.0
8.0		27.442	16.395	8.640	0.1506	4.141	40.1	567.0





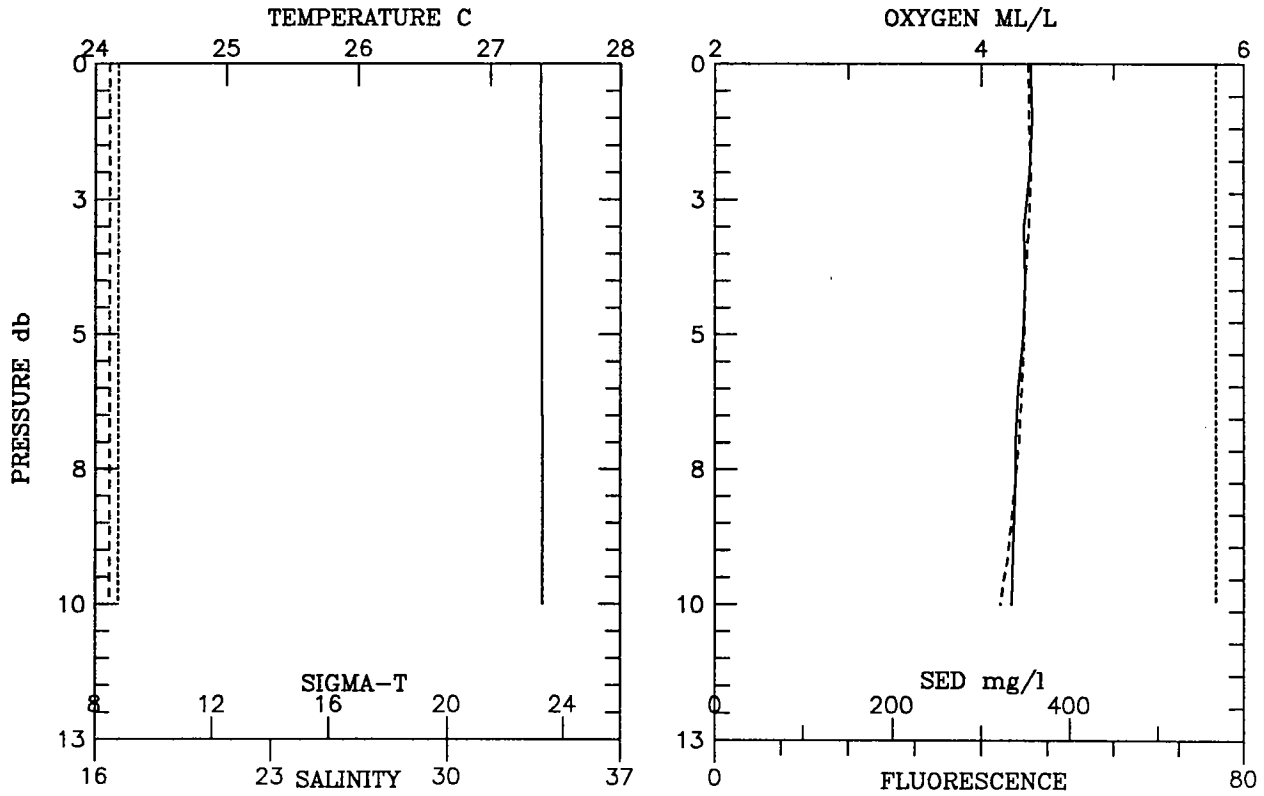
Cruise I9002 Leg 4 Station # 20.07 Depth m:11 Time: 1990-03-16 20:32  
 Position: 2° 53.44'N 50° 43.16'W Depth Deck Offset: -0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.443	16.482	8.705	0.0000	4.323	41.7	567.0
1.0		27.443	16.482	8.705	0.0187	4.324	41.7	567.0
2.0		27.443	16.483	8.705	0.0375	4.322	42.2	567.0
3.0		27.445	16.485	8.706	0.0562	4.324	42.5	567.0
4.0		27.460	16.510	8.720	0.0749	4.294	44.2	567.0
5.0		27.462	16.551	8.750	0.0936	4.291	44.1	567.0
6.0		27.459	16.573	8.767	0.1123	4.256	42.2	567.0
7.0		27.454	16.581	8.775	0.1309	4.285	40.3	567.0
8.0		27.451	16.578	8.774	0.1496	4.247	35.9	567.0
9.0		27.452	16.574	8.770	0.1683	4.233	31.0	567.0



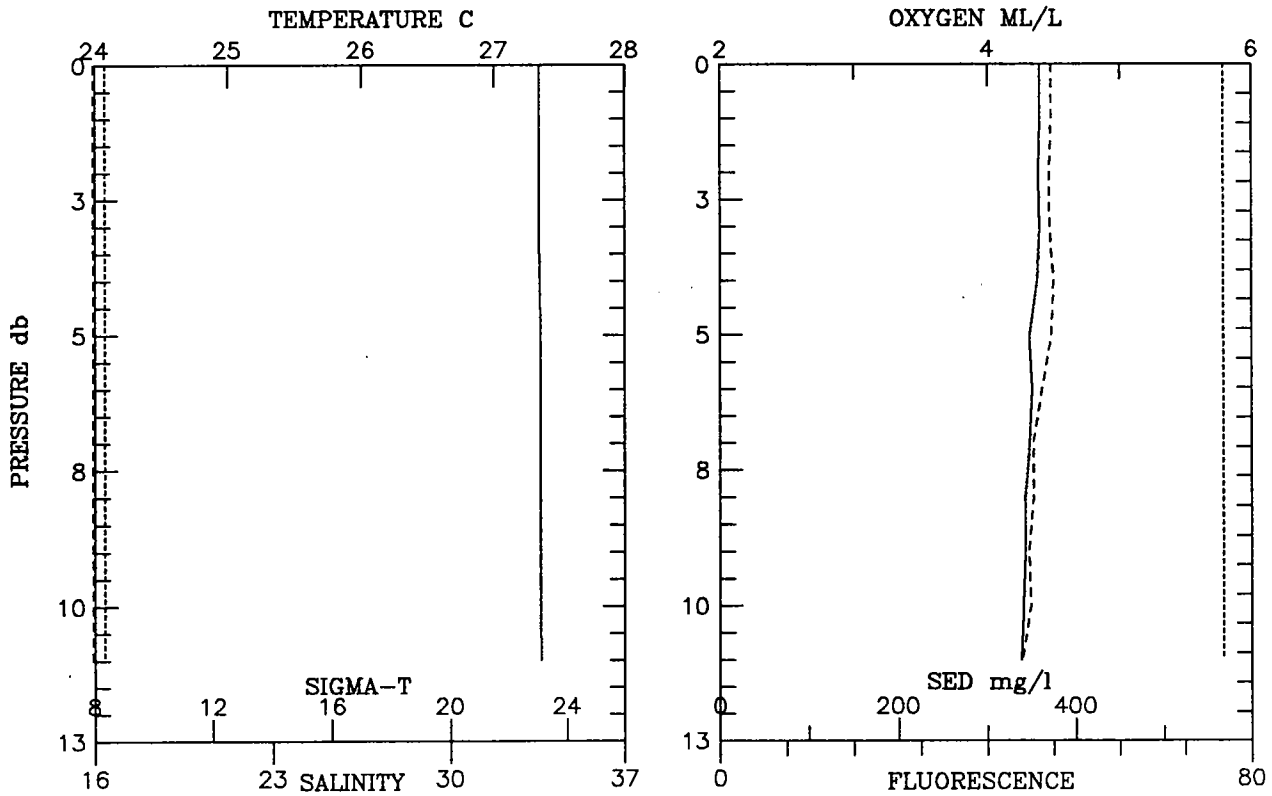
Cruise I9002 Leg 4 Station # 20.08 Depth m:12 Time: 1990-03-16 21:56  
 Position: 2° 53.50'N 50° 43.20'W Depth Deck Offset: -0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.381	16.596	8.808	0.0000	4.376	47.1	567.0
1.0	27.381	16.595	8.807	0.0186	4.385	47.2	567.0
2.0	27.385	16.596	8.807	0.0373	4.363	47.5	567.0
3.0	27.389	16.596	8.806	0.0559	4.323	47.2	567.0
4.0	27.391	16.596	8.805	0.0745	4.332	46.6	567.0
5.0	27.392	16.596	8.805	0.0931	4.317	46.5	567.0
6.0	27.392	16.594	8.803	0.1118	4.278	46.1	567.0
7.0	27.395	16.596	8.804	0.1304	4.258	45.7	567.0
8.0	27.396	16.596	8.804	0.1490	4.252	44.9	567.0
9.0	27.397	16.598	8.805	0.1677	4.238	44.1	567.0
10.0	27.398	16.599	8.805	0.1863	4.228	42.9	567.0



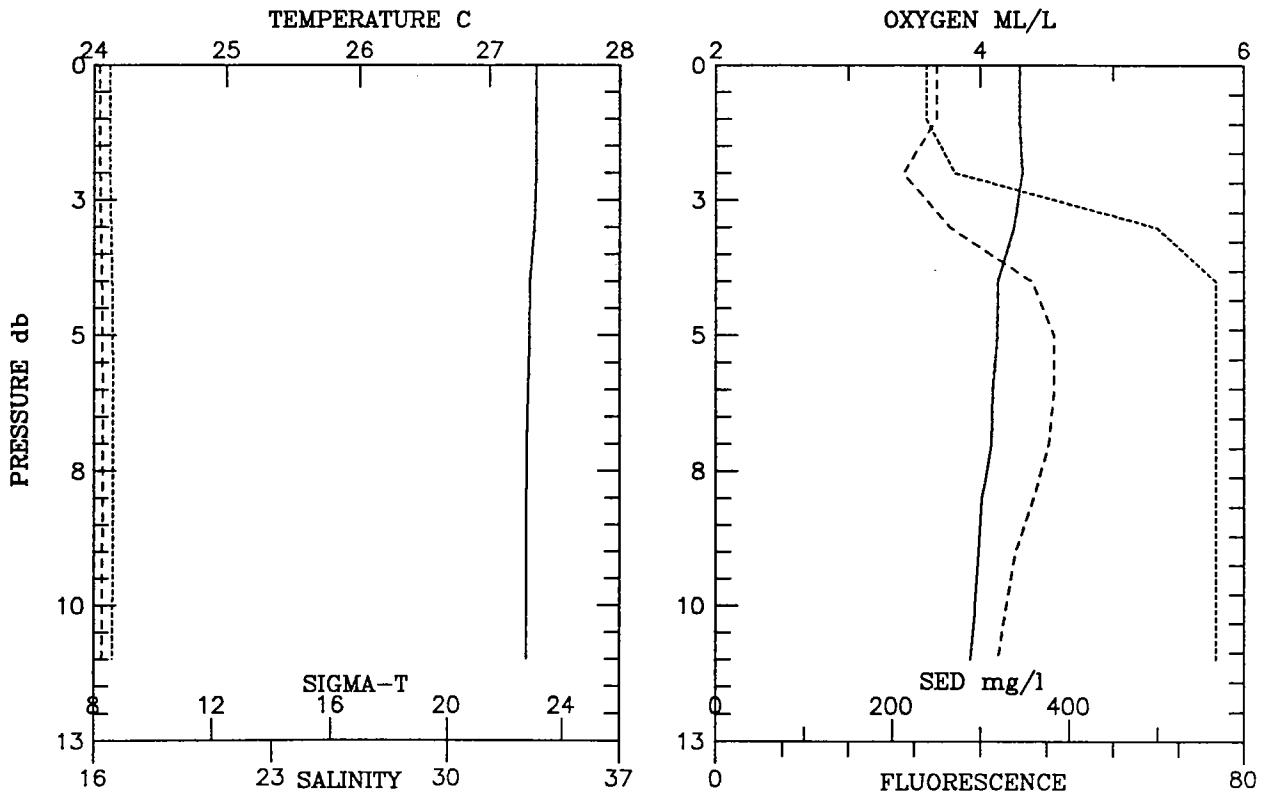
Cruise 19002 Leg 4 Station # 20.10 Depth m:14 Time: 1990-03-16 23:23  
 Position: 2° 53.04'N 50° 43.22'W Depth Deck Offset: -0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.344	15.939	8.329	0.0000	4.394	49.6	567.0
1.0		27.344	15.939	8.329	0.0191	4.394	49.6	567.0
2.0		27.342	15.939	8.329	0.0382	4.385	49.3	567.0
3.0		27.344	15.939	8.329	0.0573	4.393	49.4	567.0
4.0		27.347	15.940	8.329	0.0764	4.372	50.0	567.0
5.0		27.351	15.940	8.328	0.0955	4.319	49.6	567.0
6.0		27.353	15.940	8.327	0.1146	4.334	48.2	567.0
7.0		27.352	15.940	8.327	0.1337	4.314	46.9	567.0
8.0		27.353	15.940	8.327	0.1528	4.280	46.9	567.0
9.0		27.355	15.940	8.326	0.1719	4.281	46.2	567.0
10.0		27.354	15.940	8.327	0.1910	4.269	46.5	567.0
11.0		27.356	15.940	8.326	0.2101	4.253	45.2	567.0



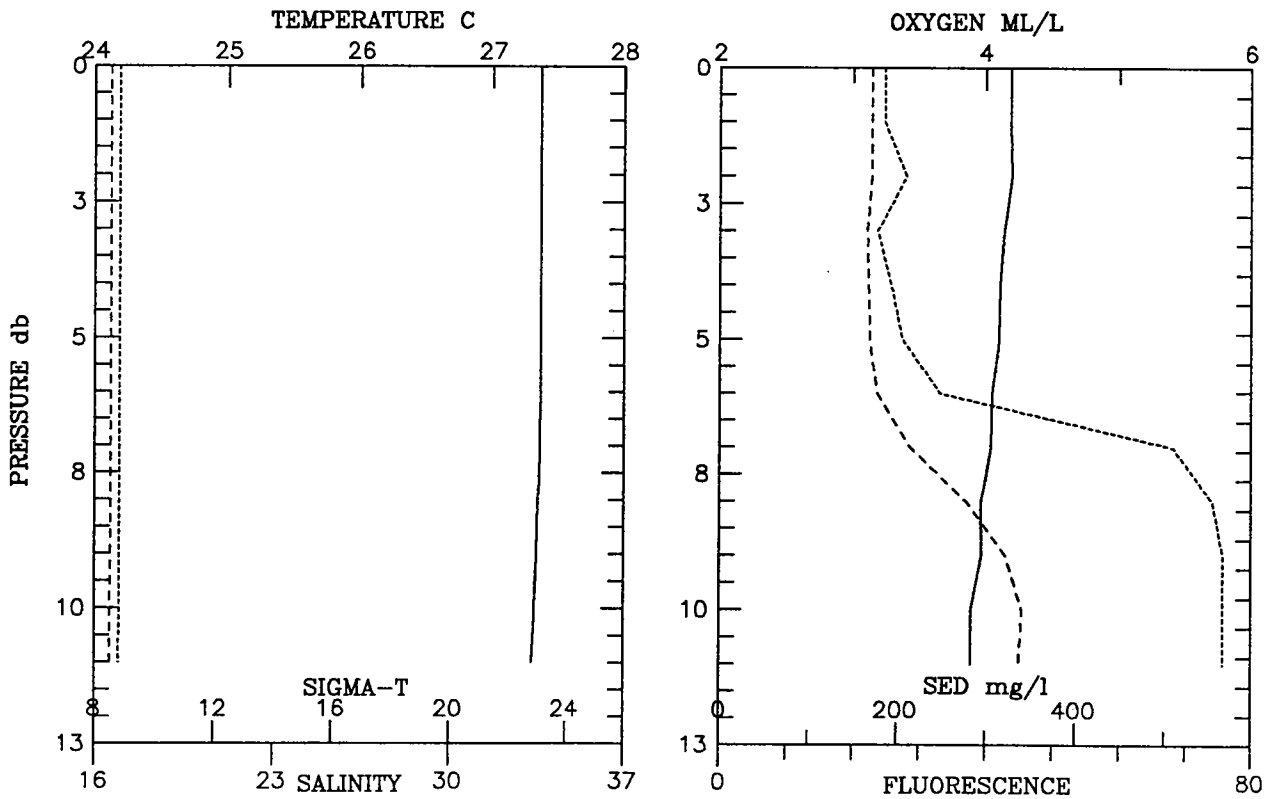
Cruise I9002 Leg 4 Station # 20.11 Depth m:14 Time: 1990-03-17 00:24  
 Position: 2° 53.50'N 50° 43.22'W Depth Deck Offset: -0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.357	16.234	8.545	0.0000	4.295	33.4	238.7
1.0		27.357	16.234	8.545	0.0189	4.296	33.4	238.7
2.0		27.357	16.244	8.553	0.0378	4.314	28.4	270.9
3.0		27.342	16.277	8.582	0.0566	4.251	35.4	499.6
4.0		27.310	16.323	8.625	0.0755	4.131	47.8	567.0
5.0		27.302	16.340	8.641	0.0943	4.127	51.1	567.0
6.0		27.295	16.352	8.652	0.1130	4.094	51.1	567.0
7.0		27.282	16.367	8.667	0.1318	4.081	50.3	567.0
8.0		27.279	16.363	8.665	0.1506	4.013	48.0	567.0
9.0		27.279	16.343	8.650	0.1694	3.988	45.3	567.0
10.0		27.279	16.335	8.644	0.1881	3.957	43.9	567.0
11.0		27.280	16.323	8.635	0.2069	3.923	42.6	567.0



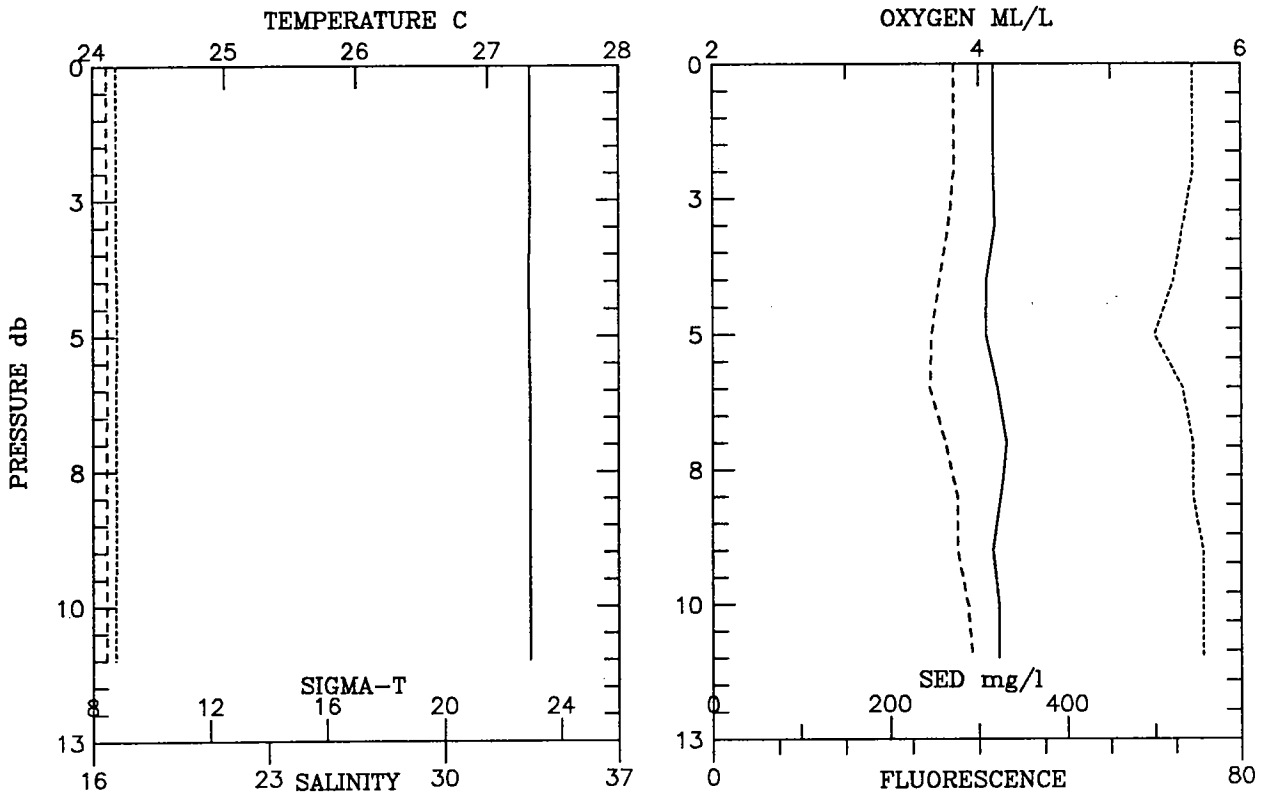
Cruise I9002 Leg 4 Station # 20.12 Depth m:14 Time: 1990-03-17 01:27  
 Position: 2° 53.50'N 50° 43.22'W Depth Deck Offset: -0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.364	16.611	8.825	0.0000	4.184	22.8	185.3
1.0		27.364	16.611	8.825	0.0186	4.184	22.8	185.3
2.0		27.361	16.611	8.825	0.0372	4.194	22.8	210.3
3.0		27.360	16.609	8.824	0.0558	4.135	22.2	177.7
4.0		27.360	16.609	8.824	0.0744	4.107	22.4	193.3
5.0		27.361	16.612	8.826	0.0930	4.098	22.6	205.9
6.0		27.361	16.617	8.830	0.1117	4.049	23.7	249.0
7.0		27.355	16.616	8.831	0.1303	4.038	28.7	510.2
8.0		27.344	16.612	8.831	0.1489	3.970	37.2	555.2
9.0		27.331	16.608	8.832	0.1675	3.973	43.0	567.0
10.0		27.316	16.594	8.826	0.1861	3.892	45.5	567.0
11.0		27.300	16.577	8.818	0.2047	3.896	45.0	567.0



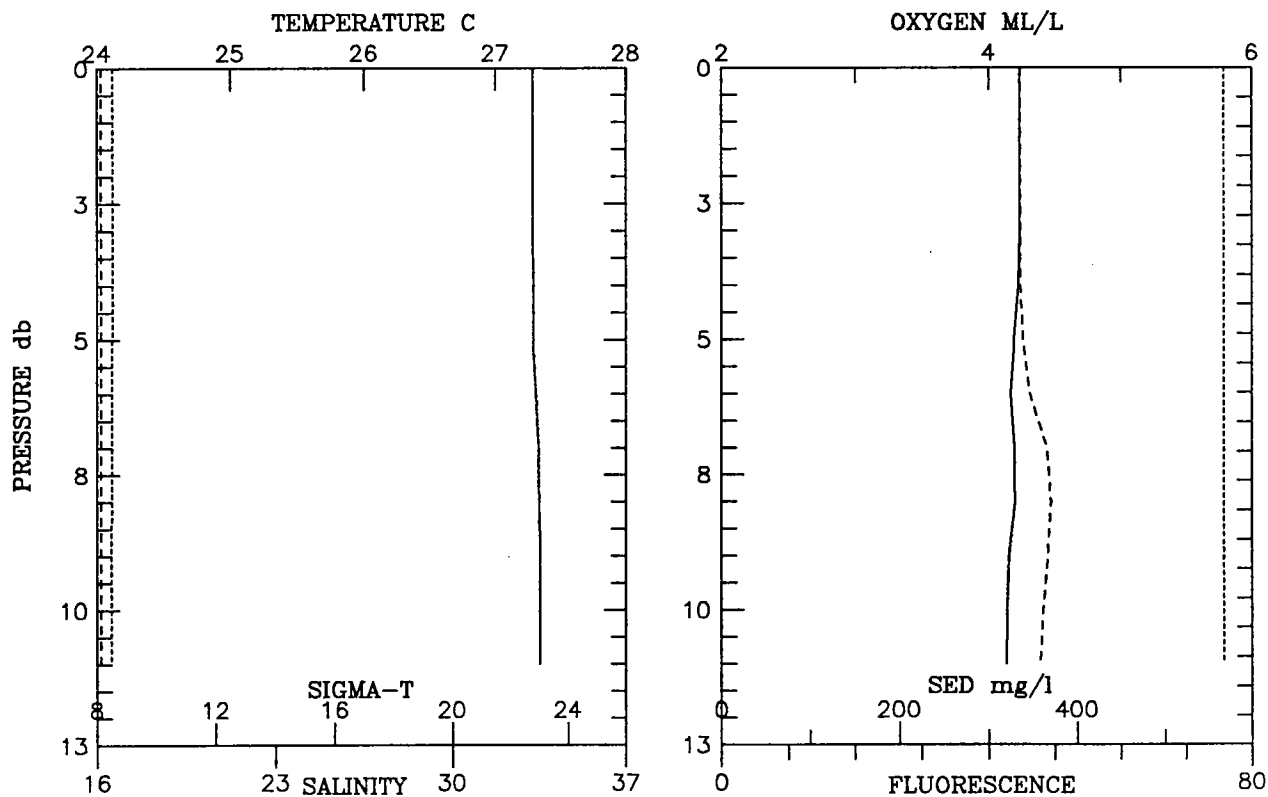
Cruise 19002 Leg 4 Station # 20.13 Depth m:14 Time: 1990-03-17 02:29  
 Position: 2° 53.50'N 50° 43.22'W Depth Deck Offset: -0.20 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 27.317	16.575	8.812	0.0000	4.111	36.3	543.6
1.0	E 27.316	16.574	8.811	0.0186	4.111	36.3	543.6
2.0	27.316	16.574	8.811	0.0372	4.112	36.3	543.6
3.0	27.316	16.579	8.815	0.0559	4.122	35.5	532.2
4.0	27.311	16.589	8.824	0.0745	4.059	34.1	521.1
5.0	27.312	16.594	8.827	0.0931	4.055	32.9	499.6
6.0	27.319	16.584	8.818	0.1117	4.141	32.7	532.2
7.0	27.319	16.573	8.809	0.1303	4.209	35.0	543.6
8.0	27.319	16.576	8.812	0.1489	4.167	36.8	543.6
9.0	27.319	16.566	8.804	0.1676	4.108	36.8	555.2
10.0	27.319	16.558	8.798	0.1862	4.152	38.4	555.2
11.0	27.320	16.553	8.794	0.2048	4.151	39.0	555.2



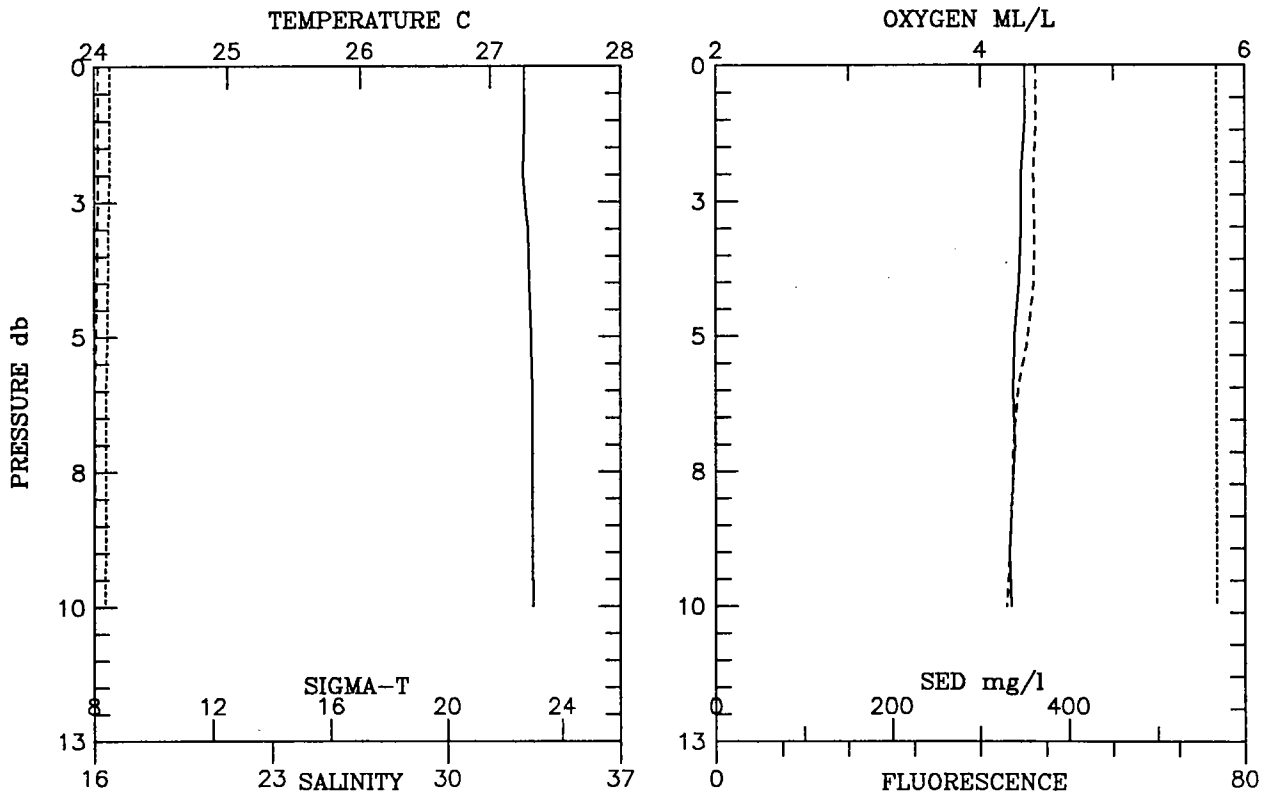
Cruise I9002 Leg 4 Station # 20.14 Depth m:13 Time: 1990-03-17 03:30  
 Position: 2° 52.90'N 50° 43.23'W Depth Deck Offset: -0.30 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.284	16.168	8.518	0.0000	4.233	44.8	567.0
1.0	E	27.284	16.167	8.517	0.0189	4.233	44.8	567.0
2.0	E	27.284	16.167	8.517	0.0378	4.234	44.8	567.0
3.0		27.284	16.167	8.517	0.0567	4.234	44.8	567.0
4.0		27.287	16.167	8.516	0.0756	4.224	44.8	567.0
5.0		27.292	16.166	8.514	0.0946	4.190	45.2	567.0
6.0		27.310	16.161	8.505	0.1135	4.167	46.2	567.0
7.0		27.329	16.158	8.497	0.1324	4.194	48.8	567.0
8.0		27.334	16.157	8.495	0.1513	4.199	49.4	567.0
9.0		27.338	16.157	8.493	0.1703	4.151	48.9	567.0
10.0		27.340	16.156	8.492	0.1892	4.136	48.2	567.0
11.0		27.340	16.156	8.492	0.2082	4.133	47.8	567.0



Cruise I9002 Leg 4 Station # 20.15 Depth m:13 Time: 1990-03-17 04:27  
 Position: 2° 52.91'N 50° 43.23'W Depth Deck Offset: -0.28 Fish 2

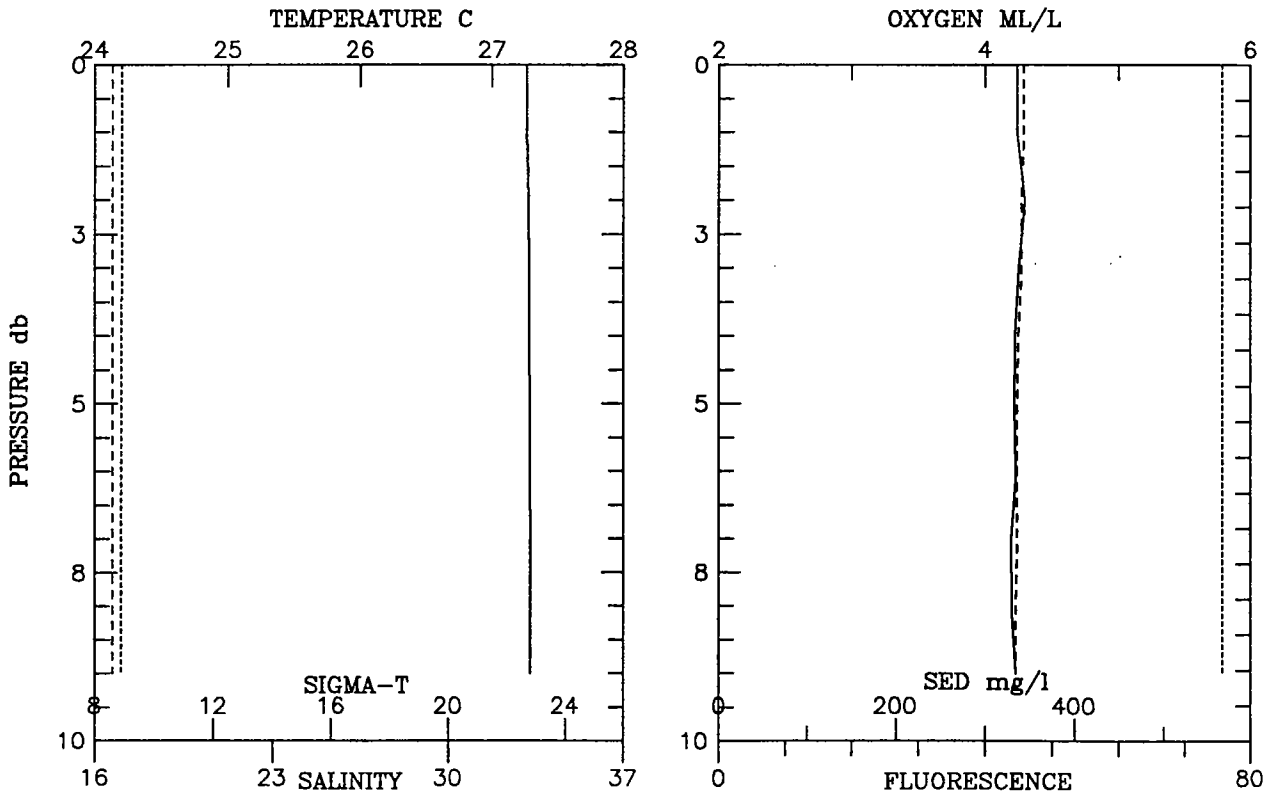
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.262	16.156	8.515	0.0000	4.334	48.4	567.0
1.0		27.261	16.156	8.515	0.0189	4.334	48.4	567.0
2.0		27.253	16.161	8.522	0.0378	4.307	48.0	567.0
3.0		27.288	16.129	8.487	0.0567	4.309	48.2	567.0
4.0		27.300	16.118	8.476	0.0757	4.294	48.1	567.0
5.0		27.312	16.079	8.443	0.0947	4.259	47.2	567.0
6.0		27.322	16.028	8.402	0.1137	4.250	45.7	567.0
7.0		27.322	16.034	8.406	0.1327	4.265	45.0	567.0
8.0		27.324	16.023	8.398	0.1517	4.238	44.8	567.0
9.0		27.326	16.005	8.384	0.1708	4.221	44.4	567.0
10.0		27.326	16.000	8.380	0.1898	4.234	44.0	567.0





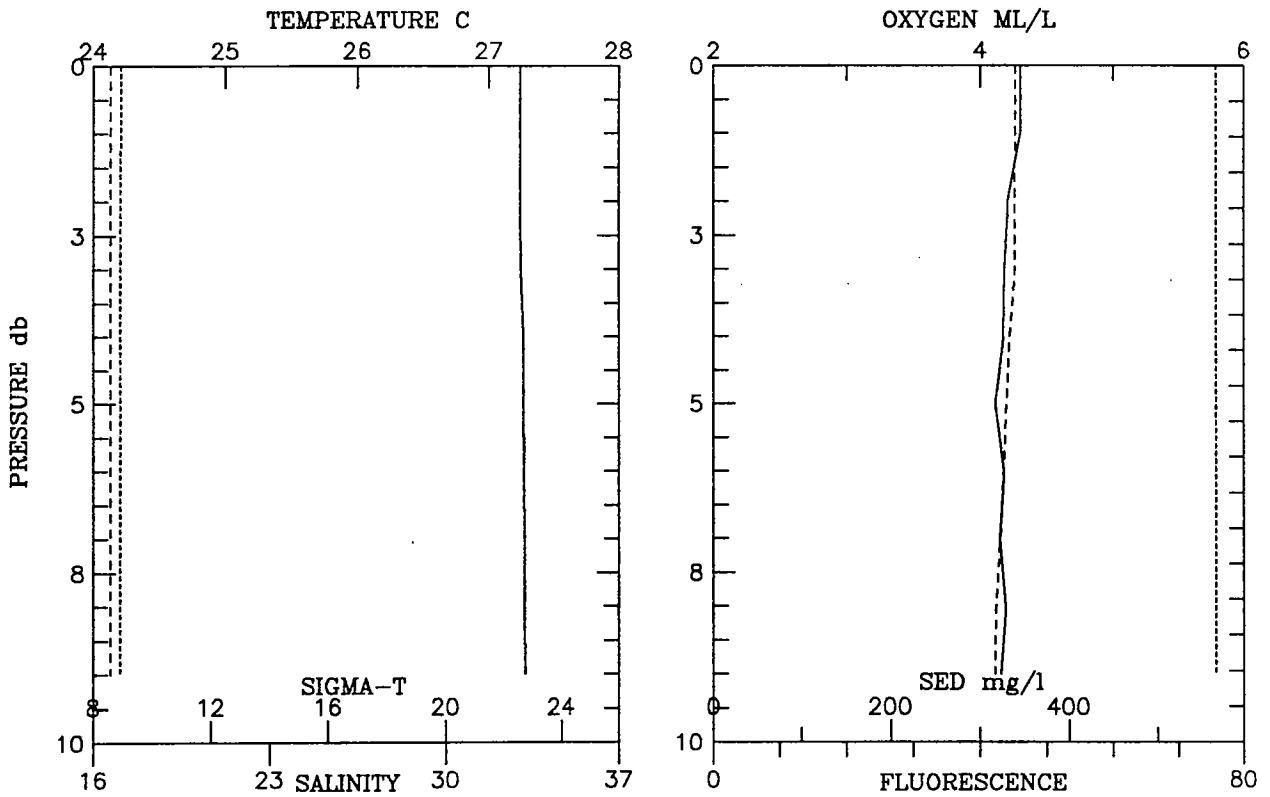
Cruise 19002 Leg 4 Station # 20.16 Depth m:12 Time: 1990-03-17 05:32  
 Position: 2° 52.90'N 50° 43.22'W Depth Deck Offset: -0.28 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.261	16.691	8.915	0.0000	4.239	45.8	567.0
1.0		27.261	16.691	8.915	0.0185	4.240	45.8	567.0
2.0		27.274	16.689	8.910	0.0370	4.295	45.4	567.0
3.0		27.279	16.688	8.907	0.0556	4.253	45.5	567.0
4.0		27.282	16.687	8.906	0.0741	4.222	45.0	567.0
5.0		27.283	16.686	8.905	0.0926	4.219	44.8	567.0
6.0		27.285	16.685	8.903	0.1112	4.229	44.8	567.0
7.0		27.288	16.684	8.902	0.1297	4.193	44.8	567.0
8.0		27.288	16.684	8.902	0.1482	4.201	44.6	567.0
9.0		27.288	16.684	8.902	0.1668	4.230	44.6	567.0



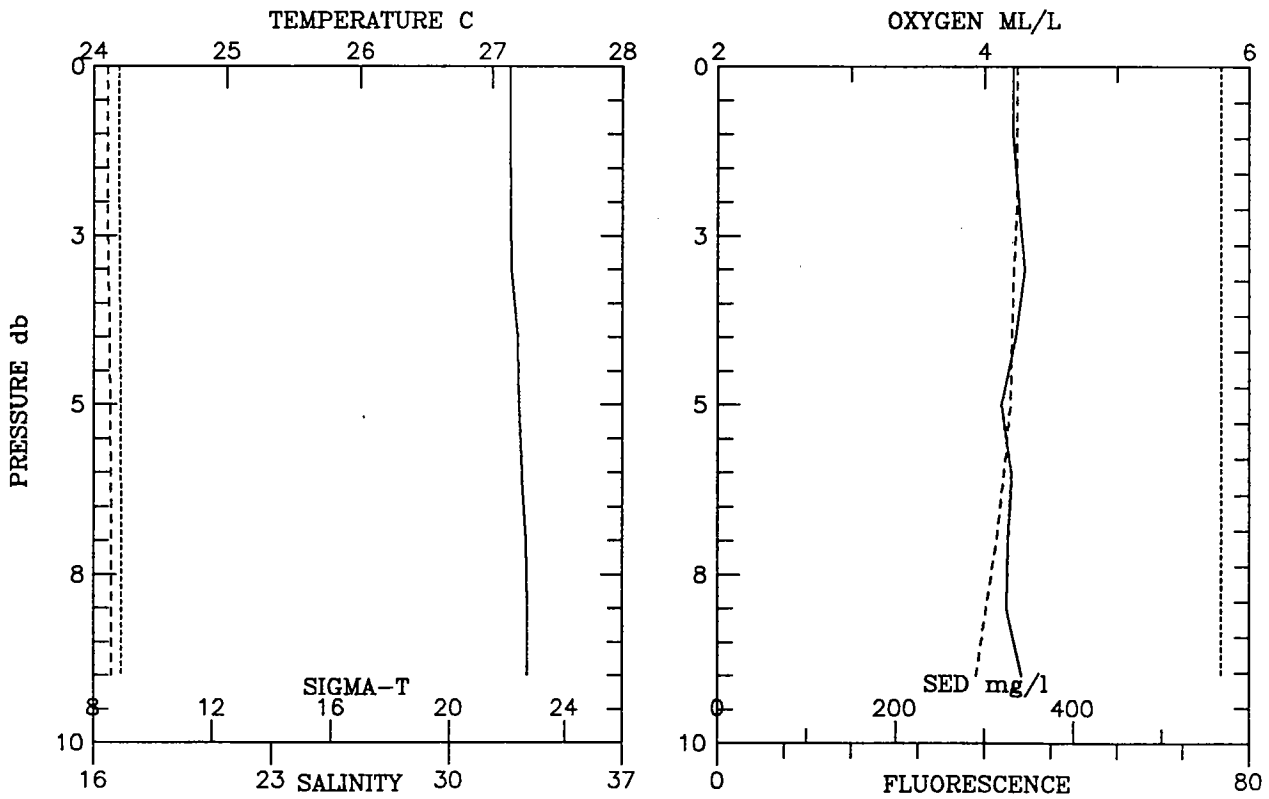
Cruise I9002 Leg 4 Station # 20.17 Depth m:11 Time: 1990-03-17 06:28  
 Position: 2° 52.89'N 50° 43.22'W Depth Deck Offset: -0.23 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.236	16.705	8.933	0.0000	4.301	45.3	567.0
1.0		27.236	16.705	8.933	0.0185	4.301	45.3	567.0
2.0		27.237	16.705	8.932	0.0370	4.206	45.1	567.0
3.0		27.241	16.704	8.930	0.0555	4.182	45.2	567.0
4.0		27.260	16.702	8.923	0.0740	4.170	44.4	567.0
5.0		27.261	16.701	8.922	0.0925	4.111	43.9	567.0
6.0		27.266	16.700	8.920	0.1110	4.174	43.5	567.0
7.0		27.270	16.699	8.918	0.1296	4.147	43.0	567.0
8.0		27.272	16.699	8.918	0.1481	4.191	42.4	567.0
9.0		27.272	16.698	8.917	0.1666	4.155	42.2	567.0



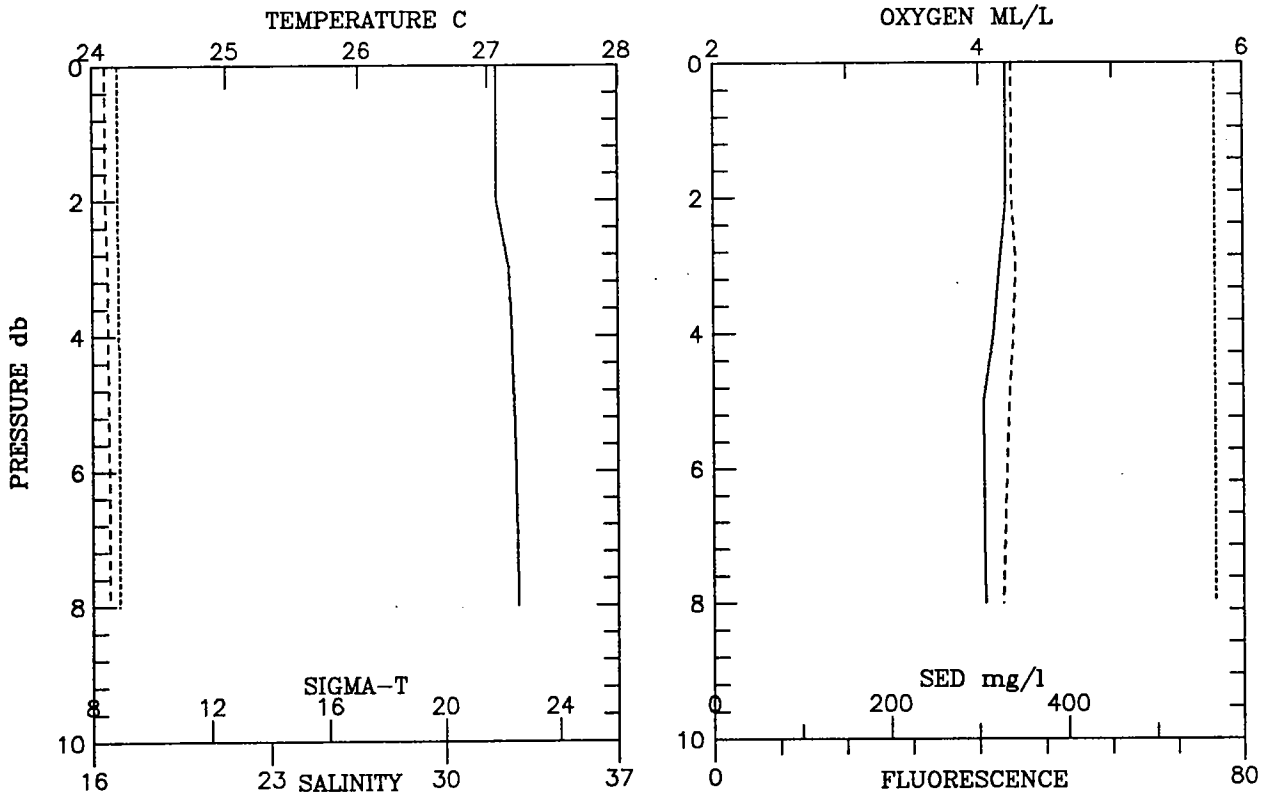
Cruise 19002 Leg 4 Station # 20.18 Depth m:10 Time: 1990-03-17 07:27  
 Position: 2° 52.91'N 50° 43.26'W Depth Deck Offset: -0.43 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.133	16.532	8.834	0.0000	4.214	44.9	567.0
1.0		27.133	16.532	8.834	0.0186	4.214	44.9	567.0
2.0		27.140	16.542	8.840	0.0372	4.261	44.9	567.0
3.0		27.146	16.564	8.854	0.0558	4.304	44.4	567.0
4.0		27.191	16.620	8.883	0.0743	4.236	44.1	567.0
5.0		27.204	16.635	8.890	0.0929	4.127	43.9	567.0
6.0		27.224	16.662	8.904	0.1114	4.201	42.9	567.0
7.0		27.255	16.699	8.923	0.1300	4.174	41.8	567.0
8.0		27.264	16.702	8.922	0.1485	4.164	40.2	567.0
9.0		27.266	16.704	8.923	0.1670	4.278	38.8	567.0



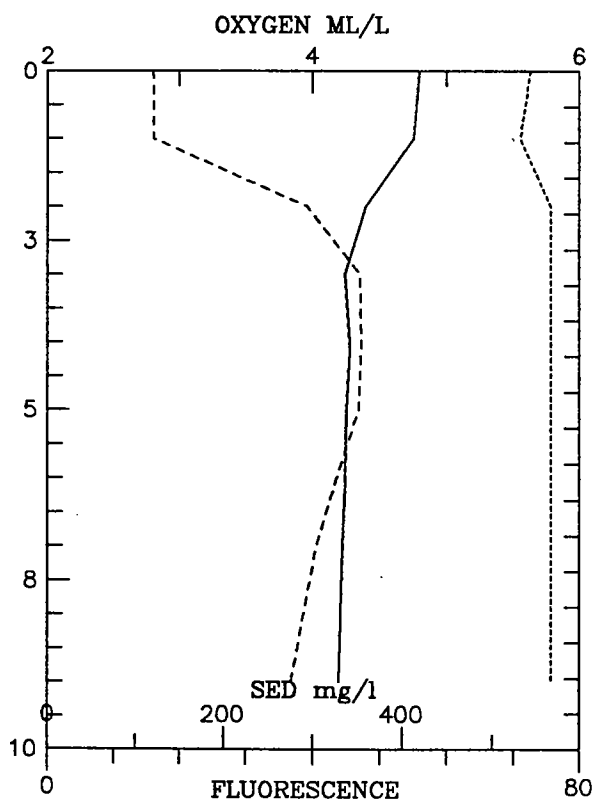
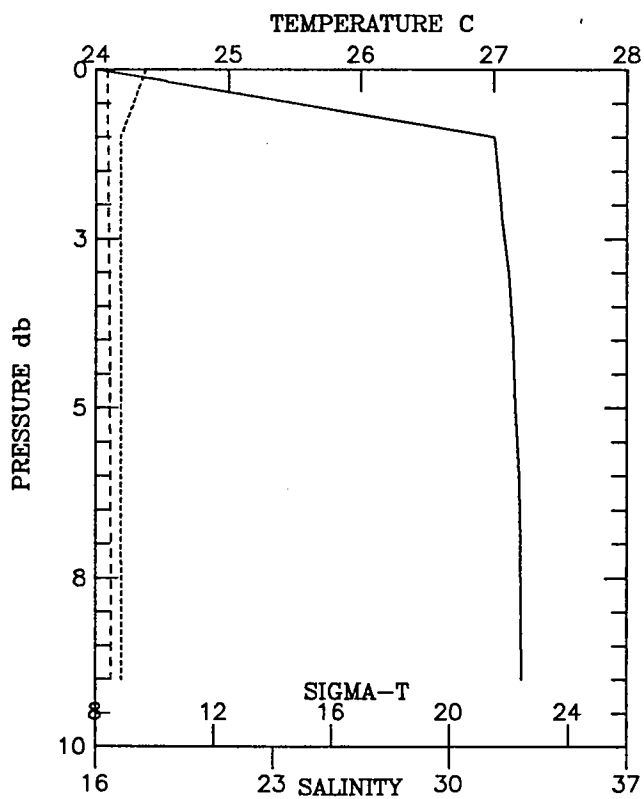
Cruise I9002 Leg 4 Station # 20.19 Depth m:10 Time: 1990-03-17 08:36  
 Position: 2° 52.86'N 50° 43.27'W Depth Deck Offset: -0.45 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (mL/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.067	16.517	8.843	0.0000	4.206	45.0	567.0
1.0	E	27.067	16.517	8.843	0.0186	4.206	45.0	567.0
2.0		27.067	16.517	8.843	0.0372	4.207	45.0	567.0
3.0		27.165	16.600	8.876	0.0558	4.157	45.6	567.0
4.0		27.188	16.623	8.886	0.0743	4.113	45.2	567.0
5.0		27.204	16.638	8.892	0.0929	4.033	44.6	567.0
6.0		27.219	16.654	8.900	0.1114	4.040	44.2	567.0
7.0		27.226	16.658	8.901	0.1299	4.041	43.9	567.0
8.0		27.233	16.665	8.904	0.1485	4.048	43.6	567.0



