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

May – June 1990

by

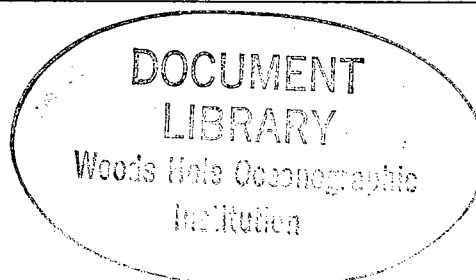
Richard Limeburner and Robert C. Beardsley

May 1991

Technical Report

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

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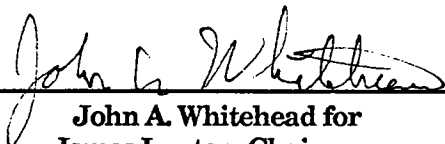
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John A. Whitehead for
James Luyten, Chairman
Department of Physical Oceanography



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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 I9004 May 23-June 13, 1990 as part of A Multidisciplinary Amazon Shelf SEDiment Study (AMASSEDS). These observations were obtained during a large-scale survey on Leg 3 in support of geological and geochemical sampling, and during a frontal zone survey on Leg 4 consisting of 12 and 24 hourly CTD casts at anchored stations. 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 third AMASSEDS cruise (I9004) 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 (Limeburner and Beardsley, 1991) 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 I9004 May 23–June 13, 1990. A total of 260 CTD stations was made on I9004, 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 I9004. In this report CTD cast names are given as consecutive numbers for each leg.

CTD STATION LISTING SUMMARY

Leg 3 — May 23–30, 1990

- Stations 1–57. 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, optical backscattering and light transmission.
- Stations 58–64. Cross-shelf transect at the mouth of the Amazon River.

Leg 4 — June 1–13, 1990

- Stations 1–55. 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 18 — Anchor Station 2
 - Station 19 — Anchor Station 3
 - Station 20 — Anchor Station 4
 - Station 21 — Anchor Station 2a
 - Station 42 — Anchor Station 5
 - Station 54 — Anchor Station 6
 - Station 55 — Anchor Station 7

The following table cross references the consecutive CTD station names for each leg of cruise I9004 used in this report and the archived consecutive CTD station names for all legs on I9004.

Leg	I9004 Station Number	Consecutive CTD Cast	Work Area
3	1-57	1-57	Large-scale survey
3	58-64	58-64	River mouth section
4	1-4	65-68	To river mouth
4	5.01-5.26	69-94	Anchor station 1
4	6-17	95-107	To open shelf
4	18.01-18.14	108-121	Anchor station 2
4	19.01-19.27	122-149	Anchor station 3
4	20.01-20.26	150-177	Anchor station 4
4	21.01-21.09	178-187	Anchor station 2a
4	22-41	188-205	Small-scale survey
4	42.01-42.18	206-223	Anchor station 5
4	43-53	224-234	Small-scale survey
4	54.01-54.13	235-248	Anchor station 6
4	55.01-55.13	249-260	Anchor station 7

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 I9004. The instrument provided continuous sampling of pressure, temperature, conductivity, fluorescence, light transmission and optical backscatter. 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. On some stations the fluorometer was replaced with an optical backscatter sensor to observe suspended sediment concentrations above the light transmissometer limit of 0.5 gm/l. 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. Water samples were 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 30 bottle and instrument conductivity calibration samples collected on Leg 3 gives

$$C(\text{Bottle}) - C(\text{CTD}) = -0.00021 * X - 0.0703,$$

where X is the station number which varied from 1 to 64, and the sum of the squares of the residuals is 0.0027 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 $\pm 0.010 \text{ mmho}$. No conductivity calibration samples were collected on Leg 4, and the following calibration from Leg 3 was applied to the Leg 4 conductivity data,

$$C(\text{Corrected}) = C(\text{CTD}) - 0.083.$$

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 124 mg/l (corresponding to a light transmission of 6.0% and higher), a least-squares exponential fit of the suspended sediment concentration data to the light transmission output (in percent transmission) gives

$$\text{Sediment Concentration (mg/l)} = 159.5 e^{-0.0428 * \text{Light (\%)}}.$$

The rms of the residuals (i.e., the difference between the fitted curve and measured sediment concentration based on the 65 calibration samples) was $\pm 12.1 \text{ mg/l}$.

Concentrations greater than 124 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 6.0%, a least-squares exponential fit of the

suspended sediment concentration data to the light transmission output gives

$$\text{Sediment Concentration (mg/l)} = 545.5 e^{-0.2492 * \text{Light (\%)}}$$

The rms of the residuals for the 3 calibration samples in this concentration range is ± 16.0 mg/l. Light transmission values of 0% were recorded and given a maximum sediment concentration of 545.5 mg/l.

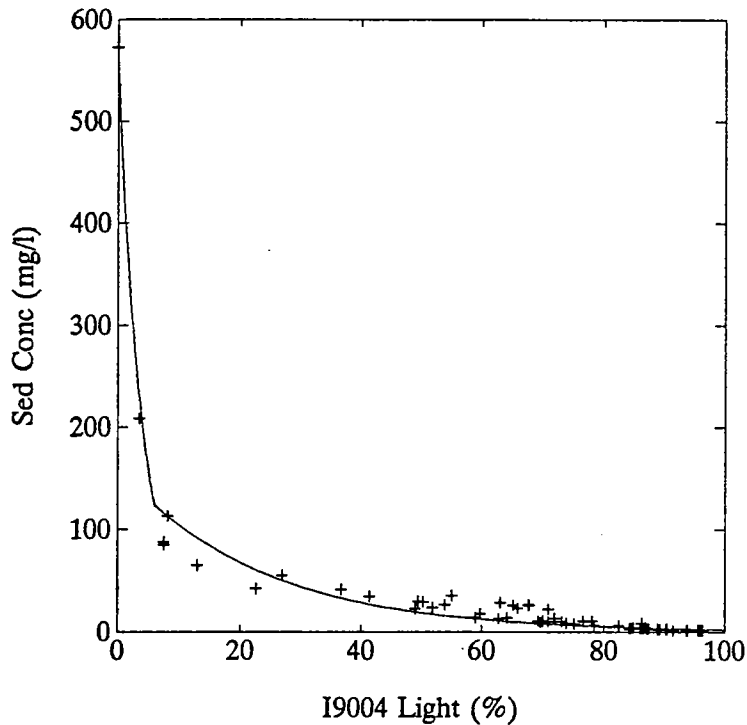


Figure 1. Observed relationship between light transmission (in percent transmission) and suspended sediment concentration (in mg/l). Samples are shown as crosses; the resulting (solid) calibration curve is used to predict suspended sediment concentration from light transmission measurements.

At stations 14–17 on Leg 3 and stations 1–4, 6–17, 22–41, and 42.18–54.11 on Leg 4, an Optical Backscatter Sensor (OBS) replaced the fluorescence sensor. The OBS is capable of estimating suspended sediment concentrations greater than 0.5 g/l. The OBS sensor was calibrated against 126 suspended sediment samples from bottles (see Figure 2),

and a least squares fit gives

$$\text{OBS (volts)} = C_1 X^2 + C_2 X + C_3,$$

where X is sediment concentration in grams, C_1 is -0.0326 , $C_2 = 0.699$, and $C_3 = 0.0091$. The rms of the residuals is ± 0.226 g/l. To convert OBS output in volts to sediment concentration in g/l, we used

$$\text{Sediment Concentration (g/l)} = \frac{-C_2 + \sqrt{C_2^2 - 4C_1(C_3 - \text{OBS})}}{2C_1}.$$

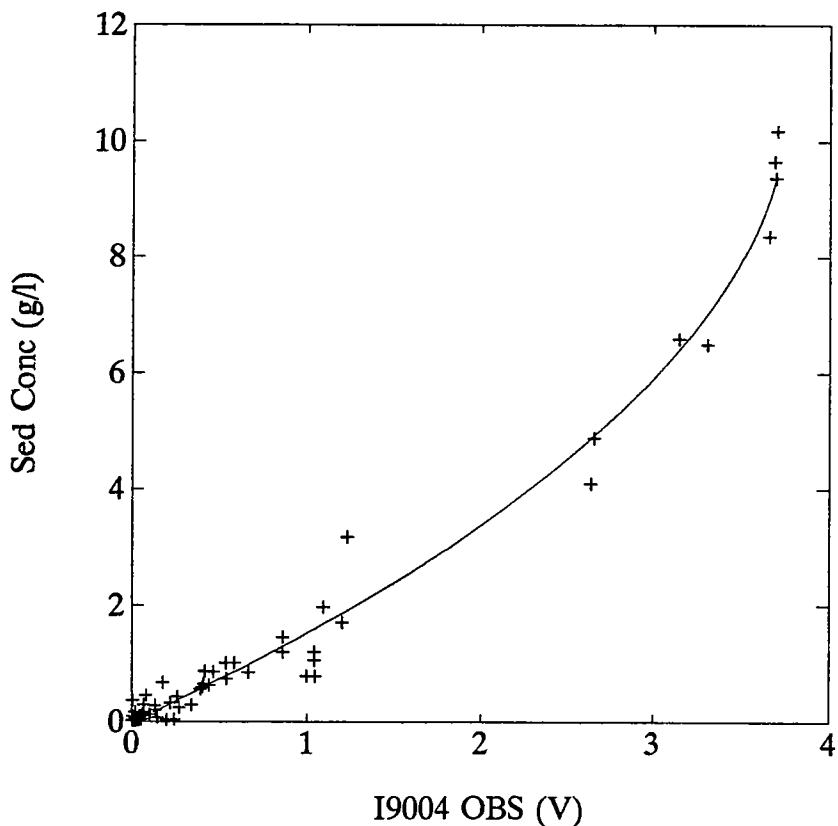


Figure 2. Observed relationship between OBS (in volts) and suspended sediment concentration (in g/l). Samples are shown as crosses and the resulting (solid) calibration curve is used to predict suspended sediment concentration from OBS measurements.

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 hydrographic data collected on cruise I9004 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

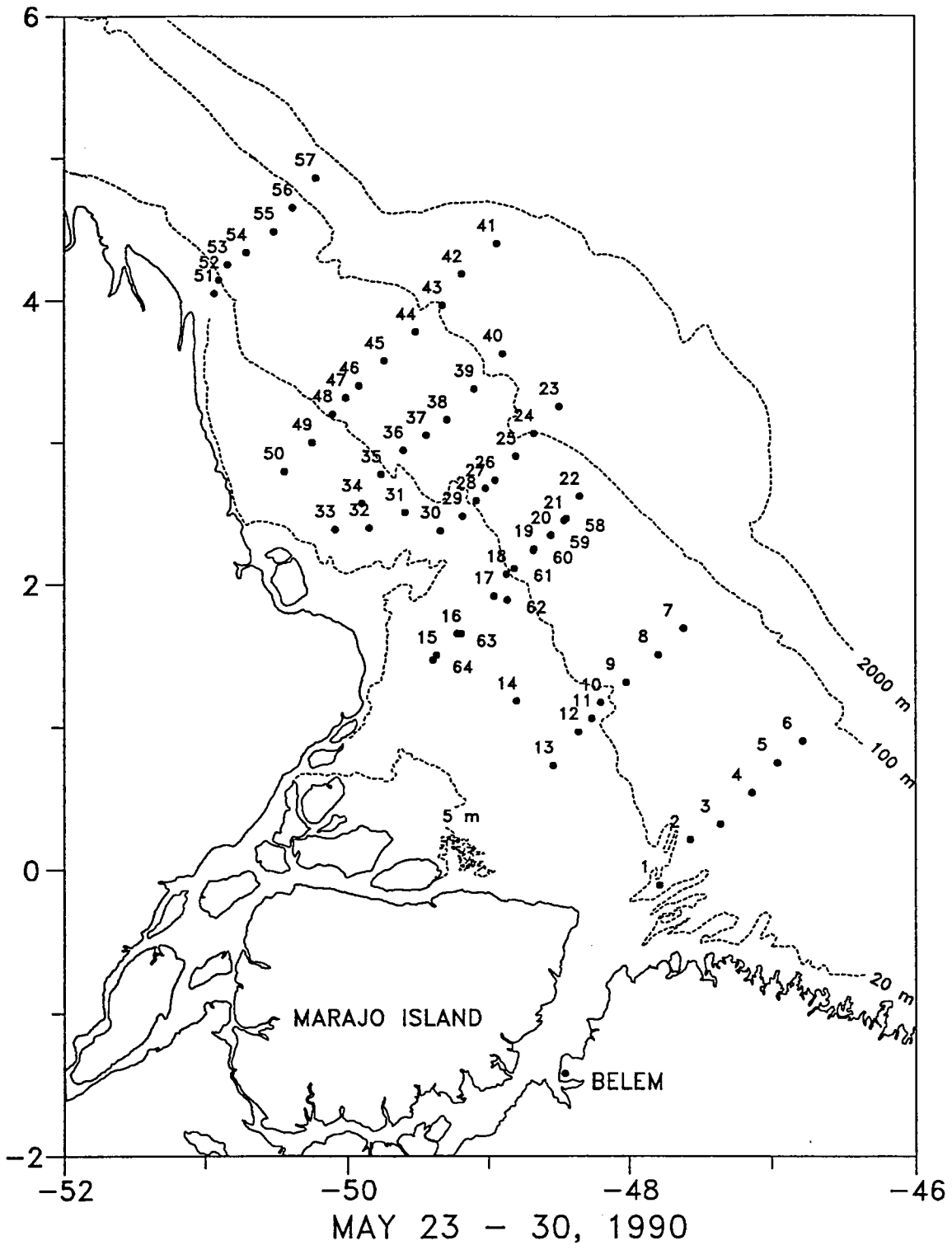
R/V *Iselin* Cruise I9004 was supported by NSF Grant OCE88-12917. D. Demaster and W. Geyer were the Chief Scientists on Leg 3 and Leg 4, respectively. The work was a cooperative effort by H. Astwood, T. Bolmer, J. Candela, N. Carneiro, M. El-Robrini, A. Fernandes, H. Ferreira, S. Hardin, V. Hatje, H. Kelly, G. Kineke, E. Lindahl, T. Milligan, H. Morgan, R. Pope, N. Ramalho, C. Reis, J. Rich, L. Ruffeil, H. Seltmann, W. Showers, D. Smoak, I. Soares, and H. Vital. Their assistance is greatly appreciated. G. Kineke provided the suspended sediment data and fitted curve for the OBS sensor calibration. Finally, the helpfulness of the marine technicians C. Maxwell, and R. Hadden and the officers and crew of the R/V *Iselin* contributed significantly to the success of the cruise.

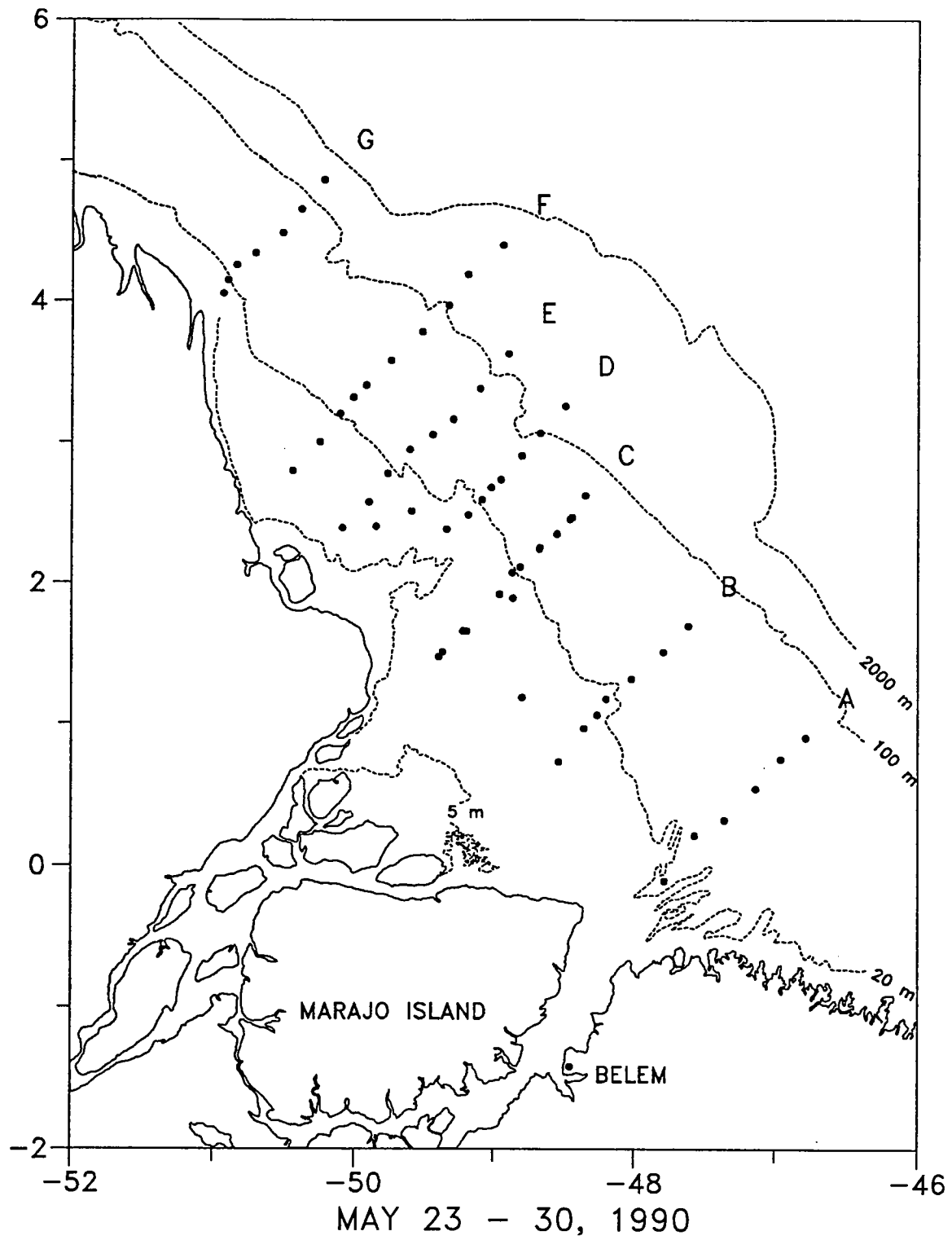
6. References

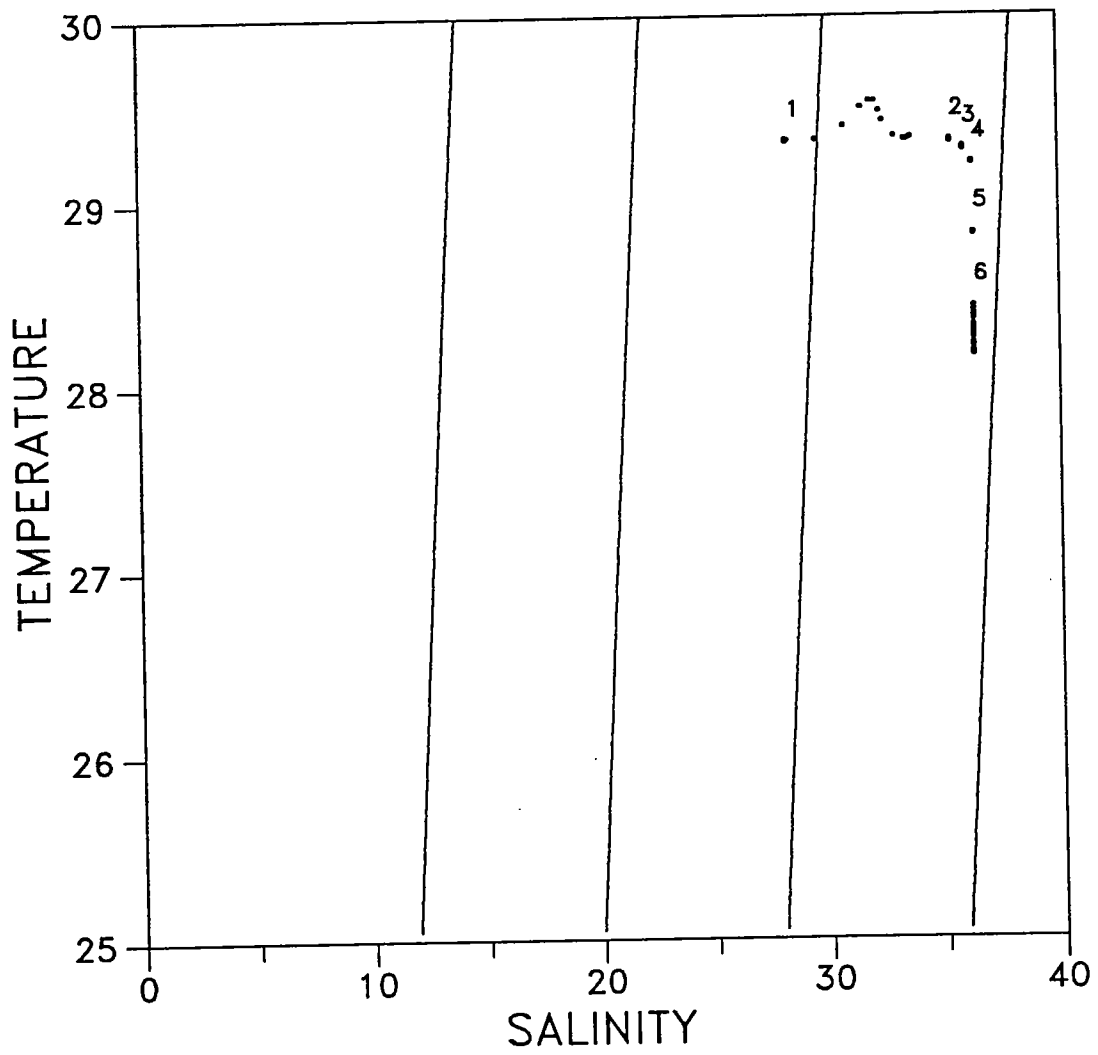
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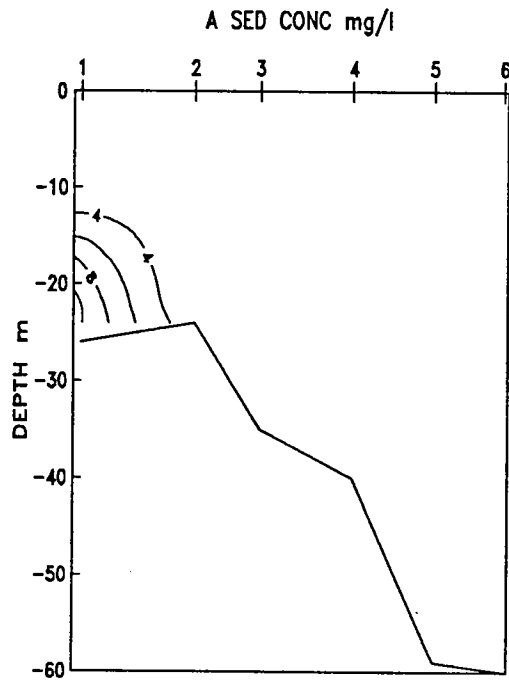
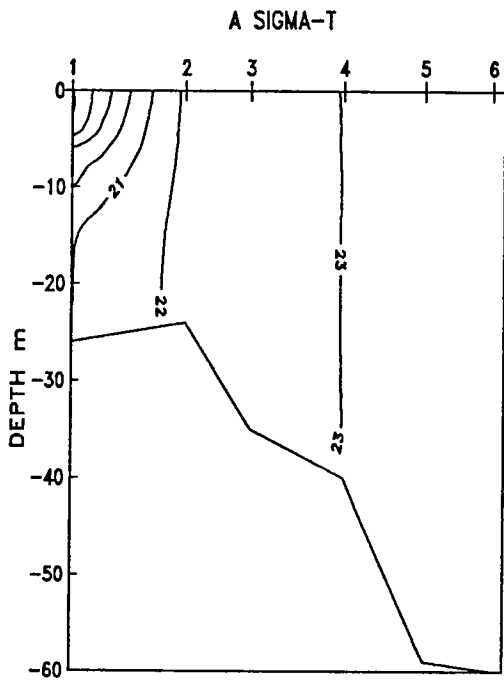
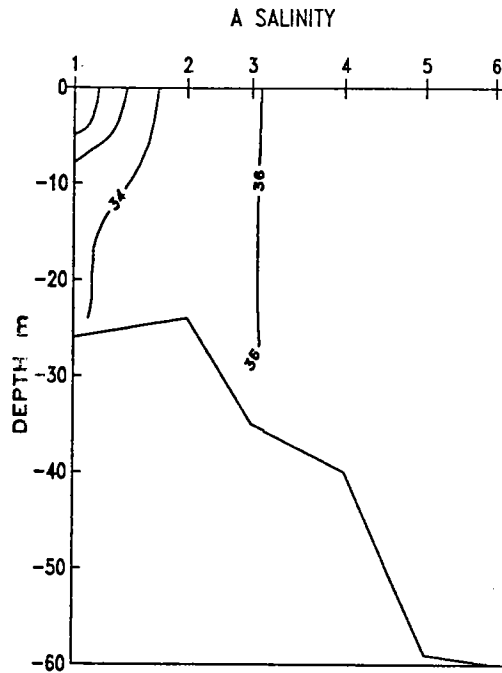
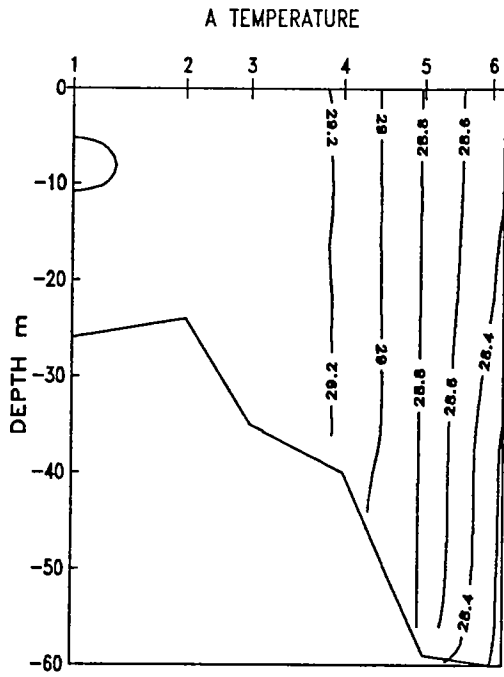
7. Graphic Description of CTD Data

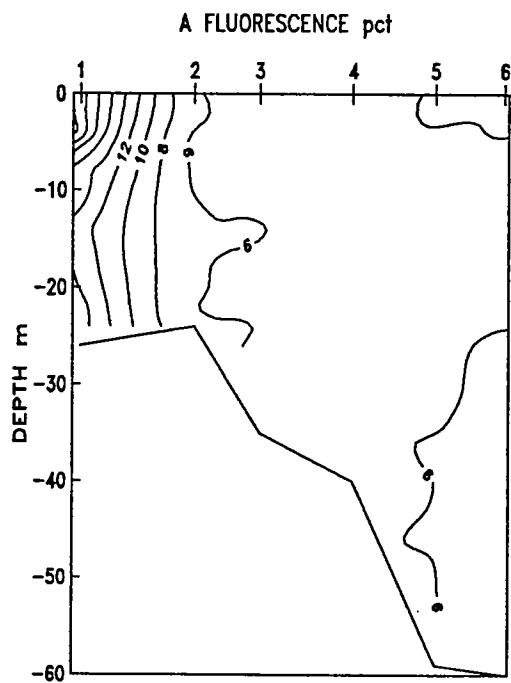
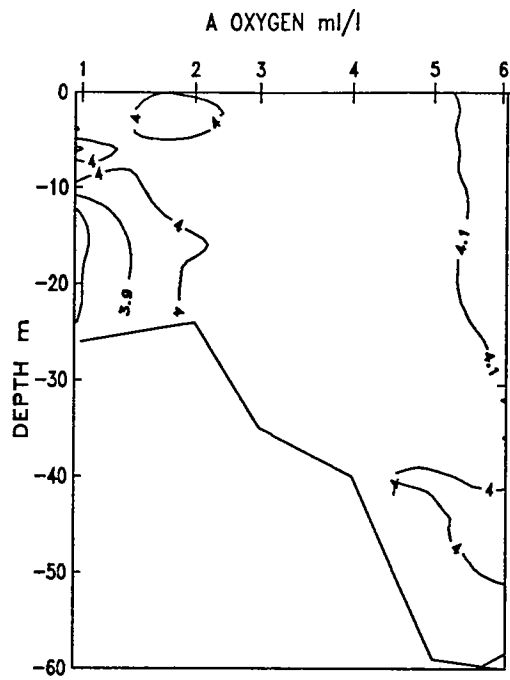
A. Leg 3 – Large-Scale Survey — May 23–30, 1990 Stations 1 to 57

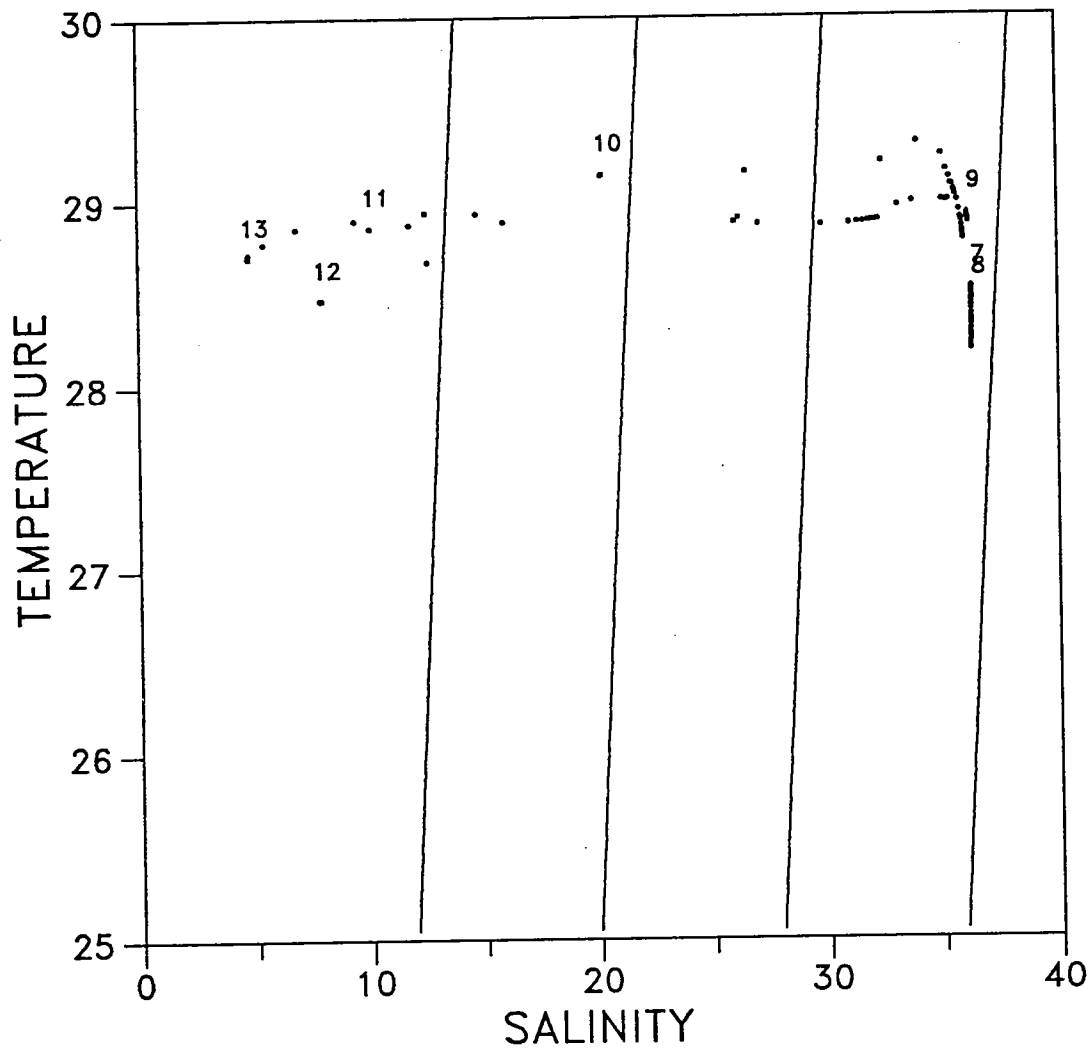


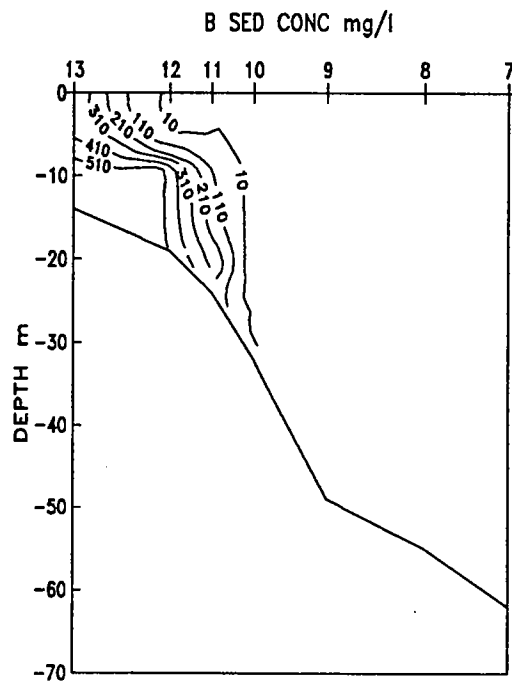
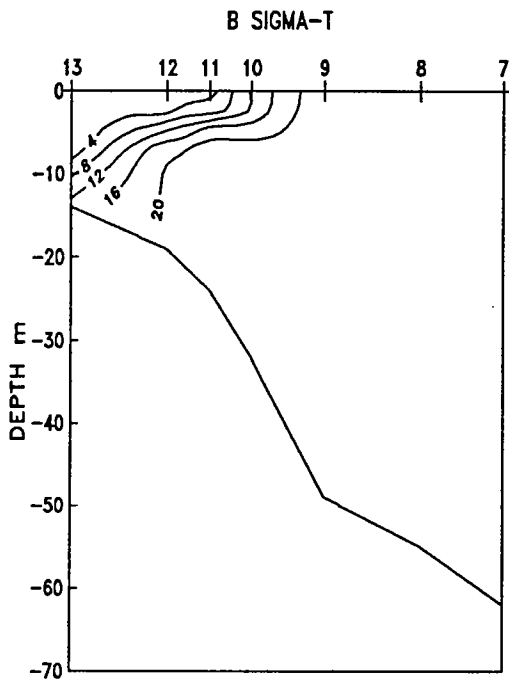
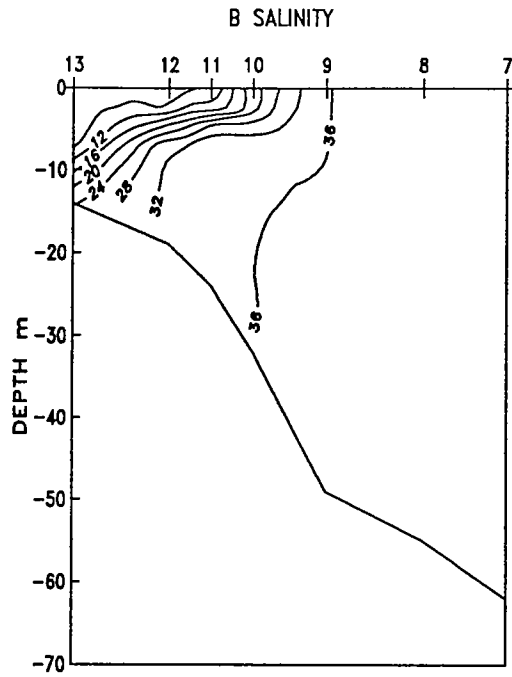
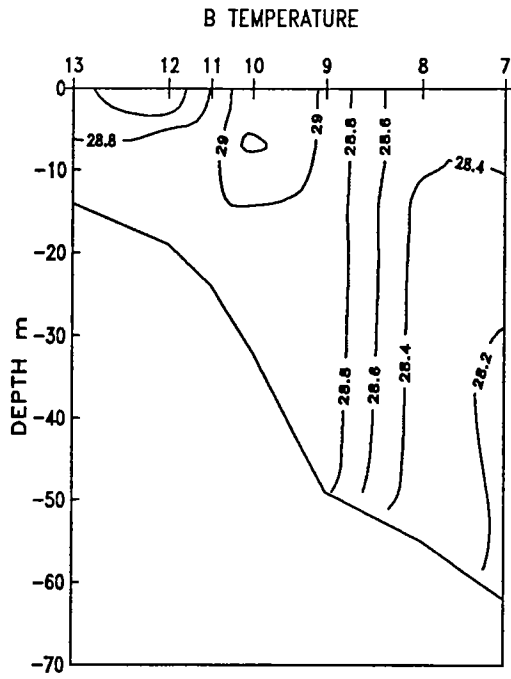


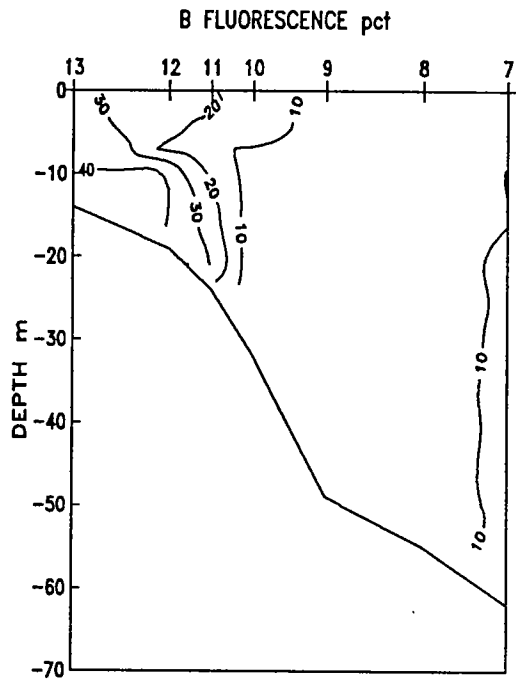
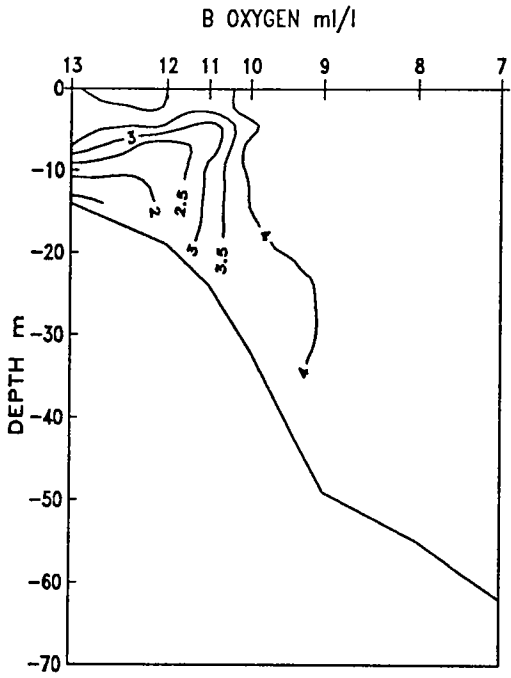


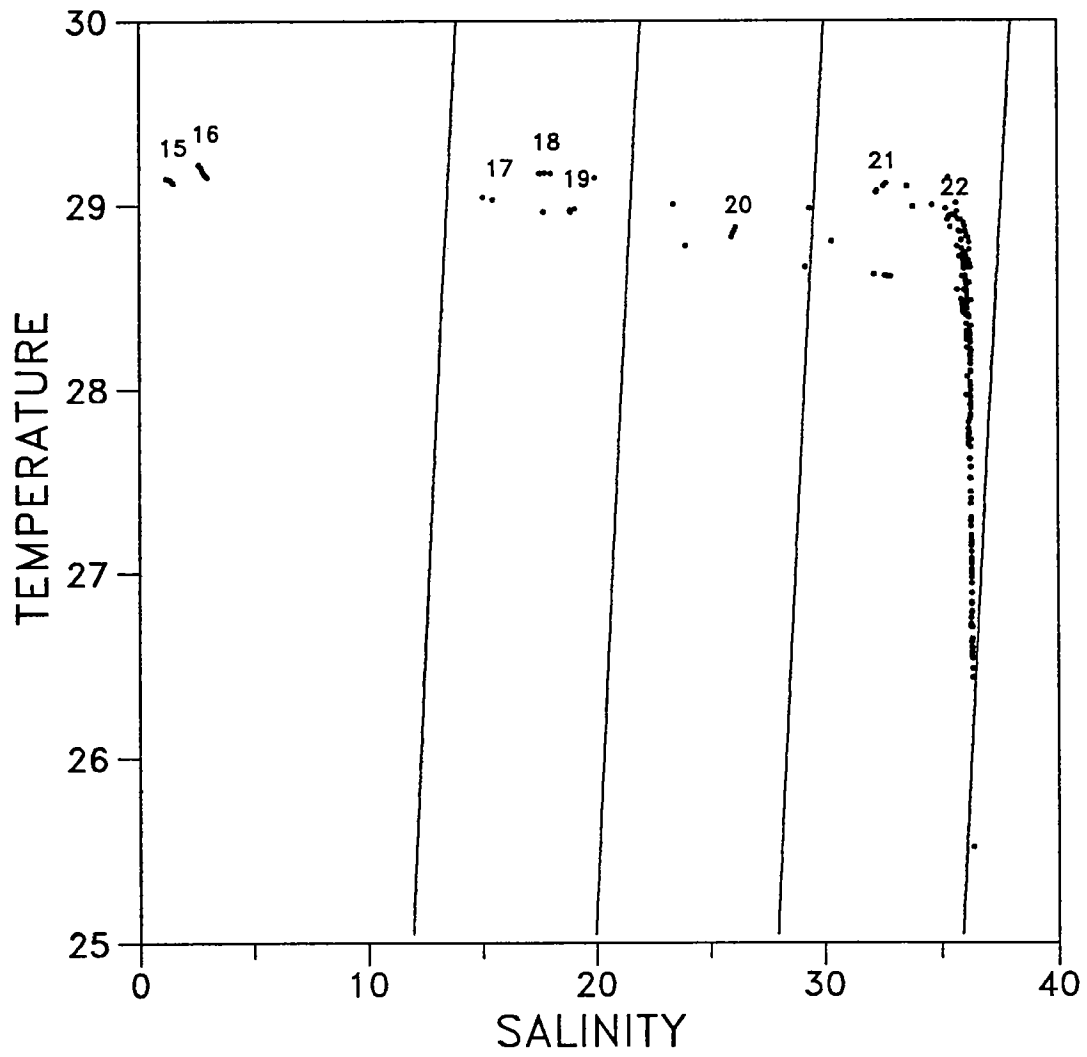


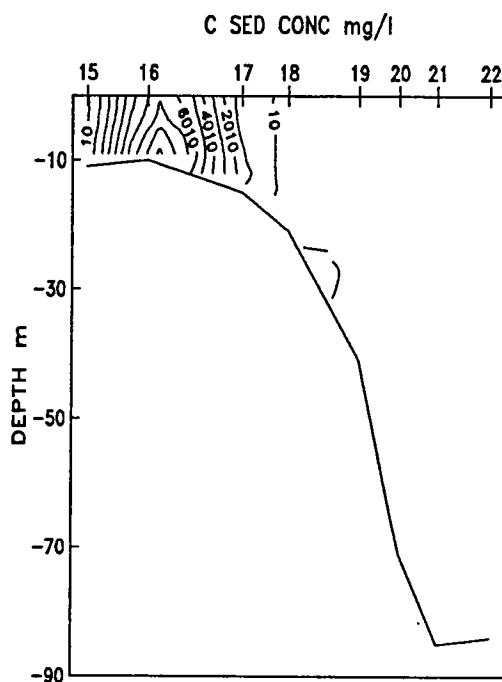
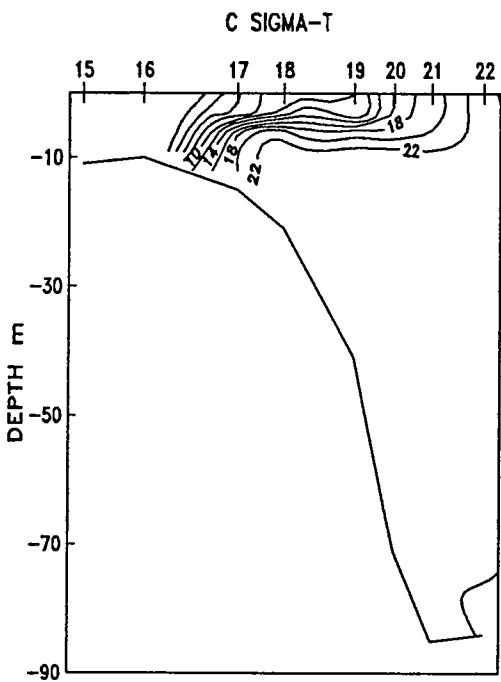
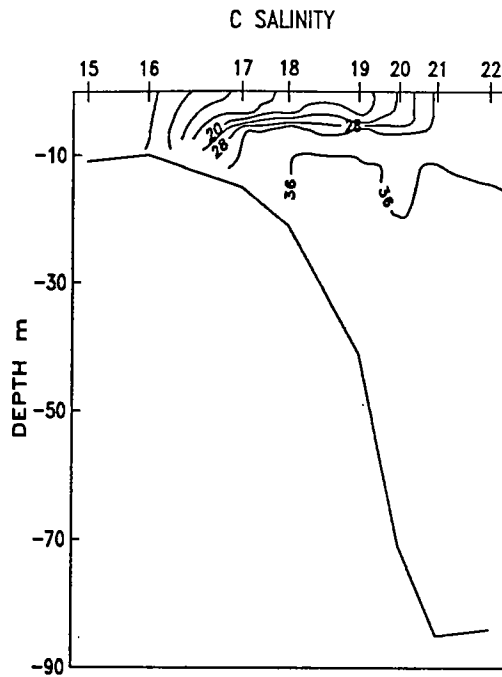
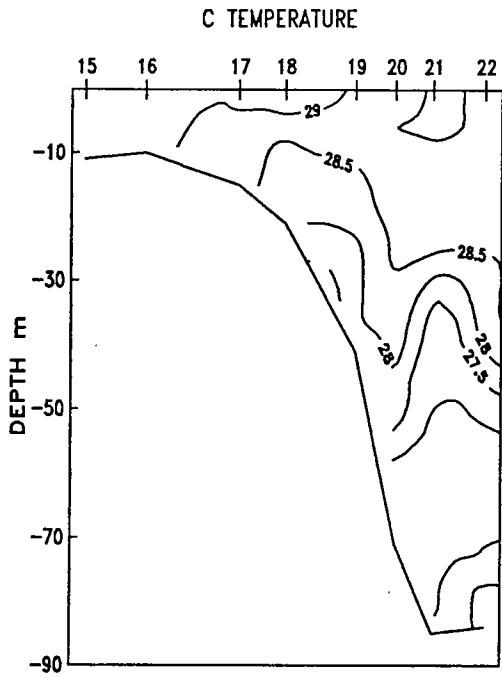


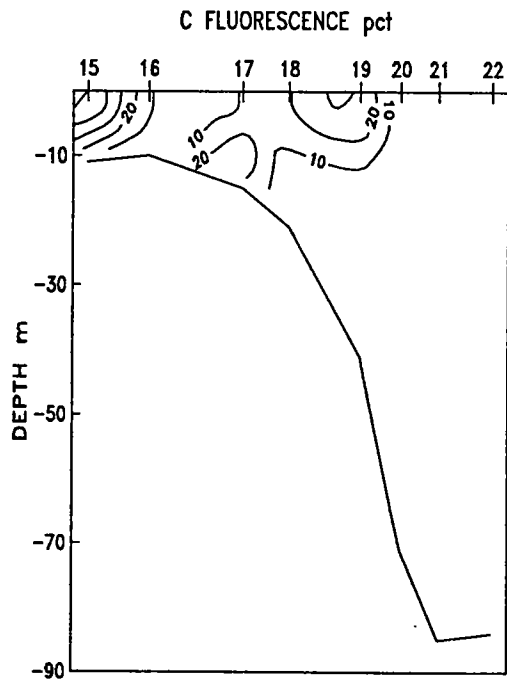
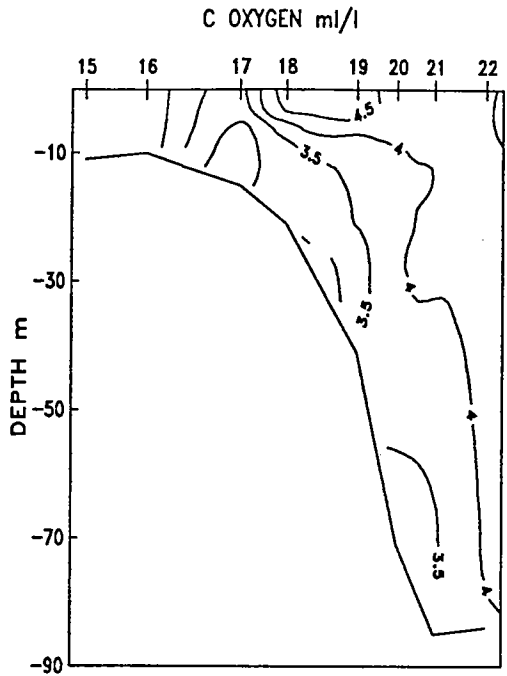


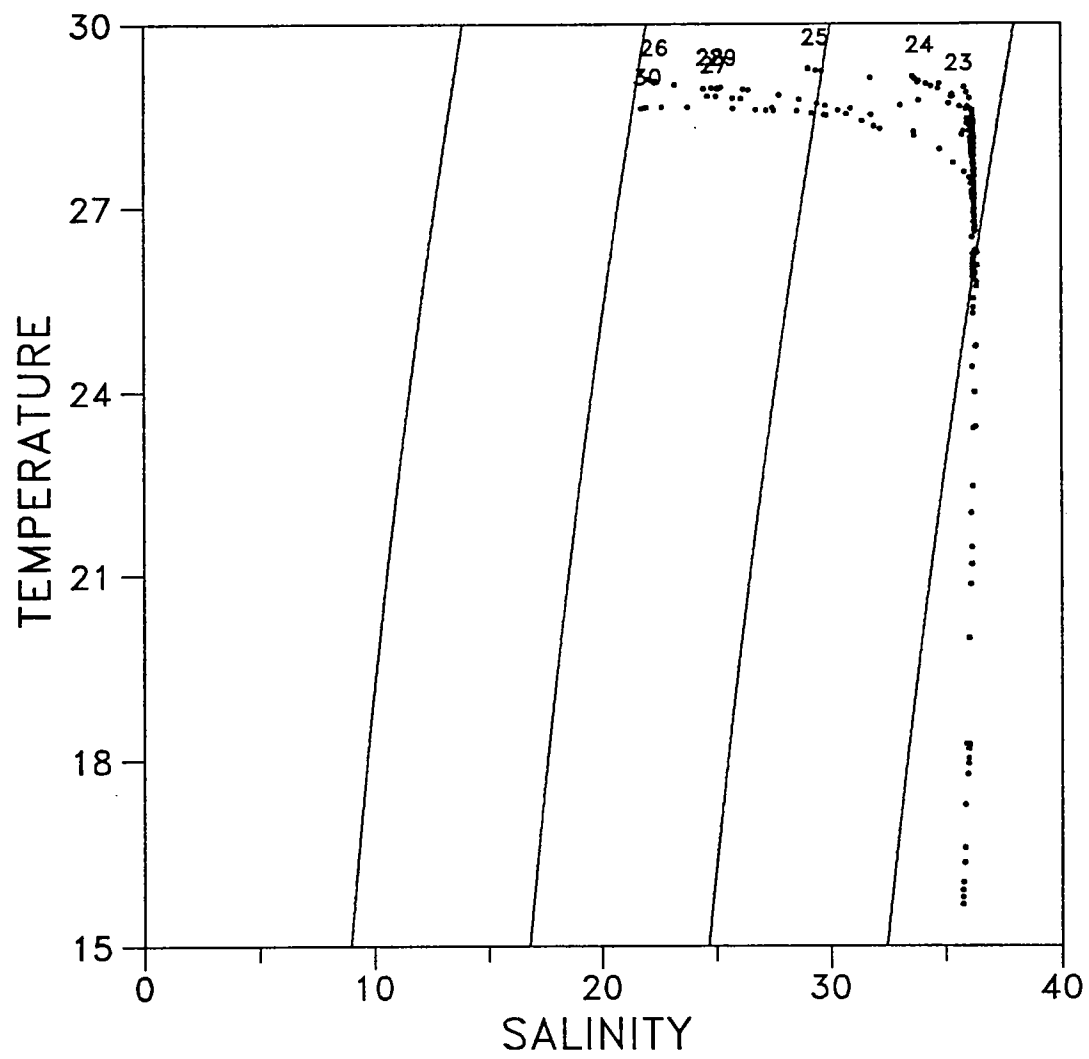


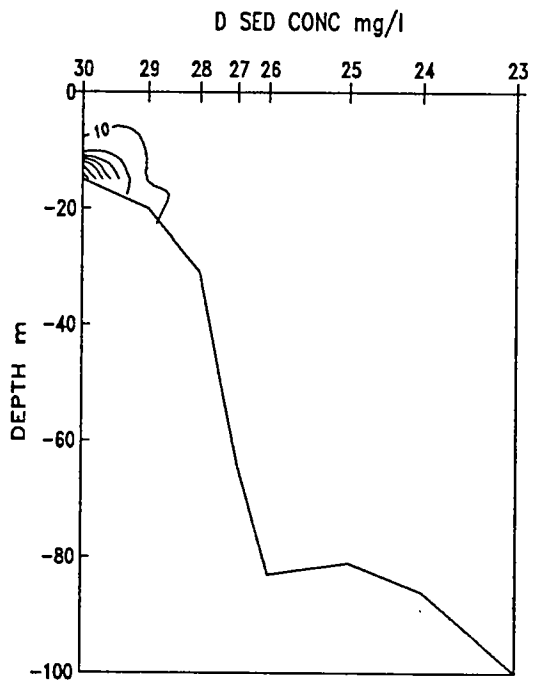
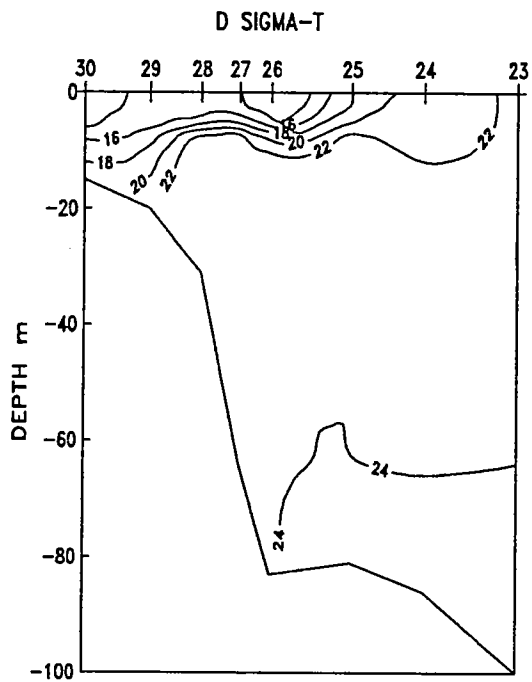
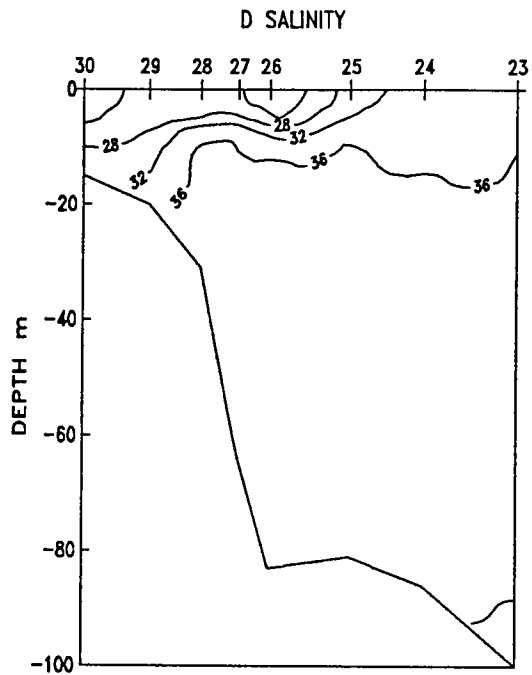
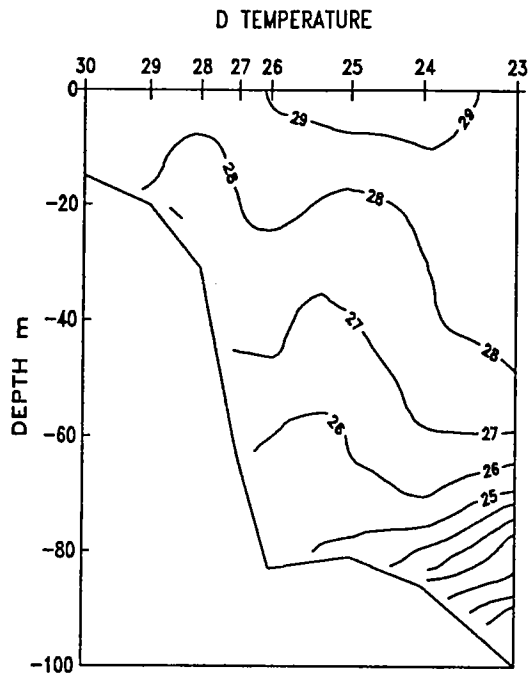


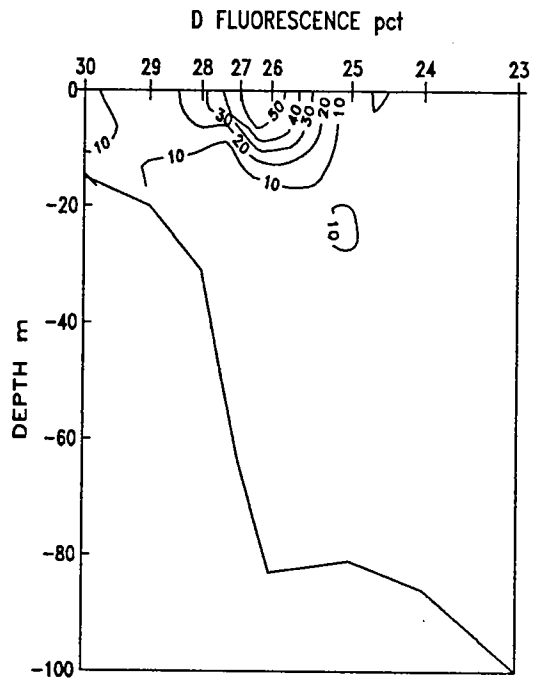
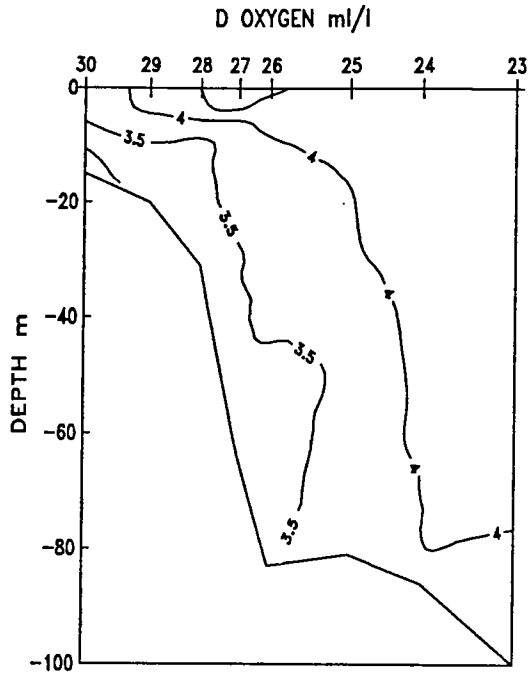


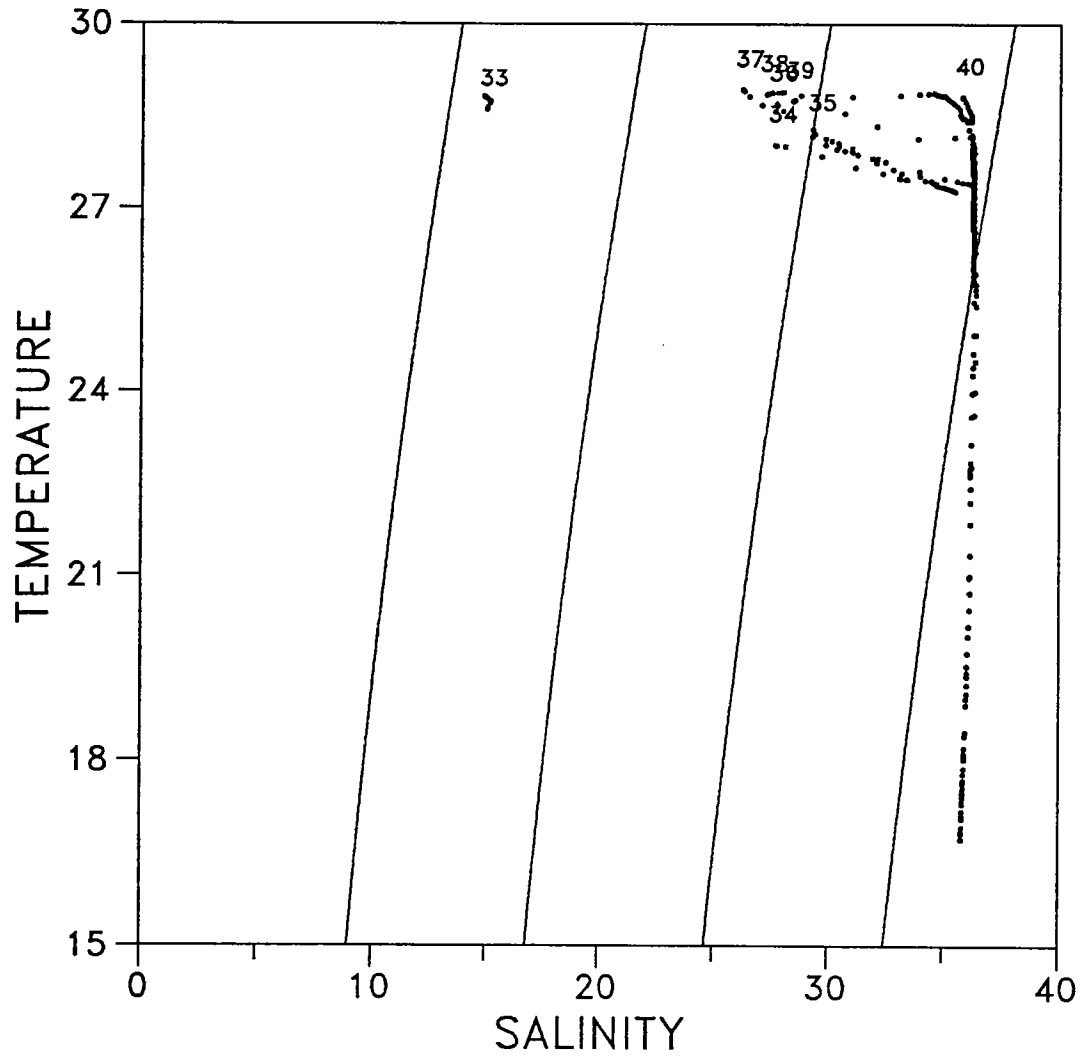


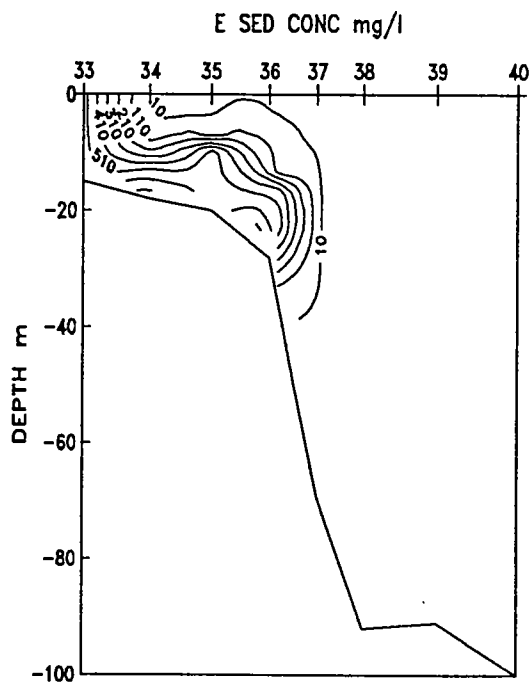
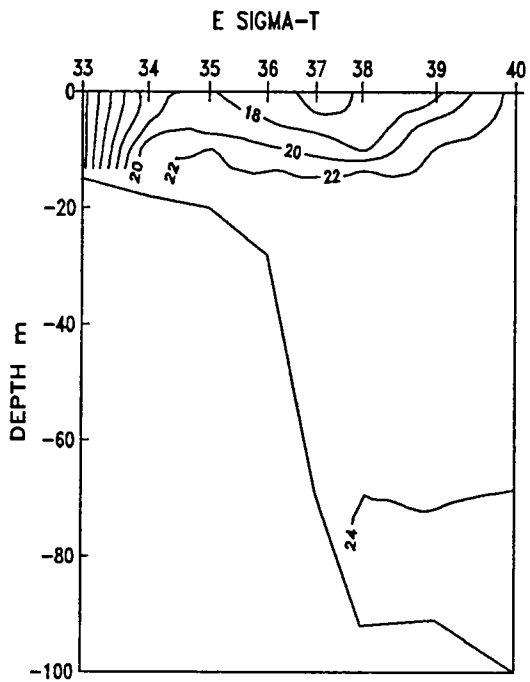
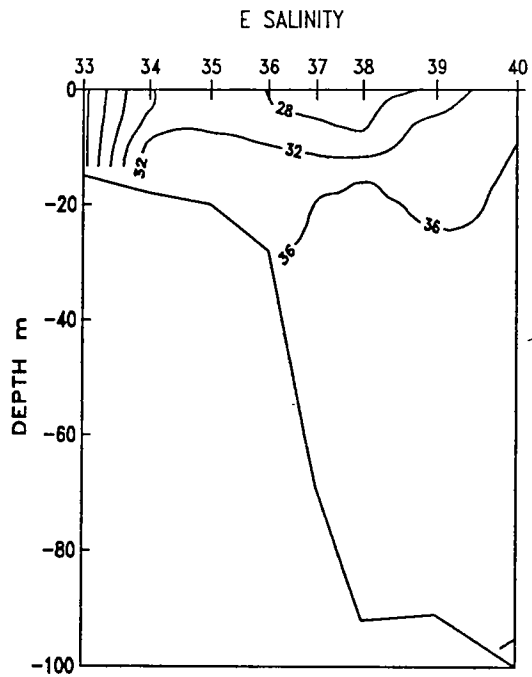
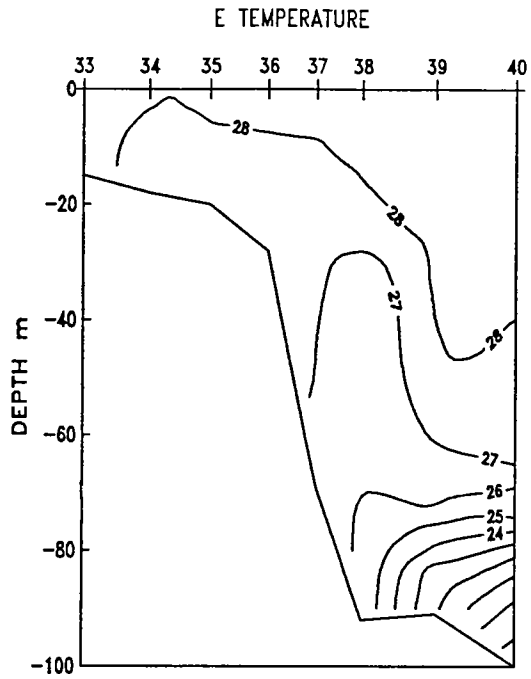


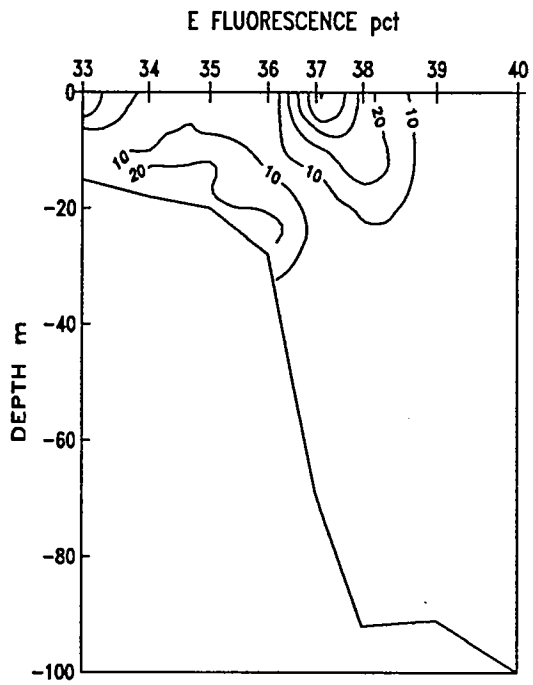
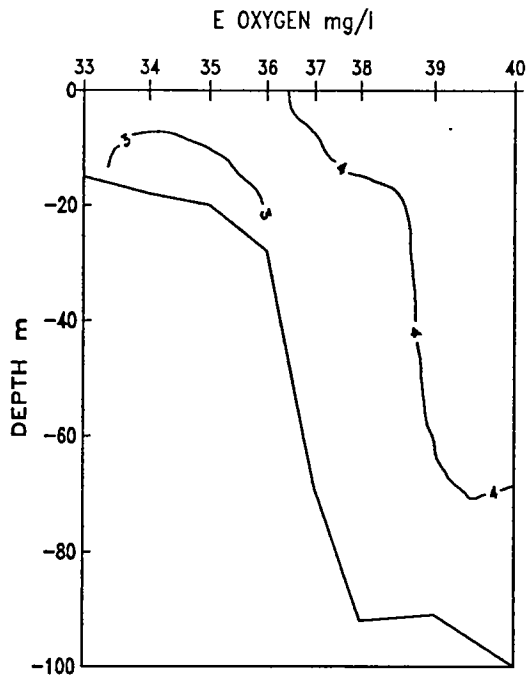