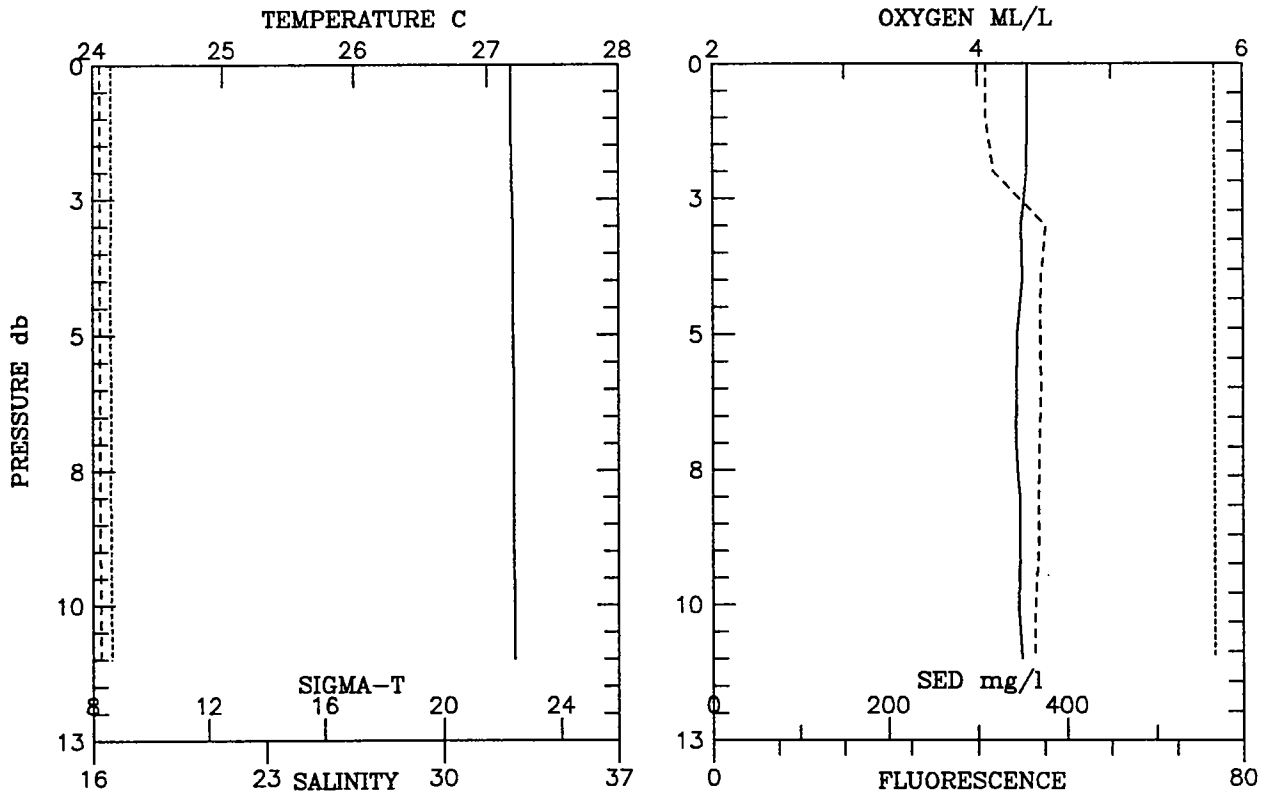
Cruise 19002 Leg 4 Station # 20.20 Depth m:11 Time: 1990-03-17 09:25  
 Position: 2° 52.84'N 50° 43.25'W Depth Deck Offset: -0.28 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	24.005	16.476	9.681	0.0000	4.795	16.1	543.6
1.0	27.005	16.477	8.831	0.0223	4.756	16.2	532.2
2.0	27.050	16.490	8.828	0.0409	4.399	39.3	567.0
3.0	27.110	16.527	8.838	0.0595	4.242	47.1	567.0
4.0	27.142	16.556	8.850	0.0781	4.277	47.3	567.0
5.0	27.160	16.570	8.855	0.0967	4.255	46.9	567.0
6.0	27.186	16.592	8.863	0.1153	4.243	43.6	567.0
7.0	27.198	16.602	8.867	0.1338	4.226	40.6	567.0
8.0	27.202	16.605	8.868	0.1524	4.208	38.7	567.0
9.0	27.205	16.607	8.869	0.1710	4.196	36.8	567.0



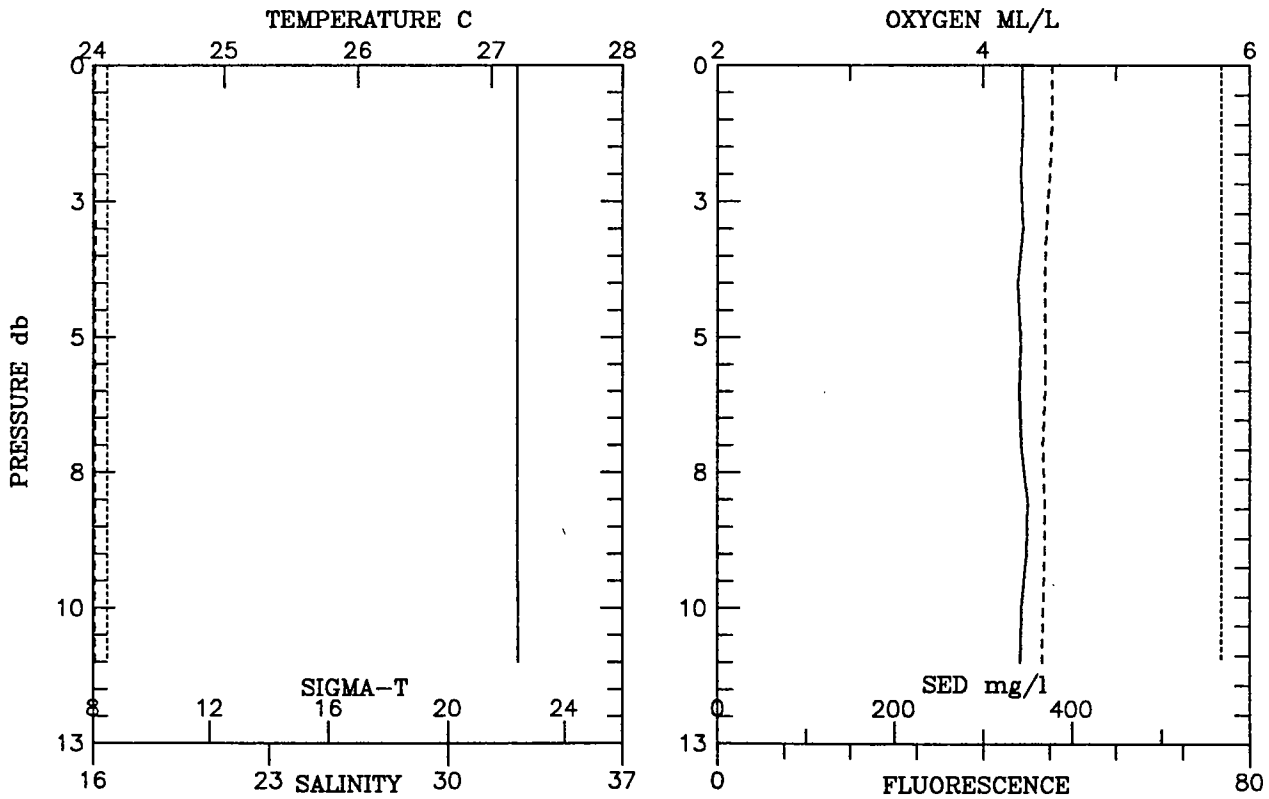
Cruise 19002 Leg 4 Station # 20.21 Depth m:13 Time: 1990-03-17 10:30  
 Position: 2° 52.71'N 50° 43.29'W Depth Deck Offset: -0.33 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.180	16.289	8.639	0.0000	4.377	41.3	567.0
1.0		27.180	16.289	8.639	0.0188	4.377	41.3	567.0
2.0		27.183	16.282	8.633	0.0376	4.369	42.4	567.0
3.0		27.194	16.277	8.626	0.0564	4.324	50.2	567.0
4.0		27.194	16.273	8.623	0.0752	4.337	49.5	567.0
5.0		27.194	16.275	8.624	0.0940	4.295	49.4	567.0
6.0		27.196	16.279	8.627	0.1128	4.293	49.5	567.0
7.0		27.196	16.279	8.627	0.1316	4.290	49.3	567.0
8.0		27.195	16.274	8.623	0.1504	4.318	49.1	567.0
9.0		27.198	16.293	8.637	0.1692	4.315	49.1	567.0
10.0		27.199	16.300	8.641	0.1880	4.306	48.6	567.0
11.0		27.201	16.312	8.650	0.2068	4.328	48.5	567.0



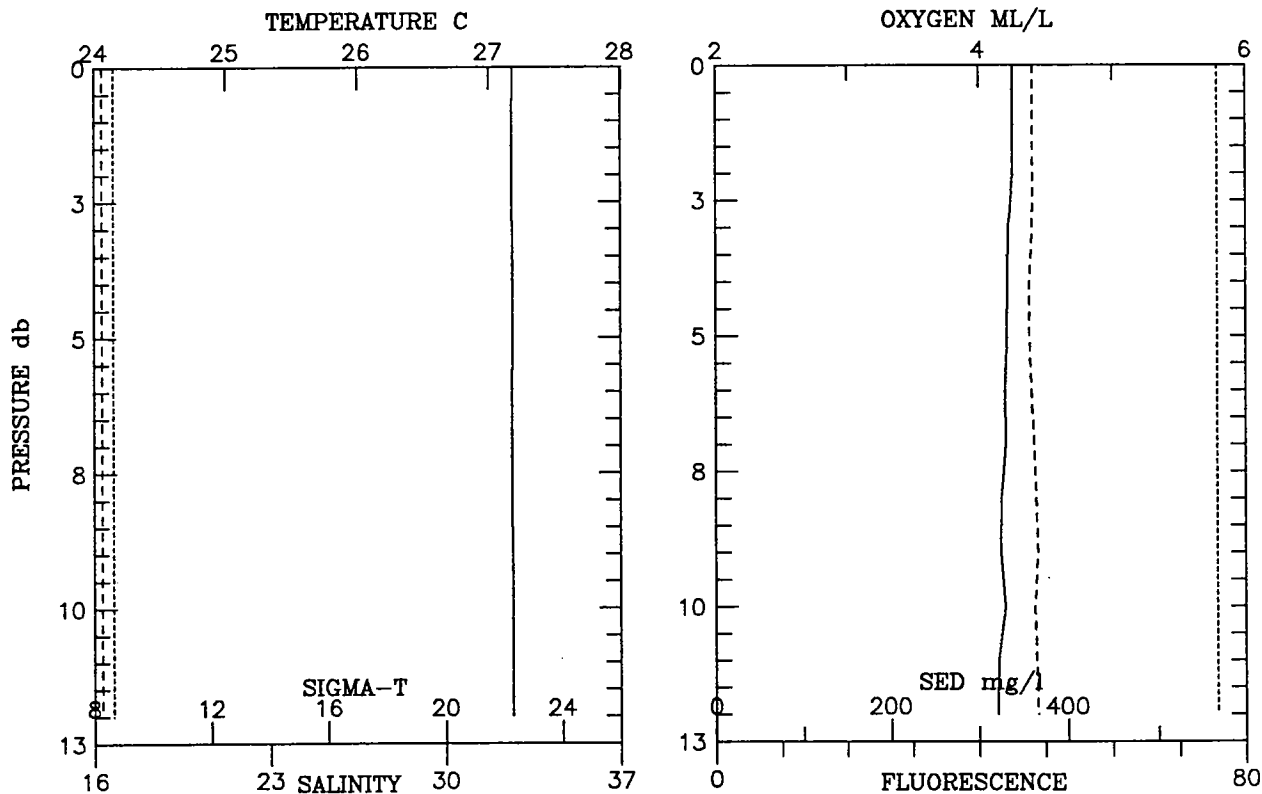
Cruise 19002 Leg 4 Station # 20.22 Depth m:13 Time: 1990-03-17 11:30  
 Position: 2° 52.53'N 50° 43.34'W Depth Deck Offset: -0.20 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.192	16.091	8.487	0.0000	4.298	50.4	567.0
1.0		27.192	16.091	8.488	0.0189	4.299	50.4	567.0
2.0		27.193	16.090	8.487	0.0379	4.290	50.1	567.0
3.0		27.192	16.097	8.492	0.0568	4.300	49.5	567.0
4.0		27.193	16.092	8.488	0.0758	4.264	49.3	567.0
5.0		27.194	16.087	8.484	0.0947	4.281	49.3	567.0
6.0		27.194	16.092	8.488	0.1136	4.275	49.3	567.0
7.0		27.194	16.091	8.487	0.1326	4.289	49.0	567.0
8.0		27.194	16.093	8.488	0.1515	4.338	49.2	567.0
9.0		27.195	16.085	8.482	0.1705	4.327	49.2	567.0
10.0		27.195	16.081	8.479	0.1894	4.289	49.0	567.0
11.0		27.195	16.082	8.480	0.2084	4.277	48.8	567.0



Cruise 19002 Leg 4 Station # 20.23 Depth m:13 Time: 1990-03-17 12:31  
 Position: 2° 52.48'N 50° 43.35'W Depth Deck Offset: -0.25 Fish 2

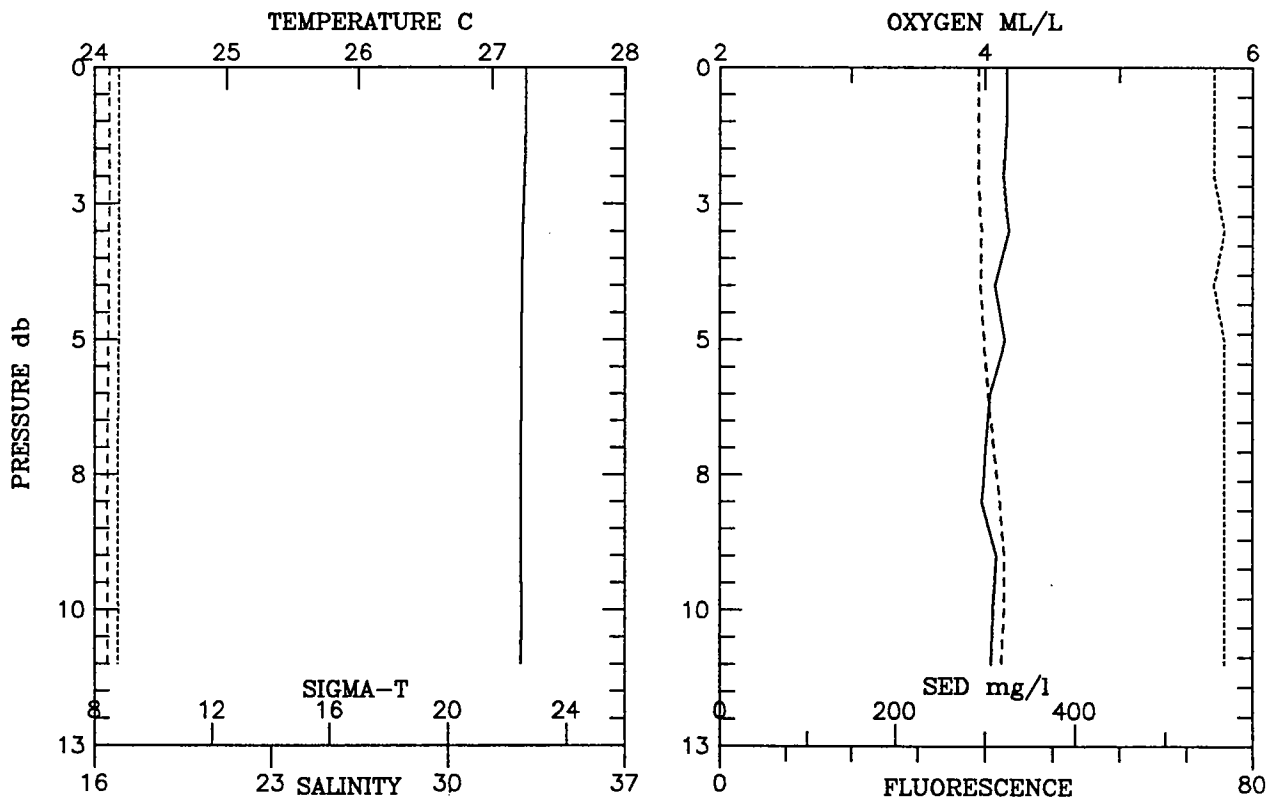
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.176	16.305	8.652	0.0000	4.260	48.2	567.0
1.0	E	27.176	16.305	8.652	0.0188	4.260	48.2	567.0
2.0		27.176	16.305	8.652	0.0376	4.261	48.2	567.0
3.0		27.178	16.305	8.651	0.0563	4.222	48.1	567.0
4.0		27.179	16.304	8.651	0.0751	4.218	47.7	567.0
5.0		27.177	16.305	8.652	0.0939	4.213	47.7	567.0
6.0		27.175	16.306	8.653	0.1127	4.202	48.0	567.0
7.0		27.176	16.307	8.654	0.1315	4.205	48.4	567.0
8.0		27.176	16.310	8.656	0.1502	4.170	48.7	567.0
9.0		27.176	16.311	8.656	0.1690	4.167	48.9	567.0
10.0		27.176	16.311	8.656	0.1878	4.200	48.5	567.0
11.0		27.177	16.312	8.657	0.2066	4.149	48.7	567.0
12.0		27.177	16.313	8.658	0.2253	4.144	48.9	567.0





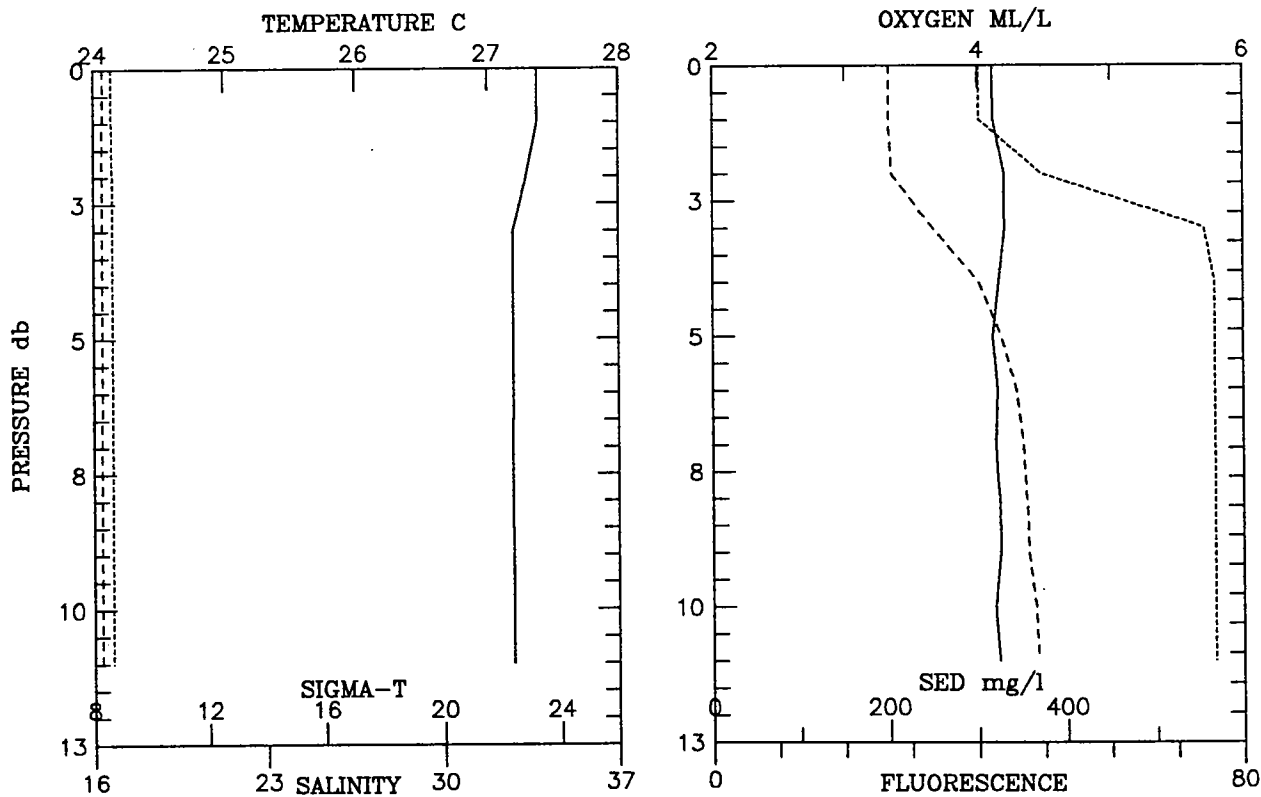
Cruise 19002 Leg 4 Station # 20.24 Depth m:14 Time: 1990-03-17 13:42  
 Position: 2° 52.49'N 50° 43.36'W Depth Deck Offset: -0.15 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.251	16.583	8.837	0.0000	4.161	39.0	555.2
1.0		27.250	16.583	8.837	0.0186	4.162	39.0	555.2
2.0		27.240	16.582	8.840	0.0372	4.136	39.0	555.2
3.0		27.228	16.575	8.838	0.0558	4.175	39.5	567.0
4.0		27.221	16.561	8.830	0.0744	4.072	39.4	555.2
5.0		27.219	16.551	8.823	0.0930	4.149	39.9	567.0
6.0		27.215	16.532	8.810	0.1116	4.041	40.5	567.0
7.0		27.213	16.509	8.793	0.1302	4.006	41.3	567.0
8.0		27.210	16.497	8.785	0.1489	3.977	42.2	567.0
9.0		27.212	16.509	8.794	0.1675	4.081	42.8	567.0
10.0		27.214	16.522	8.803	0.1862	4.059	42.8	567.0
11.0		27.212	16.505	8.791	0.2048	4.047	42.4	567.0



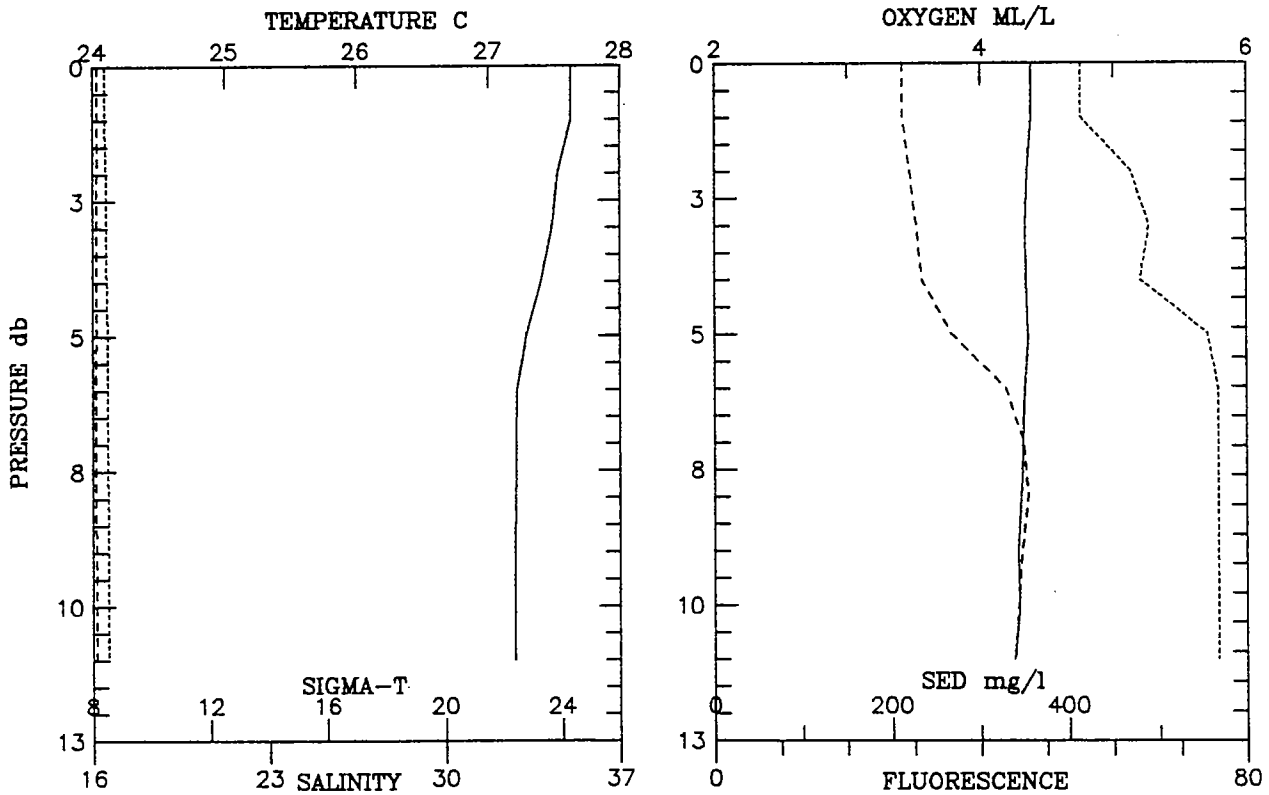
Cruise I9002 Leg 4 Station # 20.25 Depth m:14 Time: 1990-03-17 14:35  
 Position: 2° 52.53'N 50° 43.34'W Depth Deck Offset: -0.13 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.375	16.348	8.625	0.0000	4.115	26.7	301.1
1.0	27.375	16.348	8.625	0.0188	4.116	26.7	301.1
2.0	27.294	16.343	8.645	0.0376	4.201	27.1	371.8
3.0	27.194	16.330	8.665	0.0564	4.203	33.3	555.2
4.0	27.192	16.328	8.664	0.0751	4.159	40.2	567.0
5.0	27.193	16.327	8.664	0.0939	4.111	43.5	567.0
6.0	27.191	16.325	8.663	0.1127	4.147	45.8	567.0
7.0	27.190	16.324	8.662	0.1314	4.133	46.8	567.0
8.0	27.190	16.323	8.661	0.1502	4.160	47.3	567.0
9.0	27.191	16.321	8.660	0.1690	4.166	47.6	567.0
10.0	27.194	16.316	8.655	0.1878	4.129	48.6	567.0
11.0	27.195	16.314	8.653	0.2065	4.156	49.0	567.0



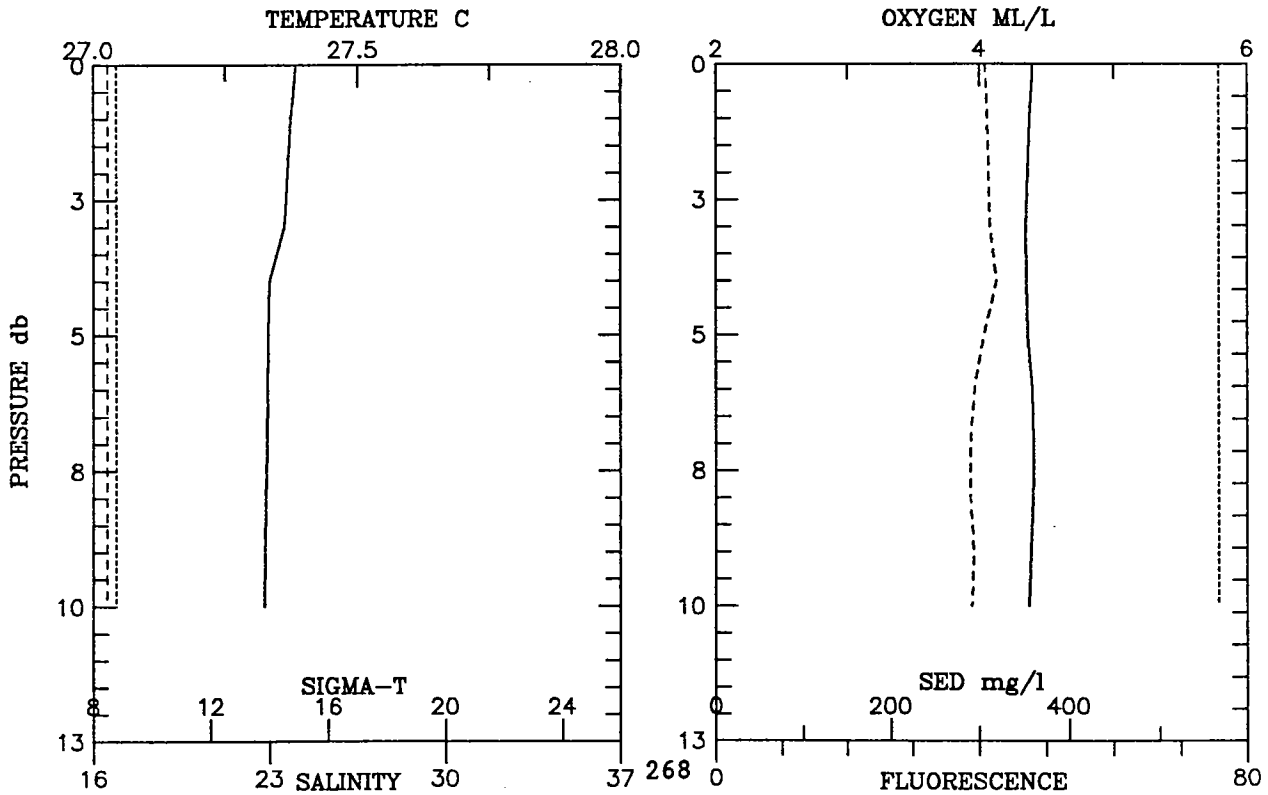
Cruise 19002 Leg 4 Station # 20.26 Depth m:14 Time: 1990-03-17 15:27  
 Position: 2° 52.54'N 50° 43.34'W Depth Deck Offset: 0.13 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 27.625	16.175	8.420	0.0000	4.382	28.3	413.2
1.0	27.625	16.175	8.420	0.0190	4.383	28.3	413.2
2.0	27.522	16.172	8.450	0.0380	4.355	29.4	468.9
3.0	27.480	16.161	8.454	0.0570	4.341	30.4	489.1
4.0	27.396	16.158	8.477	0.0759	4.348	31.2	478.9
5.0	27.285	16.145	8.500	0.0949	4.358	35.7	555.2
6.0	27.214	16.125	8.506	0.1138	4.338	43.8	567.0
7.0	27.205	16.126	8.510	0.1327	4.320	46.6	567.0
8.0	27.202	16.132	8.515	0.1516	4.309	47.2	567.0
9.0	27.197	16.146	8.527	0.1706	4.281	46.3	567.0
10.0	27.198	16.143	8.525	0.1895	4.291	45.7	567.0
11.0	27.197	16.149	8.529	0.2084	4.251	45.2	567.0



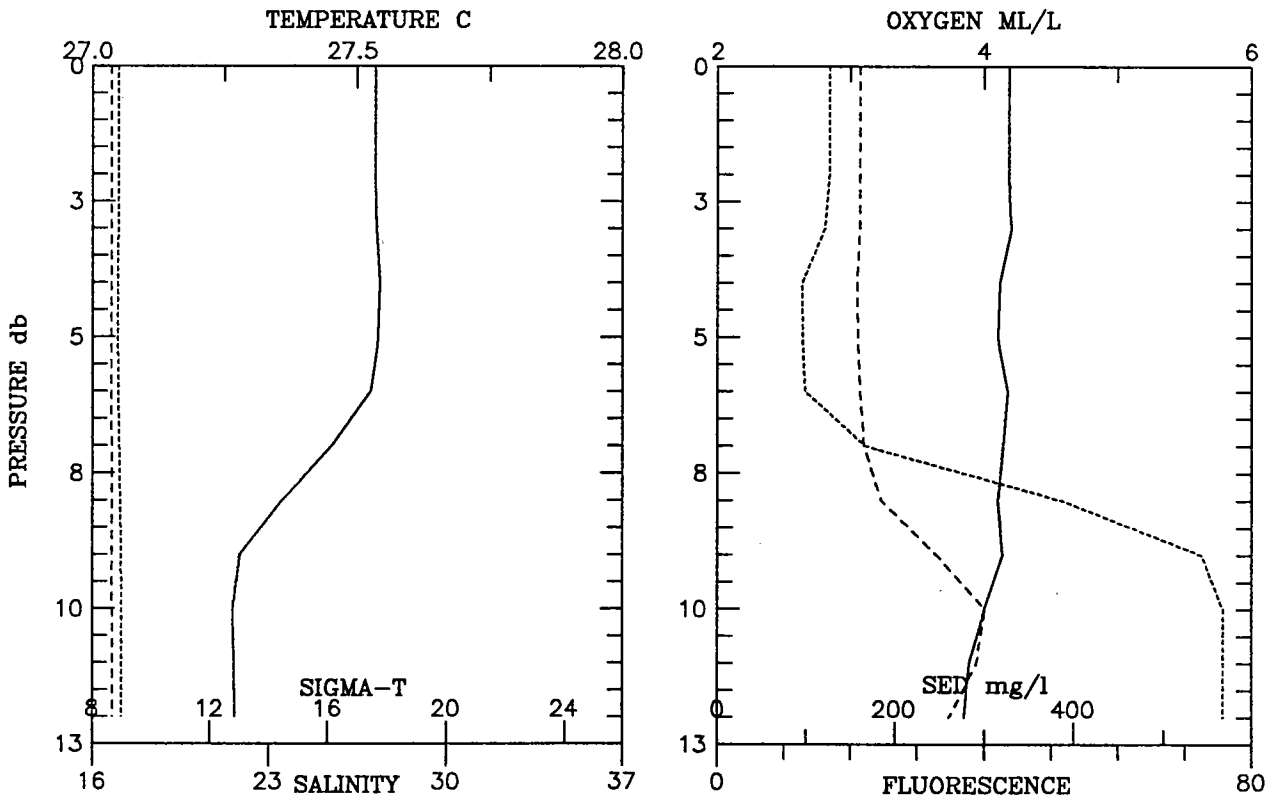
Cruise I9002 Leg 4 Station # 21.00 Depth m:11 Time: 1990-03-17 19:52  
 Position: 2° 52.60'N 50° 43.24'W Depth Deck Offset: 1.12 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0		27.383	16.568	8.787	0.0000	4.395	40.9	567.0
1.0	*	27.374	16.565	8.787	0.0186	4.376	41.2	567.0
2.0	*	27.368	16.563	8.788	0.0373	4.362	41.4	567.0
3.0		27.361	16.562	8.789	0.0559	4.348	41.6	567.0
4.0		27.334	16.546	8.785	0.0746	4.351	42.6	567.0
5.0		27.331	16.542	8.783	0.0932	4.361	40.7	567.0
6.0		27.330	16.539	8.781	0.1119	4.396	39.3	567.0
7.0		27.328	16.538	8.781	0.1305	4.403	38.7	567.0
8.0		27.326	16.535	8.779	0.1492	4.399	38.7	567.0
9.0		27.325	16.534	8.779	0.1678	4.383	39.2	567.0
10.0		27.324	16.531	8.777	0.1865	4.369	38.9	567.0



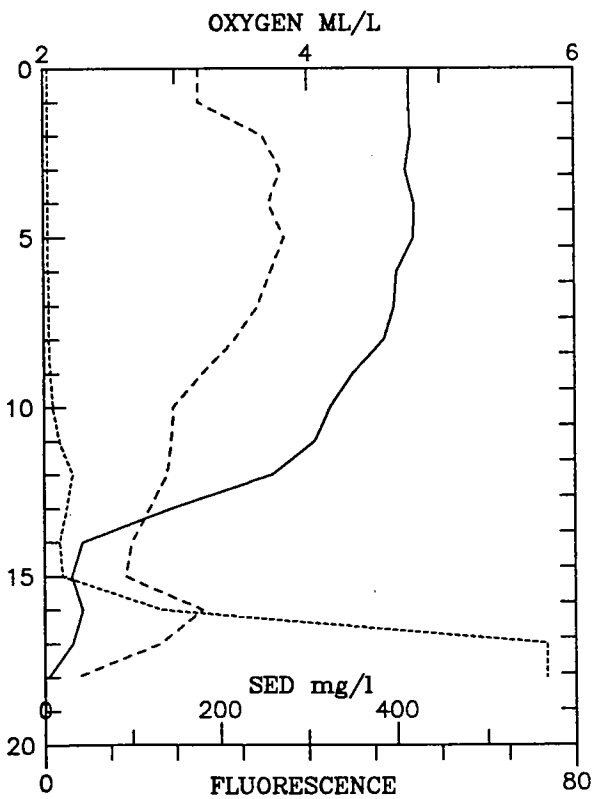
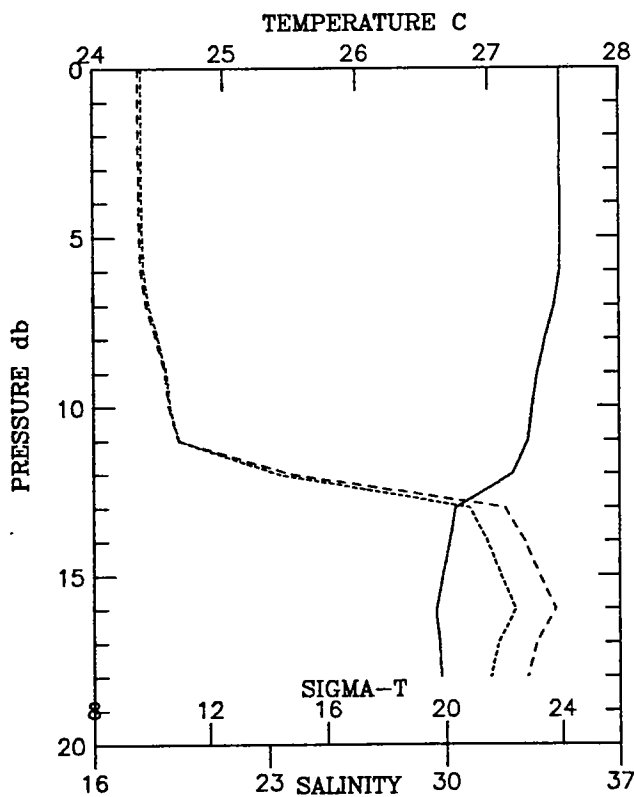
Cruise 19002 Leg 4 Station # 22.00 Depth m:14 Time: 1990-03-17 21:18  
 Position: 3° 1.80'N 50° 29.40'W Depth Deck Offset: 0.20 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.534	16.740	8.870	0.0000	4.185	21.5	126.8
1.0	E	27.534	16.740	8.870	0.0186	4.186	21.5	126.8
2.0		27.534	16.740	8.870	0.0371	4.186	21.5	126.8
3.0		27.536	16.738	8.868	0.0557	4.205	21.5	121.5
4.0		27.542	16.736	8.864	0.0743	4.117	21.1	95.7
5.0		27.539	16.736	8.865	0.0928	4.105	21.2	96.1
6.0		27.525	16.741	8.873	0.1114	4.177	21.5	99.3
7.0		27.452	16.756	8.906	0.1299	4.139	22.1	166.8
8.0		27.359	16.762	8.939	0.1485	4.103	24.7	387.8
9.0		27.279	16.766	8.966	0.1669	4.137	33.0	543.6
10.0		27.266	16.785	8.984	0.1854	4.001	40.1	567.0
11.0		27.268	16.798	8.993	0.2039	3.891	38.9	567.0
12.0		27.270	16.801	8.995	0.2223	3.853	34.8	567.0



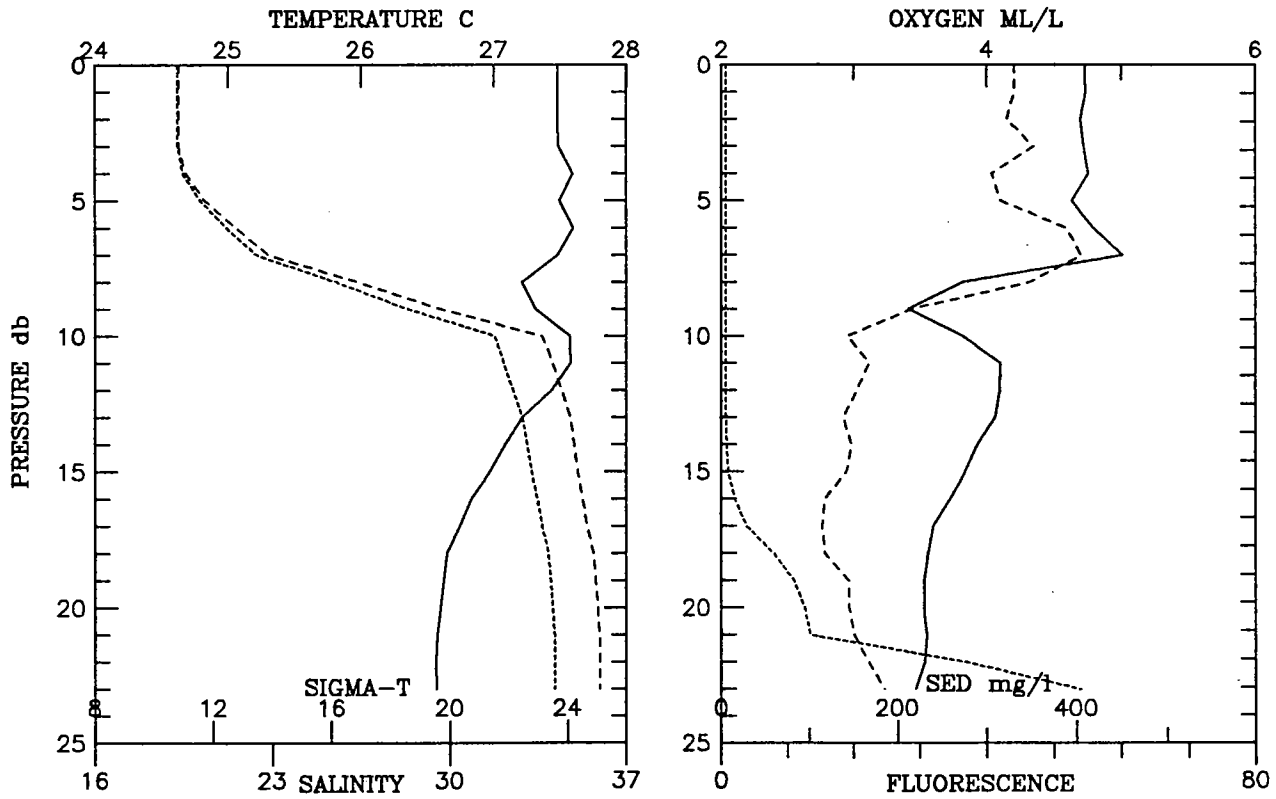
Cruise 19002 Leg 4 Station # 23.00 Depth m:16 Time: 1990-03-17 23:09  
 Position: 3° 6.41'N 50° 18.42'W Depth Deck Offset: 0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.543	17.874	9.714	0.0000	4.771	23.6	5.0
1.0		27.543	17.874	9.714	0.0177	4.772	23.6	5.0
2.0		27.545	17.874	9.713	0.0355	4.781	33.3	5.0
3.0		27.541	17.875	9.715	0.0532	4.742	36.0	4.9
4.0		27.545	17.880	9.717	0.0709	4.806	34.2	4.9
5.0		27.545	17.907	9.737	0.0887	4.800	36.5	5.0
6.0		27.541	17.956	9.775	0.1064	4.673	34.5	5.1
7.0		27.497	18.173	9.951	0.1240	4.656	32.5	5.3
8.0		27.427	18.578	10.274	0.1413	4.578	29.0	5.6
9.0		27.367	18.928	10.554	0.1584	4.342	24.1	7.1
10.0		27.327	19.074	10.675	0.1752	4.172	19.7	9.7
11.0		27.294	19.459	10.972	0.1919	4.052	19.4	17.2
12.0		27.178	23.947	14.364	0.2067	3.736	18.7	32.1
13.0		26.741	32.363	20.817	0.2168	2.966	16.1	25.3
14.0		26.698	33.169	21.437	0.2235	2.289	13.3	17.3
15.0		26.645	33.746	21.888	0.2296	2.208	12.4	20.3
16.0		26.597	34.398	22.394	0.2353	2.291	24.0	135.0
17.0		26.620	33.618	21.799	0.2411	2.212	17.7	567.0
18.0		26.631	33.271	21.535	0.2472	2.028	4.7	567.0



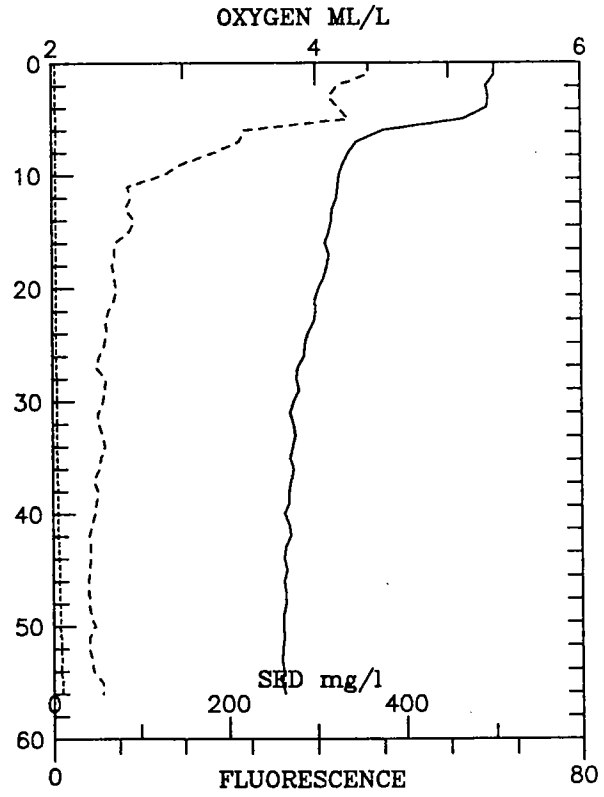
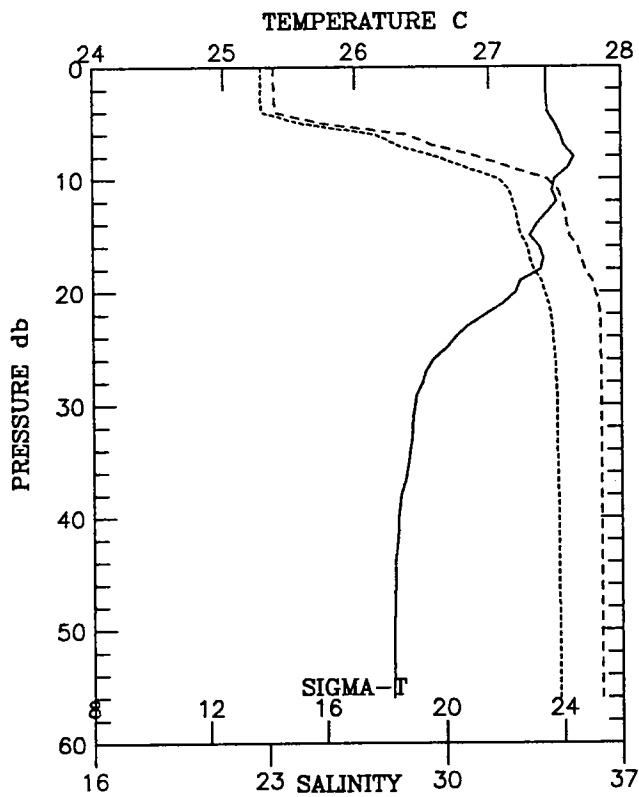
Cruise I9002 Leg 4 Station # 24.00 Depth m:25 Time: 1990-03-18 01:12  
 Position: 3° 12.24'N 50° 6.32'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.477	19.303	10.801	0.0000	4.735	44.1	4.6
2.0		27.479	19.304	10.801	0.0333	4.699	43.0	4.6
4.0		27.589	19.589	10.980	0.0666	4.756	40.8	4.6
6.0		27.596	21.562	12.452	0.0983	4.796	51.9	4.6
8.0		27.212	26.380	16.176	0.1256	3.829	46.4	4.9
10.0		27.569	33.663	21.531	0.1436	3.823	19.1	4.7
12.0		27.434	34.426	22.149	0.1556	4.096	20.6	4.5
14.0		27.086	34.923	22.634	0.1664	3.935	19.7	6.0
16.0		26.829	35.261	22.971	0.1766	3.729	15.7	15.1
18.0		26.645	35.691	23.354	0.1861	3.566	15.7	59.0
20.0		26.593	35.858	23.496	0.1950	3.533	19.4	95.0
22.0		26.563	35.946	23.572	0.2037	3.541	22.3	276.7
23.0		26.565	35.938	23.565	0.2081	3.470	24.7	404.5



Cruise 19002 Leg 4 Station # 25.00 Depth m:57 Time: 1990-03-18 02:49  
 Position: 3° 16.40'N 49° 59.90'W Depth Deck Offset: -0.05 Fish 2

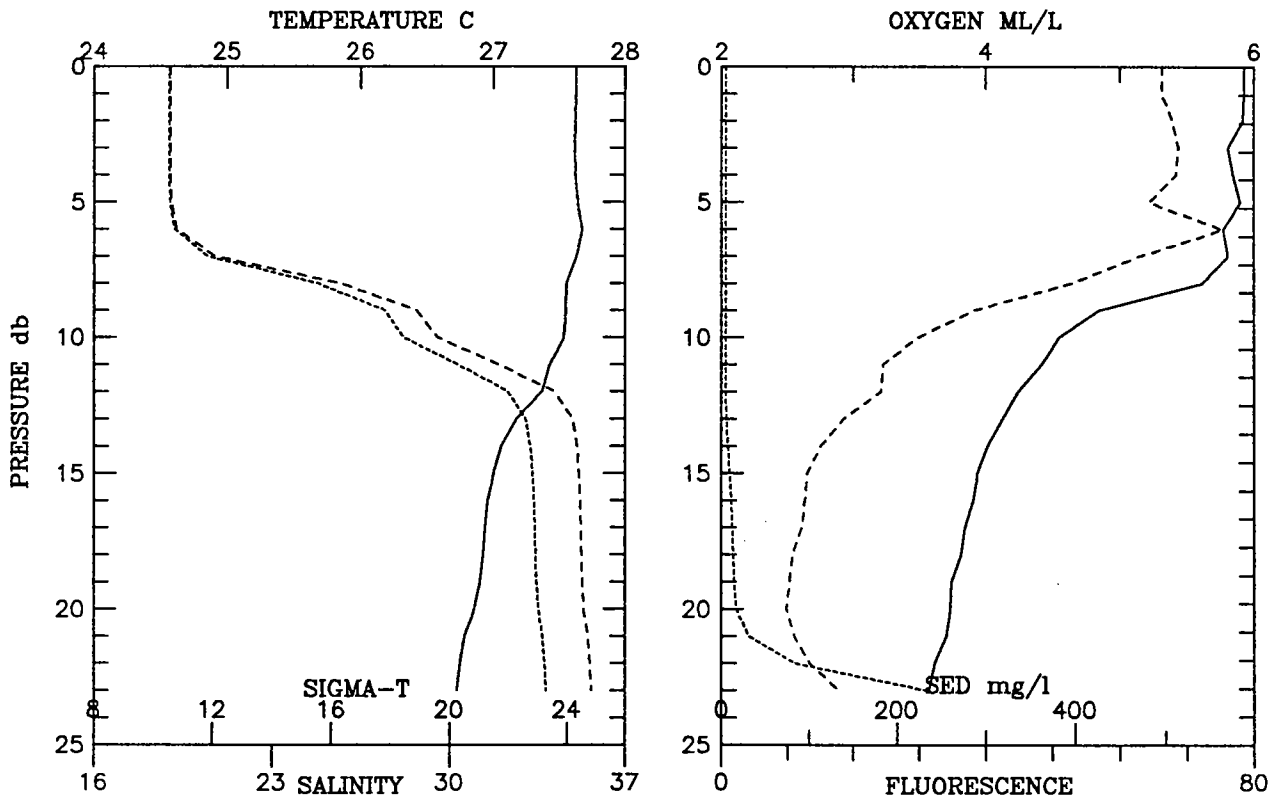
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.431	23.272	13.782	0.0000	5.341	48.0	4.4
5.0		27.494	25.140	15.160	0.0681	5.106	45.0	4.5
10.0		27.496	34.040	21.839	0.1116	4.178	17.1	4.3
15.0		27.302	34.932	22.572	0.1393	4.101	11.8	4.2
20.0		27.196	35.938	23.364	0.1638	4.019	9.8	4.2
25.0		26.666	36.155	23.697	0.1854	3.914	7.9	4.3
30.0		26.439	36.173	23.782	0.2063	3.830	7.7	4.7
35.0		26.395	36.176	23.799	0.2270	3.803	7.3	4.9
40.0		26.316	36.179	23.826	0.2475	3.757	6.3	5.6
45.0		26.288	36.181	23.836	0.2680	3.772	5.6	6.8
50.0		26.283	36.181	23.838	0.2885	3.746	6.3	7.2
55.0		26.278	36.181	23.839	0.3090	3.732	7.5	9.7
56.0		26.278	36.181	23.839	0.3131	3.753	7.5	9.7