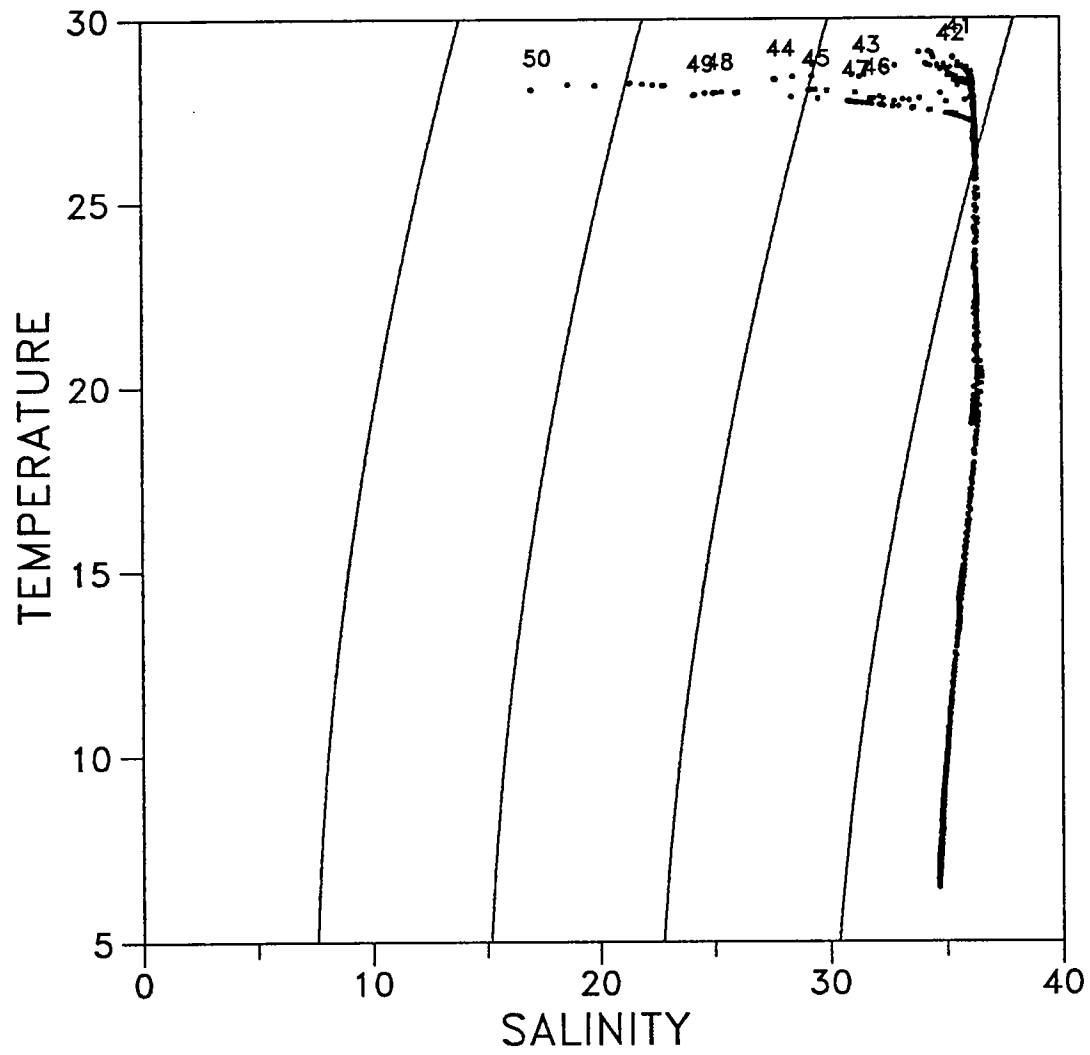


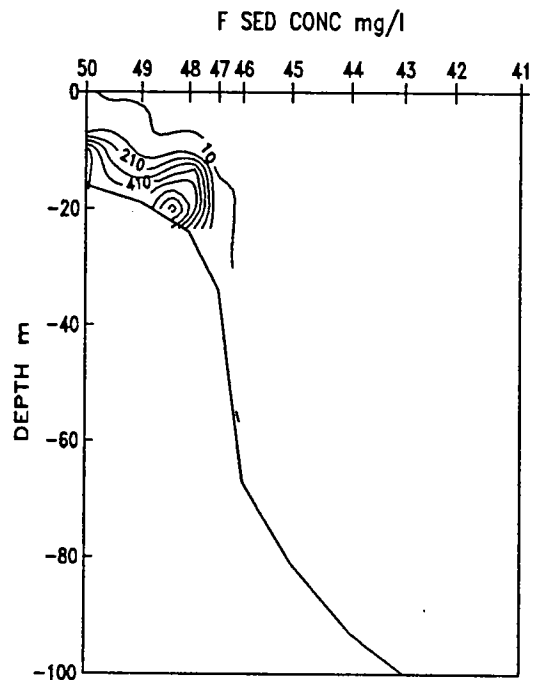
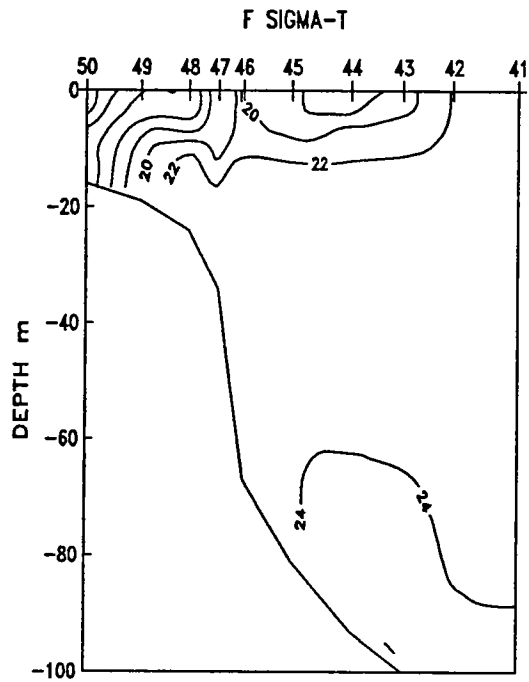
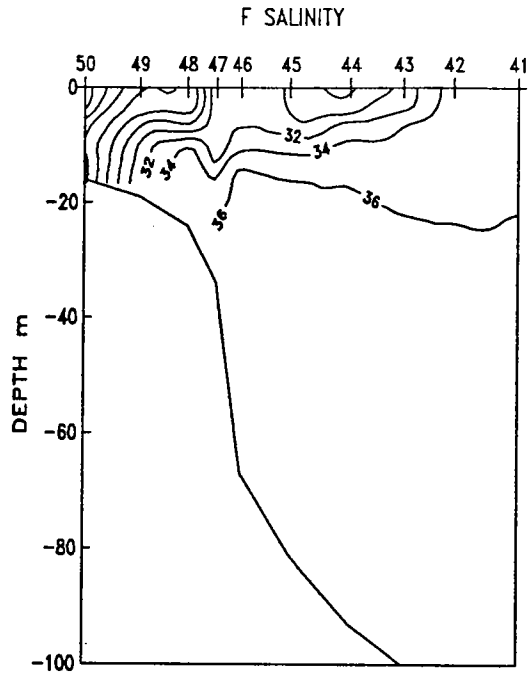
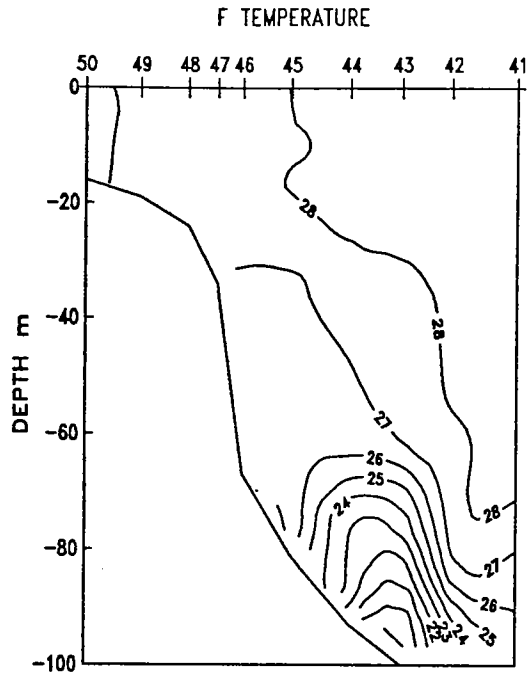


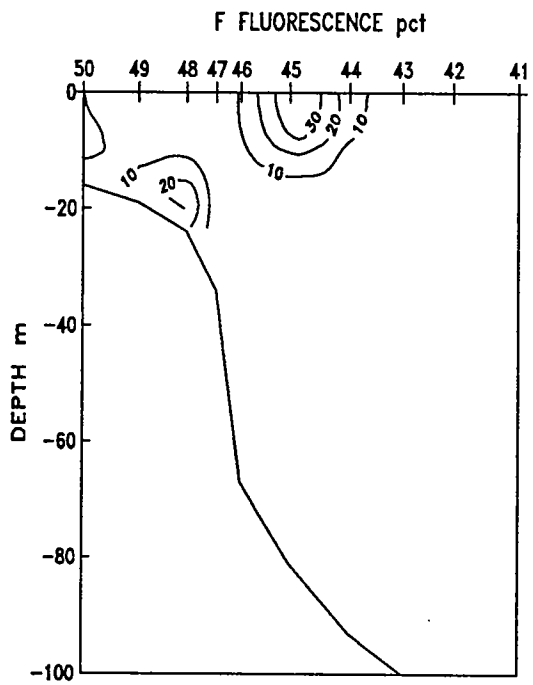
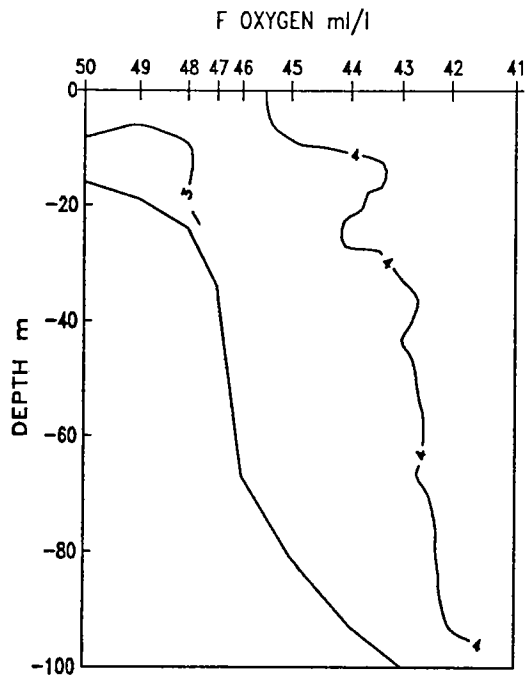


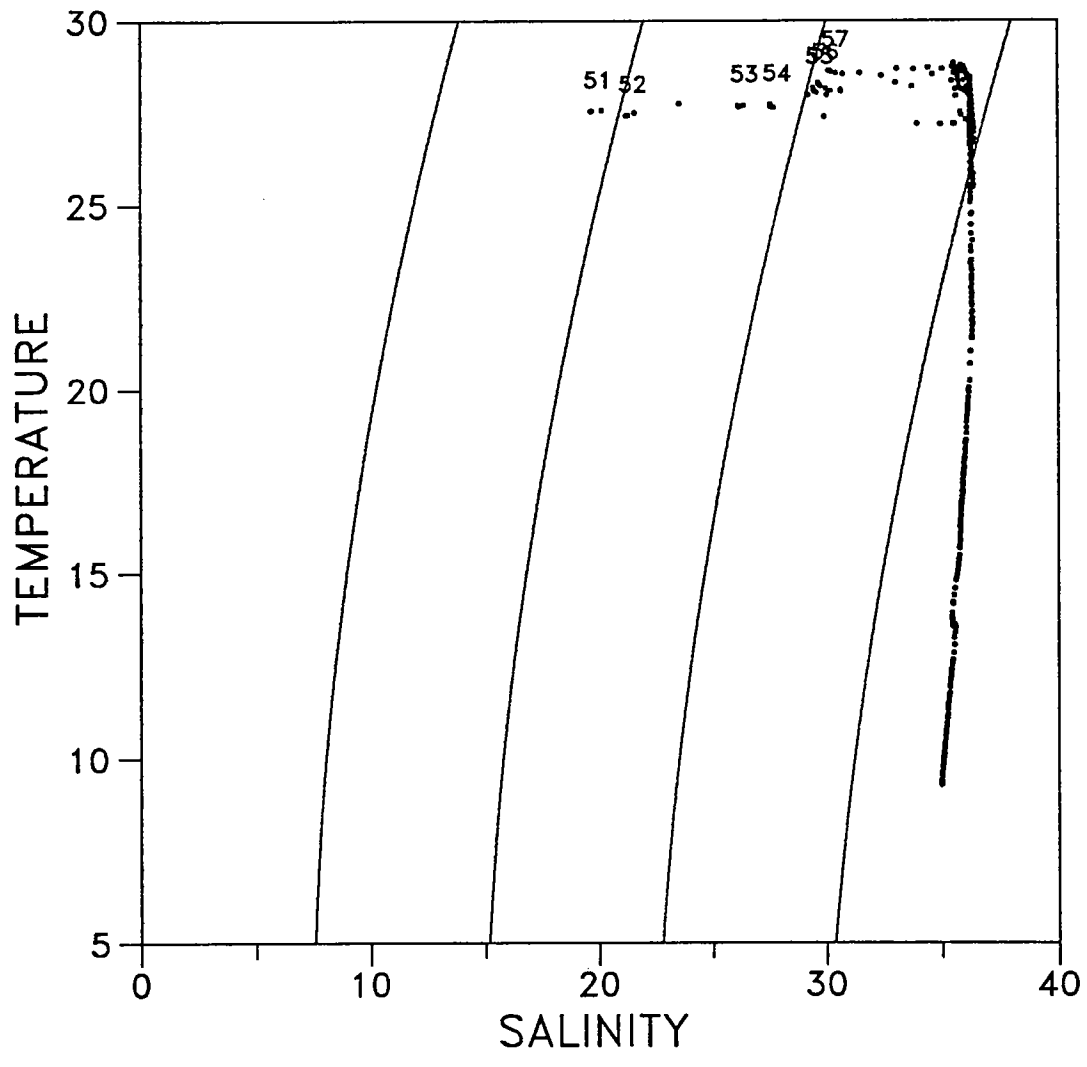


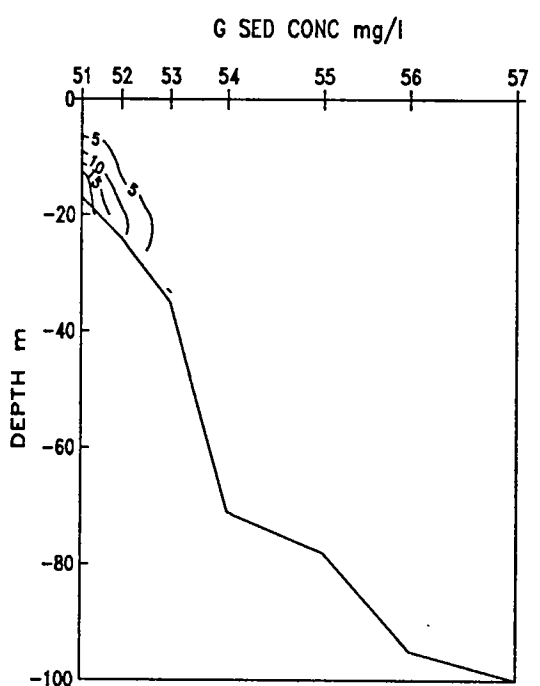
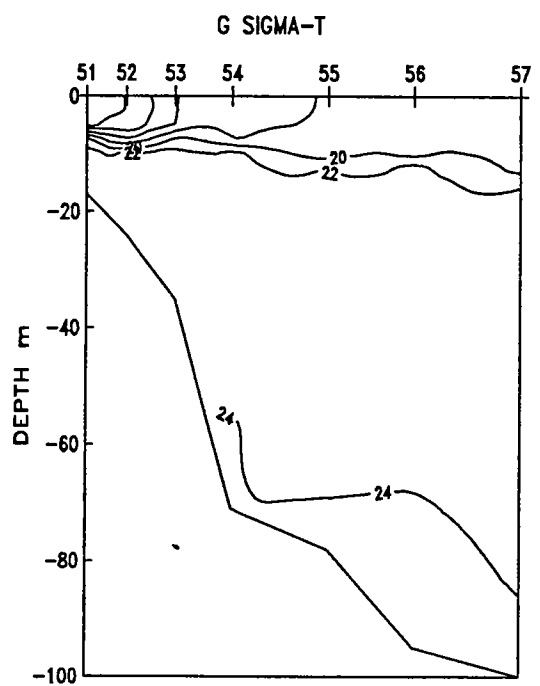
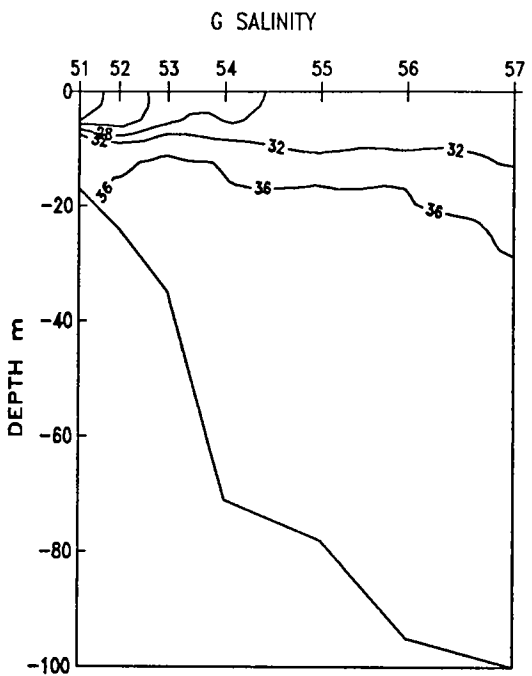
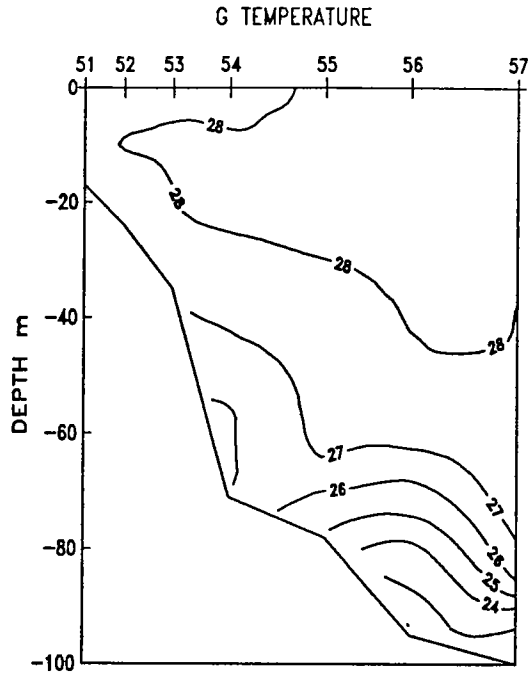


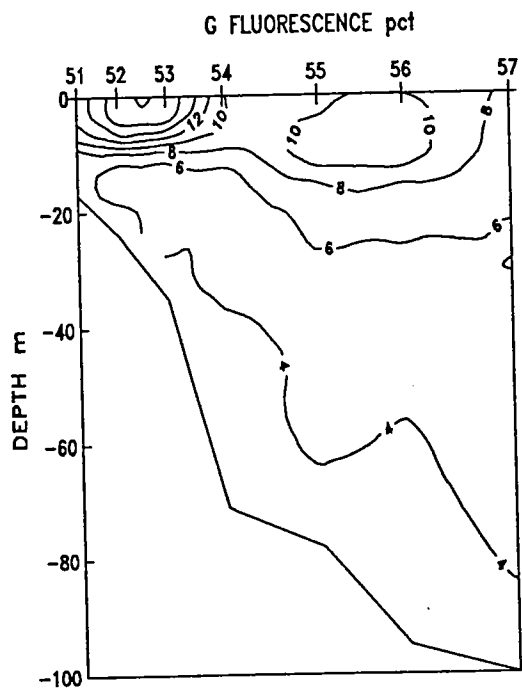
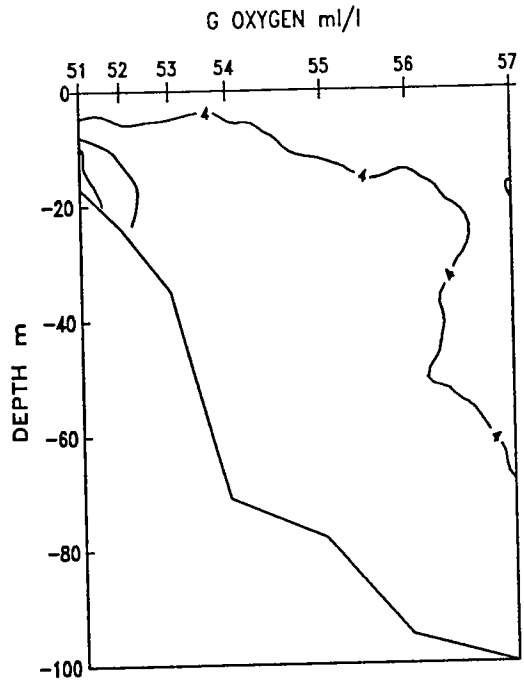


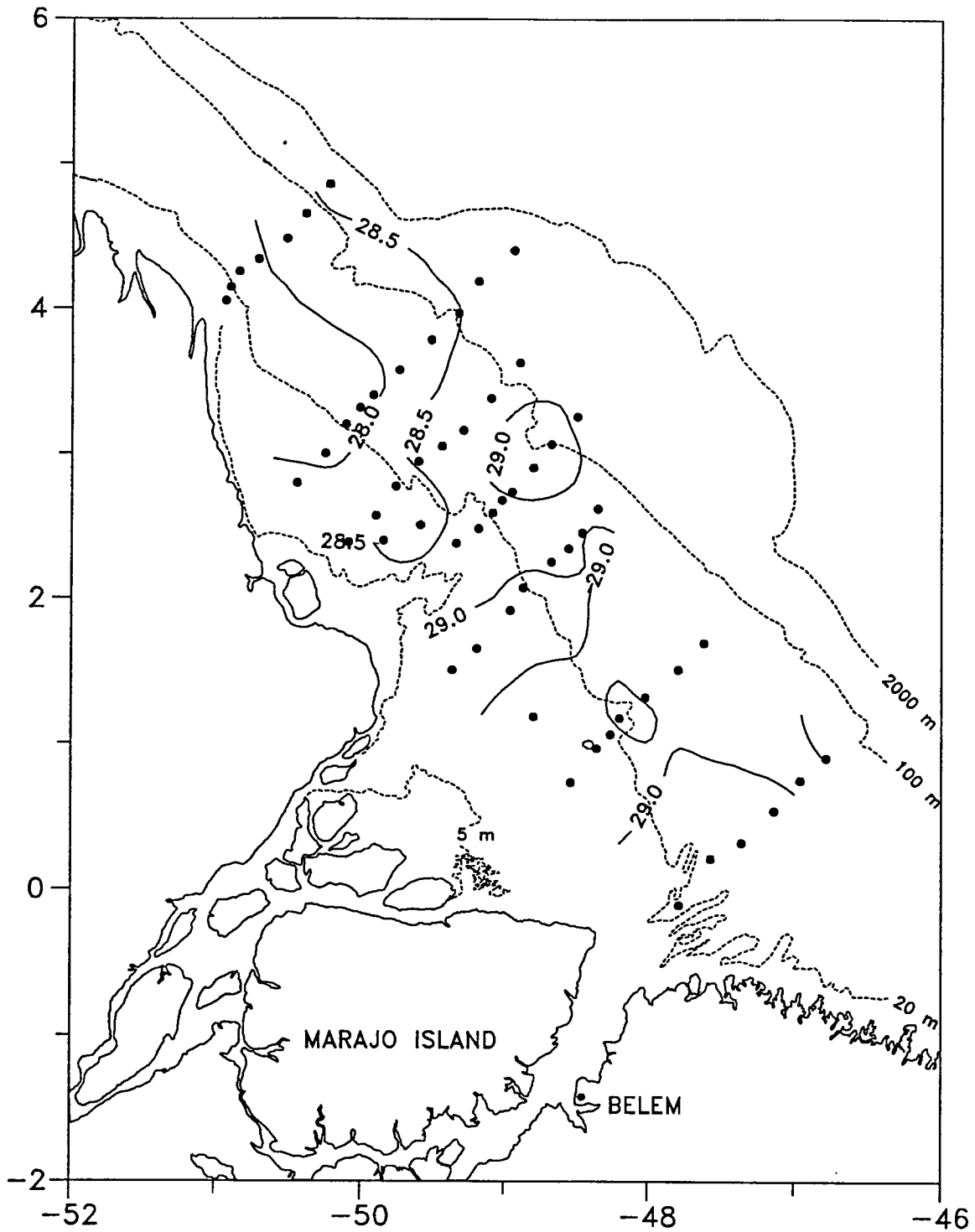




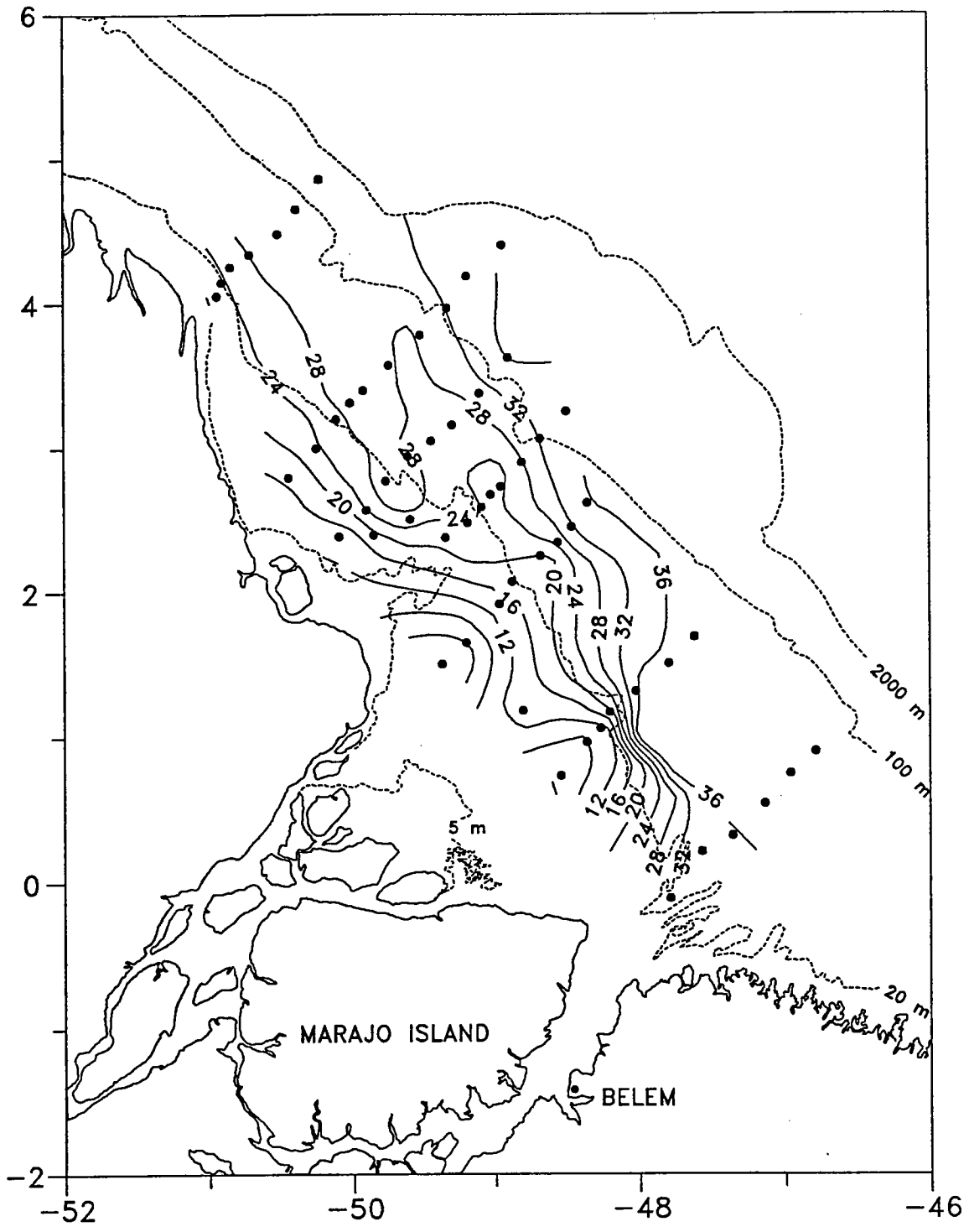




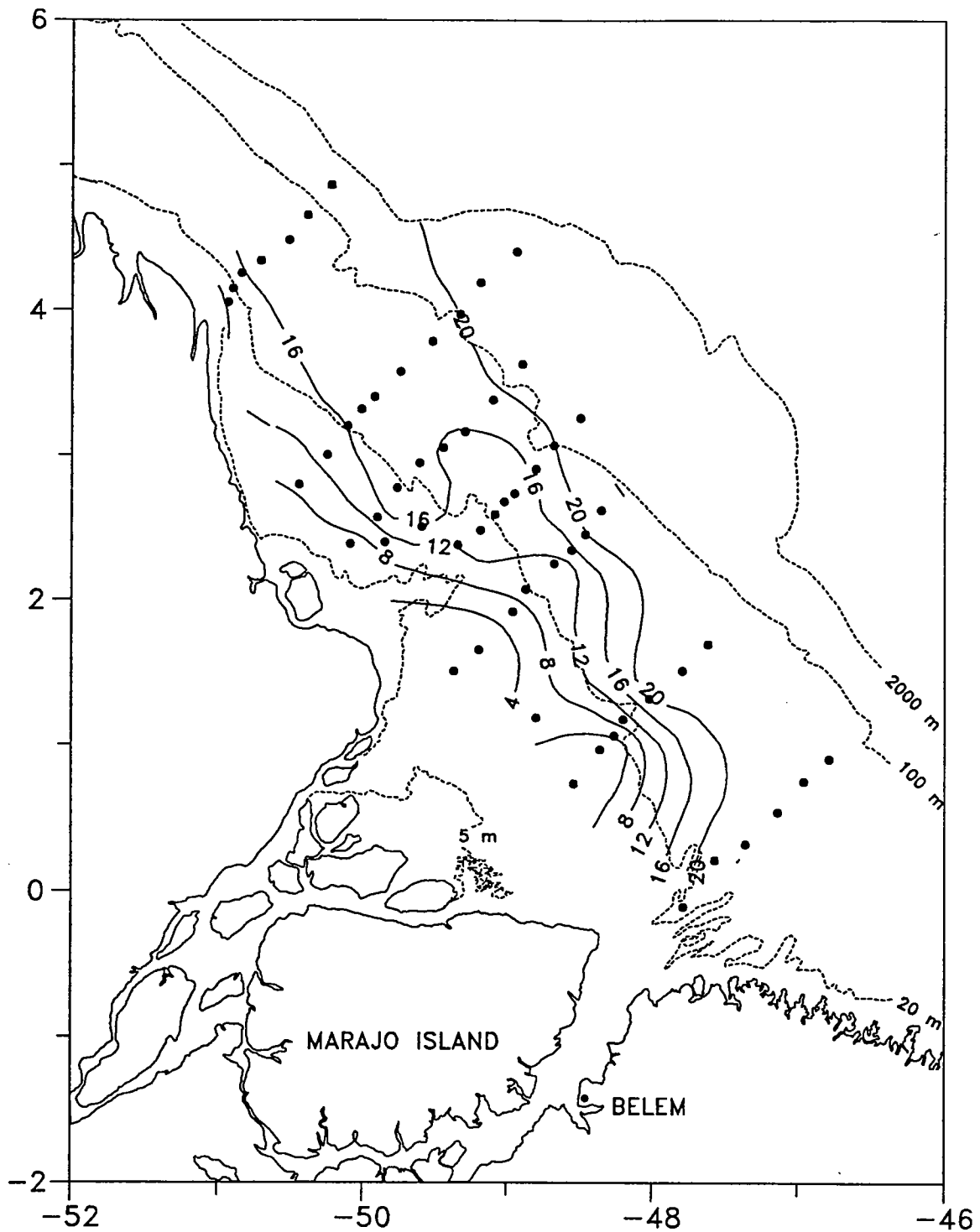




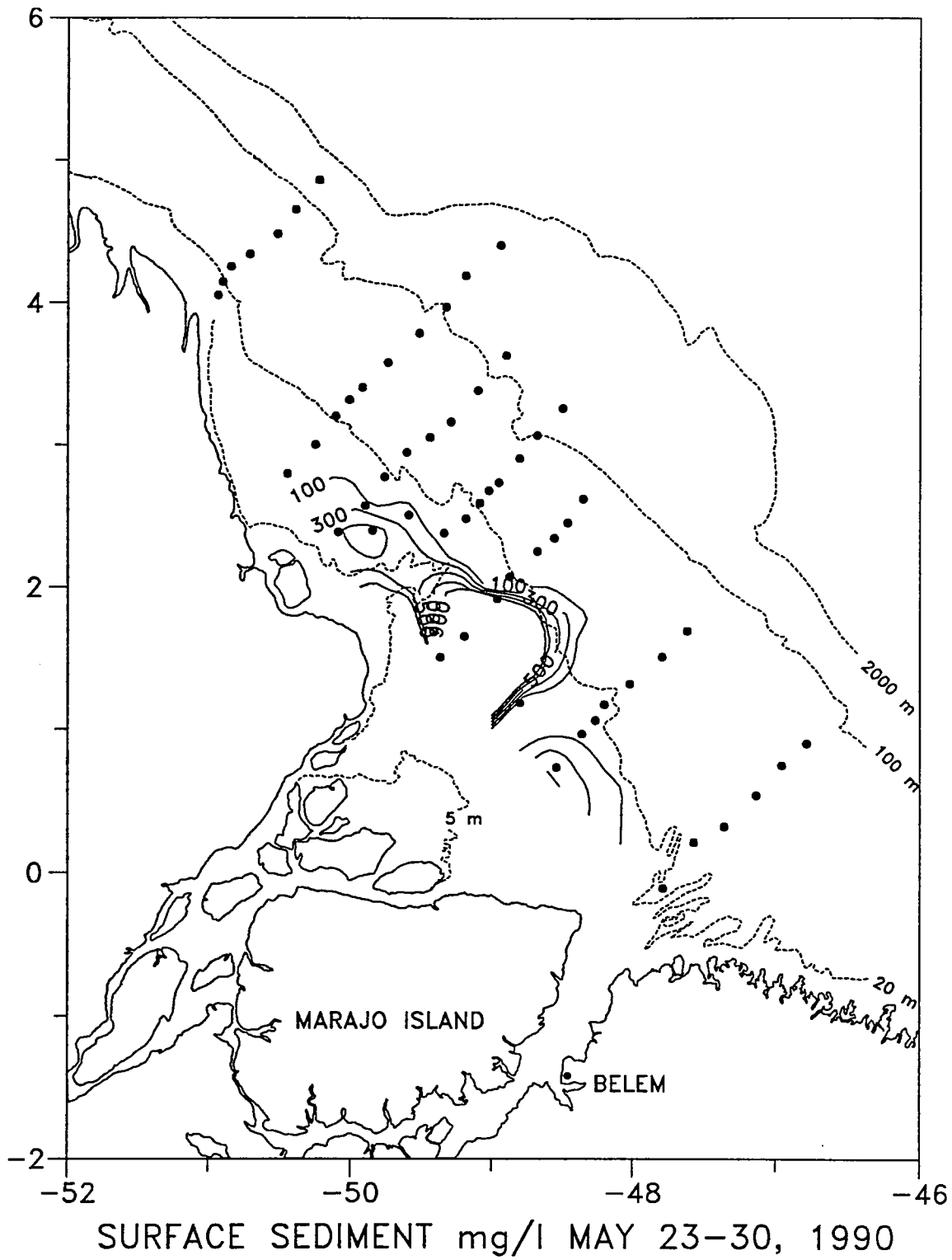
SURFACE TEMPERATURE MAY 23-30, 1990

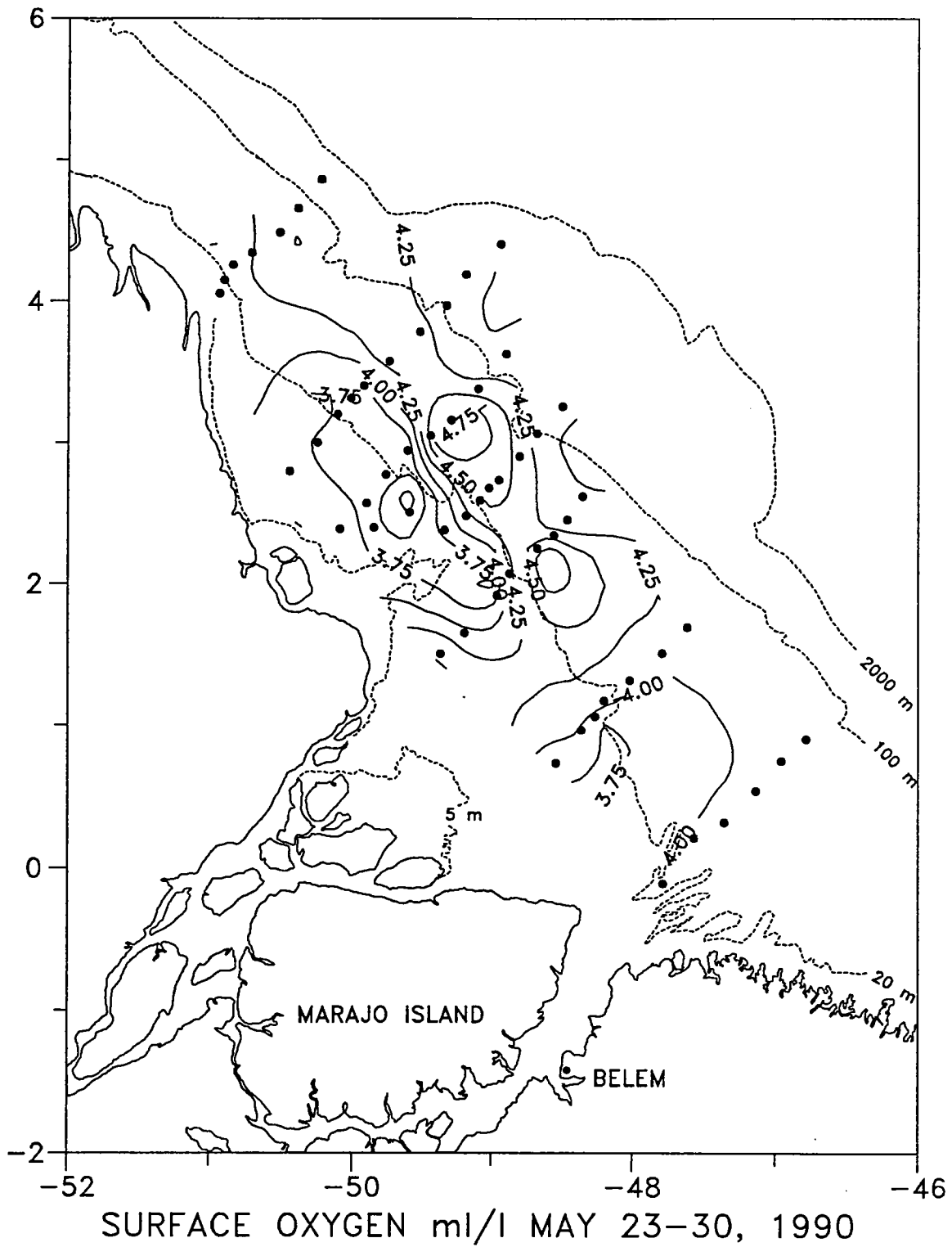


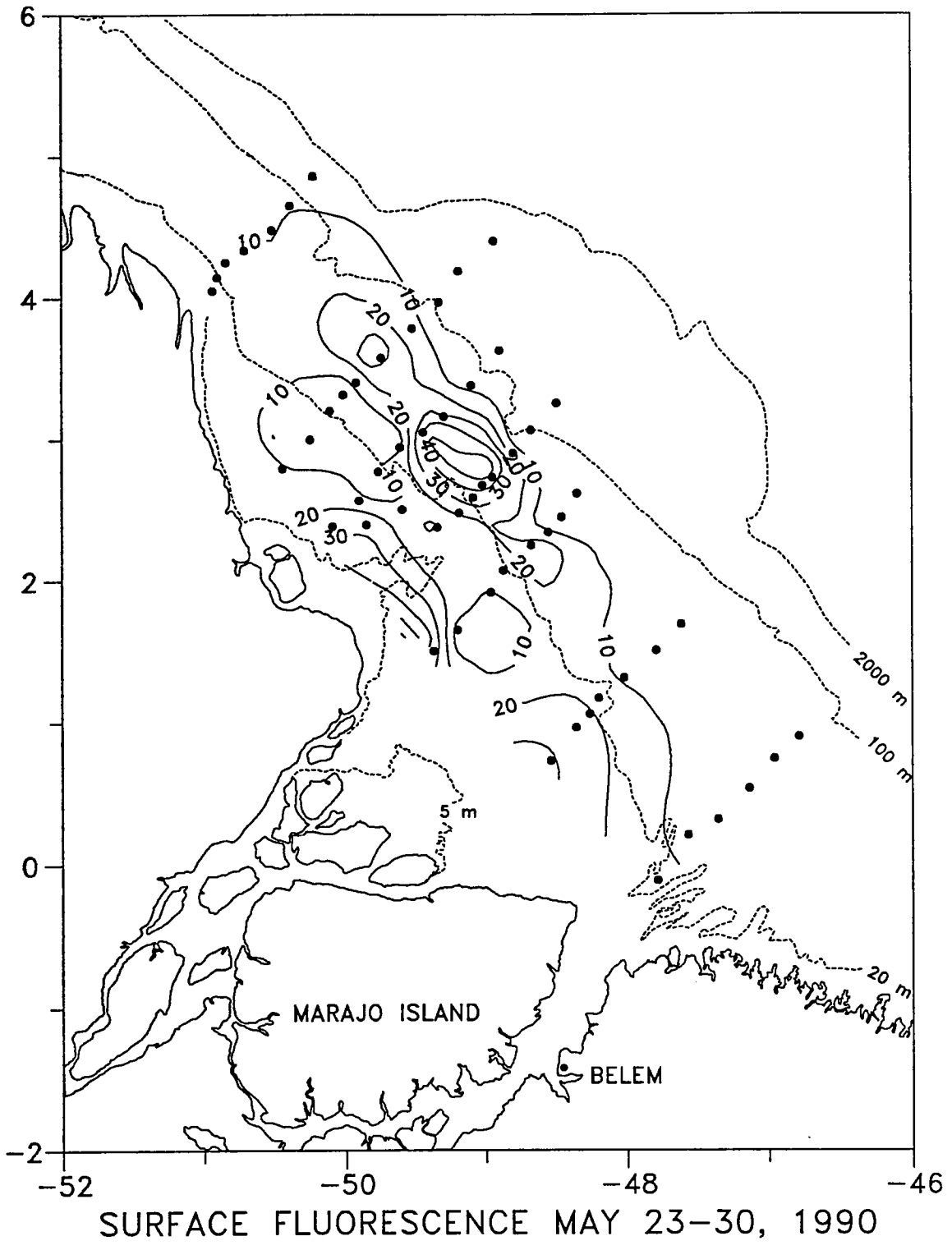
SURFACE SALINITY MAY 23-30, 1990

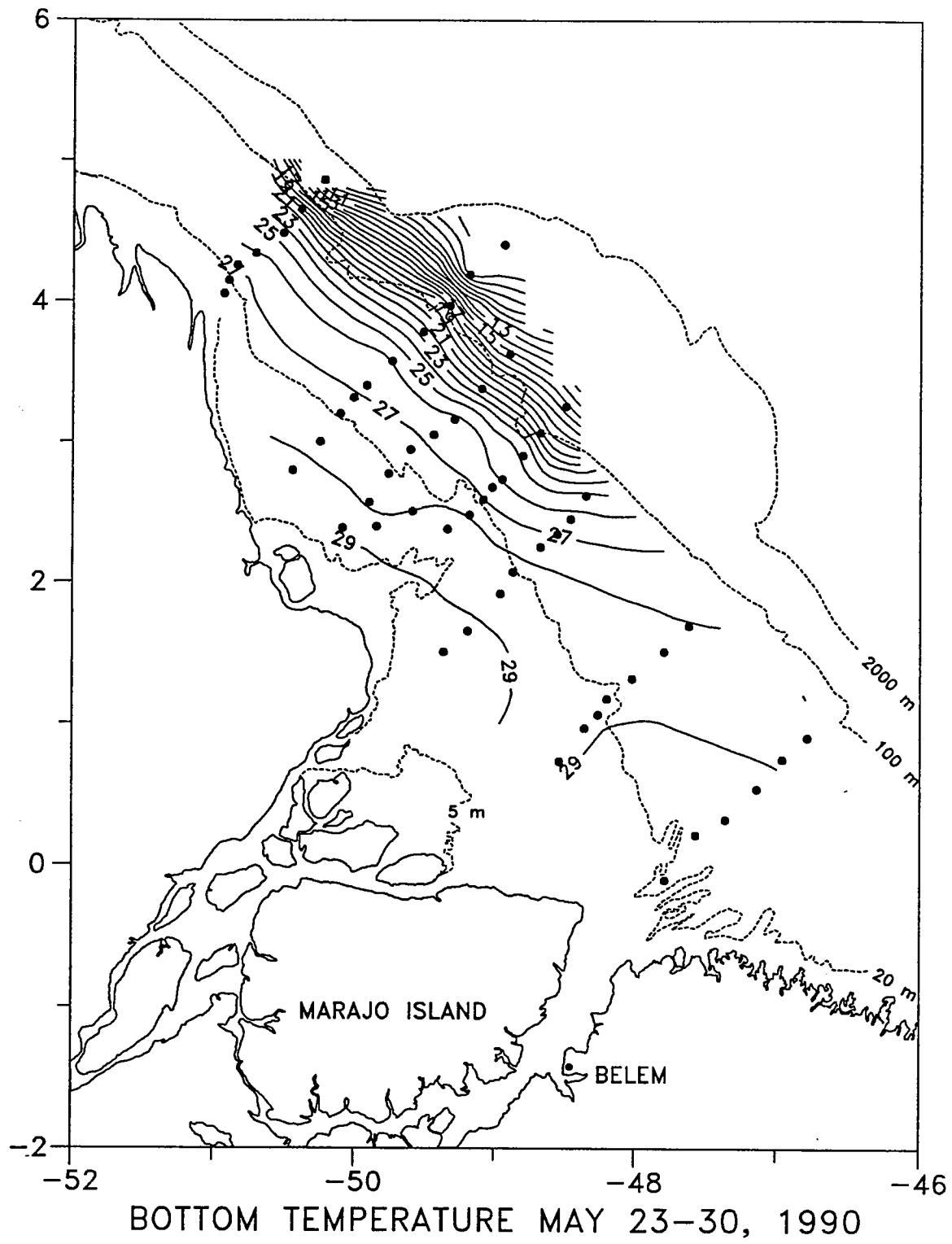


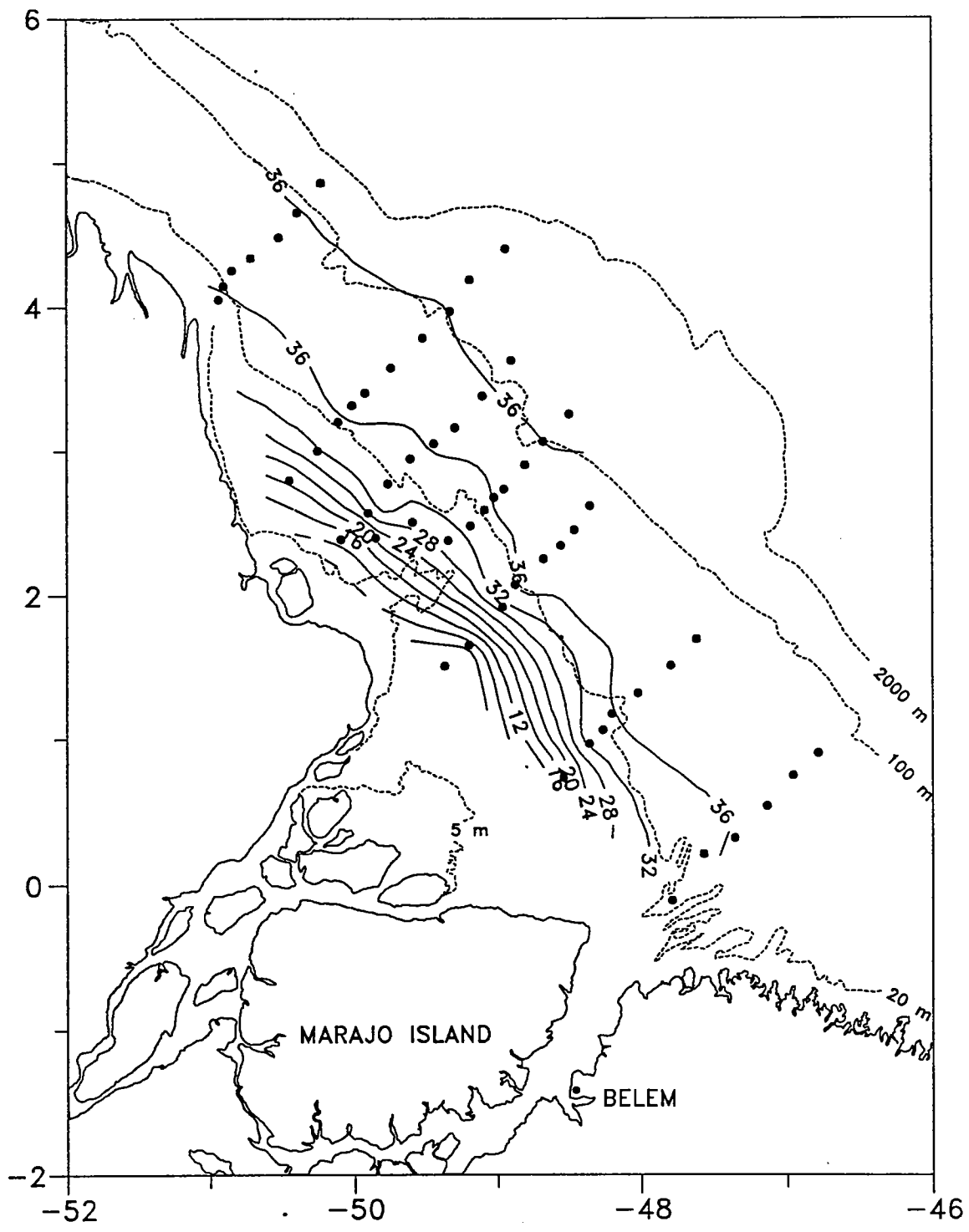
SURFACE SIGMA-T MAY 23-30, 1990



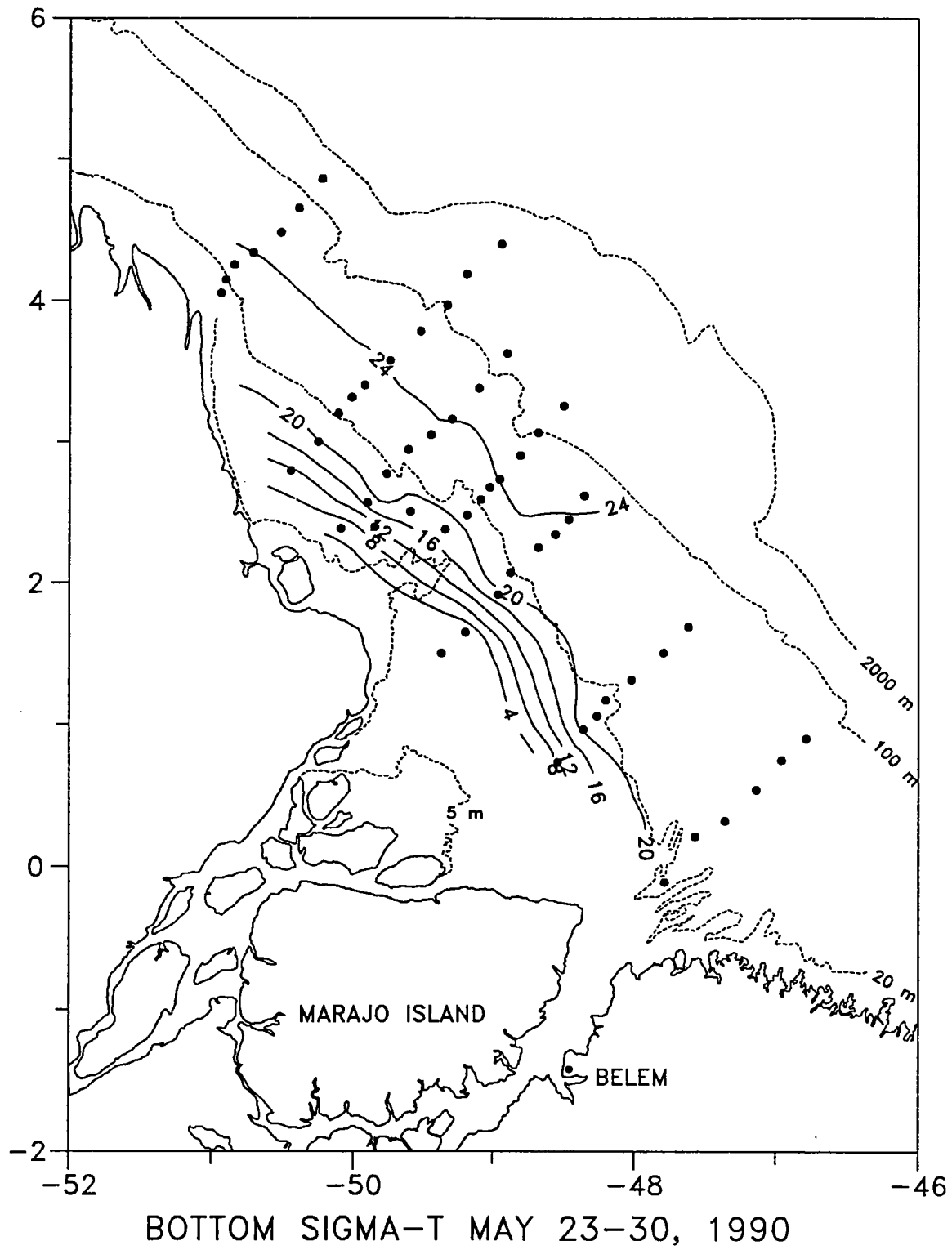


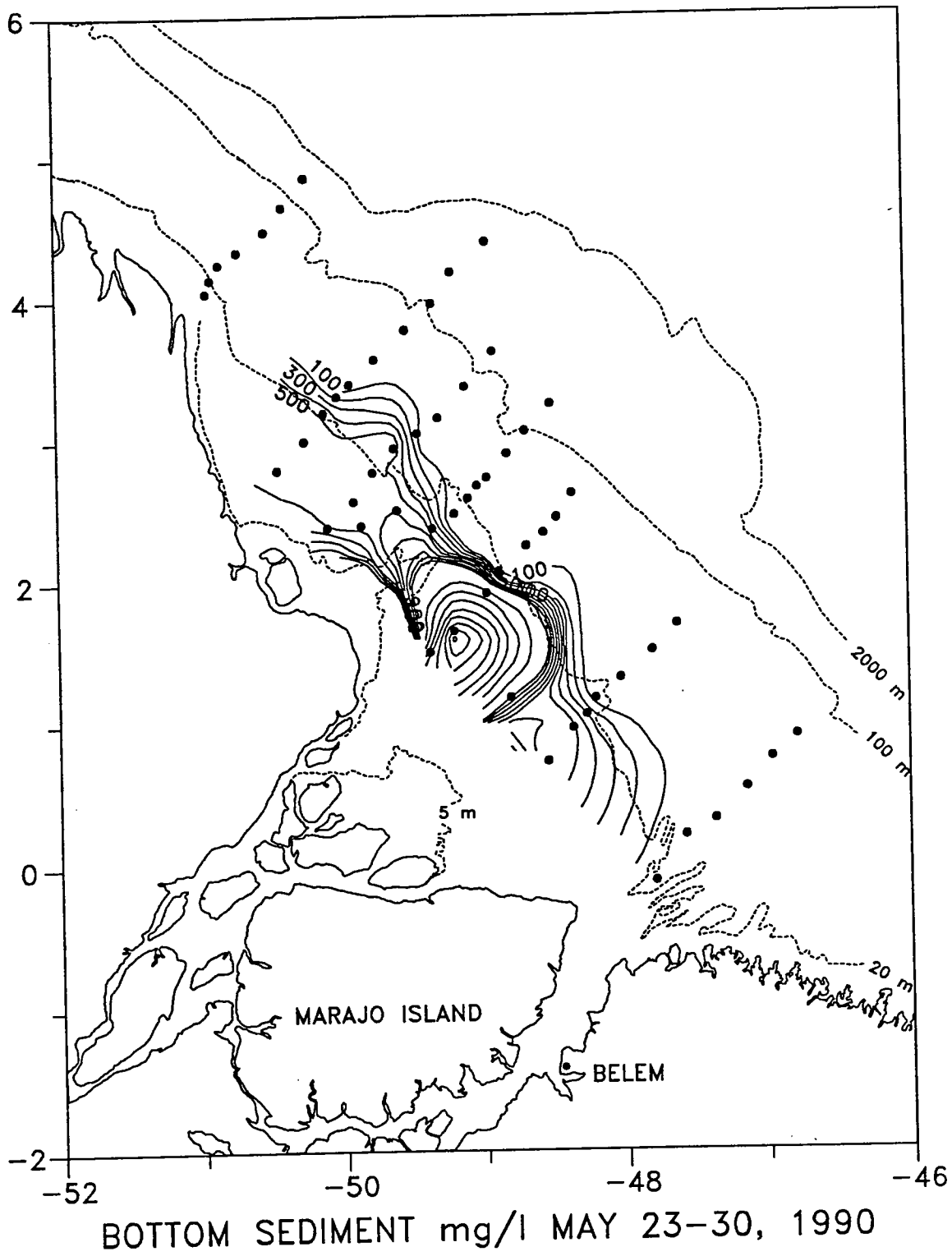


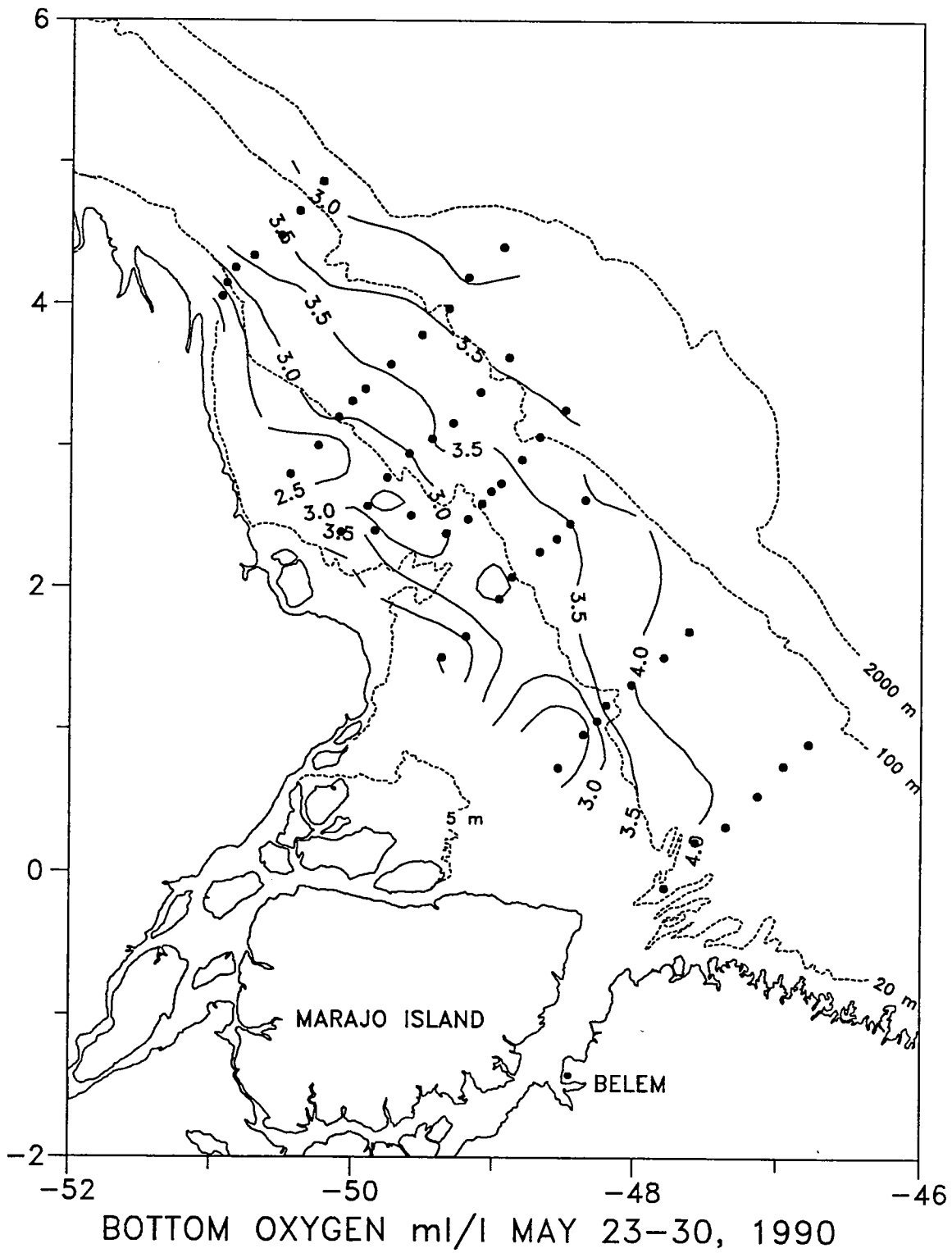


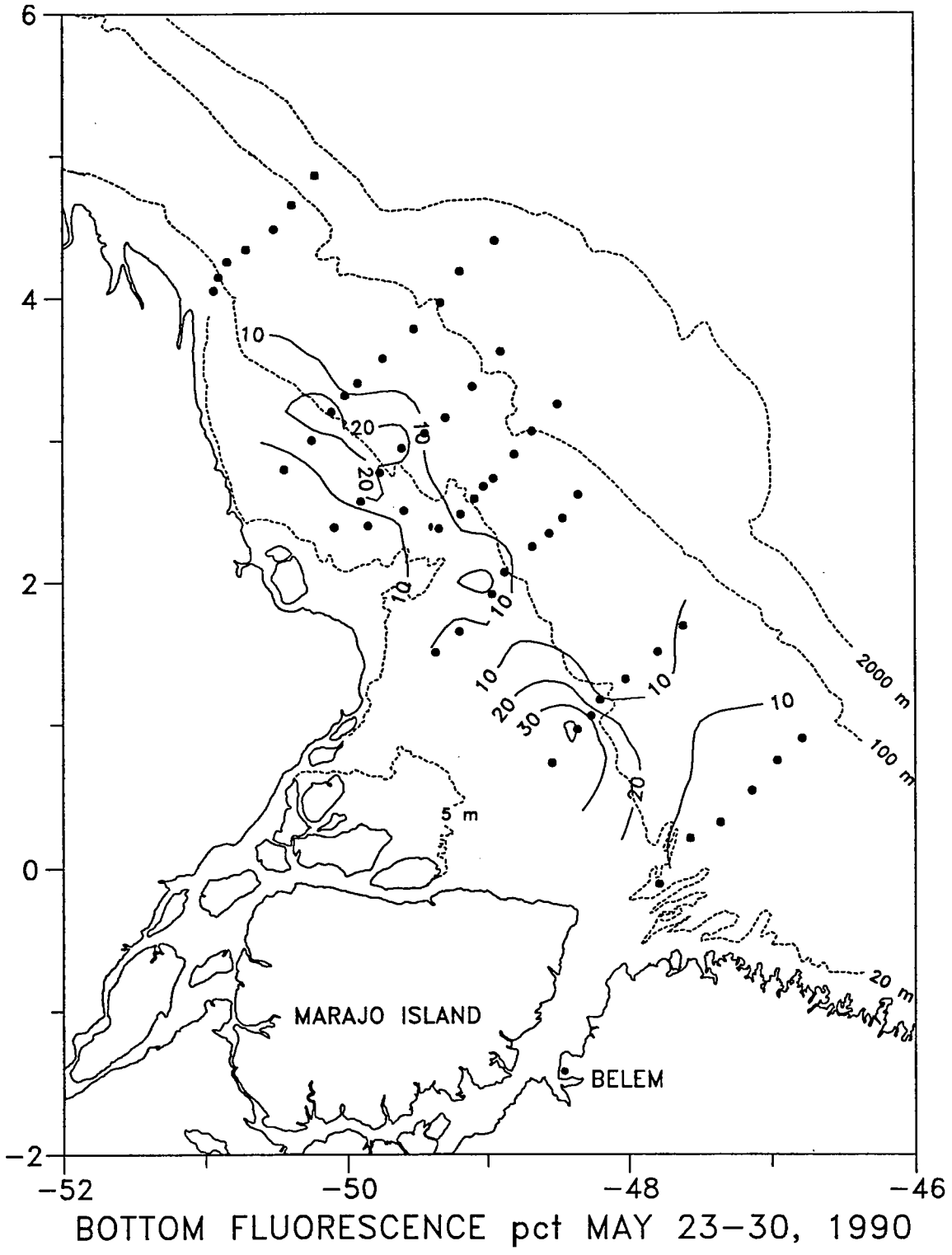


BOTTOM SALINITY MAY 23-30, 1990

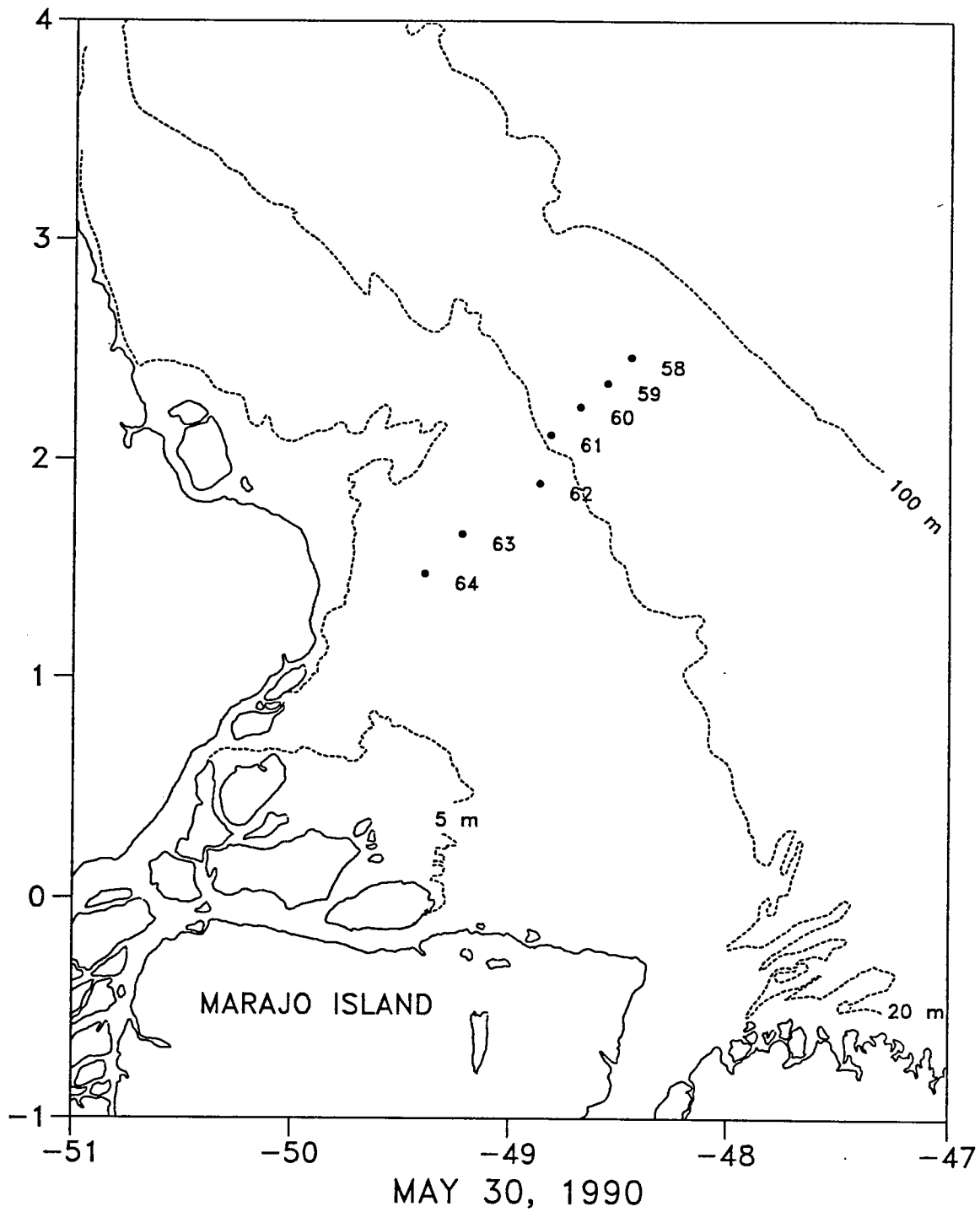


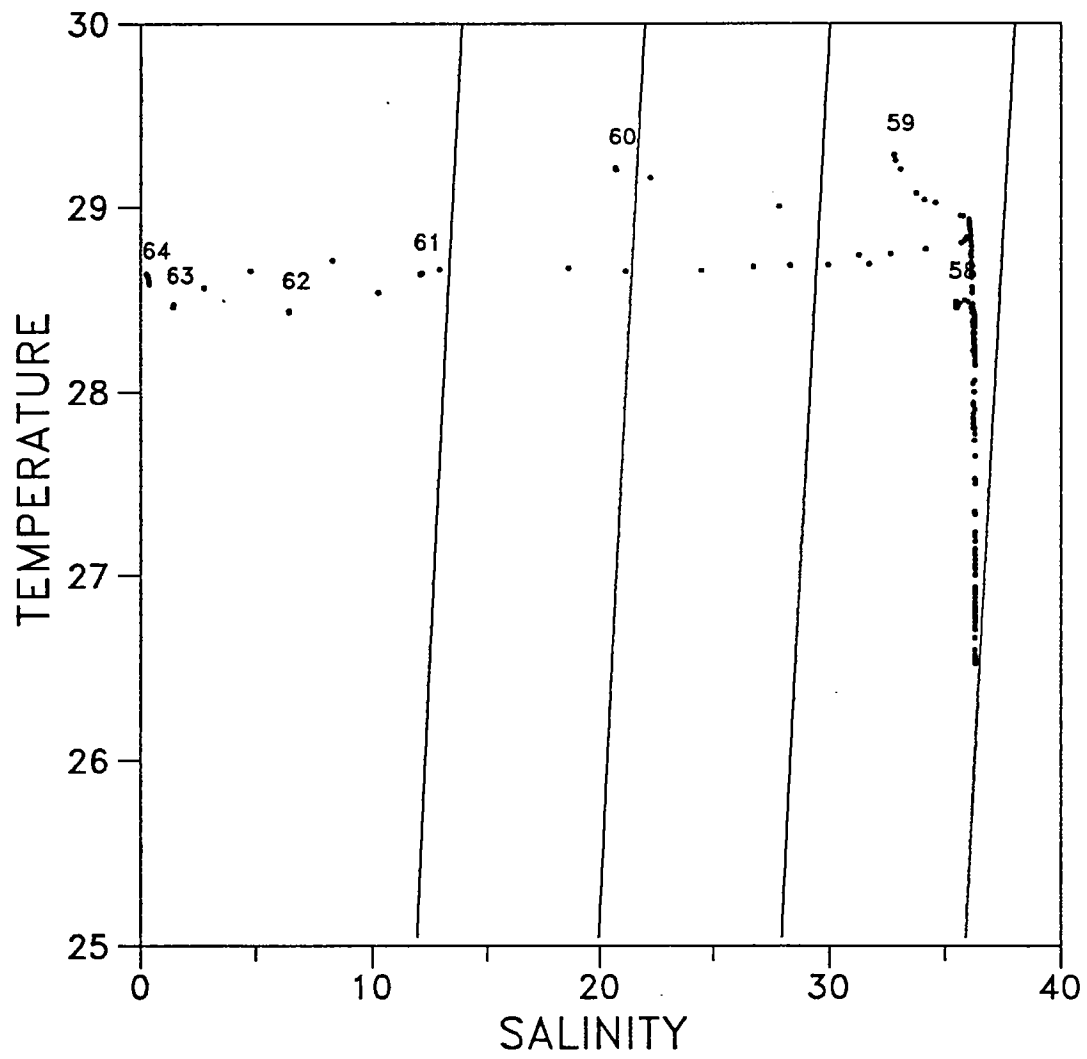


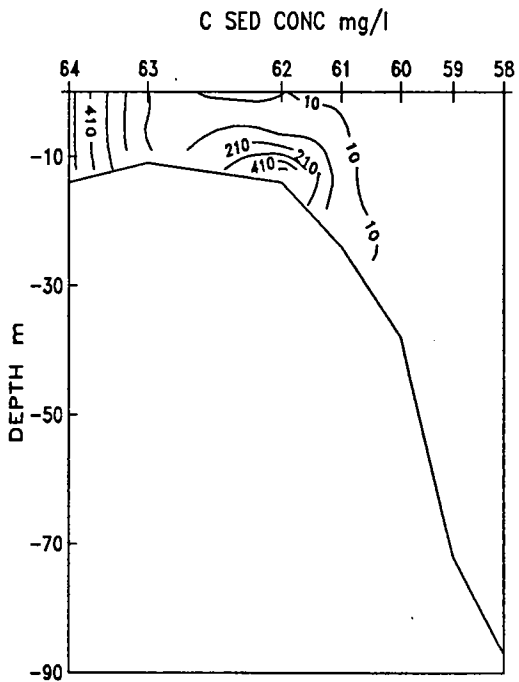
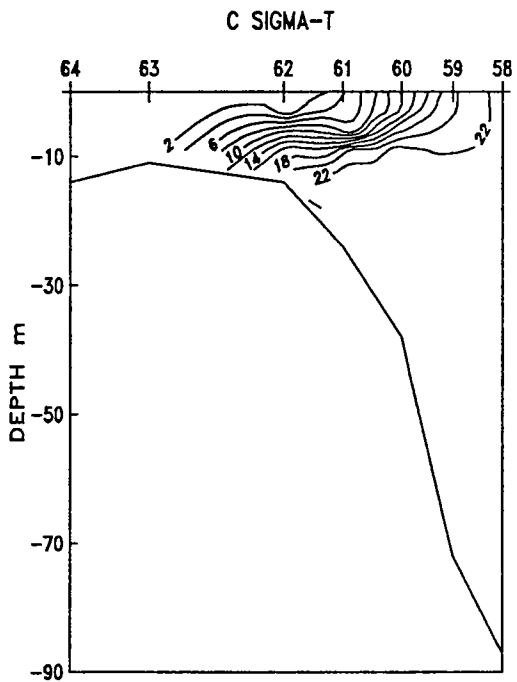
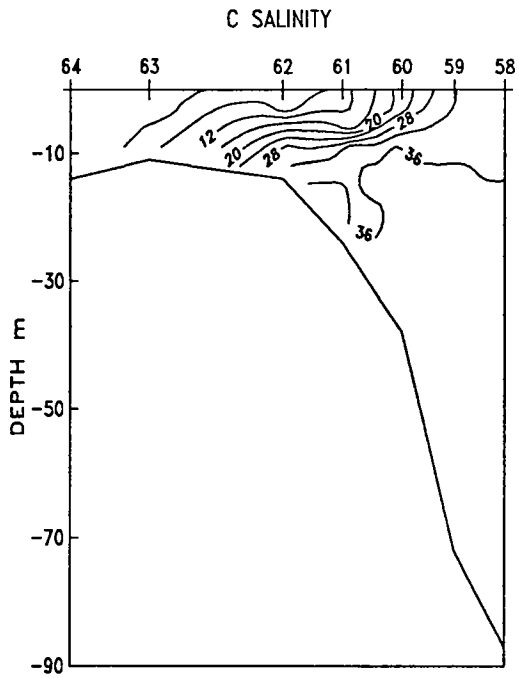
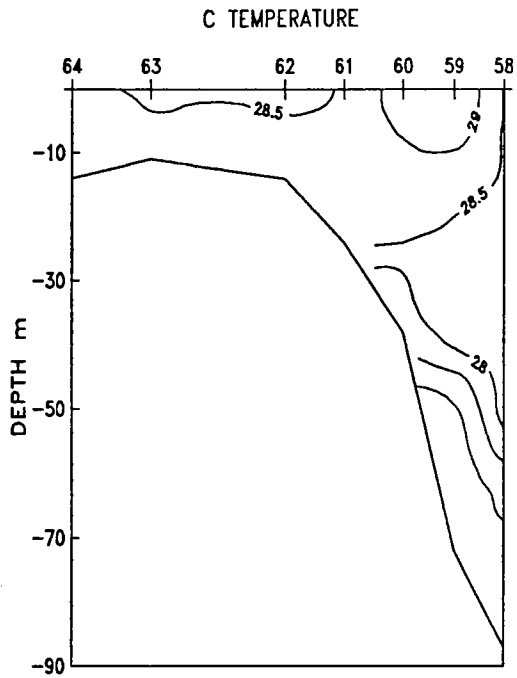