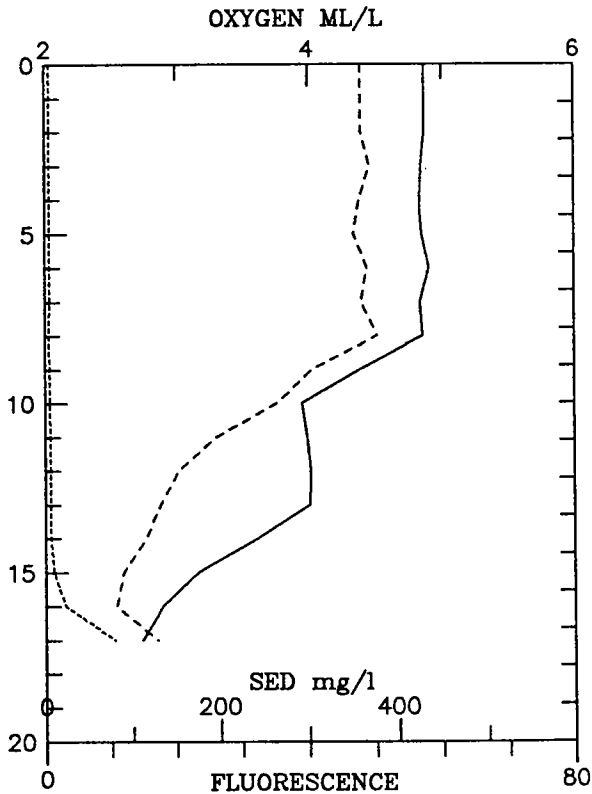
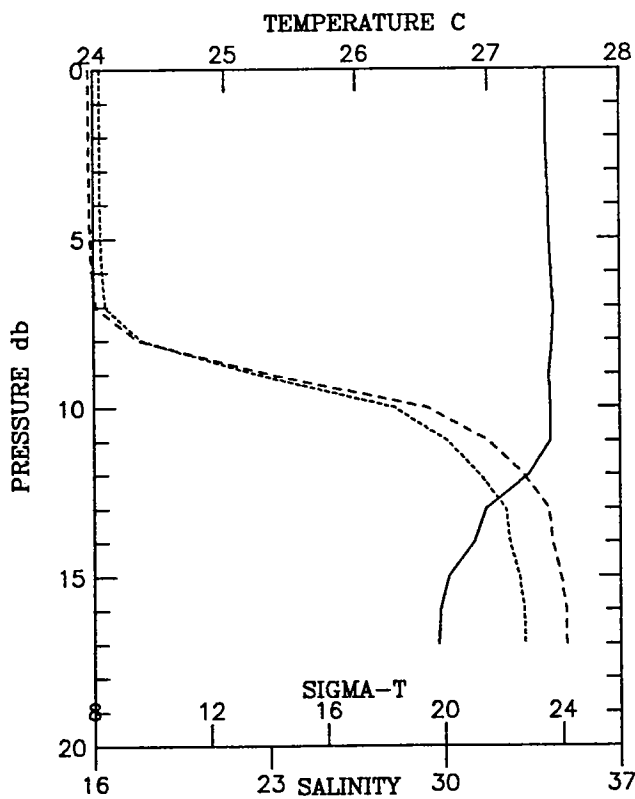
Cruise I9002 Leg 4 Station # 26.00 Depth m:25 Time: 1990-03-18 06:29  
 Position: 3° 4.97'N 49° 52.72'W Depth Deck Offset: -0.13 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (mL/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.626	19.037	10.556	0.0000	5.925	66.2	4.5
2.0	27.621	19.036	10.557	0.0338	5.915	67.8	4.5
4.0	27.619	19.036	10.558	0.0676	5.843	68.3	4.5
6.0	27.671	19.279	10.723	0.1014	5.772	75.4	4.5
8.0	27.550	25.658	15.530	0.1314	5.612	52.7	4.7
10.0	27.530	29.529	18.438	0.1519	4.551	29.8	4.5
12.0	27.365	34.161	21.971	0.1670	4.243	24.3	4.5
14.0	27.054	35.067	22.753	0.1777	4.014	15.1	7.4
16.0	26.956	35.195	22.881	0.1878	3.908	12.7	11.3
18.0	26.919	35.240	22.926	0.1978	3.816	10.8	13.4
20.0	26.855	35.345	23.026	0.2076	3.735	9.9	16.7
22.0	26.745	35.581	23.239	0.2171	3.617	13.4	83.9
23.0	26.720	35.643	23.293	0.2217	3.572	17.9	233.7



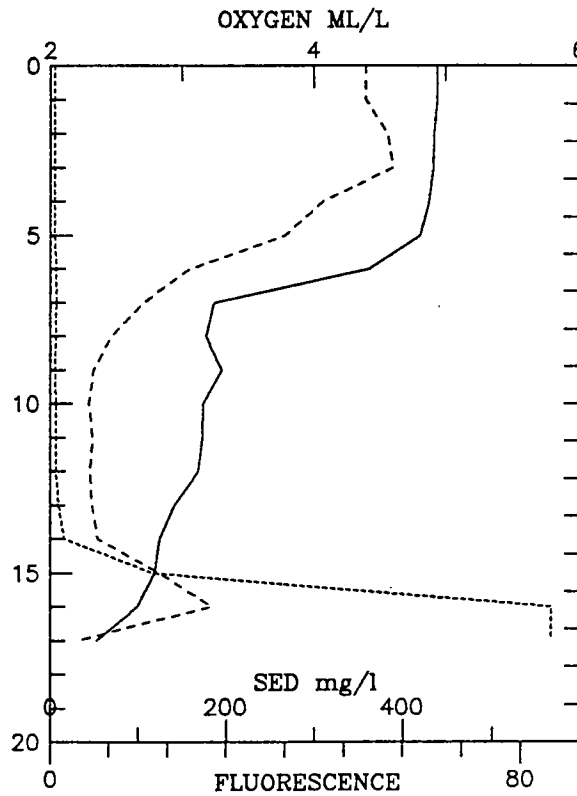
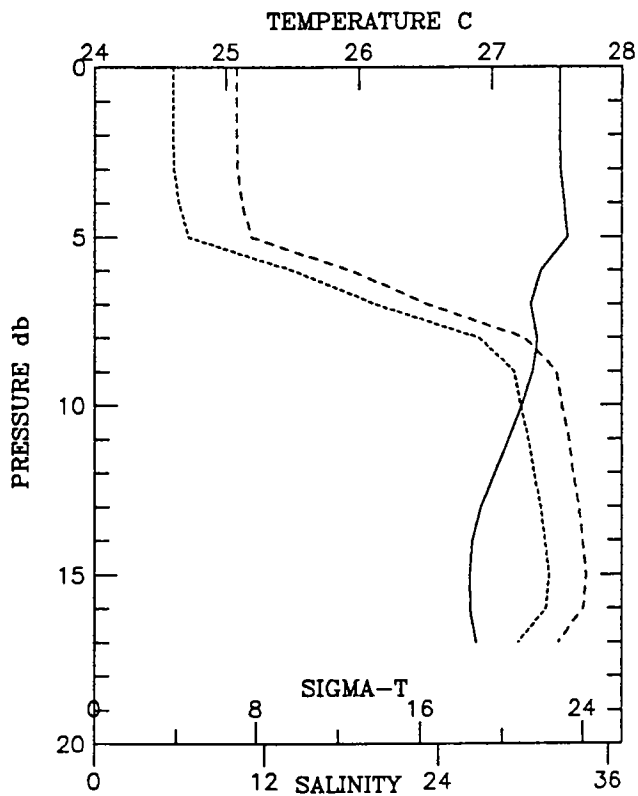
Cruise 19002 Leg 4 Station # 27.00 Depth m:20 Time: 1990-03-18 08:19  
 Position: 2° 48.56'N 49° 50.14'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.434	15.831	8.221	0.0000	4.870	47.9	4.5
1.0	E	27.434	15.831	8.221	0.0192	4.870	47.9	4.5
2.0		27.434	15.830	8.221	0.0384	4.871	47.9	4.5
3.0		27.443	15.836	8.222	0.0576	4.844	49.2	4.5
4.0		27.453	15.849	8.229	0.0768	4.836	47.6	4.5
5.0		27.458	15.871	8.244	0.0960	4.851	46.8	4.5
6.0		27.473	15.947	8.296	0.1151	4.904	48.8	4.5
7.0		27.486	16.089	8.398	0.1342	4.836	47.9	4.5
8.0		27.479	17.782	9.664	0.1526	4.857	50.3	4.4
9.0		27.453	22.940	13.526	0.1685	4.384	40.6	4.5
10.0		27.465	29.312	18.296	0.1802	3.953	35.3	4.8
11.0		27.461	31.740	20.121	0.1888	3.993	26.2	5.4
12.0		27.298	33.107	21.200	0.1959	4.014	20.4	5.3
13.0		26.980	34.122	22.065	0.2021	4.010	17.6	5.3
14.0		26.893	34.270	22.204	0.2078	3.625	15.4	5.7
15.0		26.698	34.596	22.512	0.2133	3.168	11.9	9.1
16.0		26.633	34.792	22.680	0.2185	2.893	10.8	22.6
17.0		26.618	34.817	22.703	0.2237	2.740	17.1	79.1



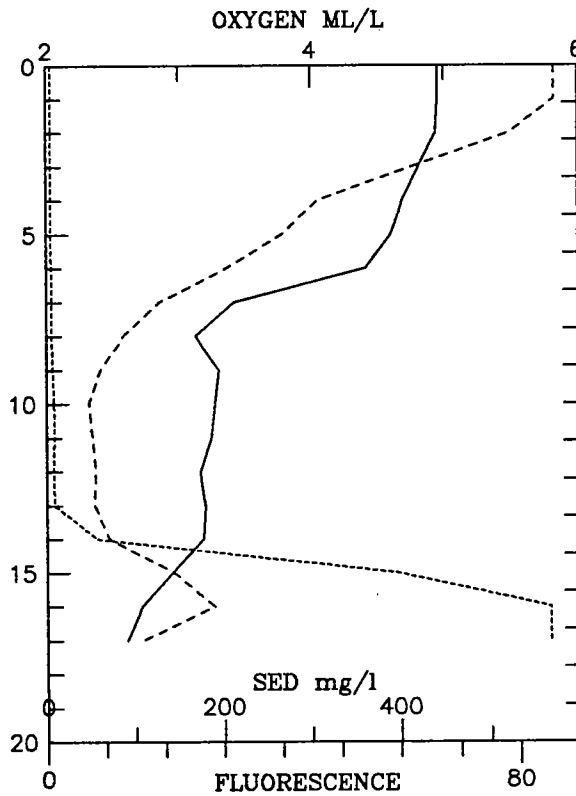
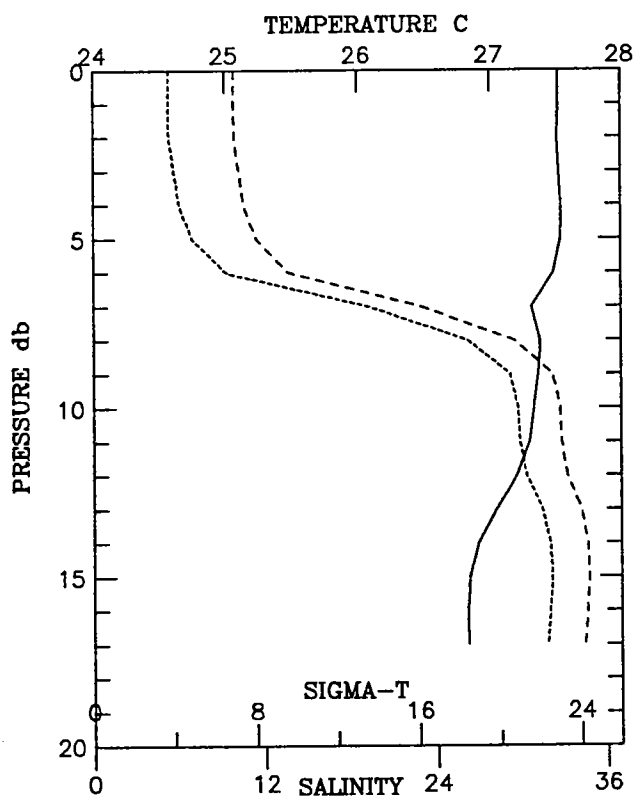
Cruise 19002 Leg 4 Station # 28.01 Depth m:18 Time: 1990-03-18 11:13  
 Position: 2° 32.41'N 49° 46.43'W Depth Deck Offset: -0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.516	9.998	3.846	0.0000	4.937	53.9	5.1
1.0		27.516	9.998	3.846	0.0235	4.938	53.9	5.1
2.0		27.519	10.016	3.859	0.0470	4.915	57.6	5.1
3.0		27.525	10.058	3.888	0.0705	4.909	58.5	5.1
4.0		27.551	10.406	4.140	0.0939	4.876	46.5	5.0
5.0		27.576	11.061	4.621	0.1169	4.806	40.0	5.0
6.0		27.373	17.993	9.854	0.1371	4.421	23.8	6.4
7.0		27.296	23.238	13.798	0.1528	3.245	16.0	6.8
8.0		27.344	30.019	18.865	0.1640	3.186	10.5	5.9
9.0		27.311	32.307	20.595	0.1721	3.304	7.4	5.5
10.0		27.225	32.673	20.897	0.1791	3.160	6.6	5.9
11.0		27.126	33.173	21.305	0.1858	3.155	7.2	6.0
12.0		27.023	33.482	21.570	0.1922	3.121	6.8	6.3
13.0		26.918	33.887	21.908	0.1982	2.945	7.1	9.3
14.0		26.855	34.146	22.123	0.2041	2.832	8.1	15.7
15.0		26.832	34.408	22.327	0.2097	2.794	18.6	116.5
16.0		26.837	34.208	22.175	0.2153	2.664	27.6	567.0
17.0		26.883	32.414	20.810	0.2216	2.352	4.7	567.0



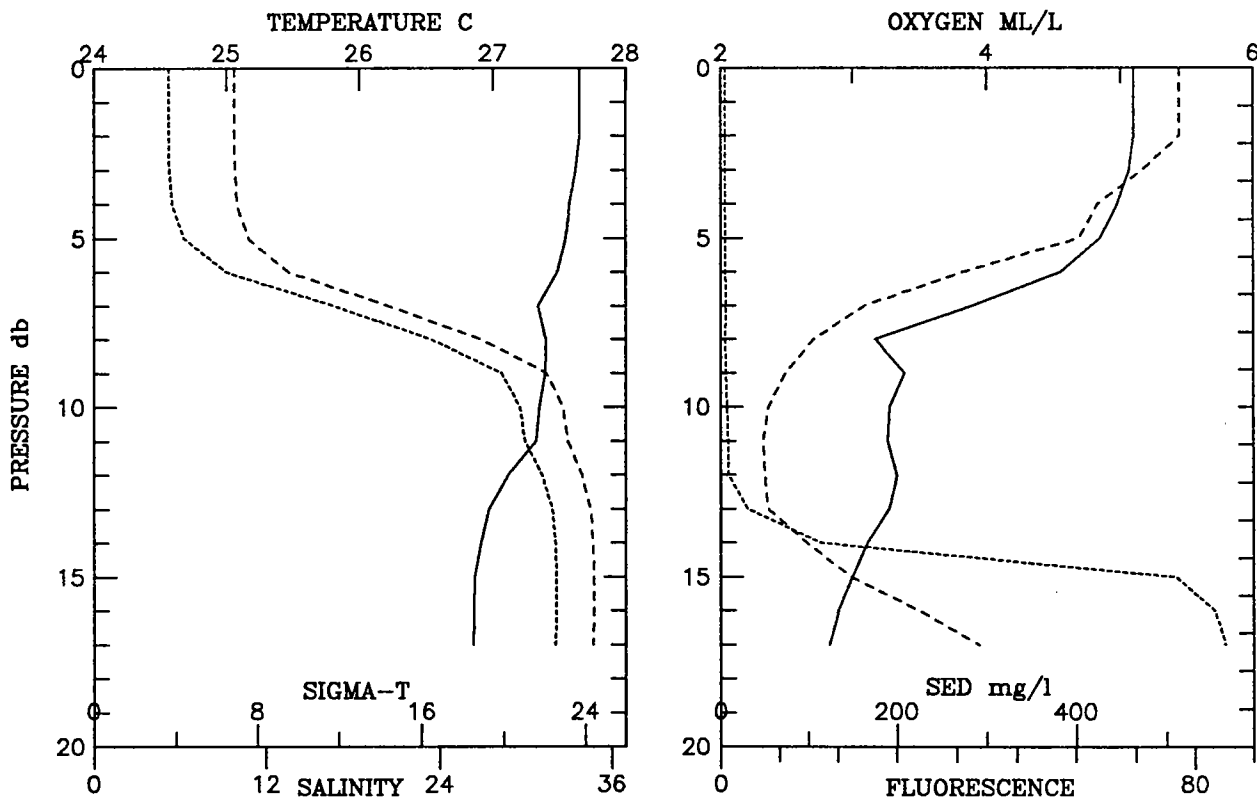
Cruise 19002 Leg 4 Station # 28.02 Depth m:18 Time: 1990-03-18 12:23  
 Position: 2° 32.40'N 49° 46.43'W Depth Deck Offset: -0.13 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.522	9.879	3.756	0.0000	4.958	86.1	5.1
1.0	27.522	9.879	3.756	0.0236	4.959	86.1	5.1
2.0	27.514	9.909	3.781	0.0472	4.941	78.6	5.1
3.0	* 27.528	10.239	4.022	0.0707	4.816	62.3	5.0
4.0	27.544	10.568	4.263	0.0939	4.692	46.2	4.9
5.0	27.536	11.429	4.907	0.1167	4.610	40.1	4.9
6.0	27.483	13.664	6.589	0.1384	4.418	30.7	5.2
7.0	27.313	22.853	13.504	0.1558	3.418	19.2	5.5
8.0	27.378	29.362	18.361	0.1675	3.126	13.1	5.2
9.0	27.363	32.140	20.453	0.1758	3.304	9.1	6.5
10.0	27.330	32.642	20.840	0.1829	3.271	7.2	7.9
11.0	27.297	32.765	20.943	0.1898	3.242	7.8	8.2
12.0	27.196	33.146	21.262	0.1965	3.164	8.3	7.2
13.0	27.039	34.115	22.041	0.2027	3.196	8.1	8.4
14.0	26.905	34.577	22.432	0.2083	3.179	10.6	57.1
15.0	26.838	34.686	22.535	0.2137	2.946	21.6	396.1
16.0	26.824	34.535	22.426	0.2190	2.715	28.4	567.0
17.0	26.826	34.365	22.297	0.2245	2.602	16.2	567.0



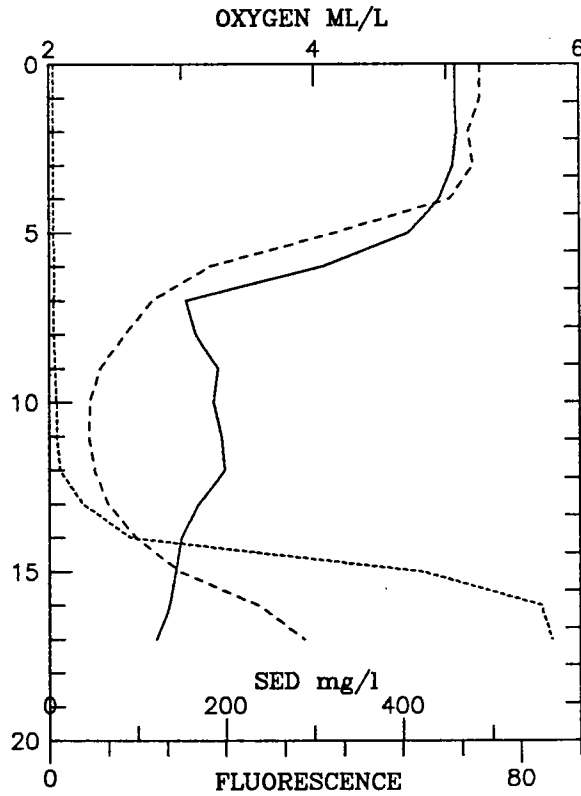
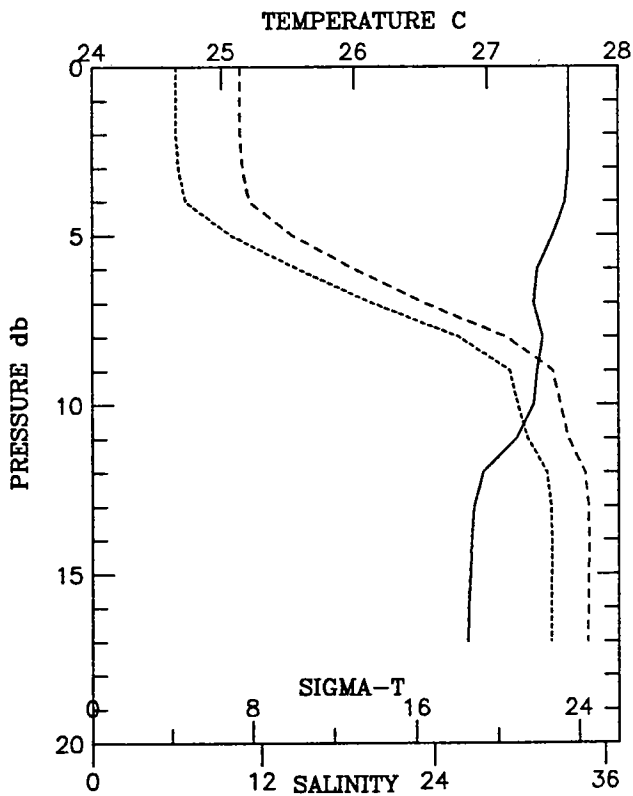
Cruise 19002 Leg 4 Station # 28.03 Depth m:18 Time: 1990-03-18 13:20  
 Position: 2° 32.39'N 49° 46.44'W Depth Deck Offset: 0.12 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.649	9.785	3.648	0.0000	5.099	77.3	5.1
1.0	E	27.649	9.785	3.648	0.0237	5.100	77.3	5.1
2.0		27.649	9.785	3.648	0.0474	5.100	77.3	5.1
3.0		27.618	9.826	3.688	0.0711	5.064	71.1	5.1
4.0		27.572	9.996	3.828	0.0948	4.974	63.7	5.0
5.0		27.541	10.778	4.420	0.1180	4.846	60.5	5.0
6.0		27.476	13.559	6.513	0.1399	4.553	41.1	5.0
7.0		27.332	20.512	11.748	0.1582	3.895	24.6	5.6
8.0		27.392	26.903	16.512	0.1717	3.172	15.9	4.8
9.0		27.388	31.412	19.897	0.1812	3.390	11.0	5.5
10.0		27.343	32.571	20.783	0.1886	3.278	8.1	7.1
11.0		27.317	32.883	21.026	0.1955	3.263	7.2	8.0
12.0		27.109	33.900	21.857	0.2018	3.329	7.5	8.2
13.0		26.966	34.502	22.356	0.2076	3.272	8.1	30.5
14.0		26.905	34.665	22.498	0.2130	3.115	14.7	114.1
15.0		26.859	34.731	22.562	0.2183	3.001	22.2	510.2
16.0		26.854	34.716	22.552	0.2236	2.895	33.7	555.2
17.0		26.848	34.675	22.523	0.2290	2.828	43.7	567.0



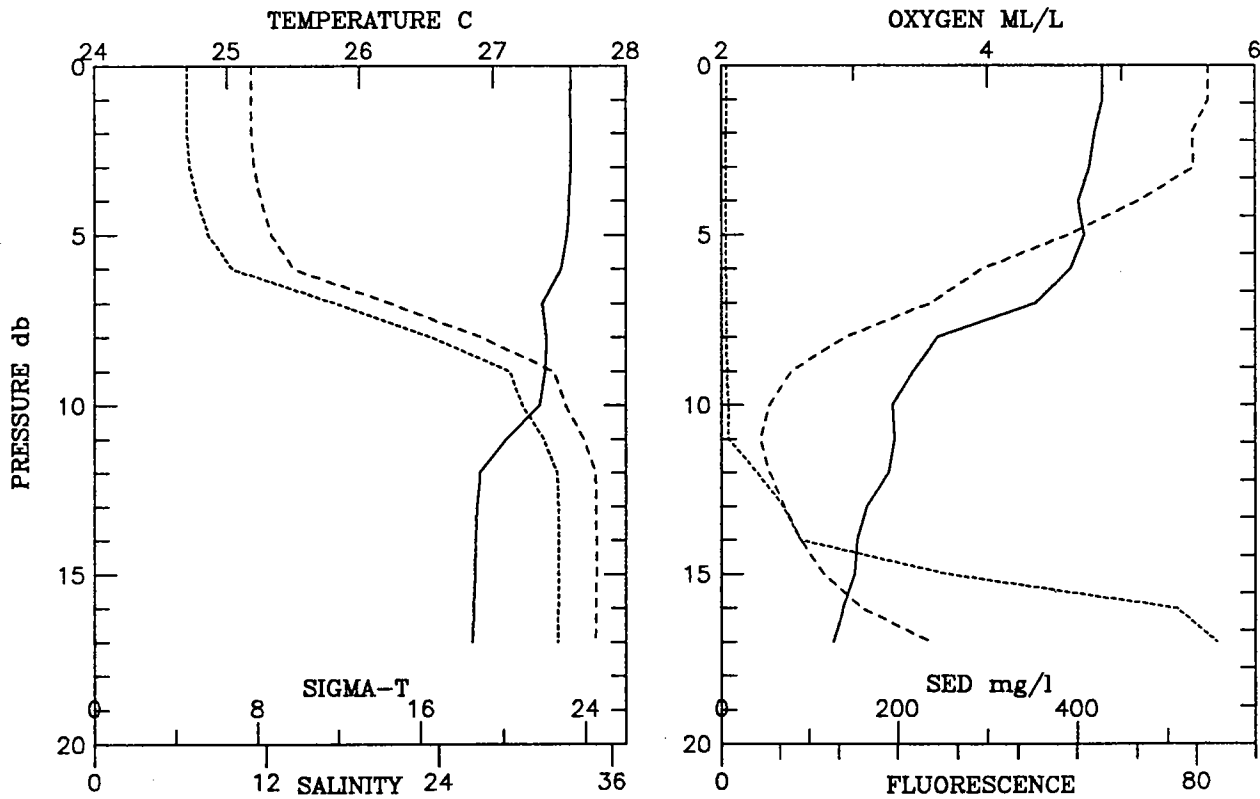
Cruise I9002 Leg 4 Station # 28.04 Depth m:19 Time: 1990-03-18 14:21  
 Position: 2° 32.39'N 49° 46.43'W Depth Deck Offset: 0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.618	10.539	4.219	0.0000	5.068	73.2	5.0
1.0		27.618	10.539	4.220	0.0232	5.069	73.2	5.0
2.0		27.618	10.563	4.237	0.0463	5.076	71.2	5.0
3.0		27.614	10.711	4.349	0.0694	5.048	72.1	5.0
4.0		27.591	11.180	4.705	0.0922	4.946	68.1	5.0
5.0		27.495	14.167	6.961	0.1138	4.714	48.5	5.0
6.0		27.376	18.501	10.232	0.1326	4.067	27.4	5.3
7.0		27.349	23.331	13.851	0.1481	3.037	17.6	5.1
8.0		27.416	29.014	18.088	0.1597	3.107	12.8	5.0
9.0		27.371	32.310	20.578	0.1681	3.277	8.6	6.5
10.0		27.345	32.831	20.978	0.1751	3.242	6.8	8.0
11.0		27.215	33.406	21.451	0.1817	3.304	6.7	8.1
12.0		26.964	34.573	22.410	0.1876	3.328	7.6	11.9
13.0		26.895	34.816	22.615	0.1930	3.127	9.9	37.6
14.0		26.877	34.840	22.639	0.1982	2.996	14.7	91.6
15.0		26.867	34.827	22.632	0.2034	2.953	22.1	422.0
16.0		26.856	34.795	22.611	0.2087	2.906	35.6	555.2
17.0		26.850	34.779	22.601	0.2139	2.806	43.3	567.0



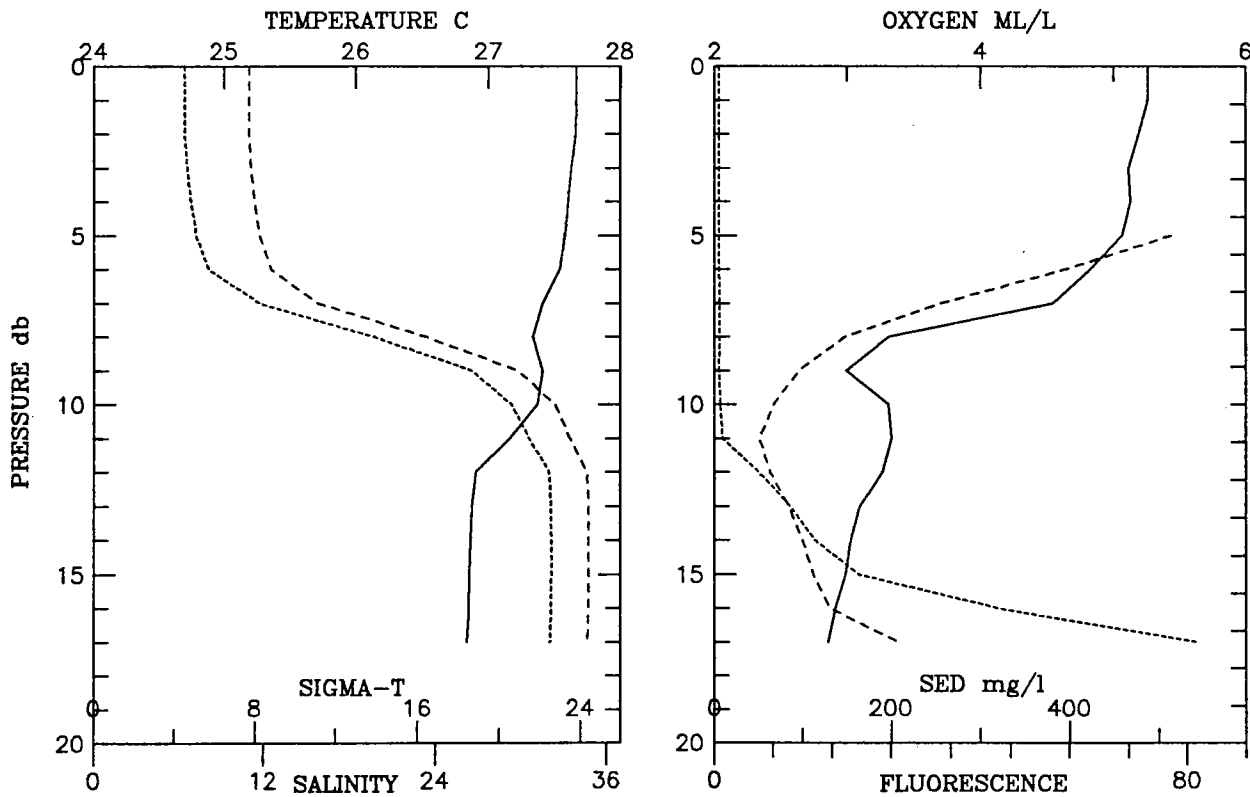
Cruise 19002 Leg 4 Station # 28.05 Depth m:19 Time: 1990-03-18 15:22  
 Position: 2° 32.40'N 49° 46.43'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.578	10.959	4.544	0.0000	4.861	82.0	5.2
1.0		27.577	10.959	4.545	0.0228	4.861	82.0	5.2
2.0		27.581	10.963	4.547	0.0457	4.801	79.3	5.1
3.0		27.583	11.143	4.680	0.0684	4.761	79.6	5.1
4.0		27.569	11.645	5.059	0.0909	4.678	70.4	5.0
5.0		27.553	12.354	5.592	0.1130	4.725	58.7	4.9
6.0		27.509	13.917	6.770	0.1342	4.620	44.3	5.0
7.0		27.367	20.621	11.819	0.1524	4.359	35.6	5.6
8.0		27.394	26.947	16.545	0.1658	3.633	21.2	5.4
9.0		27.385	31.935	20.291	0.1750	3.453	12.0	6.0
10.0		27.348	32.755	20.920	0.1822	3.297	8.2	7.6
11.0		27.096	34.016	21.948	0.1886	3.314	6.7	7.8
12.0		26.895	34.821	22.619	0.1941	3.269	8.2	40.6
13.0		26.876	34.870	22.661	0.1994	3.102	10.8	70.3
14.0		26.868	34.887	22.677	0.2046	3.032	13.6	90.3
15.0		26.863	34.888	22.679	0.2097	3.013	17.5	254.3
16.0		26.854	34.856	22.658	0.2149	2.924	23.9	510.2
17.0		26.844	34.819	22.633	0.2202	2.849	35.5	555.2



Cruise I9002 Leg 4 Station # 28.06 Depth m:19 Time: 1990-03-18 16:21  
 Position: 2° 32.47'N 49° 46.38'W Depth Deck Offset: -0.08 Fish 2

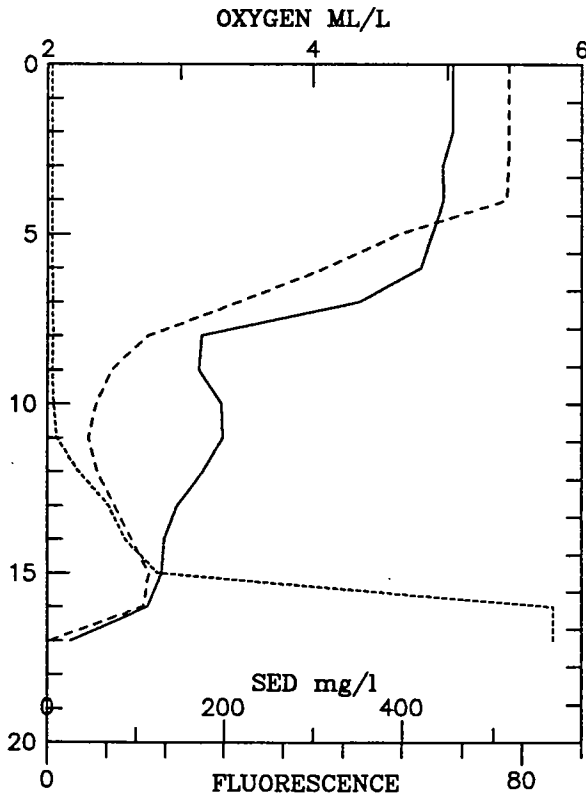
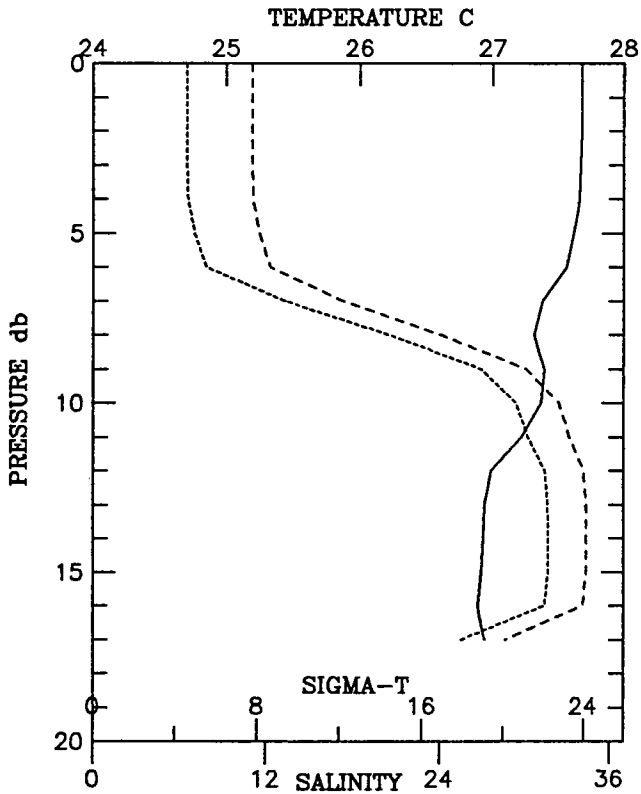
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.663	10.997	4.548	0.0000	5.256	100.0	5.1
1.0		27.663	10.997	4.548	0.0228	5.257	100.0	5.1
2.0		27.658	10.993	4.546	0.0457	5.189	99.2	5.1
3.0		27.625	11.134	4.661	0.0684	5.112	99.1	5.1
4.0		27.599	11.399	4.866	0.0911	5.127	92.8	5.0
5.0		27.575	11.736	5.124	0.1134	5.062	77.3	5.0
6.0		27.534	12.563	5.753	0.1354	4.828	59.4	5.0
7.0		27.403	15.884	8.270	0.1558	4.546	38.4	5.5
8.0		27.333	23.354	13.873	0.1722	3.319	22.2	5.3
9.0		27.406	29.772	18.660	0.1836	2.998	14.4	5.0
10.0		27.367	32.364	20.620	0.1917	3.310	10.1	6.4
11.0		27.160	33.426	21.484	0.1984	3.337	7.7	9.0
12.0		26.900	34.614	22.461	0.2043	3.269	9.5	50.9
13.0		26.873	34.726	22.554	0.2096	3.096	12.7	86.1
14.0		26.861	34.735	22.565	0.2149	3.031	15.0	114.1
15.0		26.853	34.731	22.564	0.2202	2.990	16.9	163.3
16.0		26.848	34.710	22.550	0.2255	2.915	19.6	320.7
17.0		26.835	34.634	22.497	0.2308	2.859	31.2	543.6





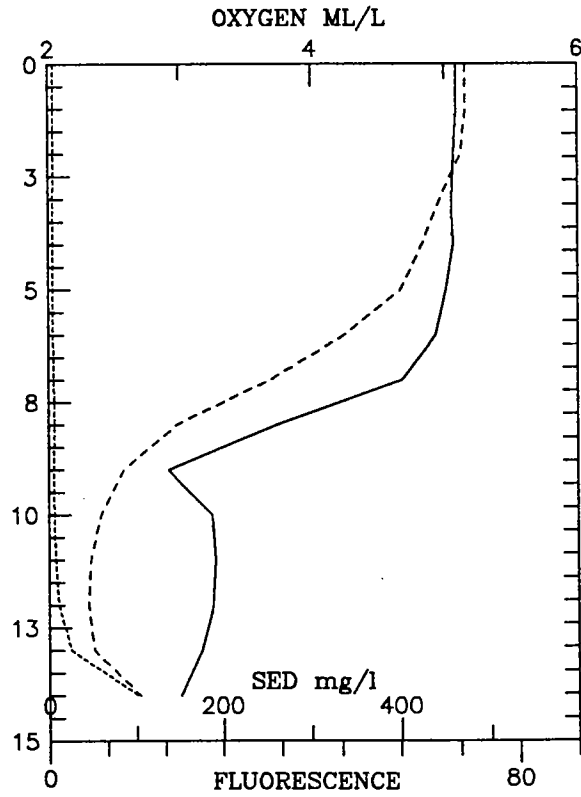
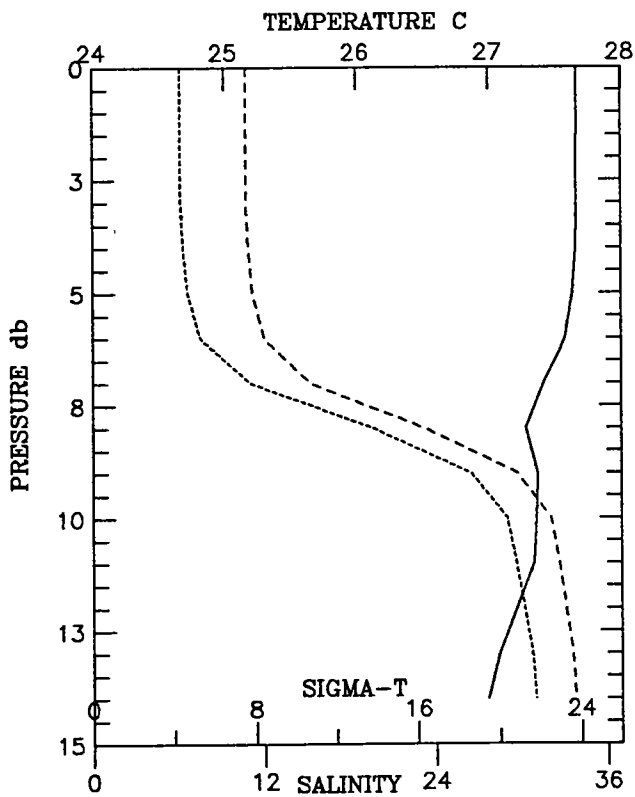
Cruise 19002 Leg 4 Station # 28.07 Depth m:18 Time: 1990-03-18 17:22  
 Position: 2° 32.47'N 49° 46.38'W Depth Deck Offset: -0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.678	11.045	4.579	0.0000	5.040	77.7	5.0
1.0	E	27.678	11.045	4.579	0.0228	5.041	77.7	5.0
2.0		27.677	11.045	4.579	0.0456	5.042	77.7	5.0
3.0		27.670	11.043	4.580	0.0684	4.968	77.6	5.0
4.0		27.658	11.110	4.633	0.0912	4.973	77.3	5.0
5.0		27.616	11.532	4.960	0.1137	4.889	59.5	5.0
6.0		27.560	12.293	5.544	0.1359	4.805	47.1	5.0
7.0		27.375	17.315	9.347	0.1559	4.345	32.5	5.7
8.0		27.312	24.078	14.421	0.1715	3.163	17.1	5.8
9.0		27.389	30.086	18.901	0.1824	3.144	10.8	5.1
10.0		27.368	32.390	20.639	0.1904	3.310	8.2	6.8
11.0		27.219	33.109	21.227	0.1973	3.322	6.9	10.2
12.0		26.985	34.136	22.074	0.2034	3.172	8.4	34.9
13.0		26.934	34.299	22.213	0.2091	2.978	11.3	68.8
14.0		26.924	34.298	22.215	0.2148	2.882	14.2	87.3
15.0		26.913	34.309	22.227	0.2204	2.861	17.2	124.1
16.0		26.889	34.073	22.057	0.2261	2.754	16.2	567.0
17.0		26.933	28.614	17.939	0.2339	2.172	0.5	567.0



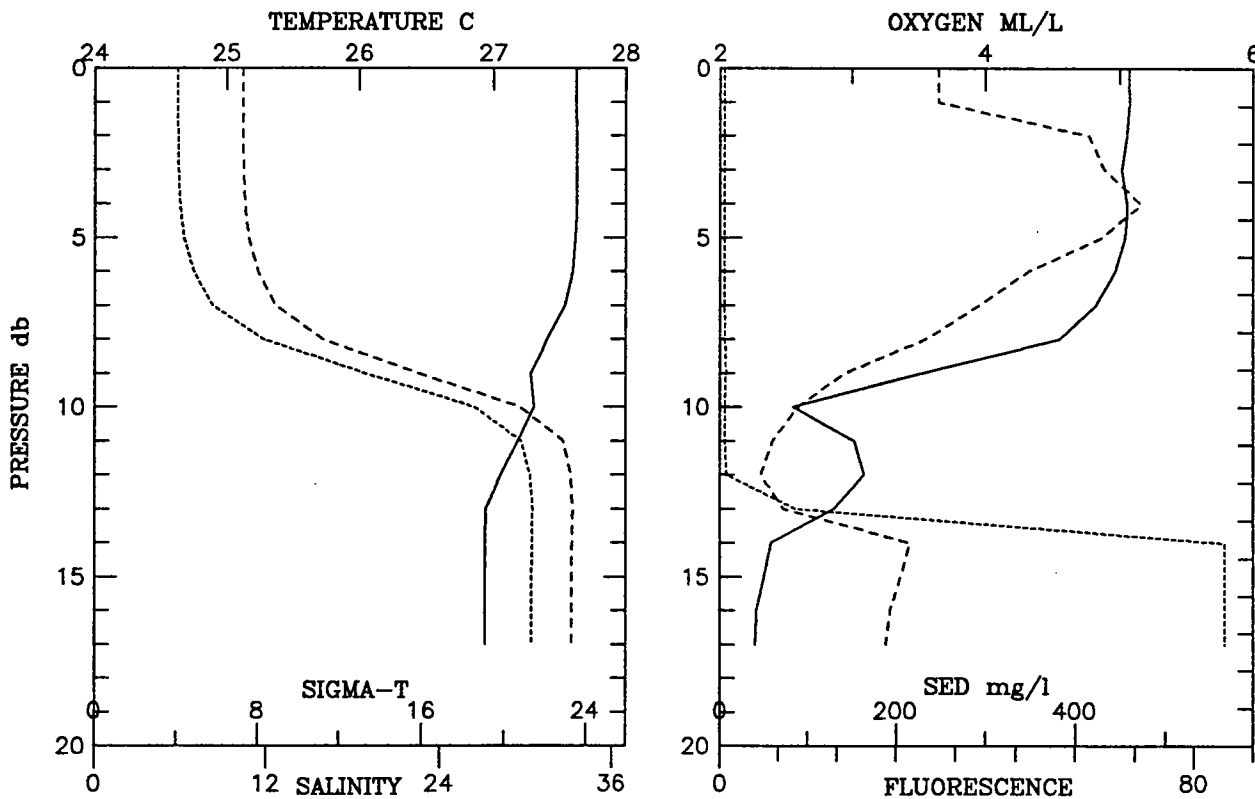
Cruise I9002 Leg 4 Station # 28.08 Depth m:16 Time: 1990-03-18 18:19  
 Position: 2° 32.47'N 49° 46.38'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.662	10.759	4.371	0.0000	5.086	71.0	5.2
1.0		27.662	10.759	4.371	0.0230	5.087	71.0	5.2
2.0		27.660	10.754	4.368	0.0460	5.070	70.2	5.2
3.0		27.659	10.760	4.372	0.0690	5.054	66.7	5.1
4.0		27.654	10.904	4.481	0.0920	5.063	63.7	5.1
5.0		27.631	11.201	4.709	0.1148	5.008	60.1	5.1
6.0		27.571	11.999	5.322	0.1371	4.932	50.6	5.0
7.0		27.409	15.242	7.789	0.1580	4.687	38.2	5.5
8.0		27.278	23.240	13.805	0.1746	3.747	22.1	6.5
9.0		27.360	29.679	18.605	0.1861	2.920	12.8	5.2
10.0		27.354	32.020	20.365	0.1943	3.254	8.9	5.9
11.0		27.332	32.604	20.811	0.2015	3.280	7.1	7.1
12.0		27.201	33.066	21.200	0.2083	3.257	6.7	10.7
13.0		27.069	33.519	21.583	0.2147	3.174	7.7	24.9
14.0		26.989	33.710	21.752	0.2209	3.009	15.7	102.3



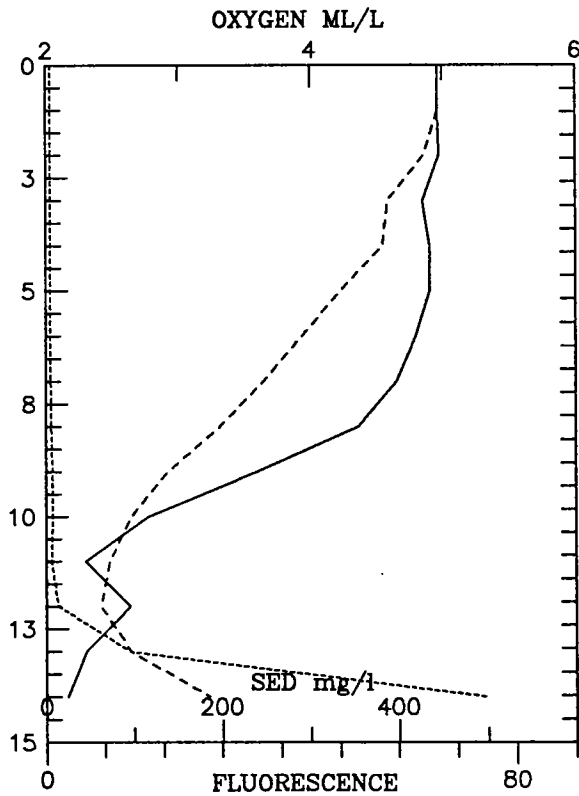
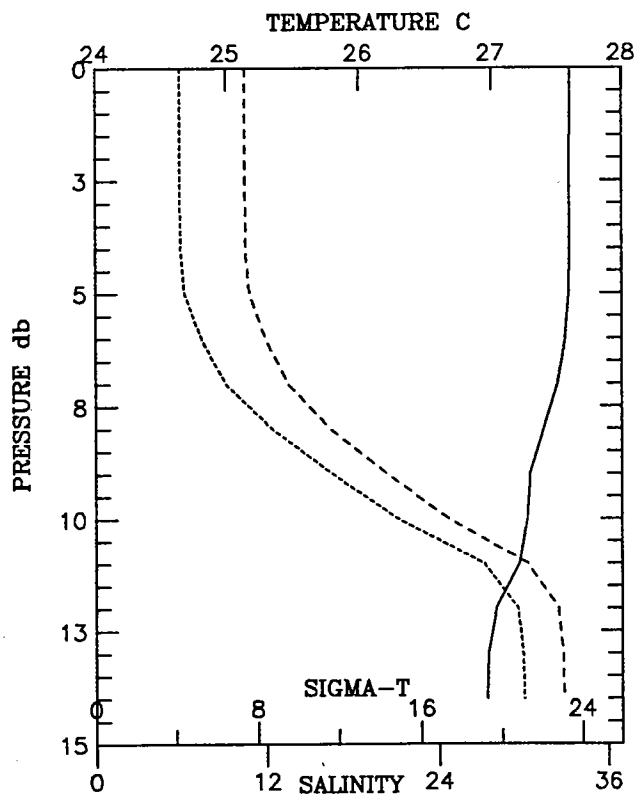
Cruise I9002 Leg 4 Station # 28.09 Depth m:16 Time: 1990-03-18 19:23  
 Position: 2° 32.47'N 49° 46.38'W Depth Deck Offset: -0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.621	10.358	4.084	0.0000	5.071	37.2	5.0
1.0		27.621	10.358	4.084	0.0233	5.072	37.2	5.0
2.0		27.626	10.369	4.091	0.0466	5.055	62.4	5.0
3.0		27.625	10.404	4.117	0.0698	5.014	65.0	5.0
4.0		27.623	10.497	4.187	0.0931	5.056	71.1	4.9
5.0		27.616	10.763	4.387	0.1162	5.041	64.4	4.9
6.0		27.593	11.403	4.871	0.1389	4.967	52.1	4.9
7.0		27.536	12.614	5.791	0.1610	4.821	44.0	5.0
8.0		27.403	15.884	8.270	0.1813	4.549	35.0	5.5
9.0		27.279	22.473	13.230	0.1981	3.519	21.4	6.8
10.0		27.303	29.585	18.553	0.2098	2.560	13.4	5.3
11.0		27.184	32.575	20.836	0.2178	3.022	9.0	5.5
12.0		27.054	33.103	21.275	0.2246	3.093	7.0	7.5
13.0		26.938	33.224	21.403	0.2310	2.866	10.9	85.8
14.0		26.934	33.180	21.371	0.2375	2.390	32.4	567.0
15.0	*	26.935	33.164	21.358	0.2439	2.338	30.8	567.0
16.0		26.937	33.145	21.344	0.2504	2.279	29.0	567.0
17.0		26.937	33.144	21.343	0.2568	2.271	28.3	567.0



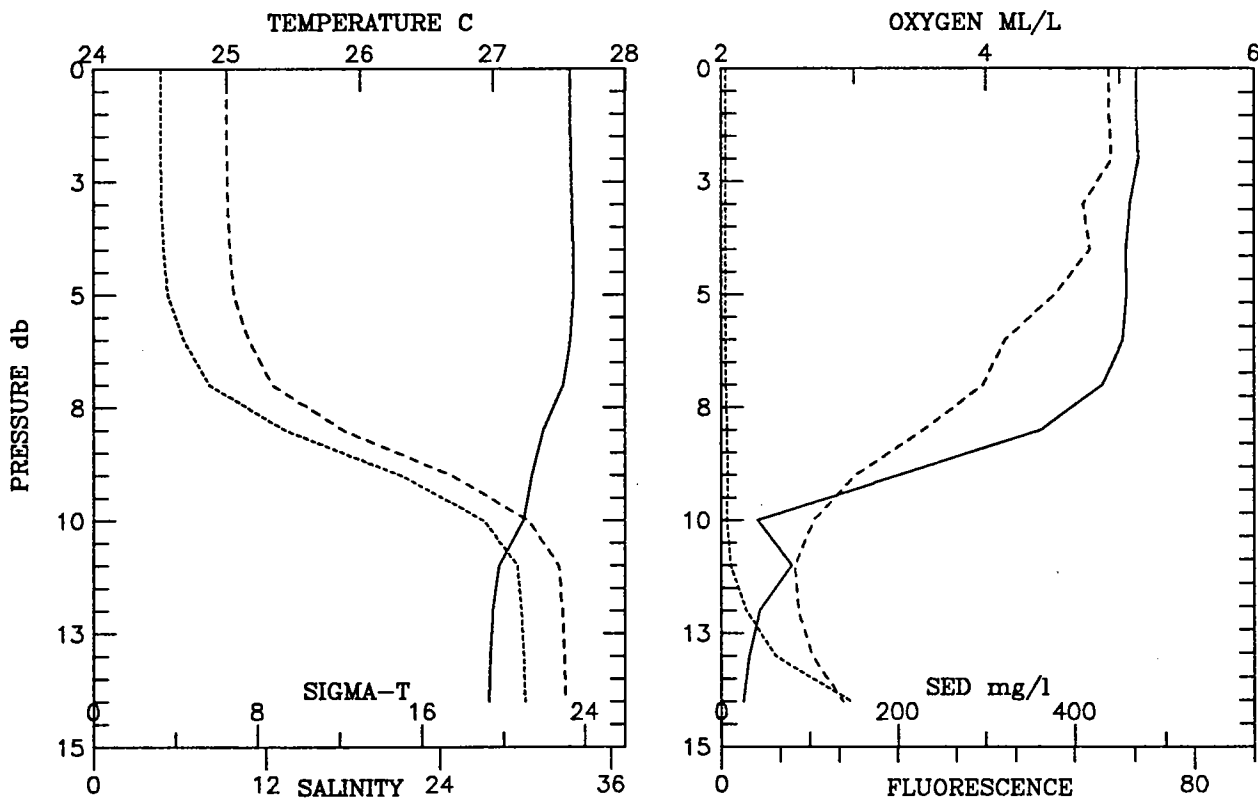
Cruise 19002 Leg 4 Station # 28.10 Depth m:16 Time: 1990-03-18 20:27  
 Position: 2° 32.47'N 49° 46.38'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.598	10.553	4.236	0.0000	4.964	66.7	4.9
1.0		27.598	10.553	4.236	0.0231	4.964	66.7	4.9
2.0		27.596	10.553	4.236	0.0463	4.974	64.4	4.9
3.0		27.595	10.566	4.246	0.0694	4.855	58.2	4.9
4.0		27.594	10.585	4.261	0.0925	4.908	57.4	4.9
5.0		27.591	10.844	4.455	0.1156	4.907	50.1	4.9
6.0		27.559	11.956	5.293	0.1381	4.800	43.6	4.9
7.0		27.503	13.547	6.496	0.1596	4.655	37.0	5.1
8.0		27.396	16.519	8.746	0.1794	4.363	29.7	5.6
9.0		27.288	20.477	11.735	0.1966	3.596	20.7	7.1
10.0		27.270	24.713	14.910	0.2108	2.773	14.5	7.1
11.0		27.208	30.280	19.104	0.2214	2.299	10.8	5.6
12.0		27.028	32.439	20.783	0.2292	2.640	9.4	13.7
13.0		26.967	32.737	21.027	0.2361	2.303	14.5	95.4
14.0		26.961	32.804	21.079	0.2429	2.161	27.8	499.6



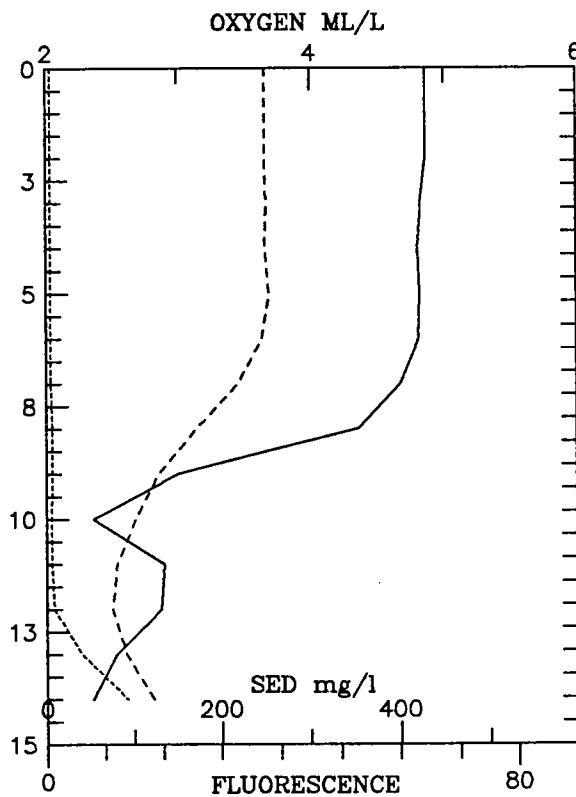
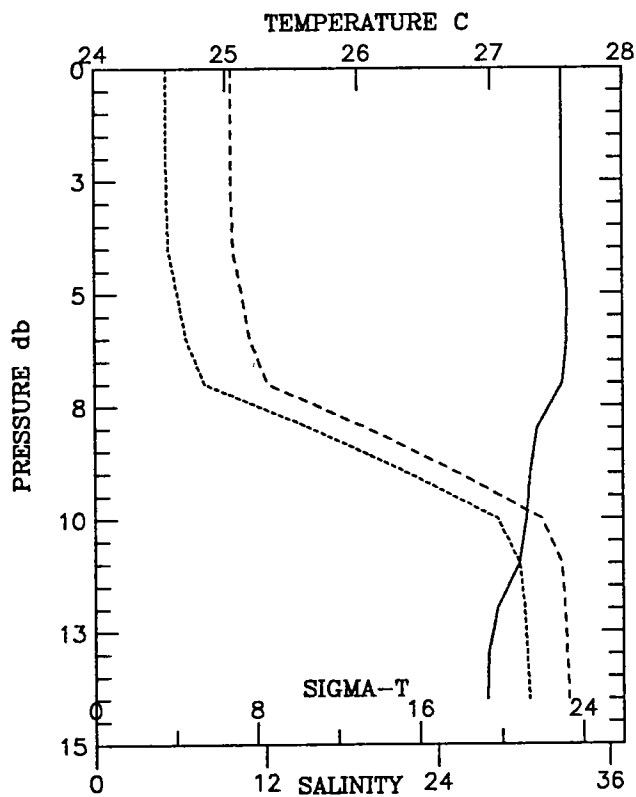
Cruise 19002 Leg 4 Station # 28.11 Depth m:16 Time: 1990-03-18 21:27  
 Position: 2° 32.47'N 49° 46.38'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.582	9.267	3.282	0.0000	5.126	65.8	4.8
1.0		27.581	9.267	3.282	0.0241	5.127	65.8	4.8
2.0		27.587	9.274	3.286	0.0482	5.139	66.2	4.8
3.0		27.595	9.325	3.321	0.0722	5.077	61.5	4.8
4.0		27.603	9.468	3.426	0.0962	5.049	62.6	4.8
5.0		27.604	9.740	3.628	0.1201	5.054	56.7	4.8
6.0		27.582	10.792	4.419	0.1434	5.024	48.3	4.8
7.0		27.528	12.447	5.668	0.1658	4.873	44.6	5.0
8.0		27.377	17.334	9.360	0.1857	4.413	34.4	6.1
9.0		27.288	24.829	14.991	0.2010	3.340	22.8	7.3
10.0		27.226	30.191	19.032	0.2116	2.272	15.7	6.2
11.0		27.040	32.305	20.679	0.2195	2.530	12.5	10.5
12.0		26.994	32.559	20.885	0.2265	2.288	13.1	28.4
13.0		26.973	32.699	20.996	0.2334	2.209	15.5	61.4
14.0		26.966	32.778	21.058	0.2402	2.166	20.7	146.9



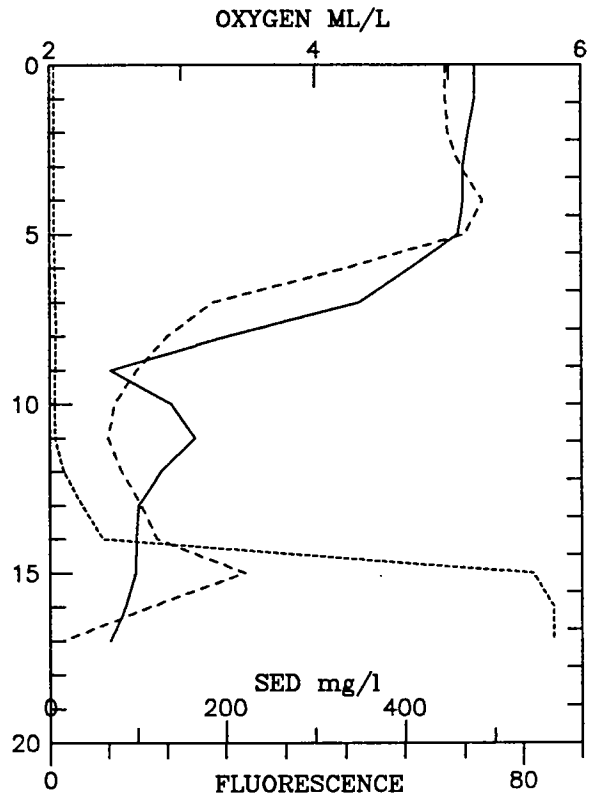
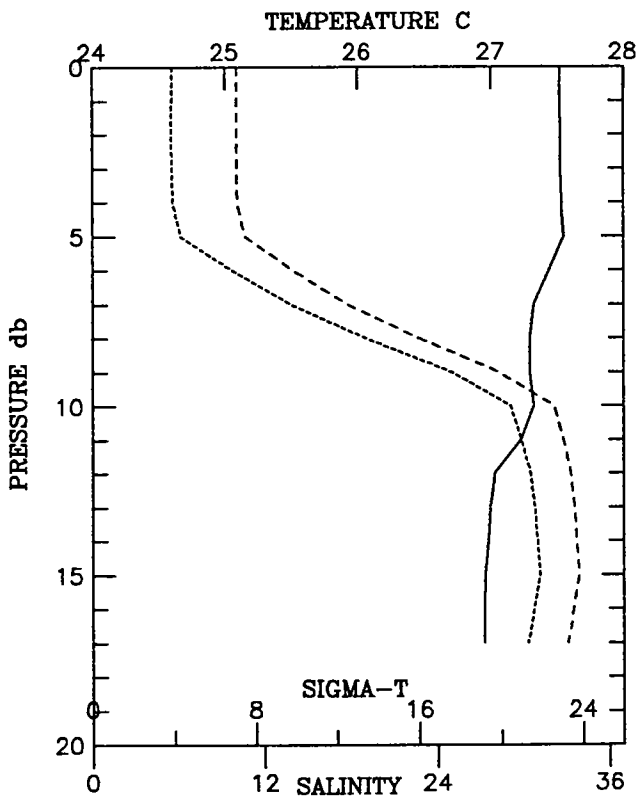
Cruise 19002 Leg 4 Station # 28.12 Depth m:16 Time: 1990-03-18 22:26  
 Position: 2° 32.47'N 49° 46.38'W Depth Deck Offset: -0.17 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.536	9.653	3.583	0.0000	4.865	37.5
1.0	E	27.536	9.653	3.583	0.0238	4.866	37.5
2.0		27.536	9.653	3.583	0.0476	4.866	37.5
3.0		27.539	9.678	3.601	0.0714	4.825	37.7
4.0		27.550	9.774	3.669	0.0951	4.808	37.5
5.0		27.577	10.379	4.112	0.1186	4.820	38.2
6.0		27.573	10.947	4.537	0.1416	4.810	36.9
7.0		27.539	12.167	5.456	0.1640	4.677	32.9
8.0		27.344	19.201	10.765	0.1833	4.359	25.8
9.0		27.291	25.503	15.495	0.1977	3.000	19.3
10.0		27.260	31.222	19.795	0.2078	2.355	15.3
11.0		27.206	32.640	20.878	0.2152	2.899	12.1
12.0		27.040	32.874	21.107	0.2220	2.874	11.3
13.0		26.976	33.000	21.222	0.2286	2.532	13.7
14.0		26.963	33.131	21.325	0.2351	2.351	18.4



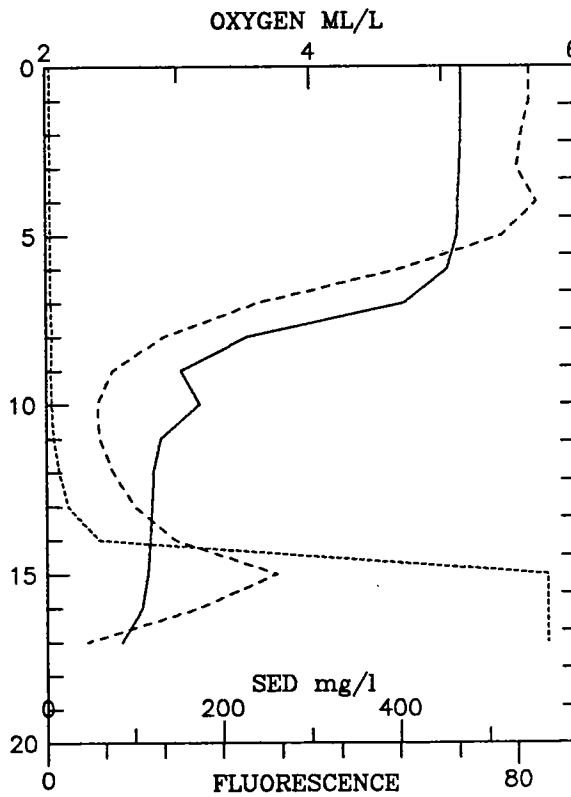
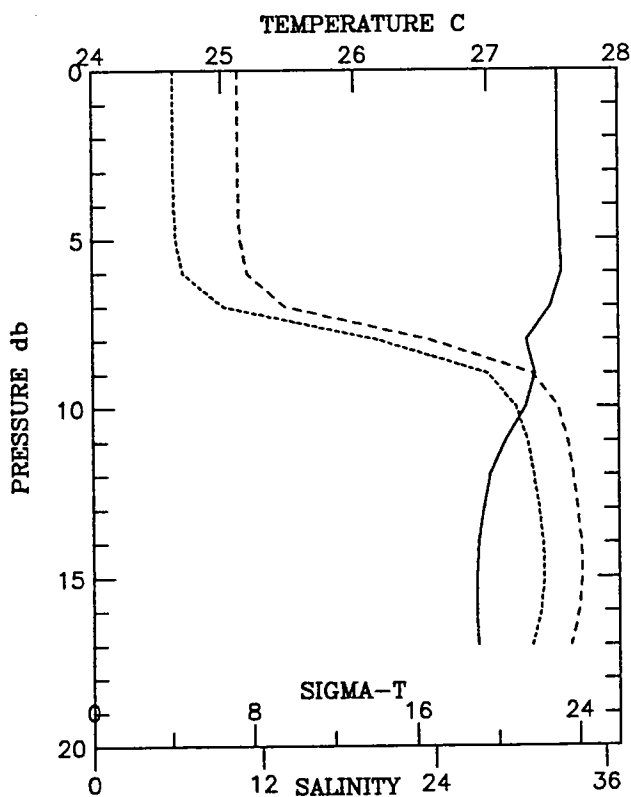
Cruise I9002 Leg 4 Station # 28.13 Depth m:17 Time: 1990-03-18 23:24  
 Position: 2° 32.47'N 49° 46.38'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.517	10.033	3.872	0.0000	5.194	67.0	4.8
1.0		27.516	10.033	3.872	0.0235	5.195	67.0	4.8
2.0		27.520	10.030	3.869	0.0470	5.147	67.4	4.8
3.0		27.525	10.039	3.874	0.0705	5.108	69.5	4.8
4.0		27.531	10.101	3.919	0.0940	5.107	73.2	4.8
5.0		27.547	10.619	4.300	0.1172	5.069	70.2	4.8
6.0	*	27.437	13.971	6.832	0.1391	4.712	50.1	5.6
7.0		27.317	17.777	9.709	0.1582	4.328	27.9	6.6
8.0		27.290	22.709	13.404	0.1742	3.354	20.2	6.7
9.0		27.289	28.219	17.531	0.1863	2.462	14.9	5.8
10.0		27.316	32.115	20.449	0.1950	2.926	11.1	5.2
11.0		27.222	32.746	20.953	0.2021	3.102	10.0	5.8
12.0		27.022	33.267	21.408	0.2087	2.845	12.3	15.5
13.0		26.989	33.518	21.607	0.2150	2.676	15.7	36.5
14.0		26.973	33.688	21.741	0.2212	2.659	18.3	60.3
15.0		26.950	33.842	21.864	0.2272	2.655	33.3	543.6
16.0		26.948	33.462	21.579	0.2333	2.573	17.3	567.0
17.0		26.947	33.074	21.287	0.2397	2.458	2.1	567.0



Cruise 19002 Leg 4 Station # 28.14 Depth m:18 Time: 1990-03-19 00:24  
 Position: 2° 32.47'N 49° 46.38'W Depth Deck Offset: -0.23 Fish 2

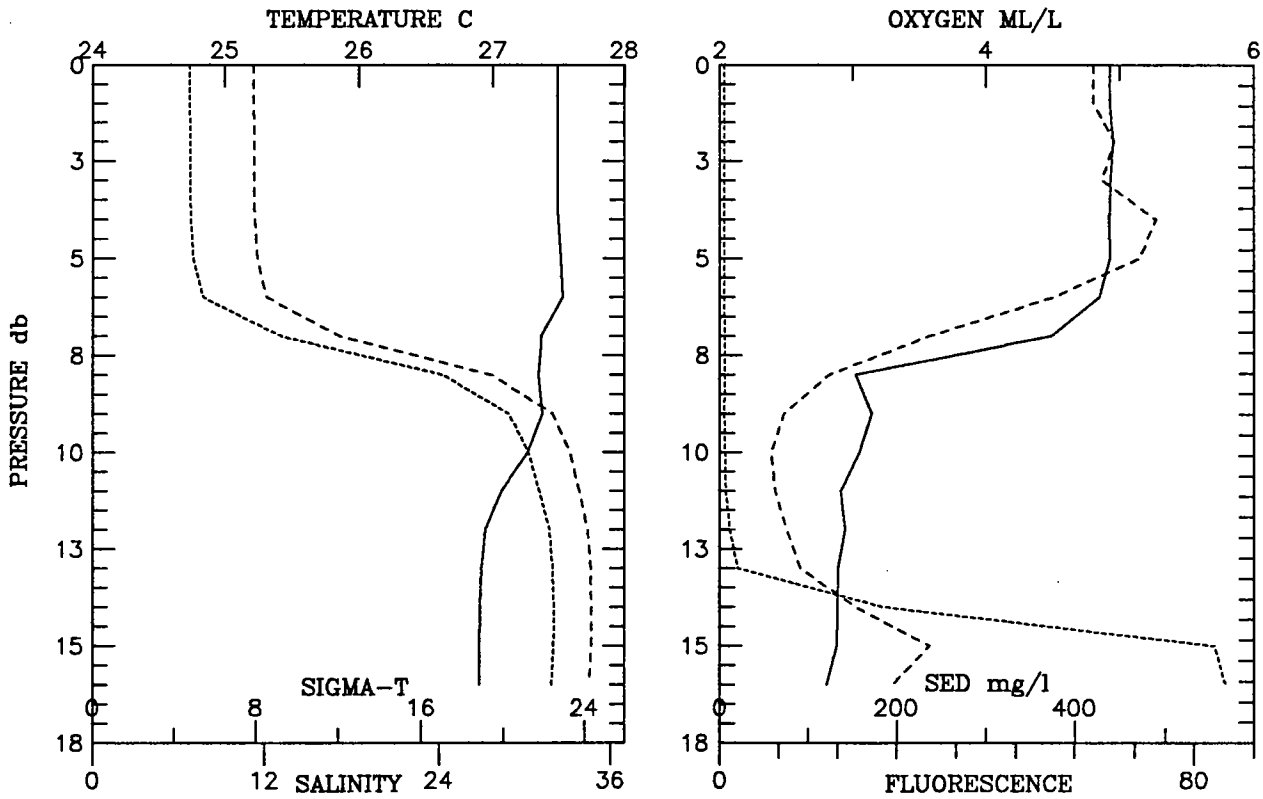
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.537	10.407	4.145	0.0000	5.146	82.4	4.8
1.0		27.537	10.407	4.145	0.0232	5.147	82.4	4.8
2.0		27.537	10.405	4.143	0.0465	5.143	81.0	4.8
3.0		27.538	10.412	4.148	0.0697	5.130	80.2	4.8
4.0		27.547	10.447	4.172	0.0929	5.117	83.6	4.8
5.0		27.556	10.550	4.246	0.1161	5.108	77.5	4.8
6.0		27.559	11.012	4.590	0.1390	5.035	60.2	4.7
7.0		27.481	13.651	6.580	0.1608	4.711	36.1	5.1
8.0		27.295	23.699	14.143	0.1779	3.532	20.1	6.0
9.0		27.357	30.863	19.495	0.1888	3.024	11.3	4.9
10.0		27.284	32.690	20.891	0.1963	3.165	8.7	5.5
11.0		27.127	33.359	21.444	0.2030	2.872	9.1	7.7
12.0		27.016	33.726	21.756	0.2092	2.811	11.4	14.4
13.0		26.963	34.038	22.007	0.2151	2.805	15.1	24.4
14.0		26.924	34.282	22.203	0.2209	2.790	22.0	59.2
15.0		26.910	34.339	22.251	0.2265	2.769	39.2	567.0
16.0		26.913	34.118	22.083	0.2322	2.726	26.1	567.0
17.0		26.921	33.577	21.674	0.2381	2.572	6.9	567.0





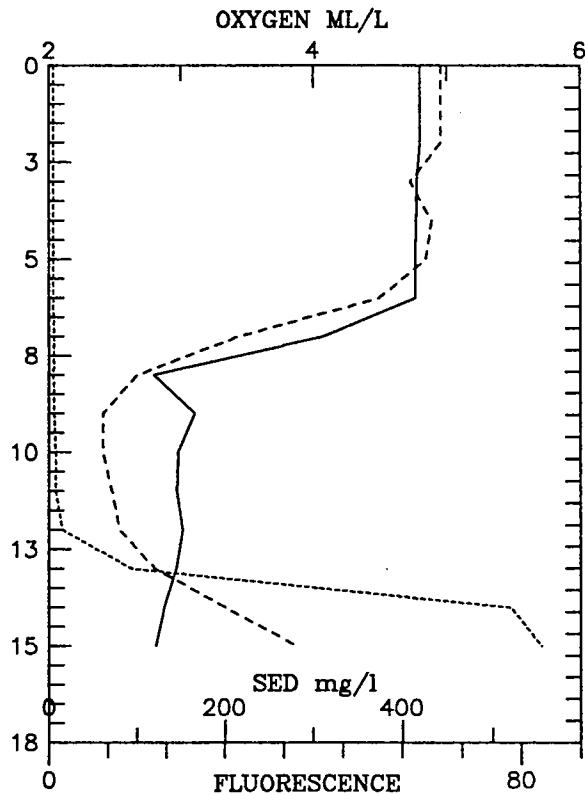
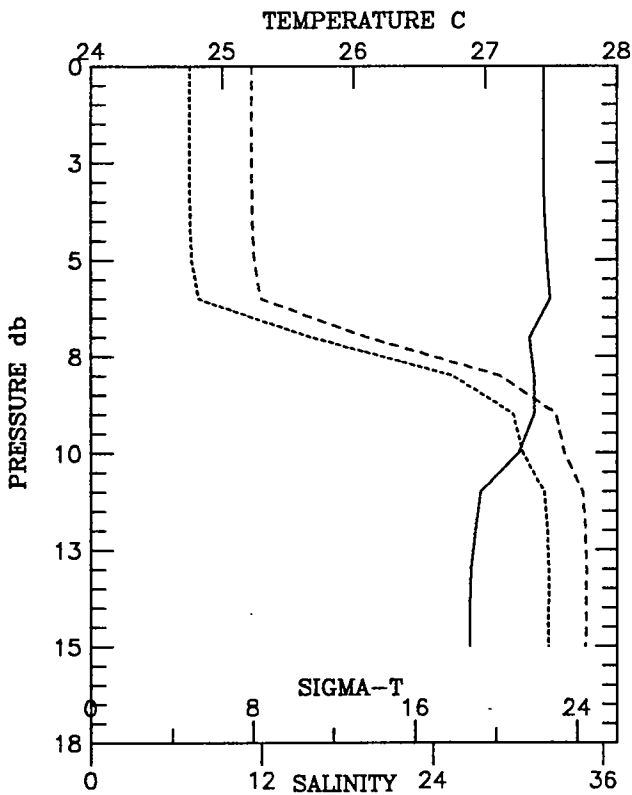
Cruise I9002 Leg 4 Station # 28.15 Depth m:18 Time: 1990-03-19 01:23  
 Position: 2° 32.47'N 49° 46.38'W Depth Deck Offset: -0.23 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.488	11.237	4.778	0.0000	4.929	63.2	4.7
1.0		27.488	11.237	4.778	0.0226	4.930	63.2	4.7
2.0		27.487	11.242	4.782	0.0452	4.953	66.6	4.7
3.0		27.488	11.256	4.792	0.0678	4.931	64.6	4.7
4.0		27.496	11.310	4.830	0.0904	4.920	73.6	4.7
5.0		27.514	11.474	4.947	0.1129	4.930	70.8	4.7
6.0		27.527	12.147	5.445	0.1350	4.851	56.3	4.7
7.0		27.361	17.159	9.234	0.1551	4.493	35.5	5.5
8.0		27.343	27.609	17.057	0.1695	3.025	18.6	5.3
9.0		27.371	31.909	20.276	0.1786	3.146	10.9	5.0
10.0		27.258	33.120	21.223	0.1856	3.058	8.7	5.8
11.0		27.063	33.762	21.768	0.1919	2.917	9.4	6.8
12.0		26.941	34.365	22.261	0.1977	2.949	11.4	11.4
13.0		26.912	34.568	22.423	0.2032	2.894	13.7	20.3
14.0		26.901	34.633	22.475	0.2086	2.892	23.1	185.3
15.0		26.898	34.623	22.468	0.2140	2.885	35.5	555.2
16.0		26.898	34.473	22.355	0.2195	2.807	29.3	567.0



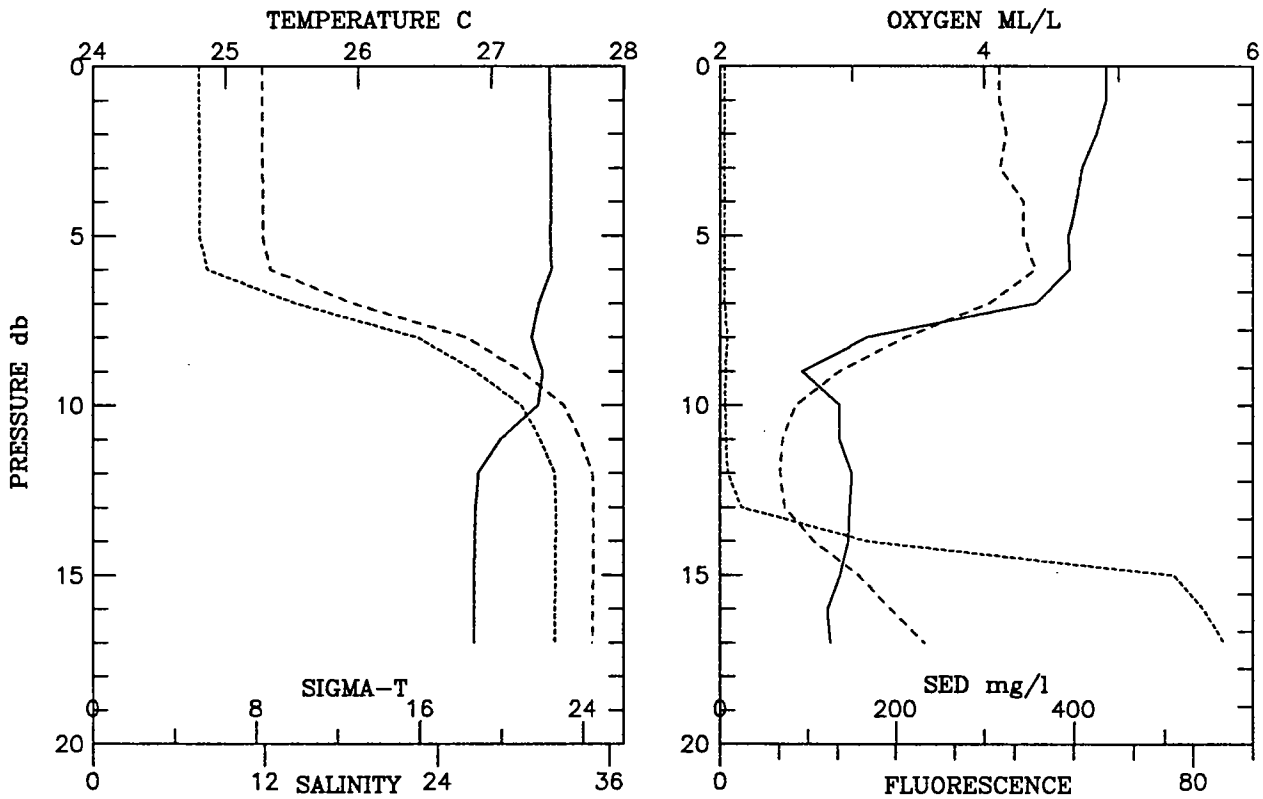
Cruise I9002 Leg 4 Station # 28.16 Depth m:18 Time: 1990-03-19 02:23  
 Position: 2° 32.47'N 49° 46.38'W Depth Deck Offset: -0.25 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.442	11.320	4.854	0.0000	4.800	66.5	4.7
1.0	E	27.441	11.320	4.854	0.0225	4.800	66.5	4.7
2.0		27.441	11.320	4.854	0.0451	4.801	66.5	4.7
3.0		27.441	11.325	4.857	0.0676	4.780	61.4	4.7
4.0		27.448	11.370	4.889	0.0901	4.771	65.0	4.7
5.0		27.461	11.474	4.963	0.1125	4.768	64.0	4.7
6.0		27.490	11.975	5.328	0.1348	4.766	56.2	4.7
7.0		27.331	19.385	10.906	0.1541	4.080	32.4	5.6
8.0		27.366	28.716	17.880	0.1673	2.799	15.1	5.0
9.0		27.369	32.681	20.857	0.1756	3.108	9.2	5.7
10.0		27.253	33.246	21.319	0.1823	2.982	9.2	7.3
11.0		26.962	34.540	22.386	0.1883	2.972	10.8	7.3
12.0		26.919	34.725	22.538	0.1937	3.015	12.1	15.4
13.0		26.888	34.794	22.600	0.1990	2.967	18.2	94.3
14.0		26.878	34.776	22.590	0.2043	2.875	30.1	521.1
15.0		26.876	34.748	22.569	0.2095	2.815	42.3	555.2



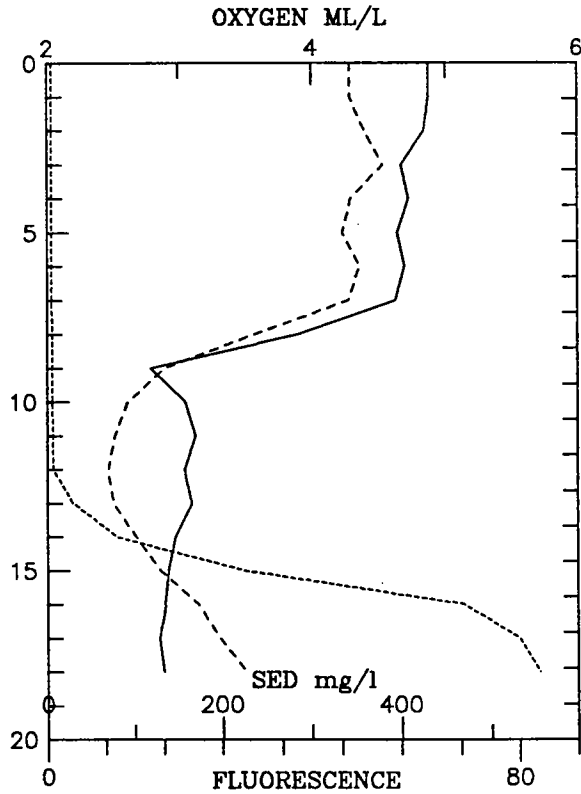
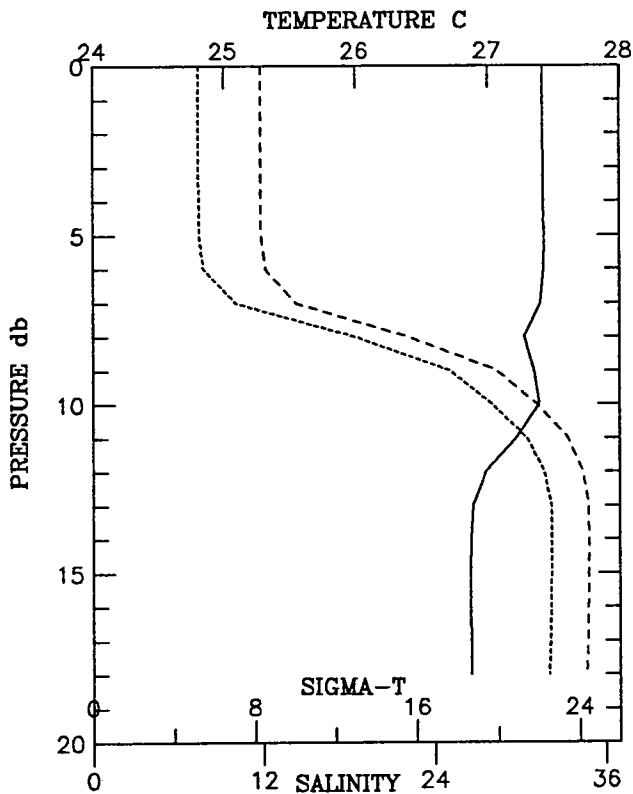
Cruise I9002 Leg 4 Station # 28.17 Depth m:19 Time: 1990-03-19 03:24  
 Position: 2° 32.47'N 49° 46.38'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.440	11.814	5.222	0.0000	4.906	47.6	4.7
1.0		27.440	11.814	5.222	0.0222	4.907	47.6	4.7
2.0		27.443	11.816	5.223	0.0443	4.835	48.7	4.7
3.0		27.447	11.825	5.229	0.0665	4.728	47.7	4.7
4.0		27.450	11.840	5.239	0.0886	4.687	51.6	4.7
5.0		27.447	11.833	5.235	0.1108	4.628	51.6	4.7
6.0		27.453	12.357	5.624	0.1327	4.638	53.6	4.7
7.0		27.358	18.090	9.931	0.1524	4.382	45.9	5.0
8.0		27.302	25.973	15.844	0.1670	3.122	31.7	8.0
9.0		27.387	29.826	18.707	0.1774	2.623	20.4	5.8
10.0		27.351	32.804	20.955	0.1853	2.906	12.9	5.7
11.0		27.068	33.929	21.892	0.1917	2.903	10.6	6.7
12.0		26.895	34.805	22.606	0.1973	2.996	10.2	8.6
13.0		26.878	34.875	22.665	0.2025	2.984	11.0	24.3
14.0		26.871	34.862	22.657	0.2077	2.973	16.0	166.8
15.0		26.868	34.837	22.639	0.2129	2.910	23.6	510.2
16.0		26.867	34.819	22.626	0.2182	2.819	29.1	543.6
17.0		26.866	34.784	22.600	0.2234	2.839	34.9	567.0



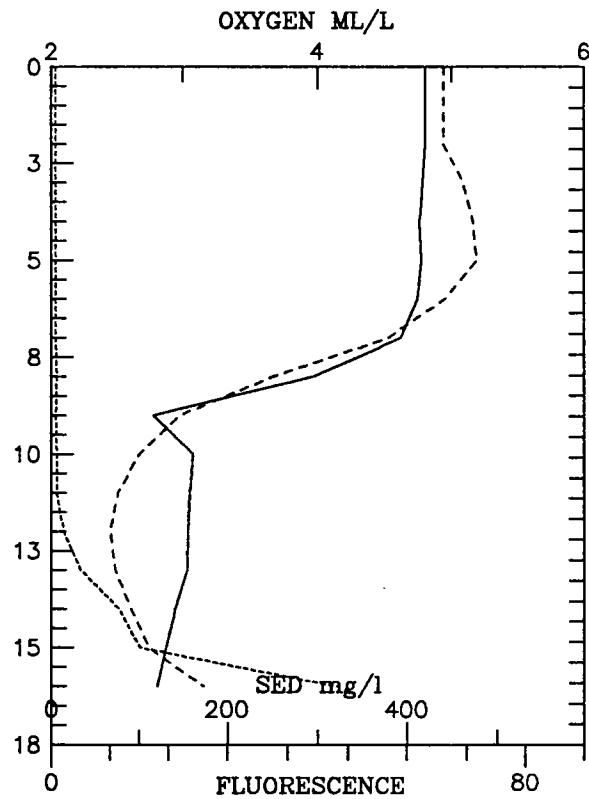
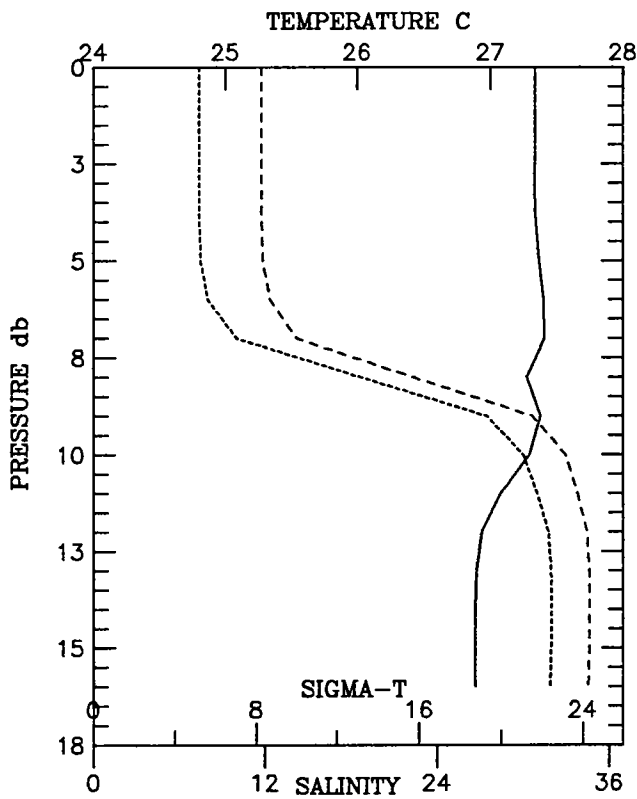
Cruise I9002 Leg 4 Station # 28.18 Depth m:19 Time: 1990-03-19 04:21  
 Position: 2° 32.40'N 49° 46.44'W Depth Deck Offset: -0.15 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.415	11.832	5.243	0.0000	4.875	51.4	4.7
1.0		27.415	11.832	5.243	0.0221	4.875	51.4	4.7
2.0		27.417	11.832	5.243	0.0443	4.839	53.9	4.7
3.0		27.418	11.833	5.243	0.0664	4.670	57.0	4.7
4.0		27.421	11.854	5.258	0.0886	4.725	51.6	4.7
5.0		27.425	11.867	5.267	0.1107	4.642	50.2	4.7
6.0		27.421	12.163	5.488	0.1327	4.697	53.1	4.7
7.0		27.398	14.313	7.099	0.1538	4.628	51.2	4.8
8.0		27.277	22.202	13.028	0.1712	3.901	35.4	5.7
9.0		27.349	28.352	17.612	0.1835	2.793	20.2	5.3
10.0		27.386	31.123	19.681	0.1925	3.057	13.9	5.2
11.0		27.212	33.339	21.402	0.1998	3.132	11.6	6.6
12.0		26.977	34.383	22.263	0.2058	3.050	10.5	6.5
13.0		26.880	34.780	22.592	0.2112	3.104	11.4	29.6
14.0		26.869	34.799	22.610	0.2164	2.977	15.3	80.0
15.0		26.864	34.780	22.597	0.2217	2.927	19.5	224.1
16.0		26.864	34.748	22.573	0.2270	2.902	25.9	468.9
17.0		26.865	34.703	22.539	0.2323	2.856	29.6	532.2
18.0		26.869	34.623	22.478	0.2376	2.888	34.0	555.2



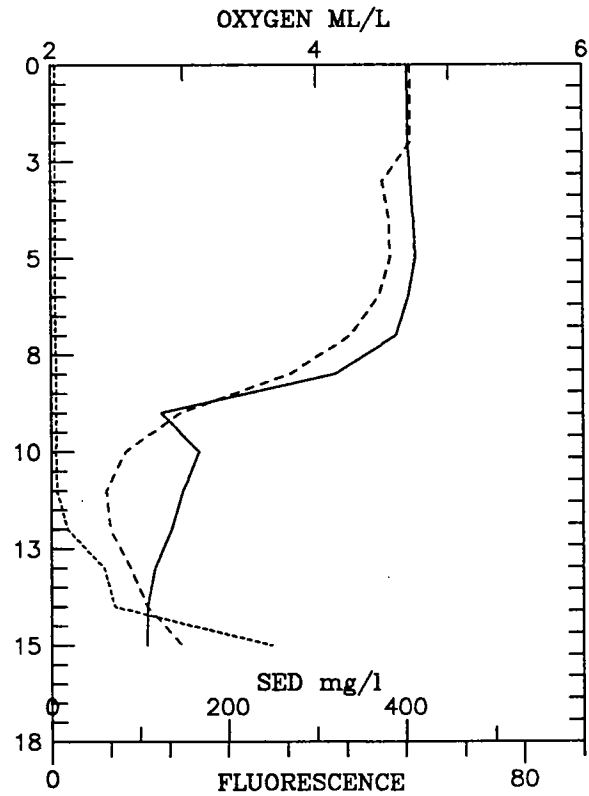
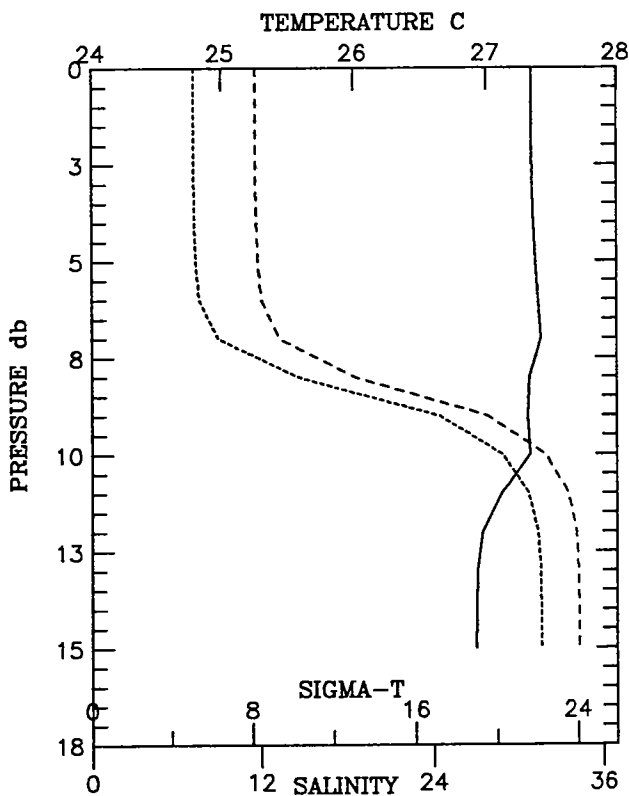
Cruise I9002 Leg 4 Station # 28.19 Depth m:18 Time: 1990-03-19 05:22  
 Position: 2° 32.43'N 49° 46.38'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.333	11.755	5.210	0.0000	4.805	66.2	4.7
1.0	E	27.332	11.755	5.210	0.0222	4.806	66.2	4.7
2.0		27.332	11.755	5.210	0.0443	4.806	66.2	4.7
3.0		27.329	11.752	5.209	0.0665	4.786	69.5	4.7
4.0		27.338	11.763	5.214	0.0887	4.765	71.1	4.7
5.0		27.361	11.864	5.283	0.1108	4.776	71.7	4.7
6.0		27.398	12.334	5.622	0.1328	4.748	66.4	4.7
7.0		27.399	14.234	7.039	0.1538	4.619	56.8	4.9
8.0		27.269	22.376	13.161	0.1712	3.968	37.6	5.9
9.0		27.371	30.614	19.304	0.1826	2.776	22.0	5.0
10.0		27.291	32.927	21.067	0.1902	3.079	15.1	5.9
11.0		27.074	33.760	21.763	0.1966	3.057	11.4	6.2
12.0		26.930	34.425	22.309	0.2024	3.041	10.1	14.1
13.0		26.891	34.581	22.439	0.2078	3.037	11.0	33.6
14.0		26.883	34.590	22.448	0.2133	2.943	13.7	77.4
15.0		26.880	34.579	22.441	0.2187	2.875	16.7	101.5
16.0		26.882	34.507	22.386	0.2241	2.806	26.0	320.7



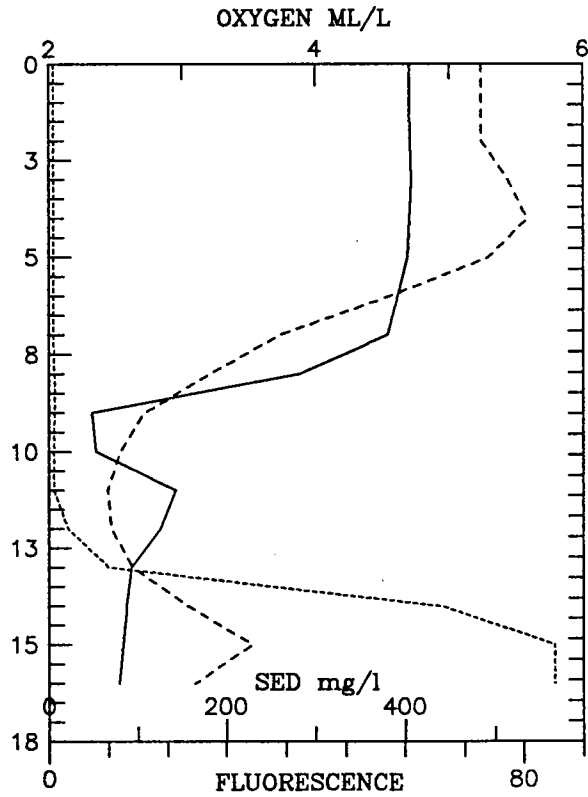
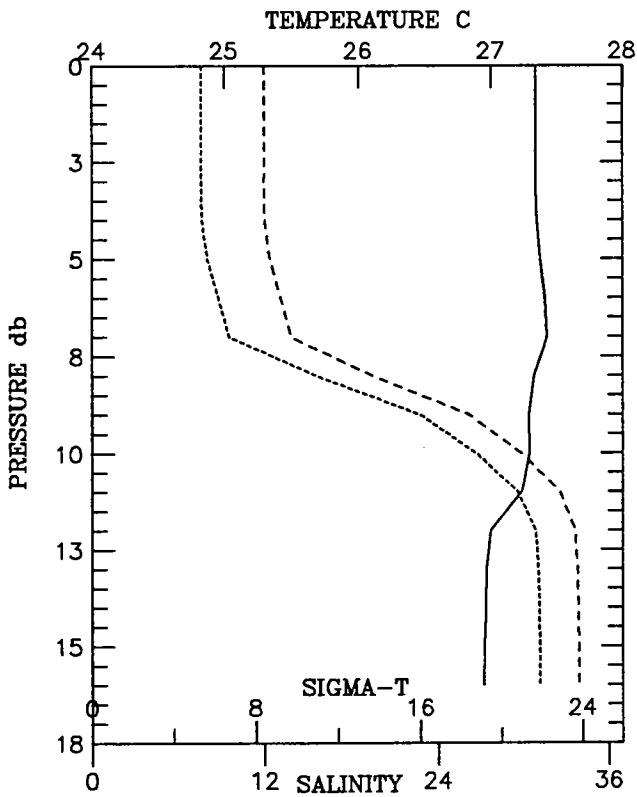
Cruise I9002 Leg 4 Station # 28.20 Depth m:17 Time: 1990-03-19 06:21  
 Position: 2° 32.44'N 49° 46.39'W Depth Deck Offset: -0.20 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.343	11.680	5.151	0.0000	4.691	61.1	4.7
1.0	E	27.342	11.680	5.151	0.0222	4.692	61.1	4.7
2.0		27.342	11.680	5.151	0.0445	4.692	61.1	4.7
3.0		27.347	11.689	5.157	0.0667	4.714	56.3	4.7
4.0		27.355	11.720	5.177	0.0889	4.736	57.4	4.7
5.0		27.371	11.818	5.246	0.1111	4.747	57.6	4.7
6.0		27.389	12.056	5.418	0.1331	4.696	55.6	4.7
7.0		27.411	13.346	6.374	0.1546	4.602	50.8	4.8
8.0		27.323	18.594	10.318	0.1737	4.141	40.5	5.5
9.0		27.307	27.749	17.173	0.1875	2.832	22.0	5.6
10.0		27.327	31.867	20.259	0.1965	3.120	12.6	5.0
11.0		27.108	33.492	21.550	0.2034	2.999	9.3	6.1
12.0		26.962	34.046	22.014	0.2094	2.908	10.0	18.1
13.0		26.923	34.196	22.139	0.2152	2.785	13.4	59.4
14.0		26.920	34.227	22.163	0.2209	2.726	16.3	71.6
15.0		26.916	34.221	22.160	0.2266	2.718	22.2	249.0



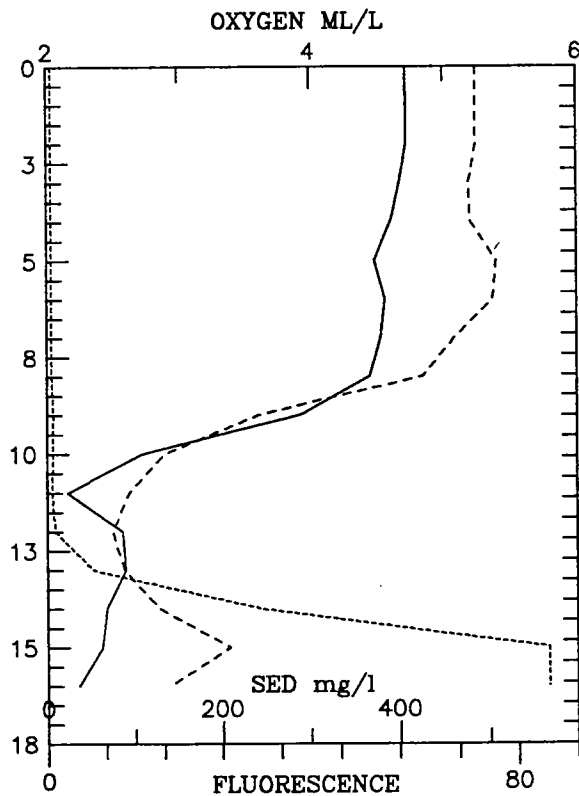
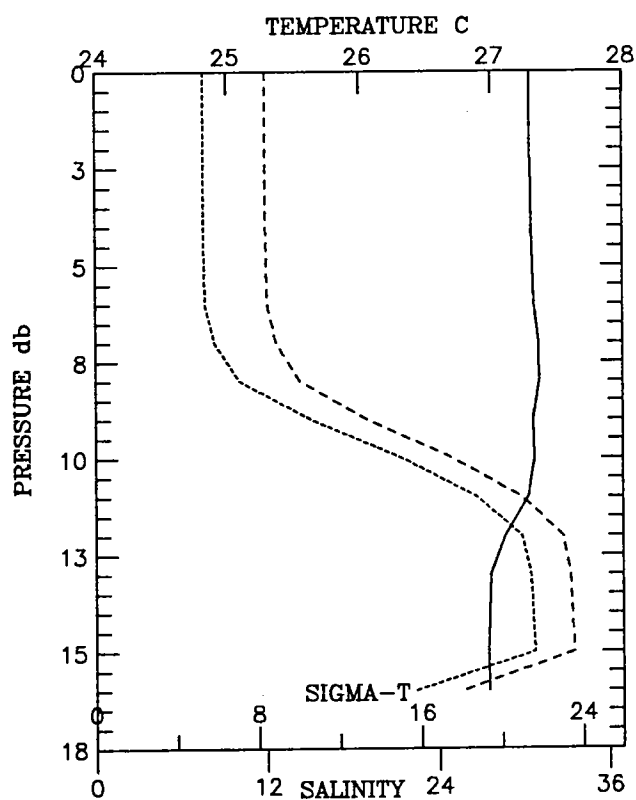
Cruise I9002 Leg 4 Station # 28.21 Depth m:18 Time: 1990-03-19 07:20  
 Position: 2° 32.44'N 49° 46.38'W Depth Deck Offset: -0.20 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.340	11.973	5.370	0.0000	4.706	72.9	4.7
1.0	E	27.340	11.972	5.370	0.0220	4.706	72.9	4.7
2.0		27.340	11.972	5.370	0.0440	4.707	72.9	4.7
3.0		27.339	11.964	5.364	0.0660	4.718	77.3	4.7
4.0		27.345	12.008	5.395	0.0881	4.704	80.6	4.7
5.0		27.373	12.380	5.664	0.1099	4.691	74.1	4.7
6.0		27.404	13.118	6.206	0.1314	4.615	57.6	4.7
7.0		27.417	13.824	6.728	0.1523	4.541	39.1	4.8
8.0		27.326	19.454	10.959	0.1709	3.887	27.3	5.8
9.0		27.283	26.141	15.975	0.1850	2.325	16.1	6.0
10.0		27.292	29.841	18.748	0.1953	2.353	12.0	5.1
11.0		27.229	32.543	20.798	0.2032	2.954	9.9	5.5
12.0		26.995	33.617	21.680	0.2098	2.835	10.5	21.5
13.0		26.959	33.774	21.810	0.2159	2.619	14.2	67.3
14.0		26.953	33.832	21.855	0.2219	2.579	23.5	440.2
15.0		26.944	33.864	21.882	0.2278	2.557	34.4	567.0
16.0		26.938	33.863	21.884	0.2338	2.528	24.7	567.0