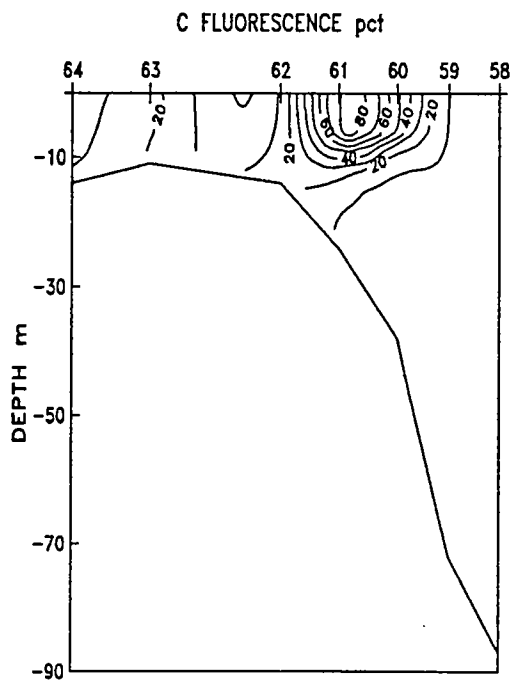
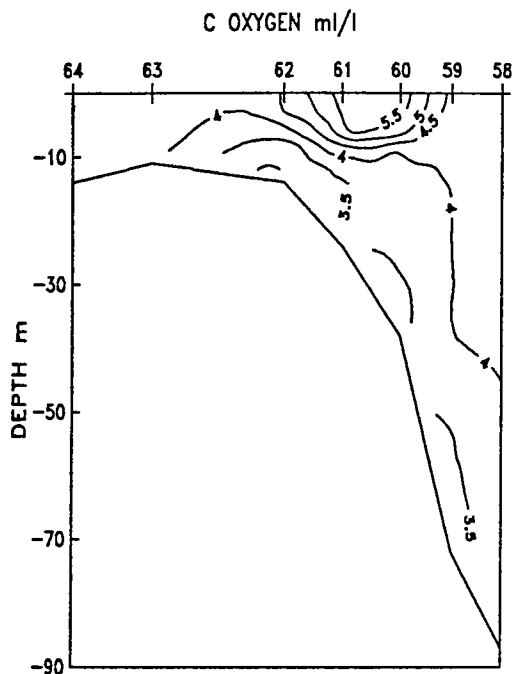


**B. Leg 3 – Section C — May 30, 1990
Stations 58 to 64**

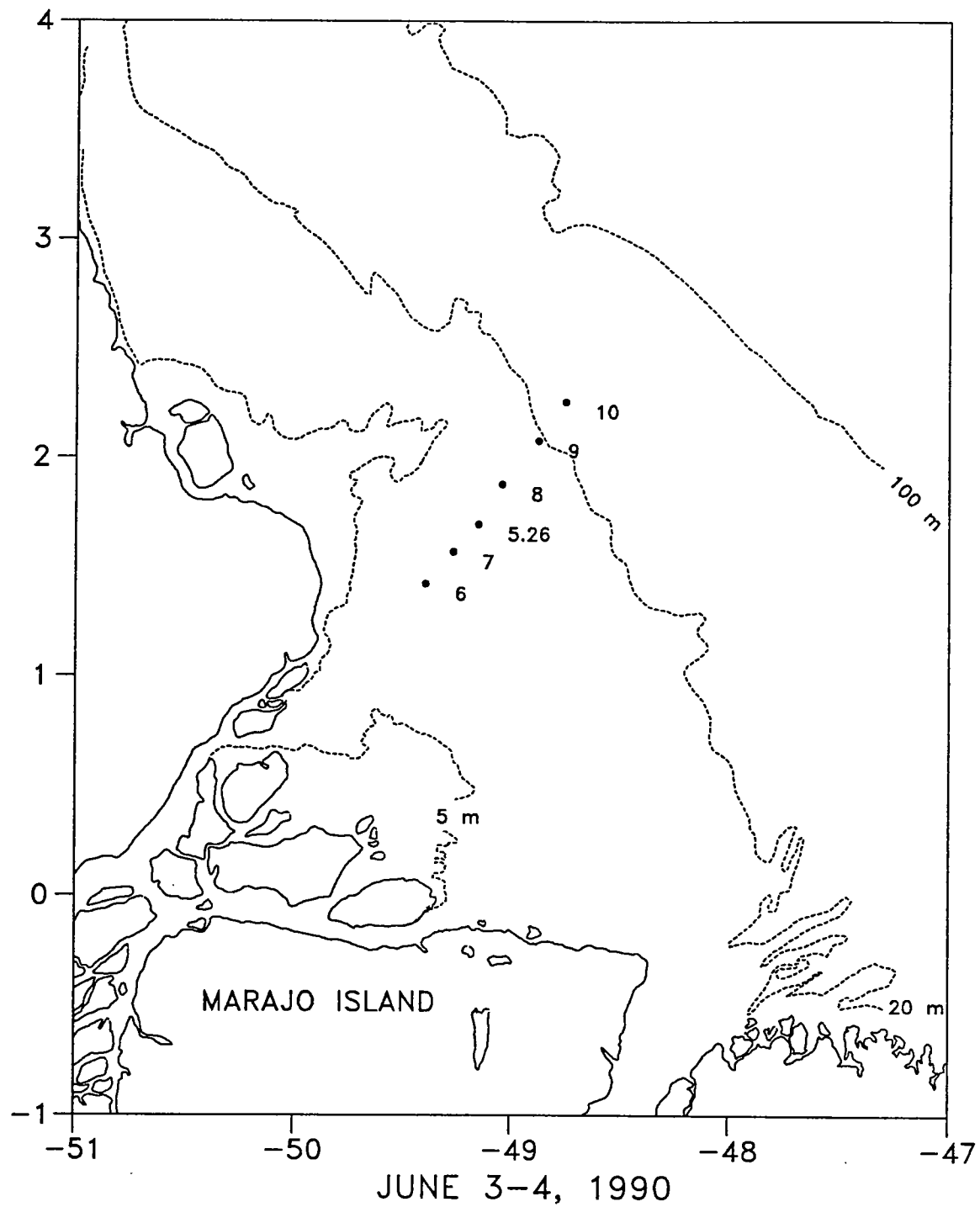


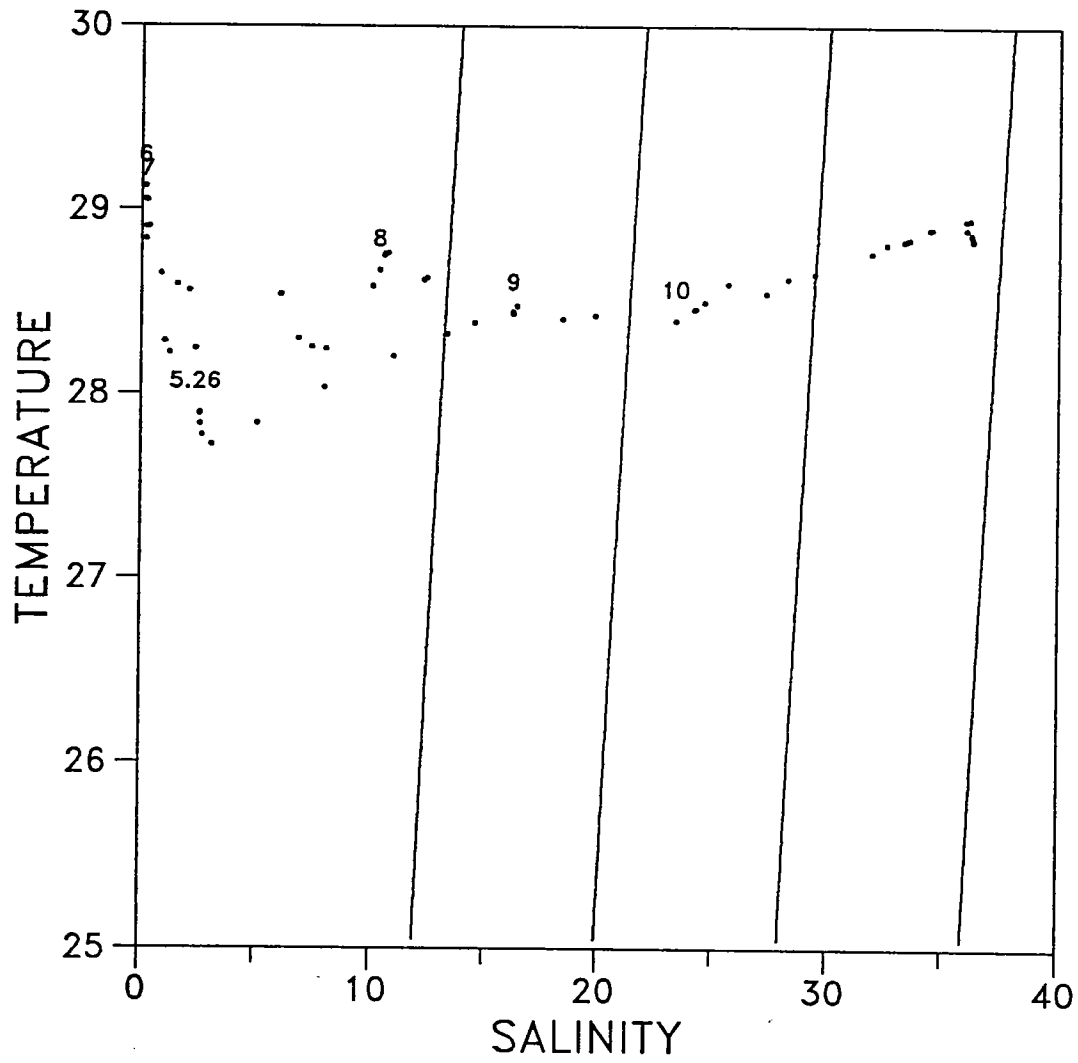


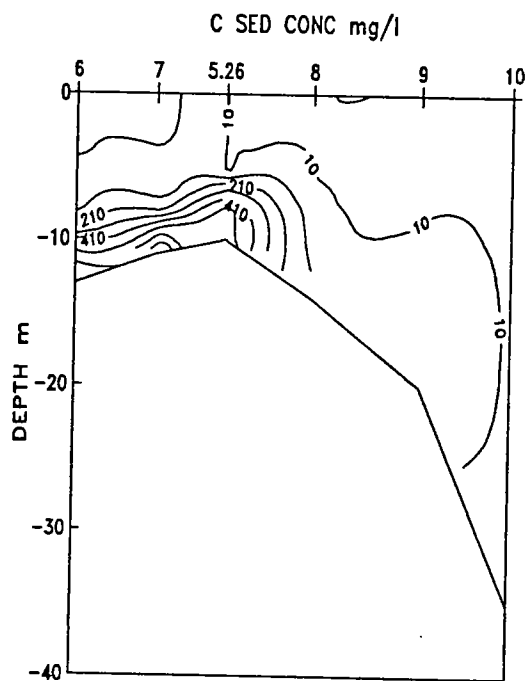
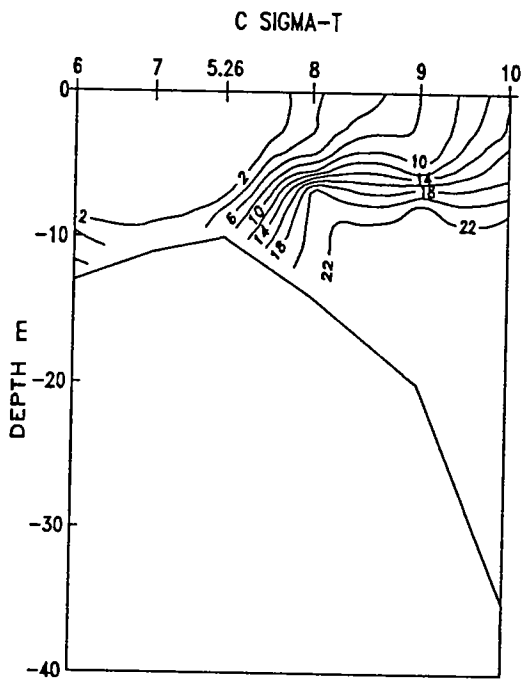
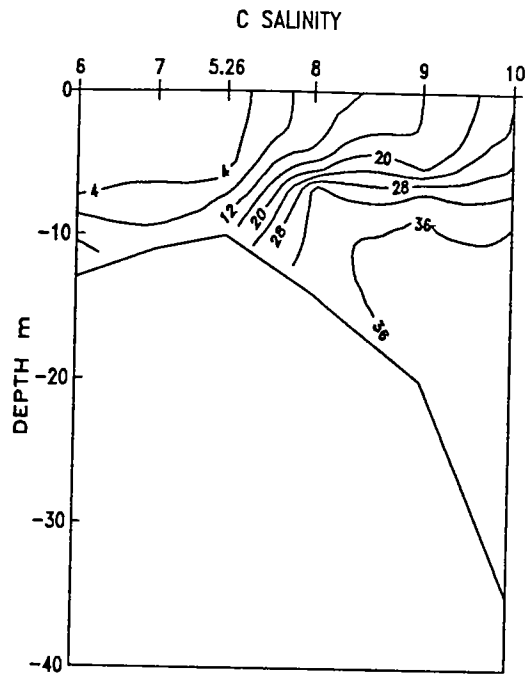
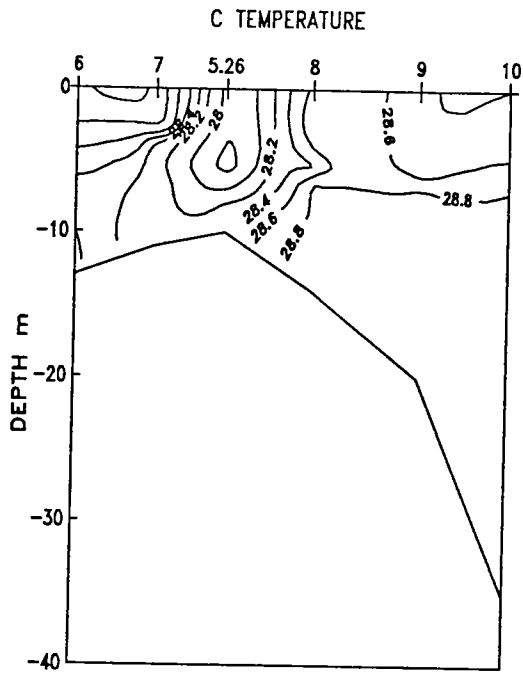


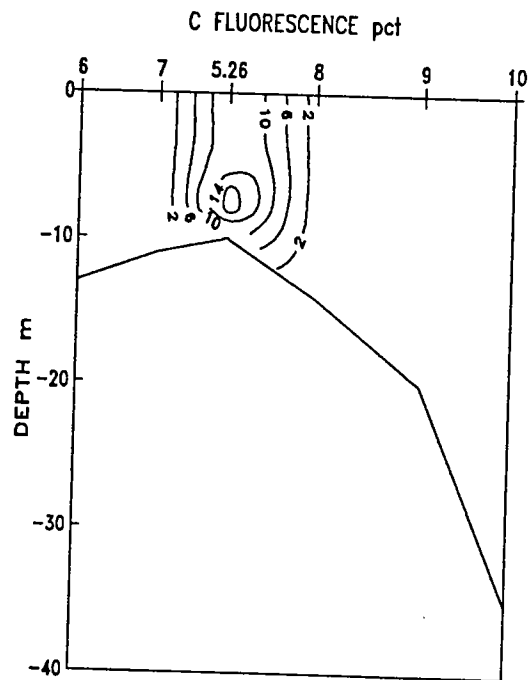
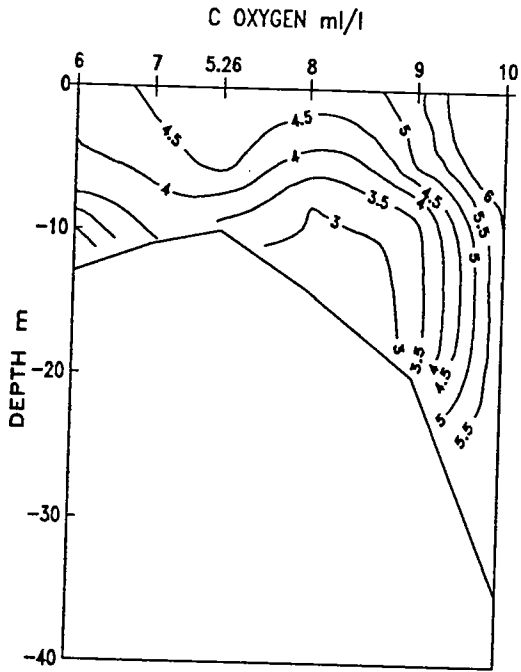


**C. Leg 4 – Section C — June 3–4, 1990
Stations 5.26 to 10**

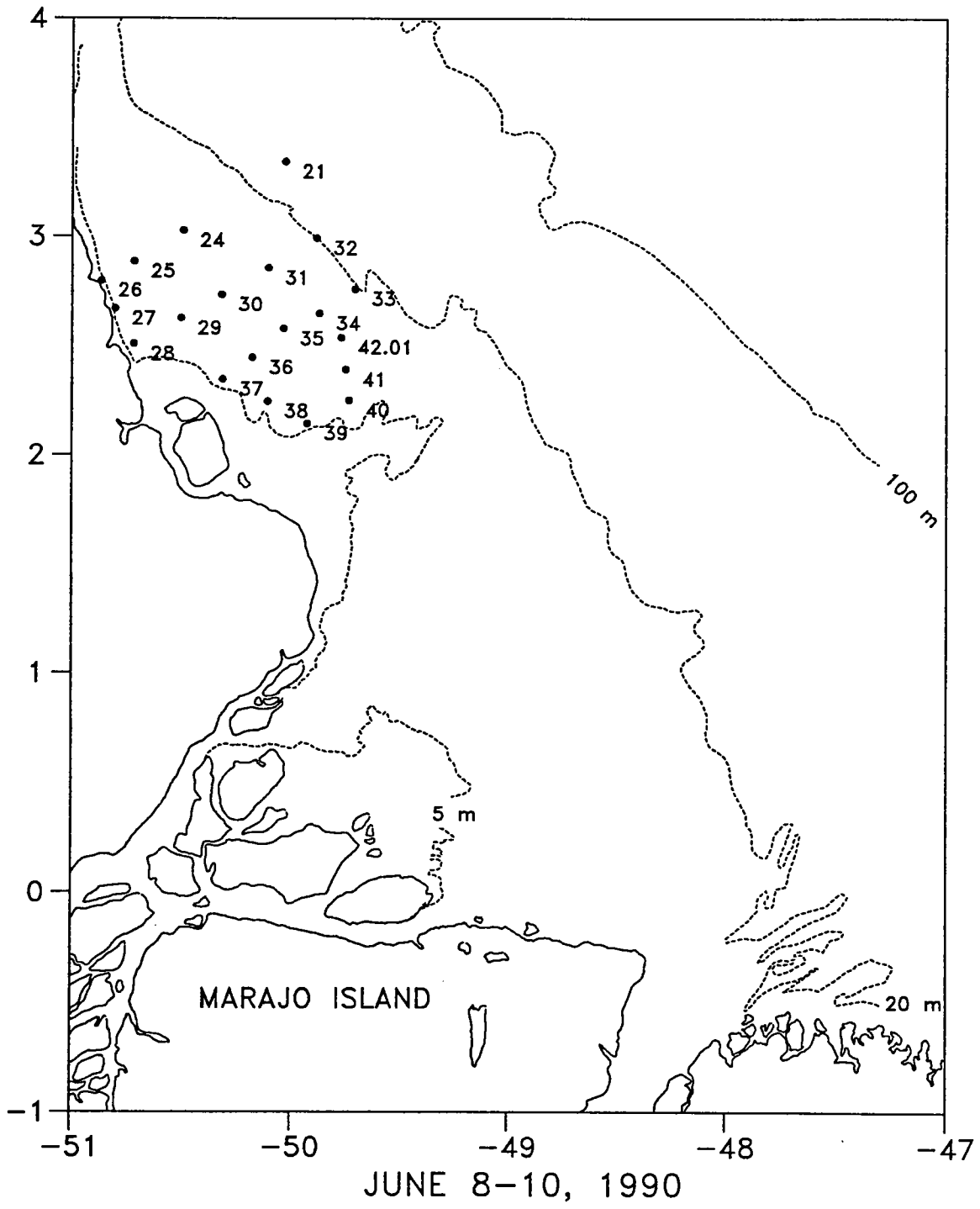


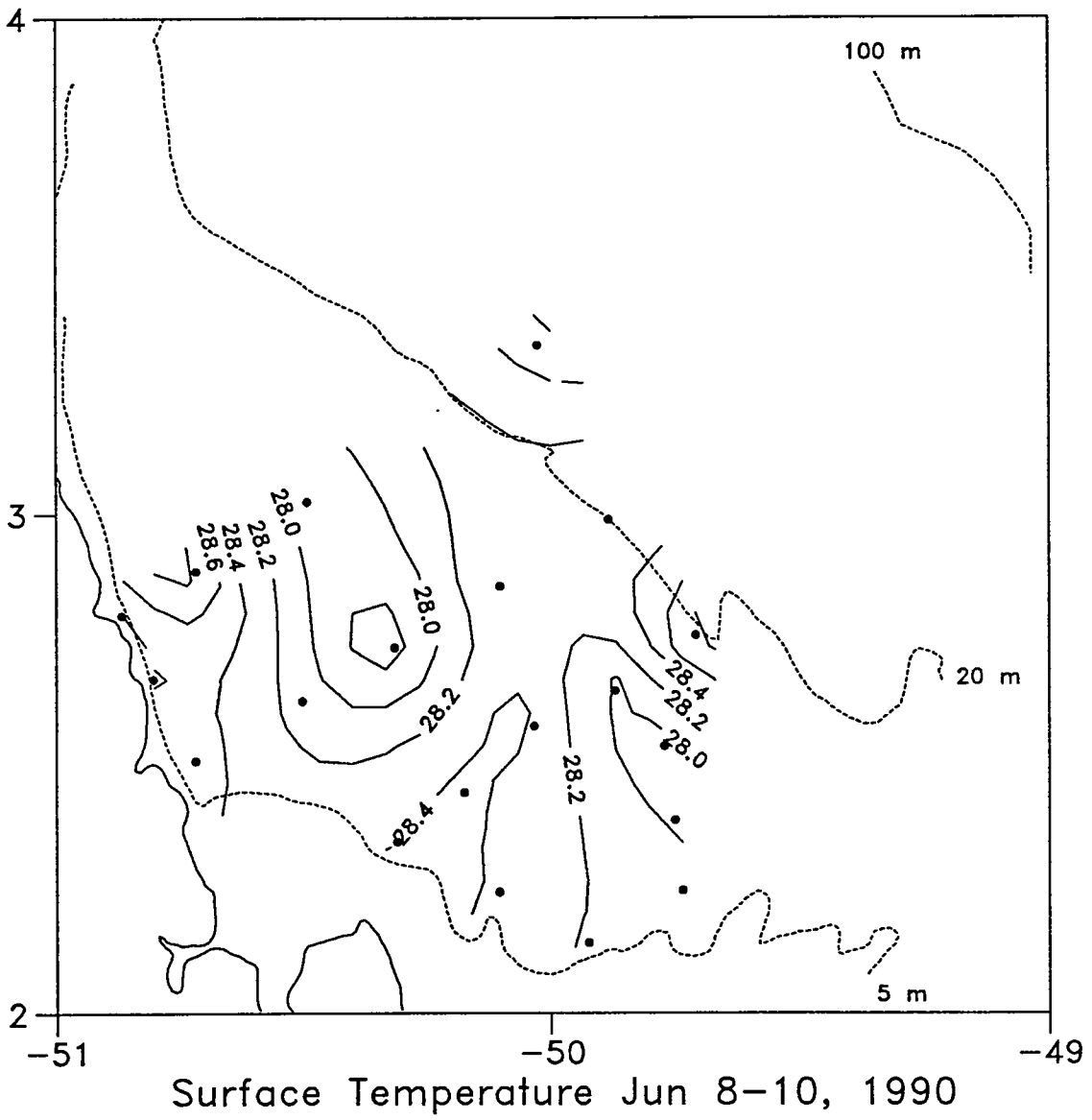


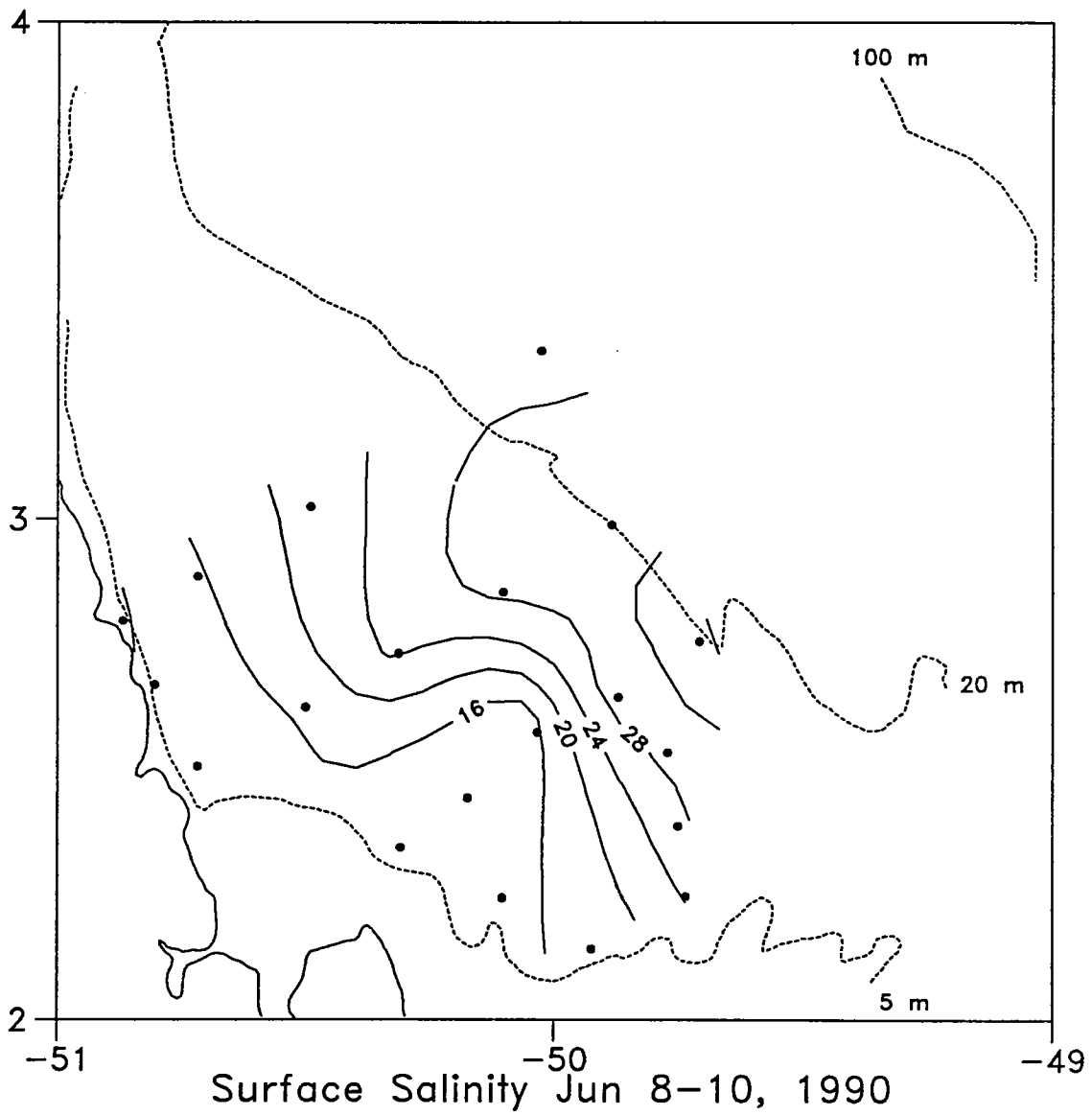


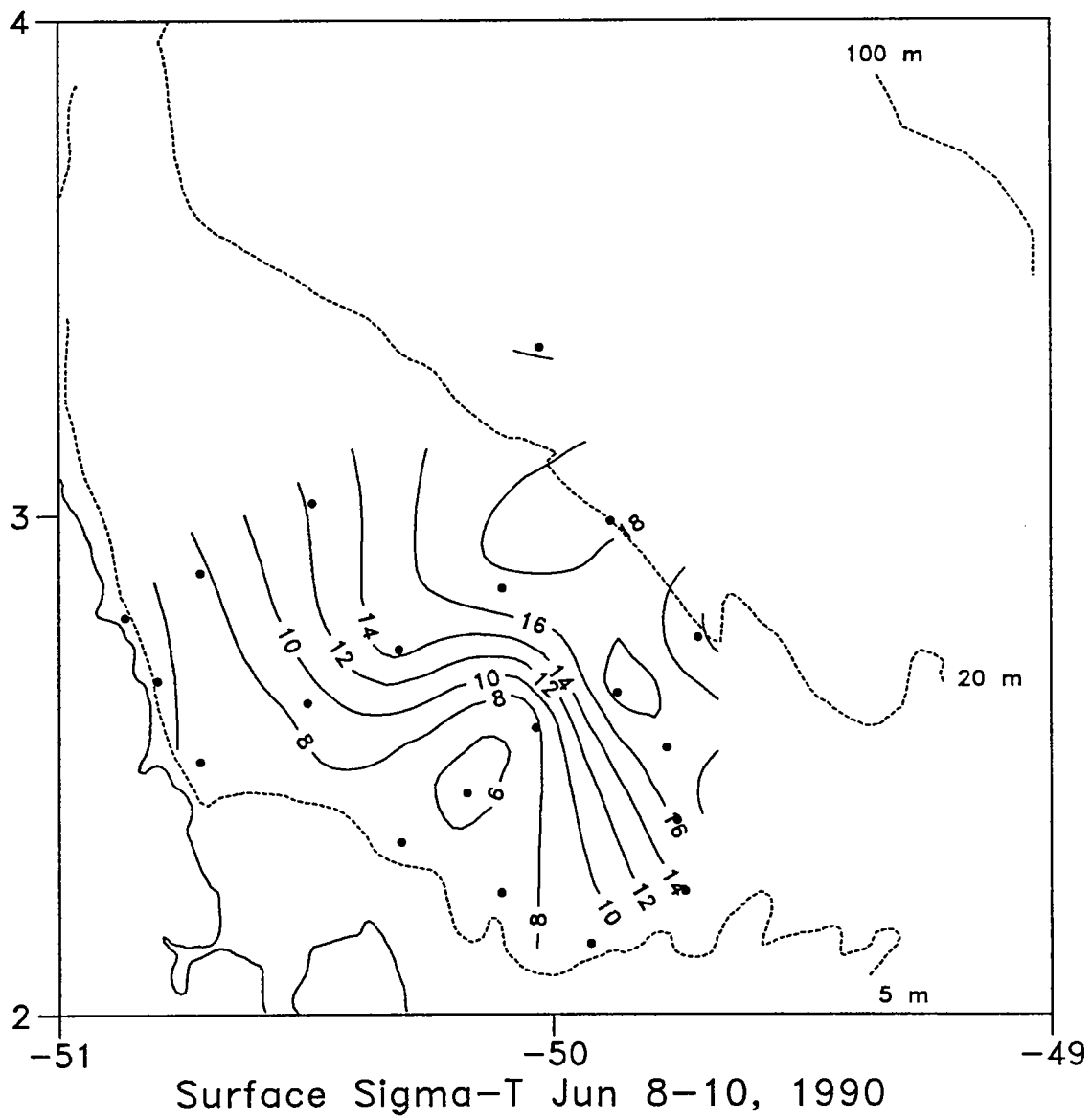


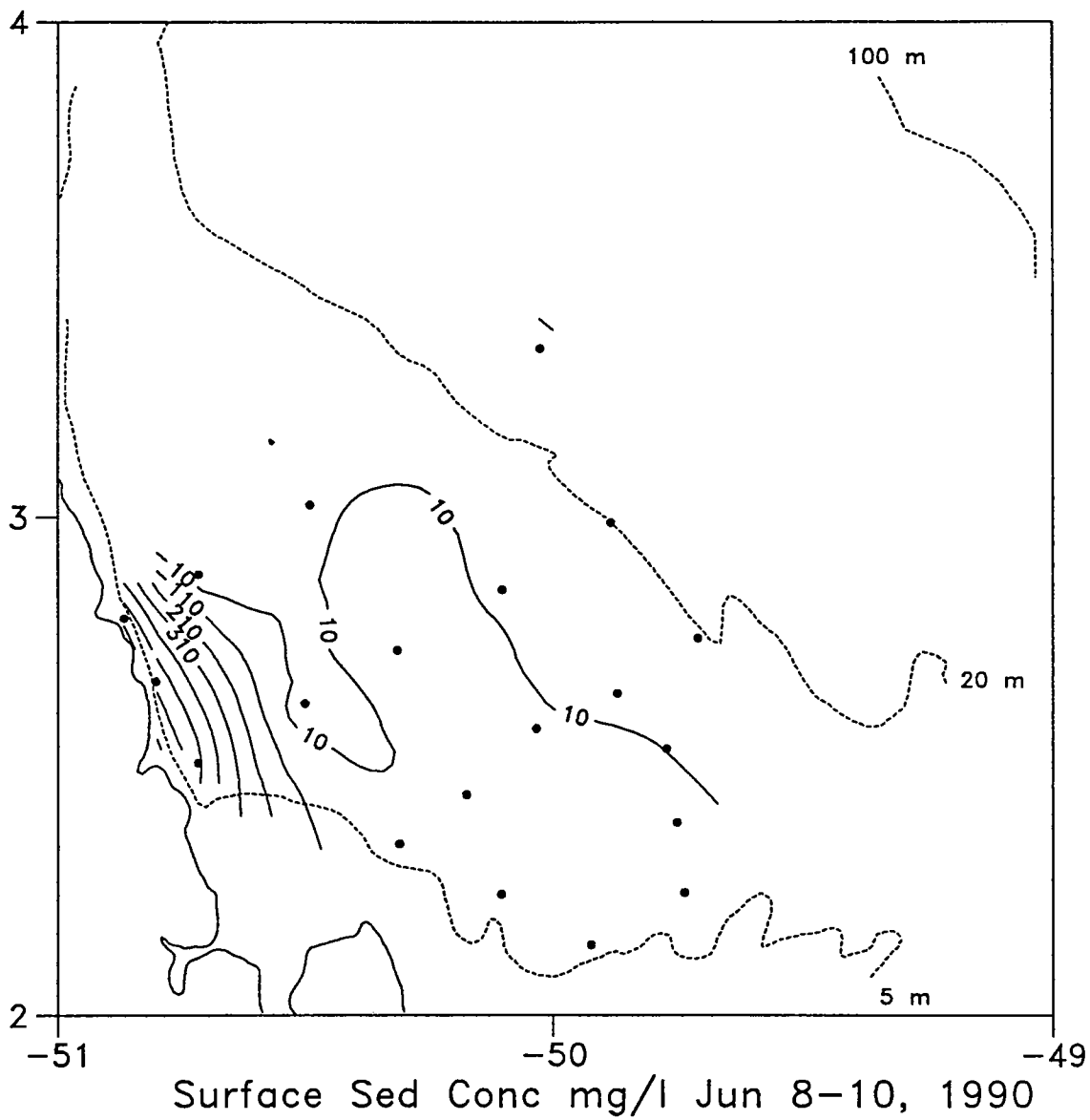
D. Leg 4 – Small-Scale Survey — June 8–10, 1990
Stations 21.09 to 42.01

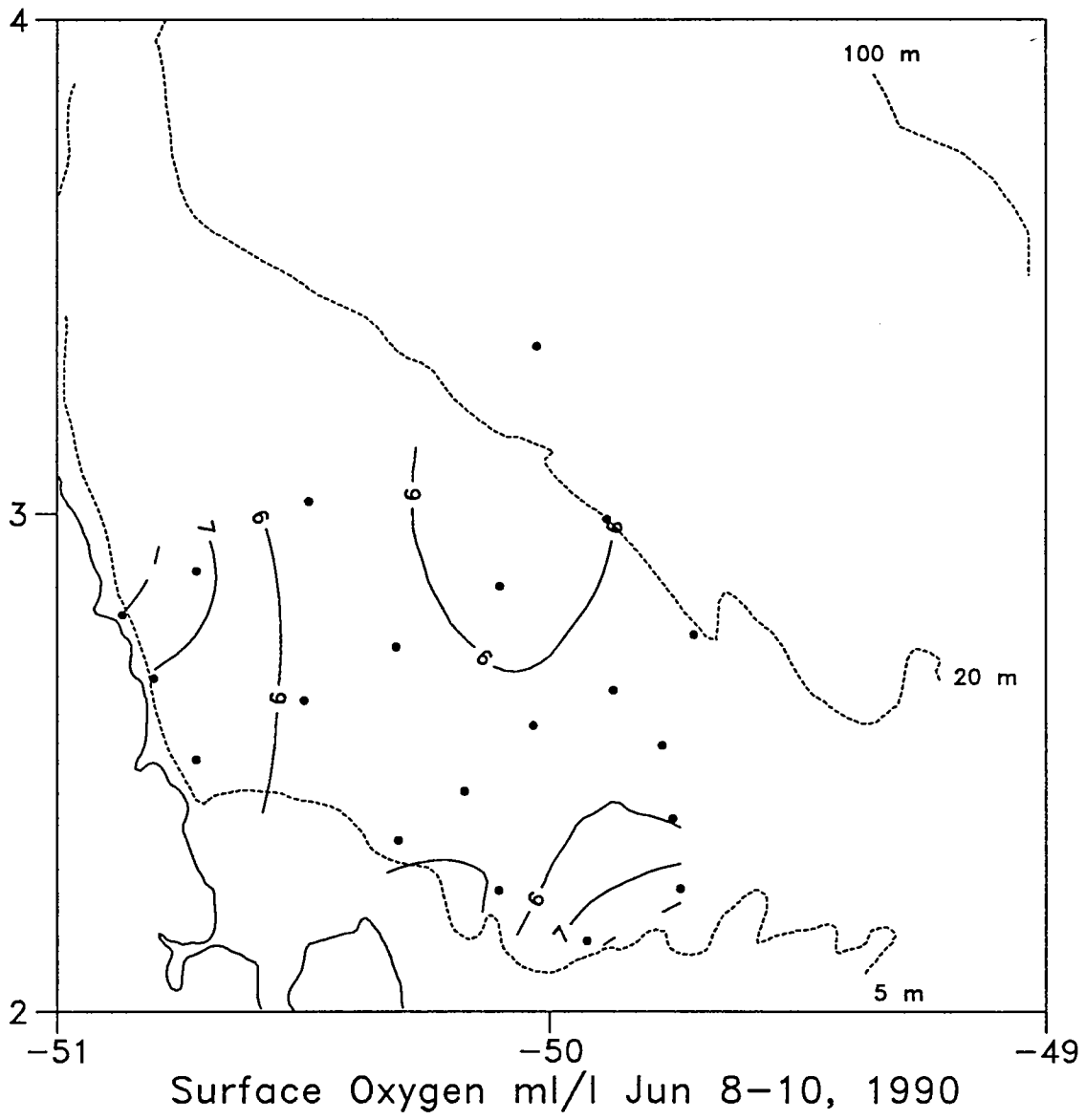


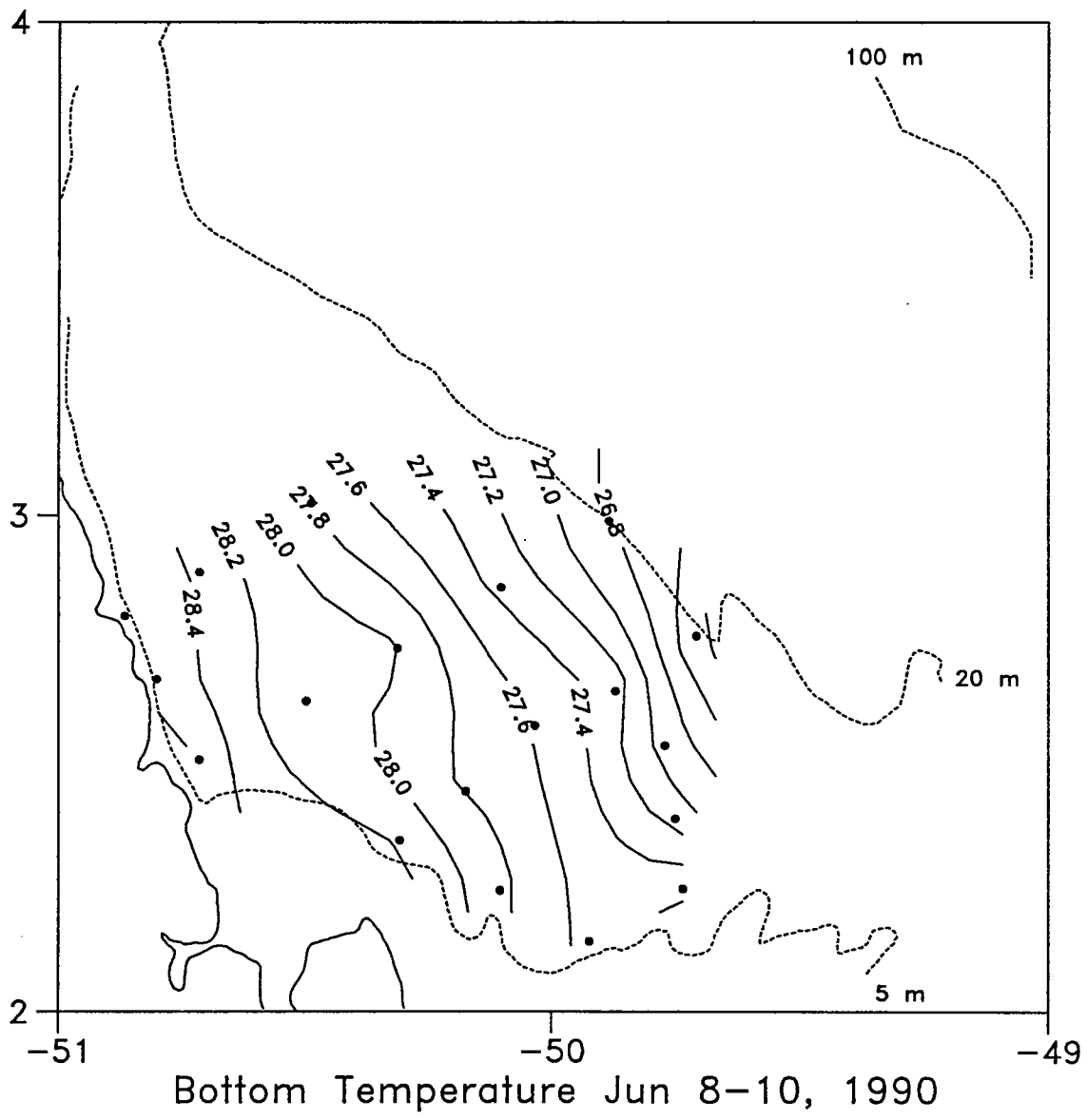


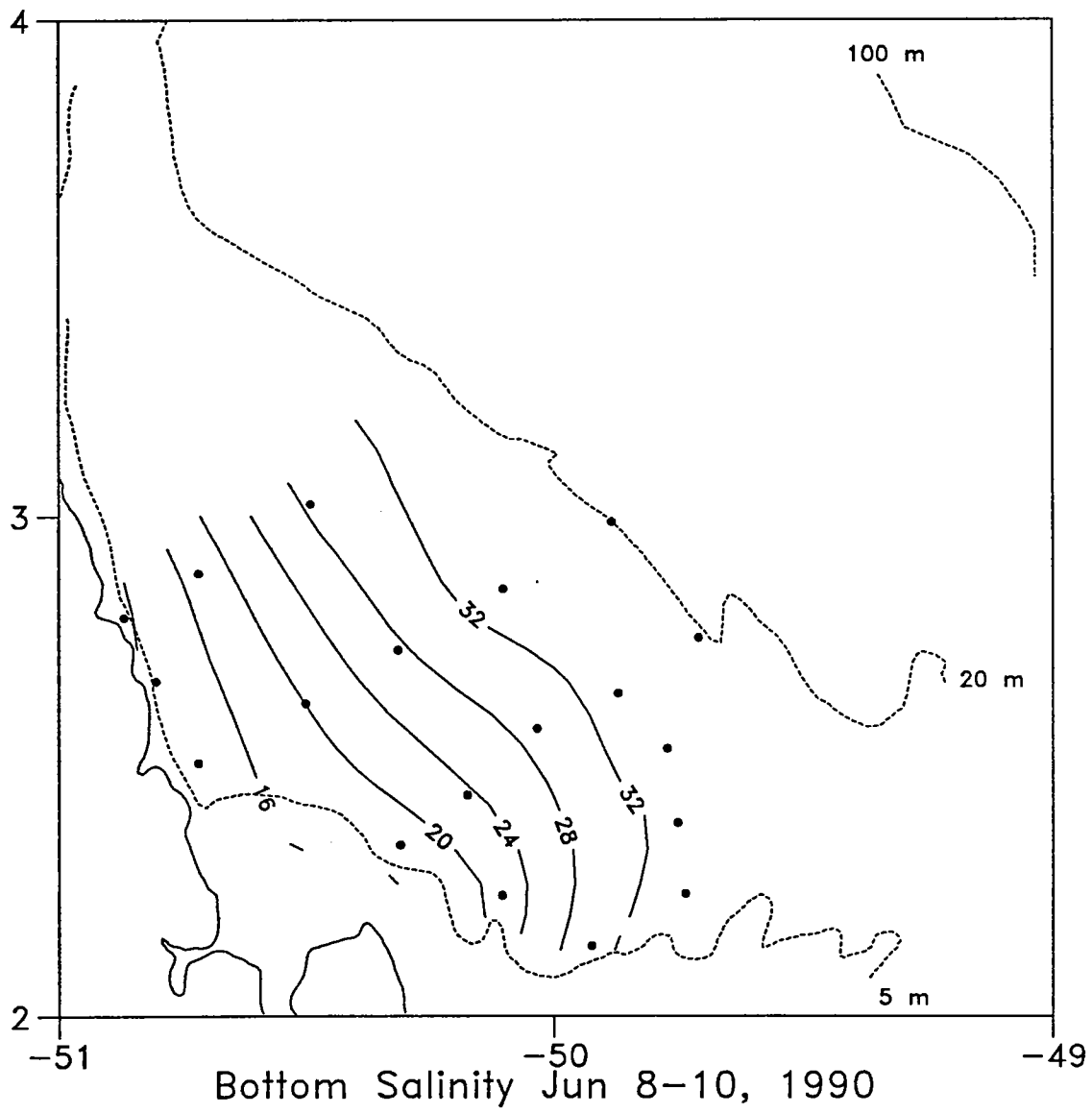


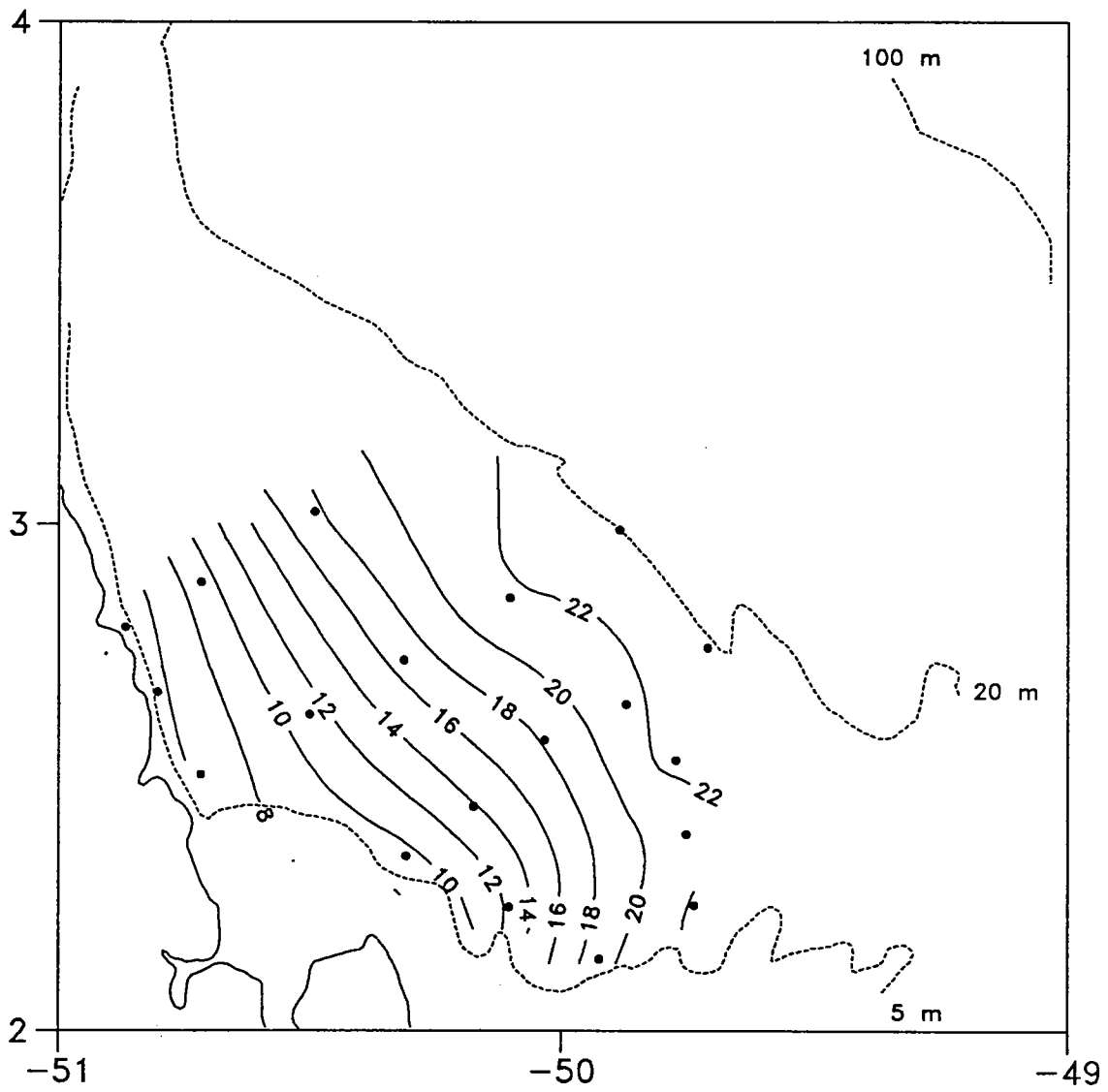




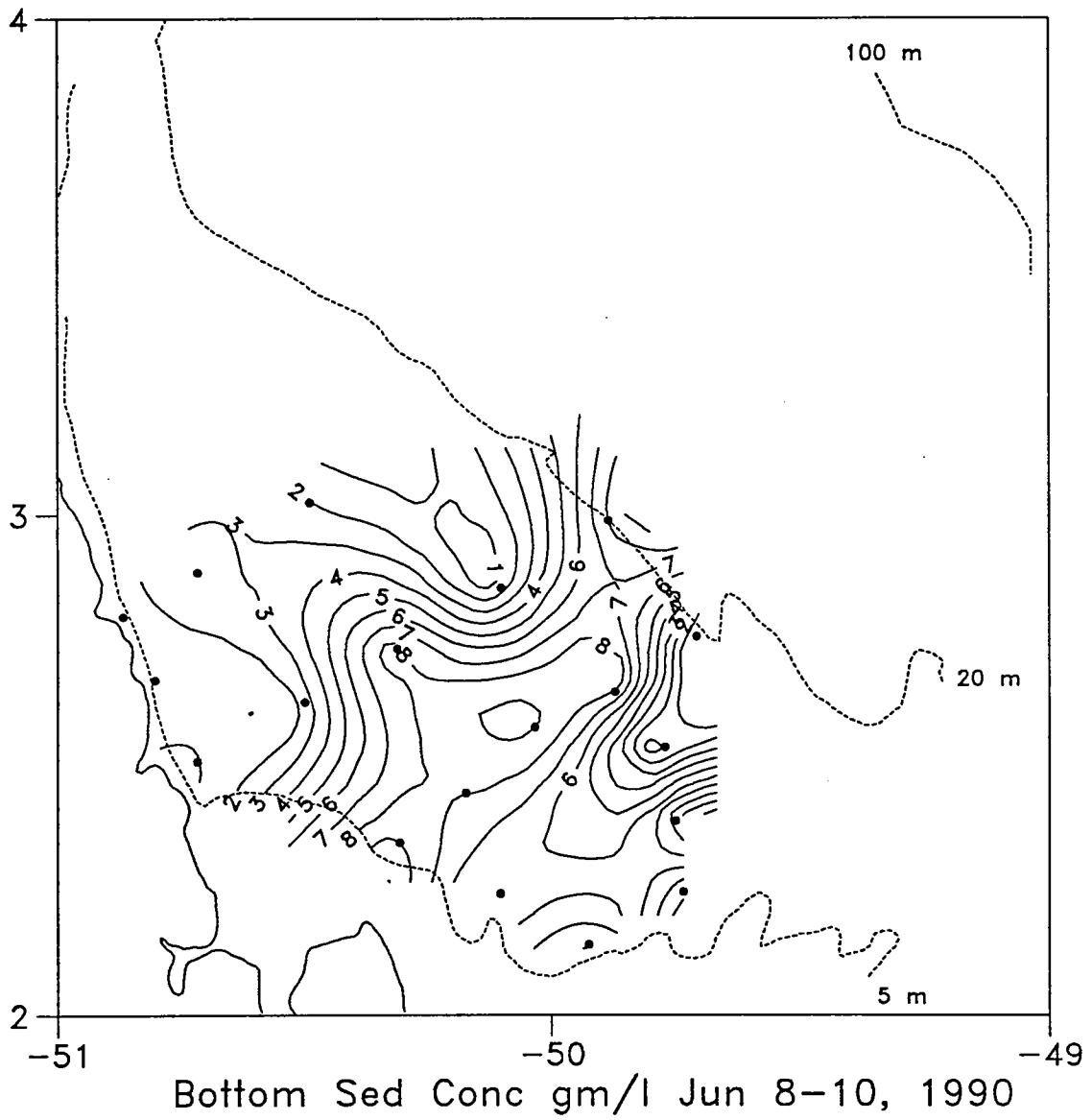


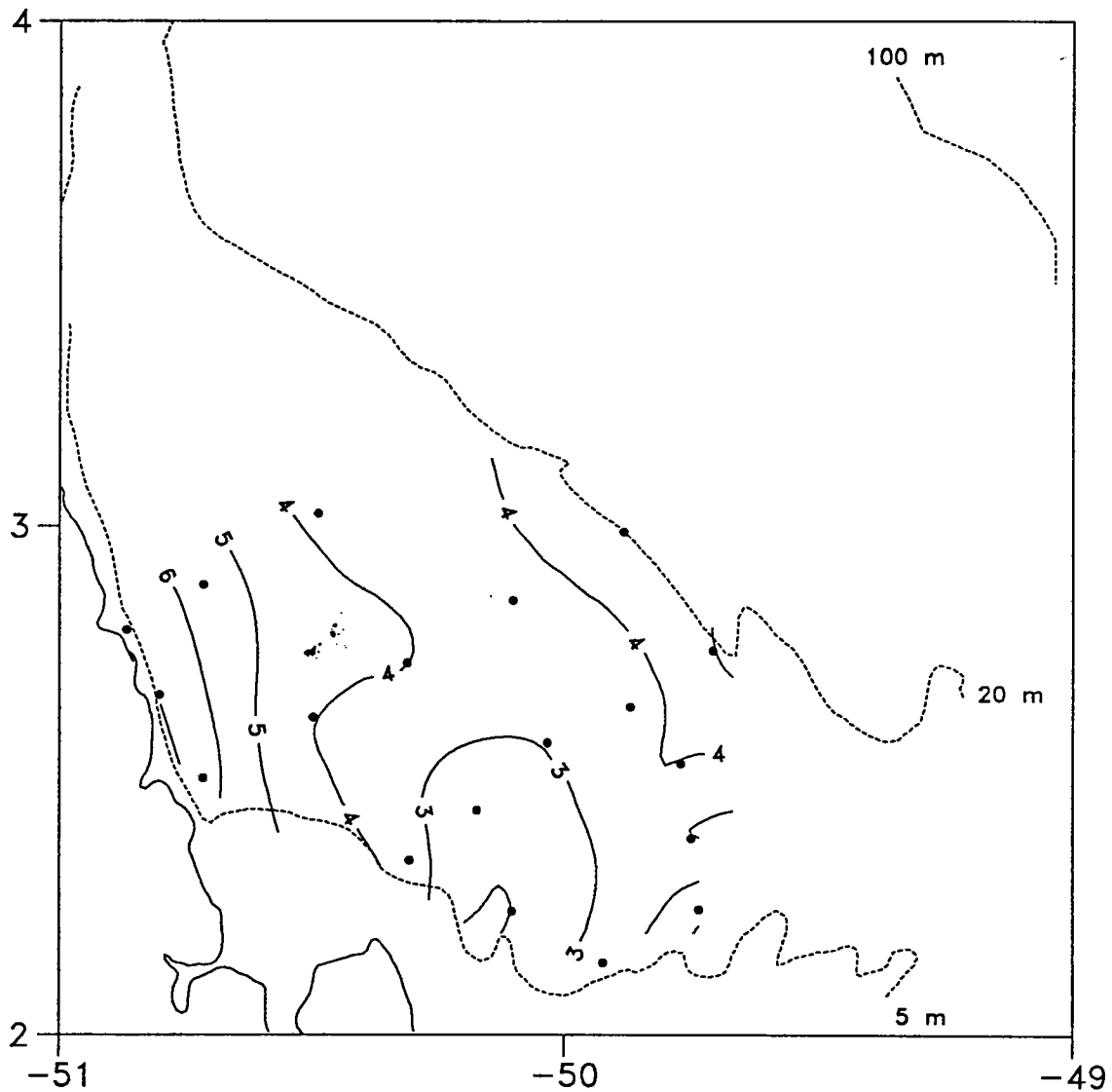






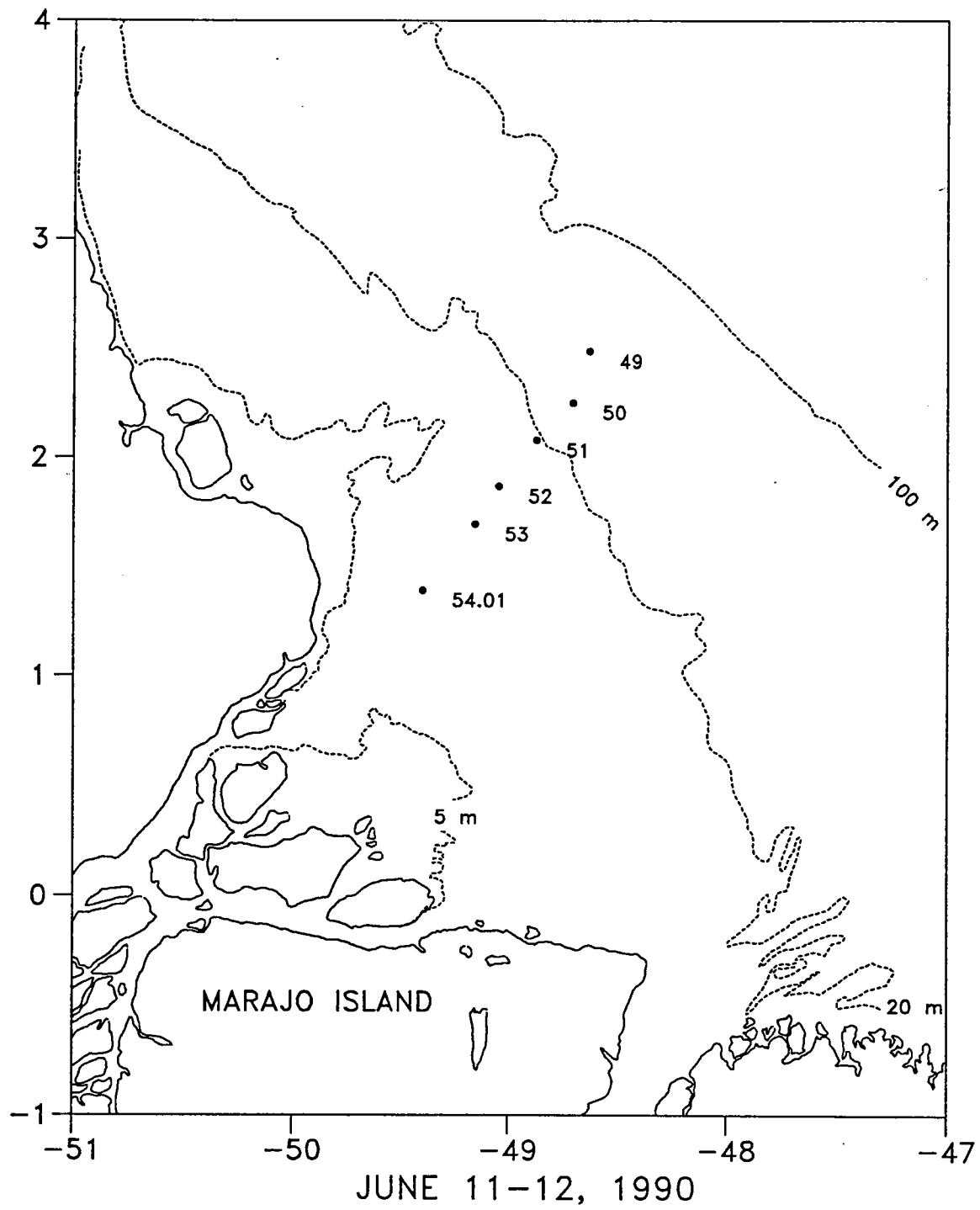
Bottom Sigma-T Jun 8-10, 1990

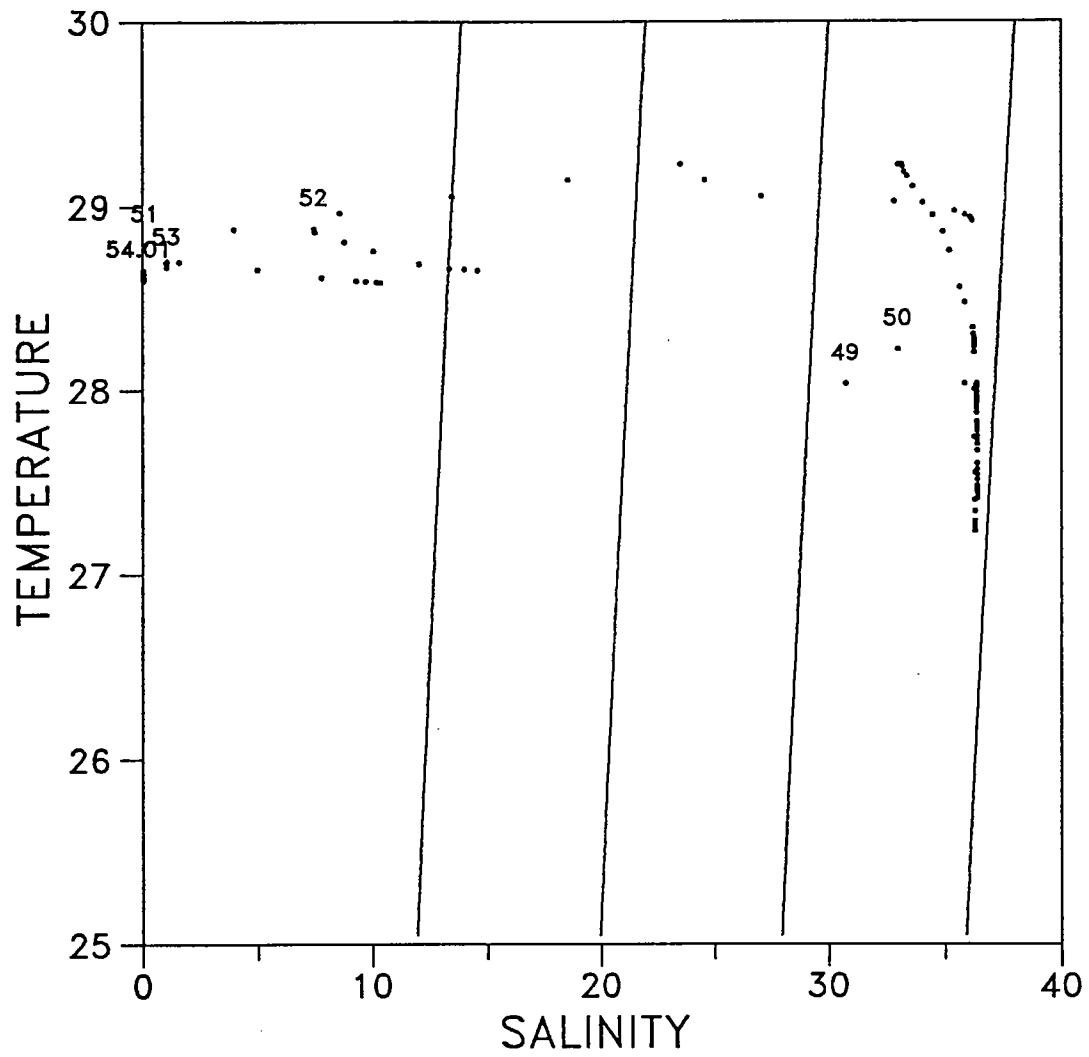


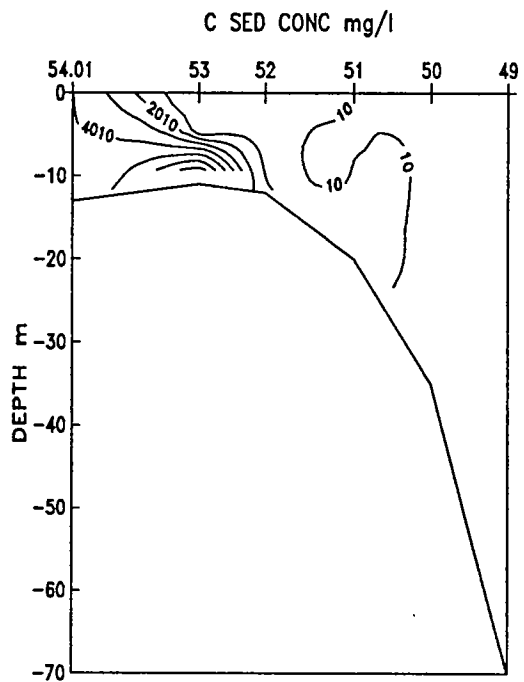
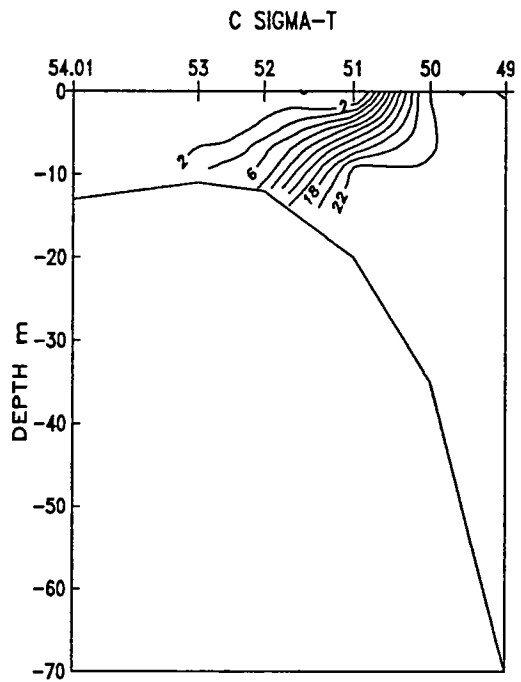
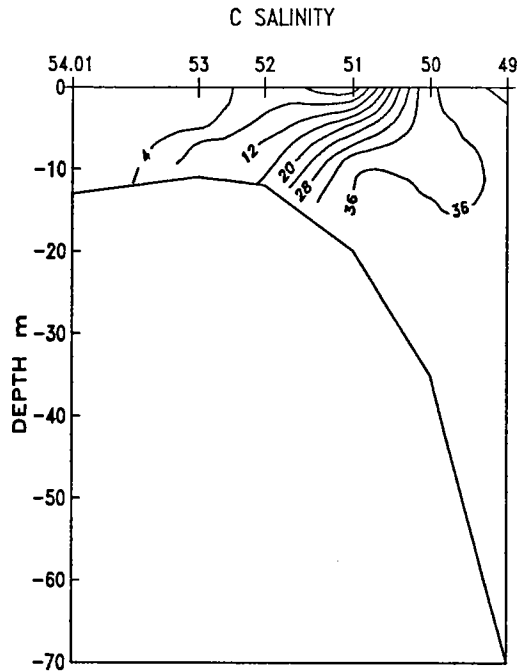
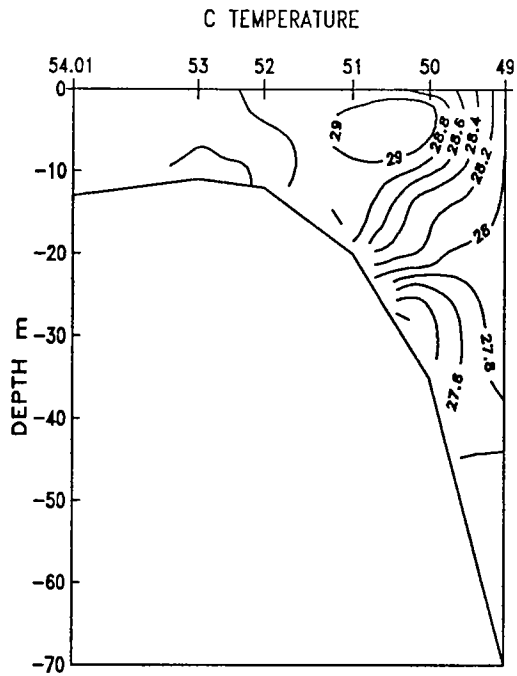