Cruise I9002 Leg 4 Station # 28.22 Depth m:18 Time: 1990-03-19 08:20  
 Position: 2° 32.44'N 49° 46.39'W Depth Deck Offset: -0.15 Fish 2

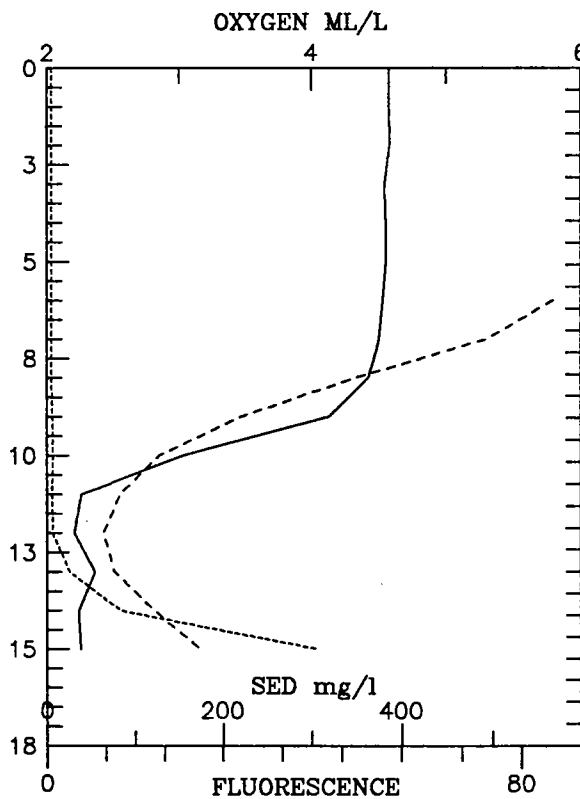
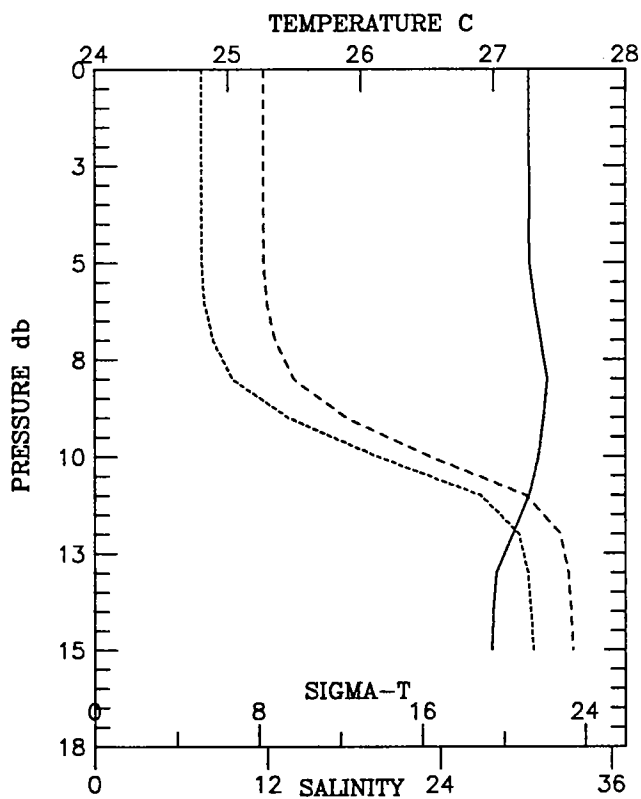
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.294	11.931	5.352	0.0000	4.726	73.0	4.7
1.0	E	27.294	11.931	5.352	0.0220	4.727	73.0	4.7
2.0		27.294	11.931	5.353	0.0441	4.727	73.0	4.7
3.0		27.303	11.953	5.366	0.0661	4.673	71.8	4.7
4.0		27.306	11.962	5.372	0.0881	4.610	72.1	4.7
5.0		27.311	11.987	5.389	0.1101	4.491	76.4	4.7
6.0		27.323	12.052	5.434	0.1321	4.569	75.7	4.7
7.0		27.357	12.682	5.894	0.1538	4.537	69.3	4.7
8.0		27.363	14.326	7.119	0.1747	4.451	64.0	5.0
9.0		27.312	19.027	10.644	0.1933	3.934	36.4	6.7
10.0		27.322	24.967	15.084	0.2079	2.732	20.2	6.2
11.0		27.275	29.865	18.772	0.2186	2.152	14.0	5.2
12.0		27.102	32.726	20.976	0.2265	2.574	11.2	8.7
13.0		26.988	33.254	21.409	0.2331	2.595	13.2	52.6
14.0		26.979	33.374	21.503	0.2395	2.451	19.3	243.8
15.0		26.968	33.508	21.607	0.2457	2.415	31.4	567.0
16.0		26.976	25.669	15.716	0.2548	2.235	21.0	567.0





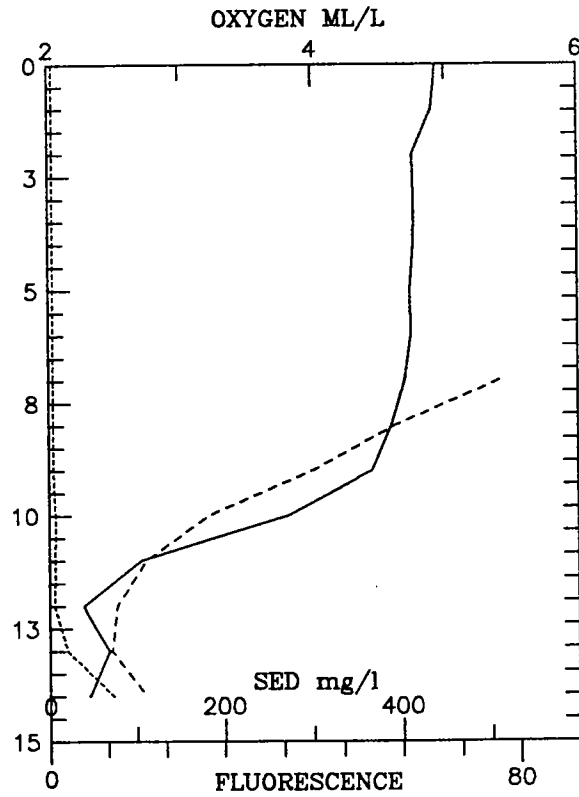
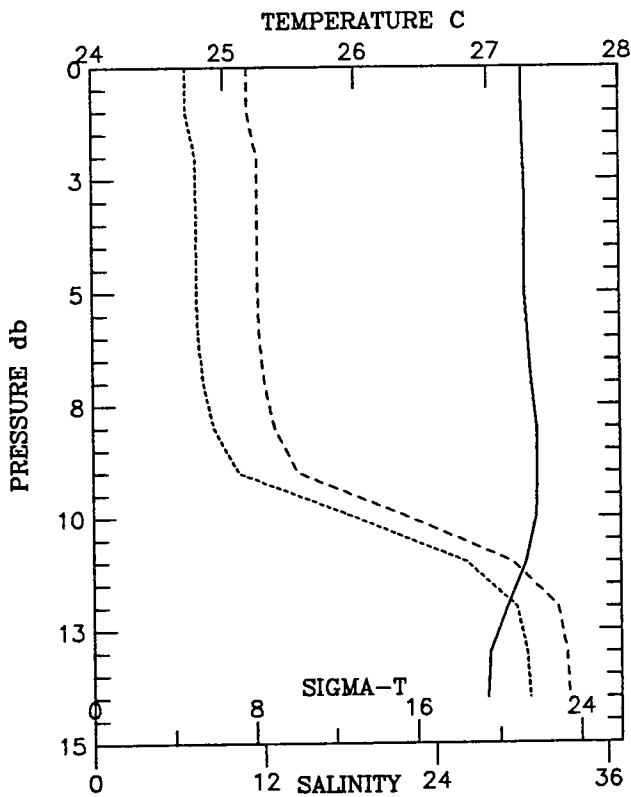
Cruise 19002 Leg 4 Station # 28.23 Depth m:17 Time: 1990-03-19 09:21  
 Position: 2° 32.39'N 49° 46.43'W Depth Deck Offset: -0.23 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.265	11.727	5.209	0.0000	4.581	95.8	4.8
1.0	E	27.265	11.727	5.209	0.0222	4.581	95.8	4.8
2.0		27.265	11.727	5.209	0.0443	4.582	95.8	4.8
3.0		27.271	11.734	5.212	0.0665	4.542	95.7	4.8
4.0		27.266	11.730	5.211	0.0887	4.556	92.2	4.8
5.0		27.270	11.735	5.213	0.1109	4.553	90.2	4.8
6.0		27.311	11.916	5.336	0.1330	4.529	85.3	4.8
7.0		27.359	12.530	5.780	0.1548	4.499	74.1	4.8
8.0		27.403	13.799	6.714	0.1760	4.423	52.3	4.8
9.0		27.375	17.473	9.465	0.1953	4.134	33.1	5.7
10.0		27.337	23.276	13.813	0.2112	3.031	19.1	6.7
11.0		27.265	29.971	18.854	0.2224	2.258	12.4	5.3
12.0		27.146	32.419	20.731	0.2304	2.206	9.6	6.1
13.0		27.020	32.955	21.174	0.2372	2.361	11.5	25.7
14.0		26.994	33.151	21.330	0.2438	2.239	18.3	83.6
15.0		26.982	33.293	21.441	0.2502	2.255	26.1	307.5



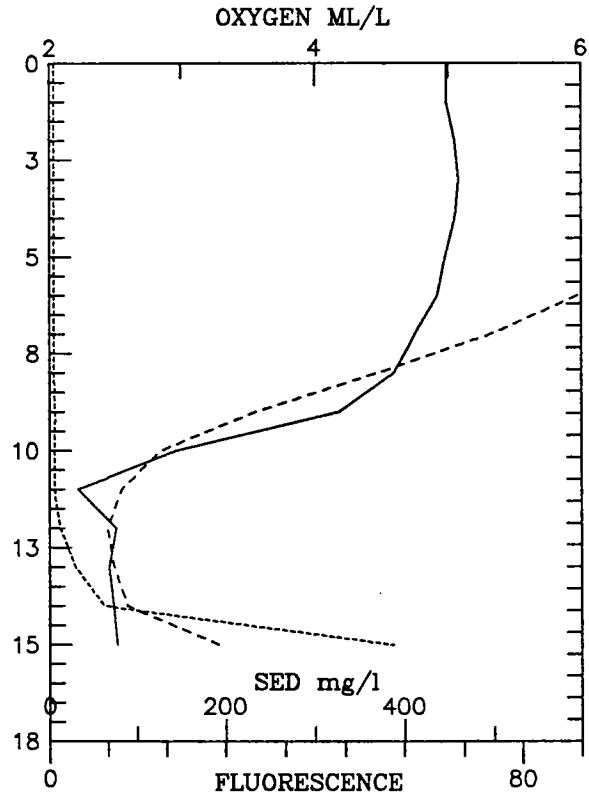
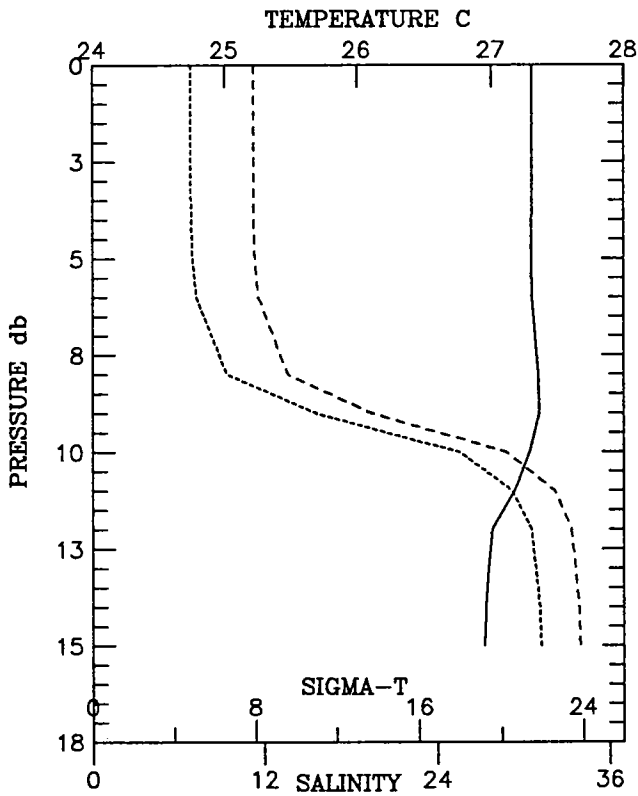
Cruise I9002 Leg 4 Station # 28.24 Depth m:16 Time: 1990-03-19 10:24  
 Position: 2° 32.40'N 49° 46.44'W Depth Deck Offset: -0.30 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.261	10.953	4.633	0.0000	4.931	90.4	4.8
1.0		27.261	10.953	4.633	0.0262	4.904	90.7	4.8
2.0		27.272	11.611	5.120	0.0487	4.756	90.1	4.8
3.0		27.278	11.626	5.130	0.0710	4.767	91.7	4.8
4.0		27.277	11.624	5.129	0.0932	4.761	90.1	4.8
5.0		27.277	11.628	5.131	0.1155	4.740	95.9	4.8
6.0		27.298	11.744	5.212	0.1377	4.744	90.5	4.7
7.0		27.326	12.071	5.448	0.1598	4.693	76.6	4.7
8.0		27.360	12.773	5.961	0.1815	4.591	58.9	4.6
9.0		27.365	14.401	7.174	0.2023	4.449	45.1	4.8
10.0		27.352	22.158	12.972	0.2197	3.819	27.4	6.9
11.0		27.272	29.331	18.372	0.2316	2.701	16.7	6.5
12.0		27.135	32.540	20.826	0.2398	2.258	11.6	5.2
13.0		27.003	33.136	21.316	0.2465	2.454	10.7	20.2
14.0		26.985	33.326	21.465	0.2529	2.306	16.7	73.0



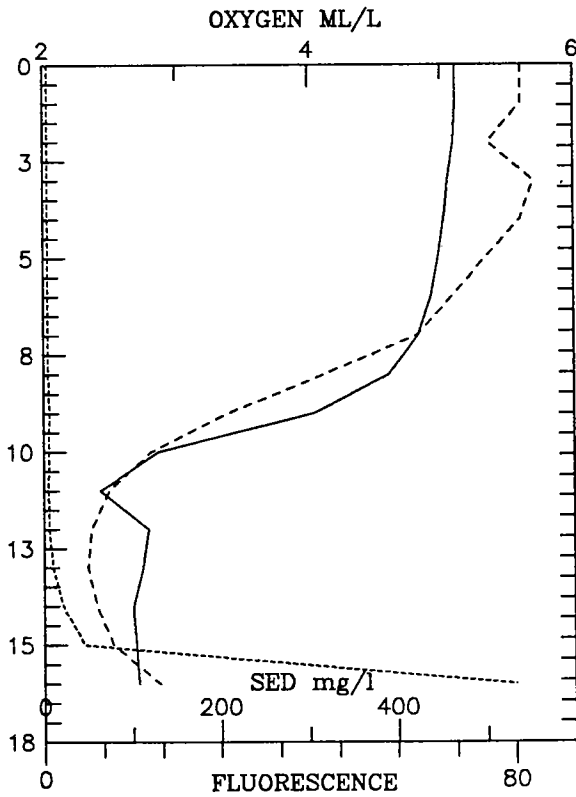
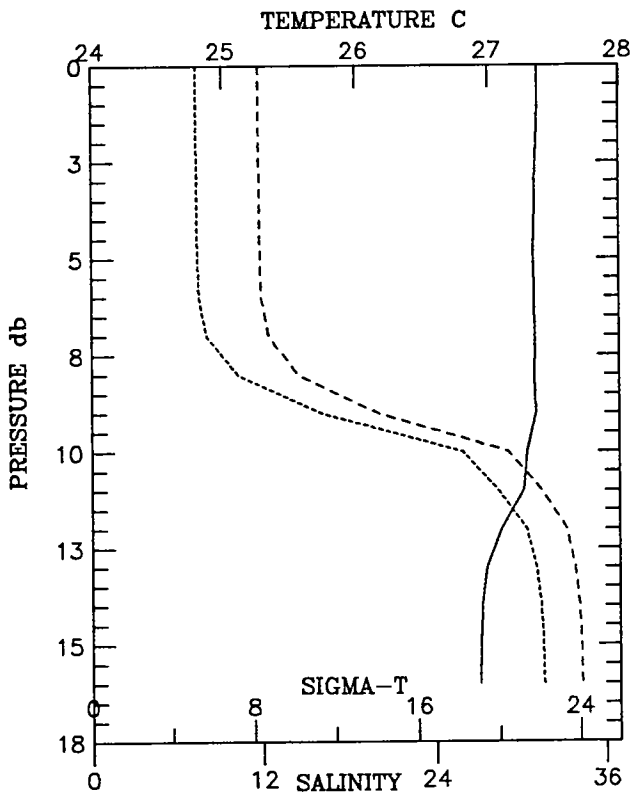
Cruise 19002 Leg 4 Station # 28.25 Depth m:17 Time: 1990-03-19 11:19  
 Position: 2° 32.39'N 49° 46.45'W Depth Deck Offset: -0.20 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.303	11.250	4.842	0.0000	4.984	95.7	4.9
1.0		27.303	11.250	4.842	0.0225	4.984	95.7	4.9
2.0		27.302	11.248	4.841	0.0451	5.050	97.4	4.9
3.0		27.301	11.245	4.839	0.0676	5.078	100.0	4.9
4.0		27.301	11.267	4.855	0.0901	5.050	100.0	4.9
5.0		27.299	11.346	4.915	0.1126	4.975	99.9	4.8
6.0		27.304	11.599	5.102	0.1350	4.918	89.3	4.8
7.0		27.329	12.621	5.857	0.1569	4.746	74.5	4.8
8.0		27.355	13.626	6.599	0.1781	4.594	55.5	4.9
9.0		27.356	19.520	10.999	0.1967	4.180	35.1	5.8
10.0		27.283	28.737	17.922	0.2099	2.967	19.0	5.7
11.0		27.173	32.113	20.493	0.2184	2.218	12.4	5.2
12.0		27.003	33.297	21.437	0.2252	2.509	9.9	12.0
13.0		26.972	33.566	21.649	0.2315	2.453	11.1	29.6
14.0		26.953	33.815	21.842	0.2375	2.490	13.4	62.5
15.0		26.946	33.905	21.913	0.2435	2.516	29.0	387.8



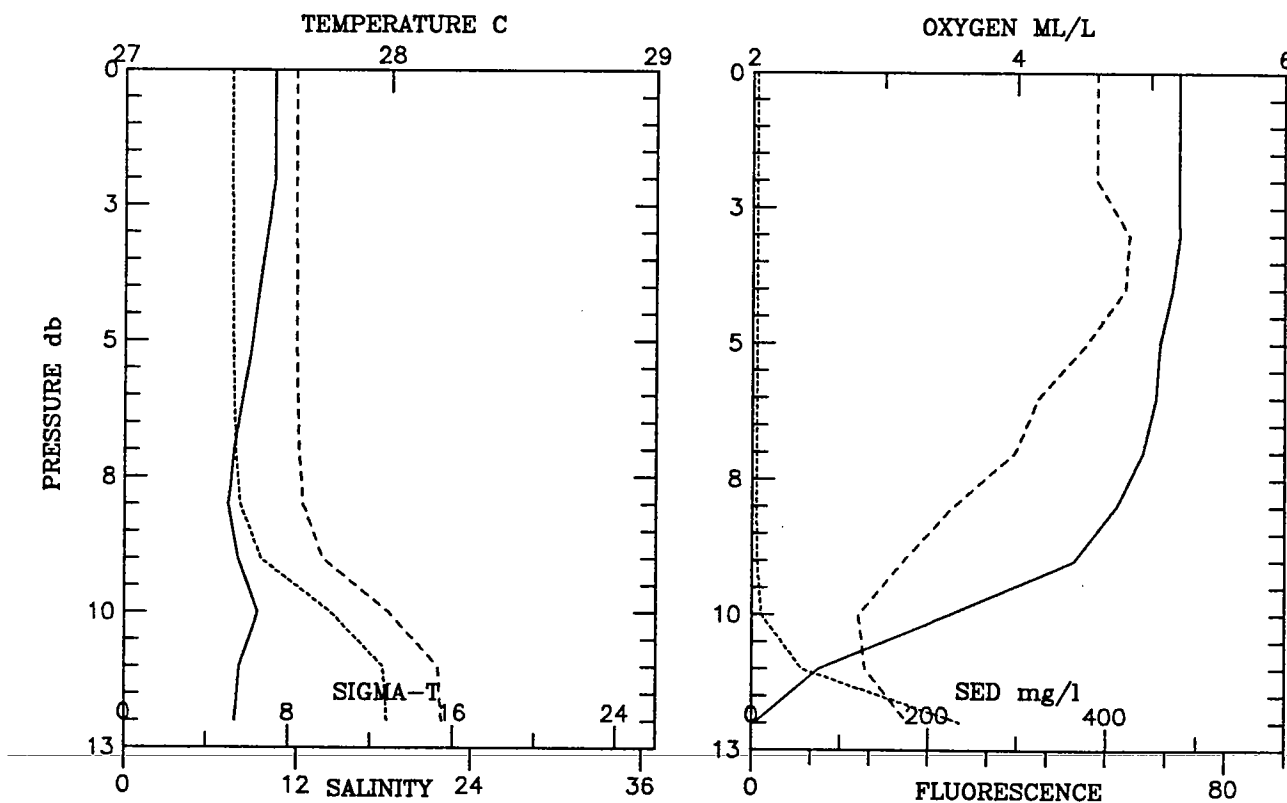
Cruise I9002 Leg 4 Station # 28.26 Depth m:17 Time: 1990-03-19 12:21  
 Position: 2° 32.39'N 49° 46.44'W Depth Deck Offset: 0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.375	11.818	5.245	0.0000	5.111	4.8
1.0		27.375	11.818	5.245	0.0221	5.111	4.8
2.0		27.369	11.822	5.249	0.0443	5.095	4.8
3.0		27.355	11.834	5.262	0.0664	5.055	4.8
4.0		27.348	11.846	5.273	0.0885	5.025	4.7
5.0		27.343	11.878	5.299	0.1106	4.983	4.7
6.0		27.346	11.950	5.352	0.1327	4.930	4.7
7.0		27.355	12.449	5.721	0.1545	4.830	4.7
8.0		27.346	14.498	7.252	0.1754	4.607	5.0
9.0		27.356	20.012	11.367	0.1936	4.044	6.0
10.0		27.290	29.099	18.191	0.2064	2.867	5.3
11.0		27.260	31.419	19.943	0.2150	2.423	5.0
12.0		27.089	33.209	21.343	0.2222	2.789	5.4
13.0		26.977	33.790	21.816	0.2284	2.744	9.9
14.0		26.943	34.087	22.051	0.2343	2.671	21.1
15.0		26.931	34.215	22.151	0.2401	2.693	45.4
16.0		26.925	34.259	22.186	0.2457	2.713	532.2



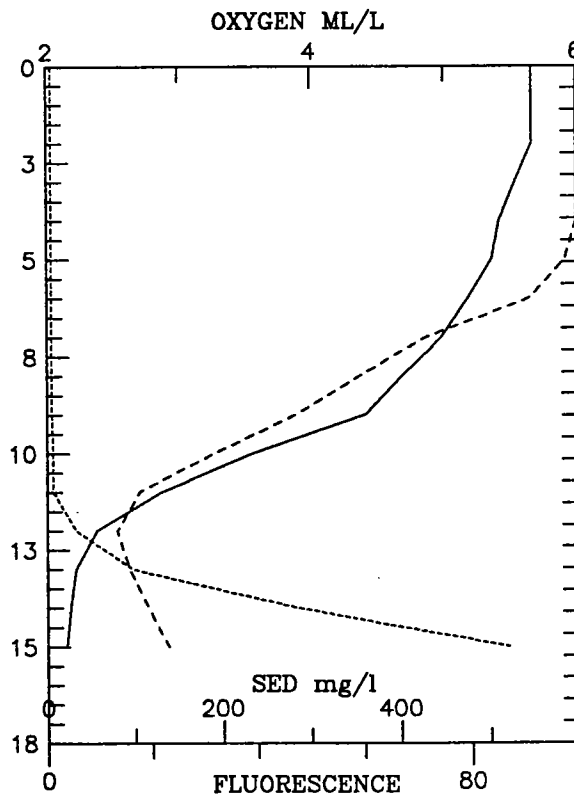
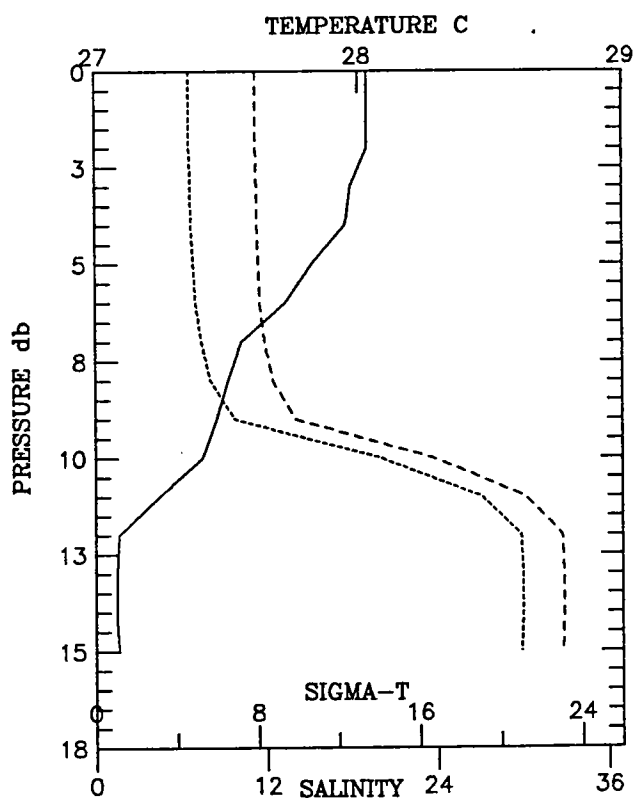
Cruise I9002 Leg 4 Station # 29.00 Depth m:15 Time: 1990-03-19 15:07  
 Position: 2° 18.32'N 49° 59.98'W Depth Deck Offset: -0.15 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 27.563	11.895	5.246	0.0000	5.209	58.5	4.8
1.0	E 27.563	11.895	5.247	0.0221	5.210	58.5	4.8
2.0	27.563	11.895	5.247	0.0443	5.210	58.5	4.8
3.0	27.536	11.906	5.263	0.0664	5.212	63.9	4.8
4.0	27.507	11.927	5.287	0.0885	5.160	63.2	4.8
5.0	27.480	11.955	5.316	0.1106	5.066	56.7	4.8
6.0	27.447	12.006	5.364	0.1326	5.038	48.6	4.8
7.0	27.412	12.115	5.455	0.1546	4.944	44.7	4.8
8.0	27.389	12.405	5.678	0.1764	4.744	34.2	4.9
9.0	27.429	13.773	6.687	0.1977	4.427	25.8	5.6
10.0	27.503	18.358	10.087	0.2167	3.486	18.2	10.4
11.0	27.436	21.715	12.616	0.2328	2.504	19.3	56.4
12.0	27.418	21.959	12.803	0.2476	2.021	26.7	238.7



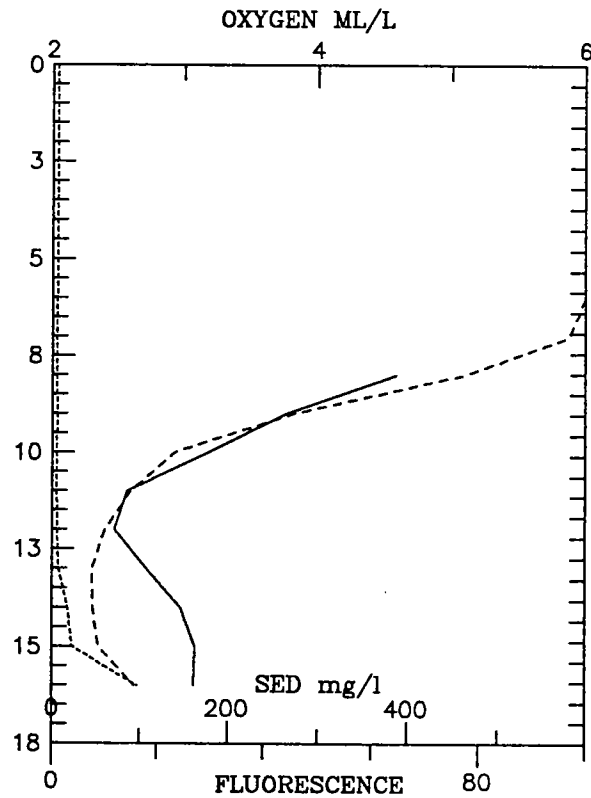
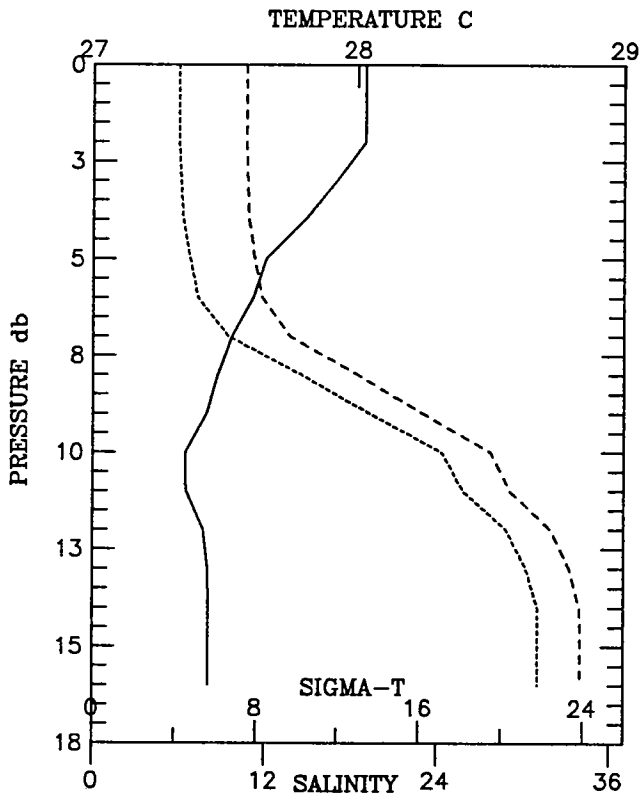
Cruise 19002 Leg 4 Station # 30.00 Depth m:17 Time: 1990-03-19 16:36  
 Position: 2° 23.36'N 49° 44.97'W Depth Deck Offset: 0.12 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.033	11.286	4.653	0.0000	5.662	100.0	5.1
1.0	E	28.033	11.286	4.653	0.0227	5.663	100.0	5.1
2.0		28.032	11.286	4.654	0.0454	5.664	100.0	5.1
3.0		27.970	11.337	4.710	0.0681	5.539	100.0	5.1
4.0		27.947	11.358	4.733	0.0908	5.415	100.0	5.1
5.0		27.822	11.454	4.841	0.1134	5.362	97.8	5.0
6.0		27.721	11.556	4.947	0.1359	5.180	91.2	4.9
7.0		27.554	11.899	5.252	0.1582	4.979	71.6	4.8
8.0		27.501	12.439	5.670	0.1801	4.686	59.2	4.8
9.0		27.458	14.046	6.882	0.2012	4.414	47.3	5.0
10.0		27.406	23.623	14.052	0.2182	3.564	31.7	6.4
11.0		27.240	30.154	19.000	0.2293	2.870	17.5	6.6
12.0		27.088	32.730	20.983	0.2371	2.376	13.3	32.8
13.0		27.081	32.848	21.074	0.2439	2.215	15.6	97.1
14.0		27.081	32.833	21.063	0.2506	2.173	19.3	282.6
15.0		27.087	32.760	21.006	0.2574	2.144	23.1	521.1



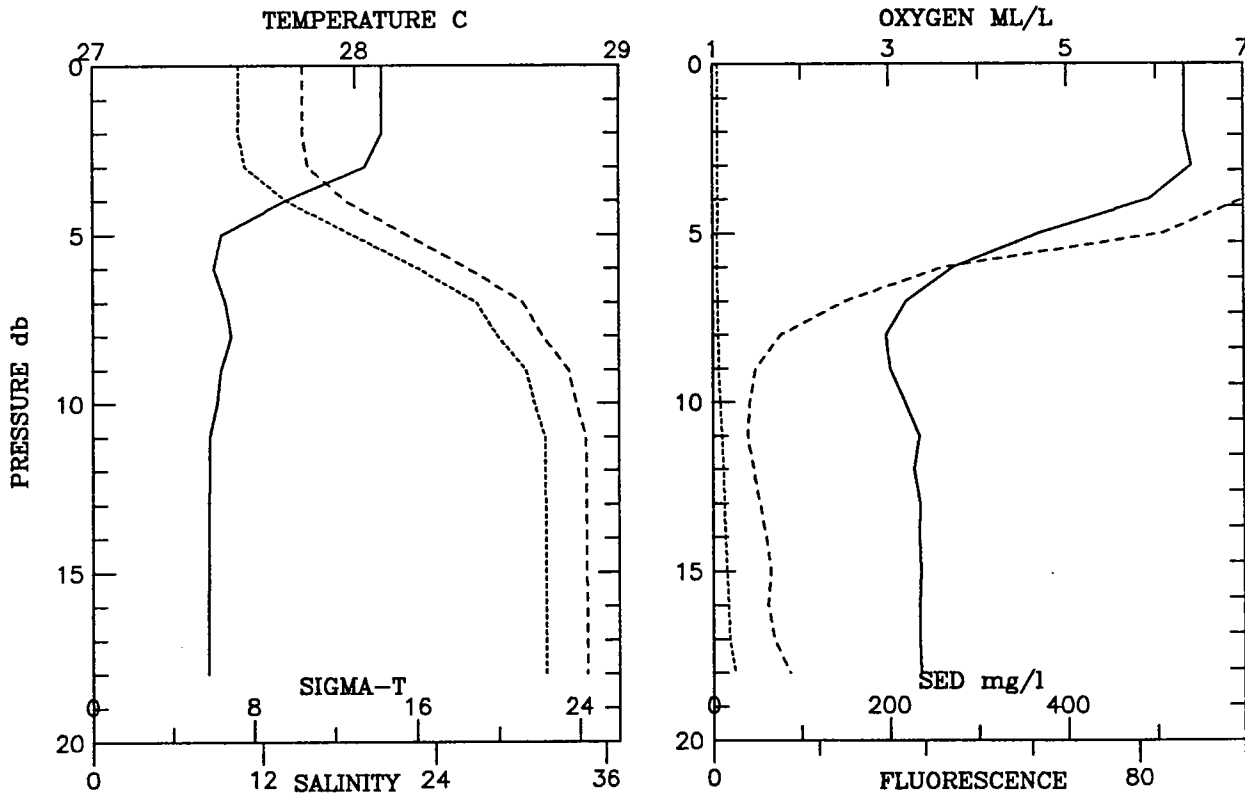
Cruise I9002 Leg 4 Station # 31.00 Depth m:18 Time: 1990-03-19 18:05  
 Position: 2° 34.03'N 49° 31.29'W Depth Deck Offset: 0.15 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.029	10.674	4.199	0.0000	0.000	100.0	5.6
1.0	E	28.029	10.674	4.199	0.0232	0.000	100.0	5.6
2.0		28.029	10.674	4.199	0.0464	0.000	100.0	5.6
3.0		27.920	10.759	4.294	0.0695	0.000	100.0	5.5
4.0		27.799	10.865	4.409	0.0925	0.000	100.0	5.3
5.0		27.654	11.271	4.755	0.1153	0.000	100.0	5.3
6.0		27.604	11.788	5.155	0.1377	0.000	100.0	5.1
7.0		27.525	13.747	6.639	0.1592	0.000	96.9	4.9
8.0		27.469	18.550	10.240	0.1782	4.582	76.9	5.0
9.0		27.429	23.034	13.604	0.1938	3.763	45.4	5.2
10.0		27.349	27.710	17.131	0.2060	3.191	23.3	5.0
11.0		27.351	29.069	18.149	0.2160	2.572	15.0	5.0
12.0		27.417	31.891	20.248	0.2246	2.472	10.1	5.4
13.0		27.436	33.191	21.219	0.2316	2.716	7.6	7.2
14.0		27.438	33.939	21.781	0.2379	2.977	7.7	17.8
15.0		27.438	33.955	21.793	0.2440	3.088	8.8	22.7
16.0		27.438	33.950	21.789	0.2500	3.080	15.6	96.8



Cruise 19002 Leg 4 Station # 32.00 Depth m:20 Time: 1990-03-19 19:06  
 Position: 2° 41.06'N 49° 22.41'W Depth Deck Offset: 0.15 Fish 2

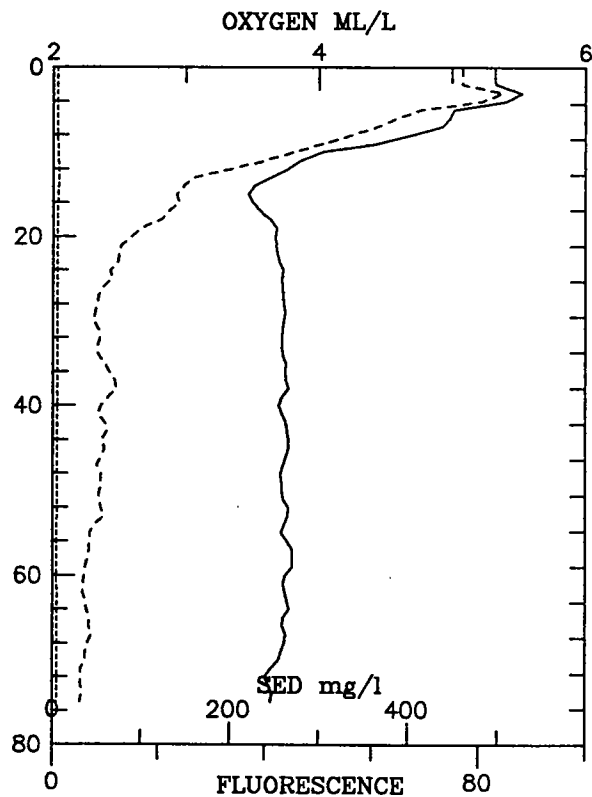
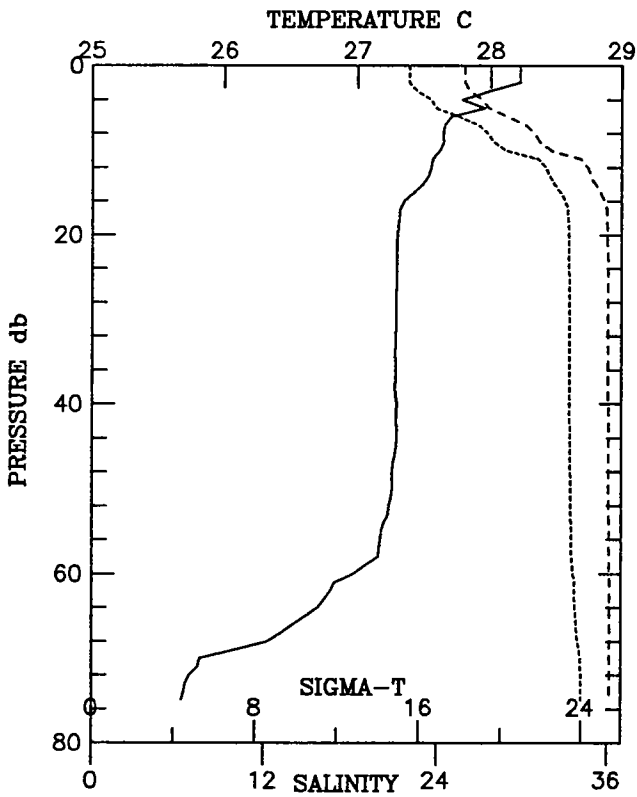
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.099	14.832	7.276	0.0000	6.329	100.0	5.2
1.0	E	28.099	14.832	7.276	0.0201	6.329	100.0	5.2
2.0		28.099	14.831	7.275	0.0403	6.330	100.0	5.2
3.0		28.035	15.229	7.591	0.0602	6.409	100.0	5.2
4.0		27.737	17.852	9.638	0.0791	5.929	100.0	5.3
5.0		27.495	22.067	12.861	0.0953	4.682	84.7	5.1
6.0		27.466	26.370	16.090	0.1084	3.726	43.5	4.8
7.0		27.509	30.158	18.917	0.1185	3.197	25.1	5.3
8.0		27.532	31.553	19.957	0.1268	2.965	12.9	5.7
9.0		27.494	33.376	21.340	0.1340	3.013	8.1	6.2
10.0		27.479	33.950	21.776	0.1402	3.177	7.0	7.9
11.0		27.449	34.607	22.280	0.1460	3.337	6.6	9.9
12.0		27.449	34.631	22.298	0.1516	3.280	7.7	11.8
13.0		27.446	34.646	22.311	0.1571	3.346	8.9	12.6
14.0		27.447	34.649	22.313	0.1627	3.342	10.1	13.6
15.0		27.446	34.655	22.317	0.1682	3.351	10.9	15.4
16.0		27.444	34.660	22.321	0.1737	3.341	10.4	16.9
17.0		27.444	34.665	22.325	0.1793	3.336	11.5	18.5
18.0		27.443	34.668	22.328	0.1848	3.352	14.5	24.9





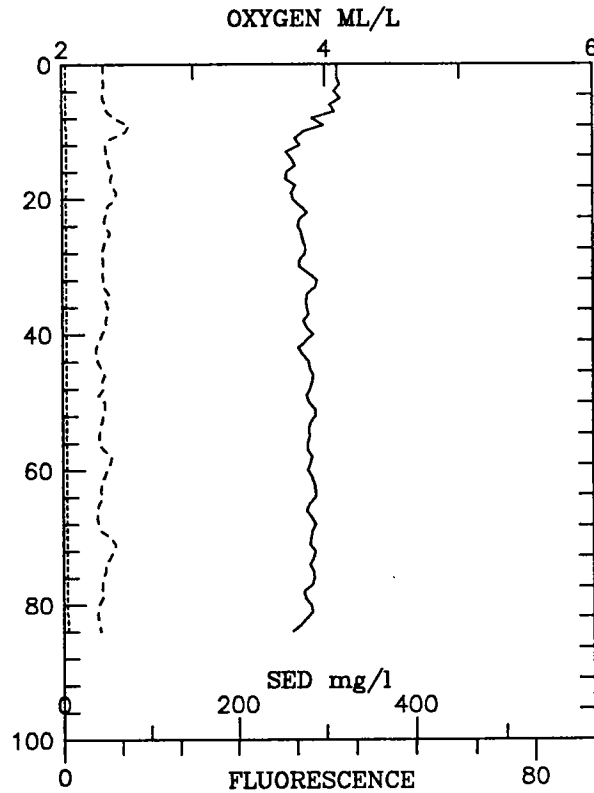
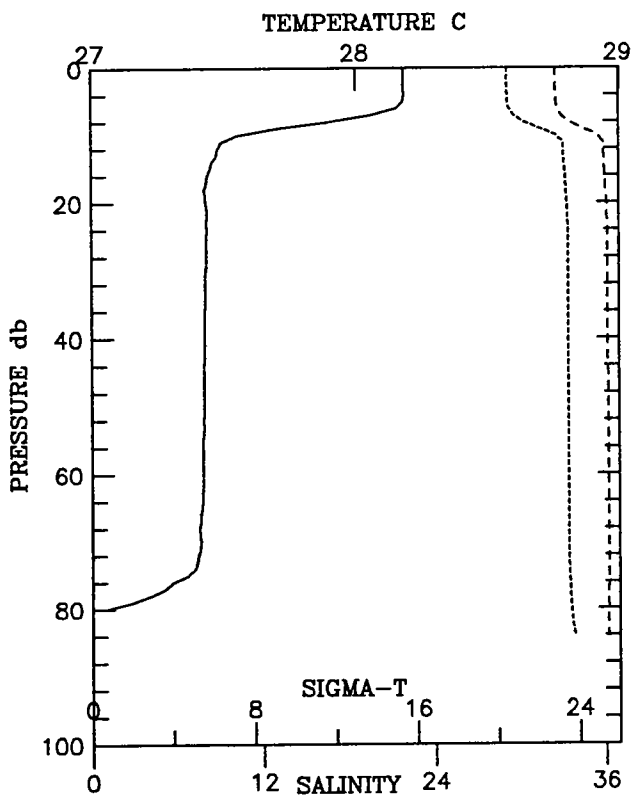
Cruise 19002 Leg 4 Station # 33.00 Depth m:55 Time: 1990-03-19 20:22  
 Position: 2° 47.21'N 49° 11.56'W Depth Deck Offset: -0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.222	25.917	15.513	0.0000	5.321	76.9	4.7
5.0		27.955	27.590	16.850	0.0584	5.017	69.1	4.6
10.0		27.618	31.929	20.213	0.1025	4.036	45.4	5.3
15.0		27.420	35.498	22.960	0.1310	3.471	23.4	5.5
20.0		27.300	35.980	23.362	0.1542	3.678	14.9	4.6
25.0		27.296	36.012	23.387	0.1768	3.727	11.0	4.6
30.0		27.289	36.030	23.403	0.1993	3.741	7.6	4.6
35.0		27.284	36.036	23.409	0.2218	3.754	9.8	4.6
40.0		27.294	36.045	23.413	0.2443	3.701	9.1	4.5
45.0		27.292	36.055	23.421	0.2668	3.773	9.7	4.5
50.0		27.260	36.071	23.443	0.2892	3.726	8.8	4.5
55.0		27.178	36.114	23.502	0.3114	3.722	7.0	4.4
60.0		26.970	36.124	23.576	0.3334	3.749	5.9	4.4
65.0		26.613	36.157	23.715	0.3548	3.732	6.8	4.6
70.0		25.822	36.158	23.965	0.3754	3.701	6.1	4.6
75.0		25.681	36.152	24.004	0.3953	3.641	5.2	4.7



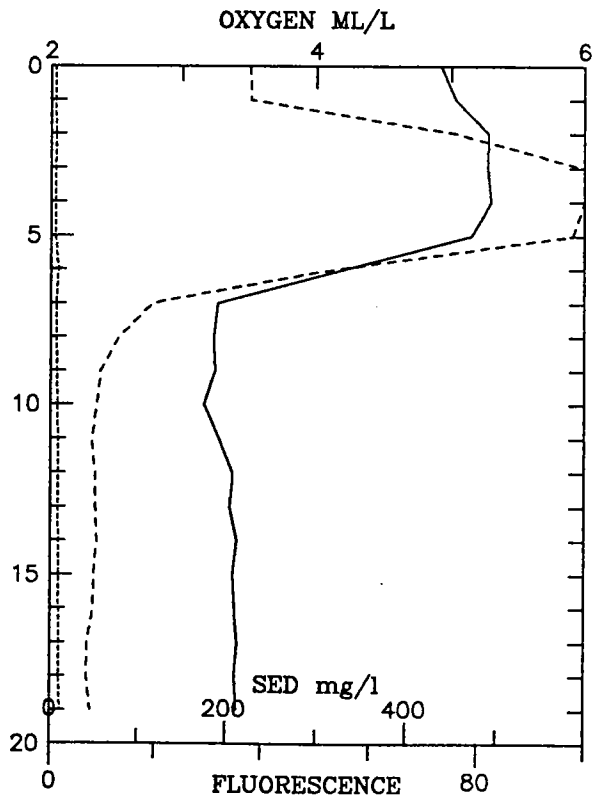
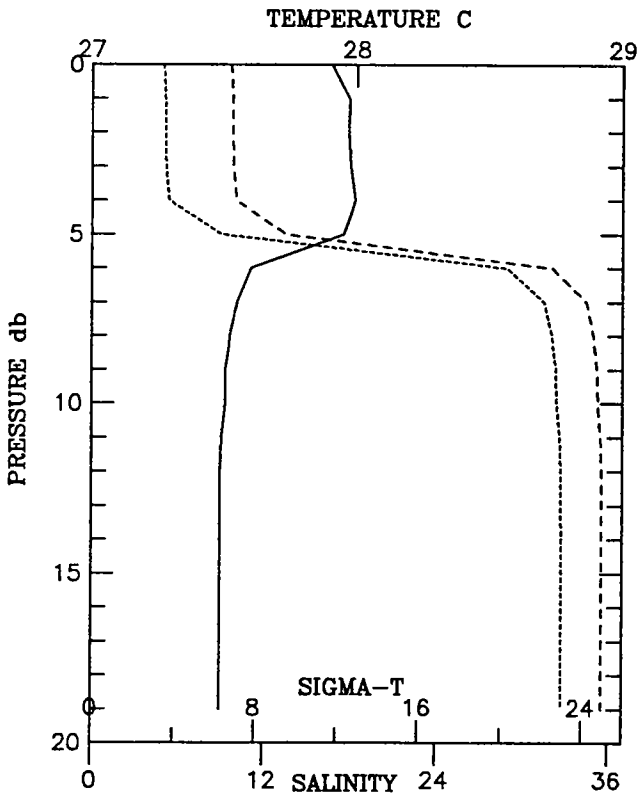
Cruise I9002 Leg 4 Station # 34.00 Depth m:87 Time: 1990-03-19 21:58  
 Position: 2° 45.29'N 48° 56.16'W Depth Deck Offset: -0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.182	32.526	20.478	0.0000	4.094	7.0	4.2
5.0	28.179	32.556	20.502	0.0364	4.119	6.9	4.2
10.0	27.554	35.468	22.894	0.0690	3.834	10.9	4.6
15.0	27.452	35.968	23.304	0.0924	3.781	7.9	4.8
20.0	27.436	36.106	23.413	0.1151	3.758	9.0	4.3
25.0	27.438	36.150	23.445	0.1374	3.822	8.1	4.2
30.0	27.435	36.167	23.459	0.1597	3.808	6.9	4.1
35.0	27.433	36.171	23.463	0.1819	3.858	7.3	4.1
40.0	27.430	36.174	23.466	0.2041	3.909	6.7	4.2
45.0	27.428	36.177	23.469	0.2264	3.885	6.6	4.2
50.0	27.427	36.177	23.469	0.2486	3.876	7.2	4.2
55.0	27.423	36.179	23.472	0.2709	3.882	6.2	4.2
60.0	27.423	36.178	23.471	0.2931	3.863	7.4	4.2
65.0	27.417	36.178	23.473	0.3154	3.874	6.1	4.2
70.0	27.413	36.177	23.474	0.3376	3.890	8.0	4.2
75.0	27.362	36.180	23.492	0.3599	3.903	7.2	4.2
80.0	27.052	36.183	23.594	0.3819	3.887	6.0	4.4
84.0	26.545	36.154	23.734	0.3990	3.751	6.3	4.5



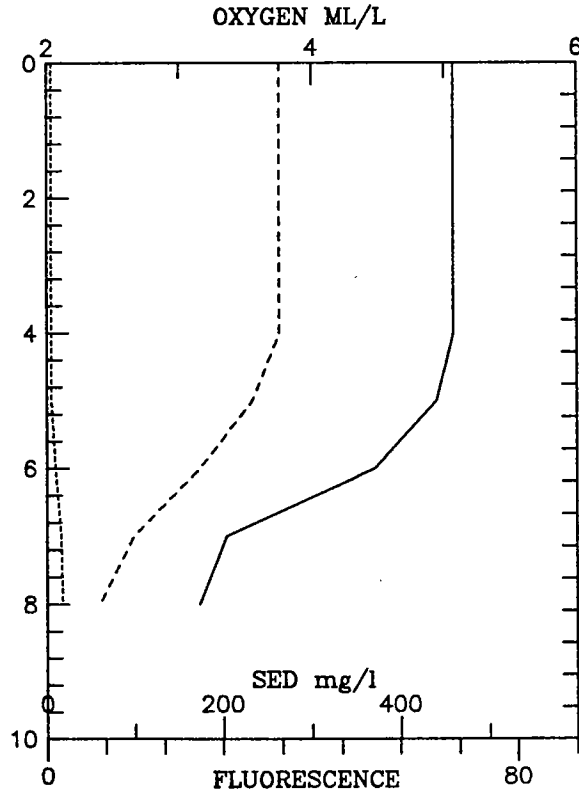
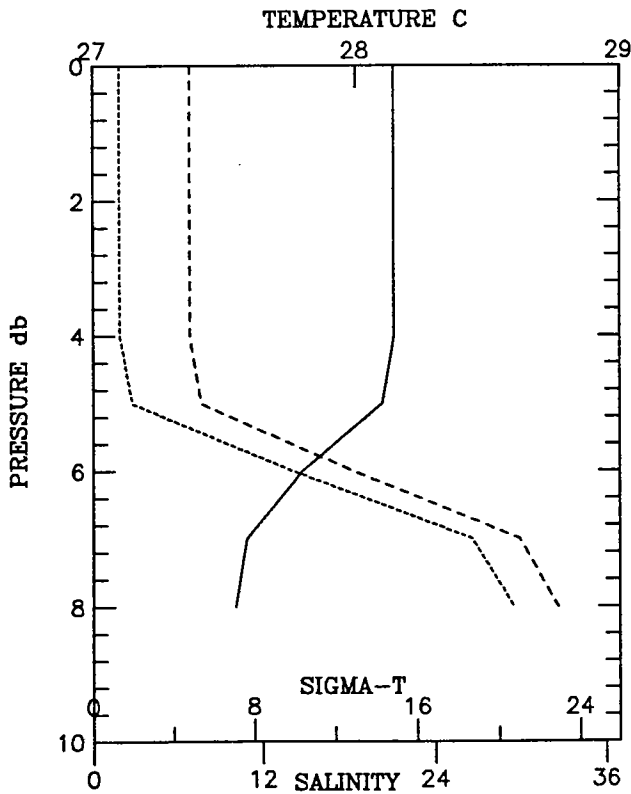
Cruise I9002 Leg 4 Station # 35.00 Depth m:18.5 Time: 1990-03-19 23:35  
 Position: 2° 30.27'N 49° 4.24'W Depth Deck Offset: -0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.904	9.699	3.509	0.0000	4.922	37.8	5.1
1.0	27.969	9.830	3.588	0.0238	5.035	37.9	5.0
2.0	27.968	9.842	3.597	0.0476	5.277	76.1	5.2
3.0	27.976	9.878	3.621	0.0714	5.273	100.0	5.1
4.0	27.991	10.096	3.779	0.0950	5.298	100.0	5.1
5.0	27.948	13.522	6.345	0.1174	5.152	97.8	5.0
6.0	27.601	32.061	20.317	0.1316	4.214	53.3	8.2
7.0	27.548	34.462	22.139	0.1382	3.275	19.5	6.3
8.0	27.523	34.938	22.505	0.1437	3.245	13.2	6.4
9.0	27.505	35.191	22.702	0.1490	3.252	9.5	7.1
10.0	27.505	35.241	22.739	0.1541	3.171	8.9	7.5
11.0	27.490	35.458	22.907	0.1591	3.281	7.9	8.2
12.0	27.486	35.521	22.956	0.1641	3.384	8.5	8.5
13.0	27.486	35.534	22.966	0.1690	3.366	8.6	8.7
14.0	27.485	35.543	22.973	0.1739	3.418	8.9	8.9
15.0	27.485	35.544	22.974	0.1788	3.391	8.3	9.2
16.0	27.485	35.546	22.975	0.1837	3.406	8.2	9.5
17.0	27.484	35.546	22.975	0.1886	3.426	7.1	9.6
18.0	27.485	35.547	22.976	0.1935	3.405	7.0	9.8
19.0	27.484	35.548	22.977	0.1984	3.421	7.7	11.4



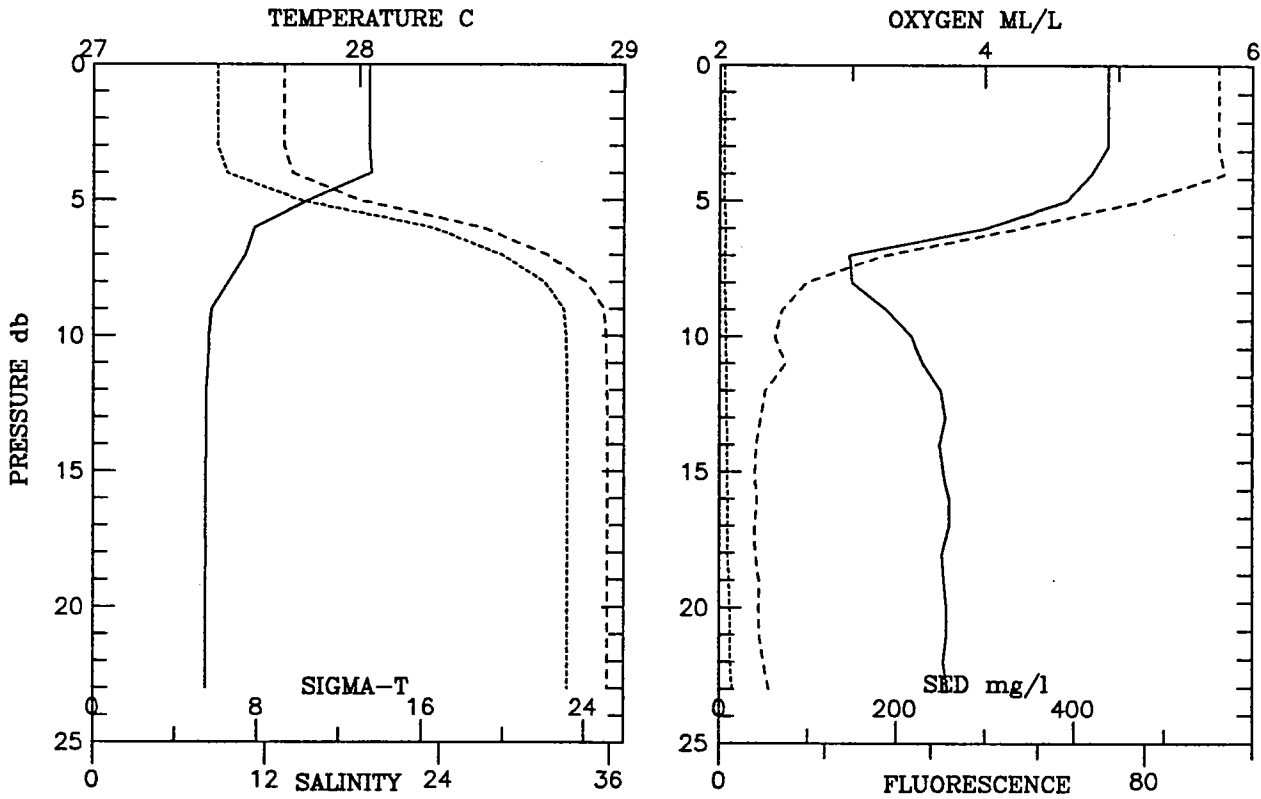
Cruise 19002 Leg 4 Station # 36.00 Depth m:10 Time: 1990-03-20 01:08  
 Position: 2° 18.57'N 49° 12.75'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.143	6.881	1.339	0.0000	5.068	39.6	4.9
1.0	E	28.142	6.881	1.339	0.0260	5.068	39.6	4.9
2.0	E	28.142	6.881	1.339	0.0520	5.069	39.6	4.9
3.0	E	28.142	6.881	1.339	0.0781	5.070	39.6	4.9
4.0		28.142	6.881	1.339	0.1041	5.070	39.6	4.9
5.0		28.098	7.681	1.949	0.1298	4.942	35.0	4.9
6.0		27.798	18.304	9.957	0.1513	4.476	26.1	9.3
7.0		27.587	29.867	18.674	0.1645	3.361	14.8	15.6
8.0		27.545	32.571	20.718	0.1726	3.155	9.0	17.5



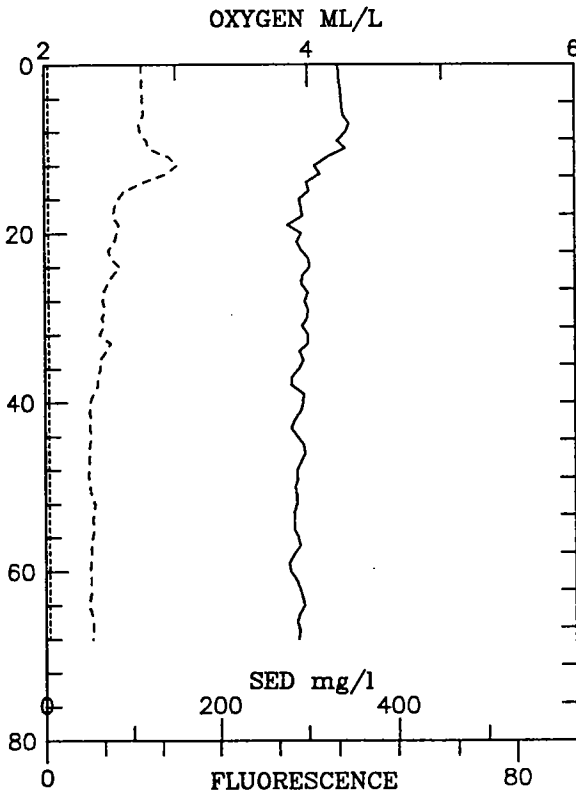
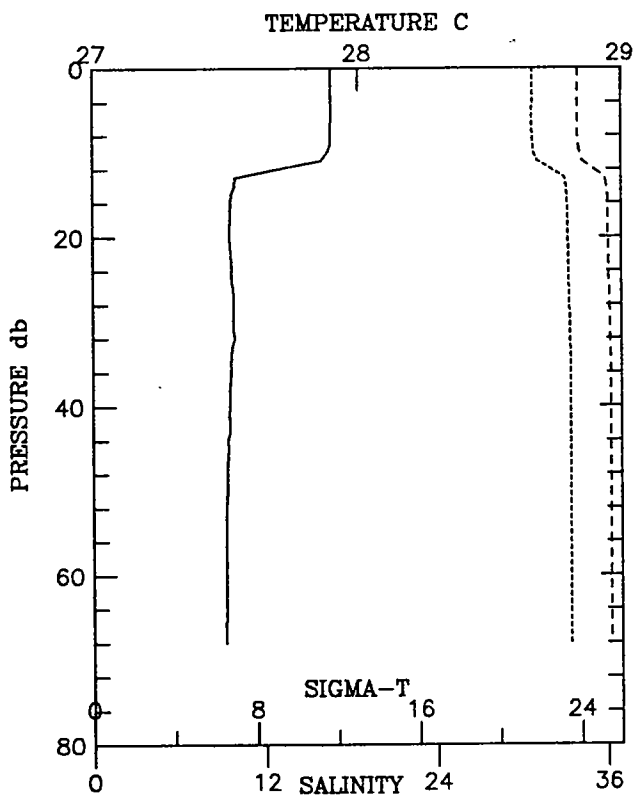
Cruise I9002 Leg 4 Station # 37.00 Depth m:26 Time: 1990-03-20 03:01  
 Position: 2° 22.37'N 48° 54.18'W Depth Deck Offset: -0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.037	13.230	6.100	0.0000	4.920	93.7	5.0
2.0	E	28.036	13.230	6.101	0.0426	4.921	93.7	5.0
4.0		28.042	13.837	6.551	0.0850	4.800	94.7	5.0
6.0		27.607	27.101	16.594	0.1183	4.003	56.2	6.5
8.0		27.511	34.335	22.056	0.1345	3.001	16.3	5.5
10.0		27.437	35.713	23.117	0.1446	3.455	10.4	7.0
12.0		27.428	35.772	23.164	0.1541	3.673	8.6	7.7
14.0		27.427	35.789	23.177	0.1636	3.660	6.9	8.3
16.0		27.425	35.792	23.180	0.1730	3.732	7.0	8.9
18.0		27.426	35.792	23.180	0.1824	3.681	6.7	9.0
20.0		27.425	35.795	23.182	0.1918	3.714	7.4	11.6
22.0		27.426	35.796	23.183	0.2012	3.689	8.3	12.2
23.0		27.425	35.795	23.182	0.2059	3.722	9.3	14.2



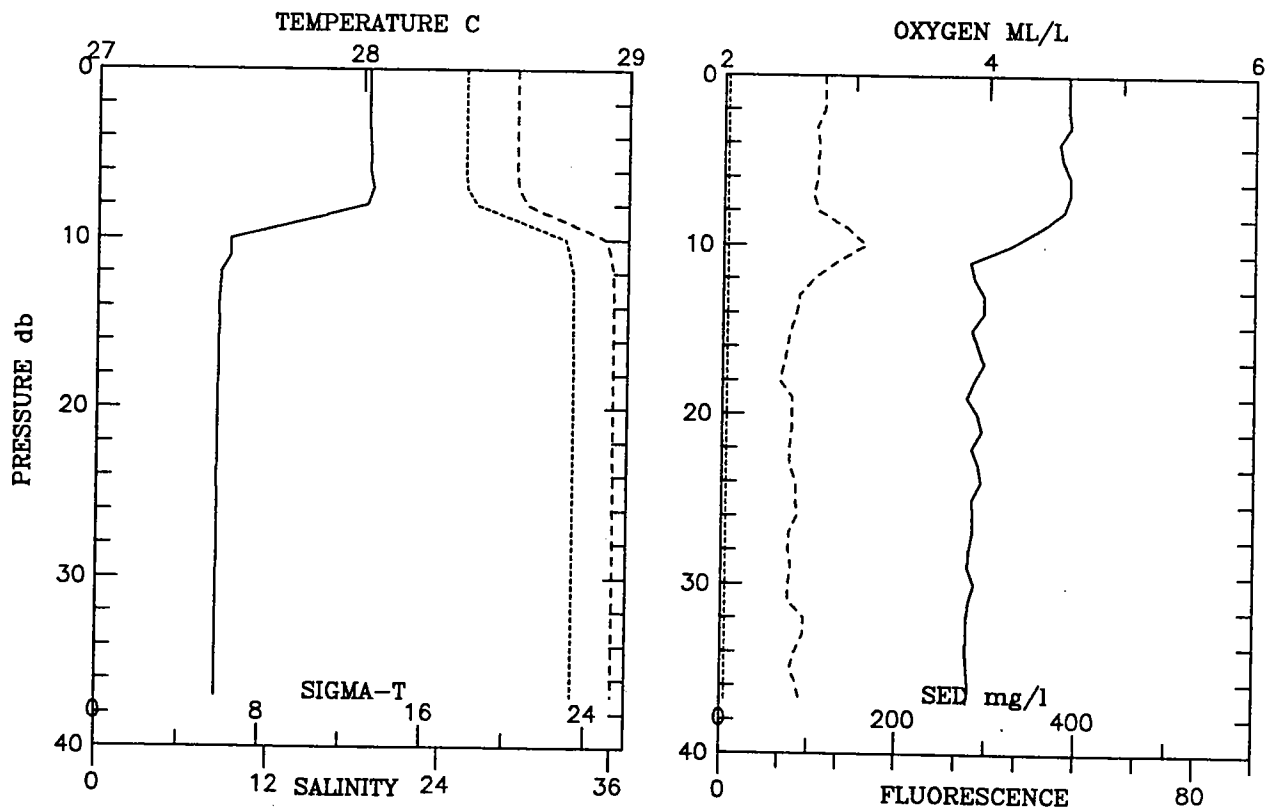
Cruise 19002 Leg 4 Station # 38.00 Depth m:72 Time: 1990-03-20 05:00  
 Position: 2° 29.02'N 48° 37.99'W Depth Deck Offset: 3.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.897	33.920	21.619	0.0000	4.230	16.7	4.4
5.0	* 27.897	33.918	21.617	0.0310	4.259	16.9	4.4
10.0	27.887	34.029	21.704	0.0619	4.281	17.9	4.4
15.0	27.522	36.003	23.307	0.0879	4.012	13.6	4.3
20.0	27.515	36.045	23.341	0.1107	3.952	12.3	4.2
25.0	27.522	36.092	23.374	0.1334	3.959	11.5	4.2
30.0	27.529	36.167	23.429	0.1559	3.997	9.8	4.1
35.0	27.520	36.197	23.454	0.1783	3.970	9.3	4.1
40.0	27.515	36.202	23.459	0.2005	3.961	7.7	4.1
45.0	27.509	36.207	23.465	0.2228	3.966	7.6	4.1
50.0	27.505	36.209	23.468	0.2451	3.905	7.6	4.1
55.0	27.501	36.211	23.471	0.2673	3.895	8.2	4.1
60.0	27.499	36.212	23.472	0.2895	3.867	7.6	4.1
65.0	27.499	36.212	23.472	0.3118	3.935	7.8	4.1
68.0	27.498	36.212	23.473	0.3252	3.926	7.9	4.1



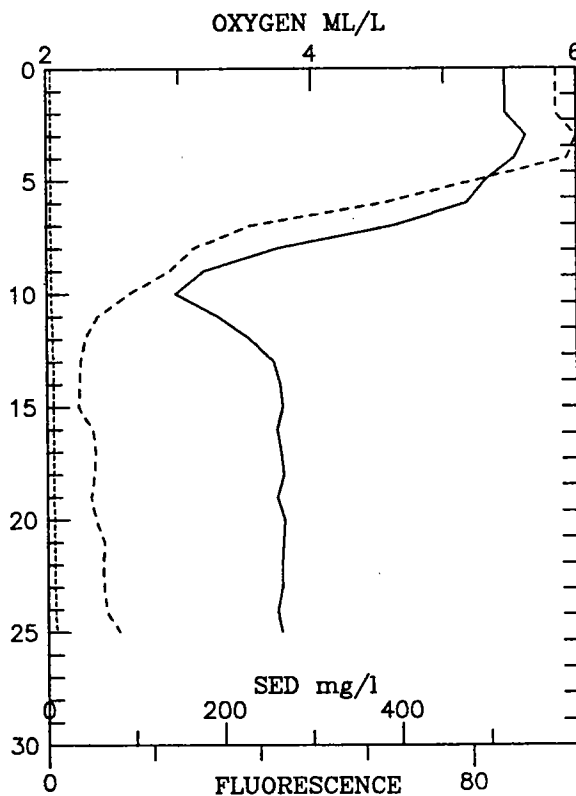
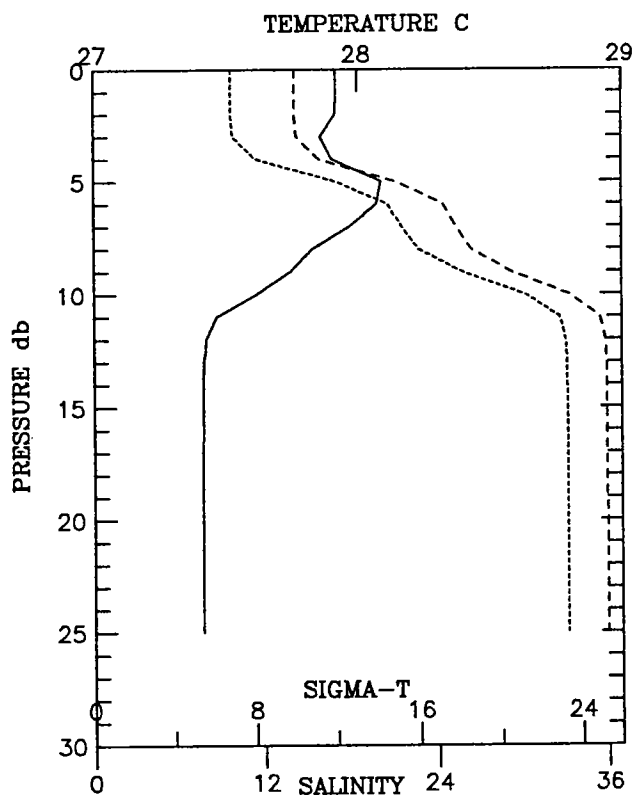
Cruise 19002 Leg 4 Station # 39.00 Depth m:40 Time: 1990-03-20 06:26  
 Position: 2° 14.71'N 48° 40.98'W Depth Deck Offset: -0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.021	29.161	18.006	0.0000	4.591	17.2	4.4
2.0		28.021	29.161	18.006	0.0193	4.593	17.2	4.4
4.0		28.024	29.166	18.009	0.0387	4.527	16.2	4.4
6.0		28.027	29.176	18.015	0.0580	4.609	16.1	4.4
8.0		28.016	29.902	18.563	0.0770	4.566	16.3	4.4
10.0		27.499	35.458	22.904	0.0911	4.166	24.5	5.0
12.0		27.464	35.939	23.278	0.1007	3.898	15.6	4.6
14.0		27.458	35.978	23.309	0.1099	3.974	12.6	4.6
16.0		27.456	35.988	23.317	0.1190	3.930	11.1	4.6
18.0		27.455	35.997	23.324	0.1282	3.906	9.9	4.6
20.0		27.454	35.999	23.326	0.1373	3.929	11.9	4.6
22.0		27.454	36.001	23.328	0.1464	3.888	11.6	4.6
24.0		27.452	36.002	23.329	0.1556	3.958	12.7	4.7
26.0		27.453	36.001	23.328	0.1647	3.898	13.0	4.7
28.0		27.453	36.002	23.329	0.1739	3.873	11.5	4.7
30.0		27.452	36.003	23.330	0.1830	3.913	11.6	4.7
32.0		27.451	36.004	23.331	0.1922	3.862	14.3	4.8
34.0		27.451	36.004	23.331	0.2013	3.856	12.8	4.8
36.0		27.451	36.003	23.330	0.2105	3.874	13.2	4.9
37.0		27.451	36.003	23.330	0.2150	3.864	13.8	4.8



Cruise I9002 Leg 4 Station # 40.00 Depth m:28 Time: 1990-03-20 07:21  
 Position: 2° 10.08'N 48° 46.26'W Depth Deck Offset: -0.13 Fish 2

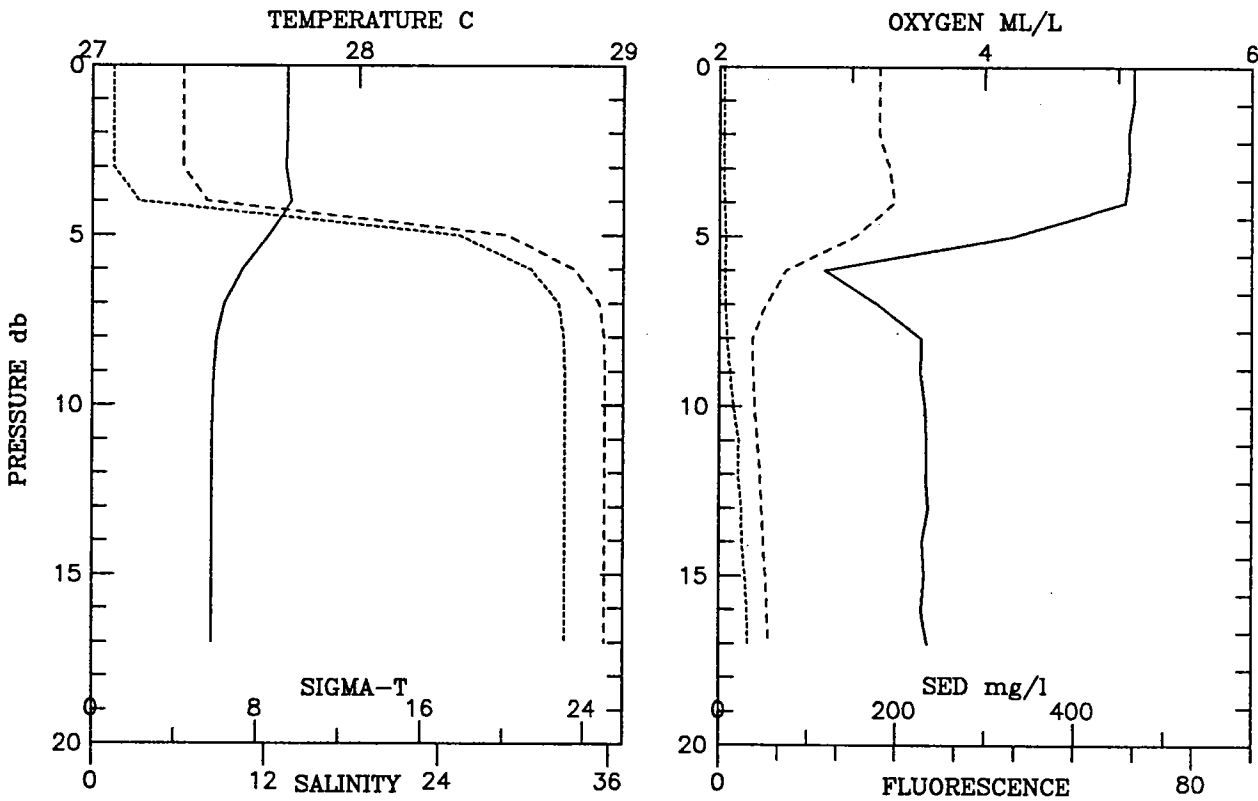
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.919	14.139	6.814	0.0000	5.463	96.2	4.7
2.0		27.918	14.139	6.814	0.0412	5.464	96.2	4.7
4.0		27.902	15.809	8.063	0.0816	5.531	98.3	4.7
6.0		28.070	24.410	14.434	0.1134	5.173	63.3	4.4
8.0		27.829	26.324	15.942	0.1383	3.742	27.8	4.6
10.0		27.619	33.200	21.167	0.1571	2.979	15.5	4.8
12.0		27.431	35.810	23.192	0.1677	3.534	7.2	6.4
14.0		27.418	35.886	23.253	0.1770	3.765	6.2	6.7
16.0		27.417	35.903	23.266	0.1863	3.740	8.7	6.9
18.0		27.416	35.907	23.269	0.1955	3.786	8.9	7.2
20.0		27.416	35.908	23.270	0.2048	3.790	9.2	7.4
22.0		27.416	35.908	23.270	0.2140	3.775	10.5	7.5
24.0		27.416	35.908	23.270	0.2233	3.741	11.0	8.2
25.0		27.416	35.908	23.270	0.2279	3.768	13.5	9.9





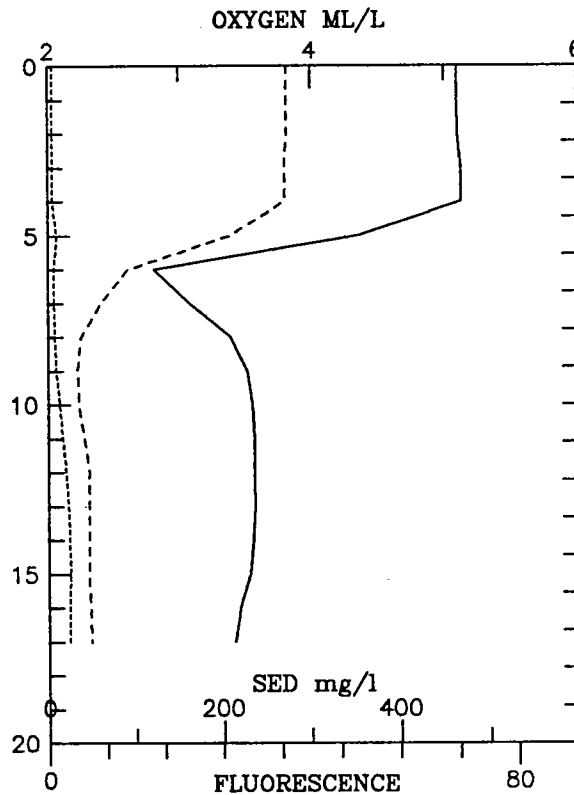
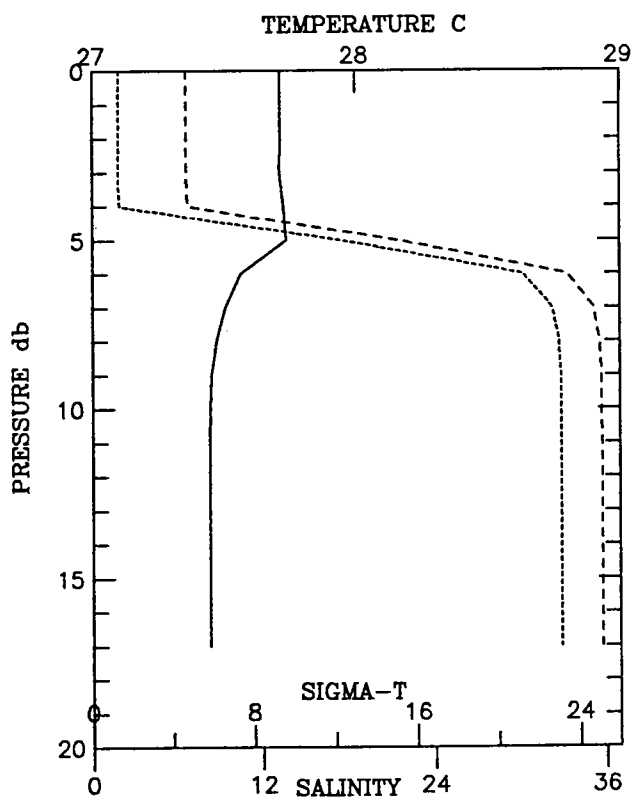
Cruise I9002 Leg 4 Station # 41.01 Depth m:20 Time: 1990-03-20 08:45  
 Position: 2° 4.39'N 48° 52.56'W Depth Deck Offset: -0.23 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.730	6.333	1.050	0.0000	5.116	27.2	4.9
1.0		27.730	6.333	1.050	0.0263	5.117	27.2	4.9
2.0		27.729	6.351	1.064	0.0526	5.077	27.2	4.9
3.0		27.725	6.335	1.053	0.0789	5.083	29.0	4.9
4.0		27.746	7.987	2.280	0.1046	5.055	29.8	5.2
5.0		27.662	28.772	17.829	0.1221	4.200	23.1	6.9
6.0		27.565	33.490	21.403	0.1302	2.797	11.3	6.1
7.0		27.497	35.272	22.765	0.1359	3.198	7.9	6.8
8.0		27.469	35.606	23.025	0.1409	3.525	5.6	8.6
9.0		27.458	35.661	23.070	0.1457	3.522	5.7	12.0
10.0		27.454	35.678	23.085	0.1505	3.557	6.0	15.7
11.0		27.452	35.689	23.094	0.1553	3.564	6.4	22.0
12.0		27.451	35.691	23.095	0.1601	3.565	6.9	21.3
13.0		27.451	35.692	23.096	0.1649	3.579	7.2	24.9
14.0		27.451	35.691	23.096	0.1697	3.536	7.5	25.6
15.0		27.451	35.691	23.095	0.1745	3.548	7.9	29.4
16.0		27.451	35.690	23.095	0.1793	3.531	8.2	31.6
17.0		27.451	35.690	23.095	0.1841	3.573	8.4	32.5



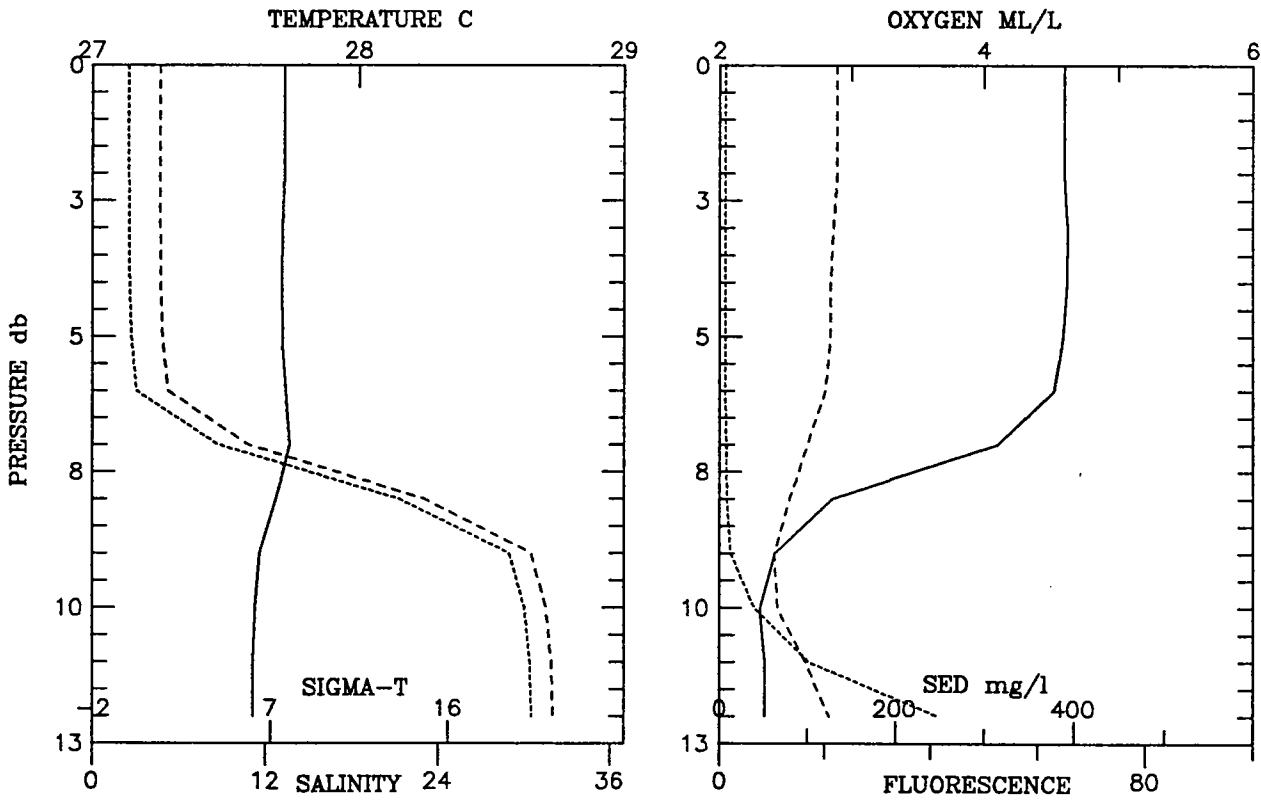
Cruise 19002 Leg 4 Station # 41.02 Depth m:20 Time: 1990-03-20 09:45  
 Position: 2° 4.44'N 48° 52.26'W Depth Deck Offset: -0.23 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)	
0.0	E	27.718	6.683	1.315	0.0000	5.100	41.0	4.7
1.0	E	27.718	6.683	1.315	0.0260	5.100	41.0	4.7
2.0		27.717	6.683	1.315	0.0521	5.101	41.0	4.7
3.0		27.717	6.680	1.313	0.0781	5.126	40.6	4.7
4.0		27.730	6.777	1.382	0.1041	5.128	40.6	4.7
5.0		27.741	21.361	12.257	0.1248	4.360	31.4	9.7
6.0		27.567	33.260	21.229	0.1357	2.815	13.7	6.2
7.0		27.510	35.133	22.656	0.1416	3.084	9.0	6.6
8.0		27.476	35.552	22.983	0.1466	3.393	5.6	7.1
9.0		27.456	35.664	23.073	0.1515	3.518	5.0	8.7
10.0		27.451	35.690	23.095	0.1562	3.559	5.2	13.0
11.0		27.450	35.694	23.098	0.1610	3.573	6.2	16.1
12.0		27.450	35.696	23.100	0.1658	3.573	7.0	19.8
13.0		27.449	35.696	23.100	0.1706	3.579	6.9	22.4
14.0		27.450	35.696	23.100	0.1754	3.567	6.9	23.9
15.0		27.449	35.696	23.100	0.1802	3.541	6.9	24.4
16.0		27.449	35.696	23.100	0.1850	3.461	7.1	23.4
17.0		27.449	35.696	23.100	0.1897	3.426	7.3	23.3



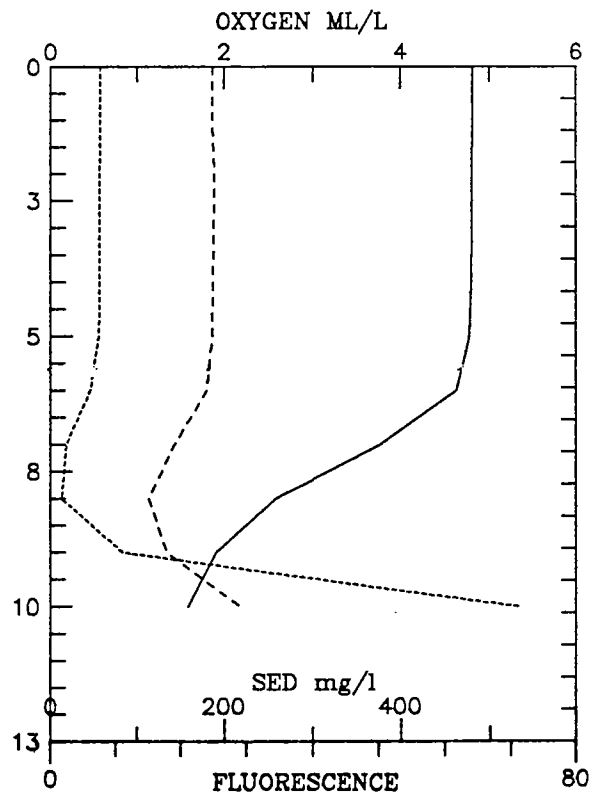
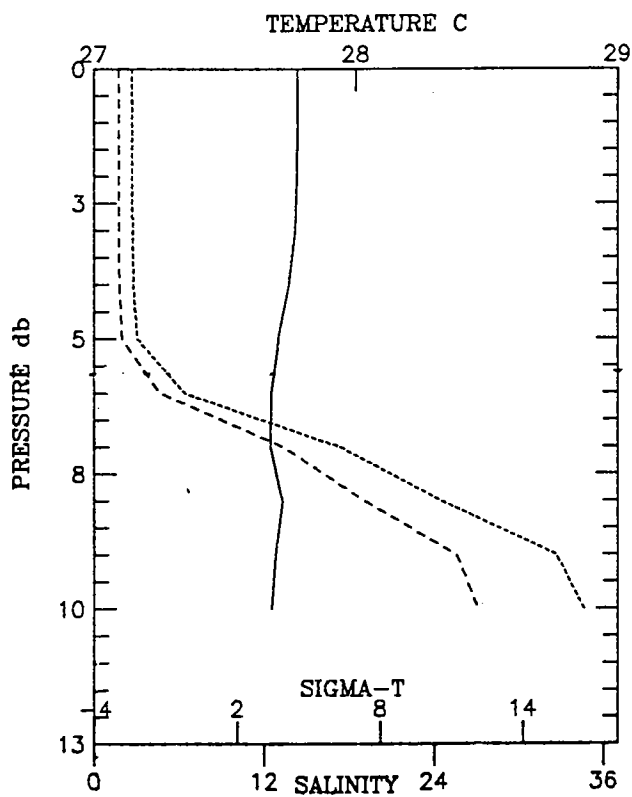
Cruise 19002 Leg 4 Station # 42.00 Depth m:13.5 Time: 1990-03-20 11:36  
 Position: 1° 51.37'N 49° 2.26'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.717	4.679	-0.180	0.0000	4.597	22.3	6.2
1.0	E	27.717	4.679	-0.180	0.0275	4.597	22.3	6.2
2.0		27.717	4.679	-0.180	0.0551	4.598	22.3	6.2
3.0		27.712	4.687	-0.172	0.0826	4.623	21.6	6.2
4.0		27.709	4.718	-0.148	0.1101	4.617	21.1	6.2
5.0		27.710	4.844	-0.055	0.1376	4.588	21.1	6.2
6.0		27.724	5.219	0.221	0.1649	4.519	20.1	6.3
7.0		27.736	10.763	4.352	0.1899	4.096	16.7	7.4
8.0		27.688	22.998	13.497	0.2085	2.856	13.3	8.2
9.0		27.625	30.487	19.127	0.2198	2.419	10.4	12.6
10.0		27.611	31.505	19.896	0.2280	2.307	11.0	39.2
11.0		27.603	31.889	20.187	0.2357	2.340	16.3	101.9
12.0		27.601	31.984	20.259	0.2433	2.341	20.8	249.0



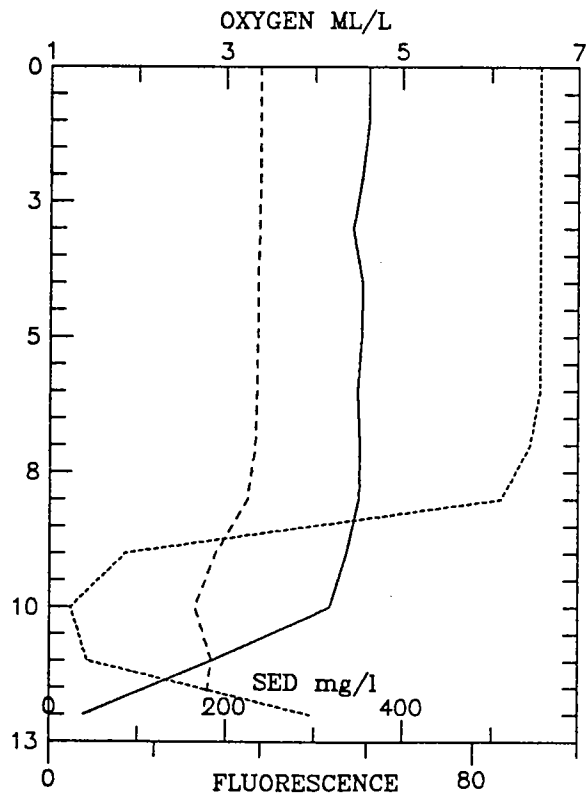
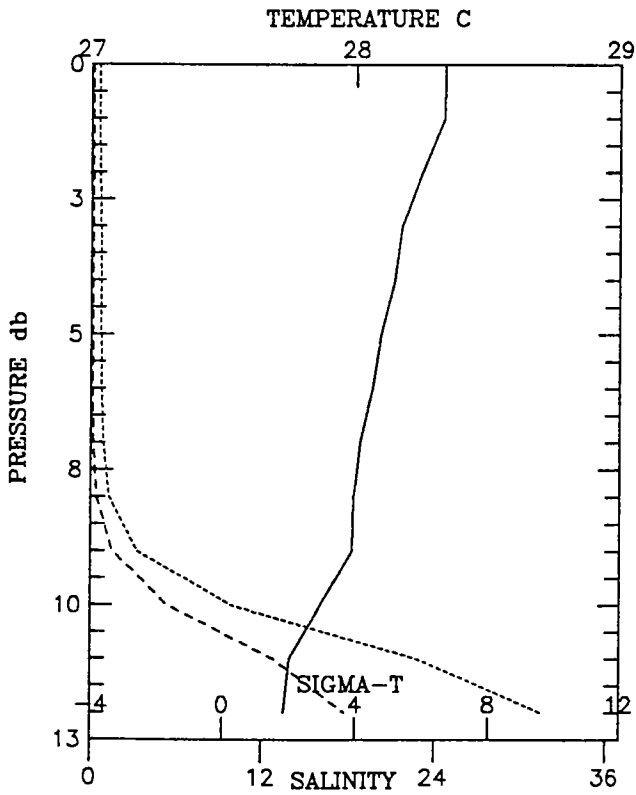
Cruise I9002 Leg 4 Station # 43.00 Depth m:11.5 Time: 1990-03-20 13:01  
 Position: 1° 39.90'N 49° 10.00'W Depth Deck Offset: -0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 27.778	1.750	-2.386	0.0000	4.815	24.9	57.3
1.0	27.777	1.750	-2.386	0.0297	4.816	24.9	57.3
2.0	27.774	1.753	-2.383	0.0595	4.806	25.2	56.6
3.0	27.767	1.756	-2.379	0.0892	4.804	25.1	56.6
4.0	27.742	1.792	-2.345	0.1190	4.799	25.0	56.6
5.0	27.701	1.981	-2.191	0.1486	4.779	24.9	55.6
6.0	27.674	4.613	-0.216	0.1772	4.630	24.0	45.8
7.0	27.672	13.397	6.334	0.2015	3.764	19.1	17.8
8.0	27.719	19.119	10.590	0.2205	2.585	15.2	12.6
9.0	27.691	25.561	15.414	0.2350	1.910	17.9	83.3
10.0	27.677	27.089	16.562	0.2466	1.593	29.1	532.2



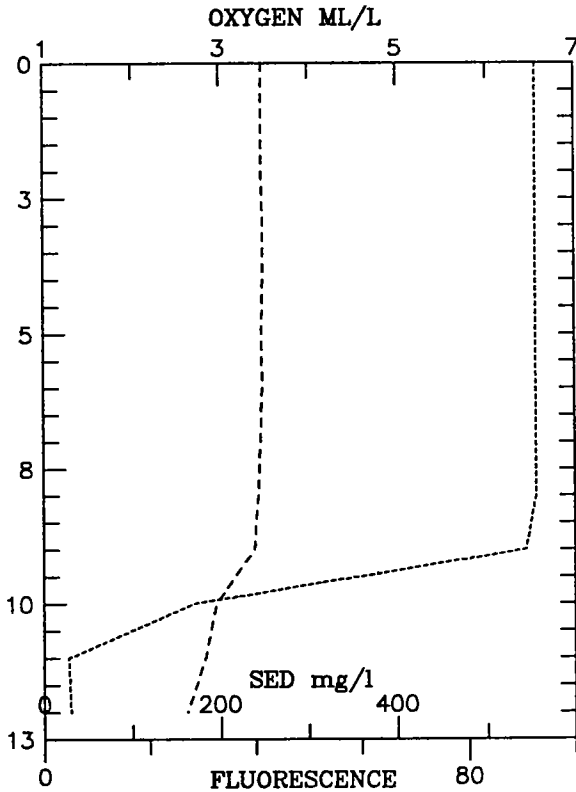
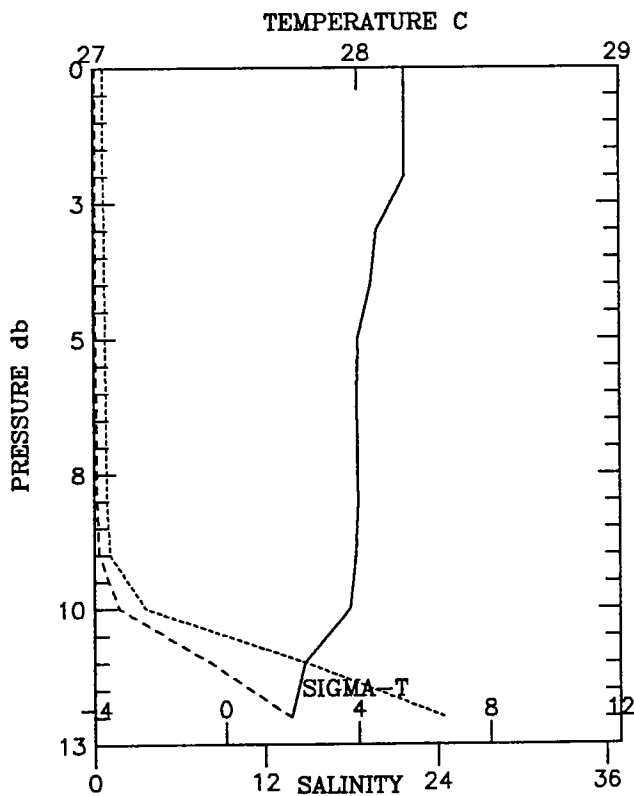
Cruise 19002 Leg 4 Station # 44.01 Depth m:14 Time: 1990-03-20 15:15  
 Position: 1° 23.53'N 49° 23.77'W Depth Deck Offset: -0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.333	0.124	-3.765	0.0000	4.613	39.7	555.2
1.0	28.333	0.124	-3.765	0.0311	4.613	39.7	555.2
2.0	28.250	0.125	-3.740	0.0623	4.544	39.7	555.2
3.0	28.172	0.125	-3.718	0.0934	4.430	39.6	555.2
4.0	28.144	0.125	-3.710	0.1244	4.540	39.3	555.2
5.0	28.094	0.127	-3.694	0.1555	4.533	39.3	555.2
6.0	28.063	0.133	-3.681	0.1866	4.489	39.2	555.2
7.0	28.017	0.200	-3.617	0.2176	4.513	39.9	543.6
8.0	27.992	0.437	-3.431	0.2485	4.505	37.5	510.2
9.0	27.989	1.539	-2.605	0.2789	4.369	31.5	86.4
10.0	27.868	5.329	0.262	0.3074	4.179	27.6	23.7
11.0	27.754	12.825	5.883	0.3317	2.849	30.7	42.5
12.0	27.732	17.776	9.583	0.3514	1.386	29.3	294.8



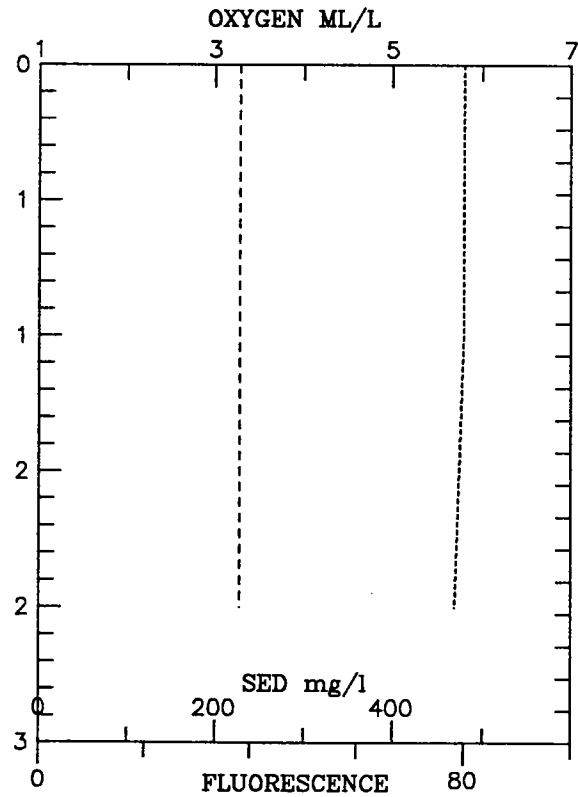
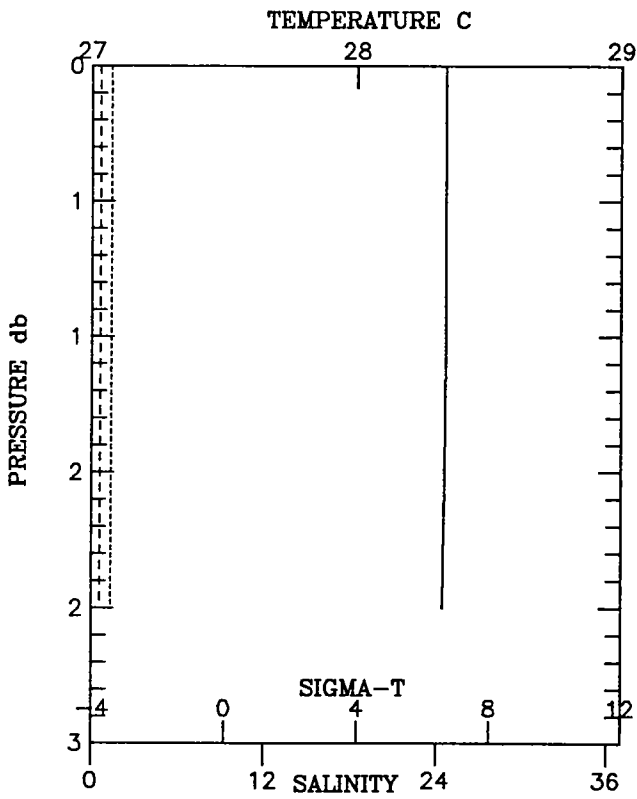
Cruise I9002 Leg 4 Station # 44.02 Depth m:14 Time: 1990-03-20 16:16  
 Position: 1° 23.53'N 49° 23.78'W Depth Deck Offset: 0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.177	0.157	-3.695	0.000	41.3	555.2
1.0	E	28.177	0.157	-3.695	0.0311	41.3	555.2
2.0		28.177	0.157	-3.695	0.0621	41.3	555.2
3.0		28.069	0.153	-3.667	0.0932	41.6	555.2
4.0		28.049	0.152	-3.662	0.1242	41.5	555.2
5.0		28.001	0.153	-3.648	0.1553	41.3	555.2
6.0		27.995	0.170	-3.633	0.1863	41.4	555.2
7.0		27.998	0.184	-3.624	0.2173	41.0	555.2
8.0		28.000	0.202	-3.611	0.2483	40.6	555.2
9.0		27.990	0.327	-3.514	0.2792	39.8	543.6
10.0		27.968	1.773	-2.424	0.3095	32.6	170.3
11.0		27.799	8.203	2.425	0.3369	30.5	27.5
12.0		27.748	13.798	6.610	0.3598	27.1	30.0