Bottom Oxygen ml/l Jun 8-10, 1990

E. Leg 4 – Section C — June 11–12, 1990
Stations 49 to 54.01



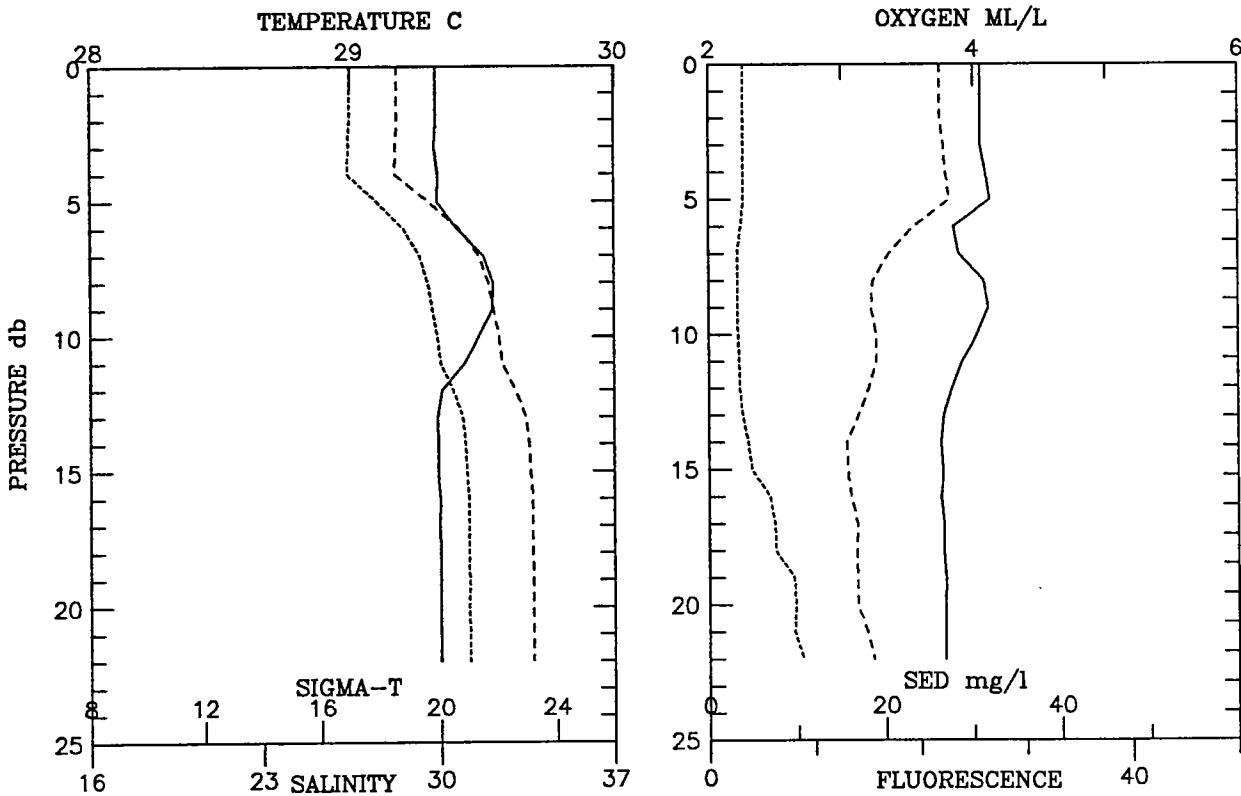




8. Station Listings and Profiles

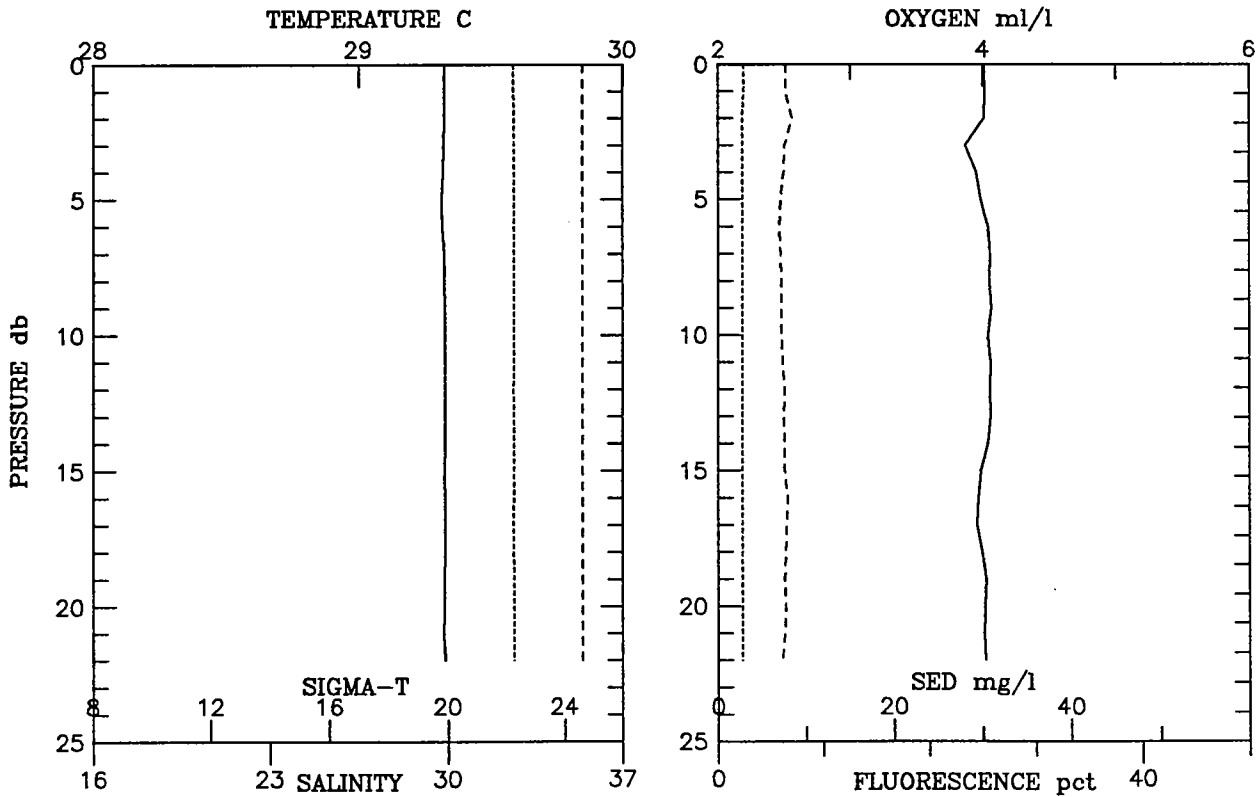
Cruise I9004 Leg 3 Station # 1 Depth m:26 Time: 1990-05-23 02:04
 Position: 0° 6.50'S 47° 47.10'W Depth Deck Offset: -0.17 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 29.321	28.339	16.969	0.0000	4.054	21.9	3.9
2.0	29.320	28.338	16.968	0.0214	4.054	21.9	3.9
4.0	29.326	28.265	16.912	0.0429	4.092	22.4	3.9
6.0	29.400	30.807	18.790	0.0626	3.848	19.3	3.6
8.0	29.535	31.945	19.597	0.0796	4.080	15.5	3.2
10.0	29.479	32.351	19.919	0.0957	4.028	15.8	3.3
12.0	29.342	33.002	20.453	0.1111	3.836	15.1	3.5
14.0	29.326	33.541	20.862	0.1253	3.752	13.0	4.4
16.0	29.333	33.689	20.971	0.1391	3.754	13.4	6.9
18.0	29.333	33.687	20.970	0.1529	3.775	13.9	7.5
20.0	29.334	33.703	20.981	0.1666	3.783	14.0	9.7
22.0	29.335	33.712	20.988	0.1803	3.783	15.5	10.6



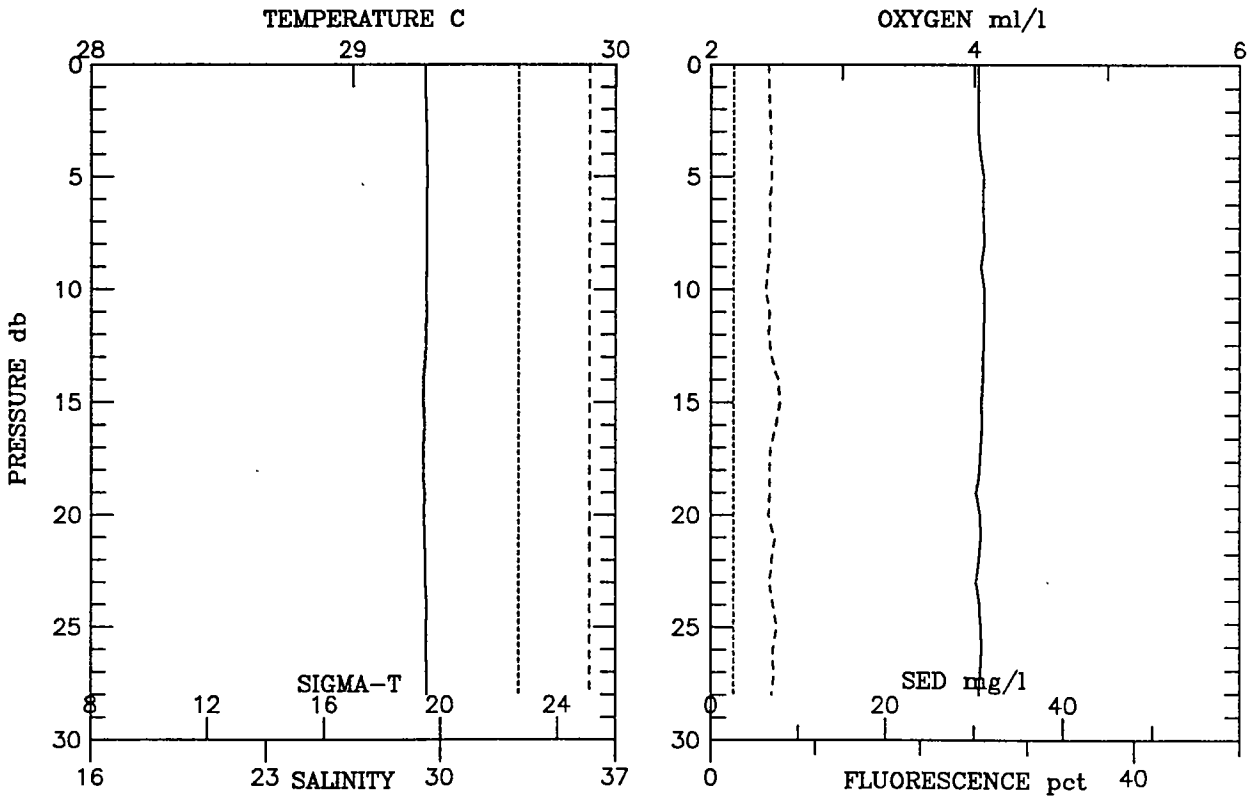
Cruise 19004 Leg 3 Station # 2 Depth m:24 Time: 1990-05-23 04:50
 Position: 0° 12.60'N 47° 34.20'W Depth Deck Offset: 0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	29.319	35.383	22.246	0.0000	4.016	6.4	2.9
2.0		29.319	35.384	22.247	0.0113	4.013	7.0	2.7
4.0		29.315	35.385	22.249	0.0225	3.955	6.2	2.7
6.0		29.312	35.386	22.251	0.0338	4.042	5.8	2.7
8.0		29.320	35.385	22.248	0.0451	4.051	6.0	2.7
10.0		29.323	35.385	22.247	0.0564	4.040	6.0	2.7
12.0		29.323	35.384	22.246	0.0677	4.054	6.3	2.7
14.0		29.321	35.384	22.247	0.0789	4.042	6.3	2.7
16.0		29.321	35.384	22.247	0.0902	3.970	6.6	2.7
18.0		29.322	35.383	22.246	0.1015	3.994	6.4	2.7
20.0		29.319	35.385	22.248	0.1128	4.018	6.4	2.7
22.0		29.323	35.385	22.247	0.1241	4.019	6.1	2.7



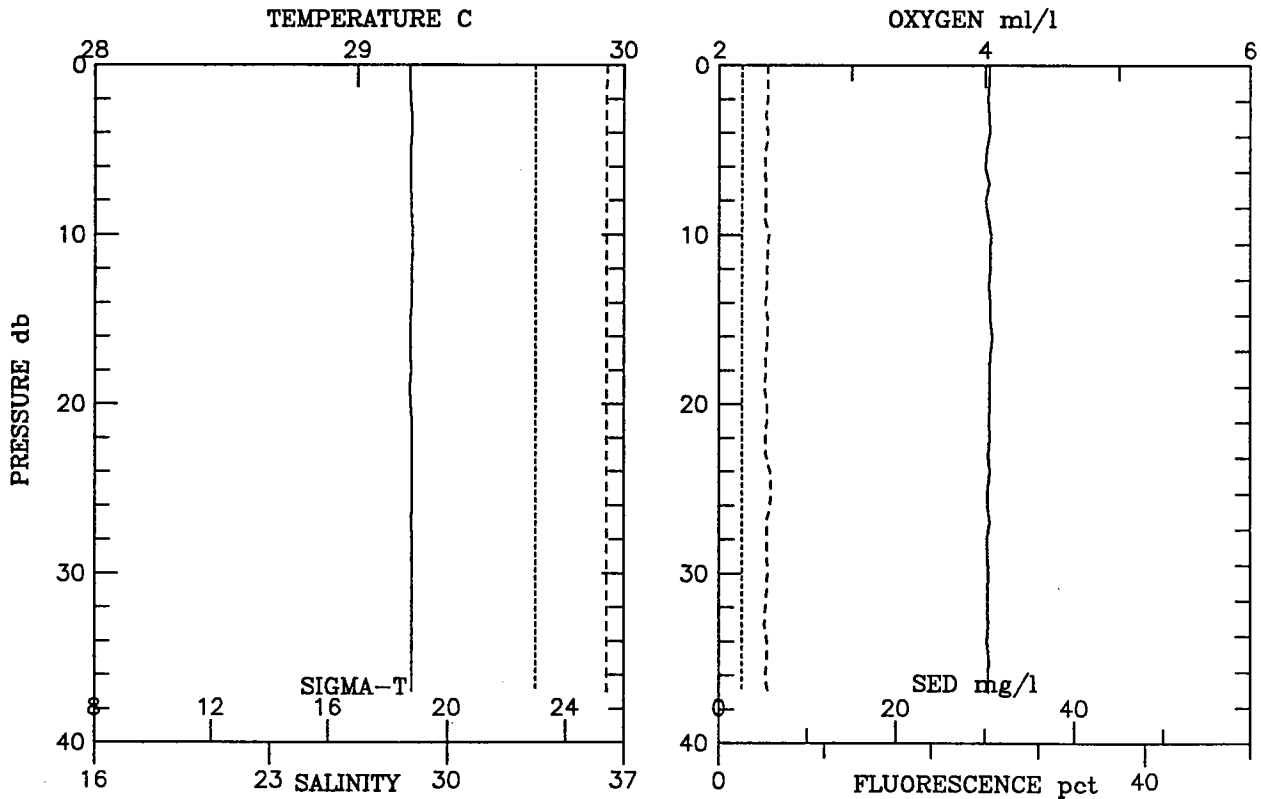
Cruise I9004 Leg 3 Station # 3 Depth m:35 Time: 1990-05-23 07:07
 Position: 0° 19.10'N 47° 21.50'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	29.275	35.932	22.674	0.0000	4.030	5.5	2.6
2.0		29.278	35.932	22.673	0.0105	4.031	5.6	2.6
4.0		29.282	35.931	22.671	0.0209	4.044	5.7	2.6
6.0		29.282	35.931	22.671	0.0314	4.062	5.6	2.6
8.0		29.281	35.932	22.672	0.0419	4.072	5.6	2.6
10.0		29.279	35.932	22.673	0.0523	4.072	5.2	2.6
12.0		29.279	35.933	22.673	0.0628	4.068	5.5	2.6
14.0		29.270	35.934	22.677	0.0733	4.063	6.4	2.6
16.0		29.272	35.933	22.675	0.0837	4.058	6.2	2.6
18.0		29.269	35.934	22.677	0.0942	4.038	5.6	2.6
20.0		29.272	35.932	22.675	0.1047	4.047	5.5	2.6
22.0		29.275	35.933	22.674	0.1152	4.036	5.8	2.6
24.0		29.280	35.933	22.673	0.1256	4.042	5.9	2.6
26.0		29.279	35.933	22.673	0.1361	4.053	5.9	2.6
28.0		29.280	35.932	22.672	0.1466	4.036	5.8	2.6



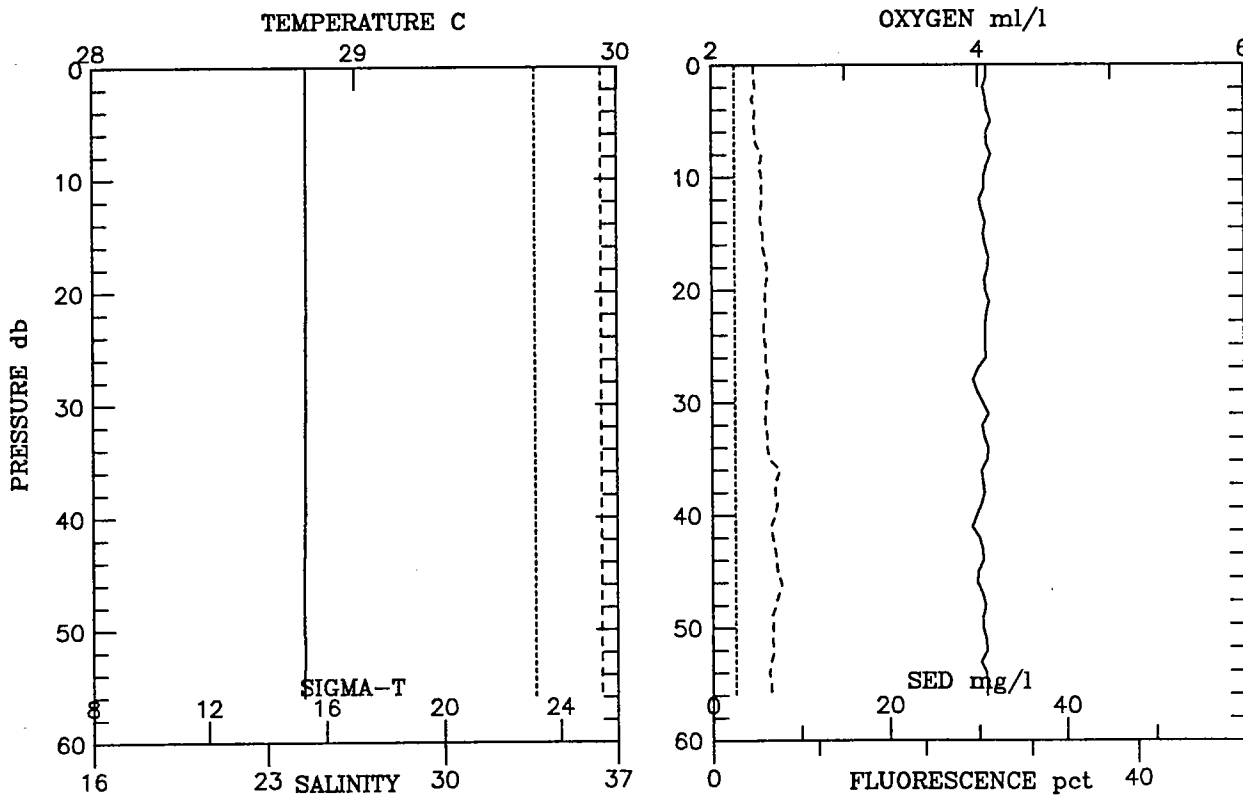
Cruise 19004 Leg 3 Station # 4 Depth m:40 Time: 1990-05-23 09:27
 Position: 0° 32.30'N 47° 8.30'W Depth Deck Offset: 0.00 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	29.193	36.309	22.985	0.0000	4.029	4.6	2.6
2.0		29.195	36.308	22.983	0.0099	4.020	4.6	2.6
4.0		29.200	36.307	22.981	0.0197	4.033	4.6	2.6
6.0		29.197	36.307	22.982	0.0296	4.002	4.3	2.6
8.0		29.199	36.307	22.981	0.0395	4.006	4.4	2.6
10.0		29.202	36.306	22.979	0.0494	4.043	4.7	2.6
12.0		29.201	36.307	22.981	0.0592	4.038	4.5	2.6
14.0		29.201	36.307	22.981	0.0691	4.039	4.4	2.6
16.0		29.195	36.308	22.983	0.0790	4.054	4.6	2.6
18.0		29.198	36.307	22.982	0.0889	4.035	4.4	2.6
20.0		29.196	36.308	22.983	0.0988	4.035	4.5	2.6
22.0		29.201	36.308	22.982	0.1087	4.036	4.4	2.6
24.0		29.200	36.308	22.982	0.1186	4.033	4.8	2.6
26.0		29.200	36.307	22.981	0.1285	4.020	4.8	2.6
28.0		29.201	36.308	22.981	0.1384	4.015	4.5	2.6
30.0		29.201	36.308	22.981	0.1483	4.025	4.6	2.6
32.0		29.201	36.308	22.981	0.1582	4.021	4.4	2.6
34.0		29.201	36.308	22.981	0.1681	4.014	4.5	2.6
36.0		29.202	36.308	22.981	0.1780	4.024	4.4	2.6
37.0		29.200	36.309	22.983	0.1829	4.023	4.6	2.6



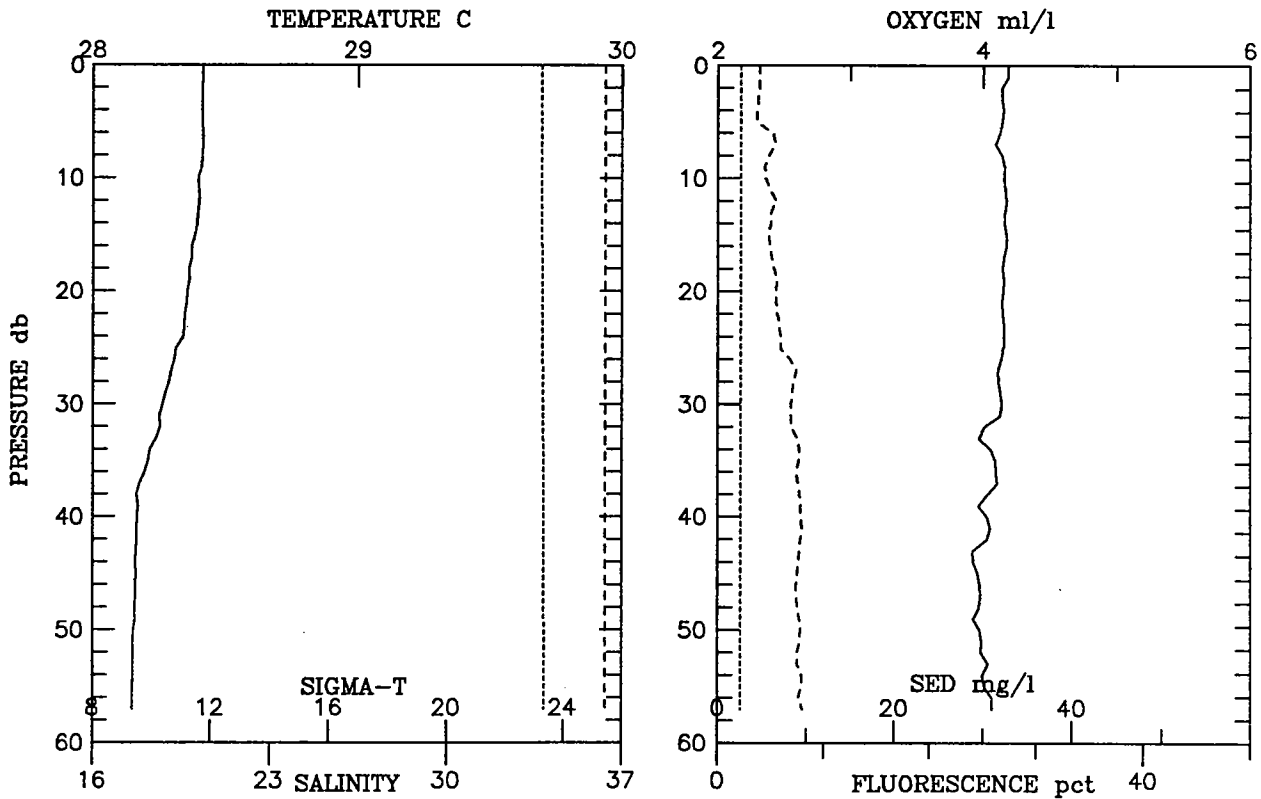
Cruise 19004 Leg 3 Station # 5 Depth m:59 Time: 1990-05-23 11:23
 Position: 0° 44.90'N 46° 57.60'W Depth Deck Offset: 0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.816	36.346	23.139	0.0000	4.064	4.0	2.6
5.0		28.816	36.345	23.138	0.0239	4.099	4.0	2.6
10.0		28.815	36.344	23.138	0.0479	4.047	4.7	2.6
15.0		28.814	36.345	23.139	0.0718	4.038	4.8	2.6
20.0		28.815	36.344	23.138	0.0958	4.052	5.0	2.6
25.0		28.813	36.344	23.138	0.1198	4.056	5.1	2.6
30.0		28.814	36.345	23.139	0.1438	4.036	5.1	2.6
35.0		28.810	36.345	23.140	0.1678	4.070	5.4	2.6
40.0		28.810	36.344	23.139	0.1918	3.989	5.9	2.6
45.0		28.806	36.345	23.141	0.2158	3.995	6.1	2.6
50.0		28.807	36.346	23.142	0.2398	4.029	5.7	2.6
55.0		28.806	36.345	23.141	0.2639	4.060	5.5	2.6
56.0		28.806	36.345	23.141	0.2687	4.060	5.5	2.6



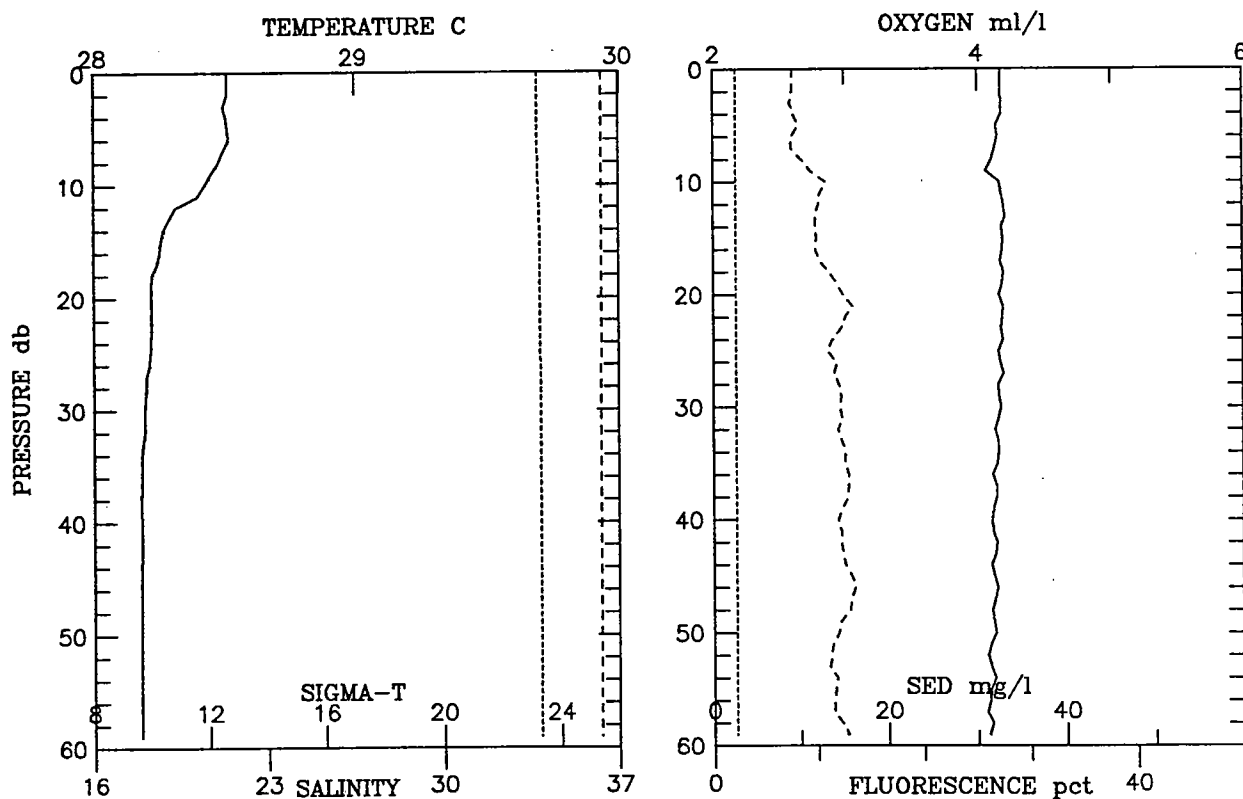
Cruise I9004 Leg 3 Station # 6 Depth m:60 Time: 1990-05-23 12:49
 Position: 0° 54.10'N 46° 47.10'W Depth Deck Offset: 0.00 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.415	36.333	23.263	0.0000	4.188	3.9	2.6
5.0		28.413	36.333	23.264	0.0233	4.143	3.7	2.6
10.0		28.399	36.332	23.268	0.0467	4.158	4.5	2.6
15.0		28.386	36.331	23.271	0.0700	4.175	4.8	2.6
20.0		28.358	36.328	23.278	0.0933	4.153	5.5	2.6
25.0		28.314	36.327	23.292	0.1166	4.153	5.9	2.6
30.0		28.264	36.323	23.305	0.1399	4.144	6.9	2.6
35.0		28.209	36.323	23.324	0.1631	4.093	7.6	2.6
40.0		28.169	36.322	23.336	0.1861	4.030	7.8	2.6
45.0		28.164	36.322	23.338	0.2092	3.964	7.5	2.6
50.0		28.156	36.323	23.341	0.2323	3.977	7.8	2.6
55.0		28.152	36.323	23.343	0.2554	4.012	7.9	2.6
57.0		28.150	36.322	23.342	0.2646	4.069	8.0	2.6



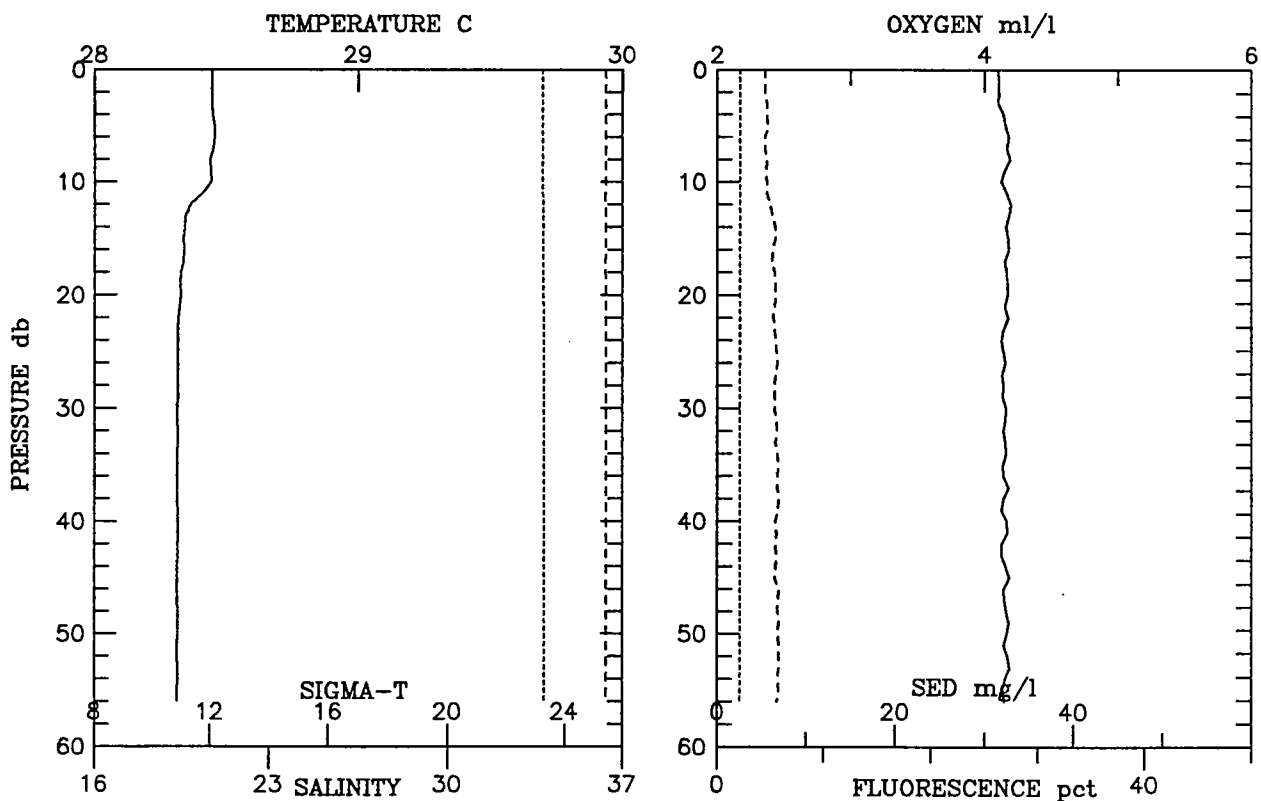
Cruise 19004 Leg 3 Station # 7 Depth m:62 Time: 1990-05-23 18:53
 Position: 1° 41.50'N 47° 37.00'W Depth Deck Offset: 0.00 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.514	36.298	23.204	0.0000	4.176	7.6	2.6
5.0	28.517	36.300	23.204	0.0236	4.140	8.2	2.6
10.0	28.428	36.293	23.229	0.0472	4.165	10.8	2.6
15.0	28.260	36.288	23.280	0.0706	4.192	9.9	2.6
20.0	28.223	36.287	23.292	0.0938	4.162	12.4	2.6
25.0	28.220	36.287	23.293	0.1171	4.159	10.9	2.6
30.0	28.196	36.286	23.300	0.1403	4.175	12.1	2.6
35.0	28.185	36.284	23.302	0.1636	4.145	12.6	2.6
40.0	28.184	36.285	23.303	0.1868	4.108	11.9	2.6
45.0	28.183	36.284	23.303	0.2101	4.124	13.2	2.6
50.0	28.182	36.285	23.304	0.2333	4.131	11.9	2.6
55.0	28.183	36.285	23.304	0.2566	4.092	11.6	2.6
59.0	28.183	36.284	23.303	0.2705	4.087	12.7	2.6



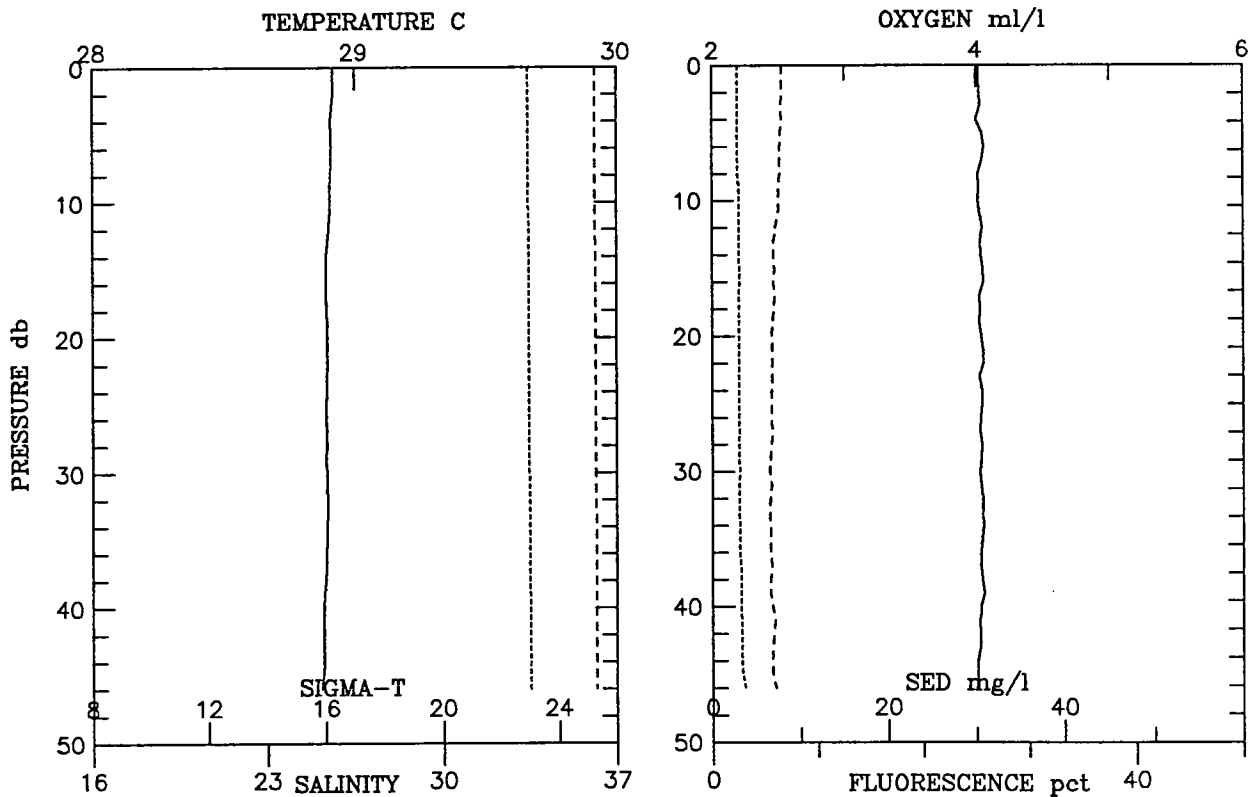
Cruise 19004 Leg 3 Station # 8 Depth m:55 Time: 1990-05-23 20:45
 Position: 1° 30.50'N 47° 47.70'W Depth Deck Offset: 0.15 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.451	36.313	23.236	0.0000	4.105	4.5	2.6
5.0		28.461	36.313	23.233	0.0235	4.157	4.8	2.6
10.0		28.448	36.312	23.236	0.0470	4.128	4.7	2.6
15.0		28.344	36.310	23.269	0.0703	4.175	5.5	2.6
20.0		28.334	36.310	23.273	0.0937	4.172	5.5	2.6
25.0		28.321	36.310	23.277	0.1170	4.141	5.6	2.6
30.0		28.320	36.311	23.277	0.1403	4.162	5.4	2.6
35.0		28.319	36.311	23.278	0.1637	4.136	5.8	2.6
40.0		28.320	36.310	23.277	0.1871	4.164	5.5	2.6
45.0		28.319	36.310	23.278	0.2104	4.185	5.4	2.6
50.0		28.321	36.310	23.277	0.2338	4.166	5.7	2.6
55.0		28.320	36.310	23.277	0.2572	4.134	5.8	2.6
56.0		28.320	36.310	23.277	0.2619	4.147	5.6	2.6



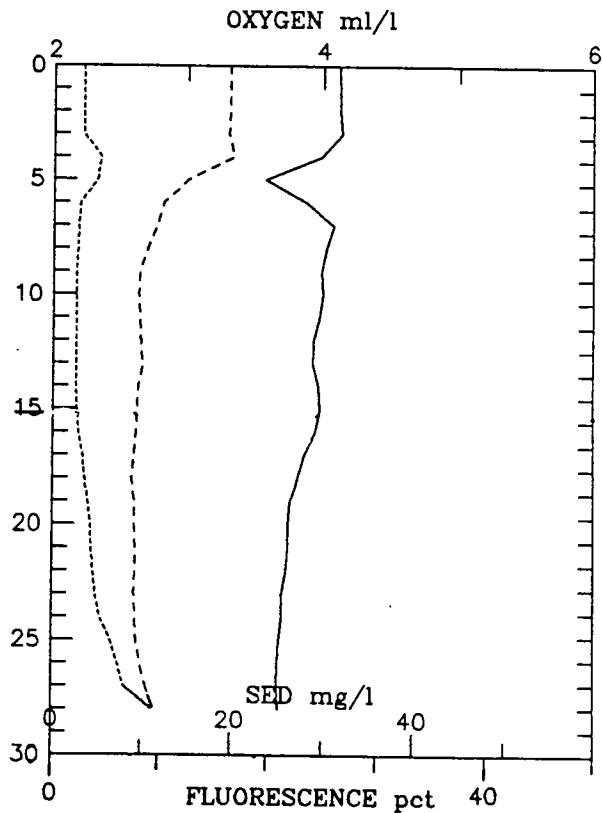
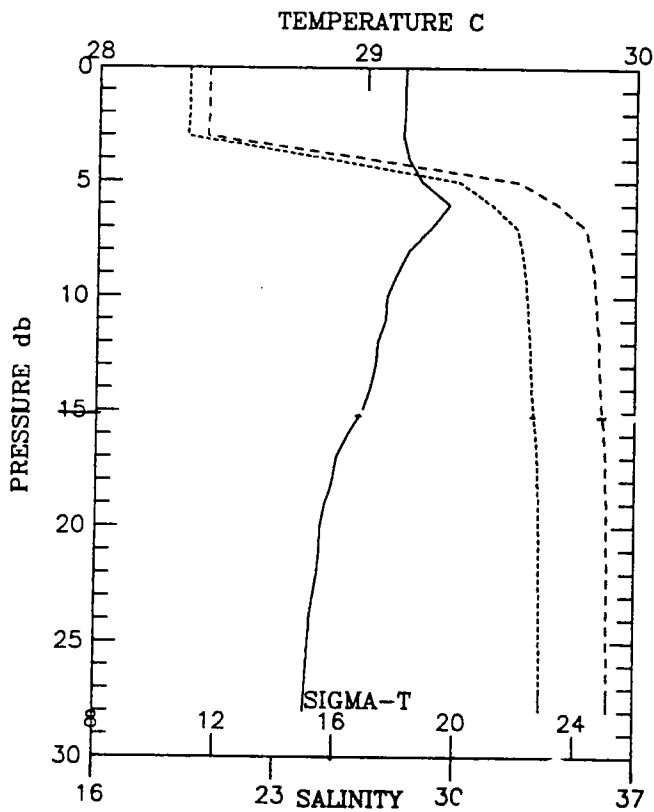
Cruise 19004 Leg 3 Station # 9 Depth m:49 Time: 1990-05-23 22:49
 Position: 1° 18.96'N 48° 1.30'W Depth Deck Offset: -0.15 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.917	36.122	22.937	0.0000	4.022	6.6
5.0		28.909	36.124	22.941	0.0249	4.044	6.5
10.0		28.904	36.128	22.946	0.0498	4.017	6.3
15.0		28.891	36.138	22.958	0.0746	4.050	5.9
20.0		28.896	36.148	22.964	0.0994	4.038	5.6
25.0		28.892	36.149	22.966	0.1243	4.047	5.6
30.0		28.892	36.150	22.966	0.1491	4.032	5.4
35.0		28.893	36.161	22.974	0.1739	4.046	5.5
40.0		28.881	36.173	22.987	0.1987	4.033	5.7
45.0		28.879	36.173	22.988	0.2234	4.011	5.7
46.0		28.870	36.174	22.992	0.2284	4.005	6.0



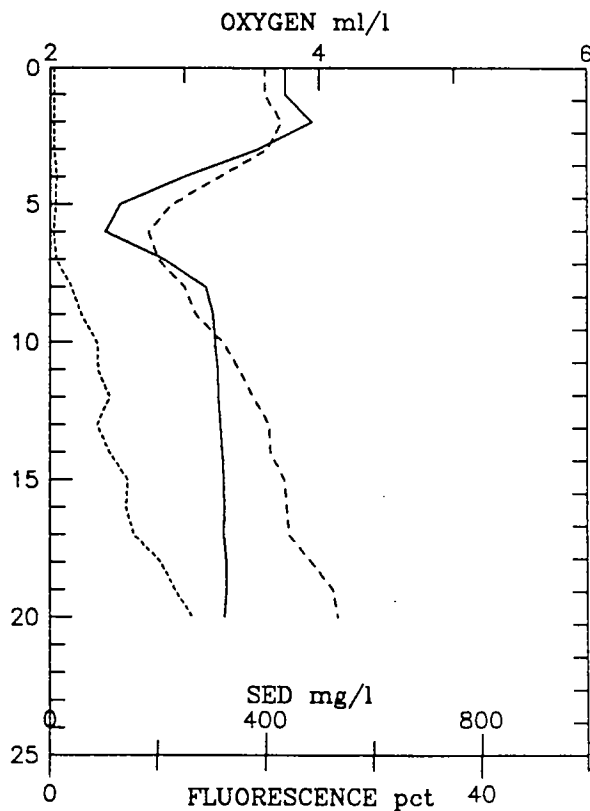
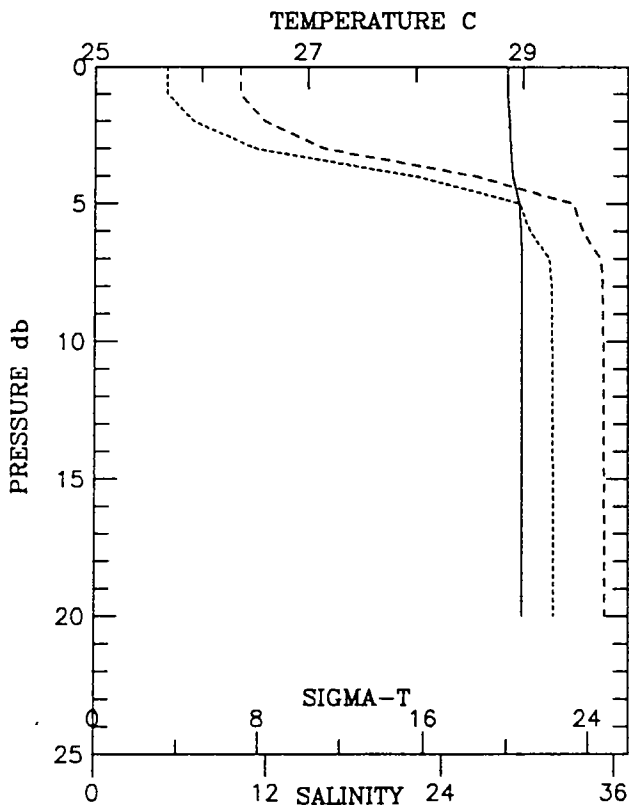
Cruise I9004 Leg 3 Station # 10 Depth m:32 Time: 1990-05-24 01:13
 Position: 1° 10.40'N 48° 12.10'W Depth Deck Offset: -0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	29.139	20.277	11.010	0.0000	4.119	16.4	3.3
2.0		29.139	20.277	11.010	0.0330	4.120	16.4	3.3
4.0		29.153	26.541	15.680	0.0638	3.988	16.8	5.3
6.0		29.307	33.982	21.200	0.0808	3.882	10.3	3.0
8.0		29.156	35.239	22.193	0.0928	4.024	8.8	2.7
10.0		29.077	35.442	22.372	0.1040	4.003	8.0	2.6
12.0		29.044	35.577	22.485	0.1150	3.932	8.2	2.6
14.0		29.017	35.642	22.543	0.1258	3.974	8.0	2.6
16.0		28.935	35.804	22.692	0.1363	3.946	7.8	2.9
18.0		28.879	35.876	22.765	0.1467	3.820	7.4	3.6
20.0		28.835	35.923	22.815	0.1570	3.756	7.7	4.3
22.0		28.824	35.931	22.825	0.1672	3.738	7.8	4.6
24.0		28.798	35.952	22.849	0.1773	3.709	7.8	5.4
26.0		28.788	35.960	22.859	0.1875	3.682	8.3	7.4
28.0		28.779	35.966	22.866	0.1976	3.685	9.6	11.4
28.0		28.779	35.966	22.866	0.1646	3.685	9.5	11.2



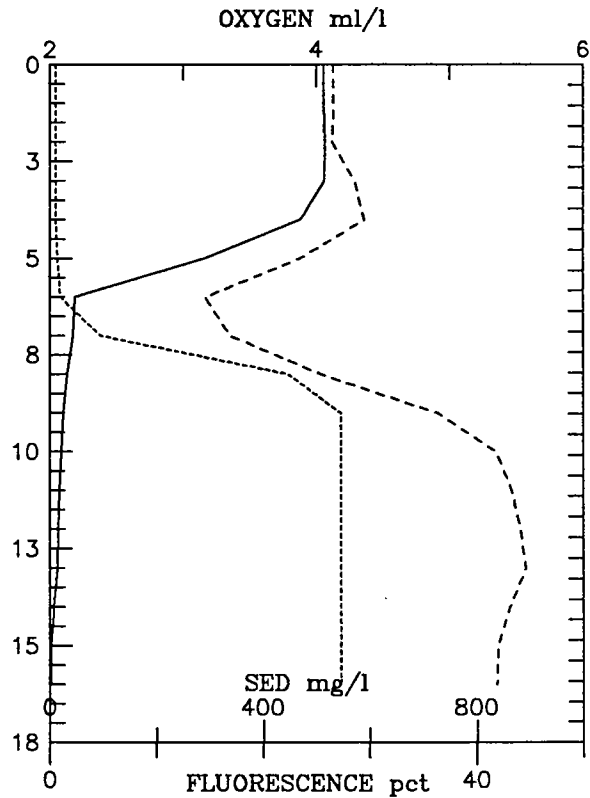
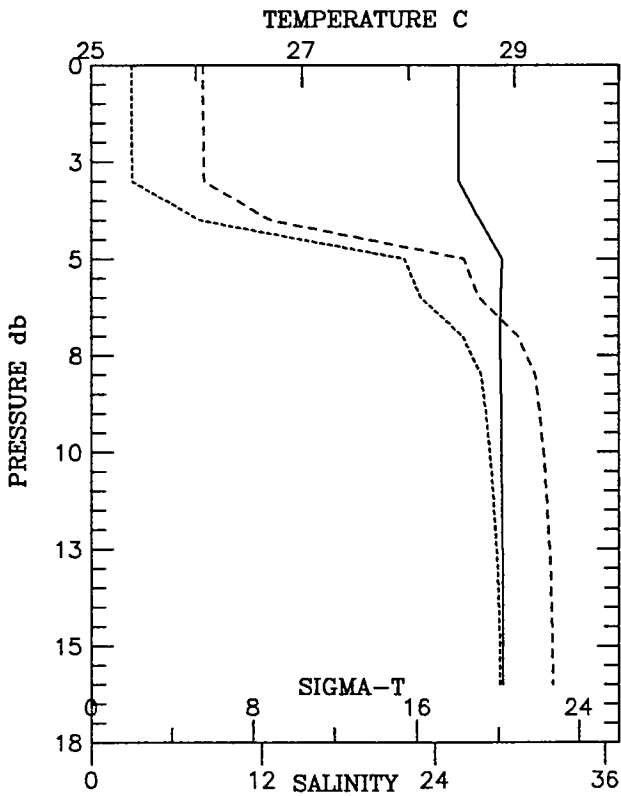
Cruise 19004 Leg 3 Station # 11 Depth m:24 Time: 1990-05-24 03:55
 Position: 1° 3.57'N 48° 15.95'W Depth Deck Offset: -0.15 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.857	10.092	3.516	0.0000	3.748	20.0	6.4
2.0		28.873	11.811	4.790	0.0472	3.947	21.5	6.4
4.0		28.903	26.225	15.525	0.0841	3.000	15.8	11.7
6.0		28.984	33.775	21.152	0.1007	2.415	9.2	6.3
8.0		28.989	35.191	22.214	0.1126	3.162	12.6	40.1
10.0		28.989	35.238	22.249	0.1240	3.231	16.1	88.1
12.0		28.990	35.264	22.268	0.1352	3.253	18.9	111.5
14.0		28.990	35.270	22.273	0.1465	3.283	20.5	111.5
16.0		28.990	35.285	22.284	0.1577	3.299	22.0	142.0
18.0		28.991	35.307	22.300	0.1689	3.310	24.3	206.4
20.0		28.990	35.311	22.303	0.1801	3.299	26.7	264.8



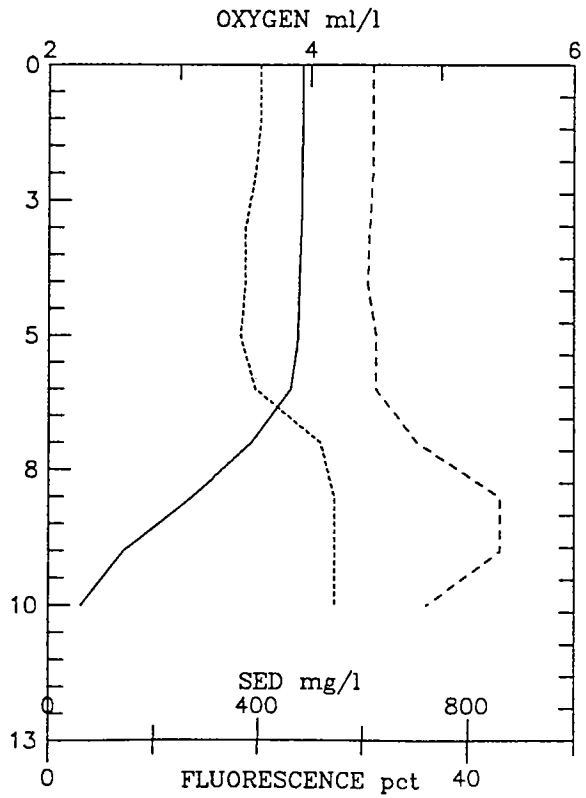
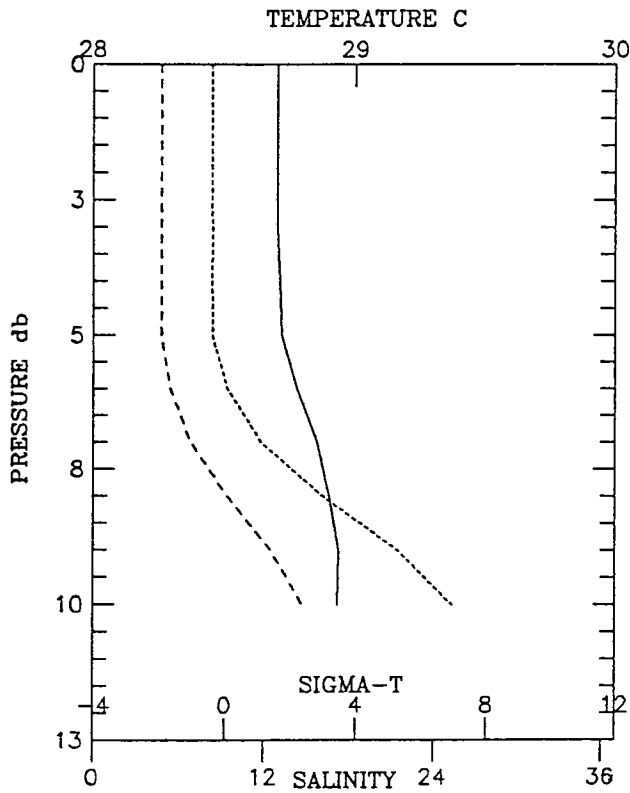
Cruise 19004 Leg 3 Station # 12 Depth m:19 Time: 1990-05-24 05:43
 Position: 0° 58.03'N 48° 21.64'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.467	7.921	2.018	0.0000	4.054	26.6	10.8
1.0		28.466	7.921	2.018	0.0254	4.054	26.6	10.8
2.0		28.469	7.936	2.028	0.0508	4.062	26.5	10.5
3.0		28.469	7.973	2.056	0.0761	4.061	28.6	10.3
4.0		28.671	12.611	5.448	0.0998	3.880	29.5	10.8
5.0		28.882	26.035	15.390	0.1169	3.160	23.5	13.6
6.0		28.870	27.087	16.180	0.1288	2.189	14.6	19.5
7.0		28.864	29.825	18.231	0.1392	2.174	16.9	94.4
8.0		28.871	31.037	19.137	0.1483	2.130	25.4	446.9
9.0		28.875	31.374	19.388	0.1568	2.099	36.4	545.5
10.0		28.878	31.635	19.583	0.1651	2.087	41.8	545.5
11.0		28.881	31.843	19.737	0.1732	2.071	43.3	545.5
12.0		28.883	31.987	19.844	0.1812	2.061	44.1	545.5
13.0		28.885	32.153	19.968	0.1891	2.057	44.6	545.5
14.0		28.886	32.212	20.012	0.1969	2.024	43.1	545.5
15.0		28.887	32.269	20.055	0.2047	2.007	42.0	545.5
16.0		28.887	32.289	20.070	0.2124	2.006	41.9	545.5



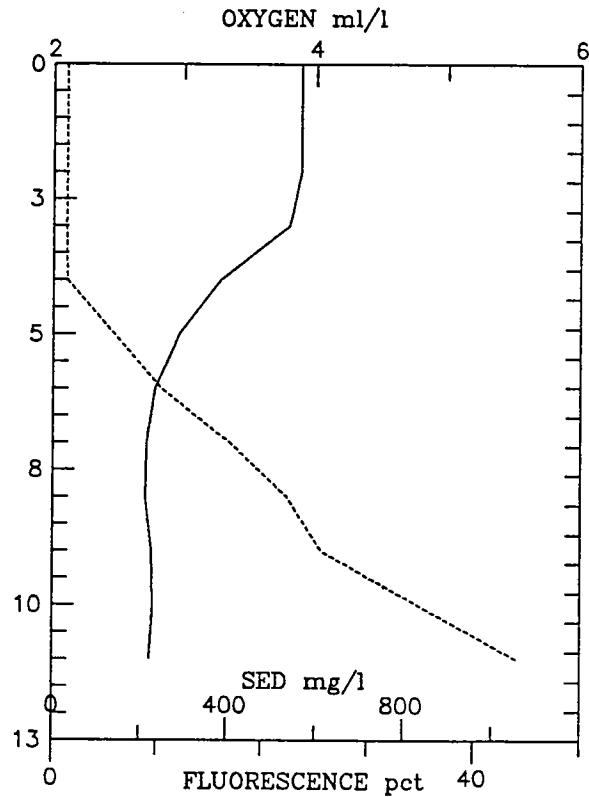
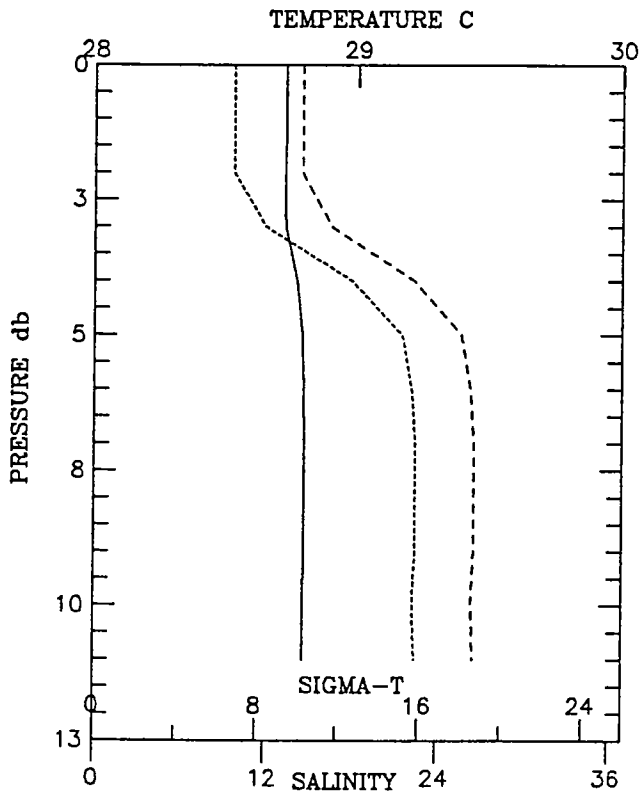
Cruise I9004 Leg 3 Station # 13 Depth m:14 Time: 1990-05-24 08:14
 Position: 0° 43.80'N 48° 32.40'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.701	4.788	-0.386	0.0000	3.939	31.0	404.5
1.0		28.701	4.788	-0.386	0.0278	3.939	31.0	404.5
2.0		28.701	4.791	-0.383	0.0556	3.934	31.0	394.5
3.0		28.701	4.799	-0.377	0.0833	3.928	30.7	375.4
4.0		28.709	4.800	-0.379	0.1111	3.914	30.5	375.4
5.0		28.719	4.808	-0.376	0.1389	3.904	31.3	366.1
6.0		28.777	5.451	0.086	0.1664	3.850	31.3	394.5
7.0		28.855	6.866	1.116	0.1932	3.548	35.3	519.0
8.0		28.899	9.436	3.015	0.2186	3.100	43.0	545.5
9.0		28.938	12.524	5.301	0.2418	2.569	43.0	545.5
10.0		28.932	14.756	6.964	0.2631	2.244	36.1	545.5