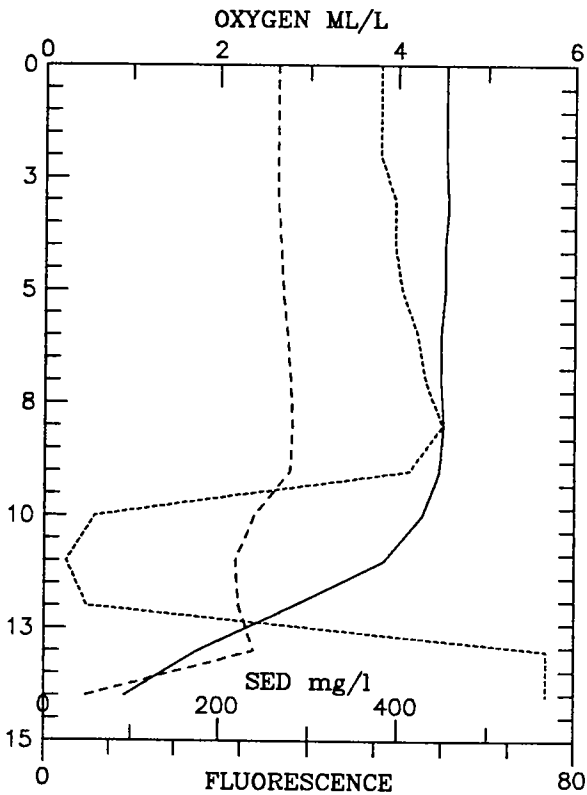
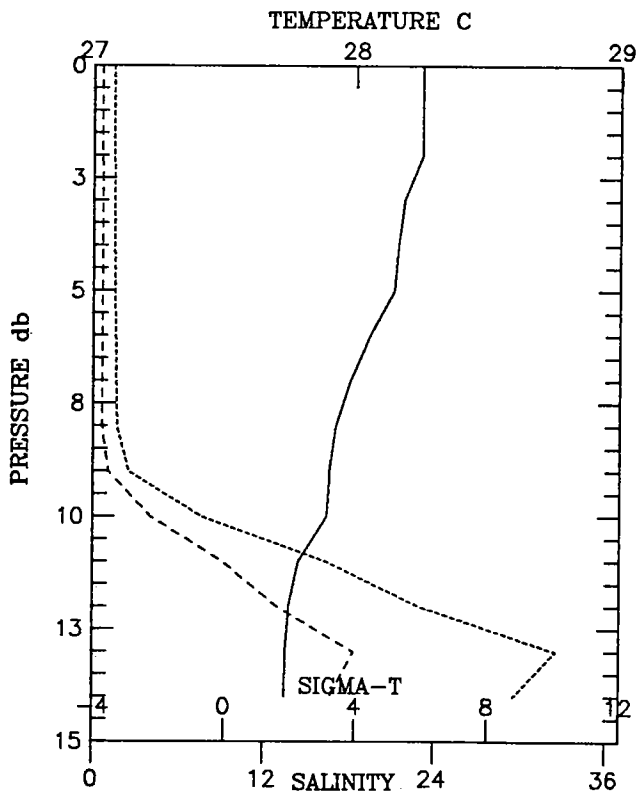
Cruise 19002 Leg 4 Station # 44.03 Depth m:15 Time: 1990-03-20 17:14  
 Position: 1° 23.50'N 49° 23.77'W Depth Deck Offset: 0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (mL/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.333	0.576	-3.425	0.0000	0.000	38.0	478.9
1.0		28.333	0.576	-3.425	0.0308	0.000	38.0	478.9
2.0		28.323	0.576	-3.422	0.0616	0.000	38.0	468.9



Cruise 19002 Leg 4 Station # 44.08 Depth m:15.5 Time: 1990-03-20 18:17  
 Position: 1° 23.50'N 49° 23.80'W Depth Deck Offset: 0.00 Fish 2

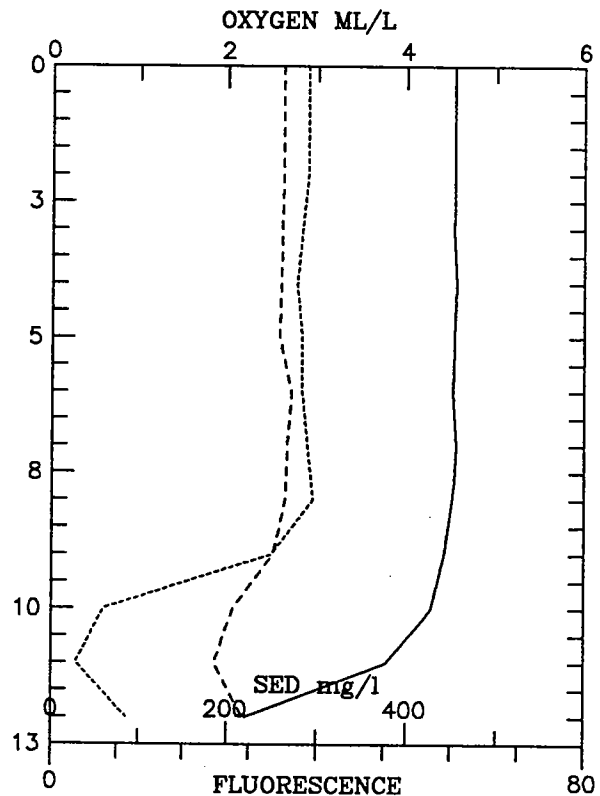
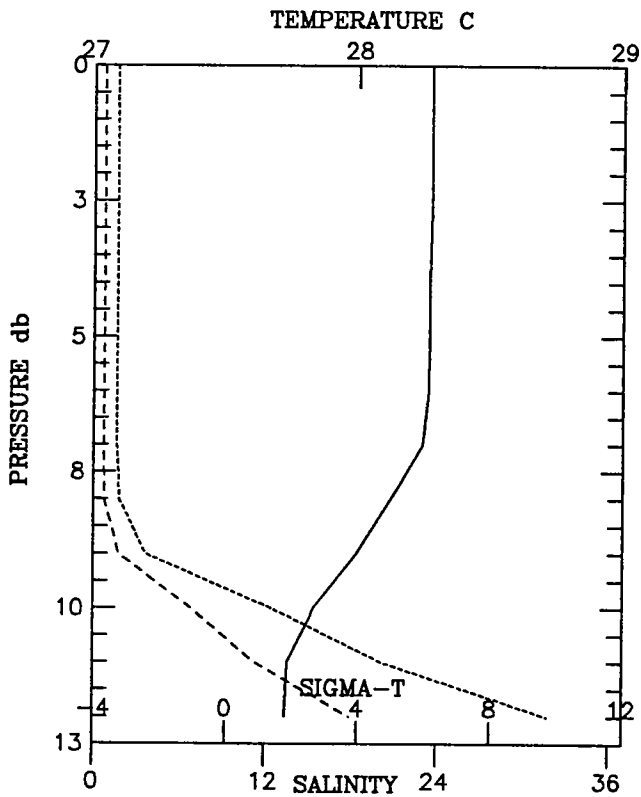
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.249	0.612	-3.374	0.0000	4.535	35.3	379.7
1.0	E	28.249	0.612	-3.374	0.0307	4.536	35.3	379.7
2.0		28.249	0.612	-3.373	0.0615	4.536	35.3	379.7
3.0		28.183	0.613	-3.354	0.0922	4.560	35.3	396.1
4.0		28.159	0.614	-3.346	0.1229	4.531	35.8	396.1
5.0		28.145	0.615	-3.342	0.1537	4.532	36.1	404.5
6.0		28.053	0.619	-3.312	0.1843	4.489	36.8	422.0
7.0		27.981	0.624	-3.288	0.2150	4.487	37.3	431.0
8.0		27.925	0.633	-3.265	0.2457	4.515	37.6	449.6
9.0		27.901	1.105	-2.905	0.2761	4.475	37.3	413.2
10.0		27.891	4.060	-0.692	0.3053	4.284	32.0	57.5
11.0		27.782	9.147	3.134	0.3314	3.853	29.2	25.3
12.0		27.744	12.949	5.979	0.3542	2.843	29.7	48.6
13.0		27.734	18.418	10.062	0.3736	1.762	32.0	567.0
14.0		27.730	16.714	8.791	0.3917	0.930	6.5	567.0





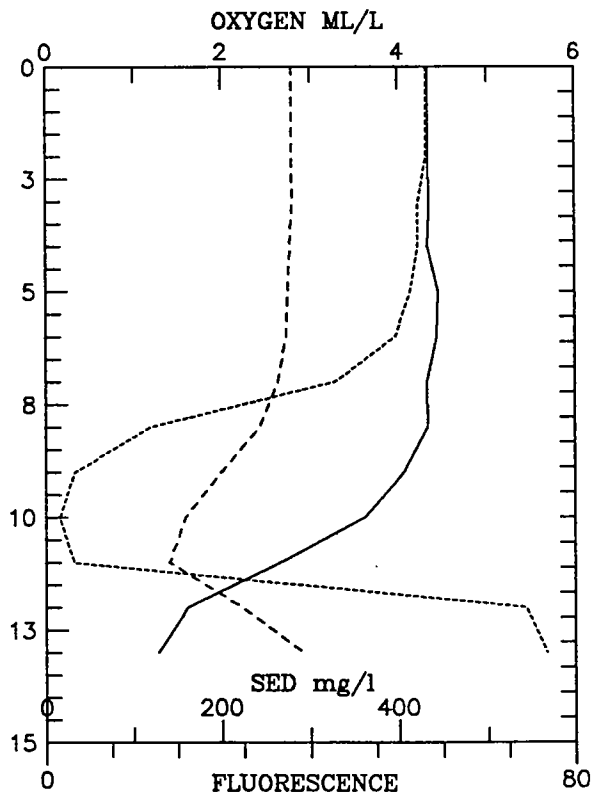
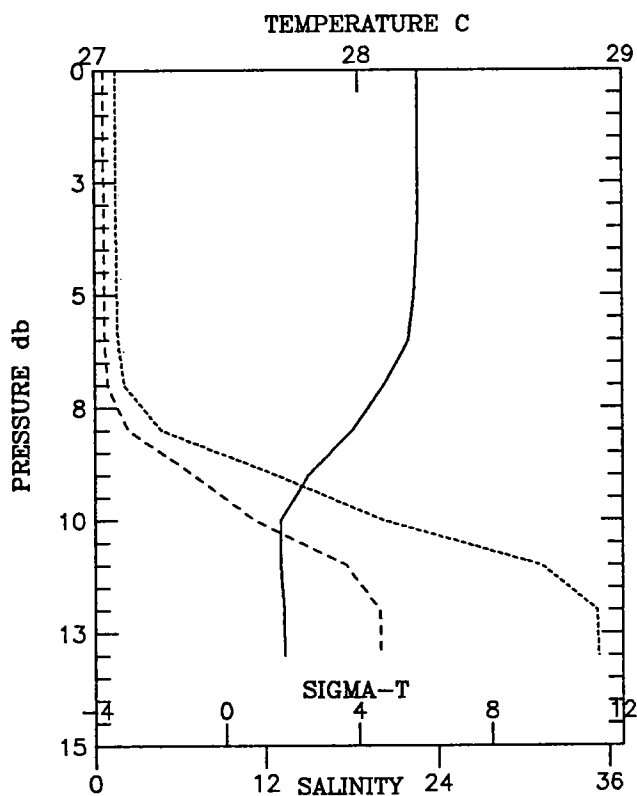
Cruise 19002 Leg 4 Station # 44.09 Depth m:15.5 Time: 1990-03-20 19:20  
 Position: 1° 23.50'N 49° 23.77'W Depth Deck Offset: 0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.275	0.716	-3.303	0.0000	4.539	34.9	288.6
1.0	E	28.275	0.716	-3.303	0.0307	4.540	34.9	288.6
2.0		28.275	0.716	-3.303	0.0613	4.540	34.9	288.6
3.0		28.273	0.715	-3.303	0.0920	4.530	34.7	282.6
4.0		28.270	0.714	-3.303	0.1227	4.557	34.6	276.7
5.0		28.269	0.714	-3.303	0.1534	4.541	34.4	282.6
6.0		28.266	0.713	-3.303	0.1840	4.520	36.2	282.6
7.0		28.244	0.720	-3.291	0.2147	4.558	35.6	288.6
8.0		28.124	0.779	-3.213	0.2453	4.513	35.3	294.8
9.0		27.994	1.781	-2.425	0.2755	4.425	33.5	249.0
10.0		27.833	6.838	1.397	0.3034	4.281	27.6	59.4
11.0		27.735	11.289	4.744	0.3277	3.772	24.8	27.8
12.0		27.725	17.958	9.721	0.3479	2.206	29.1	85.4



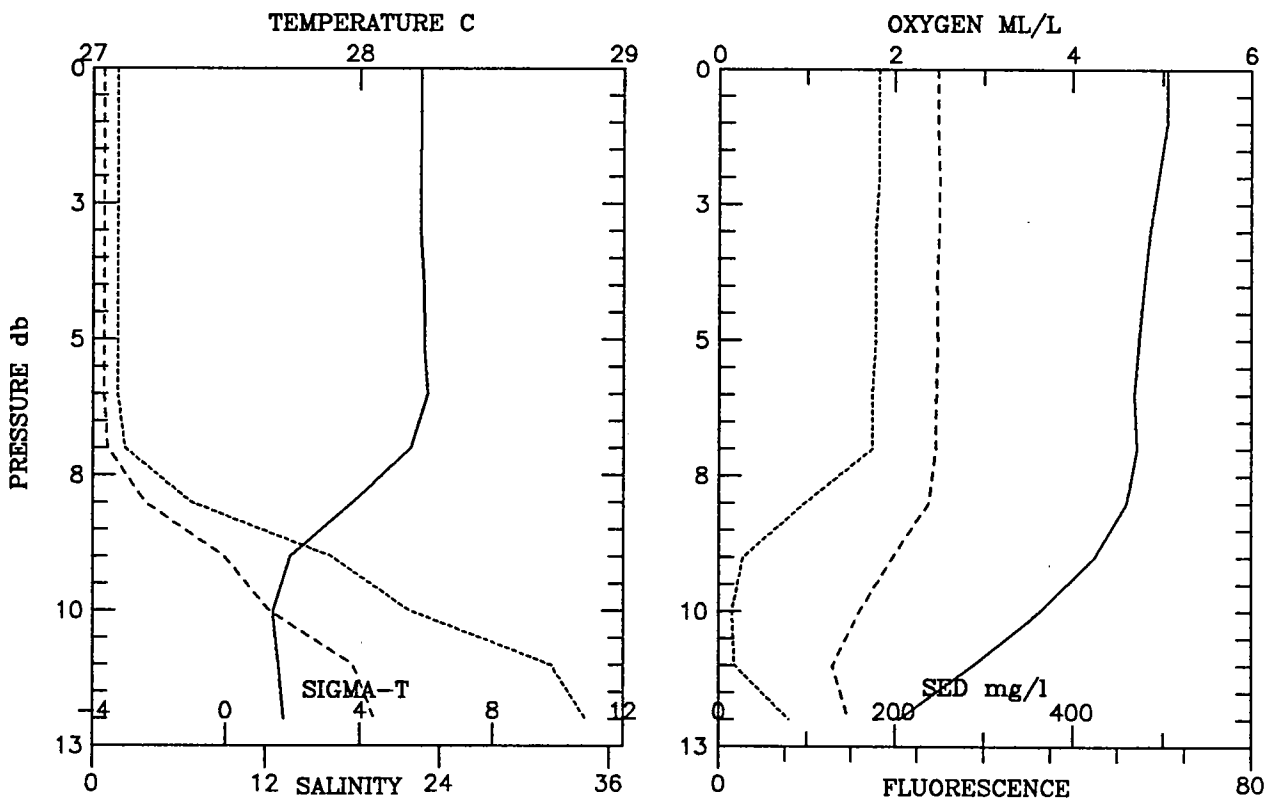
Cruise 19002 Leg 4 Station # 44.10 Depth m:15.5 Time: 1990-03-20 20:18  
 Position: 1° 23.50'N 49° 23.77'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.223	0.652	-3.336	0.0000	4.339	37.3	431.0
1.0	E	28.223	0.652	-3.336	0.0307	4.340	37.3	431.0
2.0		28.223	0.652	-3.336	0.0614	4.340	37.3	431.0
3.0		28.223	0.653	-3.335	0.0921	4.351	37.4	422.0
4.0		28.219	0.664	-3.326	0.1228	4.333	37.0	422.0
5.0		28.207	0.676	-3.314	0.1535	4.448	36.7	413.2
6.0		28.186	0.707	-3.284	0.1842	4.438	36.4	396.1
7.0		28.093	0.920	-3.098	0.2147	4.327	35.2	327.6
8.0		27.978	2.379	-1.972	0.2446	4.336	32.4	119.0
9.0		27.811	7.012	1.533	0.2722	4.062	26.6	32.8
10.0		27.705	11.245	4.720	0.2965	3.620	21.2	15.2
11.0		27.706	17.633	9.484	0.3168	2.668	18.8	32.2
12.0		27.718	19.934	11.198	0.3339	1.613	29.8	543.6
13.0		27.720	19.993	11.242	0.3502	1.286	38.9	567.0



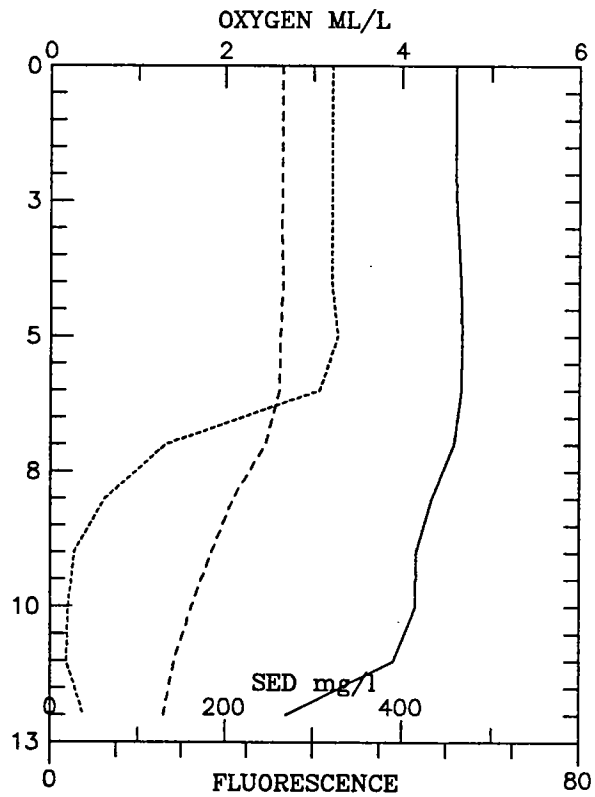
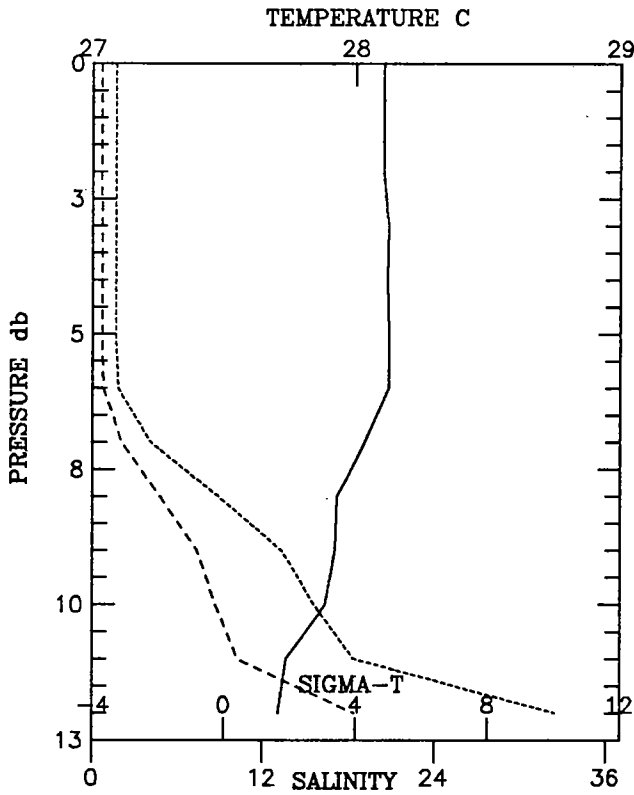
Cruise 19002 Leg 4 Station # 44.11 Depth m:14 Time: 1990-03-20 21:15  
 Position: 1° 23.49'N 49° 23.76'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.228	0.756	-3.260	0.0000	5.055	33.1	181.4
1.0		28.228	0.756	-3.260	0.0306	5.055	33.1	181.4
2.0		28.224	0.754	-3.260	0.0613	4.961	33.4	181.4
3.0		28.225	0.754	-3.260	0.0919	4.861	33.3	177.7
4.0		28.237	0.757	-3.261	0.1225	4.797	33.0	177.7
5.0		28.239	0.759	-3.261	0.1531	4.741	33.1	177.7
6.0		28.252	0.774	-3.253	0.1838	4.690	32.9	173.9
7.0		28.189	1.047	-3.030	0.2143	4.721	32.8	173.9
8.0		27.972	3.643	-1.026	0.2437	4.599	31.8	97.5
9.0		27.740	9.149	3.148	0.2700	4.248	26.3	27.0
10.0		27.677	12.243	5.472	0.2930	3.629	21.3	14.8
11.0		27.697	18.016	9.773	0.3128	2.879	17.2	17.6
12.0		27.715	19.449	10.837	0.3300	2.051	19.7	79.7



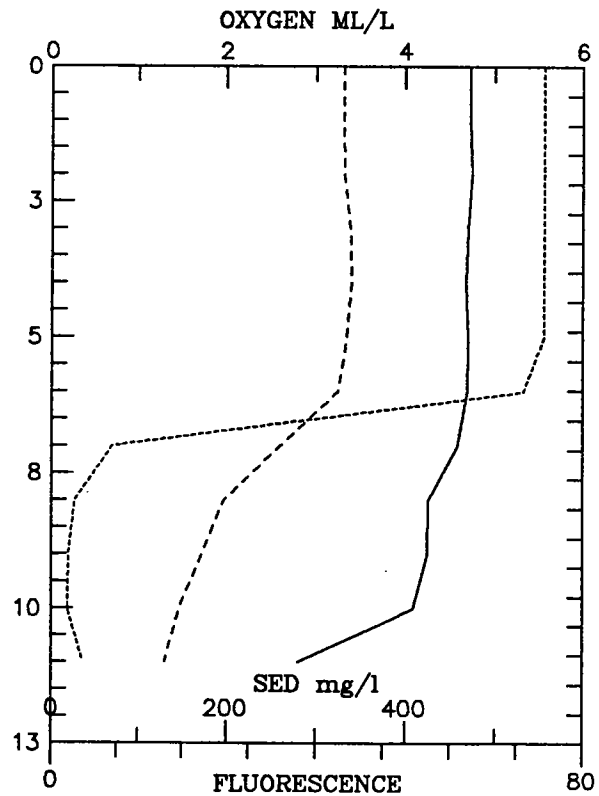
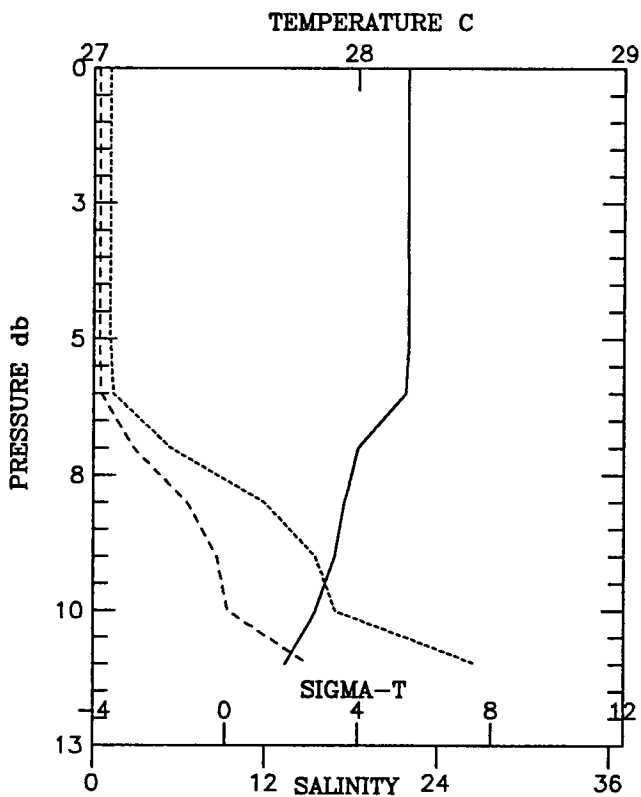
Cruise I9002 Leg 4 Station # 44.12 Depth m:14 Time: 1990-03-20 16:16  
 Position: 1° 23.53'N 49° 23.78'W Depth Deck Offset: 0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.177	0.157	-3.695	0.0000	0.000	41.3	555.2
1.0	E	28.177	0.157	-3.695	0.0311	0.000	41.3	555.2
2.0		28.177	0.157	-3.695	0.0621	0.000	41.3	555.2
3.0		28.069	0.153	-3.667	0.0932	0.000	41.6	555.2
4.0		28.049	0.152	-3.662	0.1242	0.000	41.5	555.2
5.0		28.001	0.153	-3.648	0.1553	0.000	41.3	555.2
6.0		27.995	0.170	-3.633	0.1863	0.000	41.4	555.2
7.0		27.998	0.184	-3.624	0.2173	0.000	41.0	555.2
8.0		28.000	0.202	-3.611	0.2483	0.000	40.6	555.2
9.0		27.990	0.327	-3.514	0.2792	0.000	39.8	543.6
10.0		27.968	1.773	-2.424	0.3095	0.000	32.6	170.3
11.0		27.799	8.203	2.425	0.3369	0.000	30.5	27.5
12.0		27.748	13.798	6.610	0.3598	0.000	27.1	30.0



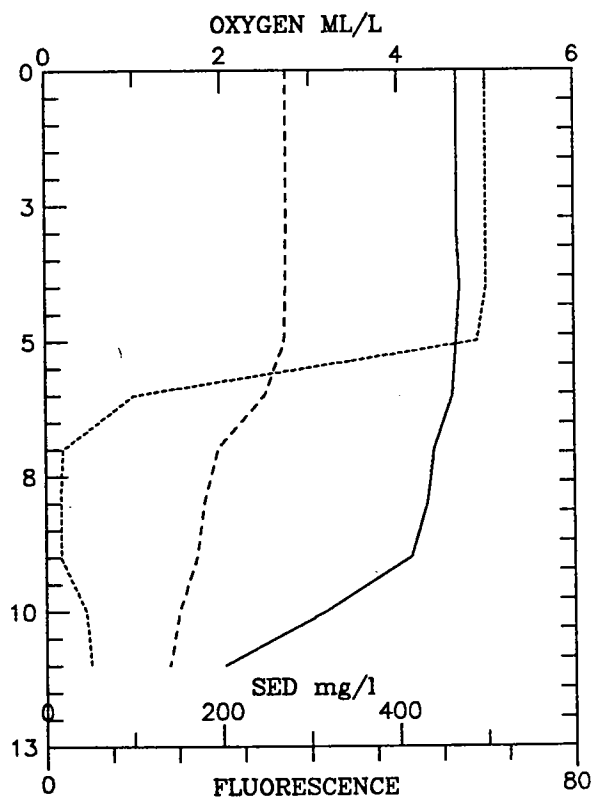
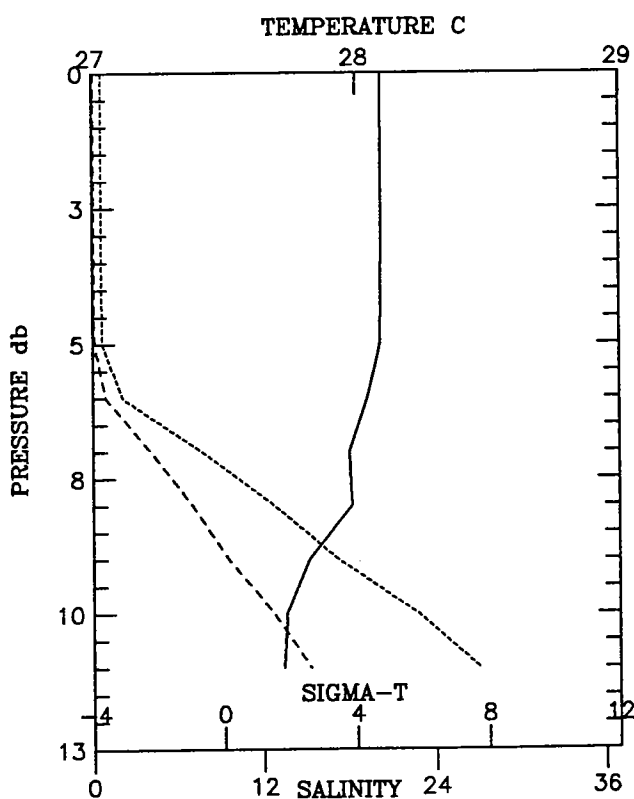
Cruise 19002 Leg 4 Station # 44.13 Depth m:14 Time: 1990-03-20 23:17  
 Position: 1° 23.49'N 49° 23.77'W Depth Deck Offset: -0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.186	0.414	-3.504	0.0000	4.725	44.1	555.2
1.0		28.186	0.414	-3.504	0.0309	4.725	44.1	555.2
2.0		28.186	0.414	-3.504	0.0617	4.746	44.2	555.2
3.0		28.186	0.413	-3.505	0.0926	4.707	45.1	555.2
4.0		28.188	0.413	-3.505	0.1235	4.679	45.3	555.2
5.0		28.190	0.415	-3.504	0.1544	4.703	44.6	555.2
6.0		28.178	0.532	-3.413	0.1852	4.697	43.3	532.2
7.0		27.999	2.815	-1.652	0.2151	4.586	34.7	69.8
8.0		27.950	6.581	1.172	0.2427	4.261	26.3	26.6
9.0		27.913	8.644	2.721	0.2681	4.251	23.0	19.2
10.0		27.838	9.411	3.314	0.2925	4.095	19.6	18.2
11.0		27.726	15.063	7.560	0.3144	2.805	17.4	36.3



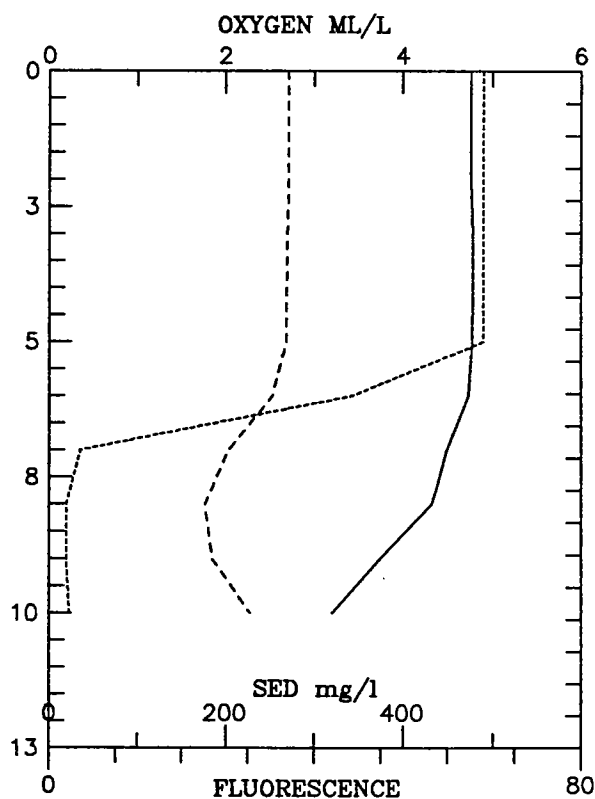
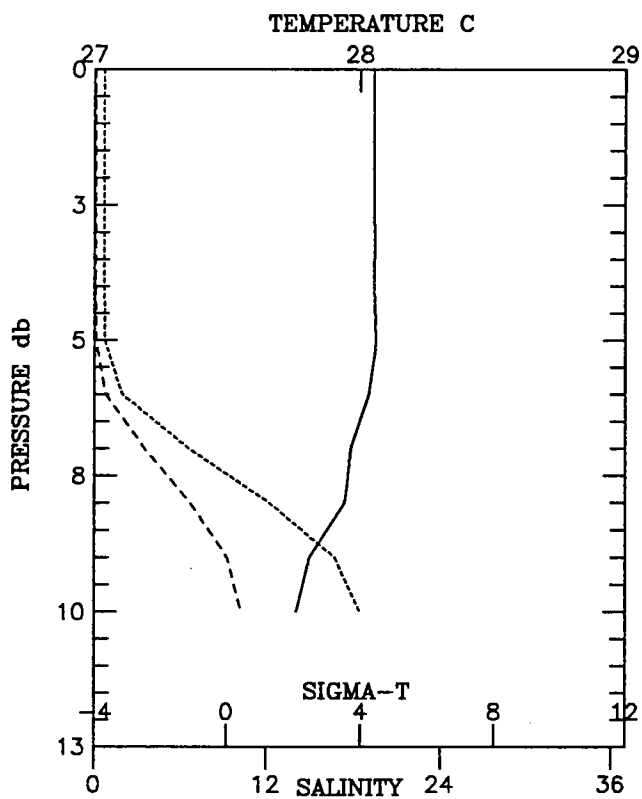
Cruise 19002 Leg 4 Station # 44.14 Depth m:13 Time: 1990-03-21 00:14  
 Position: 1° 23.49'N 49° 23.77'W Depth Deck Offset: -0.13 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.095	0.089	-3.723	0.0000	4.676	499.6
1.0	E	28.095	0.089	-3.723	0.0311	4.676	499.6
2.0	E	28.094	0.089	-3.723	0.0622	4.677	499.6
3.0		28.094	0.089	-3.723	0.0933	4.677	499.6
4.0		28.092	0.085	-3.725	0.1244	4.701	499.6
5.0		28.090	0.118	-3.700	0.1555	4.662	489.1
6.0		28.042	0.928	-3.077	0.1862	4.617	33.2
7.0		27.974	4.139	-0.657	0.2155	4.403	26.1
8.0		27.983	7.059	1.518	0.2424	4.325	24.0
9.0		27.821	9.565	3.434	0.2673	4.142	22.9
10.0		27.736	12.743	5.828	0.2900	3.174	20.2
11.0		27.725	15.248	7.699	0.3107	2.036	18.7



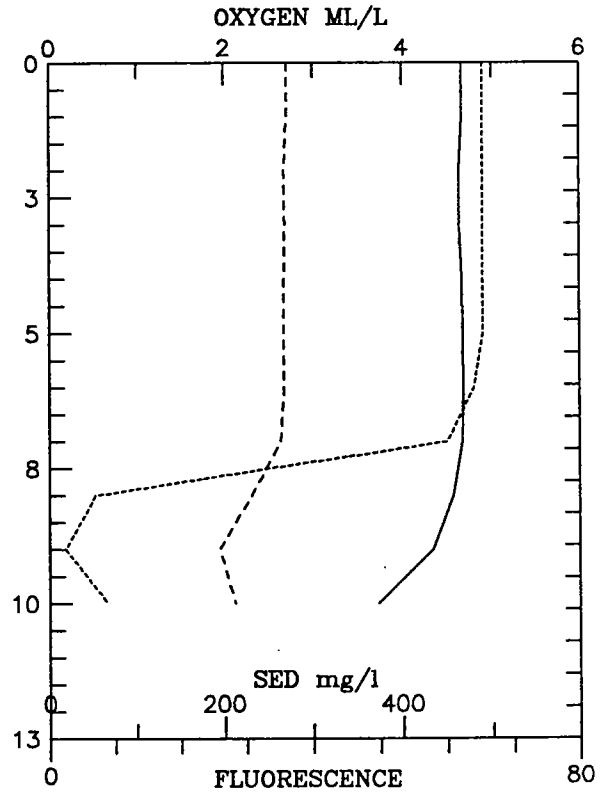
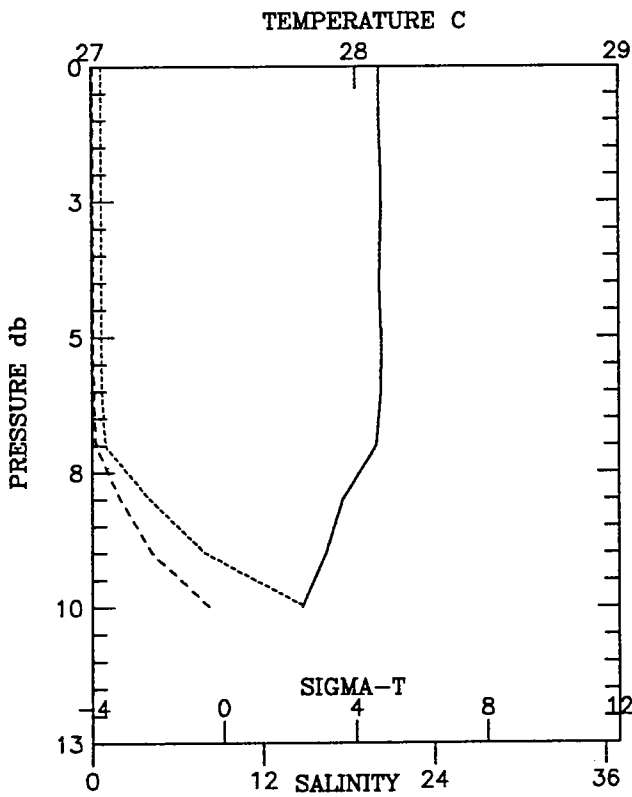
Cruise I9002 Leg 4 Station # 44.15 Depth m:13 Time: 1990-03-21 01:19  
 Position: 1° 23.49'N 49° 23.77'W Depth Deck Offset: -0.15 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.051	0.108	-3.696	0.0000	4.764	36.2	489.1
1.0	E	28.050	0.108	-3.696	0.0311	4.764	36.2	489.1
2.0		28.050	0.108	-3.696	0.0621	4.765	36.2	489.1
3.0		28.053	0.109	-3.696	0.0932	4.785	36.0	489.1
4.0		28.051	0.105	-3.698	0.1243	4.785	35.9	489.1
5.0		28.059	0.130	-3.682	0.1553	4.780	35.9	489.1
6.0		28.030	0.809	-3.163	0.1861	4.730	33.8	341.7
7.0		27.964	3.508	-1.125	0.2156	4.495	27.1	34.9
8.0		27.942	6.731	1.286	0.2429	4.328	23.6	19.0
9.0		27.811	9.304	3.242	0.2680	3.742	24.7	19.0
10.0		27.761	10.276	3.981	0.2918	3.207	30.4	22.6



Cruise I9002 Leg 4 Station # 44.16 Depth m:13 Time: 1990-03-21 02:18  
 Position: 1° 23.49'N 49° 23.77'W Depth Deck Offset: -0.13 Fish 2

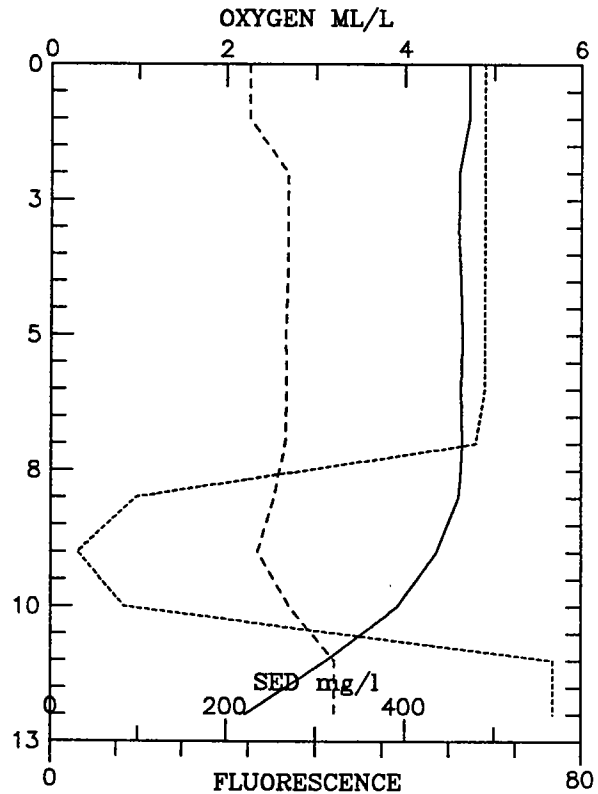
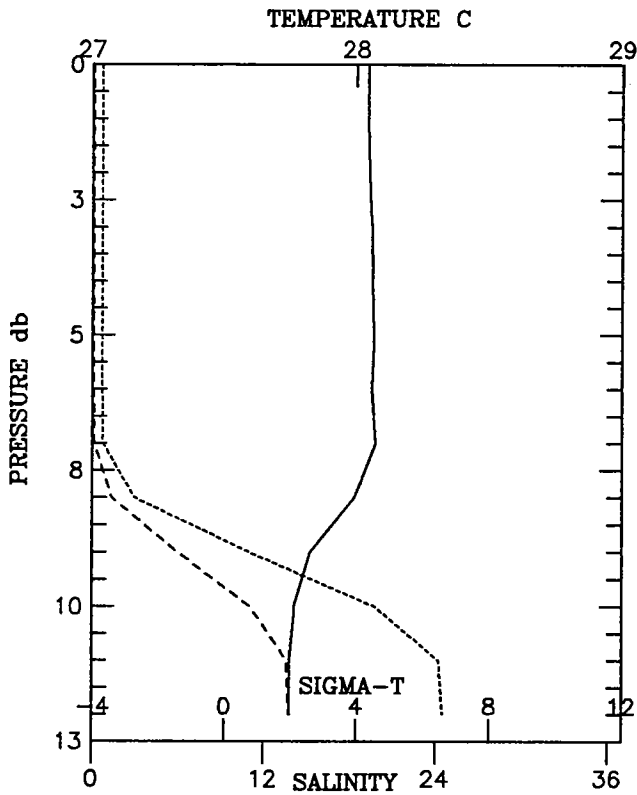
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.090	0.102	-3.712	0.0000	4.669	36.1	489.1
1.0		28.090	0.102	-3.712	0.0311	4.670	36.1	489.1
2.0		28.097	0.104	-3.712	0.0622	4.637	35.7	489.1
3.0		28.094	0.102	-3.713	0.0933	4.638	35.8	489.1
4.0		28.089	0.099	-3.713	0.1243	4.668	35.7	489.1
5.0		28.096	0.107	-3.710	0.1554	4.676	35.7	489.1
6.0		28.094	0.116	-3.702	0.1865	4.679	35.7	478.9
7.0		28.076	0.255	-3.593	0.2175	4.668	35.2	449.6
8.0		27.950	2.014	-2.237	0.2478	4.568	30.8	52.4
9.0		27.885	4.238	-0.557	0.2766	4.340	26.0	18.1
10.0		27.796	8.277	2.481	0.3030	3.728	28.3	67.1





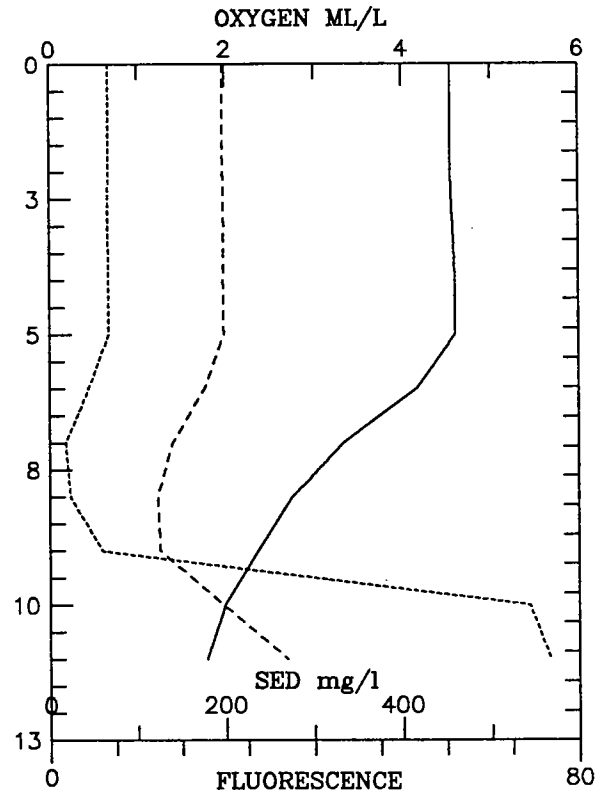
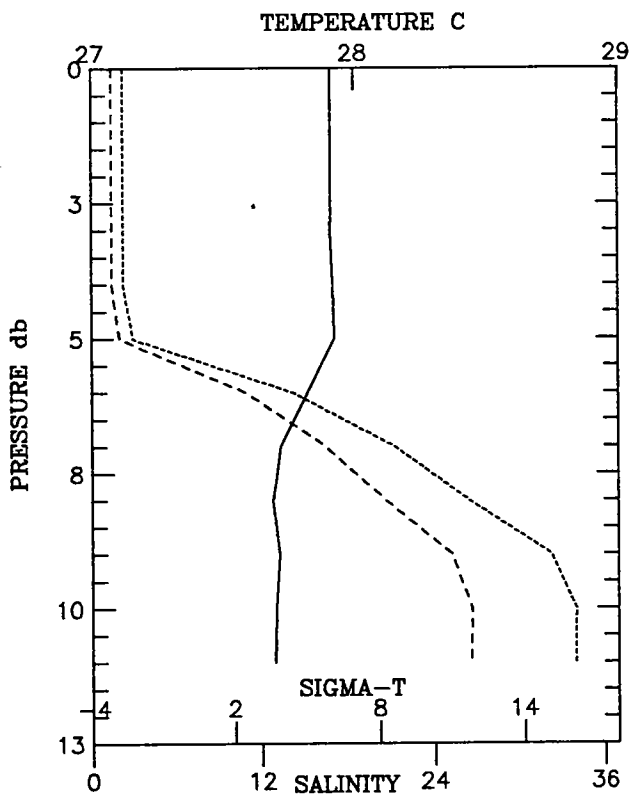
Cruise I9002 Leg 4 Station # 44.17 Depth m:14 Time: 1990-03-21 03:23  
 Position: 1° 23.56'N 49° 23.74'W Depth Deck Offset: -0.23 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.044	0.101	-3.699	0.0000	4.725	30.1	489.1
1.0		28.044	0.101	-3.699	0.0311	4.726	30.1	489.1
2.0		28.048	0.101	-3.700	0.0621	4.611	35.9	489.1
3.0		28.058	0.104	-3.701	0.0932	4.601	35.8	489.1
4.0		28.061	0.106	-3.700	0.1243	4.630	35.8	489.1
5.0		28.065	0.107	-3.701	0.1554	4.643	35.6	489.1
6.0		28.059	0.109	-3.697	0.1864	4.635	35.7	489.1
7.0		28.073	0.143	-3.676	0.2175	4.649	35.5	478.9
8.0		27.991	1.385	-2.721	0.2481	4.605	33.8	97.5
9.0		27.826	6.001	0.775	0.2764	4.358	31.4	30.5
10.0		27.764	11.058	4.563	0.3011	3.919	36.1	83.9
11.0		27.749	13.621	6.478	0.3230	3.129	42.8	567.0
12.0		27.748	13.778	6.595	0.3438	2.219	42.8	567.0



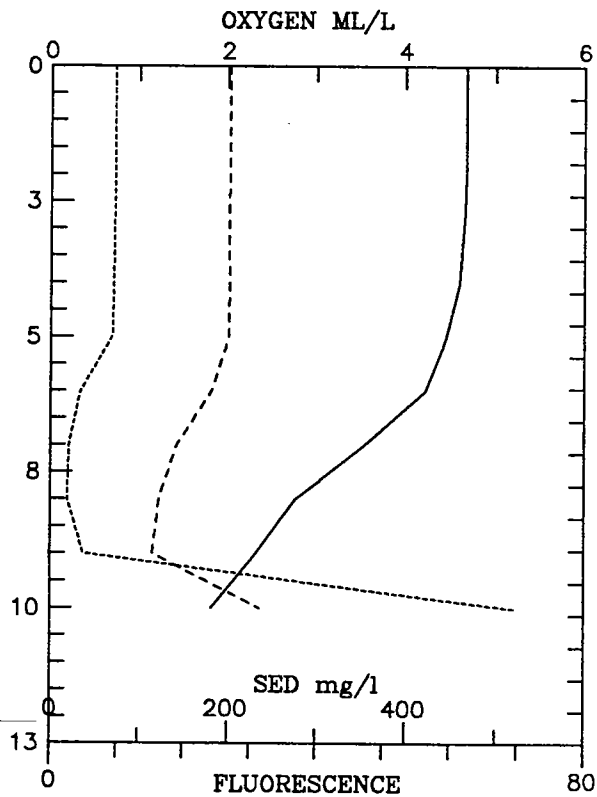
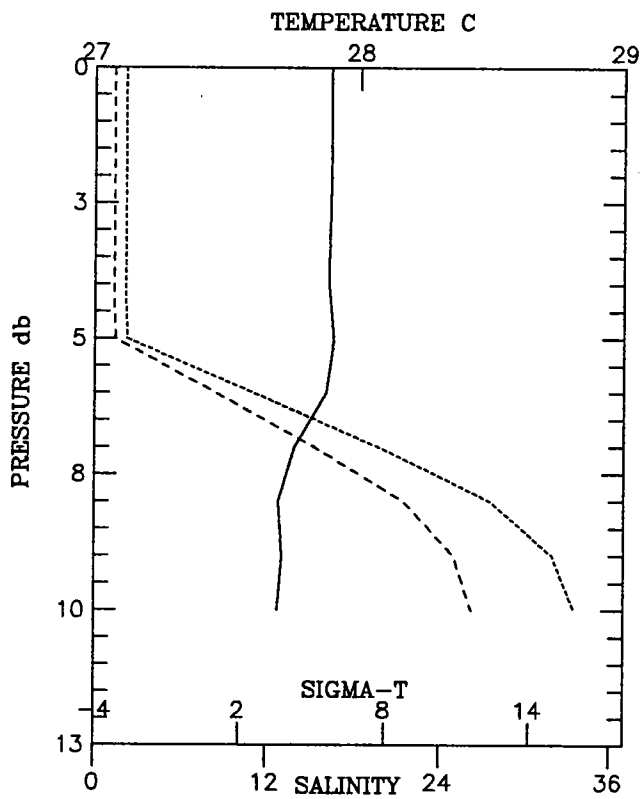
Cruise 19002 Leg 4 Station # 45.01 Depth m:12 Time: 1990-03-21 07:12  
 Position: 1° 37.90'N 49° 12.65'W Depth Deck Offset: -0.13 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 27.912	1.440	-2.657	0.0000	4.553	26.4	67.1
1.0	E 27.912	1.440	-2.657	0.0300	4.554	26.4	67.1
2.0	27.912	1.440	-2.657	0.0600	4.554	26.4	67.1
3.0	27.911	1.436	-2.659	0.0901	4.583	26.5	66.6
4.0	27.919	1.442	-2.657	0.1201	4.601	26.4	67.6
5.0	27.924	1.972	-2.261	0.1499	4.606	26.5	67.1
6.0	27.824	10.887	4.418	0.1762	4.168	23.5	44.3
7.0	27.721	16.493	8.629	0.1971	3.337	18.7	18.1
8.0	27.692	20.600	11.704	0.2144	2.751	16.4	23.4
9.0	27.715	25.205	15.140	0.2285	2.368	16.8	59.8
10.0	27.704	26.604	16.191	0.2404	1.993	26.4	543.6
11.0	27.700	26.557	16.157	0.2519	1.787	36.0	567.0