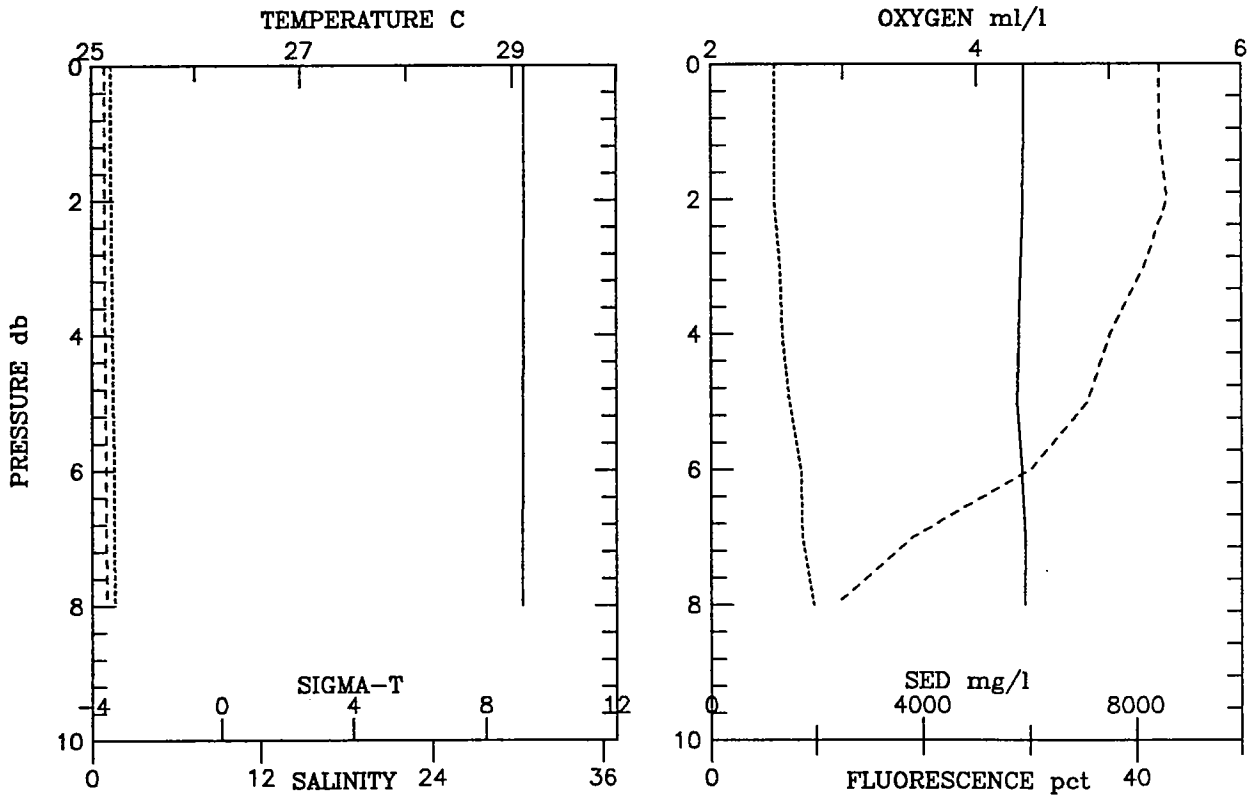
Cruise 19004 Leg 3 Station # 14 Depth m:13 Time: 1990-05-24 12:22
 Position: 1° 11.10'N 48° 48.05'W Depth Deck Offset: 0.35 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.724	14.564	6.885	0.0000	3.889	0.0	30.7
1.0	E	28.724	14.563	6.884	0.0206	3.890	0.0	30.7
2.0		28.724	14.563	6.884	0.0411	3.890	0.0	30.7
3.0		28.724	16.677	8.458	0.0609	3.802	0.0	28.8
4.0		28.769	22.432	12.735	0.0778	3.285	0.0	31.8
5.0		28.792	25.723	15.186	0.0915	2.966	0.0	140.1
6.0		28.796	26.357	15.658	0.1037	2.783	0.0	248.8
7.0		28.797	26.594	15.835	0.1156	2.720	0.0	405.8
8.0		28.797	26.595	15.835	0.1274	2.712	0.0	537.2
9.0		28.798	26.586	15.829	0.1392	2.759	0.0	613.2
10.0		28.796	26.439	15.719	0.1511	2.770	0.0	835.6
11.0		28.796	26.582	15.826	0.1630	2.745	0.0	1056.5



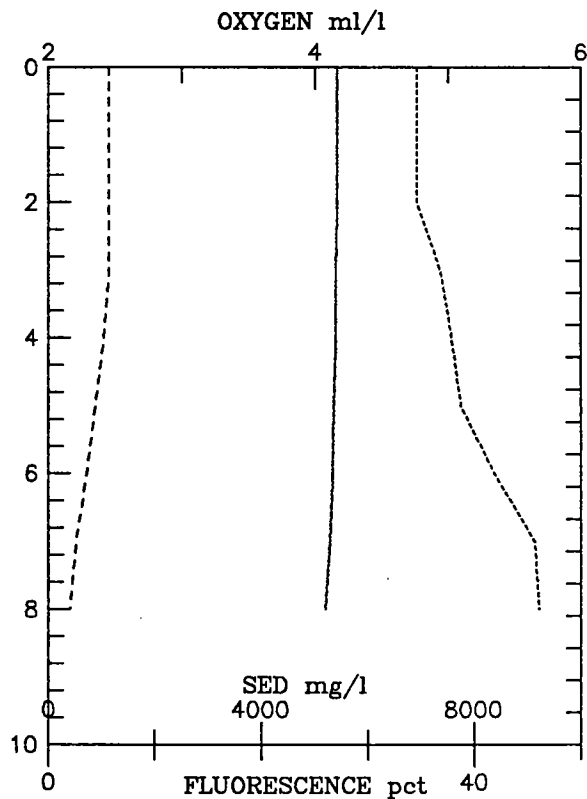
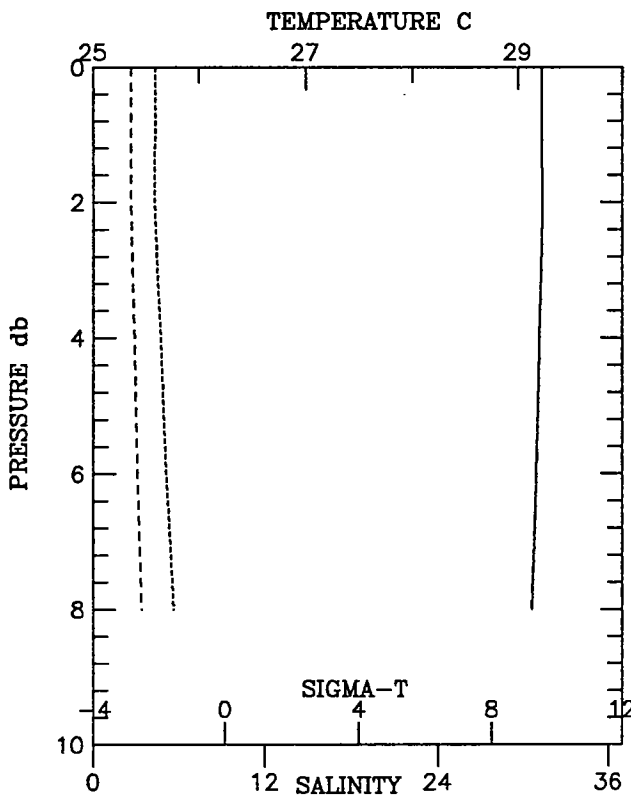
Cruise I9004 Leg 3 Station # 15 Depth m:11 Time: 1990-05-24 17:21
 Position: 1° 30.40'N 49° 22.20'W Depth Deck Offset: 0.30 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	29.110	0.929	-3.387	0.0000	4.356	42.2	1204.7
1.0	E	29.110	0.929	-3.387	0.0308	4.357	42.2	1204.7
2.0		29.109	0.929	-3.387	0.0616	4.344	42.9	1204.7
3.0		29.107	0.950	-3.370	0.0924	4.328	40.7	1310.4
4.0		29.104	0.976	-3.350	0.1231	4.317	37.5	1354.0
5.0		29.102	0.996	-3.334	0.1539	4.304	35.4	1489.8
6.0		29.097	1.043	-3.298	0.1846	4.340	30.0	1710.6
7.0		29.097	1.054	-3.289	0.2153	4.364	19.0	1739.6
8.0		29.097	1.060	-3.285	0.2460	4.358	11.8	1960.7



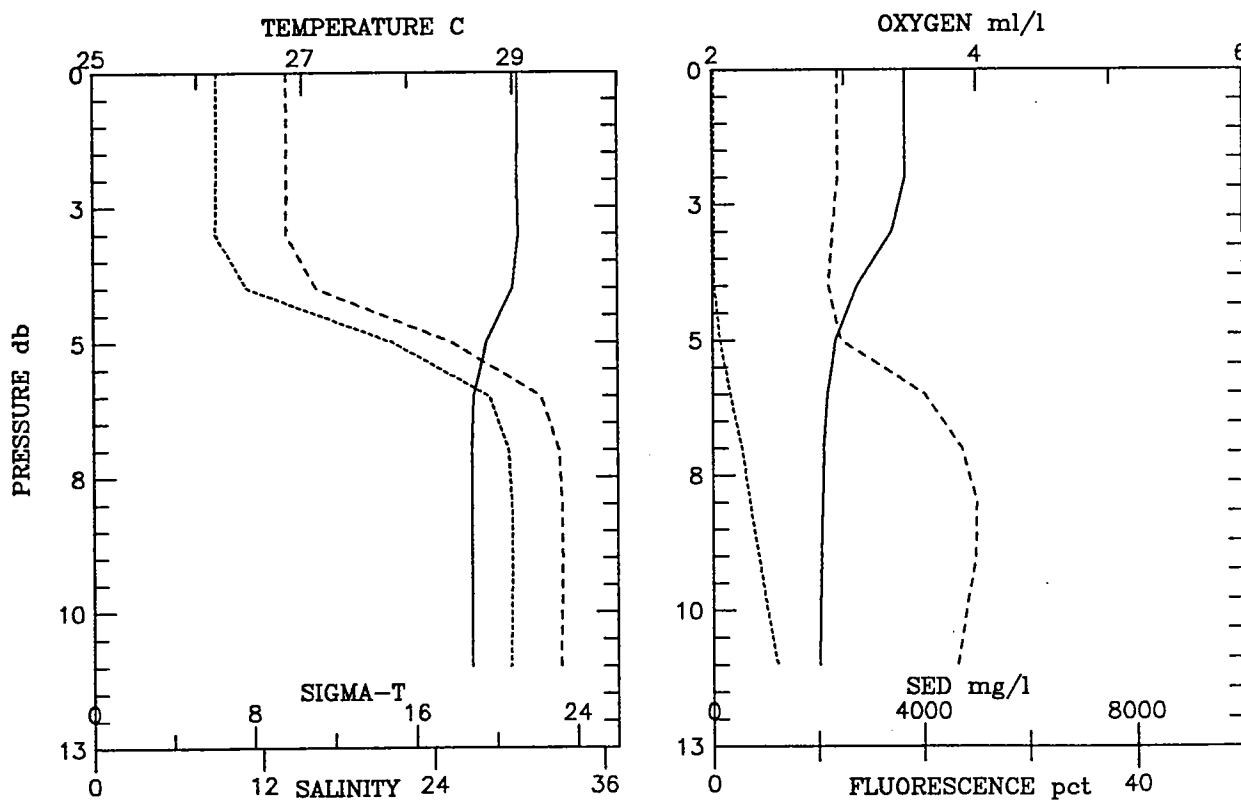
Cruise I9004 Leg 3 Station # 16 Depth m:10 Time: 1990-05-24 18:39
 Position: 1° 39.26'N 49° 11.82'W Depth Deck Offset: 0.00 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	29.230	2.670	-2.122	0.0000	4.166	5.7	6916.8
1.0		29.230	2.670	-2.122	0.0295	4.166	5.7	6916.8
2.0		29.232	2.657	-2.132	0.0590	4.167	5.7	6923.3
3.0		29.219	2.758	-2.053	0.0885	4.159	5.7	7359.0
4.0		29.202	2.899	-1.942	0.1179	4.159	5.2	7571.0
5.0		29.188	2.995	-1.867	0.1472	4.142	4.4	7745.8
6.0		29.174	3.108	-1.778	0.1765	4.134	3.6	8378.0
7.0		29.153	3.262	-1.657	0.2056	4.115	2.6	9137.4
8.0		29.132	3.399	-1.549	0.2346	4.080	2.0	9212.8



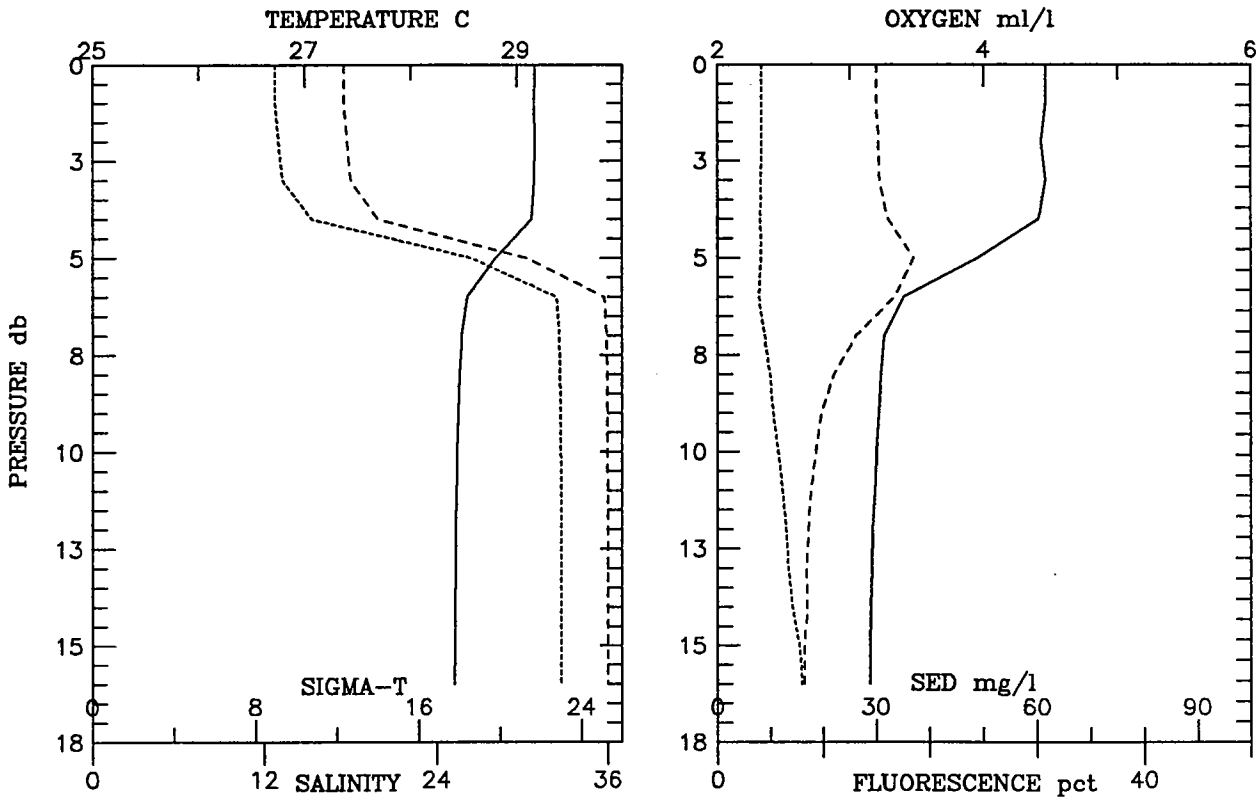
Cruise 19004 Leg 3 Station # 17 Depth m:15 Time: 1990-05-24 21:44
 Position: 1° 55.15'N 48° 57.82'W Depth Deck Offset: 0.00 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 29.048	13.739	6.171	0.0000	3.464	11.9	28.5
1.0	E 29.048	13.739	6.171	0.0213	3.465	11.9	28.5
2.0	29.048	13.738	6.170	0.0425	3.462	11.9	28.5
3.0	29.055	13.691	6.133	0.0638	3.362	11.4	28.7
4.0	28.998	15.773	7.700	0.0843	3.098	11.0	32.0
5.0	28.749	25.313	14.893	0.1006	2.934	12.2	136.8
6.0	28.630	31.598	19.637	0.1110	2.872	20.1	329.5
7.0	28.611	32.850	20.581	0.1187	2.844	23.6	548.1
8.0	28.608	33.055	20.736	0.1259	2.833	25.0	703.3
9.0	28.608	33.086	20.760	0.1330	2.824	24.9	863.1
10.0	28.608	33.039	20.724	0.1400	2.813	24.0	1031.3
11.0	28.608	32.969	20.672	0.1472	2.807	23.2	1218.9



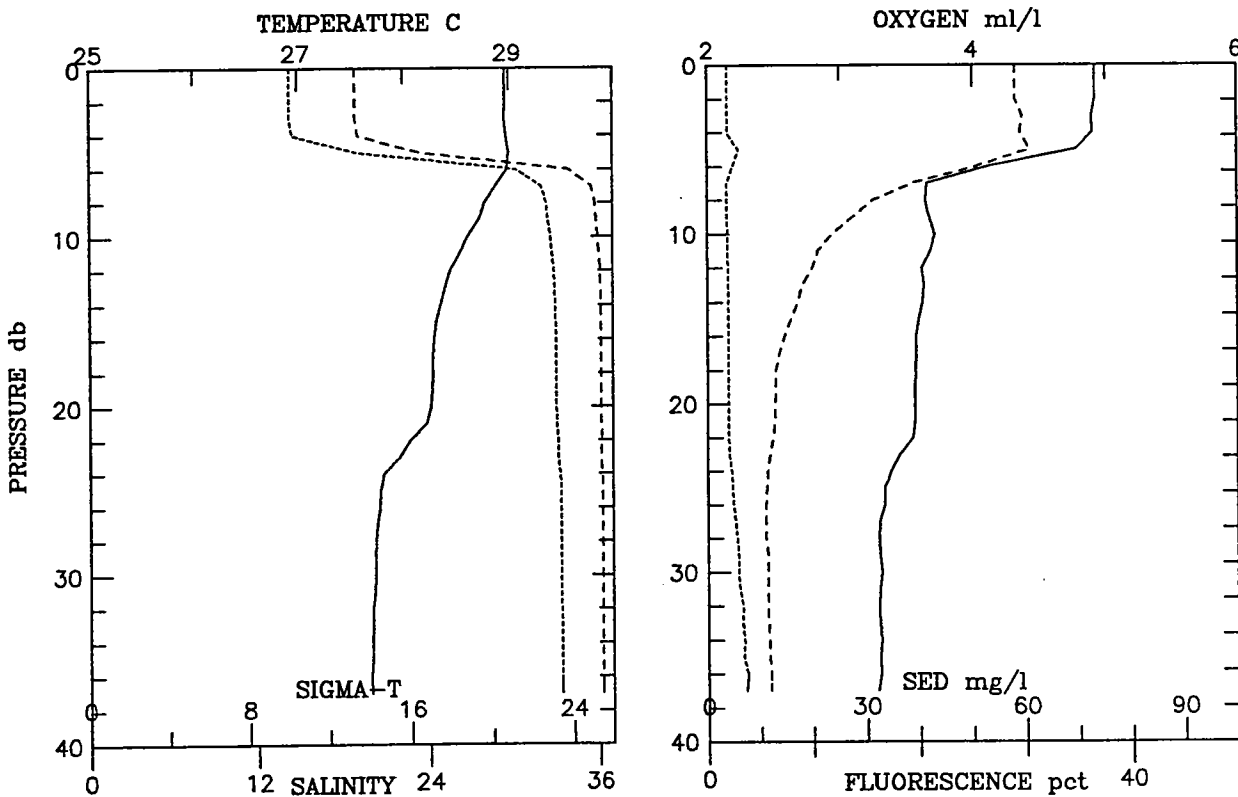
Cruise 19004 Leg 3 Station # 18 Depth m:21 Time: 1990-05-25 00:46
 Position: 2° 4.30'N 48° 52.50'W Depth Deck Offset: 0.00 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	29.170	17.547	8.967	0.0000	4.459	15.0	8.3
1.0		29.170	17.547	8.967	0.0185	4.460	15.0	8.3
2.0		29.172	17.756	9.122	0.0369	4.427	15.2	8.3
3.0		29.169	18.025	9.324	0.0552	4.463	15.3	8.2
4.0		29.143	19.947	10.763	0.0727	4.409	16.1	8.1
5.0		28.801	30.339	18.637	0.0856	3.958	18.5	8.2
6.0		28.538	35.729	22.768	0.0927	3.402	16.7	7.8
7.0		28.483	35.880	22.899	0.0978	3.259	13.1	8.9
8.0		28.462	35.921	22.937	0.1028	3.236	11.0	9.9
9.0		28.454	35.937	22.952	0.1078	3.219	9.8	10.5
10.0		28.441	35.954	22.969	0.1127	3.199	9.3	11.5
11.0		28.430	35.967	22.982	0.1177	3.190	8.8	12.3
12.0		28.426	35.970	22.986	0.1226	3.170	8.6	13.0
13.0		28.424	35.974	22.990	0.1276	3.166	8.4	13.4
14.0		28.421	35.977	22.993	0.1325	3.157	8.5	14.2
15.0		28.419	35.977	22.994	0.1374	3.151	8.2	15.5
16.0		28.413	35.985	23.002	0.1424	3.151	8.2	16.0



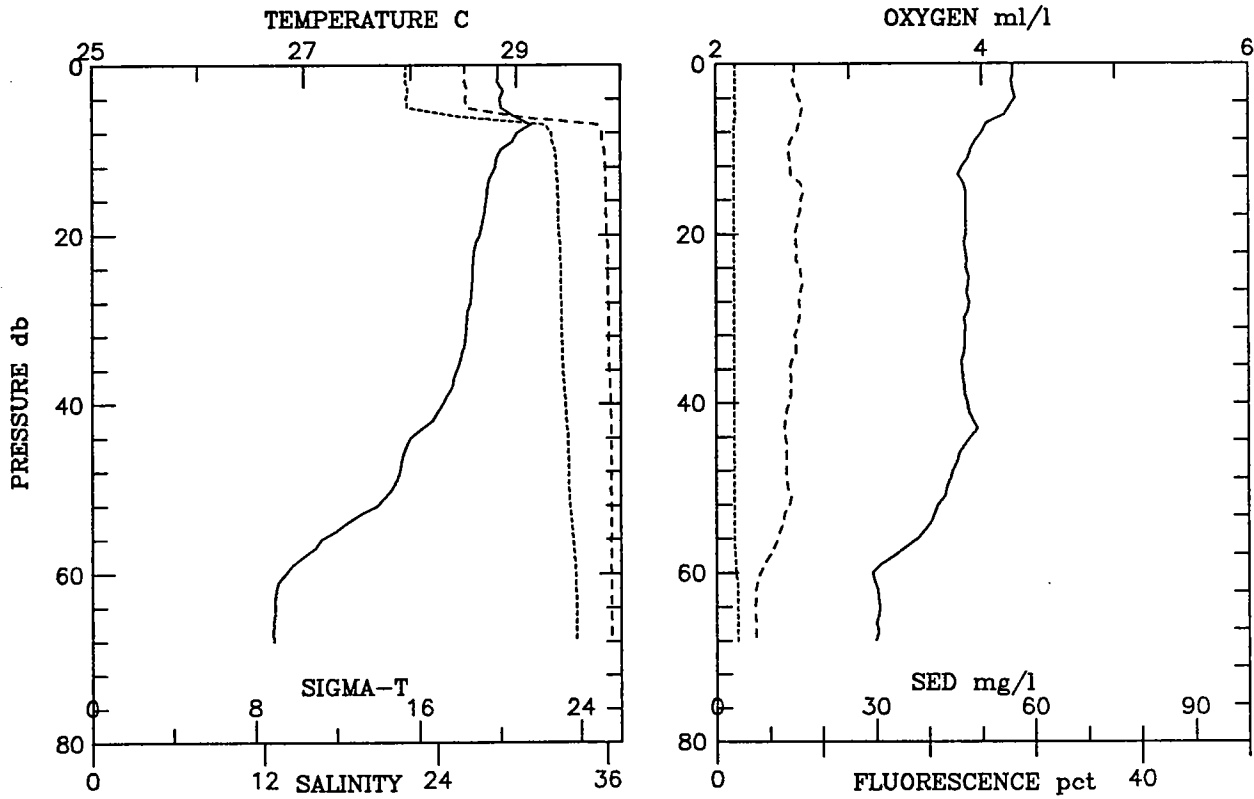
Cruise 19004 Leg 3 Station # 19 Depth m:41 Time: 1990-05-25 02:41
 Position: 2° 14.96'N 48° 40.68'W Depth Deck Offset: -0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.969	18.884	10.026	0.0000	4.924	29.0
2.0		28.969	18.884	10.026	0.0349	4.925	29.0
4.0		28.976	19.064	10.158	0.0698	4.904	29.5
6.0		28.987	33.810	21.178	0.0960	4.117	25.4
8.0		28.772	35.716	22.680	0.1074	3.646	15.7
10.0		28.609	35.921	22.889	0.1177	3.716	11.8
12.0		28.443	36.065	23.052	0.1276	3.620	10.0
14.0		28.351	36.106	23.113	0.1373	3.623	8.6
16.0		28.293	36.120	23.143	0.1469	3.574	7.3
18.0		28.280	36.120	23.147	0.1565	3.569	6.5
20.0		28.263	36.123	23.155	0.1661	3.563	6.4
22.0		28.064	36.150	23.241	0.1756	3.552	6.2
24.0		27.813	36.180	23.345	0.1849	3.386	5.7
26.0		27.779	36.182	23.358	0.1941	3.336	5.5
28.0		27.743	36.186	23.373	0.2033	3.291	5.5
30.0		27.733	36.188	23.378	0.2124	3.310	5.7
32.0		27.710	36.190	23.387	0.2216	3.293	5.7
34.0		27.706	36.190	23.388	0.2307	3.306	5.8
36.0		27.693	36.192	23.394	0.2398	3.300	5.9
36.0		27.693	36.192	23.394	0.2049	3.300	5.9
37.0		27.699	36.191	23.391	0.2094	3.282	5.9



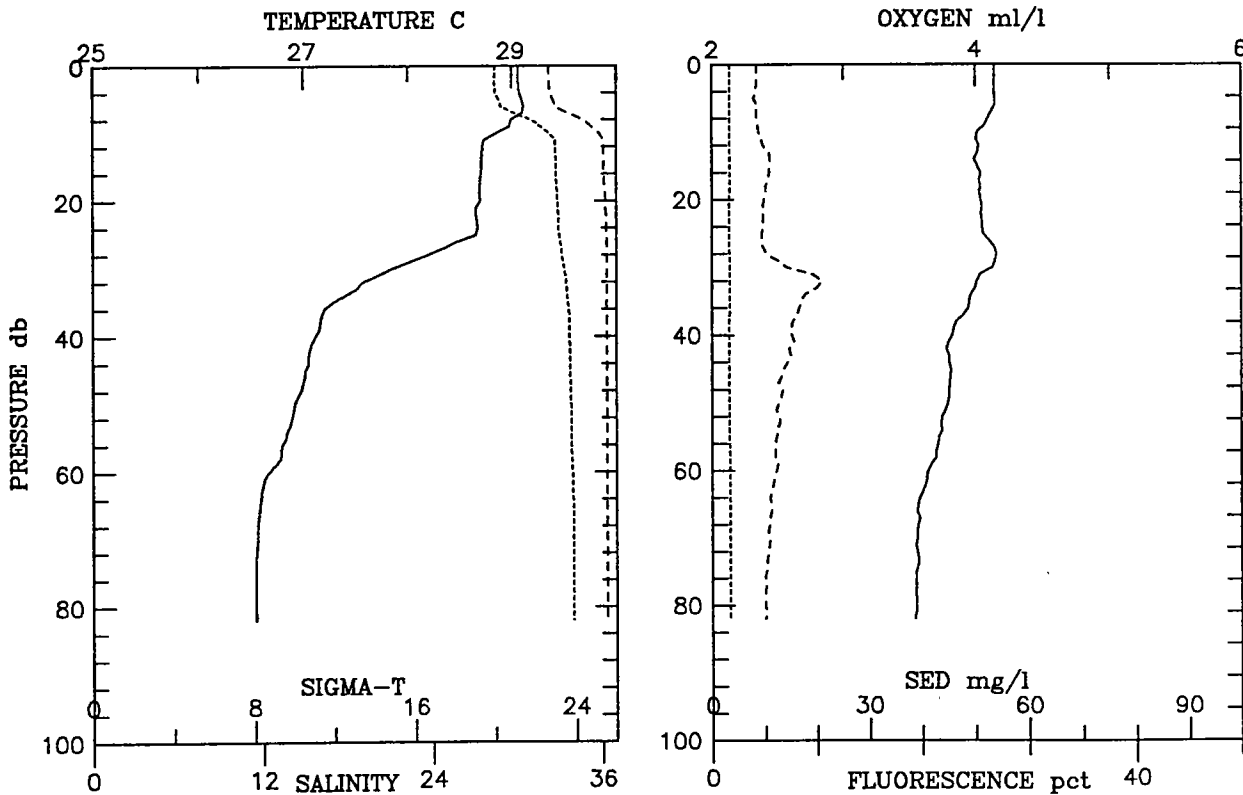
Cruise 19004 Leg 3 Station # 20 Depth m:71 Time: 1990-05-25 05:12
 Position: 2° 20.60'W 48° 33.37'W Depth Deck Offset: 0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.826	25.970	15.359	0.0000	4.233	7.4	3.6
5.0		28.861	26.083	15.433	0.0612	4.211	8.1	3.6
10.0		28.851	35.841	22.748	0.0960	3.918	6.8	3.3
15.0		28.723	35.947	22.870	0.1215	3.881	8.2	3.4
20.0		28.652	36.002	22.935	0.1467	3.882	7.4	3.4
25.0		28.582	36.085	23.021	0.1713	3.900	8.0	3.3
30.0		28.528	36.112	23.059	0.1958	3.866	7.8	3.3
35.0		28.462	36.132	23.096	0.2201	3.844	7.1	3.3
40.0		28.297	36.256	23.244	0.2440	3.889	6.8	3.3
45.0		27.954	36.286	23.379	0.2672	3.867	6.6	3.3
50.0		27.824	36.270	23.410	0.2901	3.736	6.7	3.3
55.0		27.296	36.284	23.592	0.3124	3.569	6.0	3.4
60.0		26.821	36.271	23.735	0.3340	3.173	4.1	3.7
65.0		26.719	36.273	23.769	0.3551	3.216	3.6	3.9
68.0		26.708	36.272	23.772	0.3677	3.196	3.7	4.0



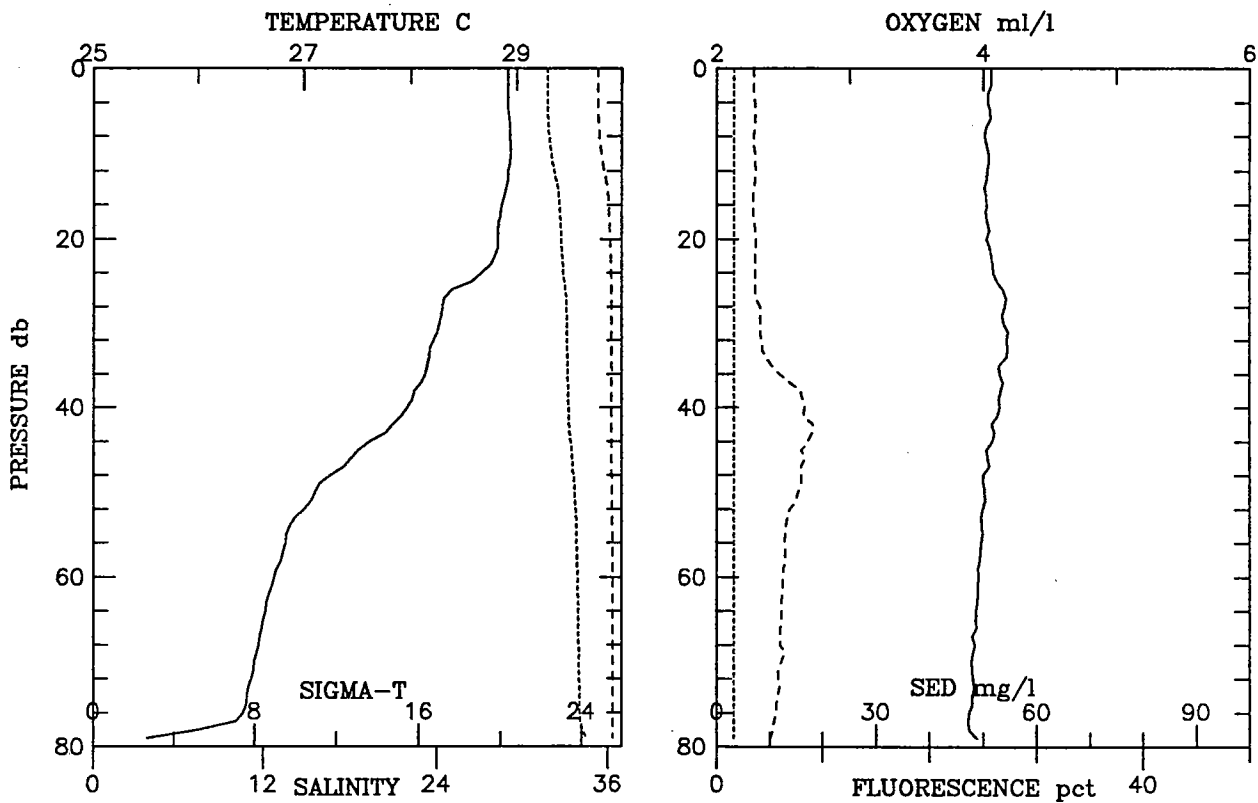
Cruise 19004 Leg 3 Station # 21 Depth m:85 Time: 1990-05-25 06:45
 Position: 2° 26.99'N 48° 27.77'W Depth Deck Offset: 0.00 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E 29.065	32.233	19.969	0.0000	4.143	4.2	3.3
5.0	29.100	32.539	20.186	0.0390	4.146	4.0	3.3
10.0	28.857	35.765	22.689	0.0715	4.016	4.4	3.3
15.0	28.708	36.093	22.985	0.0965	4.016	5.5	3.3
20.0	28.698	36.187	23.059	0.1210	4.039	4.9	3.2
25.0	28.658	36.274	23.138	0.1452	4.061	4.7	3.2
30.0	27.848	36.271	23.403	0.1685	4.125	7.1	3.3
35.0	27.280	36.270	23.587	0.1908	3.952	8.5	3.3
40.0	27.114	36.288	23.654	0.2125	3.826	7.6	3.2
45.0	27.019	36.302	23.694	0.2339	3.815	6.8	3.2
50.0	26.918	36.302	23.727	0.2553	3.791	6.3	3.2
55.0	26.833	36.299	23.752	0.2765	3.723	6.1	3.2
60.0	26.666	36.288	23.797	0.2975	3.640	6.1	3.3
65.0	26.587	36.291	23.825	0.3184	3.567	5.6	3.3
70.0	26.564	36.290	23.831	0.3392	3.561	5.4	3.3
75.0	26.546	36.291	23.838	0.3600	3.552	5.1	3.3
80.0	26.547	36.290	23.837	0.3808	3.547	5.0	3.3
82.0	26.547	36.291	23.837	0.3891	3.541	5.0	3.3



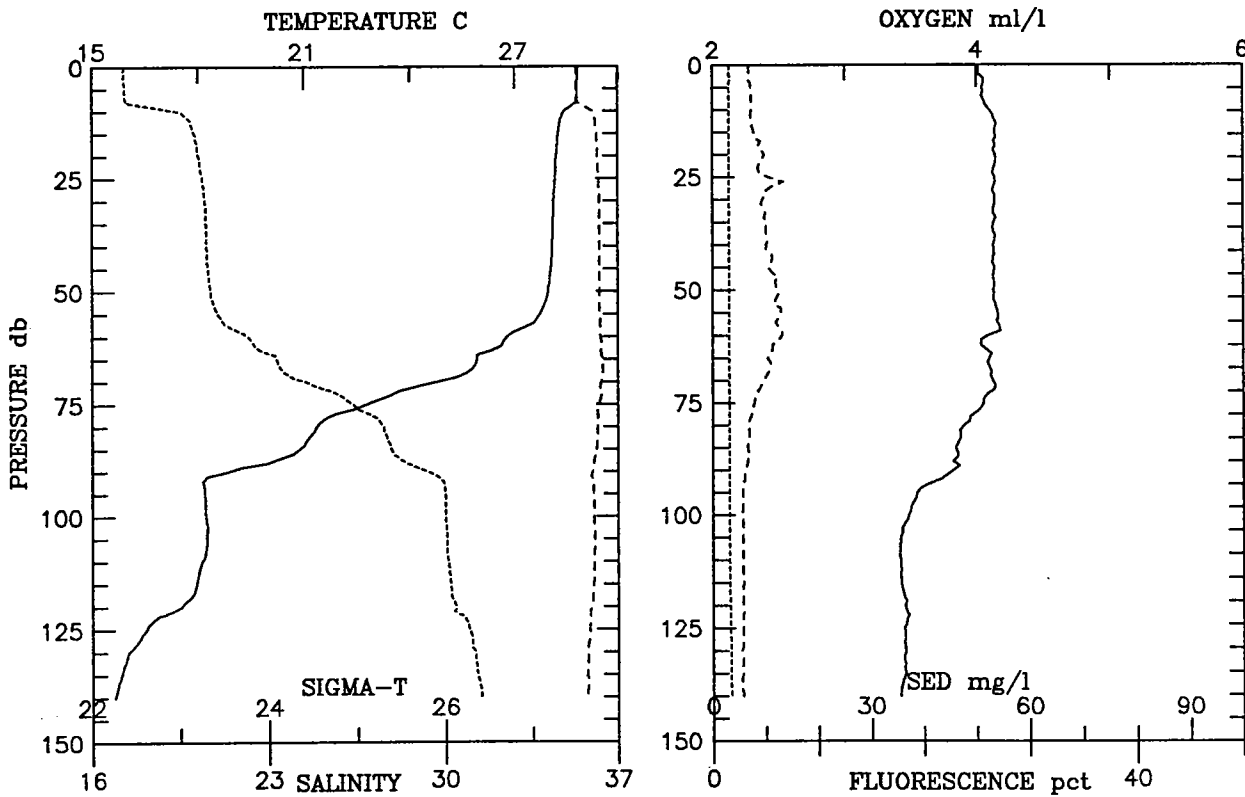
Cruise 19004 Leg 3 Station # 22 Depth m:84 Time: 1990-05-25 08:18
 Position: 2° 37.06'N 48° 21.22'W Depth Deck Offset: 0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.920	35.314	22.329	0.0000	4.058	3.2
5.0		28.918	35.300	22.319	0.0278	4.049	3.2
10.0		28.942	35.552	22.500	0.0554	4.040	3.2
15.0		28.882	36.019	22.871	0.0814	4.020	3.2
20.0		28.821	36.155	22.994	0.1064	4.025	3.2
25.0		28.575	36.237	23.138	0.1307	4.103	3.2
30.0		28.267	36.267	23.262	0.1543	4.152	3.2
35.0		28.153	36.269	23.301	0.1776	4.118	3.2
40.0		27.965	36.249	23.348	0.2008	4.121	3.2
45.0		27.511	36.251	23.498	0.2236	4.024	3.2
50.0		27.105	36.291	23.659	0.2455	4.011	3.2
55.0		26.840	36.311	23.759	0.2668	3.996	3.2
60.0		26.721	36.320	23.804	0.2879	3.970	3.2
65.0		26.620	36.329	23.843	0.3087	3.942	3.2
70.0		26.535	36.337	23.876	0.3294	3.915	3.2
75.0		26.461	36.340	23.902	0.3499	3.917	3.2
79.0		25.517	36.352	24.207	0.3660	3.951	3.2



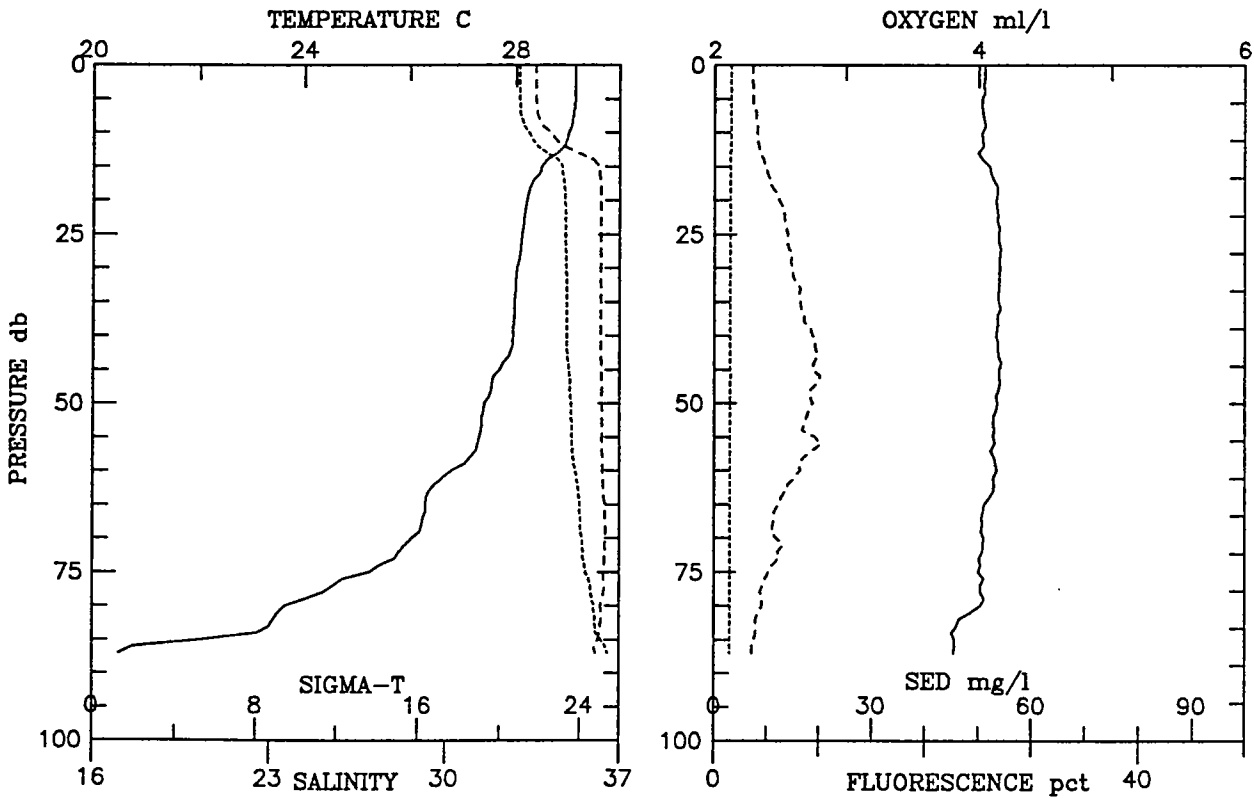
Cruise 19004 Leg 3 Station # 23 Depth m:150 Time: 1990-05-25 12:09
 Position: 3° 15.00'N 48° 29.90'W Depth Deck Offset: 0.17 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 28.841	35.321	22.361	0.0000	4.015	3.4	3.1
10.0	28.440	35.987	22.994	0.0546	4.099	3.7	3.1
20.0	28.229	36.179	23.208	0.1025	4.141	4.9	3.1
30.0	28.142	36.238	23.281	0.1495	4.137	4.7	3.1
40.0	28.104	36.241	23.296	0.1961	4.127	5.1	3.1
50.0	27.978	36.246	23.341	0.2425	4.126	6.2	3.1
60.0	26.771	36.298	23.771	0.2875	4.088	6.6	3.1
70.0	24.732	36.336	24.435	0.3269	4.124	4.8	3.1
80.0	21.351	36.179	25.297	0.3580	3.904	3.4	3.1
90.0	18.813	35.967	25.810	0.3843	3.820	3.1	3.1
100.0	18.218	36.018	25.999	0.4056	3.484	2.7	3.1
110.0	18.086	36.018	26.032	0.4267	3.421	2.8	3.1
120.0	17.509	35.948	26.120	0.4472	3.452	2.8	3.2
130.0	16.027	35.774	26.338	0.4660	3.457	2.7	3.3
140.0	15.635	35.747	26.407	0.4837	3.417	2.8	3.5



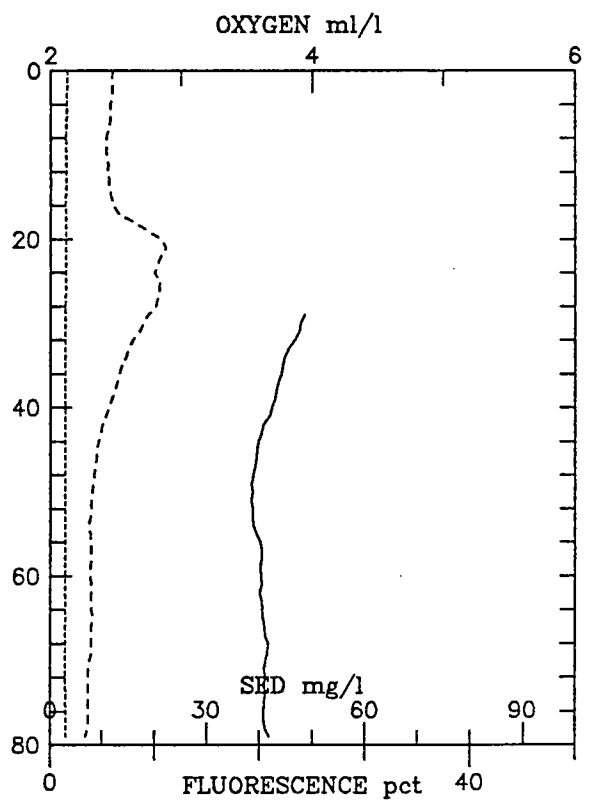
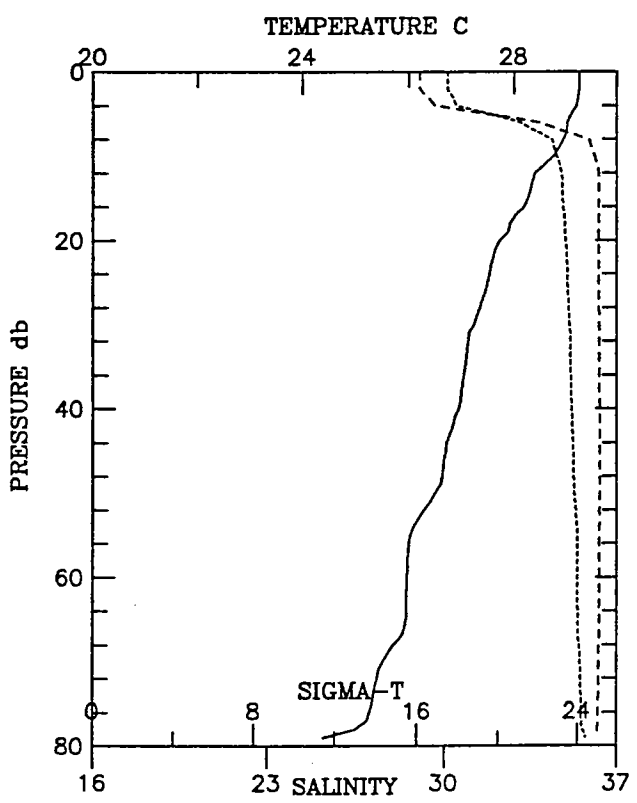
Cruise 19004 Leg 3 Station # 24 Depth m:86 Time: 1990-05-25 14:55
 Position: 3° 3.60'N 48° 40.70'W Depth Deck Offset: 0.17 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 29.139	33.611	20.978	0.0000	4.046	3.6	3.1
5.0	29.135	33.612	20.980	0.0343	4.028	3.7	3.1
10.0	29.015	34.194	21.456	0.0679	4.024	4.1	3.1
15.0	28.491	36.182	23.124	0.0963	4.083	4.8	3.0
20.0	28.207	36.223	23.249	0.1201	4.132	6.2	3.0
25.0	28.118	36.229	23.283	0.1434	4.151	7.0	3.0
30.0	28.022	36.224	23.310	0.1667	4.161	7.4	3.0
35.0	27.972	36.222	23.325	0.1899	4.152	8.2	3.0
40.0	27.941	36.223	23.336	0.2130	4.132	9.4	3.0
45.0	27.695	36.239	23.429	0.2359	4.154	9.4	3.0
50.0	27.401	36.279	23.554	0.2583	4.143	9.4	3.0
55.0	27.303	36.285	23.590	0.2803	4.112	9.6	3.0
60.0	26.774	36.293	23.767	0.3019	4.138	8.2	3.0
65.0	26.296	36.397	23.996	0.3224	4.044	6.1	3.0
70.0	26.043	36.424	24.097	0.3422	4.038	5.9	3.0
75.0	25.238	36.333	24.278	0.3614	4.003	5.2	3.0
80.0	23.634	36.229	24.682	0.3790	4.015	4.6	3.0
85.0	22.013	36.122	25.068	0.3952	3.824	3.8	3.0
87.0	20.483	36.004	25.400	0.4009	3.815	3.6	3.0



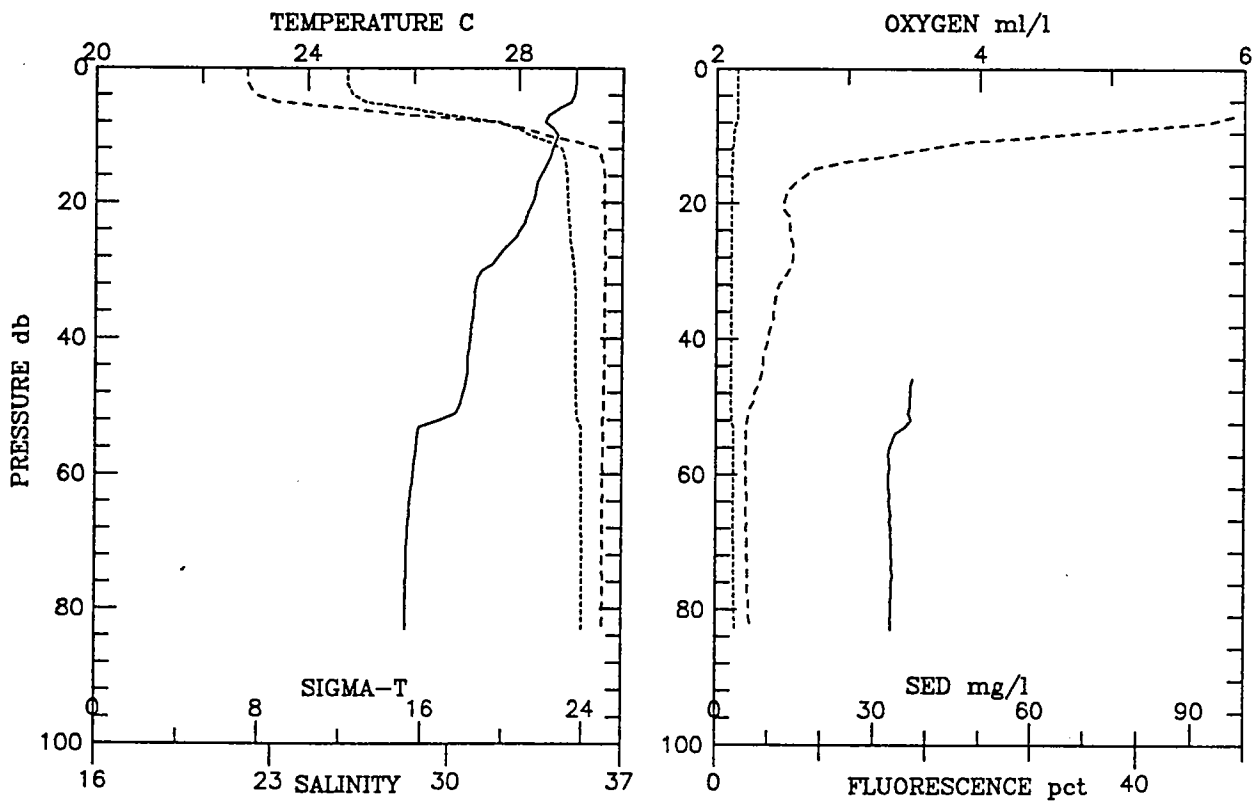
Cruise I9004 Leg 3 Station # 25 Depth m:81 Time: 1990-05-25 17:33
 Position: 2° 54.01'N 48° 48.40'W Depth Deck Offset: 0.20 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 29.264	29.046	17.517	0.0000	0.000	6.0	3.2
5.0	29.110	31.776	19.612	0.0492	0.000	5.8	3.1
10.0	28.774	36.080	22.953	0.0788	0.000	5.4	3.0
15.0	28.278	36.255	23.250	0.1025	0.000	5.9	2.9
20.0	27.732	36.231	23.410	0.1256	0.000	10.6	3.0
25.0	27.503	36.261	23.507	0.1480	0.000	10.5	3.0
30.0	27.235	36.270	23.601	0.1700	3.913	8.9	2.9
35.0	27.073	36.280	23.661	0.1916	3.781	6.9	2.9
40.0	26.950	36.287	23.706	0.2131	3.696	5.7	2.9
45.0	26.711	36.299	23.791	0.2341	3.583	4.5	2.9
50.0	26.497	36.291	23.853	0.2550	3.547	4.1	2.9
55.0	26.032	36.279	23.991	0.2753	3.577	3.9	2.9
60.0	25.972	36.273	24.005	0.2952	3.615	3.9	2.9
65.0	25.939	36.266	24.010	0.3152	3.626	4.1	2.9
70.0	25.509	36.252	24.133	0.3349	3.650	3.8	2.9
75.0	25.316	36.232	24.178	0.3541	3.637	3.7	2.9
79.0	24.400	36.187	24.422	0.3692	3.671	3.4	3.0



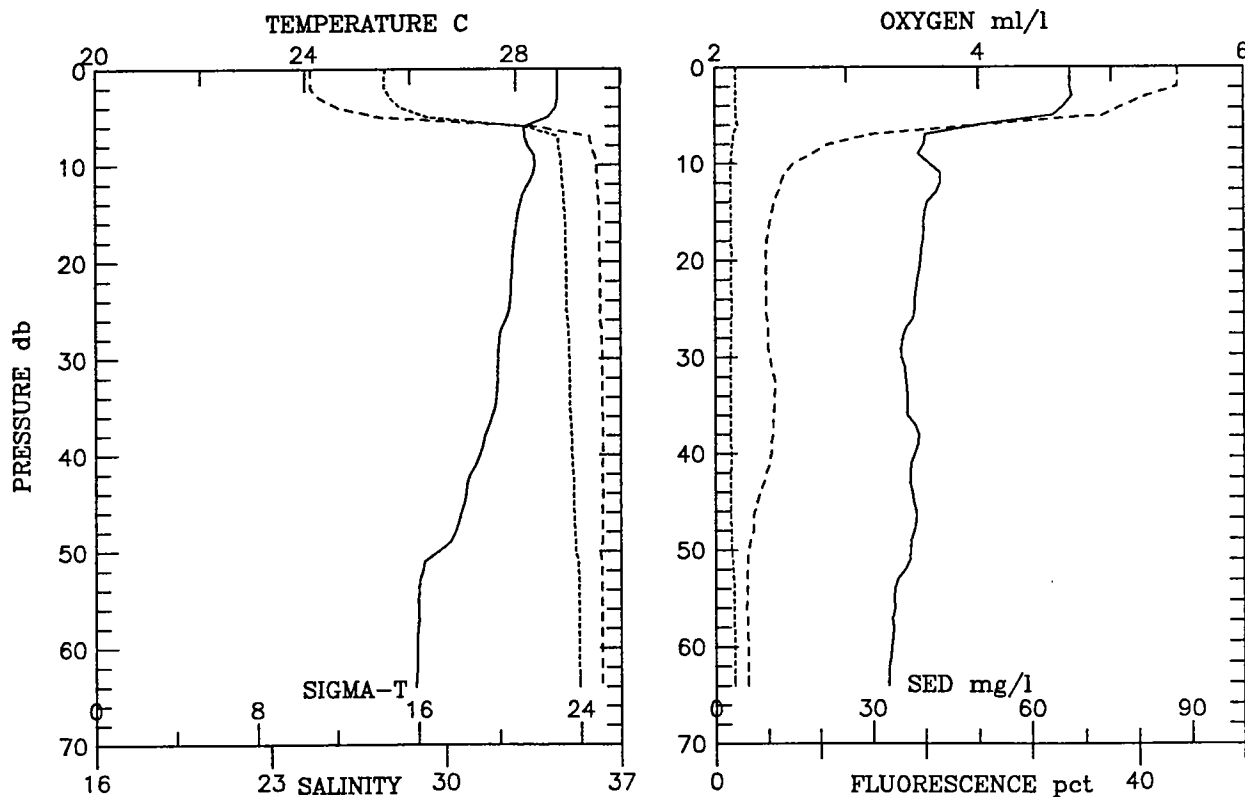
Cruise I9004 Leg 3 Station # 26 Depth m:83 Time: 1990-05-25 19:32
 Position: 2° 43.92'N 48° 57.31'W Depth Deck Offset: 0.28 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 29.091	22.014	12.320	0.0000	0.000	59.3	4.0
5.0	28.999	23.202	13.237	0.0753	0.000	56.3	4.0
10.0	28.742	33.872	21.306	0.1233	0.000	31.2	3.2
15.0	28.492	36.214	23.148	0.1493	0.000	9.1	2.9
20.0	28.274	36.241	23.240	0.1729	0.000	6.4	2.9
25.0	27.961	36.272	23.366	0.1961	0.000	7.1	2.9
30.0	27.299	36.270	23.581	0.2185	0.000	6.9	2.9
35.0	27.156	36.285	23.638	0.2402	0.000	5.6	2.9
40.0	27.082	36.270	23.651	0.2618	0.000	5.0	2.9
45.0	27.029	36.266	23.665	0.2834	0.000	4.4	2.9
50.0	26.877	36.255	23.705	0.3048	3.471	3.3	2.9
55.0	26.063	36.212	23.931	0.3256	3.342	2.9	3.4
60.0	25.988	36.211	23.953	0.3459	3.314	2.9	3.4
65.0	25.923	36.208	23.971	0.3660	3.324	2.9	3.4
70.0	25.881	36.208	23.984	0.3861	3.336	3.0	3.4
75.0	25.867	36.210	23.990	0.4062	3.347	3.1	3.5
80.0	25.858	36.209	23.992	0.4262	3.334	3.2	3.6
83.0	25.859	36.210	23.992	0.4383	3.333	3.3	3.7



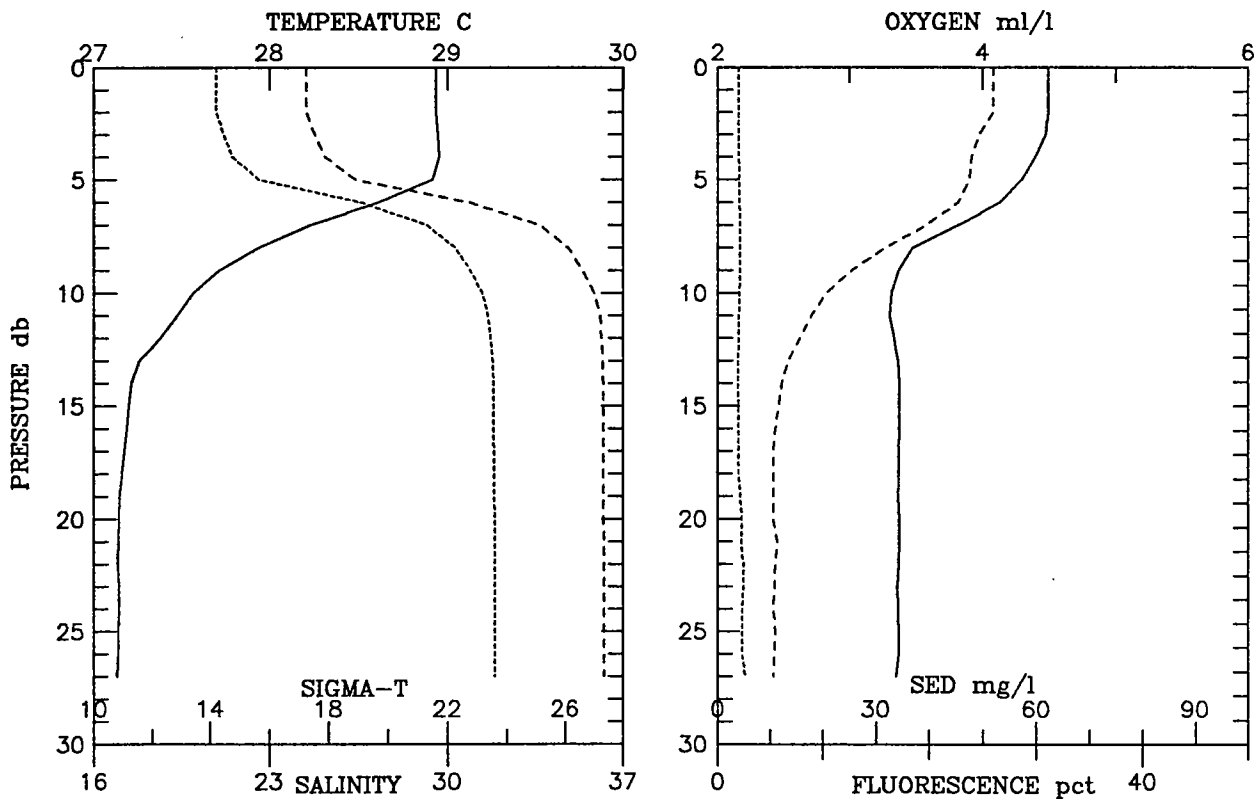
Cruise 19004 Leg 3 Station # 27 Depth m:64 Time: 1990-05-25 20:57
 Position: 2° 40.56'N 49° 1.41'W Depth Deck Offset: -0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.812	24.636	14.367	0.0000	4.688	43.7	4.0
5.0		28.619	27.458	16.539	0.0641	4.563	36.8	4.0
10.0		28.367	36.047	23.064	0.0935	3.631	7.5	3.0
15.0		28.048	36.142	23.240	0.1174	3.600	5.4	3.0
20.0		27.938	36.165	23.293	0.1408	3.563	4.8	3.0
25.0		27.869	36.165	23.316	0.1640	3.521	4.8	3.1
30.0		27.661	36.244	23.443	0.1868	3.418	5.2	2.9
35.0		27.600	36.251	23.469	0.2093	3.461	5.6	2.9
40.0		27.316	36.269	23.574	0.2315	3.521	5.3	3.0
45.0		27.024	36.260	23.661	0.2532	3.513	4.0	2.9
50.0		26.526	36.166	23.750	0.2745	3.487	3.1	3.0
55.0		26.151	36.215	23.905	0.2951	3.363	3.0	3.5
60.0		26.121	36.215	23.914	0.3155	3.343	3.1	3.6
64.0		26.104	36.215	23.919	0.3053	3.318	3.1	3.6



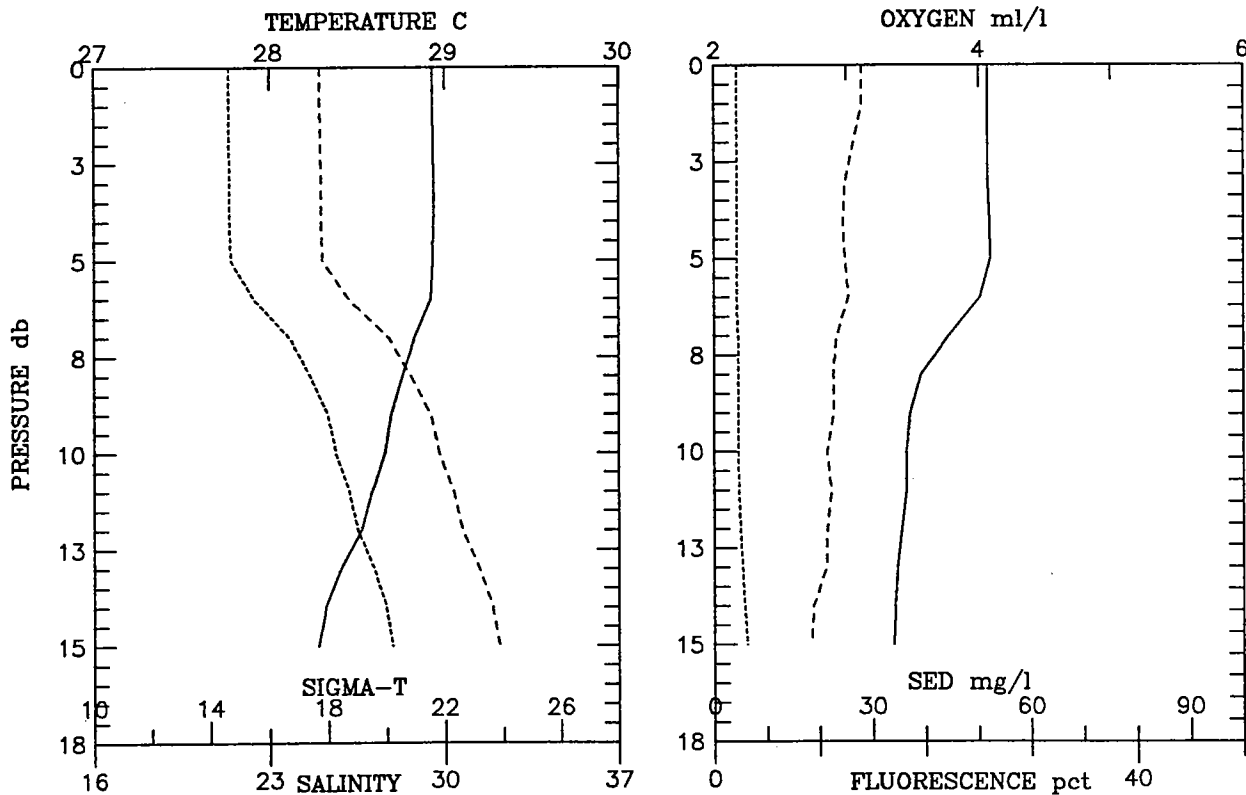
Cruise I9004 Leg 3 Station # 28 Depth m:31 Time: 1990-05-25 21:57
 Position: 2° 35.35'N 49° 5.36'W Depth Deck Offset: -0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.935	24.461	14.197	0.0000	4.491	26.0	4.0
2.0	28.934	24.461	14.197	0.0268	4.492	26.0	4.0
4.0	28.955	25.209	14.749	0.0531	4.396	24.0	4.0
6.0	28.614	30.907	19.123	0.0758	4.127	22.7	4.1
8.0	27.940	34.804	22.269	0.0895	3.476	15.9	4.2
10.0	27.569	35.847	23.175	0.0998	3.315	10.3	4.1
12.0	27.378	36.129	23.449	0.1090	3.337	7.8	4.0
14.0	27.215	36.187	23.545	0.1179	3.377	6.1	3.8
16.0	27.190	36.196	23.560	0.1267	3.375	5.5	3.9
18.0	27.161	36.202	23.573	0.1355	3.368	5.3	4.0
20.0	27.142	36.209	23.585	0.1443	3.374	5.3	4.6
22.0	27.136	36.213	23.590	0.1530	3.368	5.5	4.9
24.0	27.140	36.211	23.587	0.1617	3.364	5.3	4.7
26.0	27.138	36.211	23.588	0.1705	3.369	5.4	4.7
27.0	27.132	36.214	23.592	0.1749	3.352	5.3	5.2



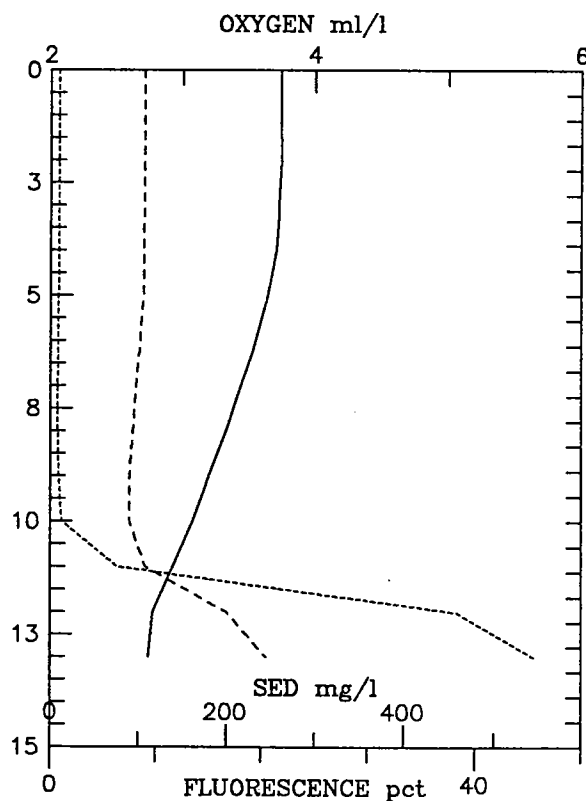
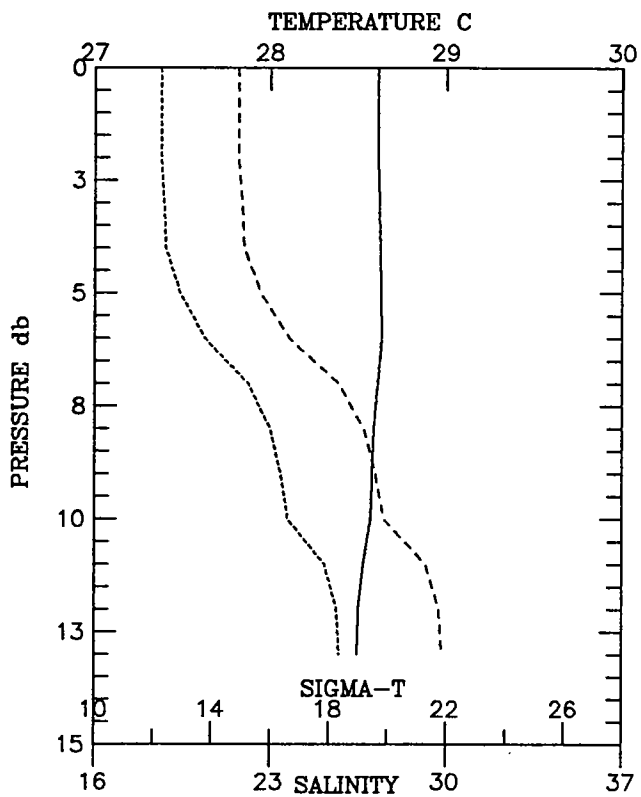
Cruise 19004 Leg 3 Station # 29 Depth m:20 Time: 1990-05-25 23:22
 Position: 2° 28.80'N 49° 11.30'W Depth Deck Offset: -0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 28.933	25.021	14.616	0.0000	4.070	14.0	4.3
1.0	28.932	25.021	14.616	0.0130	4.070	14.0	4.3
2.0	28.936	25.044	14.632	0.0260	4.068	13.2	4.3
3.0	28.940	25.082	14.659	0.0390	4.067	12.4	4.3
4.0	28.936	25.062	14.645	0.0519	4.083	12.2	4.3
5.0	28.932	25.124	14.693	0.0649	4.087	12.4	4.3
6.0	28.922	26.175	15.482	0.0774	4.011	12.7	4.3
7.0	28.829	27.764	16.700	0.0890	3.774	11.6	4.5
8.0	28.757	28.663	17.396	0.0996	3.563	11.3	4.5
9.0	28.691	29.444	18.002	0.1096	3.484	11.3	4.5
10.0	28.657	29.789	18.271	0.1192	3.455	10.7	4.5
11.0	28.581	30.353	18.719	0.1285	3.451	11.1	4.7
12.0	28.523	30.716	19.010	0.1374	3.421	10.7	4.9
13.0	28.406	31.397	19.559	0.1458	3.385	10.6	5.3
14.0	28.318	31.926	19.984	0.1539	3.364	9.4	5.7
15.0	28.276	32.192	20.197	0.1616	3.357	9.2	6.2



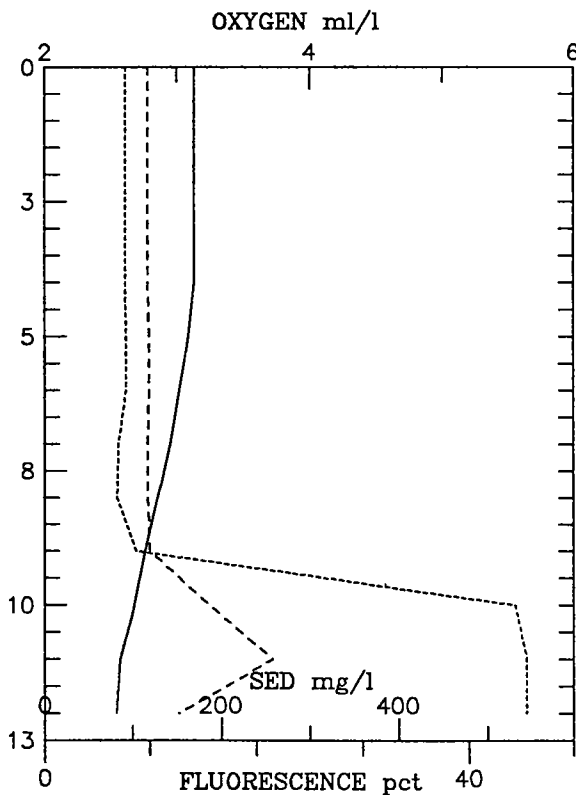
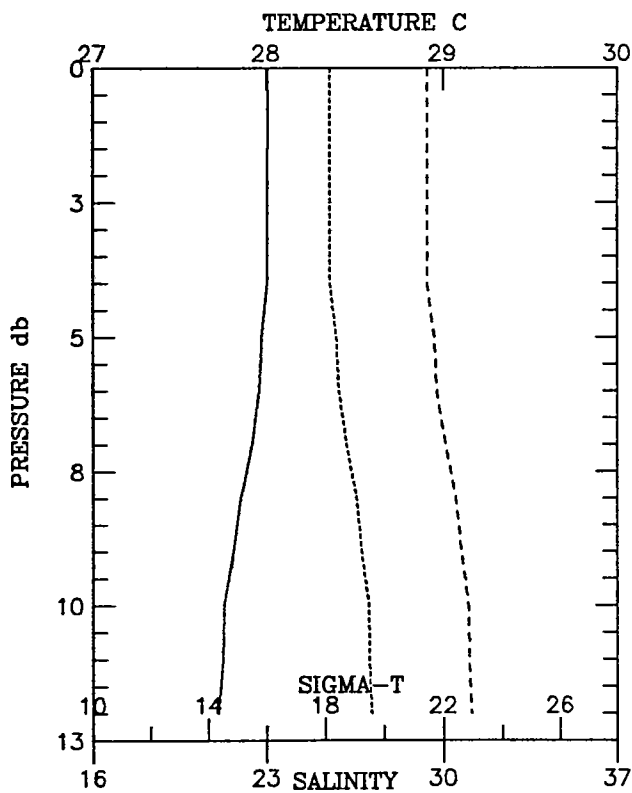
Cruise I9004 Leg 3 Station # 30 Depth m:15 Time: 1990-05-26 02:04
 Position: 2° 22.70'N 49° 20.60'W Depth Deck Offset: -0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.613	21.737	12.266	0.0000	3.746	8.9	9.1
1.0	E	28.613	21.737	12.266	0.0153	3.746	8.9	9.1
2.0		28.613	21.737	12.266	0.0306	3.747	8.9	9.1
3.0		28.619	21.877	12.368	0.0458	3.730	8.9	9.2
4.0		28.625	21.971	12.436	0.0610	3.710	8.8	9.1
5.0		28.632	22.639	12.933	0.0758	3.648	8.8	8.8
6.0		28.633	23.764	13.773	0.0901	3.556	8.5	8.8
7.0		28.612	25.742	15.257	0.1032	3.444	8.1	7.8
8.0		28.589	26.732	16.005	0.1152	3.334	7.8	7.9
9.0		28.578	27.201	16.360	0.1266	3.203	7.5	9.3
10.0		28.572	27.532	16.610	0.1378	3.078	7.5	12.6
11.0		28.531	29.199	17.870	0.1483	2.931	9.0	75.9
12.0		28.502	29.736	18.282	0.1579	2.776	16.7	458.2
13.0		28.494	29.841	18.364	0.1674	2.743	20.5	545.5



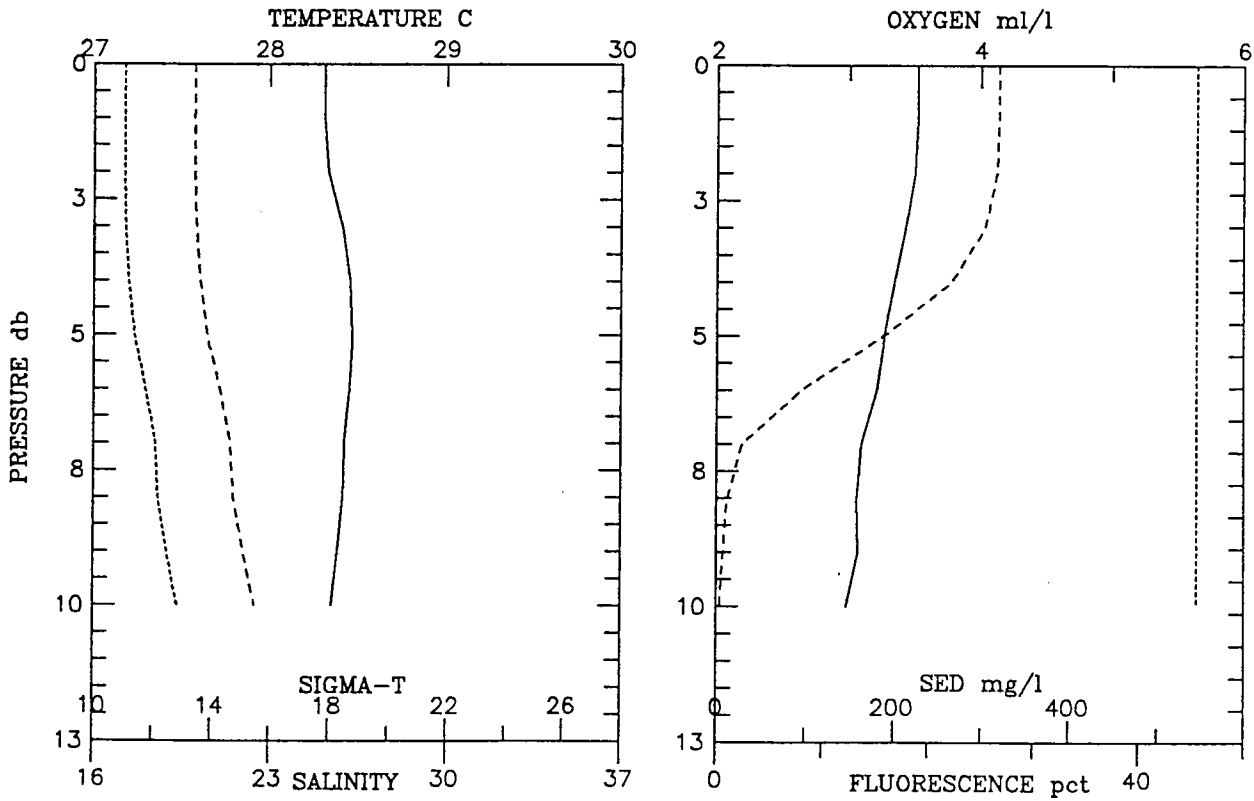
Cruise I9004 Leg 3 Station # 31 Depth m:16 Time: 1990-05-26 04:30
 Position: 2° 30.40'N 49° 35.50'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.007	29.363	18.163	0.0000	3.132	9.8	92.0
1.0	E	28.007	29.362	18.162	0.0096	3.132	9.8	92.0
2.0	E	28.006	29.362	18.162	0.0191	3.133	9.8	92.0
3.0	E	28.006	29.362	18.162	0.0287	3.133	9.8	92.0
4.0		28.006	29.362	18.162	0.0383	3.133	9.8	92.0
5.0		27.973	29.649	18.387	0.0477	3.090	9.9	92.4
6.0		27.957	29.747	18.466	0.0570	3.022	9.9	92.8
7.0		27.917	30.090	18.736	0.0662	2.955	9.8	84.1
8.0		27.853	30.501	19.065	0.0750	2.857	9.8	82.7
9.0		27.810	30.713	19.238	0.0836	2.763	10.0	104.2
10.0		27.757	31.005	19.474	0.0921	2.680	15.6	532.1
11.0		27.748	31.027	19.493	0.1004	2.575	21.5	545.5
12.0		27.723	31.117	19.569	0.1086	2.548	12.7	545.5



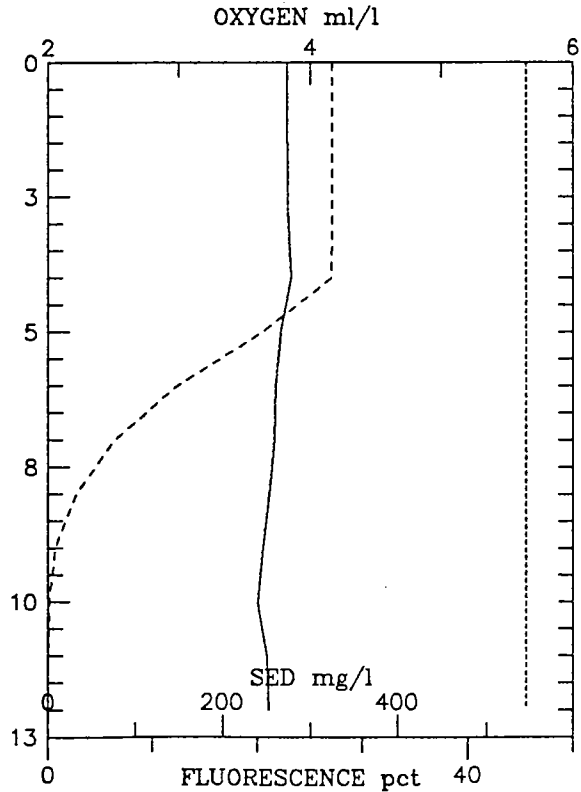
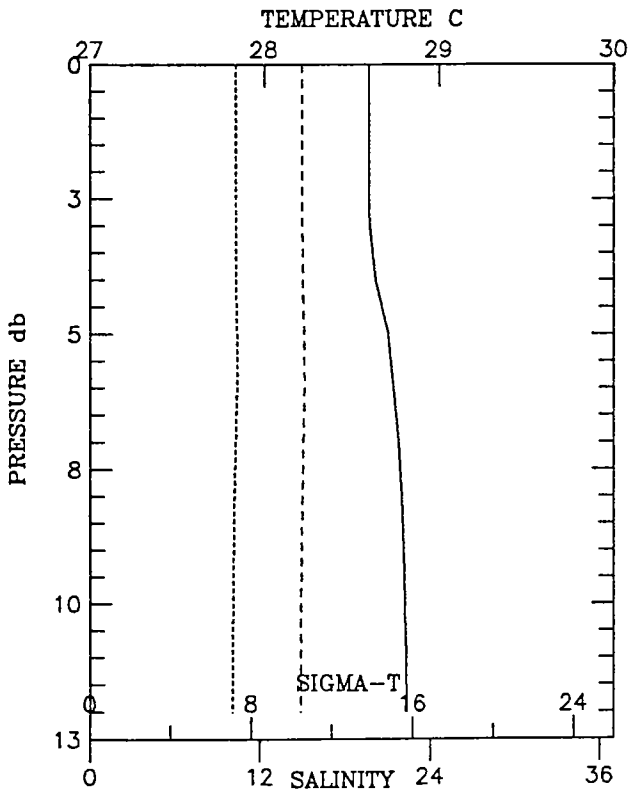
Cruise I9004 Leg 3 Station # 32 Depth m:13 Time: 1990-05-26 06:48
 Position: 2° 23.90'N 49° 50.78'W Depth Deck Offset: -0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.309	19.991	11.058	0.0000	3.514	26.7	545.5
1.0	28.309	19.990	11.057	0.0165	3.515	26.7	545.5
2.0	28.333	19.996	11.054	0.0329	3.498	26.5	545.5
3.0	28.410	20.070	11.085	0.0494	3.425	25.4	545.5
4.0	28.457	20.238	11.196	0.0658	3.341	22.2	545.5
5.0	28.467	20.509	11.395	0.0820	3.263	15.7	545.5
6.0	28.452	21.018	11.780	0.0979	3.209	8.0	545.5
7.0	28.424	21.449	12.111	0.1135	3.095	2.4	545.5
8.0	28.415	21.568	12.202	0.1289	3.060	1.0	545.5
9.0	28.386	21.969	12.511	0.1441	3.068	0.6	545.5
10.0	28.354	22.431	12.866	0.1590	2.984	0.3	545.5



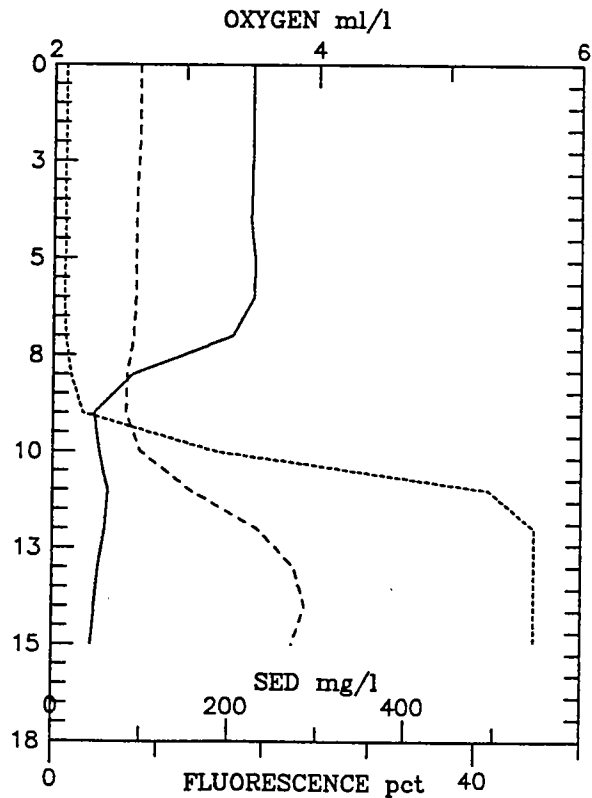
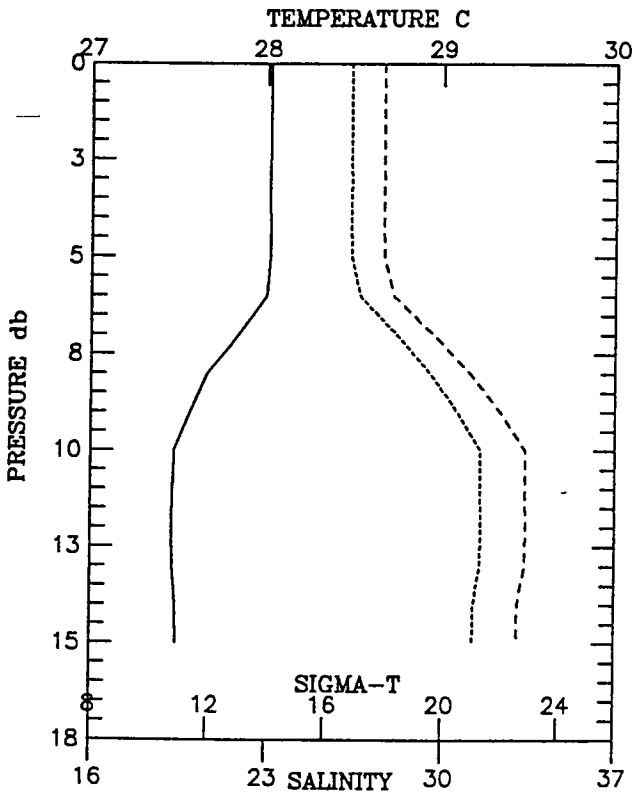
Cruise 19004 Leg 3 Station # 33 Depth m:15 Time: 1990-05-26 08:29
 Position: 2° 23.20'N 50° 5.30'W Depth Deck Offset: 0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.599	14.998	7.247	0.0000	3.829	27.1	545.5
1.0	E	28.599	14.997	7.246	0.0202	3.829	27.1	545.5
2.0		28.599	14.997	7.246	0.0404	3.830	27.1	545.5
3.0		28.601	14.997	7.245	0.0606	3.838	27.1	545.5
4.0		28.635	15.026	7.256	0.0808	3.855	27.0	545.5
5.0		28.707	15.122	7.306	0.1010	3.781	20.5	545.5
6.0		28.736	15.143	7.312	0.1211	3.738	12.4	545.5
7.0		28.765	15.053	7.236	0.1413	3.728	6.4	545.5
8.0		28.782	14.986	7.181	0.1616	3.690	2.7	545.5
9.0		28.793	14.942	7.145	0.1819	3.640	0.7	545.5
10.0		28.802	14.913	7.121	0.2022	3.603	0.1	545.5
11.0		28.809	14.889	7.101	0.2225	3.673	0.0	545.5
12.0		28.811	14.883	7.095	0.2429	3.685	0.0	545.5



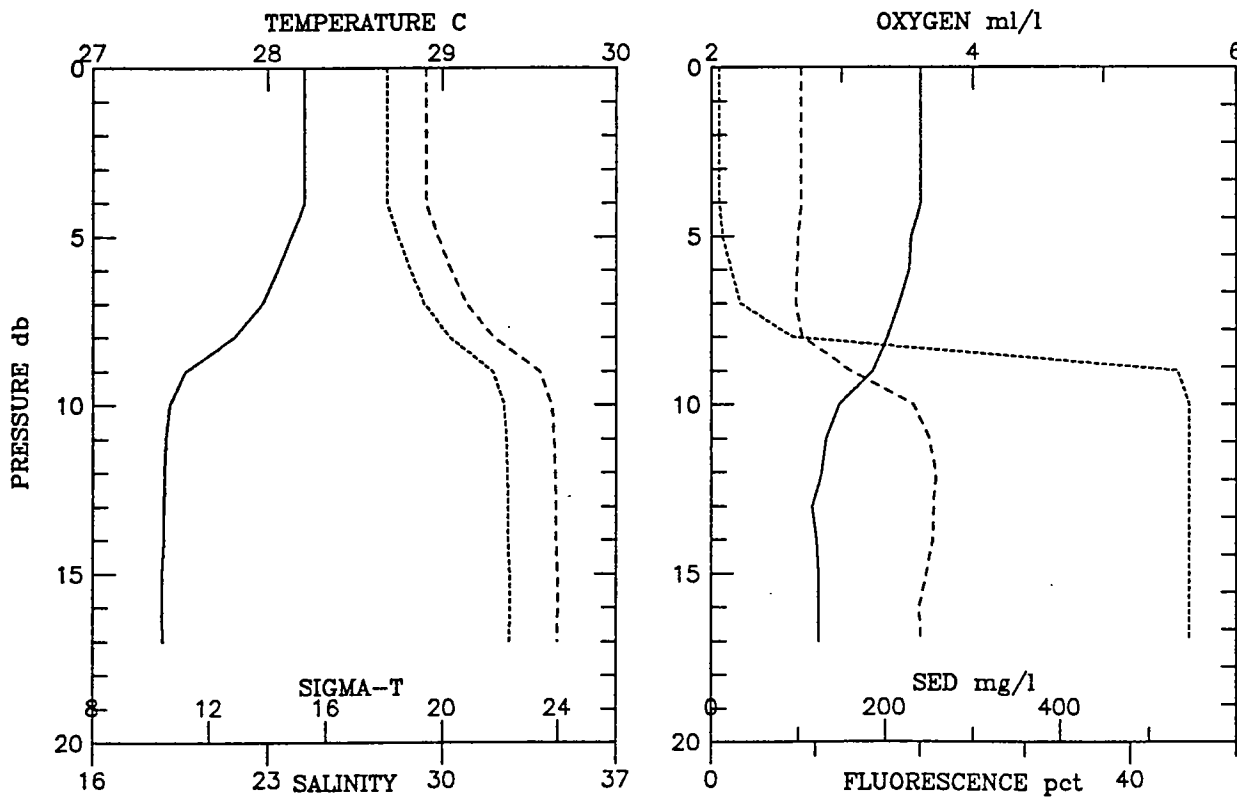
Cruise I9004 Leg 3 Station # 34 Depth m:18 Time: 1990-05-26 12:01
 Position: 2° 34.20'N 49° 53.90'W Depth Deck Offset: 0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.021	27.634	16.863	0.0000	3.508	8.1	12.5
1.0	E	28.020	27.634	16.863	0.0108	3.508	8.1	12.5
2.0		28.020	27.633	16.862	0.0216	3.509	8.1	12.5
3.0		28.014	27.658	16.882	0.0325	3.503	7.9	12.1
4.0		28.019	27.642	16.869	0.0433	3.490	7.8	12.6
5.0		28.018	27.673	16.893	0.0541	3.527	7.8	12.3
6.0		28.000	28.061	17.188	0.0647	3.518	7.8	11.7
7.0		27.843	29.660	18.437	0.0746	3.359	7.6	13.6
8.0		27.665	31.132	19.599	0.0834	2.606	7.0	19.8
9.0		27.567	32.330	20.530	0.0911	2.312	6.9	33.8
10.0		27.479	33.347	21.323	0.0980	2.353	8.3	186.8
11.0		27.471	33.337	21.318	0.1045	2.419	13.0	493.7
12.0		27.468	33.377	21.349	0.1111	2.396	19.4	545.5
13.0		27.471	33.327	21.310	0.1176	2.346	22.9	545.5
14.0		27.487	33.059	21.104	0.1242	2.319	23.9	545.5
15.0		27.490	33.033	21.083	0.1310	2.292	22.7	545.5
15.0		27.490	33.033	21.083	0.1202	2.292	22.7	545.5



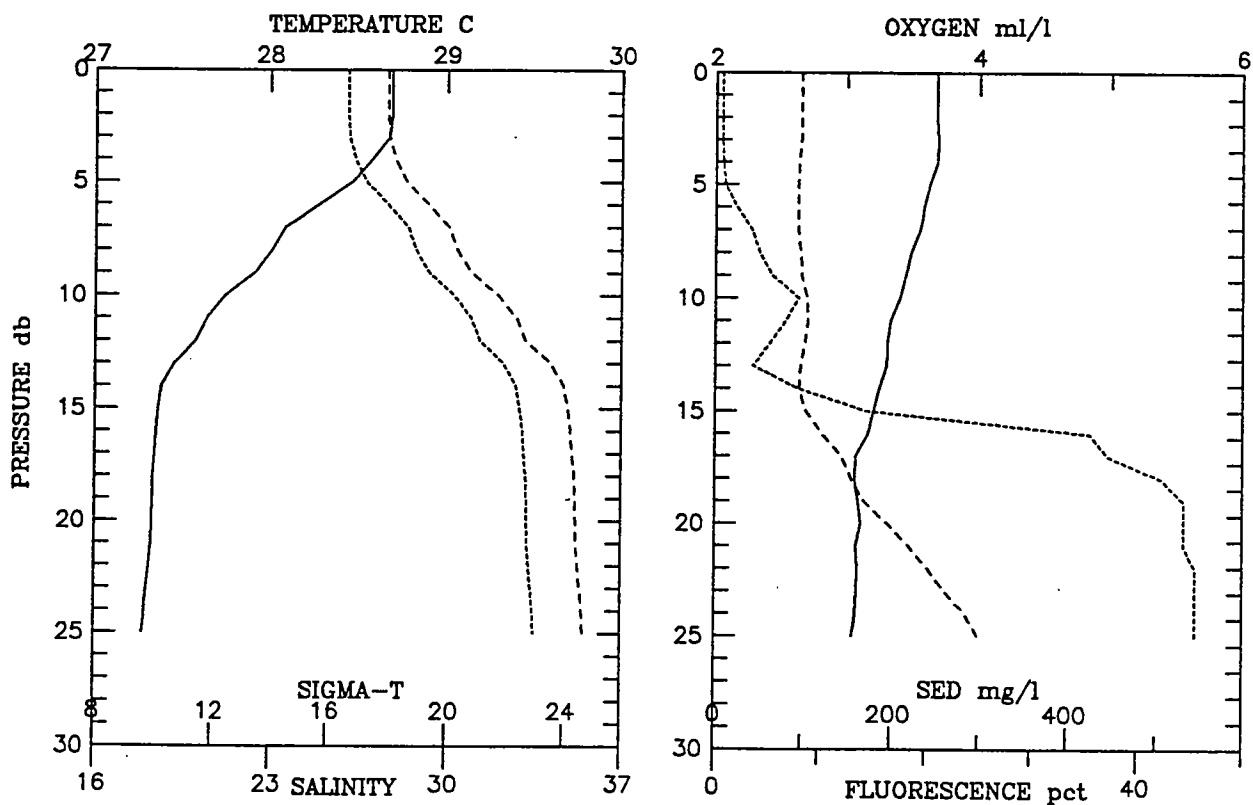
Cruise 19004 Leg 3 Station # 35 Depth m:20 Time: 1990-05-26 14:53
 Position: 2° 46.40'N 49° 45.70'W Depth Deck Offset: 0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.210	29.357	18.092	0.0000	3.601	8.6
1.0	E	28.210	29.357	18.092	0.0096	3.602	8.6
2.0	E	28.210	29.357	18.093	0.0193	3.602	8.6
3.0	E	28.209	29.357	18.093	0.0289	3.603	8.6
4.0		28.209	29.356	18.092	0.0385	3.603	8.6
5.0		28.134	29.832	18.473	0.0480	3.528	8.3
6.0		28.055	30.371	18.903	0.0570	3.514	8.2
7.0		27.969	30.974	19.382	0.0657	3.440	8.1
8.0		27.810	32.090	20.272	0.0736	3.350	8.7
9.0		27.527	33.939	21.752	0.0805	3.240	13.4
10.0		27.439	34.425	22.146	0.0864	2.983	19.4
11.0		27.419	34.520	22.224	0.0921	2.883	20.9
12.0		27.414	34.559	22.255	0.0978	2.847	21.5
13.0		27.407	34.598	22.287	0.1034	2.774	21.3
14.0		27.407	34.597	22.286	0.1090	2.808	21.2
15.0		27.398	34.659	22.335	0.1146	2.821	20.6
16.0		27.397	34.665	22.340	0.1201	2.824	19.9
17.0		27.400	34.644	22.324	0.1257	2.824	20.1



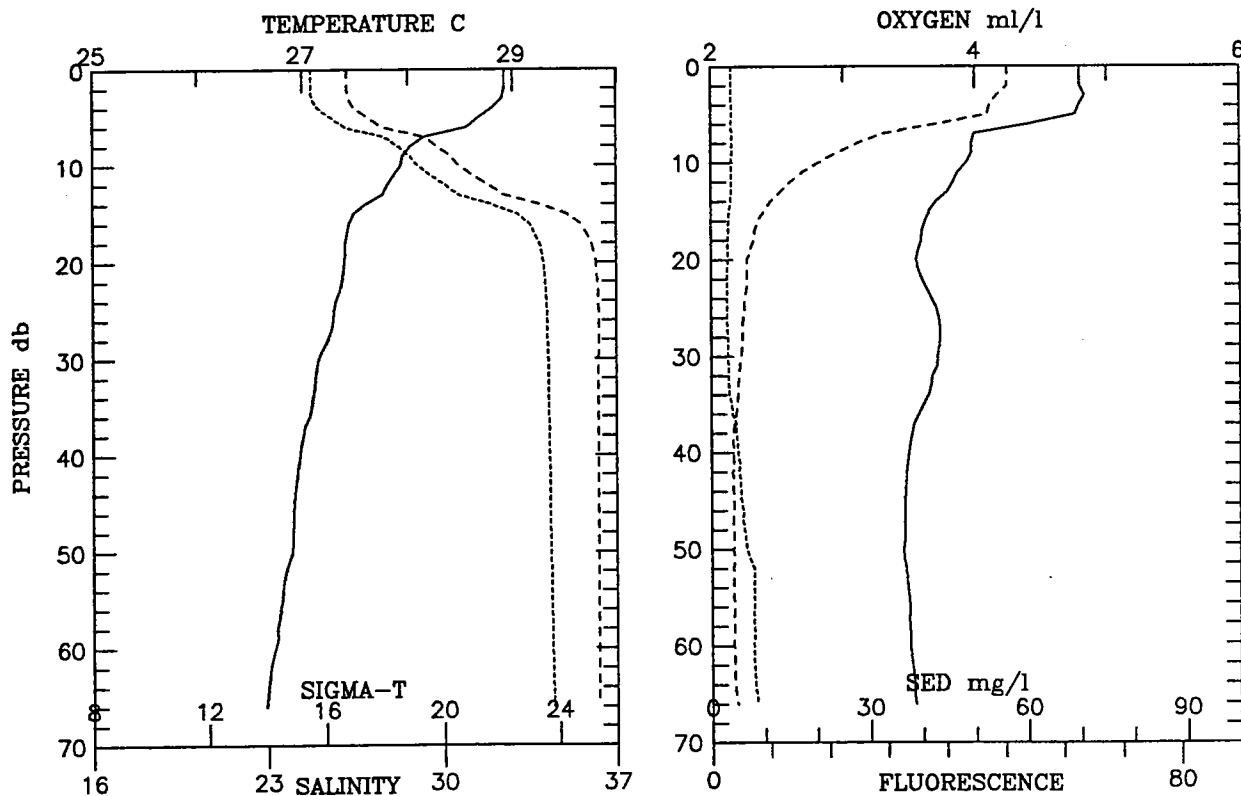
Cruise I9004 Leg 3 Station # 36 Depth m:28 Time: 1990-05-26 17:04
 Position: 2° 56.52'N 49° 36.36'W Depth Deck Offset: 0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.690	27.675	16.678	0.0000	3.677	6.9
2.0		28.690	27.675	16.678	0.0220	3.678	6.9
4.0		28.581	27.963	16.929	0.0438	3.681	8.0
6.0		28.280	29.272	18.006	0.0645	3.576	24.0
8.0		28.011	30.418	18.952	0.0828	3.482	51.0
10.0		27.741	32.044	20.259	0.0994	3.400	96.0
12.0		27.575	33.124	21.124	0.1135	3.308	63.1
14.0		27.376	34.665	22.347	0.1256	3.248	95.2
16.0		27.346	34.955	22.575	0.1364	3.168	425.2
18.0		27.330	35.112	22.699	0.1470	3.070	506.2
20.0		27.324	35.166	22.741	0.1574	3.111	532.1
22.0		27.311	35.262	22.818	0.1677	3.089	545.5
24.0		27.283	35.439	22.960	0.1778	3.076	545.5
25.0		27.275	35.478	22.991	0.1827	3.049	545.5



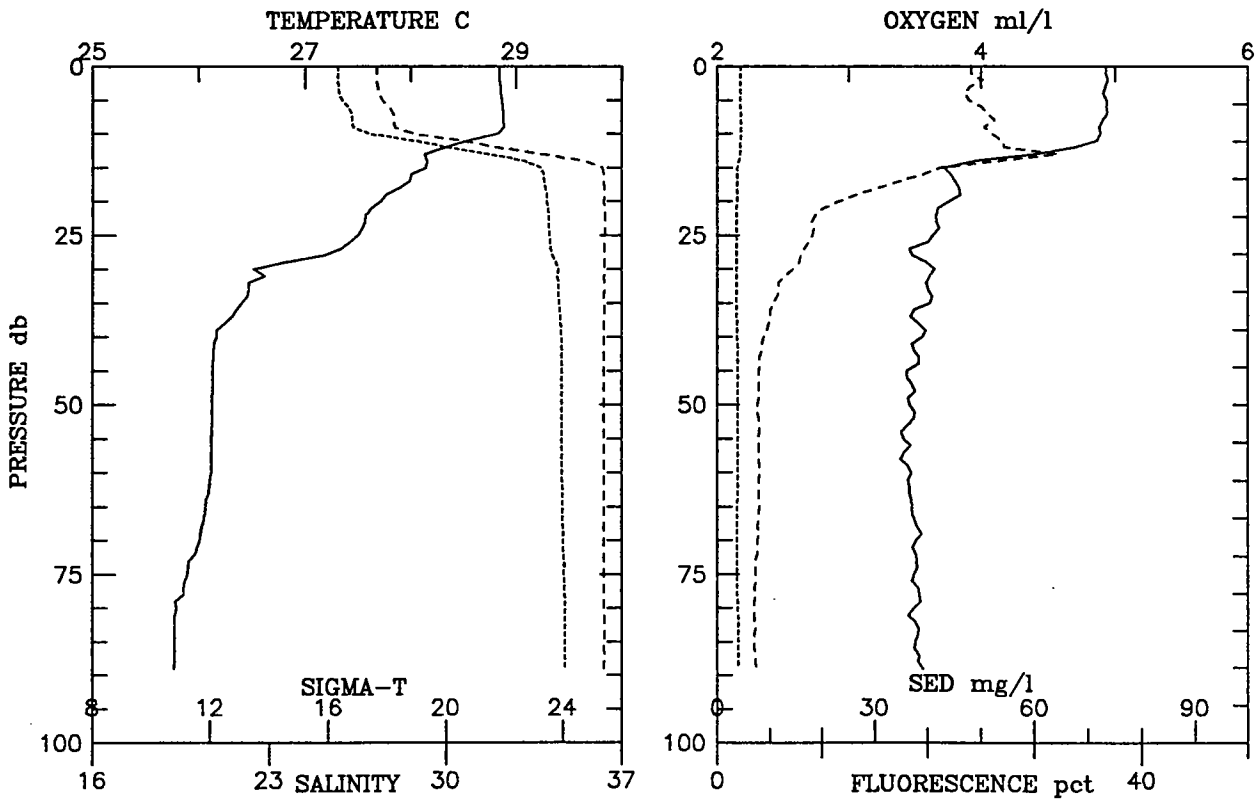
Cruise 19004 Leg 3 Station # 37 Depth m:69 Time: 1990-05-26 18:37
 Position: 3° 2.89'N 49° 26.57'W Depth Deck Offset: 0.00 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.922	26.198	15.498	0.0000	4.795	50.6	3.8
5.0		28.676	27.049	16.215	0.0601	4.765	47.2	3.9
10.0		27.932	30.659	19.158	0.1089	3.936	18.4	3.8
15.0		27.483	35.001	22.566	0.1452	3.653	8.9	3.4
20.0		27.400	36.160	23.465	0.1690	3.556	6.1	3.1
25.0		27.302	36.266	23.577	0.1911	3.704	5.6	3.0
30.0		27.156	36.263	23.621	0.2130	3.715	5.0	3.1
35.0		27.088	36.251	23.634	0.2347	3.607	4.4	3.8
40.0		26.974	36.243	23.665	0.2562	3.498	3.8	5.0
45.0		26.916	36.242	23.683	0.2777	3.465	3.8	5.6
50.0		26.897	36.245	23.691	0.2992	3.455	3.7	6.6
55.0		26.802	36.249	23.725	0.3205	3.490	3.7	7.9
60.0		26.735	36.253	23.749	0.3418	3.500	3.7	7.8
65.0		26.660	36.256	23.774	0.3629	3.530	4.0	8.4
66.0		26.654	36.257	23.777	0.3671	3.542	4.3	8.4



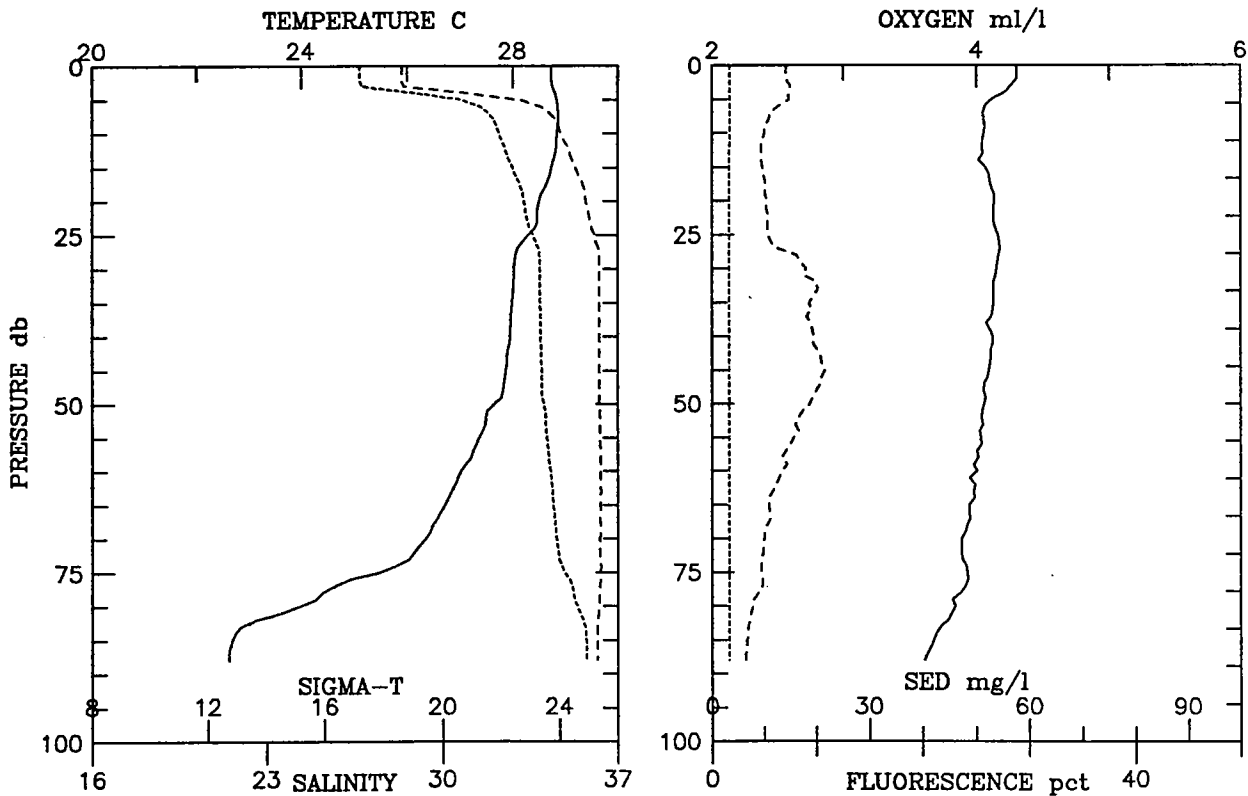
Cruise I9004 Leg 3 Station # 38 Depth m:92 Time: 1990-05-26 21:14
 Position: 3° 9.47'N 49° 17.72'W Depth Deck Offset: -0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.847	27.268	16.323	0.0000	4.934	24.1	4.3
5.0		28.870	27.477	16.472	0.0566	4.935	23.9	4.3
10.0		28.830	28.740	17.429	0.1110	4.895	26.1	4.4
15.0		28.149	36.212	23.260	0.1466	3.723	21.2	3.7
20.0		27.717	36.276	23.449	0.1694	3.763	11.6	3.7
25.0		27.500	36.310	23.546	0.1916	3.639	9.1	3.6
30.0		26.522	36.290	23.844	0.2131	3.653	7.2	3.6
35.0		26.409	36.285	23.876	0.2338	3.618	5.3	3.6
40.0		26.170	36.279	23.947	0.2541	3.558	4.4	3.7
45.0		26.134	36.279	23.959	0.2743	3.443	3.9	3.8
50.0		26.130	36.279	23.960	0.2944	3.462	3.8	3.8
55.0		26.126	36.280	23.962	0.3146	3.420	3.9	3.8
60.0		26.121	36.280	23.964	0.3347	3.475	4.0	3.8
65.0		26.067	36.281	23.981	0.3548	3.484	4.0	3.7
70.0		26.013	36.279	23.997	0.3749	3.510	3.8	3.7
75.0		25.900	36.275	24.029	0.3948	3.495	3.6	3.7
80.0		25.793	36.279	24.065	0.4146	3.498	3.5	3.8
85.0		25.776	36.286	24.076	0.4343	3.504	3.5	3.9
89.0		25.773	36.286	24.076	0.4500	3.563	3.7	3.9



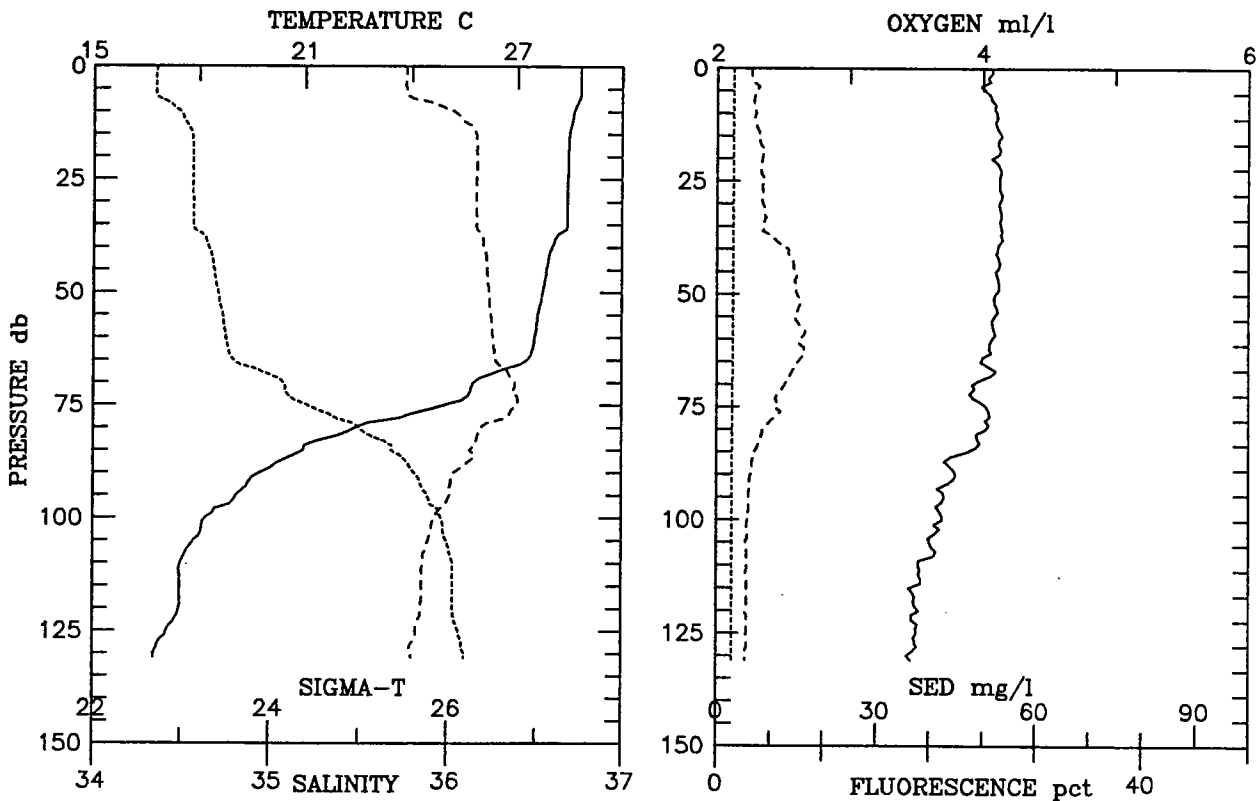
Cruise I9004 Leg 3 Station # 39 Depth m:91 Time: 1990-05-26 23:19
 Position: 3° 22.60'N 49° 6.20'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.739	28.394	17.200	0.0000	4.300	7.1	3.4
5.0		28.835	33.078	20.679	0.0489	4.113	7.4	3.4
10.0		28.837	34.721	21.911	0.0804	4.053	5.0	3.3
15.0		28.738	35.303	22.382	0.1091	4.067	4.8	3.2
20.0		28.500	35.724	22.777	0.1356	4.132	5.2	3.2
25.0		28.282	36.058	23.100	0.1607	4.160	5.4	3.2
30.0		28.016	36.240	23.325	0.1841	4.150	9.0	3.2
35.0		27.985	36.241	23.336	0.2072	4.128	9.3	3.2
40.0		27.944	36.242	23.350	0.2303	4.120	9.7	3.2
45.0		27.858	36.248	23.382	0.2533	4.094	10.8	3.2
50.0		27.648	36.256	23.457	0.2761	4.061	9.4	3.2
55.0		27.358	36.279	23.568	0.2983	4.033	7.8	3.2
60.0		27.011	36.299	23.695	0.3201	4.007	6.7	3.2
65.0		26.702	36.296	23.791	0.3413	3.949	5.4	3.2
70.0		26.346	36.284	23.896	0.3620	3.891	5.0	3.2
75.0		25.468	36.297	24.180	0.3820	3.932	4.7	3.2
80.0		23.972	36.239	24.590	0.4000	3.841	3.9	3.2
85.0		22.680	36.165	24.912	0.4162	3.683	3.3	3.2
88.0		22.617	36.162	24.927	0.4256	3.615	3.2	3.2



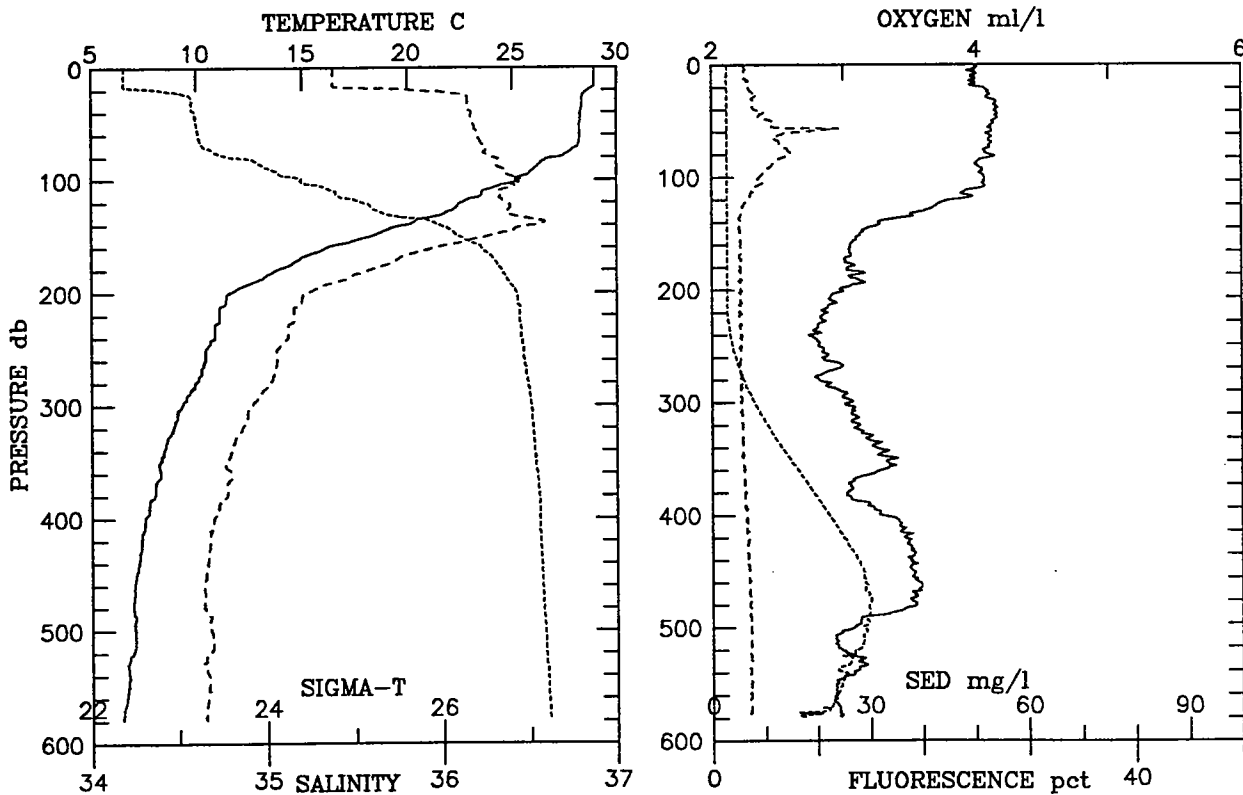
Cruise I9004 Leg 3 Station # 40 Depth m:133 Time: 1990-05-27 01:23
 Position: 3° 37.40'N 48° 54.10'W Depth Deck Offset: -0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.802	35.769	22.710	0.0000	4.070	3.2	3.0
10.0	28.601	36.040	22.981	0.0515	4.104	3.6	3.0
20.0	28.448	36.168	23.128	0.1000	4.068	4.2	3.0
30.0	28.431	36.166	23.132	0.1481	4.124	4.3	3.0
40.0	27.991	36.208	23.308	0.1957	4.110	6.7	3.0
50.0	27.721	36.240	23.421	0.2416	4.092	7.5	3.0
60.0	27.505	36.260	23.506	0.2866	4.071	7.8	3.0
70.0	25.756	36.386	24.158	0.3294	3.922	6.4	2.9
80.0	22.426	36.191	25.004	0.3649	4.019	4.3	2.9
90.0	19.747	36.041	25.624	0.3920	3.796	3.2	2.9
100.0	18.201	35.927	25.934	0.4152	3.698	2.9	2.9
110.0	17.492	35.864	26.060	0.4364	3.521	2.8	2.9
120.0	17.464	35.856	26.061	0.4570	3.521	2.7	2.9
130.0	16.735	35.803	26.195	0.4770	3.436	2.7	2.9
131.0	16.729	35.801	26.195	0.4789	3.465	2.7	2.9



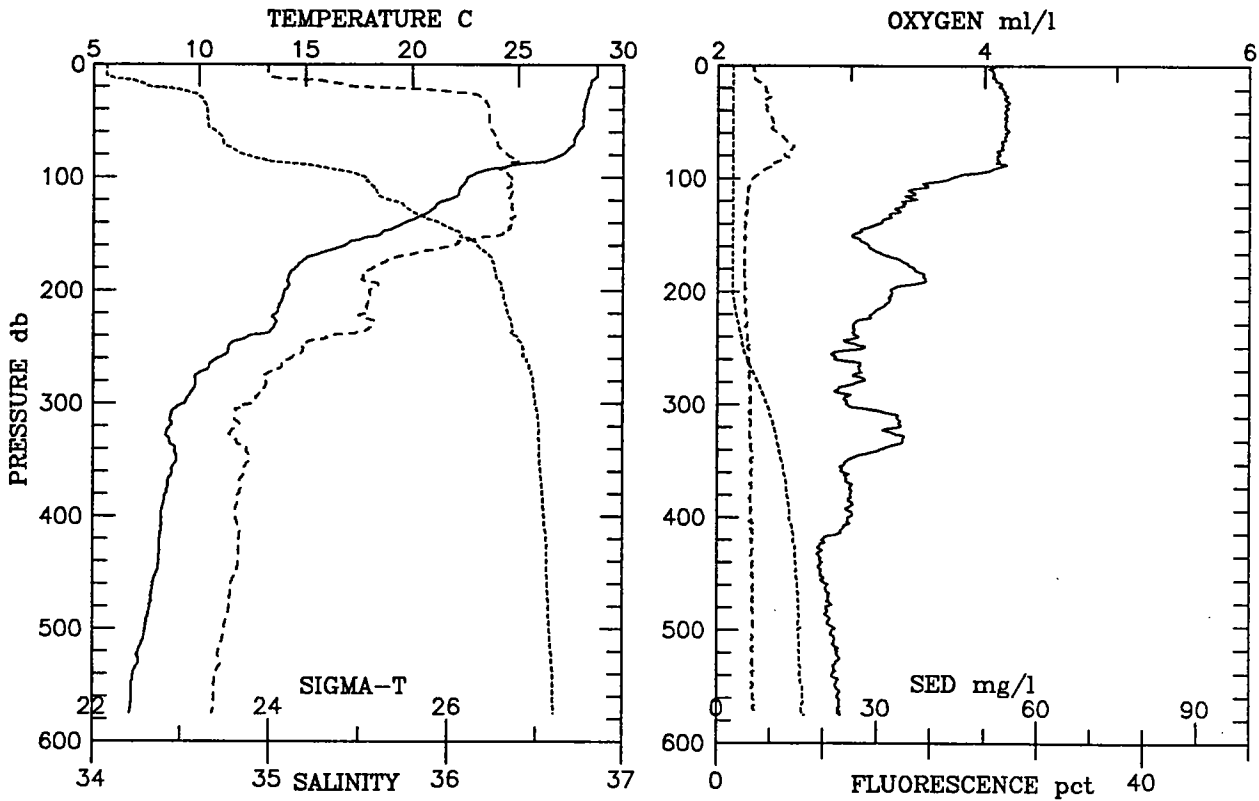
Cruise 19004 Leg 3 Station # 41 Depth m:1375 Time: 1990-05-27 05:11
 Position: 4° 23.90'N 48° 56.50'W Depth Deck Offset: 0.00 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.930	35.375	22.371	0.0000	4.018	3.1	2.8
10.0	28.937	35.376	22.369	0.0553	3.965	3.2	2.7
20.0	28.640	35.835	22.814	0.1098	4.064	3.5	2.8
30.0	28.343	36.146	23.146	0.1583	4.107	3.8	2.8
40.0	28.270	36.165	23.185	0.2062	4.150	4.1	2.8
50.0	28.238	36.177	23.204	0.2538	4.129	5.8	2.8
60.0	28.227	36.199	23.224	0.3013	4.118	7.9	2.8
70.0	28.136	36.229	23.276	0.3485	4.114	6.4	2.8
80.0	27.158	36.295	23.645	0.3939	4.111	7.5	2.8
100.0	25.162	36.435	24.378	0.4731	4.067	4.5	2.8
150.0	18.158	36.254	26.194	0.6125	3.125	2.7	2.8
200.0	11.556	35.220	26.845	0.6908	2.992	2.7	2.8
250.0	10.431	35.057	26.922	0.7558	2.825	2.8	3.9
300.0	9.308	34.918	27.004	0.8177	3.041	2.8	8.1
400.0	7.545	34.697	27.103	0.9328	3.302	3.2	22.3
500.0	7.057	34.681	27.160	1.0423	3.077	3.6	28.6



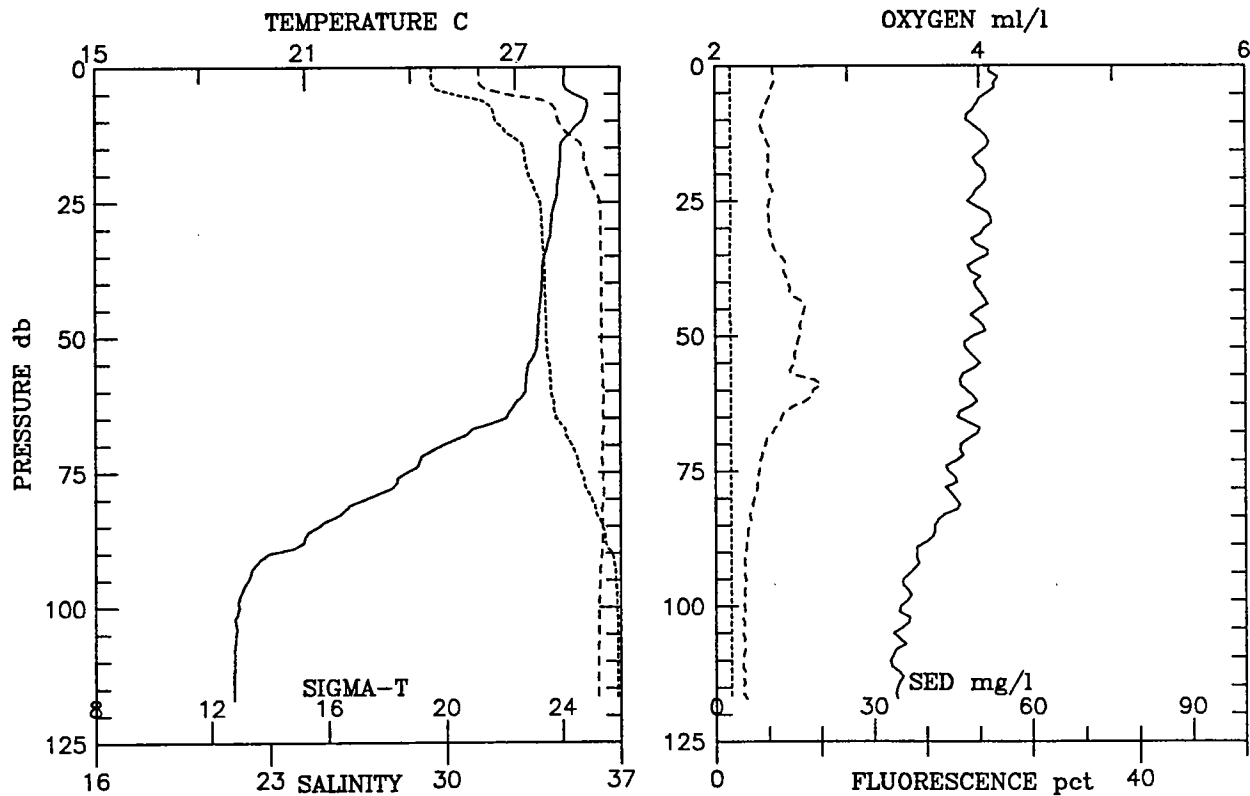
Cruise 19004 Leg 3 Station # 42 Depth m:590 Time: 1990-05-27 08:37
 Position: 4° 11.12'N 49° 11.52'W Depth Deck Offset: -0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.739	34.992	22.147	0.0000	4.074	3.3	2.8
10.0	28.740	34.993	22.148	0.0574	4.058	3.4	2.8
20.0	28.404	35.536	22.667	0.1122	4.136	4.5	2.8
30.0	28.231	36.210	23.231	0.1608	4.158	4.5	2.8
40.0	28.112	36.233	23.287	0.2077	4.157	4.6	2.8
50.0	28.084	36.235	23.298	0.2543	4.158	5.2	2.8
60.0	27.834	36.256	23.396	0.3007	4.159	5.8	2.8
70.0	27.640	36.281	23.478	0.3459	4.139	6.8	2.8
80.0	27.073	36.339	23.705	0.3899	4.091	6.3	2.8
100.0	22.619	36.361	25.078	0.4618	3.742	3.3	2.8
150.0	18.515	36.311	26.149	0.5904	3.012	2.6	2.8
200.0	14.027	35.566	26.620	0.6752	3.307	2.6	2.9
250.0	11.400	35.182	26.845	0.7489	3.089	2.8	4.9
300.0	9.337	34.902	26.987	0.8121	2.983	3.2	9.4
400.0	8.248	34.813	27.090	0.9285	2.983	3.1	13.6
500.0	7.491	34.750	27.152	1.0388	2.867	3.4	15.4



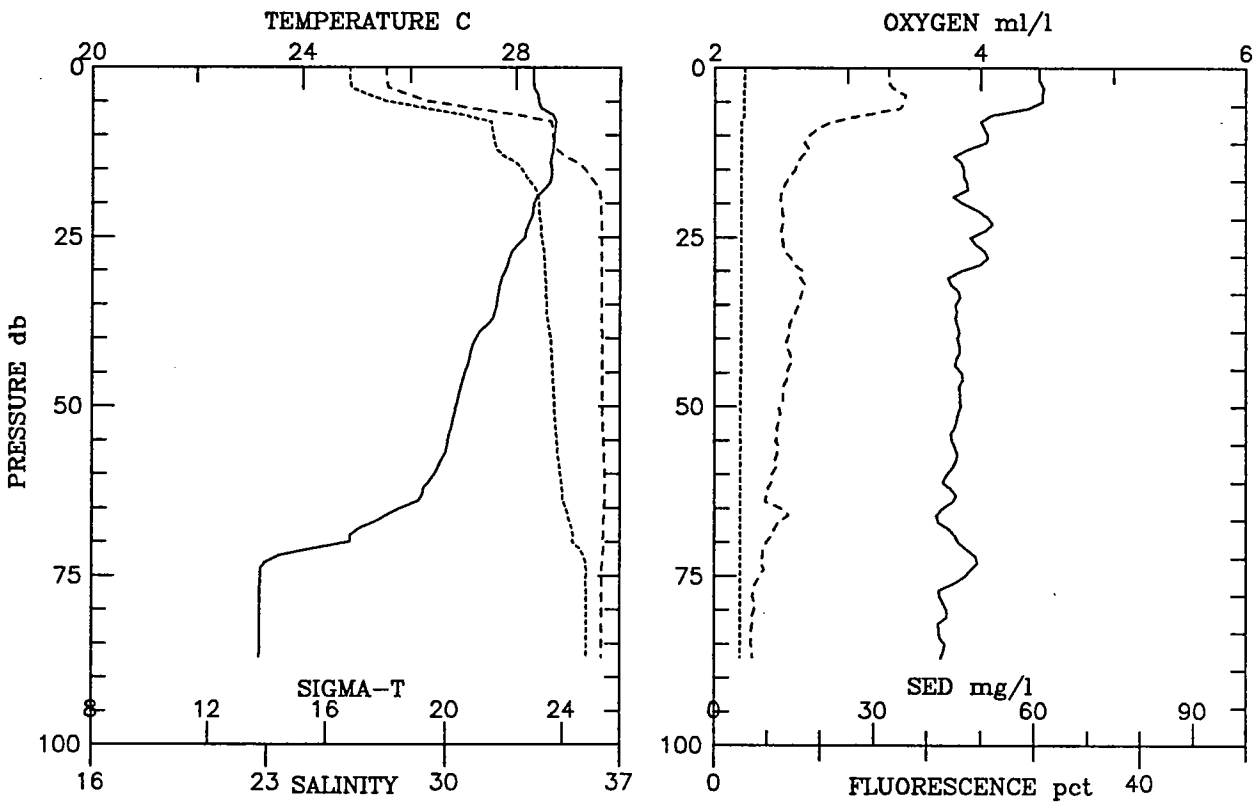
Cruise 19004 Leg 3 Station # 43 Depth m:123 Time: 1990-05-27 11:01
 Position: 3° 57.90'N 49° 19.80'W Depth Deck Offset: 0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.418	31.372	19.536	0.0000	4.079	5.4	2.9
10.0		28.926	34.530	21.738	0.0728	3.905	4.3	2.8
20.0		28.260	35.733	22.863	0.1269	4.049	4.9	2.8
30.0		28.006	36.223	23.315	0.1745	4.042	5.0	2.8
40.0		27.759	36.241	23.410	0.2203	3.964	6.8	2.7
50.0		27.621	36.254	23.465	0.2655	3.954	7.9	2.8
60.0		27.270	36.314	23.623	0.3098	3.905	9.2	2.8
70.0		24.882	36.287	24.352	0.3507	3.861	4.7	2.8
80.0		22.686	36.304	25.015	0.3844	3.816	3.6	2.8
90.0		19.964	36.250	25.727	0.4117	3.524	2.8	2.8
100.0		19.115	36.136	25.861	0.4345	3.400	2.7	2.8
110.0		18.991	36.105	25.869	0.4569	3.322	2.6	2.8
117.0		18.969	36.103	25.874	0.4726	3.377	2.9	2.8



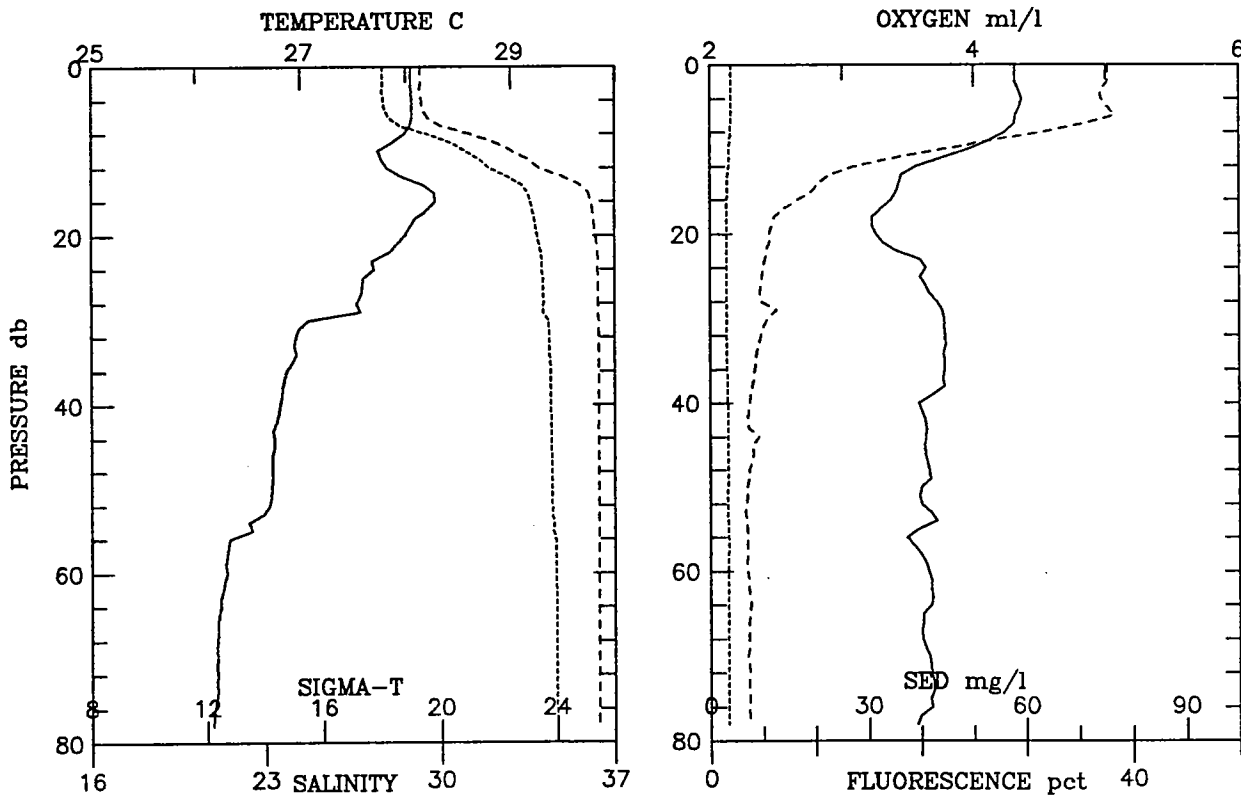
Cruise 19004 Leg 3 Station # 44 Depth m:93 Time: 1990-05-27 13:04
 Position: 3° 46.70'N 49° 31.10'W Depth Deck Offset: -0.17 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.338	27.669	16.787	0.0000	4.439	16.4	5.6
5.0	28.433	29.320	17.993	0.0533	4.461	17.8	5.5
10.0	28.733	34.276	21.612	0.0896	4.055	8.9	5.1
15.0	28.678	35.583	22.612	0.1192	3.877	7.6	5.0
20.0	28.350	36.218	23.198	0.1440	3.872	6.2	5.0
25.0	28.176	36.247	23.277	0.1675	3.921	6.4	5.0
30.0	27.799	36.248	23.402	0.1905	3.849	8.3	5.0
35.0	27.638	36.245	23.452	0.2131	3.813	7.9	5.0
40.0	27.238	36.266	23.597	0.2354	3.827	6.9	5.0
45.0	27.034	36.265	23.662	0.2571	3.861	6.8	5.0
50.0	26.867	36.273	23.722	0.2785	3.849	6.1	4.9
55.0	26.703	36.323	23.811	0.2996	3.787	5.8	4.9
60.0	26.468	36.379	23.928	0.3203	3.747	5.4	4.9
65.0	25.828	36.355	24.111	0.3403	3.715	6.3	4.9
70.0	24.887	36.289	24.352	0.3590	3.835	4.9	4.9
75.0	23.210	36.246	24.819	0.3756	3.882	4.3	4.9
80.0	23.201	36.249	24.824	0.3917	3.747	3.8	4.9
85.0	23.201	36.249	24.824	0.4078	3.736	3.5	4.9
87.0	23.195	36.250	24.827	0.4143	3.706	3.6	4.9