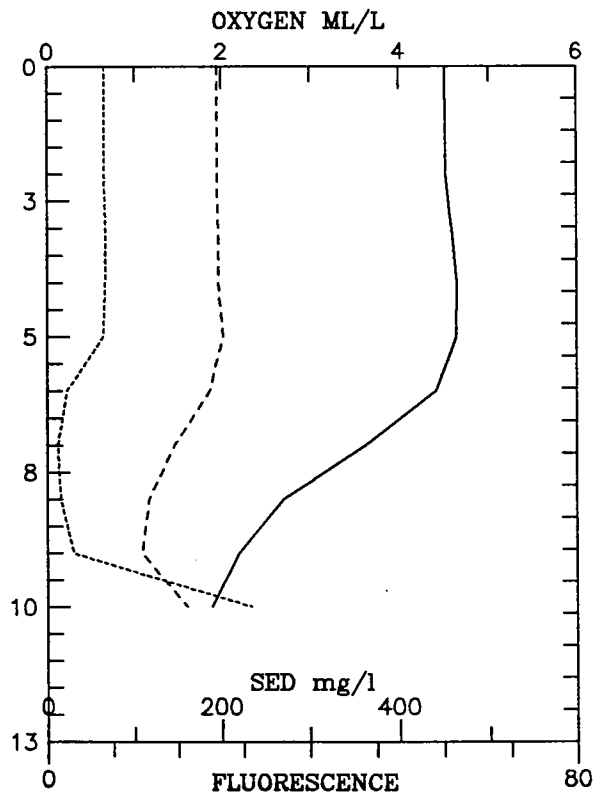
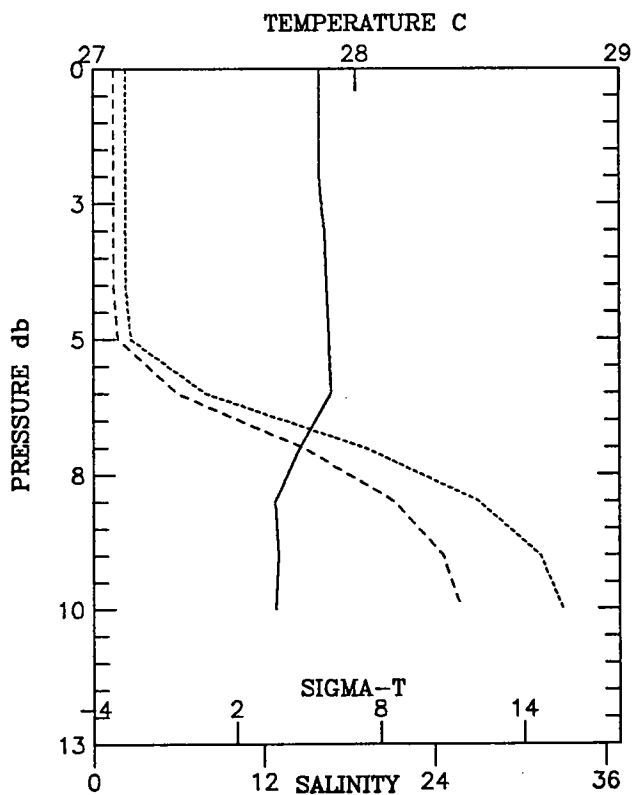
Cruise I9002 Leg 4 Station # 45.02 Depth m:12 Time: 1990-03-21 08:22  
 Position: 1° 37.90'N 49° 12.65'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.891	1.337	-2.728	0.0000	4.673	26.9	72.4
1.0	E	27.891	1.337	-2.728	0.0301	4.674	26.9	72.4
2.0		27.891	1.337	-2.728	0.0602	4.674	26.9	72.4
3.0		27.885	1.331	-2.731	0.0903	4.650	26.8	71.9
4.0		27.883	1.330	-2.731	0.1204	4.605	26.9	71.1
5.0		27.900	1.440	-2.653	0.1504	4.460	26.8	69.8
6.0		27.873	8.520	2.640	0.1778	4.225	24.3	33.5
7.0		27.756	15.350	7.765	0.2000	3.536	19.1	20.8
8.0		27.695	21.524	12.393	0.2174	2.768	16.4	19.1
9.0		27.709	25.007	14.993	0.2312	2.323	15.5	37.3
10.0		27.693	26.236	15.919	0.2434	1.824	31.6	521.1



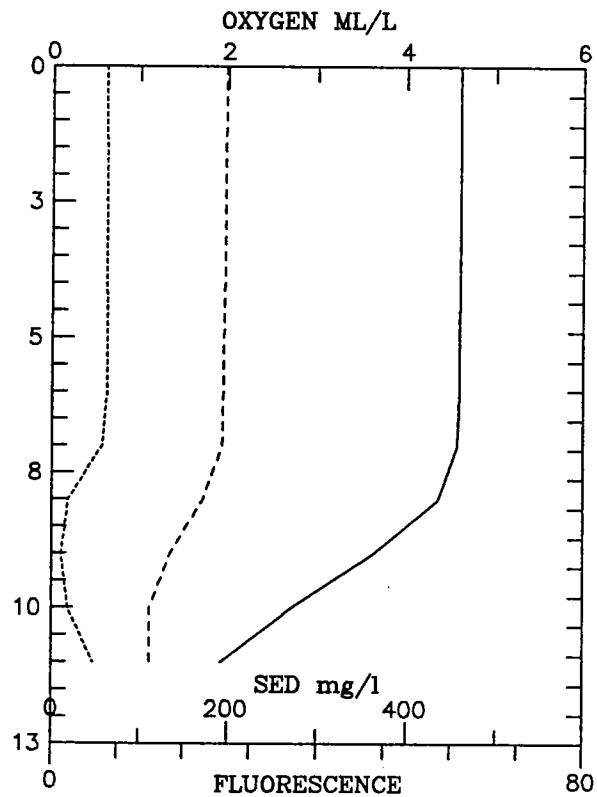
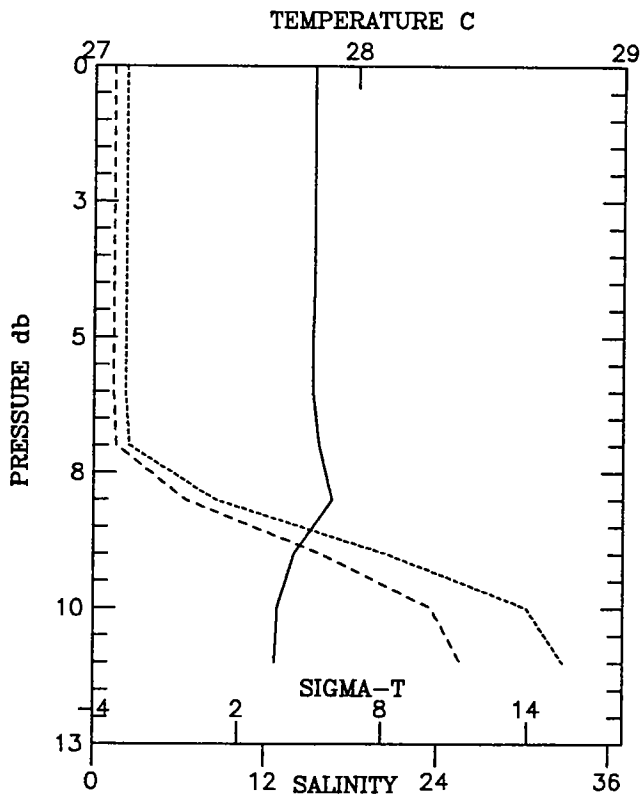
Cruise 19002 Leg 4 Station # 45.03 Depth m:12 Time: 1990-03-21 09:16  
 Position: 1° 37.90'N 49° 12.65'W Depth Deck Offset: -0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.861	1.448	-2.636	0.0000	4.519	64.6
1.0	E	27.861	1.448	-2.636	0.0300	4.520	64.6
2.0		27.860	1.448	-2.636	0.0600	4.520	64.6
3.0		27.880	1.435	-2.652	0.0900	4.587	66.6
4.0		27.888	1.456	-2.638	0.1200	4.647	66.1
5.0		27.897	1.760	-2.413	0.1499	4.641	63.9
6.0		27.904	5.941	0.708	0.1781	4.411	24.9
7.0		27.787	14.786	7.335	0.2015	3.625	19.5
8.0		27.691	21.165	12.126	0.2192	2.712	15.6
9.0		27.703	24.581	14.677	0.2334	2.201	29.9
10.0		27.694	25.855	15.633	0.2458	1.889	233.7



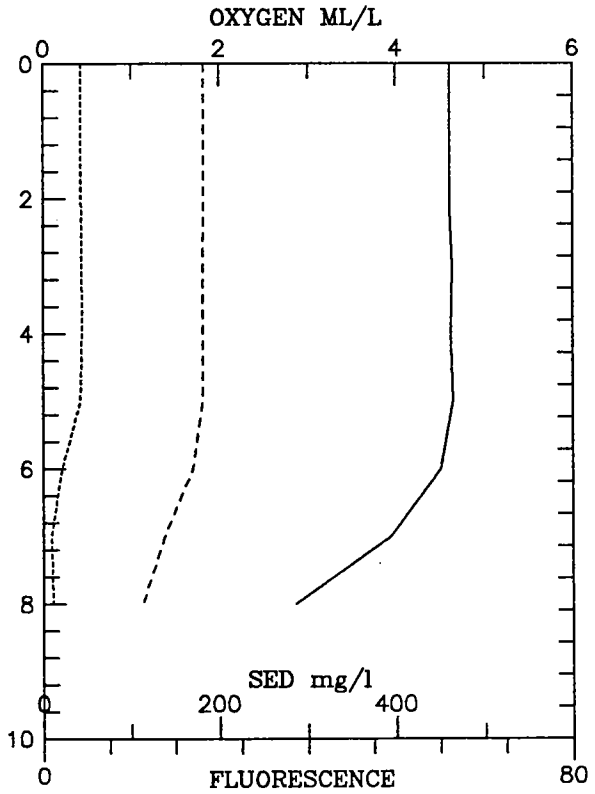
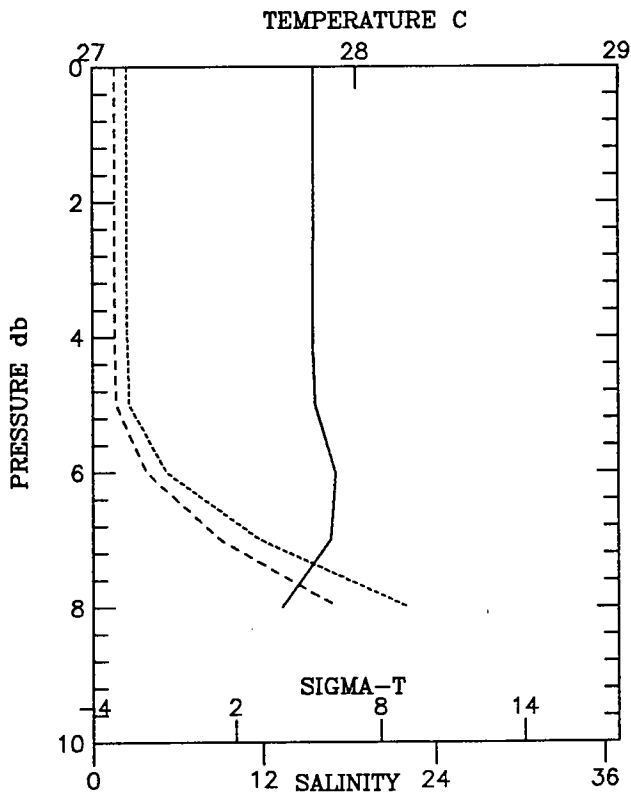
Cruise I9002 Leg 4 Station # 45.04 Depth m:11 Time: 1990-03-21 10:13  
 Position: 1° 37.90'N 49° 12.65'W Depth Deck Offset: 2.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.834	1.373	-2.685	0.0000	4.600	26.3	61.6
1.0		27.834	1.373	-2.685	0.0301	4.601	26.3	61.6
2.0	*	27.834	1.372	-2.686	0.0601	4.601	26.2	62.1
3.0	*	27.834	1.372	-2.686	0.0902	4.601	26.2	62.1
4.0		27.834	1.372	-2.686	0.1202	4.601	26.2	62.3
5.0		27.831	1.366	-2.689	0.1503	4.594	26.1	62.8
6.0		27.831	1.366	-2.689	0.1803	4.595	26.0	62.8
7.0		27.853	1.570	-2.543	0.2103	4.572	25.9	57.5
8.0		27.904	6.422	1.066	0.2384	4.355	23.0	18.8
9.0		27.759	15.958	8.218	0.2611	3.631	18.1	10.7
10.0		27.695	23.630	13.968	0.2775	2.717	15.0	18.2
11.0		27.687	25.650	15.482	0.2904	1.933	15.0	47.5



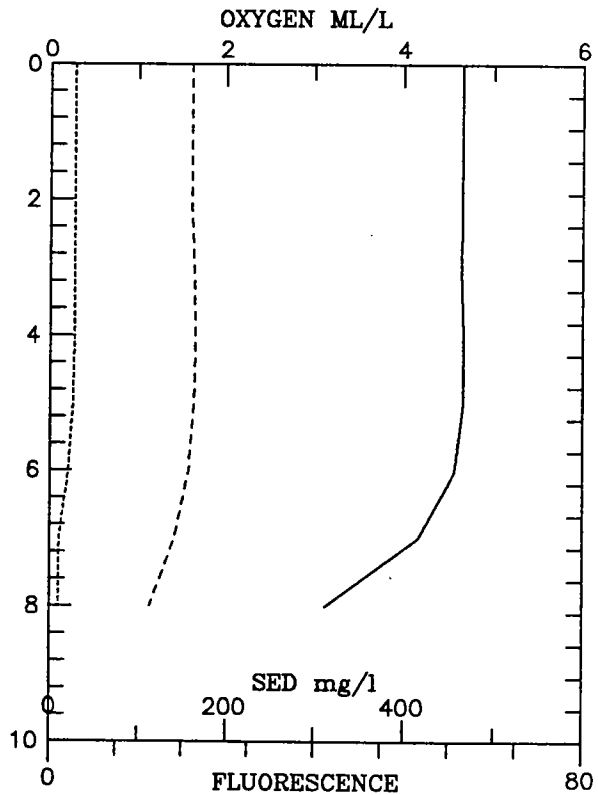
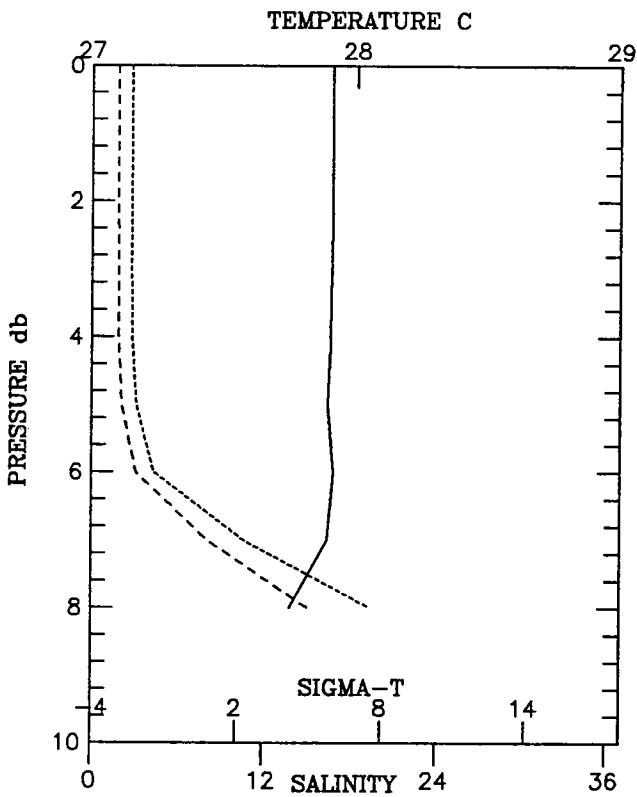
Cruise I9002 Leg 4 Station # 45.05 Depth m:11 Time: 1990-03-21 11:19  
 Position: 1° 37.90'N 49° 12.65'W Depth Deck Offset: -0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.841	1.562	-2.545	0.0000	4.607	24.3	42.7
1.0	E	27.841	1.562	-2.545	0.0299	4.608	24.3	42.7
2.0		27.840	1.562	-2.545	0.0598	4.608	24.3	42.7
3.0		27.838	1.560	-2.546	0.0897	4.641	24.2	43.6
4.0		27.837	1.565	-2.542	0.1196	4.628	24.2	43.8
5.0		27.845	1.675	-2.462	0.1495	4.647	24.2	41.9
6.0		27.921	3.819	-0.880	0.1785	4.508	22.7	21.0
7.0		27.902	9.040	3.019	0.2048	3.946	18.4	8.8
8.0		27.721	17.201	9.157	0.2261	2.867	15.1	10.6



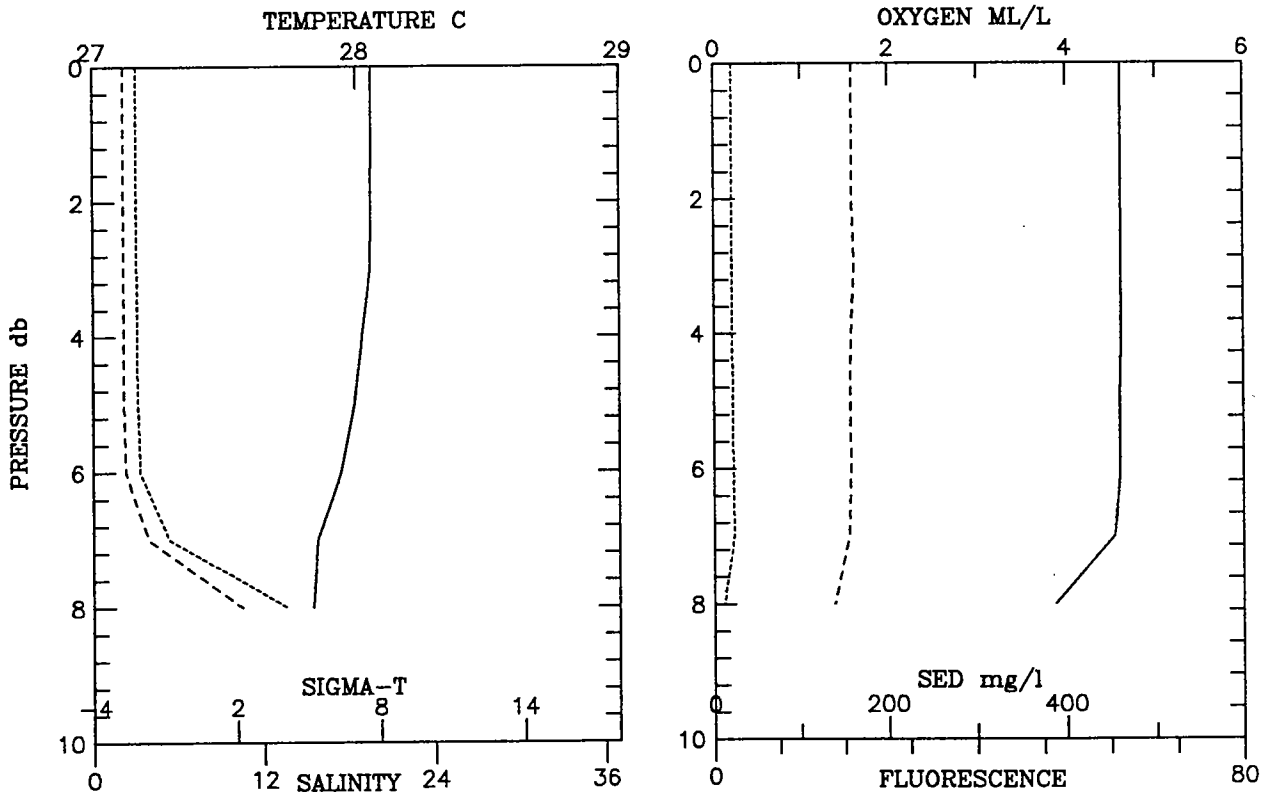
Cruise 19002 Leg 4 Station # 45.06 Depth m:10.5 Time: 1990-03-21 12:16  
 Position: 1° 37.90'N 49° 12.65'W Depth Deck Offset: -0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.909	1.861	-2.341	0.0000	4.651	21.4	27.4
1.0	E	27.908	1.861	-2.341	0.0297	4.651	21.4	27.4
2.0		27.908	1.861	-2.341	0.0594	4.652	21.4	27.4
3.0		27.904	1.867	-2.335	0.0891	4.649	21.8	27.5
4.0		27.900	1.893	-2.314	0.1188	4.664	22.0	27.4
5.0		27.891	2.136	-2.129	0.1484	4.671	21.8	25.6
6.0		27.913	3.136	-1.388	0.1775	4.570	21.0	20.6
7.0		27.891	8.106	2.326	0.2044	4.164	18.9	10.2
8.0		27.749	15.116	7.593	0.2268	3.133	15.2	9.6



Cruise I9002 Leg 4 Station # 45.07 Depth m:11 Time: 1990-03-21 13:18  
 Position: 1° 37.91'N 49° 12.03'W Depth Deck Offset: -0.03 Fish 2

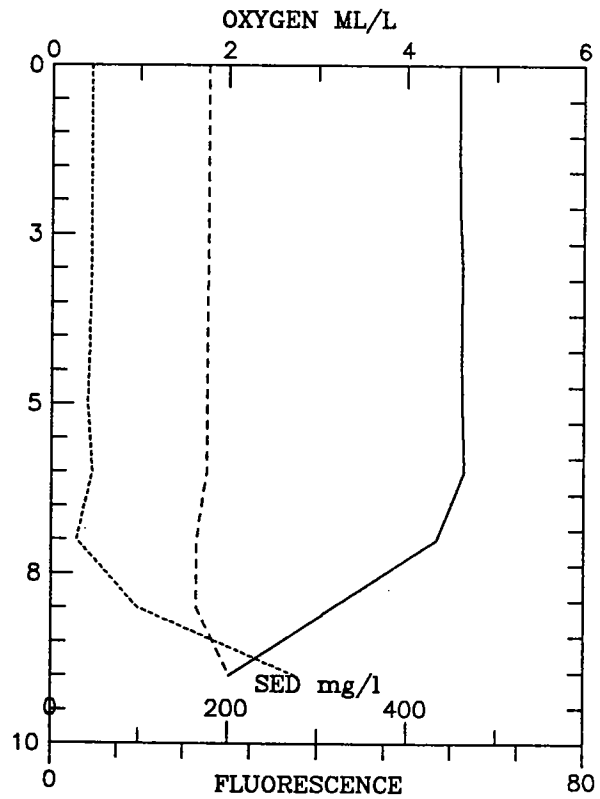
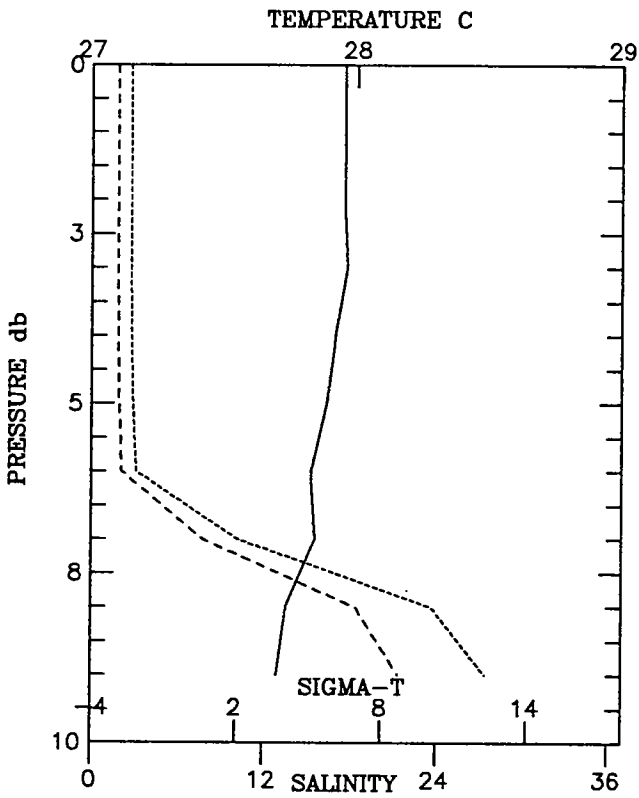
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.057	2.140	-2.174	0.0000	4.618	21.2	20.6
1.0	E	28.056	2.140	-2.174	0.0295	4.618	21.2	20.6
2.0		28.056	2.140	-2.174	0.0591	4.619	21.2	20.6
3.0		28.053	2.139	-2.173	0.0886	4.619	21.5	20.6
4.0		28.022	2.151	-2.156	0.1181	4.615	21.0	20.9
5.0		27.993	2.177	-2.128	0.1476	4.603	20.9	21.2
6.0		27.942	2.277	-2.038	0.1771	4.605	21.0	22.1
7.0		27.852	3.882	-0.813	0.2059	4.546	20.7	22.8
8.0		27.834	10.466	4.101	0.2316	3.880	18.5	10.9





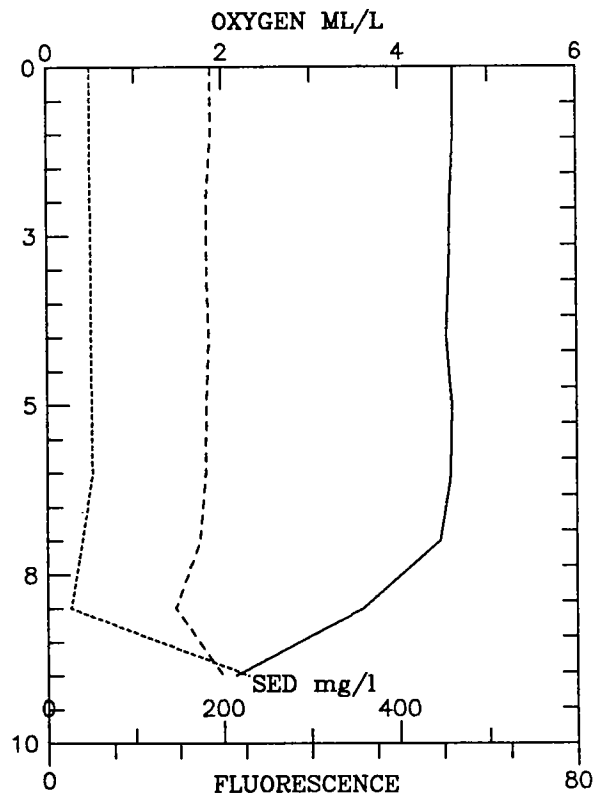
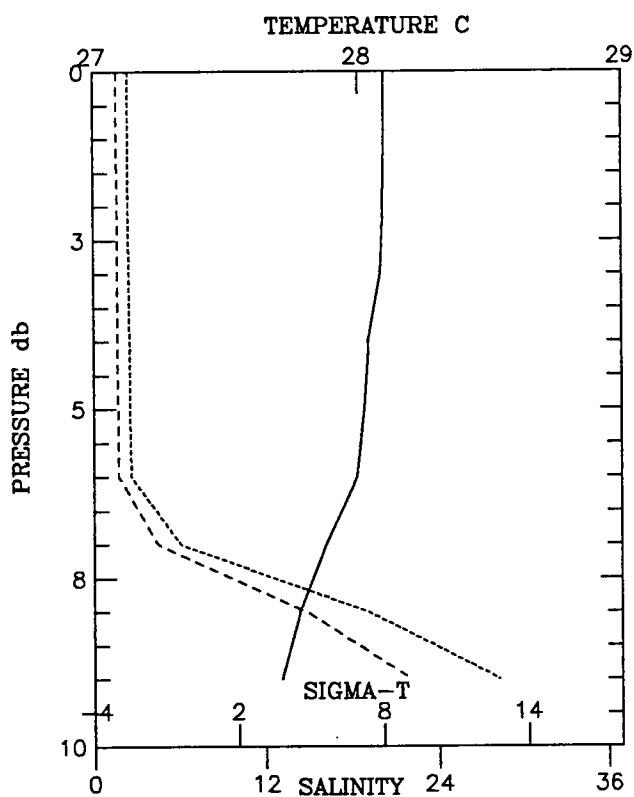
Cruise I9002 Leg 4 Station # 45.08 Depth m:11.5 Time: 1990-03-21 14:13  
 Position: 1° 37.81'N 49° 12.03'W Depth Deck Offset: 0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.953	1.815	-2.388	0.0000	4.591	23.6	44.6
1.0	E	27.953	1.815	-2.388	0.0298	4.591	23.6	44.6
2.0		27.953	1.815	-2.388	0.0595	4.592	23.6	44.6
3.0		27.963	1.813	-2.392	0.0893	4.621	23.6	44.8
4.0		27.919	1.841	-2.359	0.1190	4.619	23.5	43.3
5.0		27.888	1.913	-2.295	0.1487	4.625	23.5	41.3
6.0		27.829	2.089	-2.147	0.1783	4.647	23.5	46.6
7.0		27.844	7.786	2.101	0.2057	4.343	22.0	28.9
8.0		27.736	18.446	10.082	0.2270	3.165	22.0	98.2
9.0		27.700	21.415	12.310	0.2433	2.020	27.0	276.7



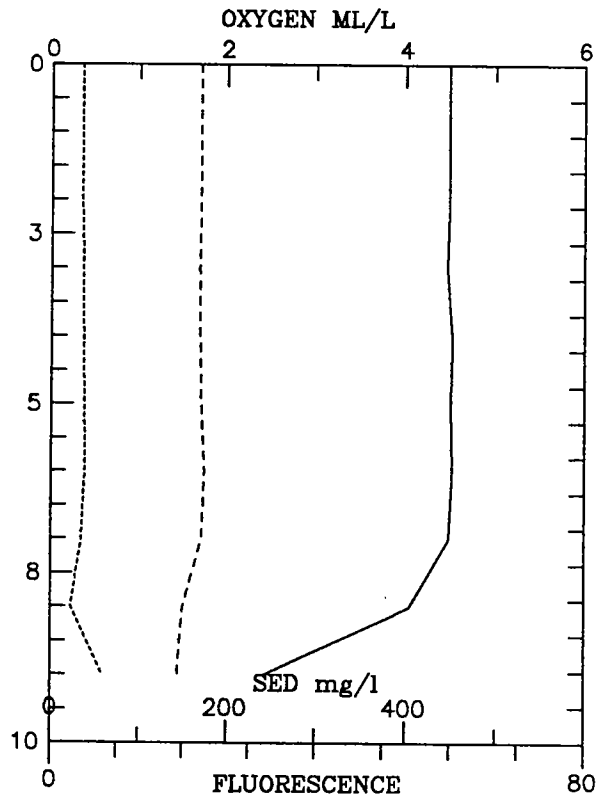
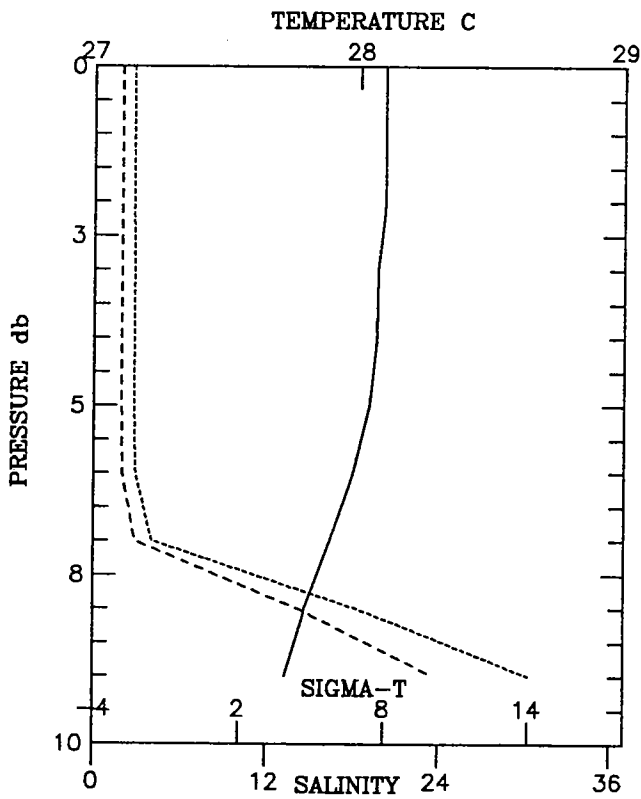
Cruise I9002 Leg 4 Station # 45.09 Depth m:11 Time: 1990-03-21 15:15  
 Position: 1° 37.81'N 49° 12.03'W Depth Deck Offset: -0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.097	1.686	-2.526	0.0000	4.614	25.0	49.3
1.0		28.097	1.686	-2.526	0.0299	4.615	25.0	49.3
2.0		28.092	1.691	-2.520	0.0598	4.584	24.3	49.3
3.0		28.082	1.696	-2.514	0.0897	4.566	24.3	49.6
4.0		28.036	1.712	-2.489	0.1195	4.537	24.6	49.5
5.0		28.020	1.727	-2.473	0.1494	4.594	24.2	50.4
6.0		27.993	1.782	-2.424	0.1792	4.583	24.1	50.9
7.0		27.877	4.532	-0.335	0.2079	4.465	23.2	39.4
8.0		27.775	14.832	7.373	0.2318	3.591	19.5	26.1
9.0		27.709	22.066	12.794	0.2492	2.140	26.6	228.8



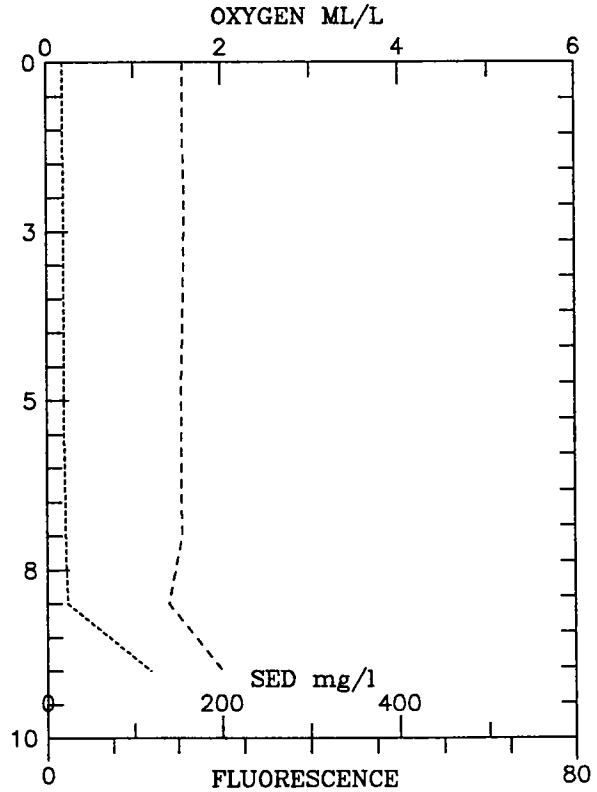
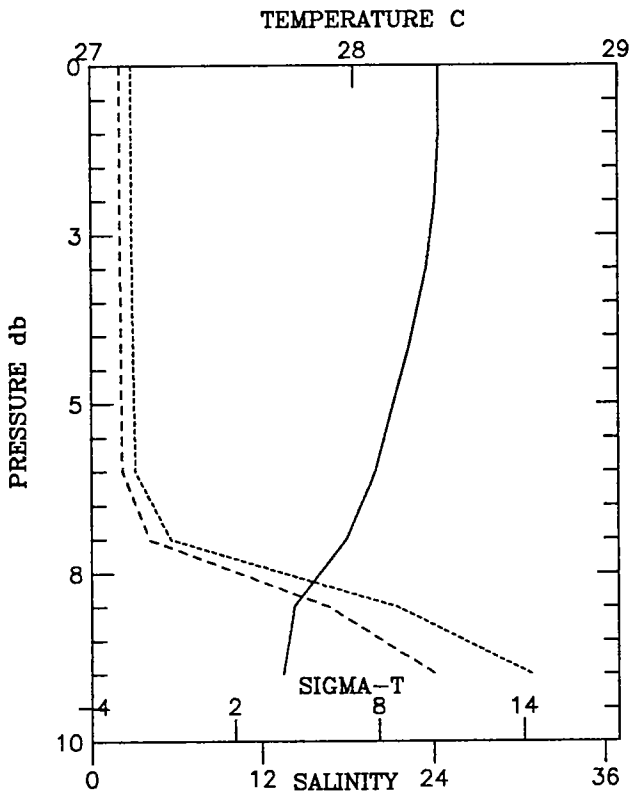
Cruise 19002 Leg 4 Station # 45.10 Depth m:11 Time: 1990-03-21 16:15  
 Position: 1° 37.80'N 49° 12.05'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.094	1.908	-2.359	0.0000	4.485	22.7	34.8
1.0	E	28.093	1.908	-2.358	0.0297	4.486	22.7	34.8
2.0		28.093	1.908	-2.358	0.0594	4.486	22.7	34.8
3.0		28.067	1.906	-2.352	0.0892	4.464	22.5	36.1
4.0		28.062	1.905	-2.352	0.1189	4.525	22.6	36.3
5.0		28.036	1.908	-2.342	0.1486	4.509	22.8	37.7
6.0		27.975	1.978	-2.272	0.1783	4.524	23.3	38.0
7.0		27.889	2.846	-1.598	0.2076	4.489	22.9	34.6
8.0		27.793	14.200	6.897	0.2323	4.050	20.1	23.0
9.0		27.721	23.719	14.026	0.2493	2.424	19.3	58.8



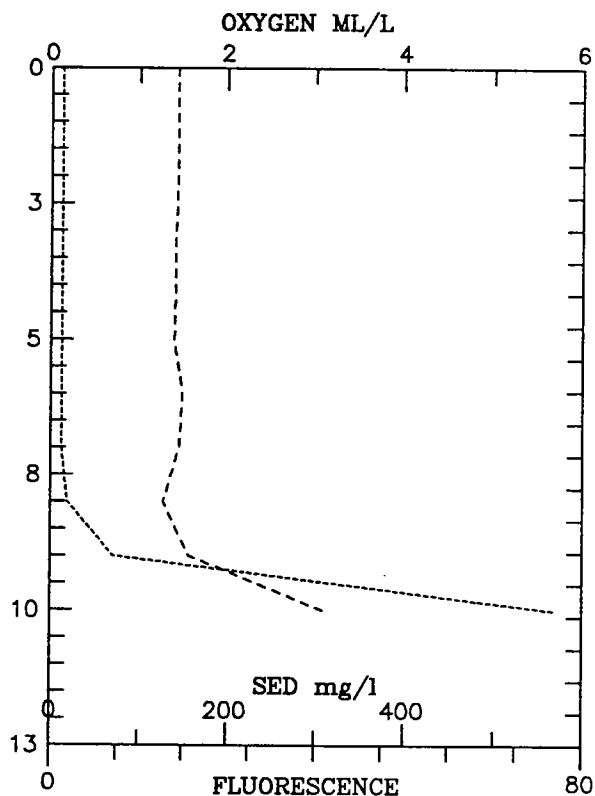
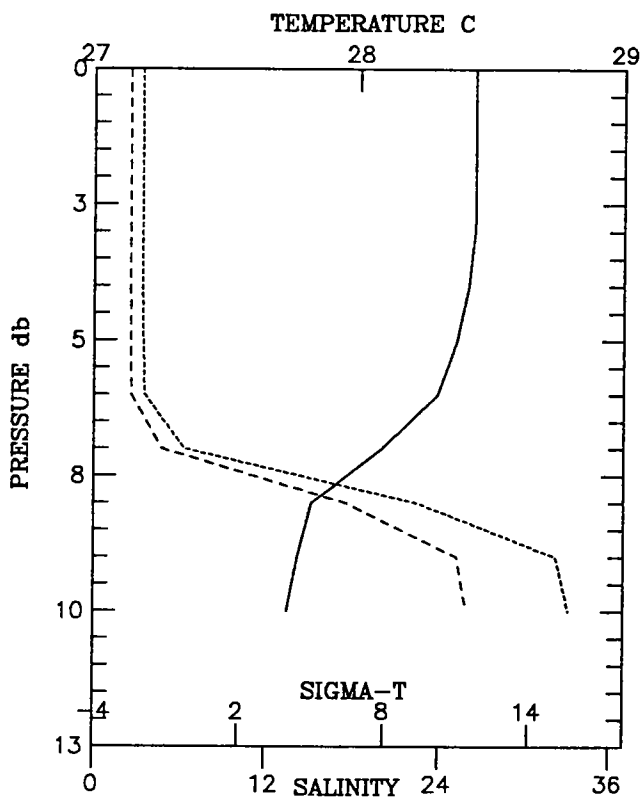
Cruise I9002 Leg 4 Station # 45.11 Depth m:11 Time: 1990-03-21 17:17  
 Position: 1° 37.78'N 49° 12.06'W Depth Deck Offset: 0.15 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.320	2.083	-2.293	0.0000	0.000	20.9	18.8
1.0		28.320	2.083	-2.293	0.0297	0.000	20.9	18.8
2.0		28.305	2.084	-2.288	0.0593	0.000	21.1	18.9
3.0		28.272	2.088	-2.275	0.0890	0.000	21.0	19.0
4.0		28.215	2.104	-2.246	0.1186	0.000	20.8	19.0
5.0		28.148	2.134	-2.204	0.1482	0.000	20.6	19.0
6.0		28.081	2.193	-2.141	0.1777	0.000	20.6	20.0
7.0		27.969	4.131	-0.661	0.2065	0.000	20.7	21.0
8.0		27.772	16.673	8.748	0.2298	0.000	18.7	23.0
9.0		27.730	24.131	14.331	0.2458	0.000	26.8	119.0



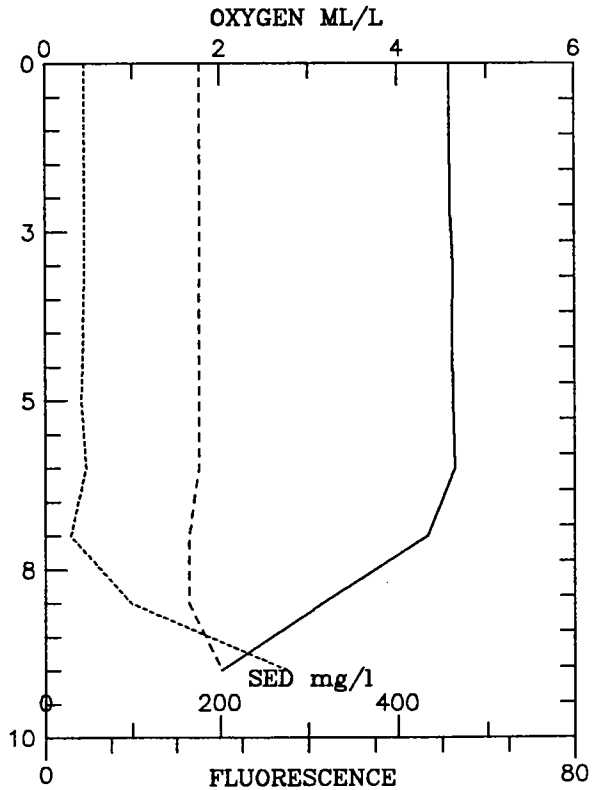
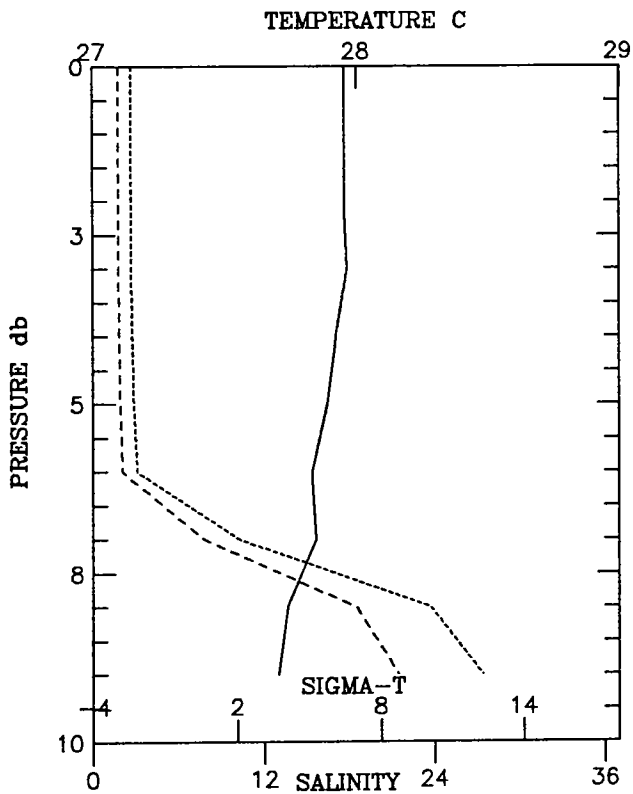
Cruise I9002 Leg 4 Station # 45.12 Depth m:12 Time: 1990-03-21 18:16  
 Position: 1° 37.78'N 49° 12.06'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.434	2.523	-1.997	0.0000	0.000	19.2	11.9
1.0	E	28.434	2.523	-1.997	0.0294	0.000	19.2	11.9
2.0		28.434	2.523	-1.996	0.0587	0.000	19.2	11.9
3.0		28.431	2.523	-1.996	0.0881	0.000	18.9	11.9
4.0		28.410	2.529	-1.985	0.1174	0.000	18.9	12.0
5.0		28.366	2.554	-1.954	0.1468	0.000	18.7	12.0
6.0		28.292	2.611	-1.890	0.1760	0.000	20.0	11.9
7.0		28.085	4.765	-0.222	0.2045	0.000	19.5	12.1
8.0		27.819	17.553	9.390	0.2273	0.000	17.1	18.7
9.0		27.768	25.264	15.167	0.2425	0.000	21.0	71.1
10.0		27.729	25.954	15.696	0.2547	0.000	41.2	567.0



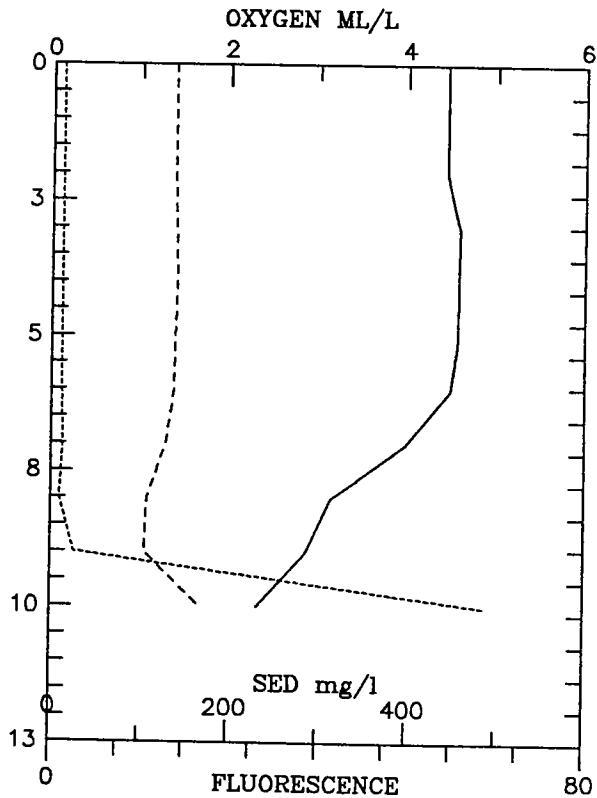
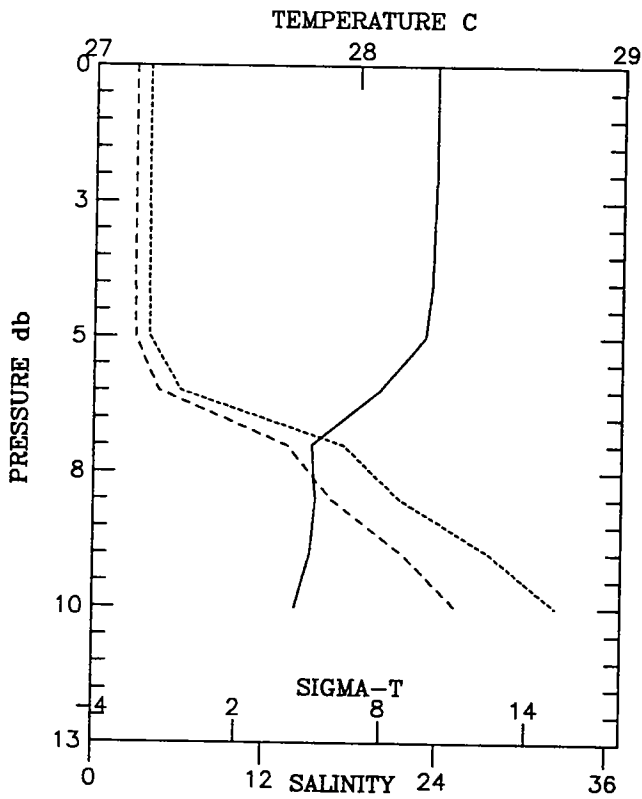
Cruise 19002 Leg 4 Station # 45.08 Depth m:11.5 Time: 1990-03-21 14:13  
 Position: 1° 37.81'N 49° 12.03'W Depth Deck Offset: 0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.953	1.815	-2.388	0.0000	4.591	23.6	44.6
1.0	E	27.953	1.815	-2.388	0.0298	4.591	23.6	44.6
2.0		27.953	1.815	-2.388	0.0595	4.592	23.6	44.6
3.0		27.963	1.813	-2.392	0.0893	4.621	23.6	44.8
4.0		27.919	1.841	-2.359	0.1190	4.619	23.5	43.3
5.0		27.888	1.913	-2.295	0.1487	4.625	23.5	41.3
6.0		27.829	2.089	-2.147	0.1783	4.647	23.5	46.6
7.0		27.844	7.786	2.101	0.2057	4.343	22.0	28.9
8.0		27.736	18.446	10.082	0.2270	3.165	22.0	98.2
9.0		27.700	21.415	12.310	0.2433	2.020	27.0	276.7



Cruise 19002 Leg 4 Station # 45.13 Depth m:11.5 Time: 1990-03-21 19:17  
 Position: 1° 37.86'N 49° 12.06'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.288	2.832	-1.723	0.0000	4.444	18.5	11.1
1.0	E	28.288	2.832	-1.723	0.0291	4.445	18.5	11.1
2.0		28.288	2.832	-1.723	0.0582	4.445	18.5	11.1
3.0		28.281	2.844	-1.712	0.0872	4.589	18.7	11.4
4.0		28.276	2.852	-1.705	0.1163	4.583	18.9	11.4
5.0		28.252	2.907	-1.657	0.1454	4.576	18.6	11.3
6.0		28.082	4.604	-0.341	0.1737	4.497	18.5	11.6
7.0		27.830	13.600	6.438	0.1980	3.992	17.3	13.0
8.0		27.844	16.719	8.760	0.2179	3.158	14.5	9.6
9.0		27.824	21.647	12.445	0.2347	2.875	14.2	26.7
10.0		27.768	25.357	15.237	0.2484	2.331	22.6	489.1







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16. Abstract (Limit: 200 words)  Hydrographic (CTD) and acoustic Doppler current profiler (ADCP) observations were made on the North Brazil shelf adjacent to the mouth of the Amazon River during R/V <i>Iselin</i> cruise I9002 February 10-March 29, 1990 as part of A Multidisciplinary Amazon Shelf SEDiment Study (AMASSEDS). These observations were obtained during a small-scale survey on Leg 1 in support of mooring deployment operations, during a large-scale survey on Leg 3 in support of geological and geochemical sampling, during a frontal zone survey on Leg 4 consisting of 12 and 24 hourly CTD casts at anchored stations, and during a bottom tripod recovery on Leg 5. The maximum sampling depth at each station was within two meters of the bottom.  The primary objectives of the AMASSEDS hydrographic measurement program were (a) to observe and characterize the temperature, salinity, density, oxygen, fluorescence and light transmission fields and their spatial variability on the North Brazilian shelf directly influenced by the Amazon River discharge, (b) to resolve the seaward extent and vertical structure of the surface plume of low salinity Amazon River water during different stages of river discharge, (c) to describe the spatial structure of the turbidity and associated suspended sediment distributions across the shelf, (d) to characterize the properties of the Amazon shelf water beneath the surface plume and their seasonal variability, and (e) to describe the landward penetration of the North Brazil Current with respect to water properties and shelf currents. This report represents a summary in graphic and tabular form of the hydrographic observations made during the second AMASSEDS cruise (I9002) on the R/V <i>Iselin</i> .			
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