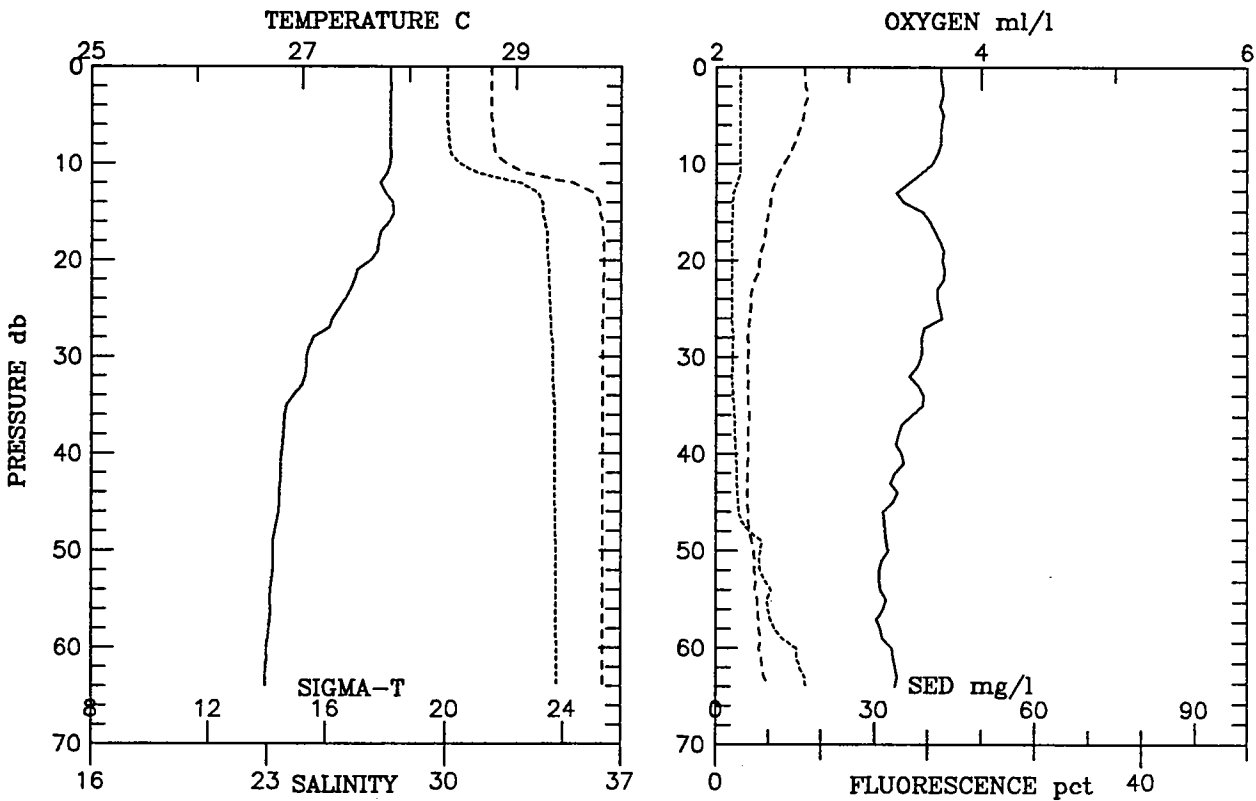
Cruise 19004 Leg 3 Station # 45 Depth m:81 Time: 1990-05-27 15:32
 Position: 3° 34.37'N 49° 44.43'W Depth Deck Offset: -0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.052	29.198	18.025	0.0000	4.316	37.7	3.9
5.0	28.062	29.283	18.085	0.0485	4.352	37.7	3.9
10.0	27.743	32.871	20.879	0.0911	3.966	22.1	3.6
15.0	28.274	35.930	23.006	0.1205	3.415	9.7	3.2
20.0	27.988	36.228	23.325	0.1443	3.261	5.6	3.1
25.0	27.598	36.318	23.520	0.1668	3.595	4.9	3.1
30.0	27.081	36.352	23.713	0.1889	3.776	5.4	3.1
35.0	26.919	36.359	23.770	0.2100	3.777	4.3	3.1
40.0	26.806	36.347	23.797	0.2310	3.586	3.7	3.3
45.0	26.753	36.344	23.811	0.2519	3.628	4.0	3.3
50.0	26.730	36.349	23.822	0.2727	3.604	3.5	3.3
55.0	26.540	36.346	23.881	0.2934	3.576	3.5	3.3
60.0	26.296	36.346	23.958	0.3136	3.655	3.5	3.4
65.0	26.218	36.342	23.980	0.3337	3.612	3.7	3.4
70.0	26.206	36.344	23.985	0.3538	3.662	3.5	3.4
75.0	26.195	36.344	23.989	0.3739	3.673	3.7	3.4
78.0	26.166	36.343	23.997	0.3859	3.569	3.7	3.4



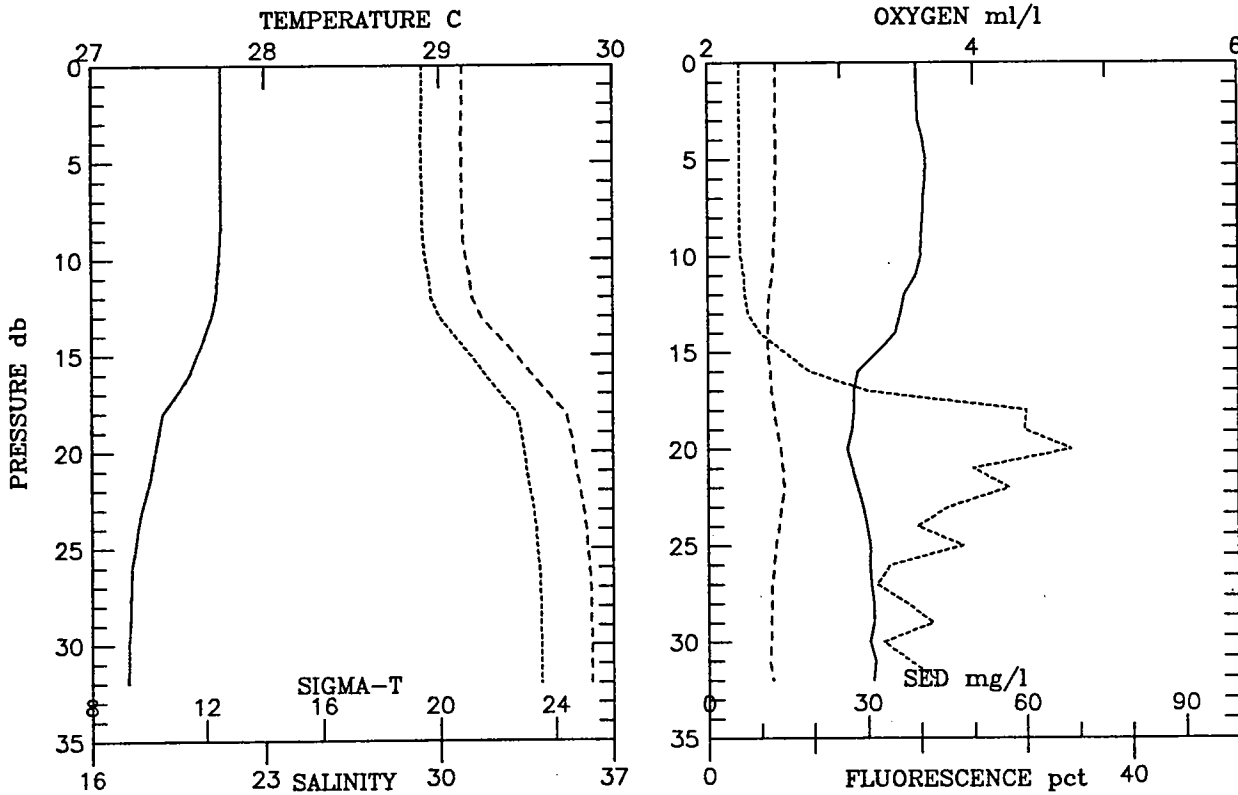
Cruise 19004 Leg 3 Station # 46 Depth m:67 Time: 1990-05-27 17:29
 Position: 3° 23.89'N 49° 55.09'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.822	31.826	20.069	0.0000	3.696	8.4	4.6
5.0		27.822	31.832	20.074	0.0386	3.714	8.3	4.5
10.0		27.817	32.397	20.500	0.0769	3.634	6.4	4.5
15.0		27.852	36.143	23.305	0.1043	3.570	5.0	3.1
20.0		27.641	36.292	23.486	0.1269	3.709	4.1	3.0
25.0		27.350	36.276	23.569	0.1491	3.689	3.3	3.0
30.0		27.036	36.258	23.656	0.1708	3.551	3.1	3.1
35.0		26.848	36.250	23.710	0.1923	3.562	3.1	3.4
40.0		26.801	36.249	23.725	0.2136	3.406	3.1	3.8
45.0		26.782	36.249	23.730	0.2348	3.337	3.0	4.2
50.0		26.723	36.252	23.752	0.2560	3.305	3.6	8.4
55.0		26.695	36.255	23.763	0.2771	3.288	4.0	9.8
60.0		26.663	36.259	23.776	0.2982	3.332	4.1	15.3
64.0		26.648	36.260	23.782	0.3151	3.355	5.1	17.1



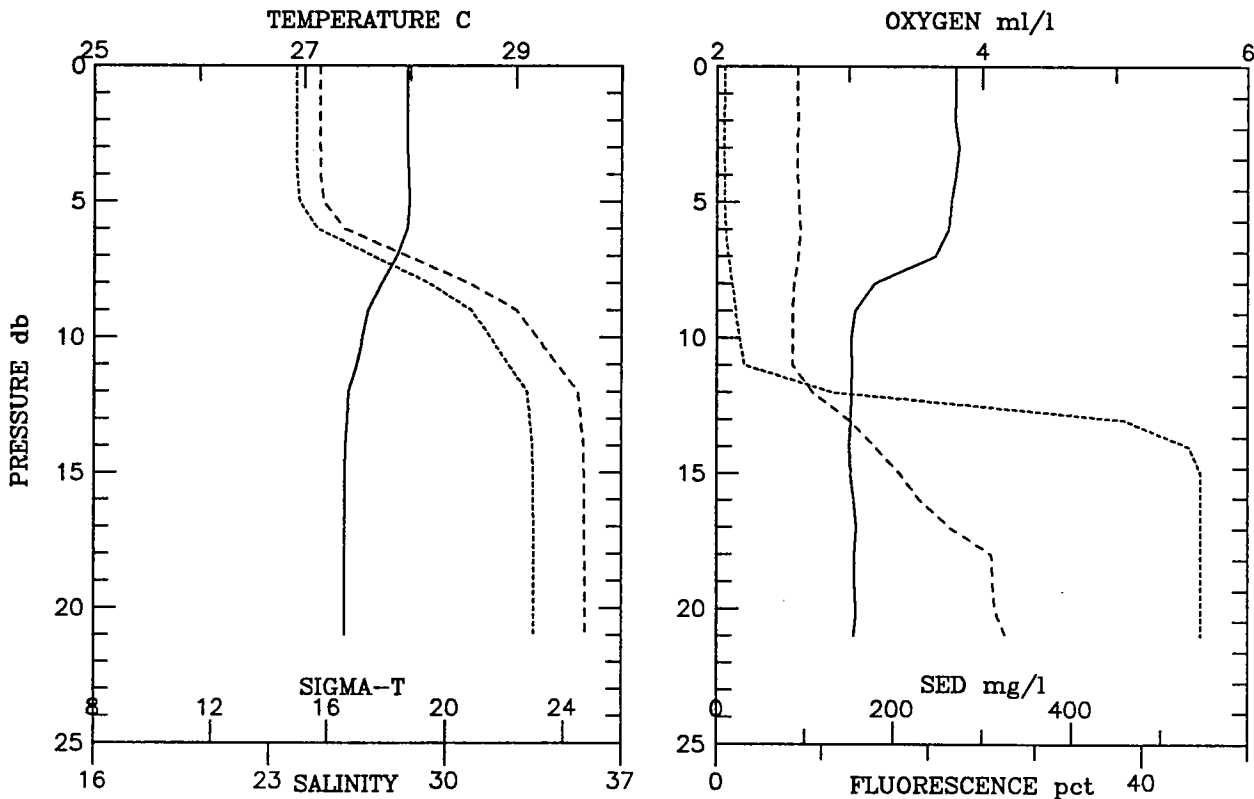
Cruise 19004 Leg 3 Station # 47 Depth m:34 Time: 1990-05-27 19:50
 Position: 3° 18.80'N 50° 0.66'W Depth Deck Offset: 0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.753	30.918	19.410	0.0000	3.574	6.5	6.0
2.0		27.753	30.920	19.412	0.0167	3.580	6.5	6.0
4.0		27.755	30.882	19.383	0.0335	3.624	6.5	6.0
6.0		27.755	30.911	19.405	0.0503	3.637	6.4	6.0
8.0		27.753	30.925	19.415	0.0670	3.619	6.4	6.0
10.0		27.742	31.074	19.530	0.0836	3.601	6.2	6.2
12.0		27.725	31.307	19.711	0.1000	3.476	5.8	7.0
14.0		27.660	32.345	20.511	0.1155	3.410	5.7	10.0
16.0		27.572	33.696	21.555	0.1291	3.128	5.9	19.3
18.0		27.415	35.106	22.666	0.1406	3.100	6.3	60.0
20.0		27.372	35.415	22.913	0.1509	3.048	6.9	68.5
22.0		27.324	35.671	23.121	0.1607	3.129	7.2	56.7
24.0		27.271	35.910	23.319	0.1701	3.197	6.7	39.4
26.0		27.234	36.053	23.438	0.1793	3.216	6.2	34.2
28.0		27.225	36.102	23.478	0.1883	3.247	6.0	37.4
30.0		27.215	36.125	23.499	0.1972	3.214	5.9	32.9
32.0		27.210	36.126	23.501	0.2062	3.241	6.1	42.9



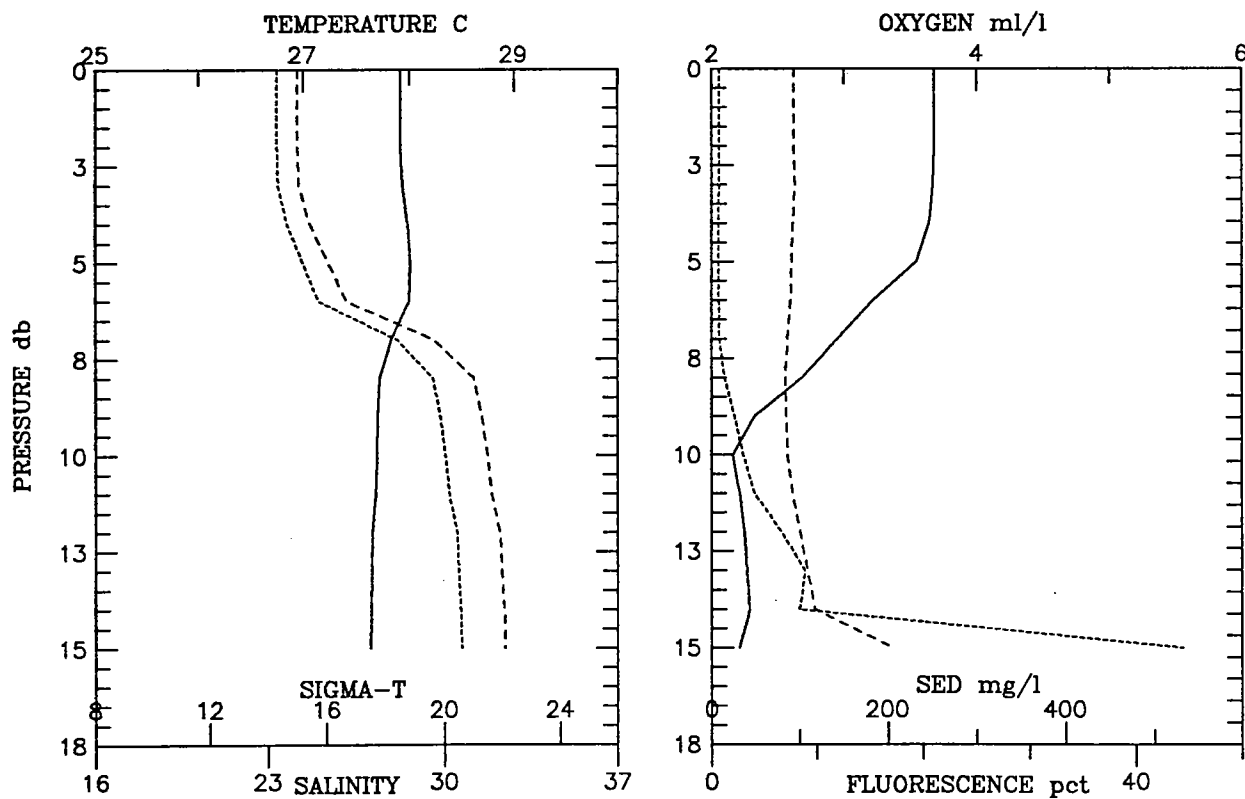
Cruise 19004 Leg 3 Station # 48 Depth m:24 Time: 1990-05-27 21:55
 Position: 3° 11.82'N 50° 6.33'W Depth Deck Offset: -0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)	
0.0	E	27.972	25.025	14.925	0.0000	3.802	7.6	8.0
1.0		27.972	25.025	14.925	0.0127	3.802	7.6	8.0
2.0		27.973	25.025	14.924	0.0254	3.798	7.7	7.9
3.0		27.975	25.028	14.926	0.0381	3.825	7.6	7.9
4.0		27.985	25.048	14.938	0.0508	3.804	7.6	8.0
5.0		27.992	25.162	15.021	0.0634	3.770	7.8	8.5
6.0		27.975	25.998	15.652	0.0757	3.747	7.9	9.7
7.0		27.876	28.445	17.516	0.0868	3.647	7.7	12.7
8.0		27.736	30.942	19.433	0.0961	3.197	7.3	17.2
9.0		27.604	32.812	20.880	0.1038	3.049	7.2	21.3
10.0		27.547	33.639	21.520	0.1104	3.019	7.2	26.0
11.0		27.498	34.423	22.126	0.1165	3.029	7.2	31.4
12.0		27.419	35.257	22.779	0.1219	3.022	9.1	131.8
13.0		27.406	35.367	22.866	0.1270	3.018	12.5	458.2
14.0		27.390	35.479	22.956	0.1320	3.008	15.0	532.1
15.0		27.386	35.502	22.974	0.1370	3.016	17.3	545.5
16.0		27.385	35.510	22.981	0.1419	3.038	19.2	545.5
17.0		27.383	35.522	22.990	0.1469	3.059	22.0	545.5
18.0		27.383	35.520	22.989	0.1518	3.044	25.9	545.5
19.0		27.382	35.528	22.995	0.1568	3.046	26.0	545.5
20.0		27.382	35.527	22.994	0.1617	3.056	26.2	545.5
21.0		27.381	35.530	22.997	0.1666	3.039	27.2	545.5



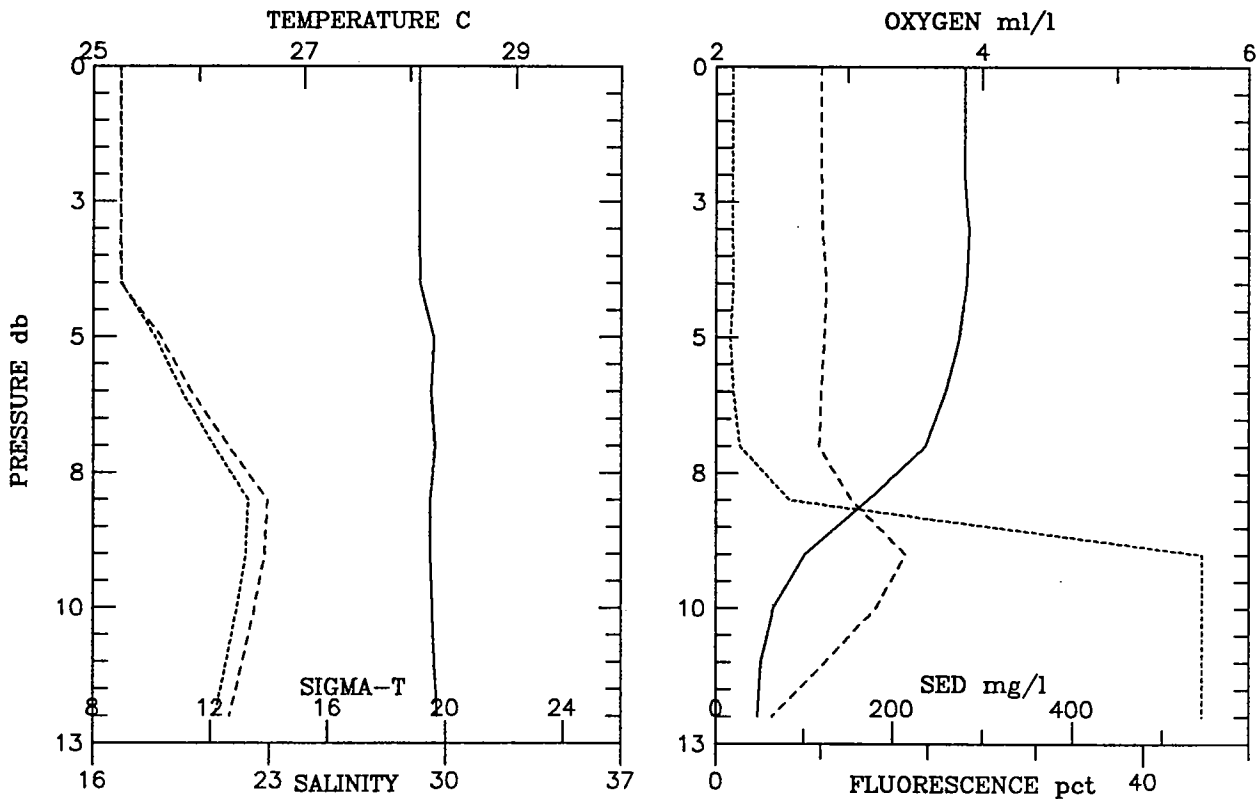
Cruise 19004 Leg 3 Station # 49 Depth m:19 Time: 1990-05-27 23:14
 Position: 2° 59.80'N 50° 14.90'W Depth Deck Offset: -0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.917	24.190	14.317	0.0000	3.680	7.8	8.1
1.0	E 27.916	24.190	14.317	0.0133	3.681	7.8	8.1
2.0	27.916	24.190	14.317	0.0266	3.681	7.8	8.1
3.0	27.935	24.243	14.351	0.0399	3.672	7.9	8.1
4.0	27.984	24.679	14.662	0.0530	3.643	7.7	7.6
5.0	28.008	25.403	15.196	0.0657	3.548	7.6	7.9
6.0	27.996	26.114	15.732	0.0778	3.225	7.5	7.9
7.0	27.823	29.589	18.391	0.0885	2.955	7.2	8.9
8.0	27.721	31.172	19.611	0.0972	2.686	7.0	14.5
9.0	27.702	31.512	19.872	0.1053	2.328	7.1	26.3
10.0	27.691	31.730	20.040	0.1131	2.164	7.2	36.2
11.0	27.679	31.901	20.172	0.1208	2.217	7.7	49.0
12.0	27.652	32.242	20.437	0.1283	2.251	8.4	79.5
13.0	27.647	32.310	20.489	0.1357	2.270	9.1	106.0
14.0	27.640	32.411	20.567	0.1430	2.289	9.8	100.2
15.0	27.634	32.442	20.593	0.1502	2.209	17.1	532.1



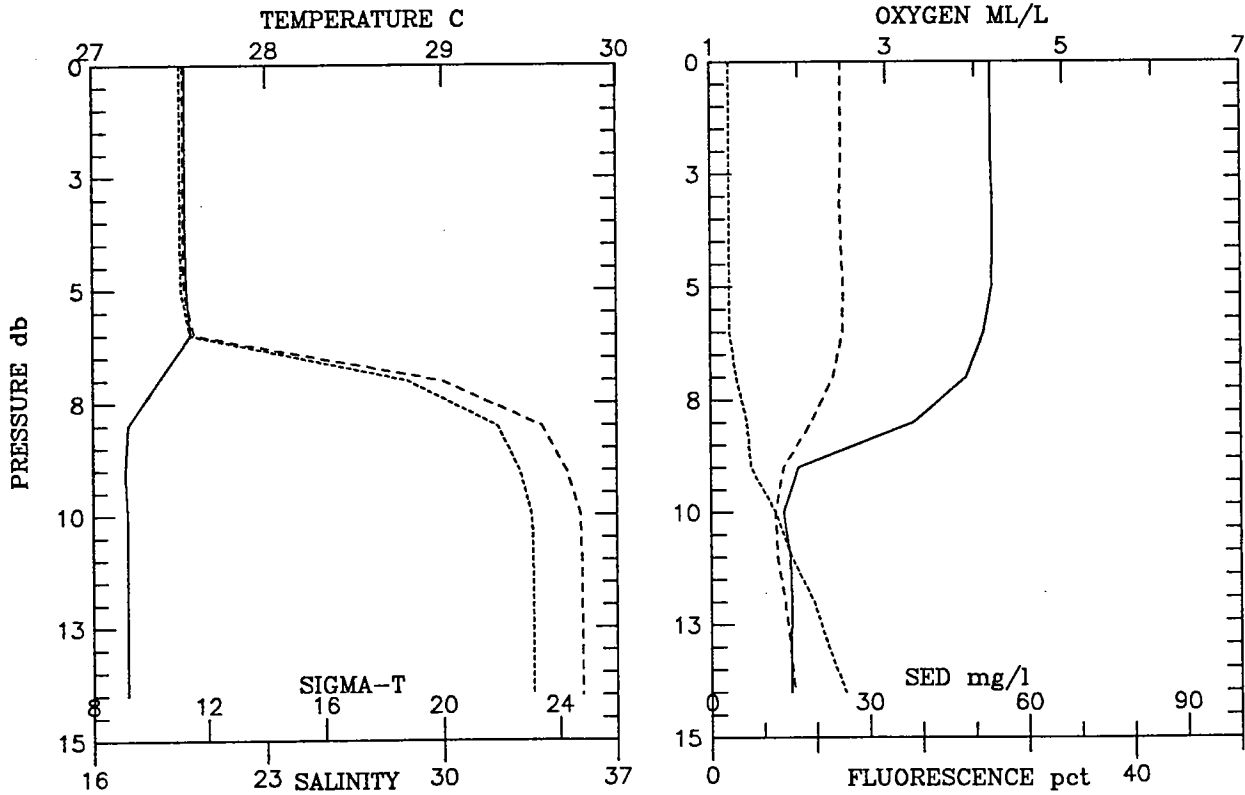
Cruise 19004 Leg 3 Station # 50 Depth m:16 Time: 1990-05-28 01:44
 Position: 2° 47.60'N 50° 26.50'W Depth Deck Offset: 0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.087	17.039	8.925	0.0000	3.871	10.0	18.3
1.0	E	28.087	17.039	8.925	0.0186	3.871	10.0	18.3
2.0		28.086	17.039	8.925	0.0371	3.872	10.0	18.3
3.0		28.087	17.039	8.925	0.0557	3.905	10.1	18.5
4.0		28.091	17.079	8.954	0.0742	3.886	10.5	19.6
5.0		28.220	18.673	10.102	0.0922	3.832	10.3	16.0
6.0		28.195	19.878	11.009	0.1091	3.729	10.0	19.7
7.0		28.233	21.368	12.109	0.1251	3.579	9.8	27.1
8.0		28.190	22.927	13.288	0.1400	3.151	12.9	84.2
9.0		28.187	22.821	13.209	0.1543	2.677	17.9	545.5
10.0		28.206	22.420	12.904	0.1688	2.436	15.1	545.5
11.0		28.228	21.948	12.544	0.1837	2.342	10.4	545.5
12.0		28.258	21.428	12.146	0.1989	2.319	5.3	545.5



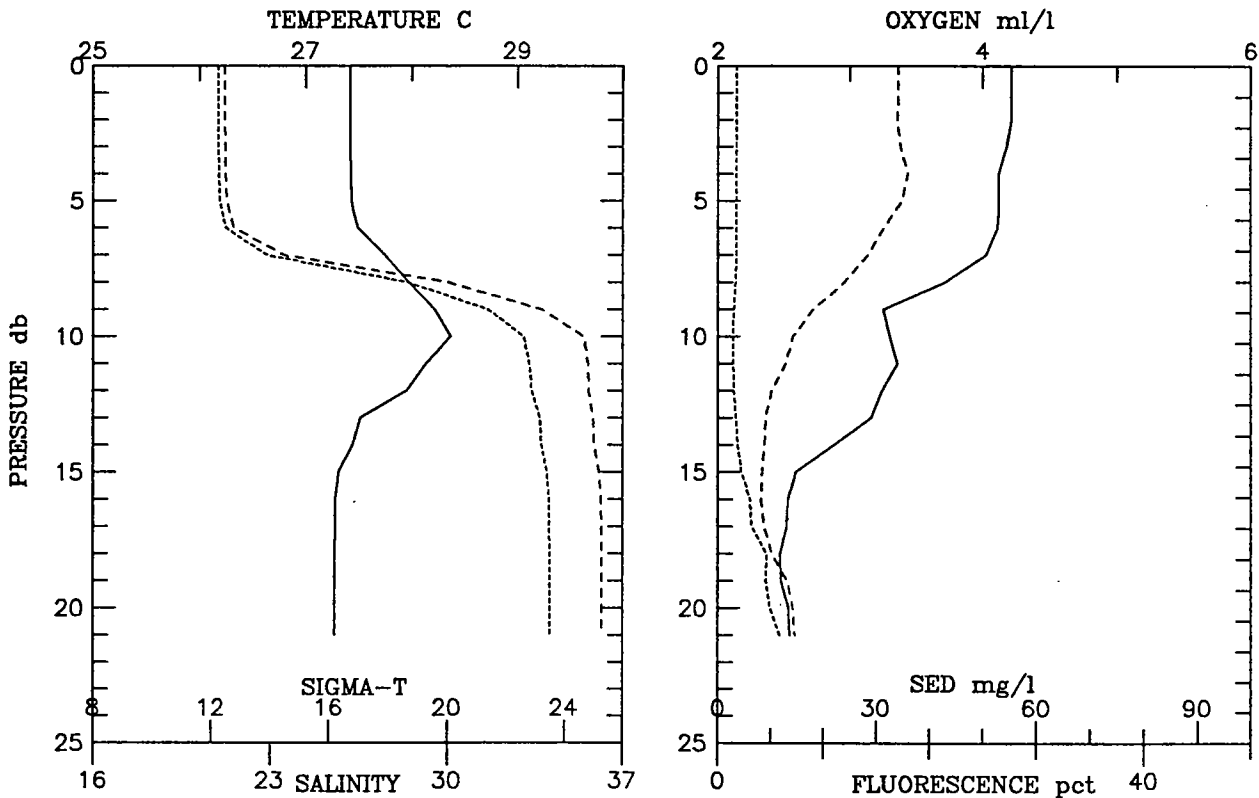
Cruise I9004 Leg 3 Station # 51 Depth m:17 Time: 1990-05-28 09:22
 Position: 4° 3.00'N 50° 55.90'W Depth Deck Offset: 0.35 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.538	19.686	11.068	0.0000	4.184	12.4	3.6
1.0	E 27.538	19.686	11.068	0.0165	4.184	12.4	3.6
2.0	27.537	19.686	11.068	0.0329	4.185	12.4	3.6
3.0	27.539	19.686	11.068	0.0494	4.200	12.3	3.6
4.0	27.538	19.686	11.068	0.0658	4.197	12.4	3.6
5.0	27.547	19.714	11.086	0.0823	4.188	12.6	3.6
6.0	27.569	20.142	11.399	0.0986	4.097	12.5	3.6
7.0	27.386	29.933	18.787	0.1111	3.897	11.6	4.9
8.0	27.205	33.958	21.870	0.1186	3.304	9.5	6.9
9.0	27.189	34.955	22.625	0.1243	1.998	6.9	7.6
10.0	27.199	35.510	23.040	0.1293	1.830	6.1	12.3
11.0	27.201	35.558	23.076	0.1342	1.899	6.3	15.3
12.0	27.202	35.575	23.088	0.1391	1.911	7.0	19.5
13.0	27.202	35.582	23.094	0.1439	1.908	7.5	22.2
14.0	27.202	35.584	23.095	0.1487	1.904	7.9	25.4



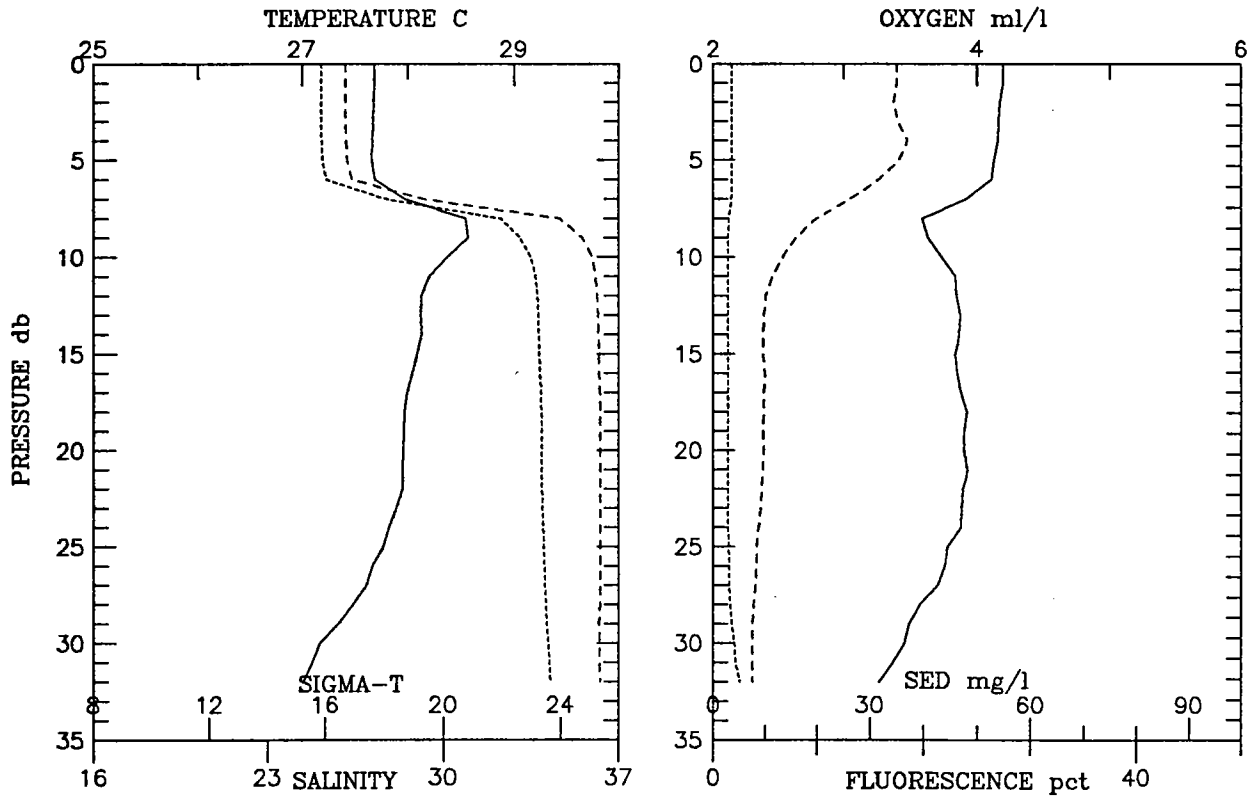
Cruise I9004 Leg 3 Station # 52 Depth m:24 Time: 1990-05-28 10:30
 Position: 4° 8.70'N 50° 54.00'W Depth Deck Offset: -0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.420	21.206	12.240	0.0000	4.216	17.1	3.5
1.0		27.419	21.206	12.240	0.0153	4.216	17.1	3.5
2.0		27.419	21.206	12.240	0.0306	4.216	17.0	3.5
3.0		27.422	21.217	12.247	0.0459	4.179	17.3	3.5
4.0		27.426	21.233	12.258	0.0612	4.120	18.0	3.5
5.0		27.431	21.278	12.290	0.0765	4.121	17.4	3.5
6.0		27.492	21.577	12.495	0.0917	4.113	15.7	3.5
7.0		27.746	23.539	13.884	0.1061	4.023	14.2	3.5
8.0		27.974	30.038	18.679	0.1175	3.714	12.0	3.3
9.0		28.216	33.760	21.394	0.1252	3.252	9.0	3.0
10.0		28.366	35.453	22.617	0.1311	3.300	7.1	2.8
11.0		28.138	35.604	22.806	0.1363	3.358	6.4	2.9
12.0		27.952	35.635	22.890	0.1414	3.245	5.1	3.0
13.0		27.519	35.813	23.165	0.1463	3.164	4.5	3.4
14.0		27.444	35.849	23.217	0.1510	2.878	4.4	3.7
15.0		27.313	36.036	23.400	0.1557	2.587	4.2	4.5
16.0		27.282	36.129	23.480	0.1602	2.533	4.1	6.1
17.0		27.282	36.135	23.484	0.1647	2.522	4.4	6.4
18.0		27.274	36.151	23.499	0.1691	2.475	5.1	9.3
19.0		27.276	36.149	23.497	0.1736	2.480	6.6	9.1
20.0		27.274	36.149	23.497	0.1780	2.536	7.1	9.9
21.0		27.273	36.151	23.499	0.1825	2.545	7.3	11.7



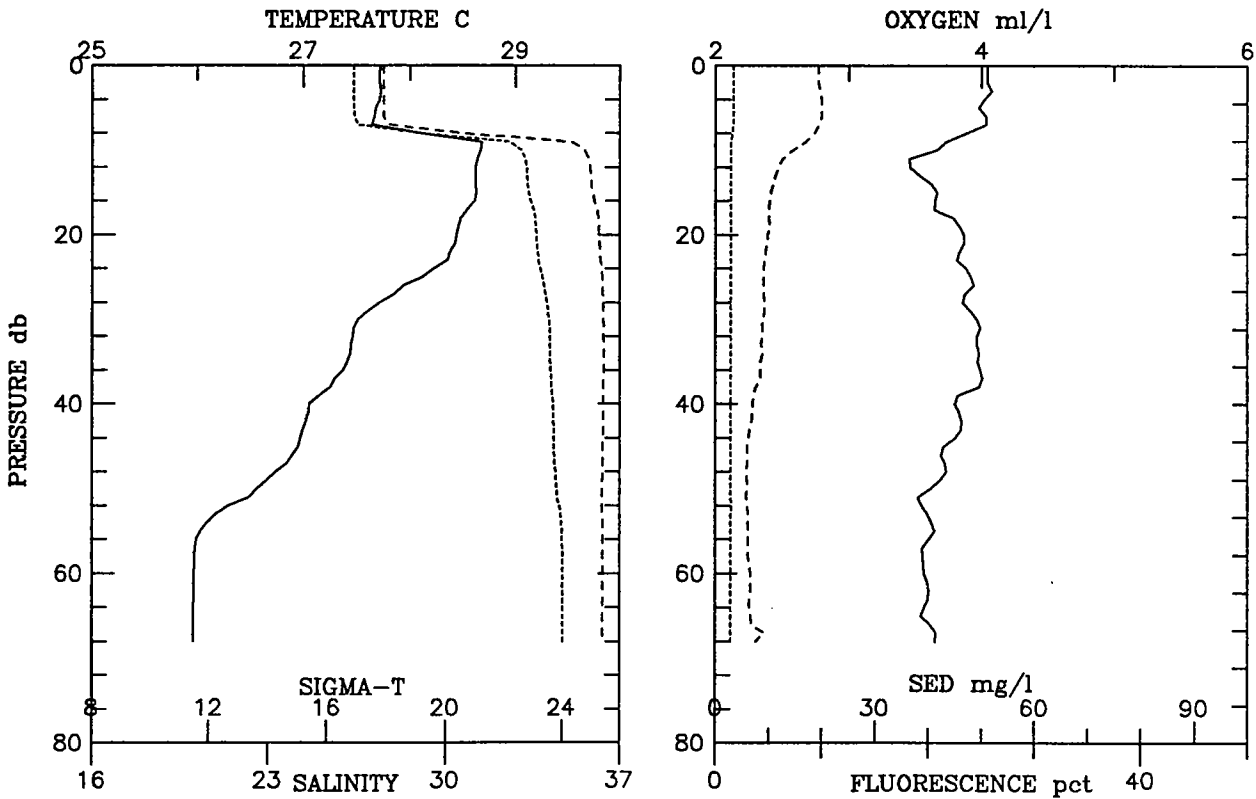
Cruise 19004 Leg 3 Station # 53 Depth m:35 Time: 1990-05-28 12:57
 Position: 4° 15.10'N 50° 50.40'W Depth Deck Offset: 0.25 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.687	26.145	15.853	0.0000	4.193	17.5	3.6
2.0	27.684	26.145	15.854	0.0236	4.170	17.2	3.6
4.0	27.668	26.162	15.871	0.0472	4.158	18.5	3.6
6.0	27.693	26.391	16.035	0.0706	4.108	15.8	3.6
8.0	28.541	34.636	21.945	0.0891	3.589	9.9	3.0
10.0	28.372	35.934	22.977	0.0998	3.735	6.7	2.8
12.0	28.131	36.122	23.198	0.1095	3.847	5.1	2.8
14.0	28.129	36.186	23.247	0.1189	3.868	4.8	2.8
16.0	28.045	36.205	23.289	0.1282	3.849	5.0	2.8
18.0	27.974	36.246	23.342	0.1375	3.925	4.9	2.8
20.0	27.959	36.253	23.353	0.1467	3.906	4.9	2.8
22.0	27.952	36.254	23.356	0.1559	3.893	4.7	2.8
24.0	27.826	36.260	23.402	0.1650	3.879	4.4	2.9
26.0	27.672	36.251	23.445	0.1741	3.757	4.2	3.1
28.0	27.489	36.240	23.497	0.1831	3.568	3.9	3.3
30.0	27.174	36.214	23.579	0.1919	3.457	3.8	4.1
32.0	27.012	36.237	23.648	0.2006	3.270	3.8	5.2



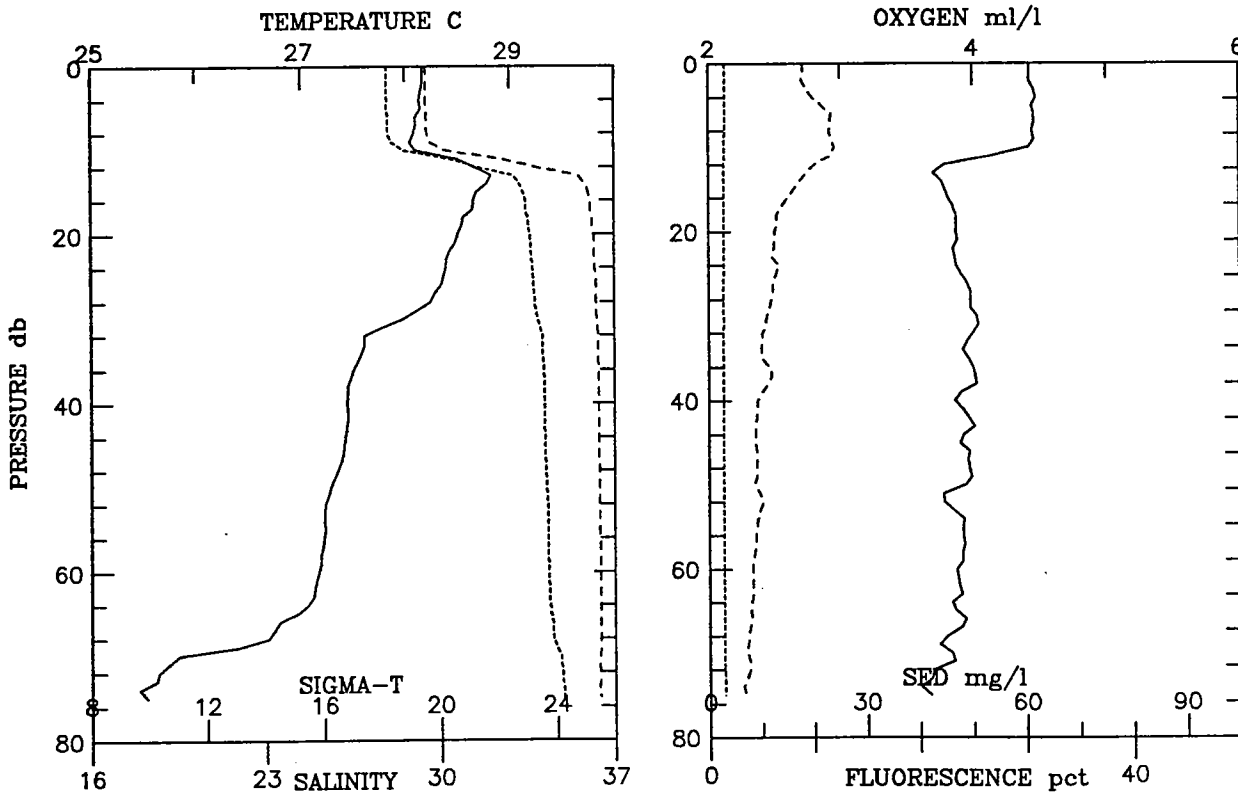
Cruise 19004 Leg 3 Station # 54 Depth m:71 Time: 1990-05-28 14:18
 Position: 4° 20.20'N 50° 42.50'W Depth Deck Offset: 0.00 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.721	27.565	16.905	0.0000	4.043	9.7	3.4
5.0		27.684	27.564	16.916	0.0539	3.979	10.0	3.4
10.0		28.671	35.595	22.623	0.0977	3.666	7.3	2.8
15.0		28.628	35.912	22.876	0.1234	3.668	5.2	2.8
20.0		28.440	36.157	23.122	0.1479	3.871	4.9	2.8
25.0		28.110	36.292	23.332	0.1716	3.922	4.5	2.8
30.0		27.518	36.338	23.561	0.1941	3.966	4.4	2.8
35.0		27.414	36.344	23.599	0.2160	3.971	4.2	2.8
40.0		27.055	36.322	23.698	0.2377	3.801	3.5	2.8
45.0		26.954	36.307	23.719	0.2590	3.717	3.0	2.8
50.0		26.567	36.275	23.819	0.2801	3.617	3.0	2.9
55.0		26.030	36.290	23.999	0.3005	3.649	3.1	2.9
60.0		25.974	36.291	24.018	0.3204	3.569	3.3	2.9
65.0		25.964	36.291	24.021	0.3403	3.546	3.3	2.9
68.0		25.963	36.292	24.022	0.3523	3.654	3.8	2.9



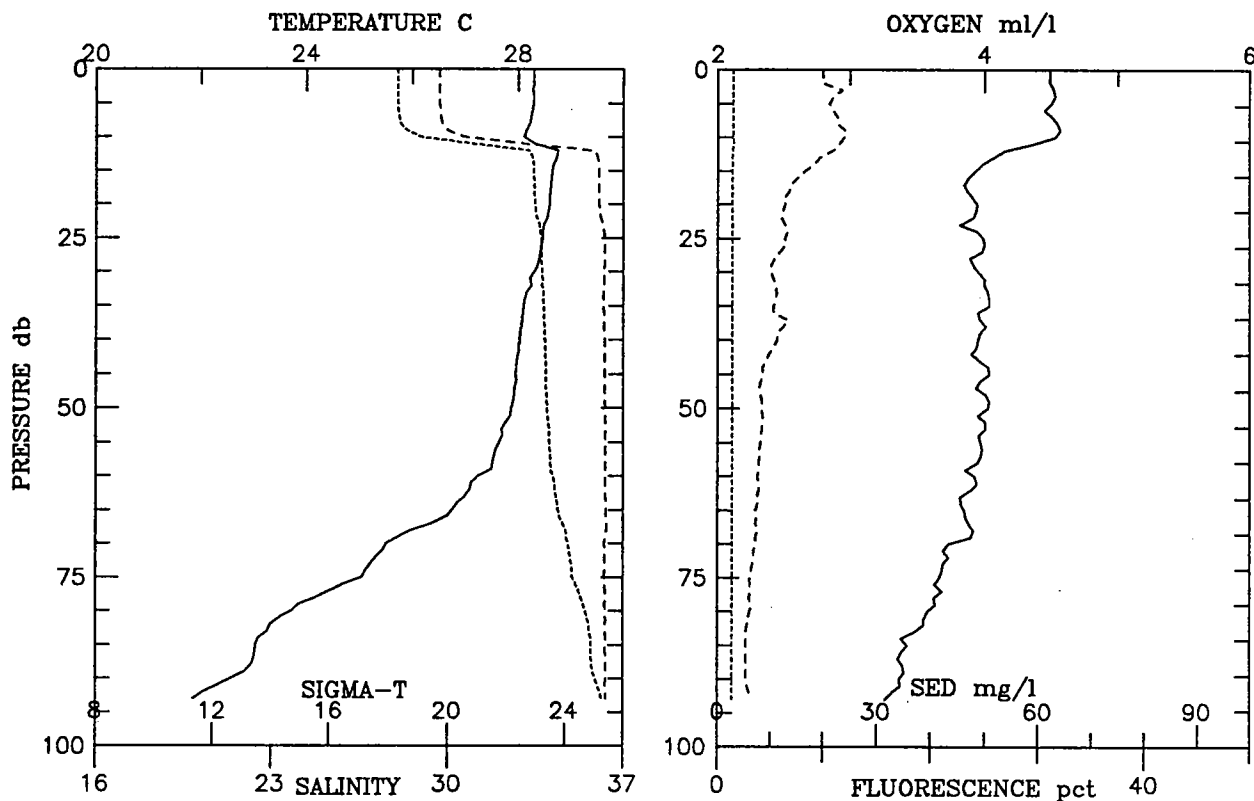
Cruise I9004 Leg 3 Station # 55 Depth m:78 Time: 1990-05-28 16:32
 Position: 4° 28.91'N 50° 30.85'W Depth Deck Offset: 0.25 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.171	29.452	18.176	0.0000	4.428	9.0	3.1
5.0		28.152	29.455	18.184	0.0477	4.450	10.8	3.1
10.0		28.096	30.212	18.770	0.0950	4.422	12.0	3.0
15.0		28.690	35.941	22.877	0.1266	3.793	8.1	2.8
20.0		28.503	36.157	23.101	0.1513	3.873	6.3	2.8
25.0		28.367	36.237	23.207	0.1753	3.913	6.4	2.8
30.0		27.985	36.268	23.356	0.1987	4.029	5.5	2.8
35.0		27.549	36.339	23.552	0.2210	3.966	5.0	2.7
40.0		27.447	36.345	23.590	0.2430	3.867	4.6	2.7
45.0		27.414	36.358	23.610	0.2648	3.903	4.4	2.7
50.0		27.286	36.370	23.660	0.2866	3.944	4.3	2.7
55.0		27.231	36.383	23.688	0.3081	3.924	4.5	2.7
60.0		27.165	36.397	23.719	0.3295	3.877	4.1	2.7
65.0		26.964	36.410	23.794	0.3507	3.870	3.9	2.7
70.0		25.843	36.378	24.125	0.3712	3.834	3.5	2.7
75.0		25.534	36.387	24.227	0.3903	3.674	3.4	2.8



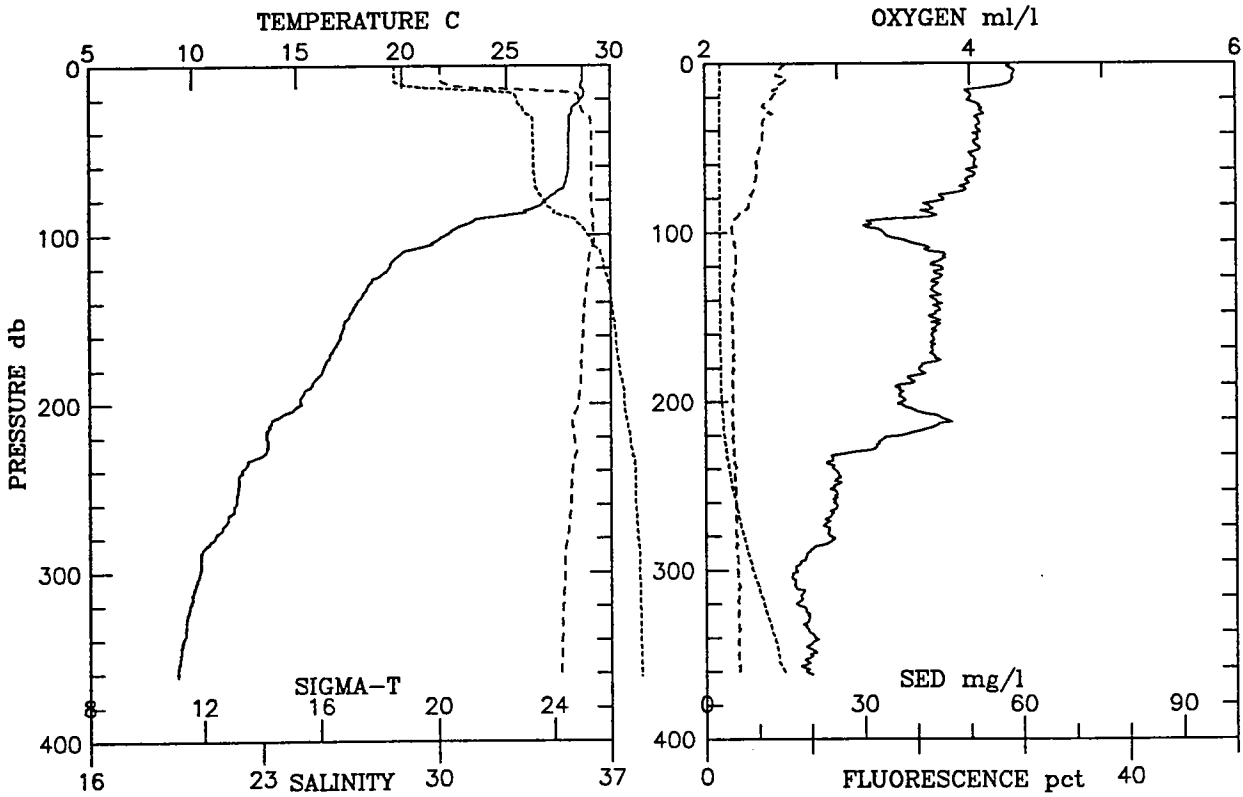
Cruise I9004 Leg 3 Station # 56 Depth m:95 Time: 1990-05-28 18:15
 Position: 4° 39.09'N 50° 23.09'W Depth Deck Offset: 0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.293	29.682	18.309	0.0000	4.488	10.0	2.9
5.0		28.301	29.678	18.304	0.0471	4.496	10.6	2.9
10.0		28.113	30.649	19.093	0.0935	4.523	12.0	2.9
15.0		28.644	36.009	22.943	0.1225	3.932	8.3	2.7
20.0		28.596	36.032	22.977	0.1473	3.949	6.4	2.7
25.0		28.462	36.253	23.187	0.1716	3.993	6.4	2.7
30.0		28.306	36.224	23.217	0.1954	3.951	5.1	2.7
35.0		28.099	36.208	23.273	0.2189	4.034	5.3	2.7
40.0		28.033	36.235	23.315	0.2422	3.953	5.7	2.7
45.0		27.959	36.245	23.347	0.2653	4.034	4.3	2.7
50.0		27.875	36.267	23.391	0.2883	4.027	4.2	2.7
55.0		27.638	36.274	23.474	0.3110	3.971	4.1	2.7
60.0		27.240	36.269	23.599	0.3334	3.927	3.8	2.7
65.0		26.758	36.291	23.770	0.3549	3.853	3.6	2.7
70.0		25.522	36.232	24.114	0.3751	3.736	3.6	2.7
75.0		25.059	36.232	24.257	0.3942	3.667	3.1	2.7
80.0		23.733	36.272	24.686	0.4119	3.581	3.1	2.7
85.0		23.045	36.285	24.897	0.4280	3.430	2.7	2.7
90.0		22.581	36.297	25.040	0.4436	3.371	2.7	2.7
93.0		21.854	36.303	25.251	0.4524	3.263	3.1	2.7



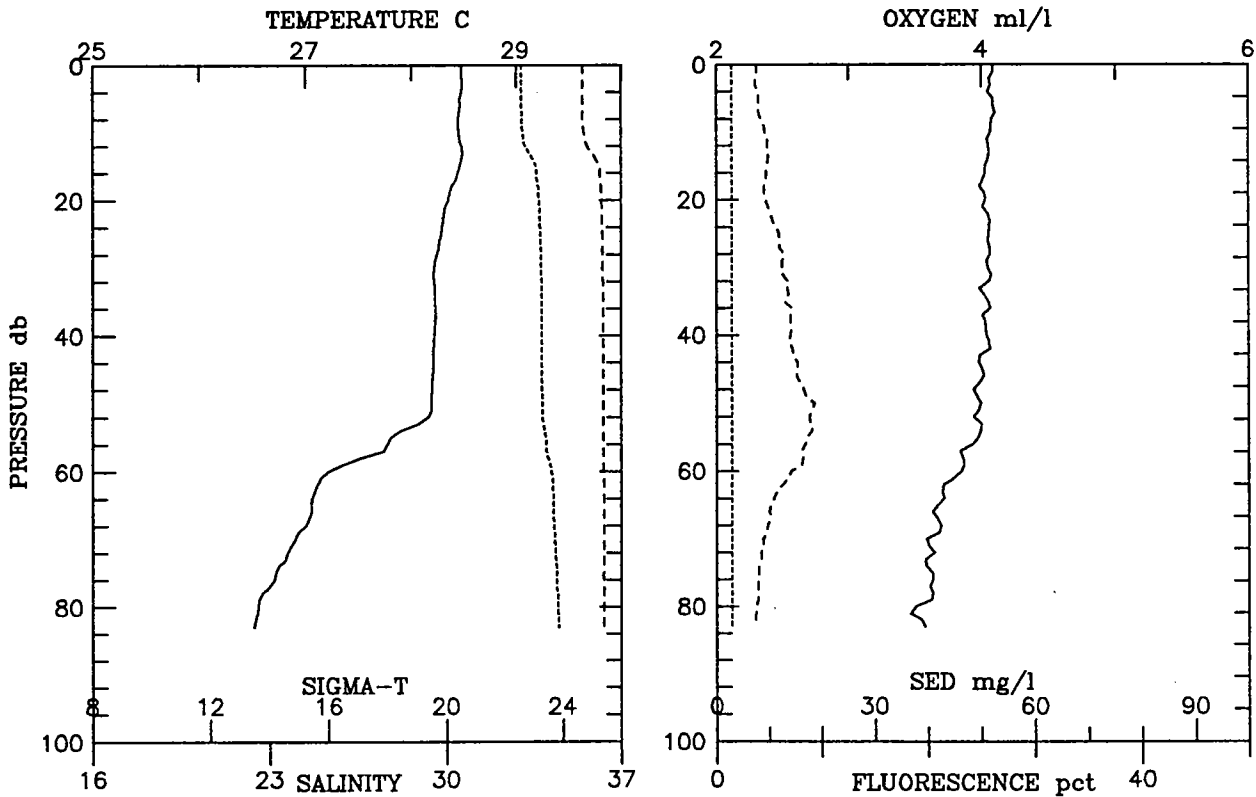
Cruise 19004 Leg 3 Station # 57 Depth m:362 Time: 1990-05-28 20:02
 Position: 4° 51.63'N 50° 13.40'W Depth Deck Offset: 0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.633	30.137	18.540	0.0000	4.304	7.5	2.8
10.0		28.618	30.207	18.597	0.0920	4.323	7.6	2.8
20.0		28.573	35.715	22.746	0.1594	4.005	6.4	2.7
30.0		28.000	36.141	23.255	0.2094	4.109	6.4	2.7
40.0		27.994	36.213	23.312	0.2559	4.072	5.5	2.7
50.0		27.985	36.216	23.317	0.3024	4.075	5.2	2.7
60.0		27.967	36.218	23.324	0.3488	4.030	4.9	2.7
70.0		27.788	36.232	23.393	0.3950	3.981	4.7	2.7
80.0		26.840	36.228	23.697	0.4397	3.801	4.3	2.7
100.0		22.100	36.327	25.200	0.5110	3.350	2.5	2.7
150.0		17.382	35.890	26.106	0.6265	3.707	2.5	2.7
200.0		15.187	35.680	26.456	0.7204	3.486	2.6	3.0
250.0		12.184	35.366	26.839	0.7952	2.970	2.7	4.9
300.0		10.348	35.109	26.977	0.8599	2.684	3.0	8.8



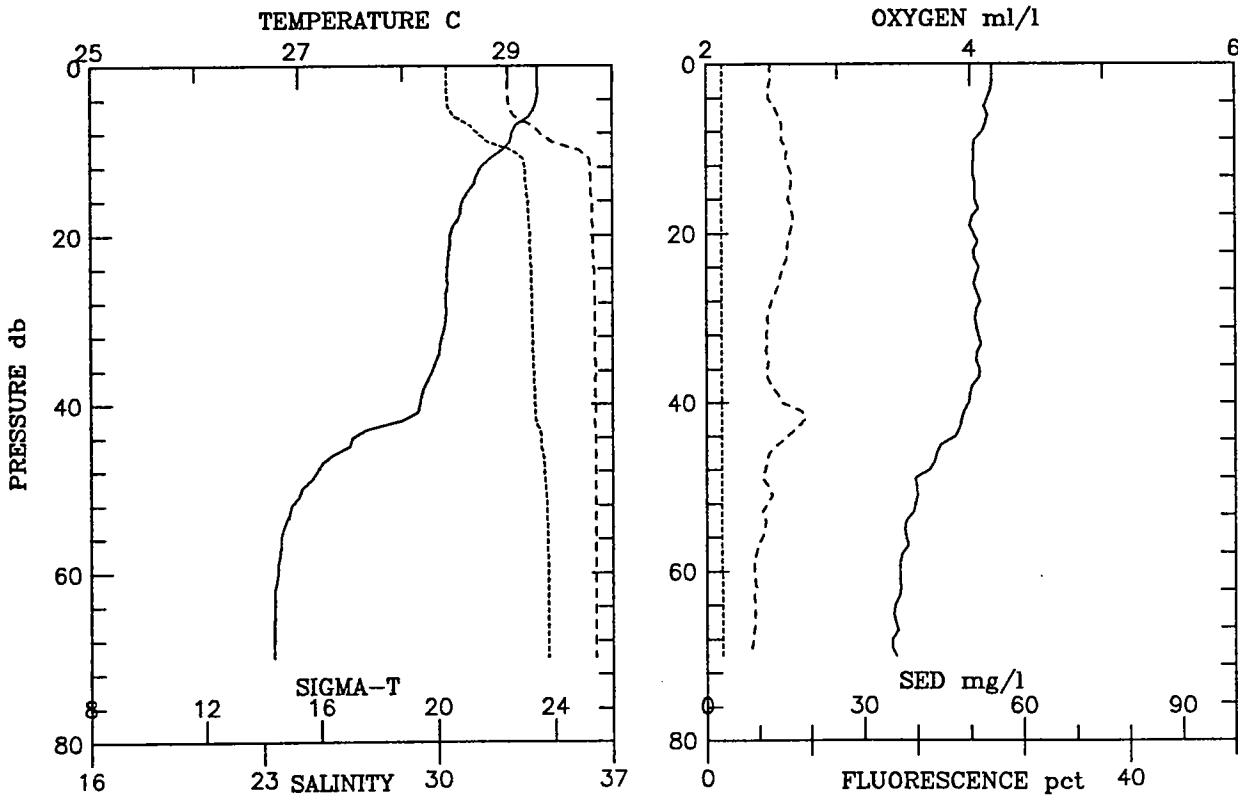
Cruise I9004 Leg 3 Station # 58 Depth m:87 Time: 1990-05-29 16:31
 Position: 2° 27.81'N 48° 26.89'W Depth Deck Offset: 0.00 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.482	35.454	22.579	0.0000	4.089	3.8	2.9
5.0		28.464	35.456	22.587	0.0266	4.088	4.0	2.9
10.0		28.458	35.520	22.637	0.0532	4.068	4.6	2.9
15.0		28.460	36.131	23.096	0.0787	4.030	4.8	2.9
20.0		28.353	36.203	23.185	0.1027	4.032	4.7	2.9
25.0		28.287	36.236	23.232	0.1263	4.056	5.9	2.9
30.0		28.219	36.257	23.271	0.1498	4.048	6.2	2.9
35.0		28.230	36.268	23.275	0.1732	4.053	6.5	2.9
40.0		28.222	36.272	23.281	0.1965	4.038	7.0	2.9
45.0		28.206	36.272	23.286	0.2199	4.005	7.7	2.9
50.0		28.188	36.281	23.299	0.2433	3.995	9.3	2.9
55.0		27.801	36.283	23.427	0.2664	3.978	8.6	2.9
60.0		27.215	36.285	23.619	0.2888	3.851	7.1	2.9
65.0		27.059	36.297	23.678	0.3104	3.672	5.1	2.9
70.0		26.902	36.295	23.727	0.3319	3.587	4.4	2.9
75.0		26.724	36.285	23.776	0.3531	3.632	4.0	2.9
80.0		26.557	36.290	23.833	0.3740	3.508	3.8	2.9
83.0		26.524	36.298	23.850	0.3865	3.573	3.8	2.9



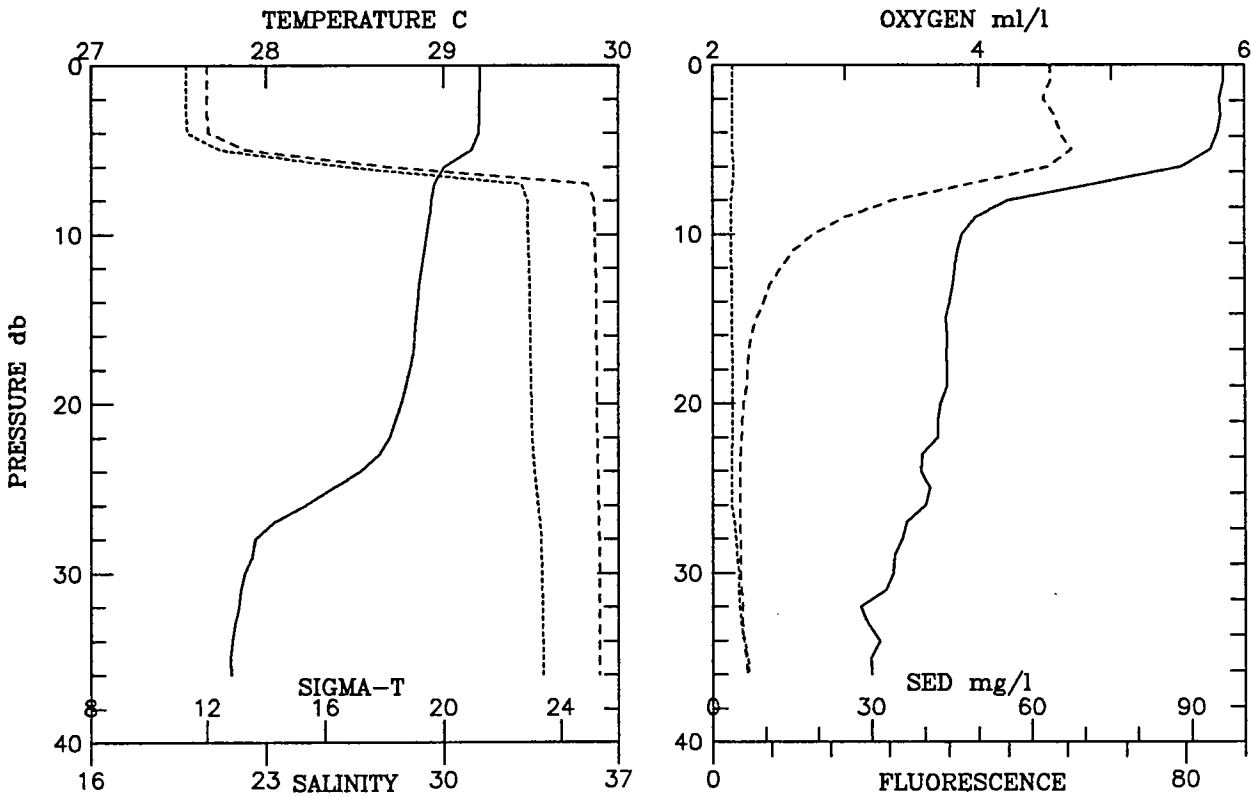
Cruise 19004 Leg 3 Station # 59 Depth m:72 Time: 1990-05-29 18:00
 Position: 2° 20.76'N 48° 33.36'W Depth Deck Offset: 0.33 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	29.284	32.791	20.314	0.0000	4.166	6.1	3.0
5.0		29.251	32.862	20.379	0.0374	4.108	6.5	3.0
10.0		28.952	35.653	22.573	0.0704	4.025	7.7	3.0
15.0		28.617	36.132	23.044	0.0953	4.035	8.0	2.9
20.0		28.450	36.201	23.152	0.1195	4.024	8.0	2.8
25.0		28.418	36.244	23.195	0.1434	4.039	7.1	2.8
30.0		28.408	36.282	23.227	0.1670	4.036	5.8	2.8
35.0		28.313	36.287	23.262	0.1906	4.044	5.9	2.8
40.0		28.163	36.287	23.312	0.2139	3.987	7.2	2.8
45.0		27.499	36.288	23.529	0.2367	3.777	6.8	2.8
50.0		27.041	36.296	23.684	0.2584	3.595	5.9	2.8
55.0		26.850	36.298	23.746	0.2798	3.508	5.5	2.9
60.0		26.799	36.295	23.760	0.3009	3.469	4.5	2.9
65.0		26.768	36.296	23.770	0.3220	3.421	4.6	3.0
70.0		26.766	36.295	23.770	0.3431	3.437	4.3	3.0



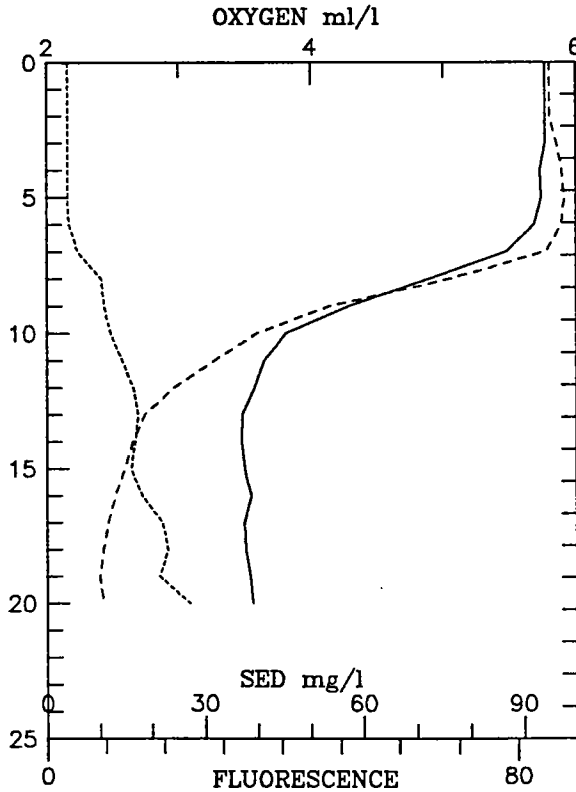
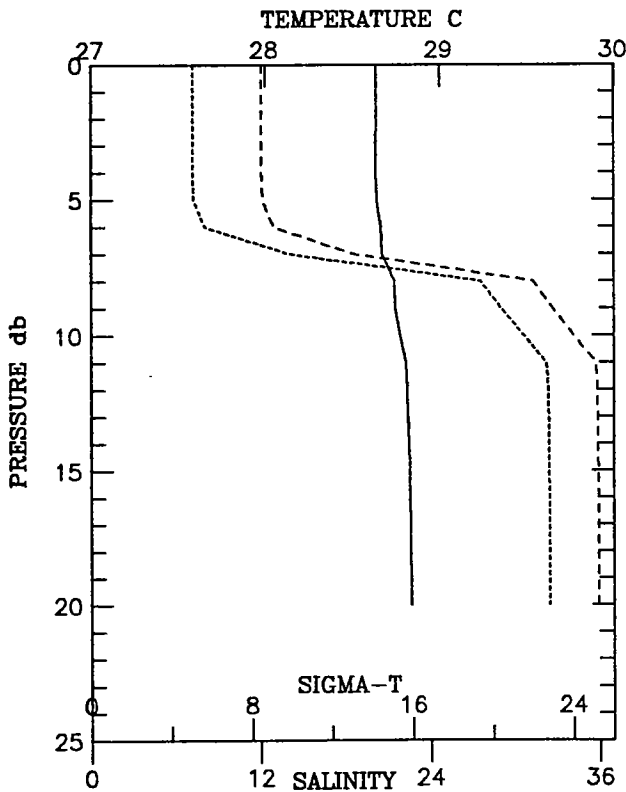
Cruise I9004 Leg 3 Station # 60 Depth m:38 Time: 1990-05-29 20:02
 Position: 2° 14.32'N 48° 40.86'W Depth Deck Offset: 0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	29.210	20.667	11.278	0.0000	5.839	57.1	3.7
2.0		29.207	20.666	11.278	0.0325	5.810	55.9	3.7
4.0		29.202	20.718	11.319	0.0650	5.794	58.8	3.7
6.0		29.004	27.825	16.689	0.0937	5.523	56.7	4.0
8.0		28.933	36.027	22.860	0.1070	4.231	30.6	3.5
10.0		28.908	36.047	22.883	0.1171	3.876	17.1	3.5
12.0		28.878	36.077	22.916	0.1271	3.823	11.6	3.5
14.0		28.856	36.095	22.937	0.1371	3.784	8.7	3.6
16.0		28.838	36.108	22.953	0.1471	3.761	6.5	3.6
18.0		28.810	36.116	22.968	0.1570	3.763	5.9	3.7
20.0		28.761	36.126	22.992	0.1669	3.715	5.2	3.7
22.0		28.694	36.134	23.020	0.1768	3.698	4.9	3.7
24.0		28.532	36.162	23.095	0.1866	3.568	4.6	3.6
26.0		28.221	36.188	23.218	0.1961	3.602	4.6	3.6
28.0		27.938	36.212	23.329	0.2055	3.430	4.7	4.4
30.0		27.879	36.218	23.353	0.2147	3.358	4.7	4.9
32.0		27.848	36.219	23.363	0.2239	3.119	5.1	5.1
34.0		27.812	36.224	23.379	0.2331	3.257	5.3	5.9
36.0		27.803	36.225	23.383	0.2422	3.201	5.9	6.9



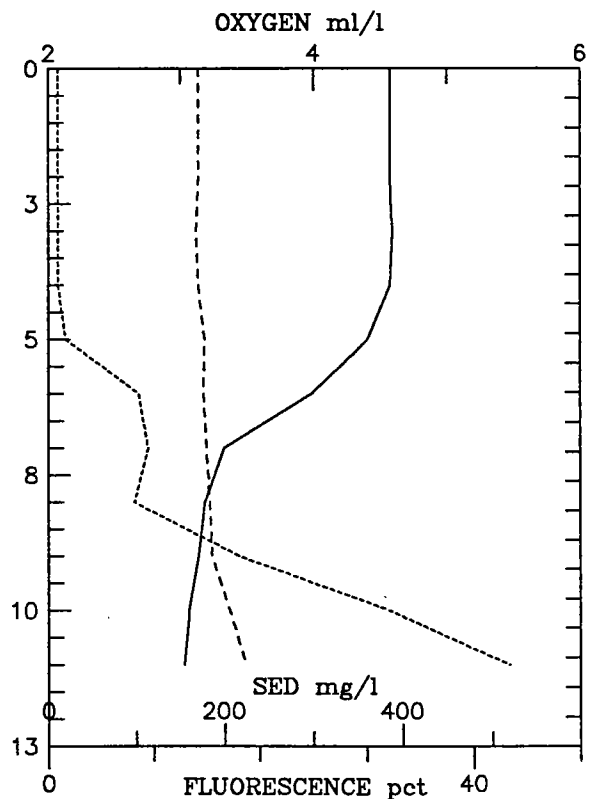
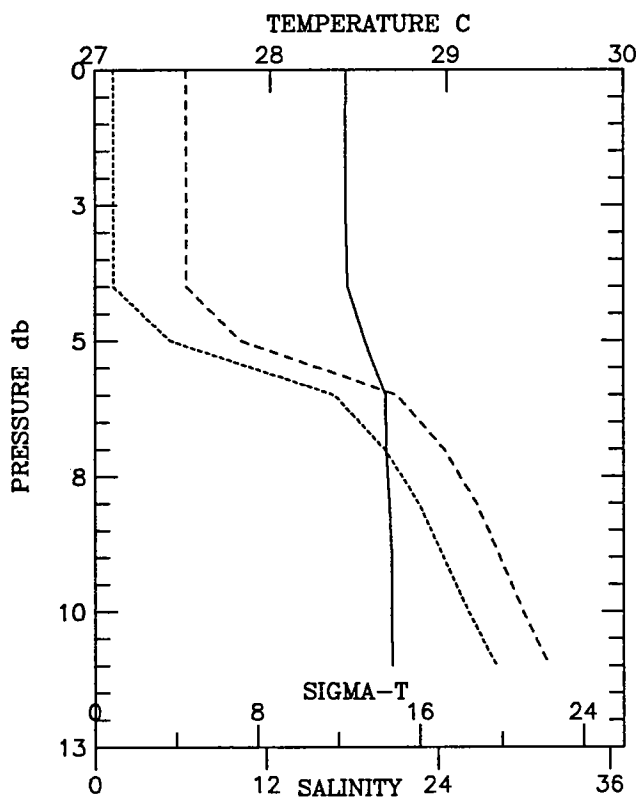
Cruise 19004 Leg 3 Station # 61 Depth m:24 Time: 1990-05-29 22:51
 Position: 2° 6.69'N 48° 49.09'W Depth Deck Offset: 0.00 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)	
0.0	E	28.639	12.089	5.068	0.0000	5.766	85.5	4.0
1.0	E	28.639	12.088	5.068	0.0224	5.766	85.5	4.0
2.0		28.639	12.088	5.068	0.0447	5.767	85.5	4.0
3.0		28.635	12.087	5.068	0.0671	5.766	86.7	3.9
4.0		28.635	12.097	5.076	0.0894	5.726	87.6	4.0
5.0		28.642	12.166	5.125	0.1118	5.739	88.0	3.9
6.0		28.662	12.932	5.689	0.1338	5.683	87.6	4.2
7.0		28.670	18.590	9.901	0.1535	5.474	84.8	5.9
8.0		28.738	31.279	19.361	0.1665	4.891	68.6	10.3
9.0		28.744	32.643	20.382	0.1744	4.291	48.2	10.8
10.0		28.771	34.160	21.512	0.1813	3.812	35.8	12.1
11.0		28.806	35.682	22.643	0.1871	3.648	28.6	14.3
12.0		28.814	35.815	22.741	0.1923	3.573	21.8	16.4
13.0		28.817	35.834	22.754	0.1975	3.480	16.8	17.3
14.0		28.823	35.858	22.770	0.2027	3.478	14.7	16.8
15.0		28.826	35.870	22.778	0.2078	3.500	13.3	16.0
16.0		28.828	35.880	22.785	0.2129	3.549	11.7	18.1
17.0		28.829	35.884	22.787	0.2181	3.496	10.4	22.0
18.0		28.831	35.890	22.791	0.2232	3.505	9.6	23.0
19.0		28.833	35.896	22.795	0.2283	3.539	9.0	21.4
20.0		28.834	35.902	22.799	0.2335	3.561	9.6	27.1



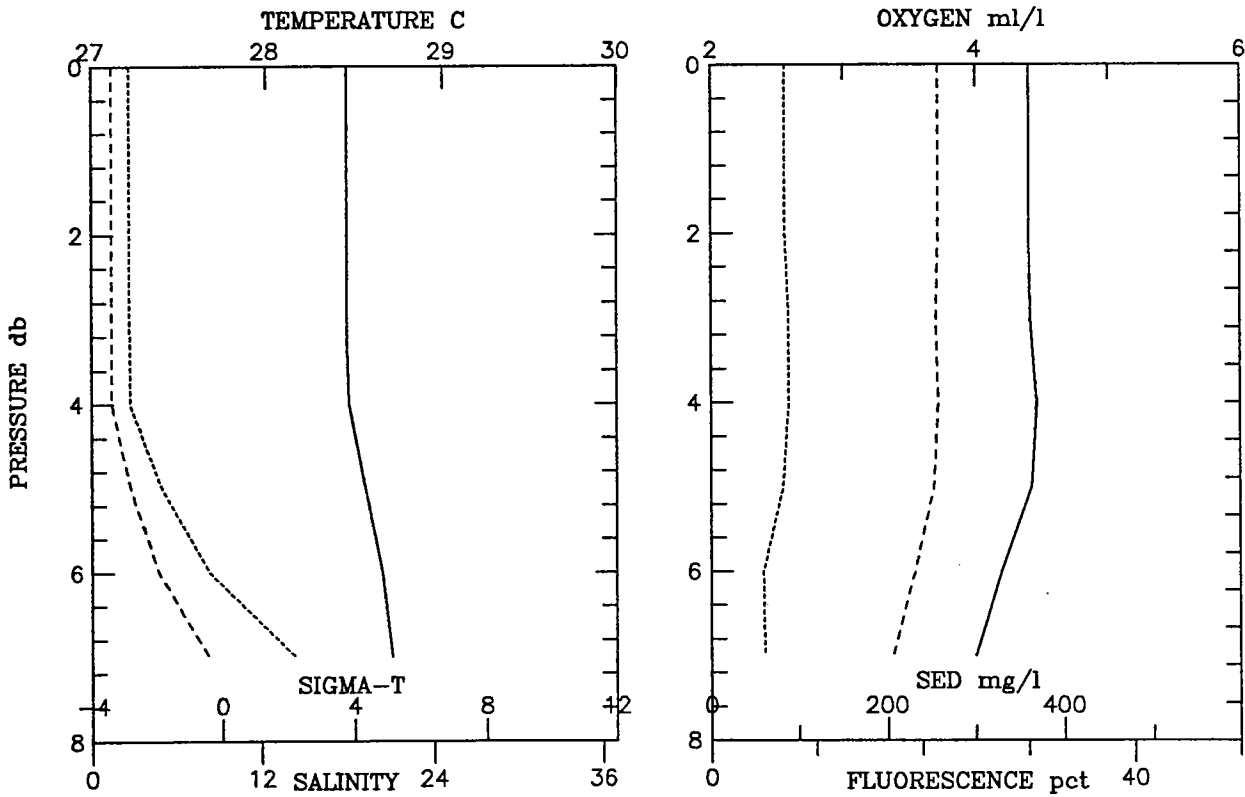
Cruise 19004 Leg 3 Station # 62 Depth m:14 Time: 1990-05-30 00:48
 Position: 1° 53.40'N 48° 52.10'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.429	6.415	0.907	0.0000	4.571	14.2	10.7
1.0	E	28.428	6.415	0.907	0.0265	4.572	14.2	10.7
2.0		28.428	6.415	0.908	0.0530	4.572	14.2	10.7
3.0		28.430	6.415	0.907	0.0795	4.592	14.0	10.8
4.0		28.438	6.430	0.916	0.1060	4.575	14.2	10.7
5.0		28.537	10.259	3.737	0.1311	4.404	14.8	19.4
6.0		28.651	21.133	11.803	0.1508	3.988	14.7	102.8
7.0		28.656	24.451	14.279	0.1653	3.329	15.0	113.5
8.0		28.676	26.696	15.950	0.1778	3.188	15.3	97.7
9.0		28.684	28.303	17.150	0.1889	3.139	15.5	216.9
10.0		28.686	29.935	18.372	0.1989	3.063	17.2	384.8
11.0		28.689	31.720	19.708	0.2076	3.031	18.7	519.0



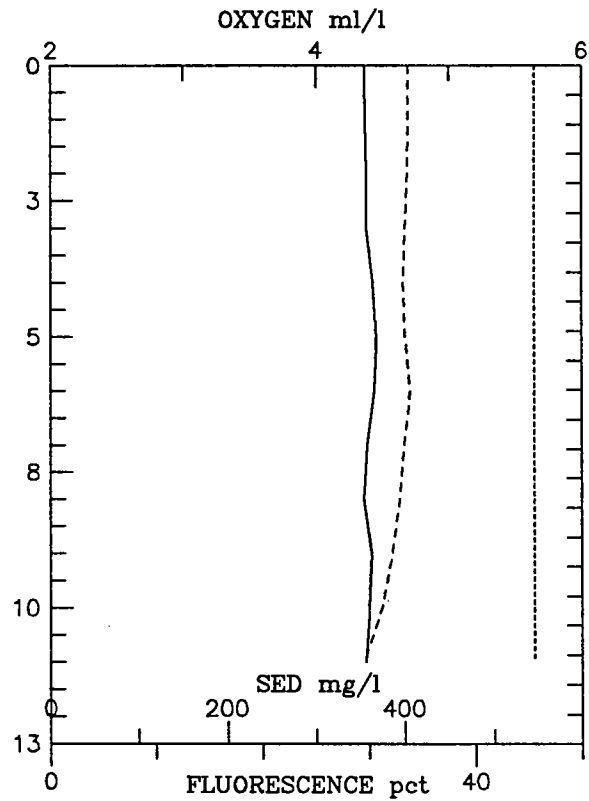
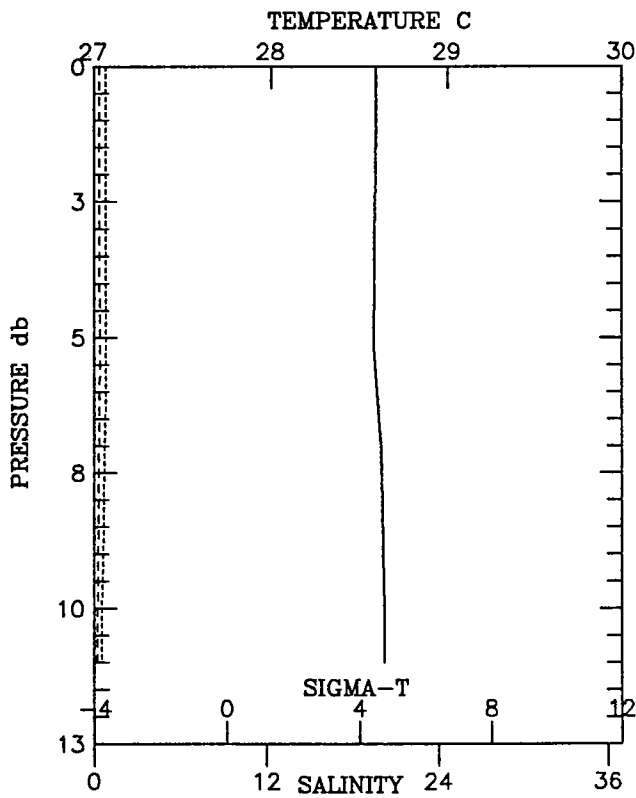
Cruise 19004 Leg 3 Station # 63 Depth m:11 Time: 1990-05-30 03:44
 Position: 1° 39.40'N 49° 13.50'W Depth Deck Offset: 0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.459	1.427	-2.824	0.0000	4.403	21.5	84.2
1.0	E 28.459	1.427	-2.824	0.0302	4.404	21.5	84.2
2.0	28.459	1.427	-2.824	0.0605	4.404	21.5	84.2
3.0	28.460	1.429	-2.823	0.0907	4.411	21.3	88.5
4.0	28.472	1.441	-2.817	0.1209	4.463	21.5	88.5
5.0	28.561	2.775	-1.846	0.1506	4.423	21.1	82.0
6.0	28.656	4.773	-0.383	0.1792	4.193	19.3	59.5
7.0	28.711	8.287	2.217	0.2056	4.003	17.2	60.5



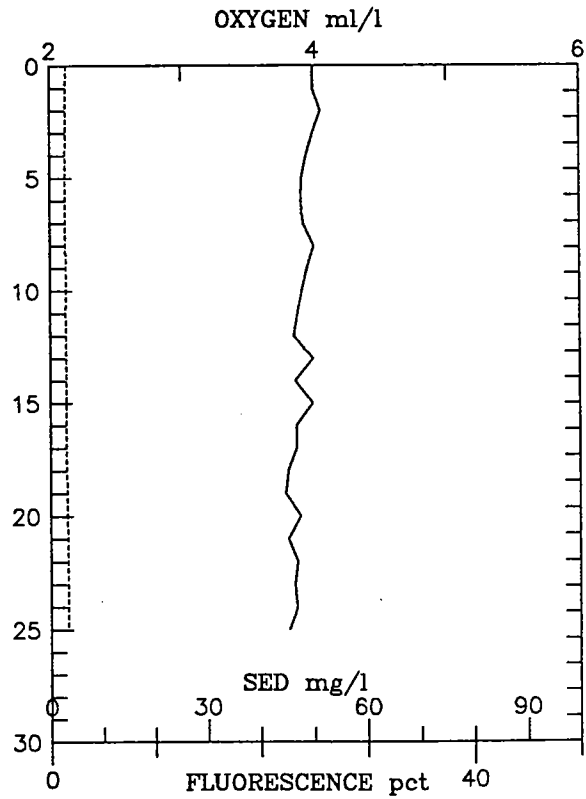
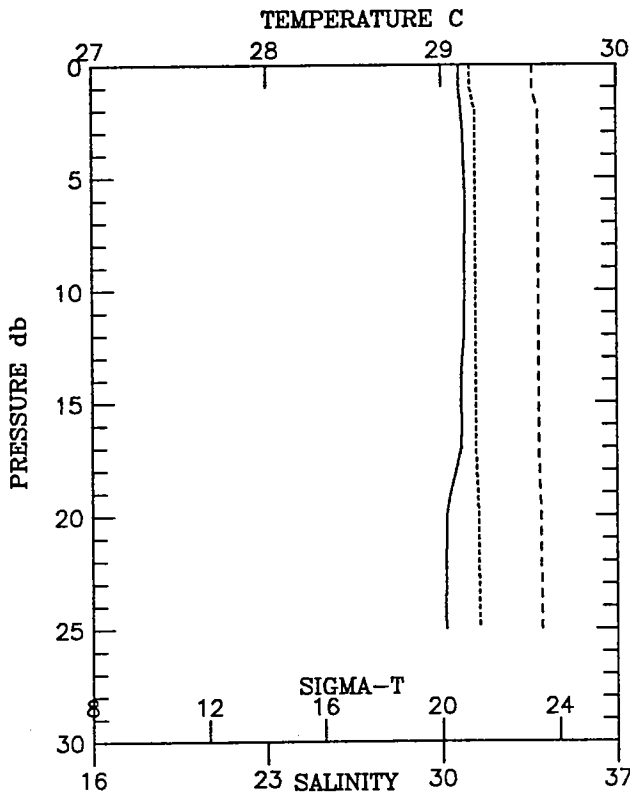
Cruise 19004 Leg 3 Station # 64 Depth m:14 Time: 1990-05-30 05:18
 Position: 1° 28.44'N 49° 23.72'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.594	0.374	-3.652	0.0000	4.367	33.7	545.5
1.0		28.594	0.374	-3.652	0.0310	4.368	33.7	545.5
2.0		28.589	0.376	-3.649	0.0621	4.379	33.6	545.5
3.0		28.584	0.382	-3.643	0.0931	4.379	33.4	545.5
4.0		28.583	0.382	-3.643	0.1241	4.429	33.2	545.5
5.0		28.581	0.387	-3.639	0.1551	4.451	33.4	545.5
6.0		28.600	0.382	-3.647	0.1861	4.439	33.9	545.5
7.0		28.618	0.344	-3.682	0.2172	4.385	33.3	545.5
8.0		28.626	0.322	-3.700	0.2483	4.362	32.9	545.5
9.0		28.631	0.295	-3.722	0.2793	4.419	32.2	545.5
10.0		28.638	0.246	-3.761	0.3105	4.400	31.2	545.5
11.0		28.639	0.246	-3.761	0.3416	4.377	29.5	545.5



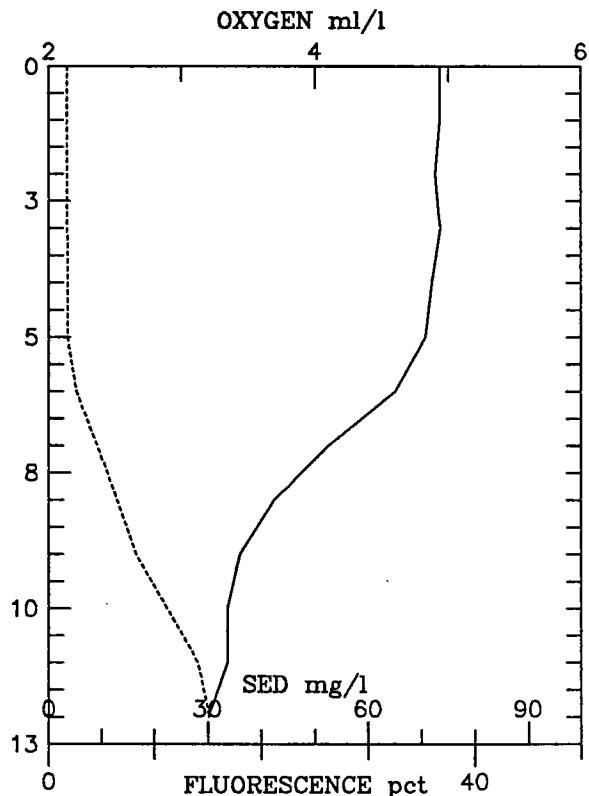
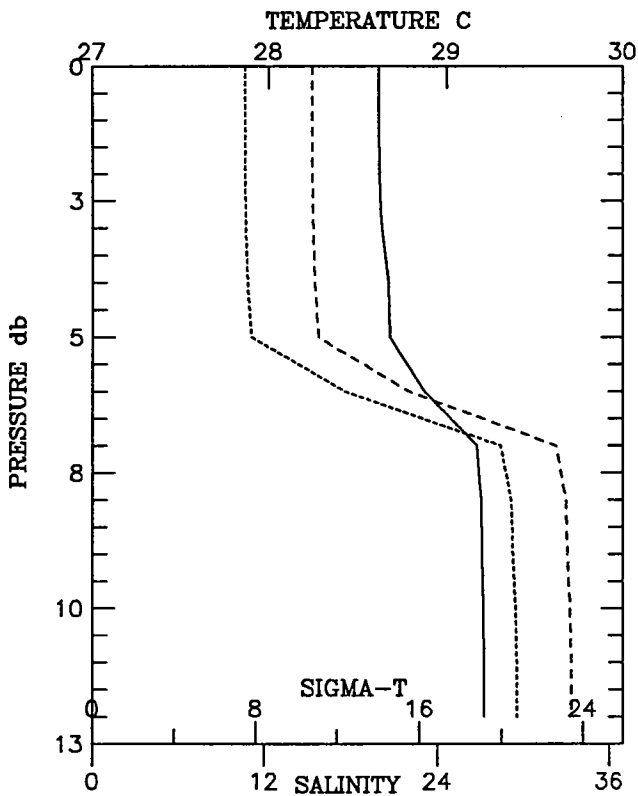
Cruise I9004 Leg 4 Station # 1 Depth m:28 Time: 1990-06-01 21:38
 Position: 0° 12.11'S 47° 38.91'W Depth Deck Offset: -0.20 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	29.104	33.622	20.997	0.0000	3.996	0.0	3.1
2.0		29.116	33.843	21.159	0.0247	4.053	0.0	3.0
4.0		29.128	33.845	21.157	0.0381	3.949	0.0	2.9
6.0		29.135	33.846	21.155	0.0514	3.911	0.0	2.9
8.0		29.134	33.844	21.154	0.0648	4.003	0.0	2.9
10.0		29.132	33.844	21.155	0.0782	3.914	0.0	3.0
12.0		29.129	33.848	21.159	0.0916	3.848	0.0	3.0
14.0		29.111	33.847	21.164	0.1050	3.862	0.0	3.0
16.0		29.114	33.850	21.165	0.1183	3.869	0.0	3.0
18.0		29.081	33.871	21.192	0.1317	3.808	0.0	3.0
20.0		29.027	33.934	21.257	0.1450	3.899	0.0	3.1
22.0		29.025	33.935	21.258	0.1582	3.874	0.0	3.2
24.0		29.021	33.966	21.283	0.1713	3.870	0.0	3.2
25.0		29.021	33.962	21.280	0.1779	3.814	0.0	3.2



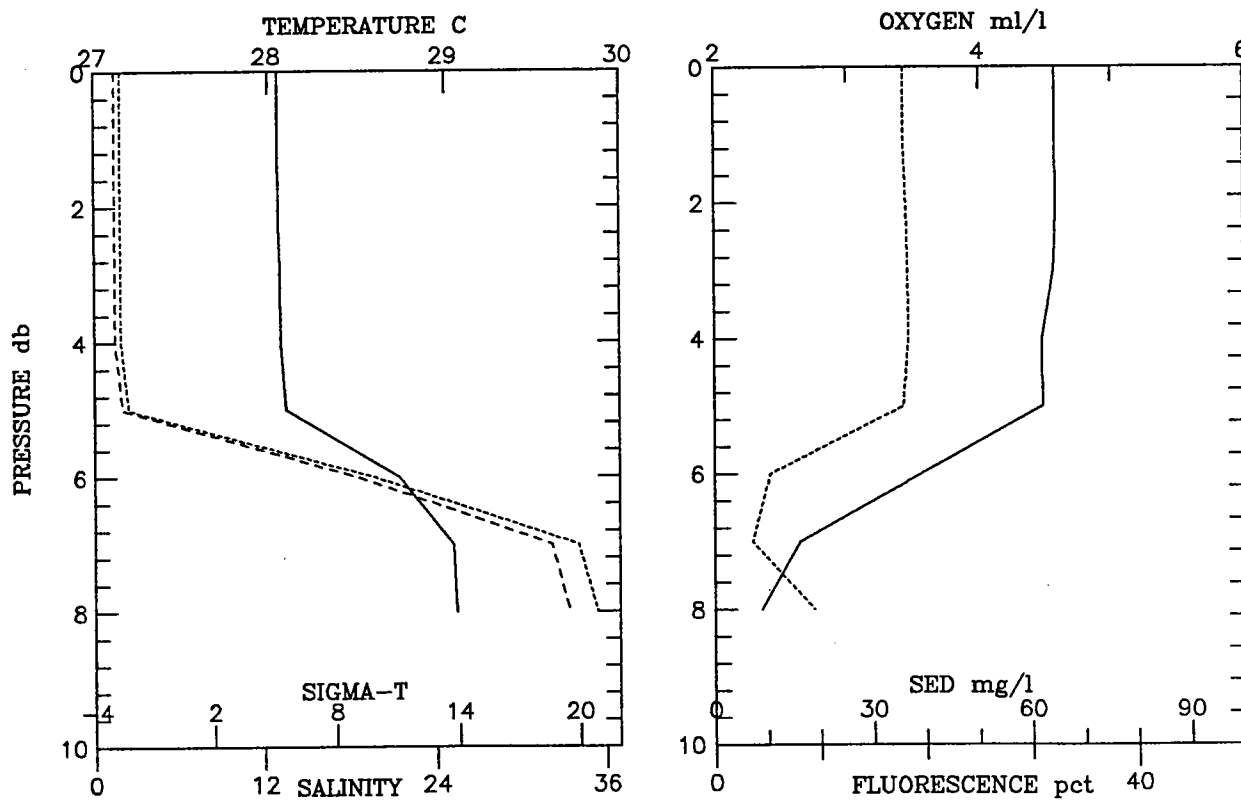
Cruise I9004 Leg 4 Station # 2 Depth m:14 Time: 1990-06-02 01:48
 Position: 0° 18.45'N 48° 2.58'W Depth Deck Offset: -0.28 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.620	15.339	7.494	0.0000	4.935	0.0	3.5
1.0		28.620	15.339	7.494	0.0200	4.936	0.0	3.5
2.0		28.624	15.356	7.505	0.0399	4.904	0.0	3.5
3.0		28.639	15.411	7.542	0.0599	4.944	0.0	3.5
4.0		28.674	15.537	7.625	0.0797	4.881	0.0	3.6
5.0		28.683	15.791	7.811	0.0995	4.830	0.0	3.6
6.0		28.876	22.024	12.396	0.1169	4.600	0.0	5.3
7.0		29.169	32.261	19.955	0.1284	4.104	0.0	9.2
8.0		29.194	32.965	20.475	0.1360	3.694	0.0	13.0
9.0		29.198	33.067	20.550	0.1433	3.440	0.0	16.5
10.0		29.206	33.252	20.686	0.1505	3.349	0.0	22.4
11.0		29.208	33.329	20.743	0.1576	3.345	0.0	28.2
12.0		29.208	33.328	20.742	0.1647	3.207	0.0	30.3



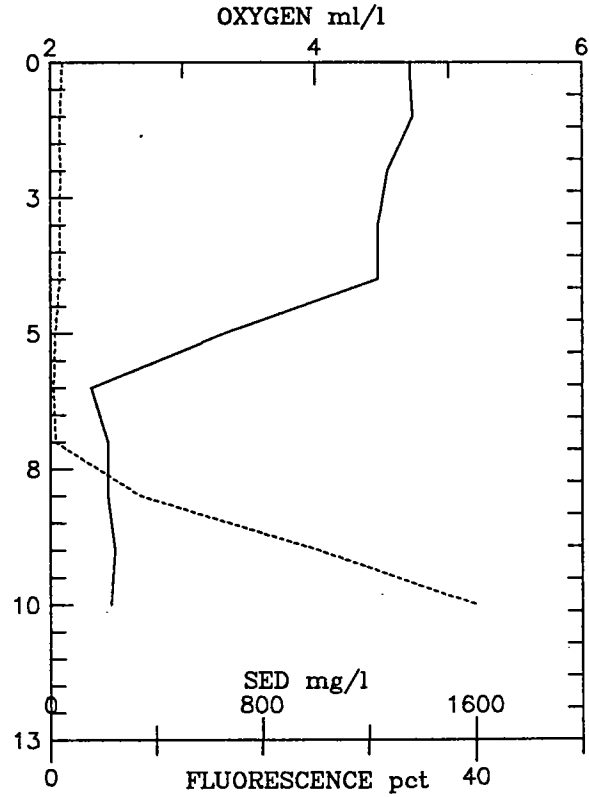
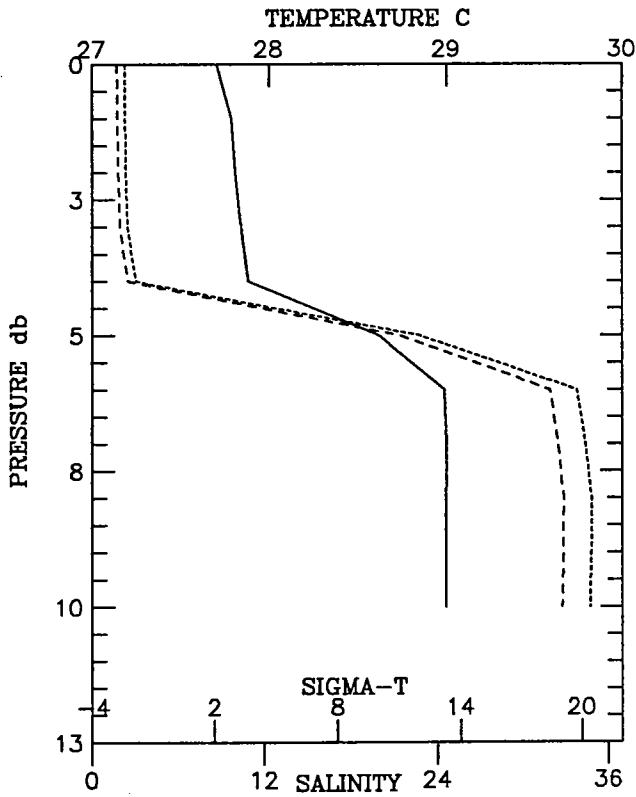
Cruise 19004 Leg 4 Station # 3 Depth m:10 Time: 1990-06-02 05:29
 Position: 0° 43.54'N 48° 30.81'W Depth Deck Offset: -0.28 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.055	1.483	-2.665	0.0000	4.576	0.0	35.8
1.0	28.054	1.483	-2.665	0.0301	4.577	0.0	35.8
2.0	28.059	1.481	-2.668	0.0601	4.584	0.0	36.3
3.0	28.068	1.483	-2.669	0.0902	4.561	0.0	36.6
4.0	28.069	1.486	-2.667	0.1203	4.478	0.0	36.7
5.0	28.100	2.020	-2.276	0.1502	4.481	0.0	35.7
6.0	28.737	18.574	9.868	0.1738	3.560	0.0	10.4
7.0	29.045	32.153	19.916	0.1866	2.645	0.0	7.1
8.0	29.062	33.434	20.870	0.1940	2.352	0.0	18.8



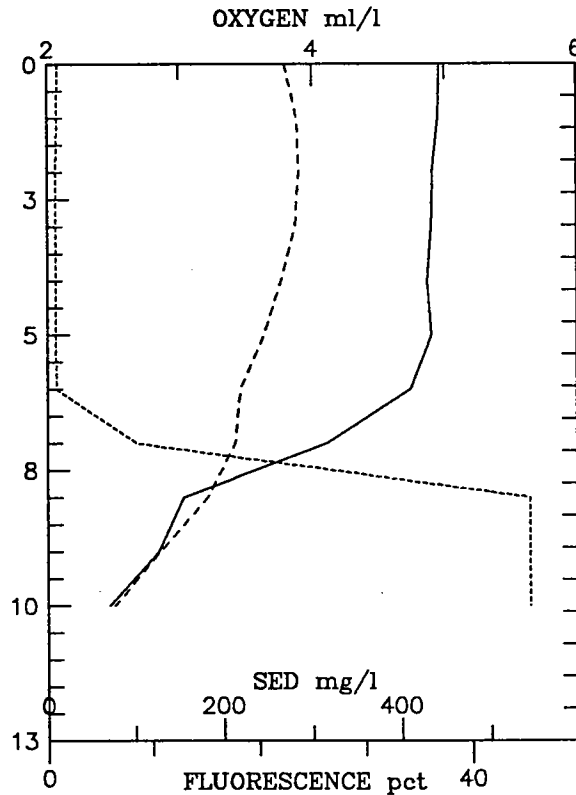
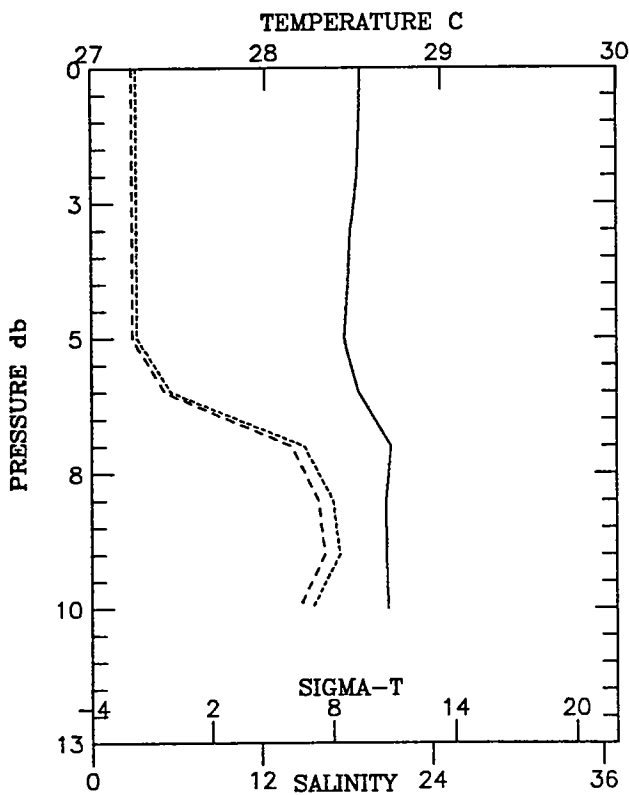
Cruise I9004 Leg 4 Station # 4 Depth m:12 Time: 1990-06-02 08:17
 Position: 1° 11.32'N 48° 49.11'W Depth Deck Offset: -0.23 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.704	1.721	-2.387	0.0000	4.713	0.0	45.1
1.0	27.788	1.768	-2.375	0.0298	4.735	0.0	36.1
2.0	27.812	1.806	-2.354	0.0596	4.546	0.0	36.9
3.0	27.844	1.947	-2.258	0.0893	4.472	0.0	36.3
4.0	27.885	2.502	-1.854	0.1187	4.472	0.0	34.3
5.0	28.617	21.369	11.990	0.1411	3.315	0.0	16.9
6.0	28.986	31.920	19.761	0.1529	2.308	0.0	10.9
7.0	28.997	32.476	20.173	0.1608	2.436	0.0	18.4
8.0	28.994	32.873	20.472	0.1682	2.432	0.0	341.2
9.0	28.994	32.849	20.454	0.1756	2.488	0.0	1015.0
10.0	28.994	32.767	20.393	0.1830	2.461	0.0	1601.8



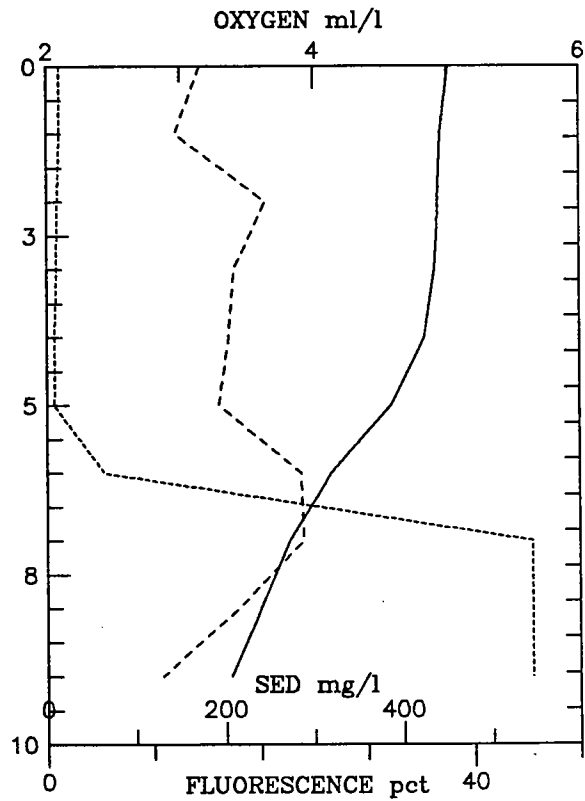
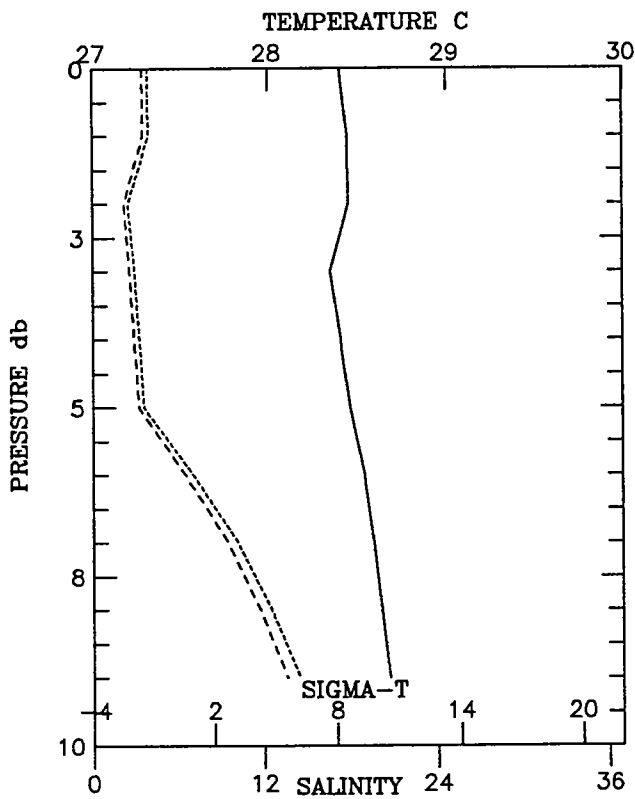
Cruise 19004 Leg 4 Station # 5.01 Depth m:10 Time: 1990-06-02 12:14
 Position: 1° 40.66'N 49° 9.55'W Depth Deck Offset: -0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	28.542	2.912	-1.737	0.0000	4.962	22.5	11.5
1.0	28.537	2.916	-1.733	0.0291	4.953	23.6	10.6
2.0	28.527	2.917	-1.729	0.0583	4.910	23.8	9.1
3.0	28.483	2.914	-1.719	0.0874	4.899	23.4	9.0
4.0	28.471	2.913	-1.717	0.1165	4.870	22.1	9.0
5.0	28.450	2.912	-1.711	0.1456	4.897	20.5	9.0
6.0	28.529	5.227	-0.008	0.1739	4.743	18.3	10.0
7.0	28.715	14.128	6.563	0.1980	4.112	17.8	102.4
8.0	28.686	16.044	7.999	0.2182	3.035	15.2	545.5
9.0	28.690	16.475	8.319	0.2375	2.846	10.7	545.5
10.0	28.696	14.633	6.945	0.2574	2.472	6.4	545.5



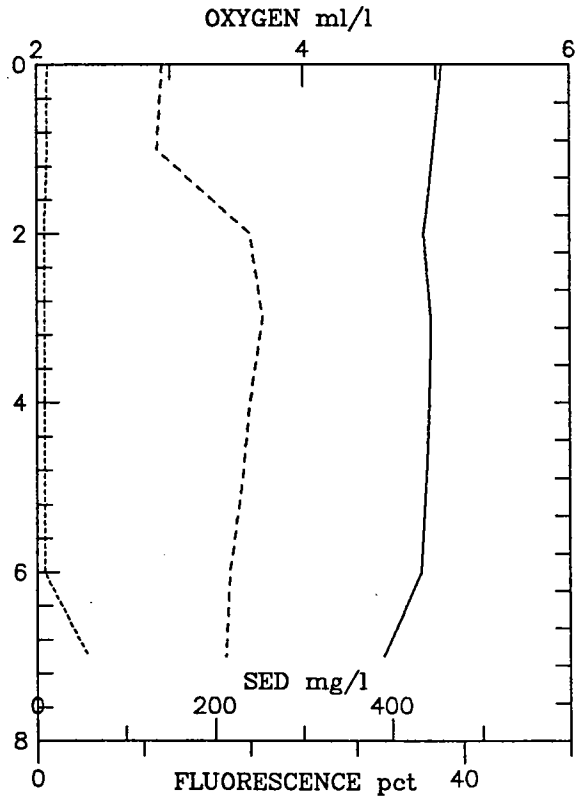
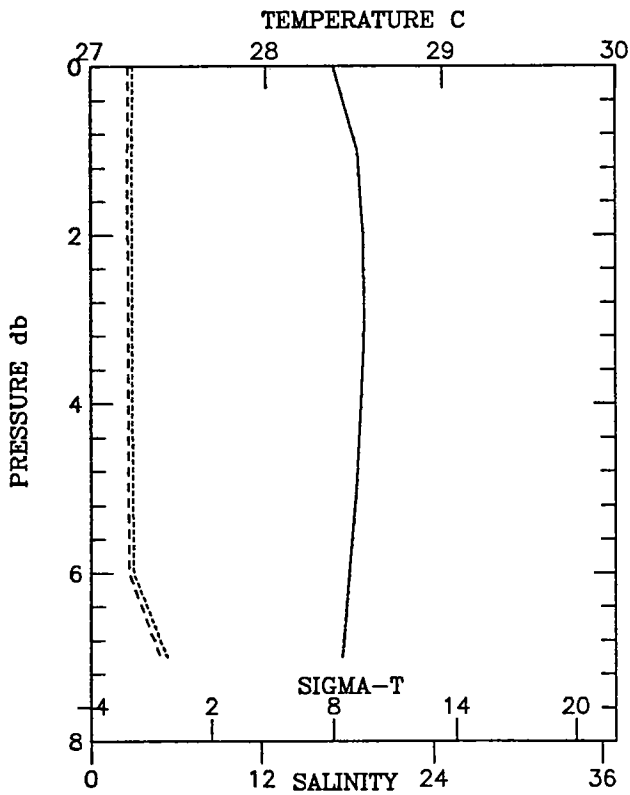
Cruise 19004 Leg 4 Station # 5.02 Depth m:10 Time: 1990-06-02 13:21
 Position: 1° 41.37'N 49° 9.13'W Depth Deck Offset: 0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	28.404	3.524	-1.240	0.0000	5.014	14.4	14.3
1.0	28.448	3.552	-1.232	0.0286	4.953	12.1	14.3
2.0	28.450	2.197	-2.245	0.0578	4.934	20.5	11.7
3.0	28.350	2.581	-1.929	0.0873	4.908	17.5	10.5
4.0	28.407	2.912	-1.699	0.1165	4.832	17.0	8.4
5.0	28.459	3.221	-1.483	0.1455	4.577	16.1	7.9
6.0	28.539	6.530	0.960	0.1731	4.128	23.8	64.8
7.0	28.592	9.484	3.144	0.1985	3.816	24.0	545.5
8.0	28.634	11.716	4.793	0.2219	3.600	17.9	545.5
9.0	28.677	13.602	6.183	0.2439	3.375	10.8	545.5



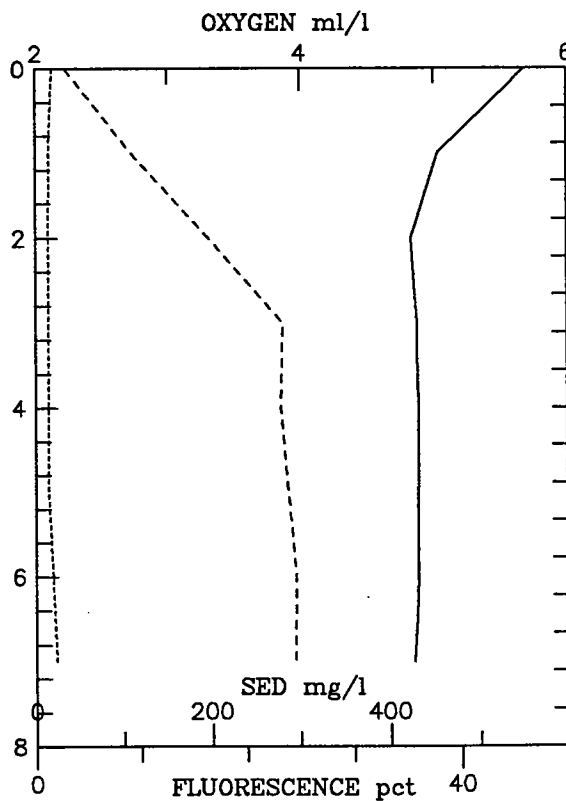
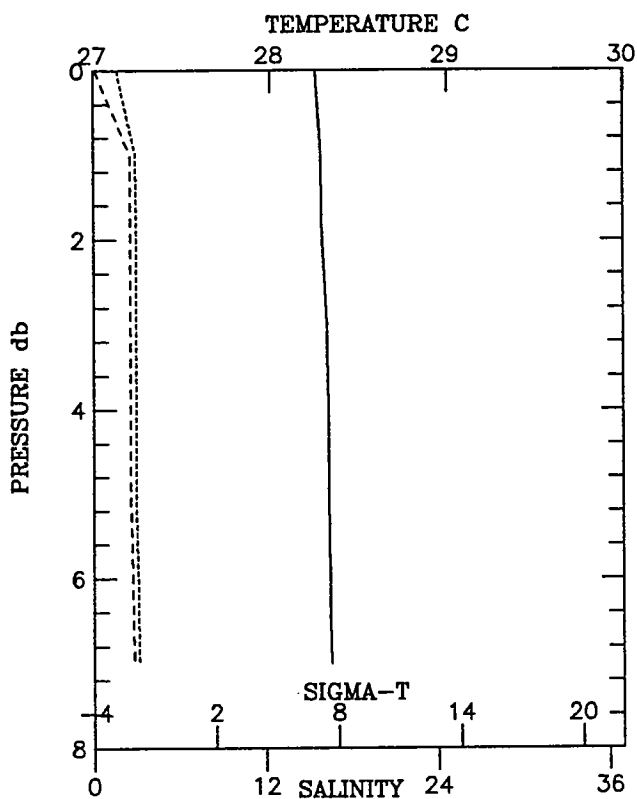
Cruise I9004 Leg 4 Station # 5.03 Depth m:10 Time: 1990-06-02 14:21
 Position: 1° 41.39'N 49° 9.13'W Depth Deck Offset: 0.12 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	28.388	2.675	-1.870	0.0000	5.037	11.8	11.7
1.0	28.519	2.670	-1.912	0.0293	4.983	11.3	11.4
2.0	28.553	2.670	-1.922	0.0586	4.907	20.0	8.1
3.0	28.557	2.674	-1.920	0.0879	4.960	21.2	8.2
4.0	28.538	2.687	-1.905	0.1172	4.950	20.0	8.2
5.0	28.515	2.706	-1.883	0.1465	4.922	19.2	8.1
6.0	28.473	2.752	-1.837	0.1758	4.888	18.1	8.3
7.0	28.434	4.953	-0.184	0.2042	4.607	17.7	57.5



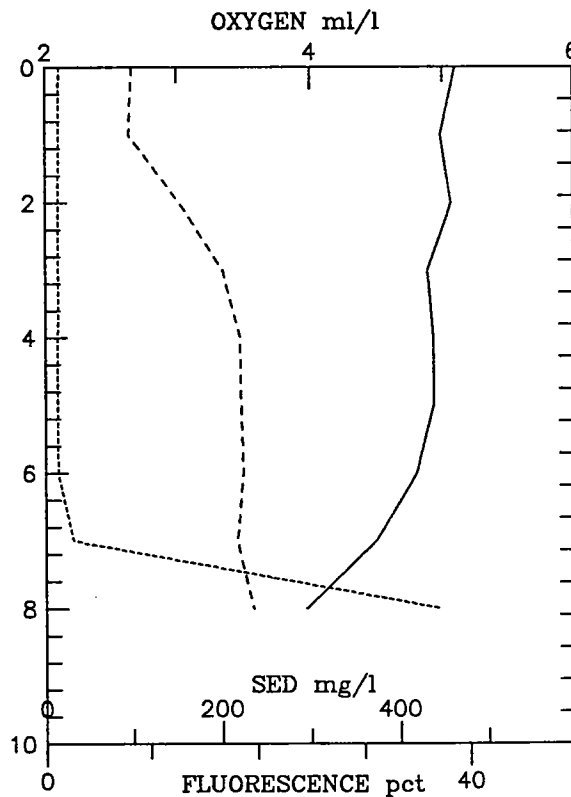
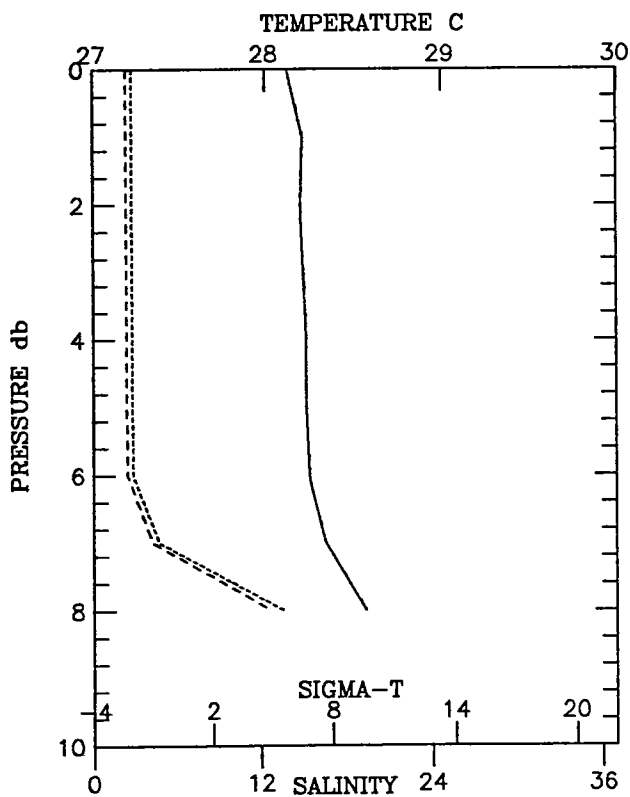
Cruise I9004 Leg 4 Station # 5.04 Depth m:10 Time: 1990-06-02 15:17
 Position: 1° 41.40'N 49° 9.43'W Depth Deck Offset: -0.23 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0		28.258	0.128	-2.844	0.0000	5.677	2.8	18.6
1.0		28.288	2.542	-1.940	0.0298	5.032	9.1	14.7
2.0		28.298	2.572	-1.920	0.0591	4.831	16.4	14.3
3.0		28.320	2.567	-1.931	0.0885	4.874	23.4	14.2
4.0		28.328	2.573	-1.928	0.1178	4.885	23.2	14.2
5.0		28.327	2.572	-1.929	0.1471	4.877	23.9	14.1
6.0		28.336	2.695	-1.840	0.1764	4.878	24.6	19.0
7.0		28.343	2.787	-1.773	0.2056	4.852	24.5	23.1



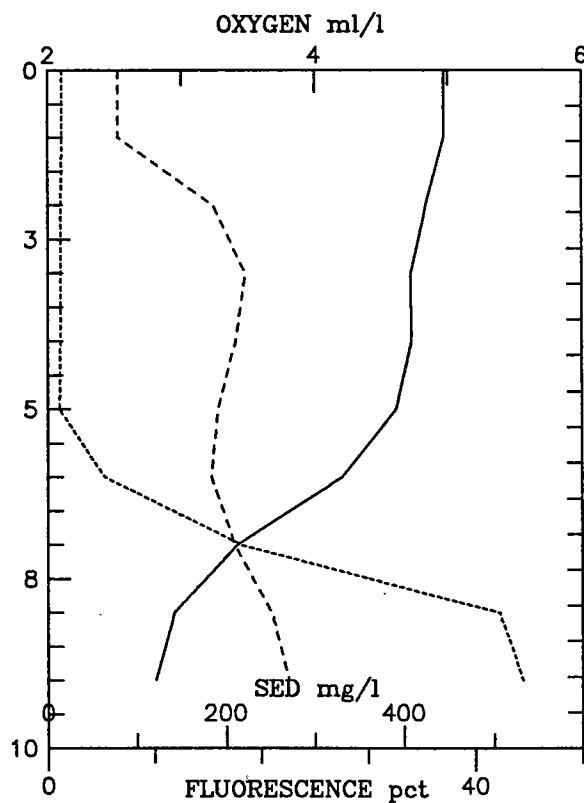
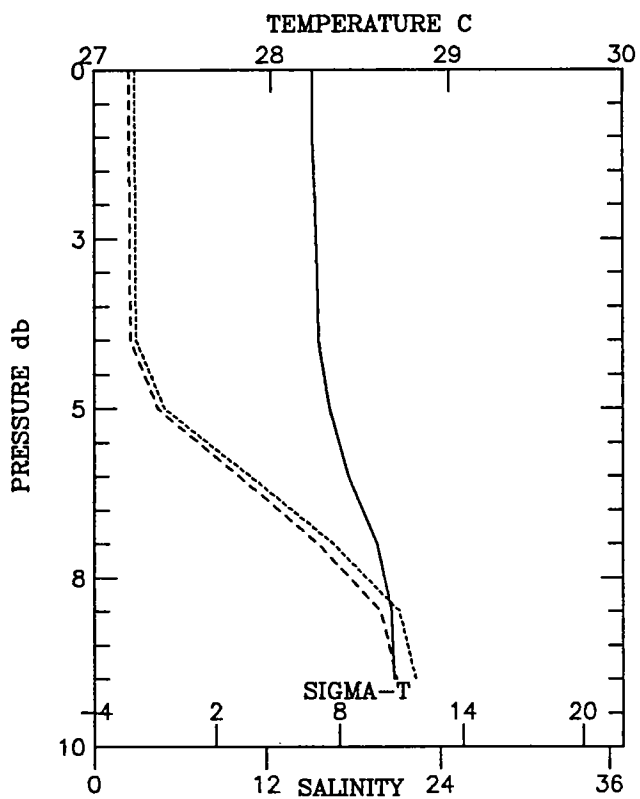
Cruise 19004 Leg 4 Station # 5.05 Depth m:11 Time: 1990-06-02 16:16
 Position: 1° 41.40'N 49° 9.43'W Depth Deck Offset: -0.13 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	28.128	2.362	-2.028	0.0000	5.096	8.3	15.4
1.0	28.216	2.381	-2.040	0.0294	4.986	8.0	15.2
2.0	28.206	2.380	-2.037	0.0589	5.065	12.8	13.9
3.0	28.219	2.382	-2.040	0.0883	4.886	16.8	14.2
4.0	28.232	2.388	-2.039	0.1178	4.930	18.4	13.8
5.0	28.233	2.392	-2.036	0.1472	4.928	18.5	13.6
6.0	28.253	2.440	-2.006	0.1766	4.795	18.7	13.9
7.0	28.343	4.235	-0.692	0.2054	4.489	18.1	31.3
8.0	28.573	12.740	5.573	0.2304	3.966	19.6	446.9



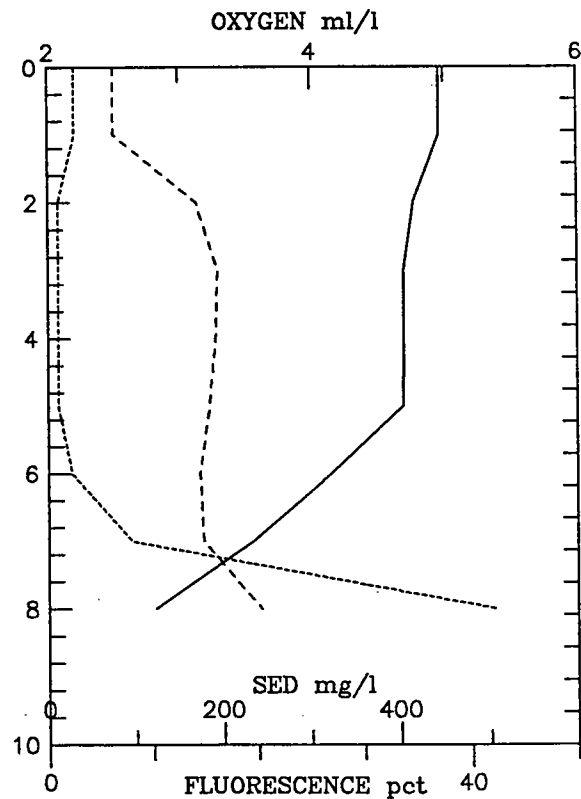
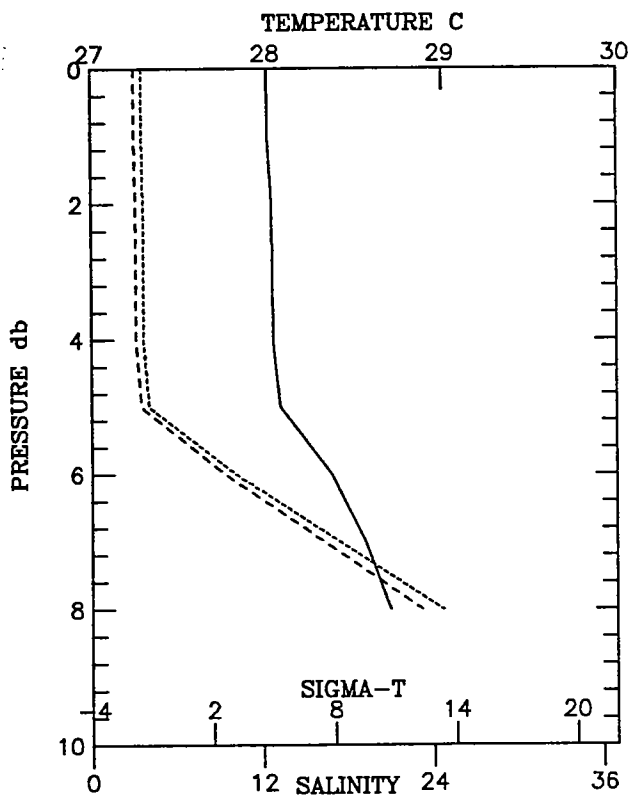
Cruise I9004 Leg 4 Station # 5.06 Depth m:11 Time: 1990-06-02 17:15
 Position: 1° 41.40'N 49° 9.43'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.233	2.432	-2.007	0.0000	4.973	6.6	15.8
1.0		28.233	2.432	-2.007	0.0295	4.973	6.6	15.8
2.0		28.250	2.470	-1.983	0.0589	4.833	15.5	14.1
3.0		28.258	2.475	-1.982	0.0882	4.725	18.5	14.2
4.0		28.268	2.531	-1.942	0.1176	4.730	17.6	13.9
5.0		28.330	4.449	-0.529	0.1462	4.612	15.9	13.0
6.0		28.435	10.136	3.676	0.1721	4.207	15.3	63.7
7.0		28.595	15.596	7.693	0.1938	3.421	17.5	216.9
8.0		28.672	19.928	10.898	0.2120	2.943	21.0	506.2
9.0		28.690	20.990	11.684	0.2283	2.808	22.6	532.1



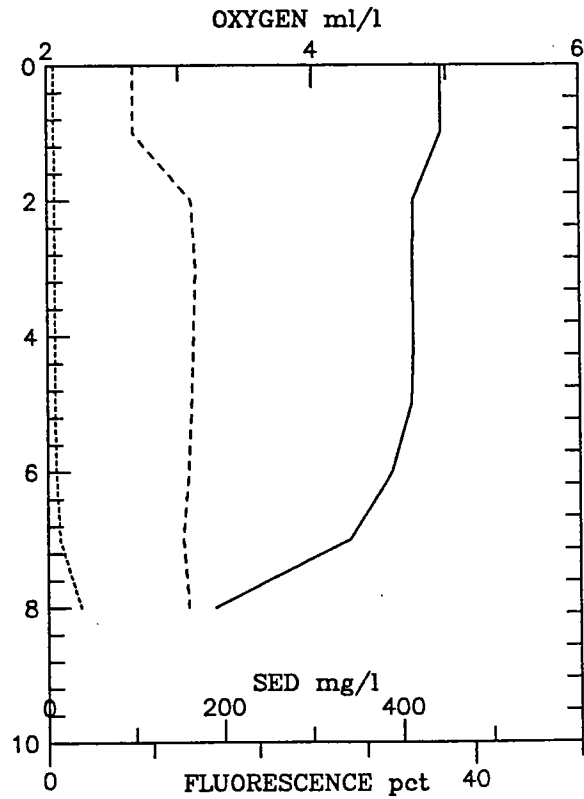
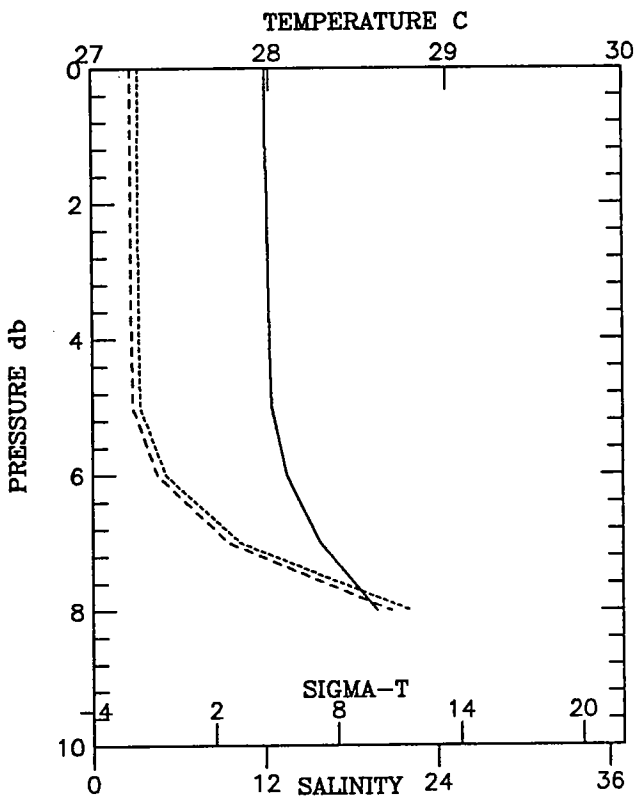
Cruise I9004 Leg 4 Station # 5.07 Depth m:11 Time: 1990-06-02 18:14
 Position: 1° 41.40'N 49° 9.43'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.004	3.062	-1.470	0.0000	4.964	6.3	30.5
1.0		28.004	3.062	-1.470	0.0290	4.964	6.3	30.5
2.0		28.025	3.143	-1.415	0.0579	4.773	14.2	11.1
3.0		28.030	3.142	-1.417	0.0867	4.700	16.2	11.2
4.0		28.032	3.145	-1.415	0.1155	4.698	16.0	11.2
5.0		28.073	3.537	-1.135	0.1442	4.695	15.4	11.4
6.0		28.365	9.357	3.118	0.1706	4.159	14.5	26.6
7.0		28.557	16.278	8.213	0.1924	3.562	14.8	95.2
8.0		28.701	23.200	13.330	0.2091	2.817	20.3	506.2



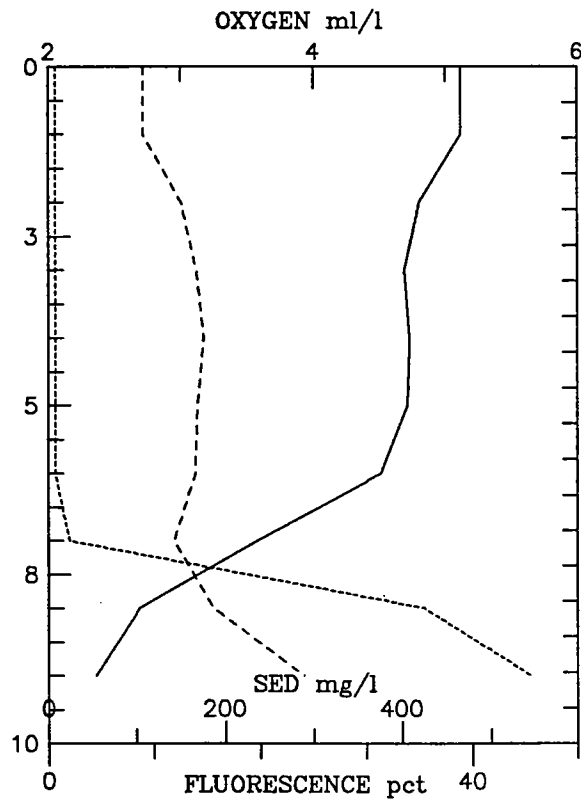
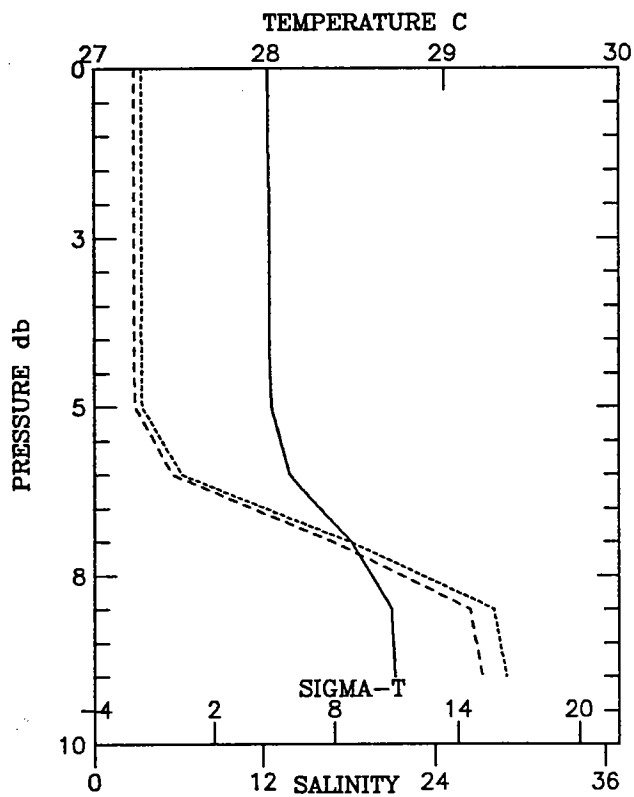
Cruise 19004 Leg 4 Station # 5.08 Depth m:12 Time: 1990-06-02 19:17
 Position: 1° 41.40'N 49° 9.43'W Depth Deck Offset: -0.15 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.978	2.683	-1.745	0.0000	4.962	8.2	7.9
1.0		27.978	2.683	-1.745	0.0292	4.962	8.2	7.9
2.0		27.988	2.677	-1.753	0.0583	4.752	13.7	8.2
3.0		27.993	2.692	-1.743	0.0875	4.748	14.1	8.2
4.0		28.003	2.730	-1.718	0.1166	4.752	13.9	8.2
5.0		28.012	2.809	-1.661	0.1457	4.740	13.7	8.3
6.0		28.095	4.494	-0.426	0.1741	4.594	13.4	9.5
7.0		28.286	9.479	3.231	0.2001	4.278	12.9	13.7
8.0		28.603	20.751	11.533	0.2202	3.274	13.4	37.4



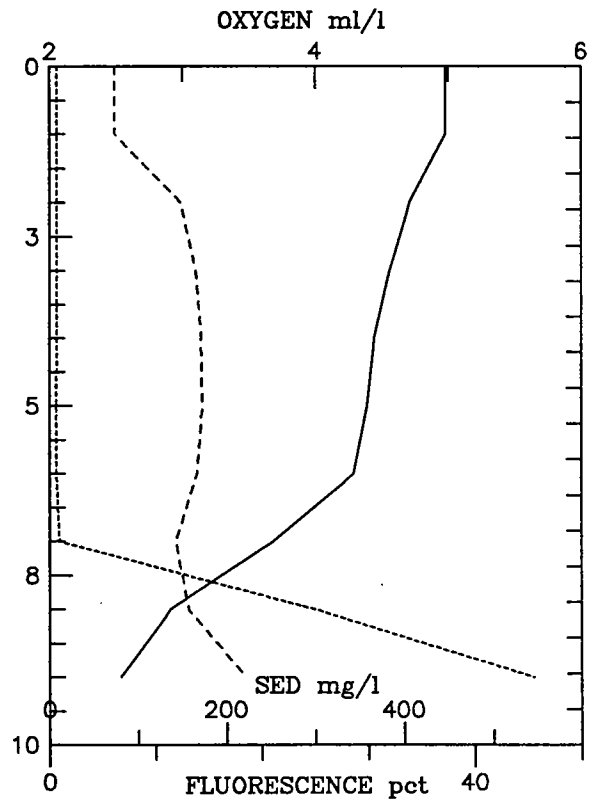
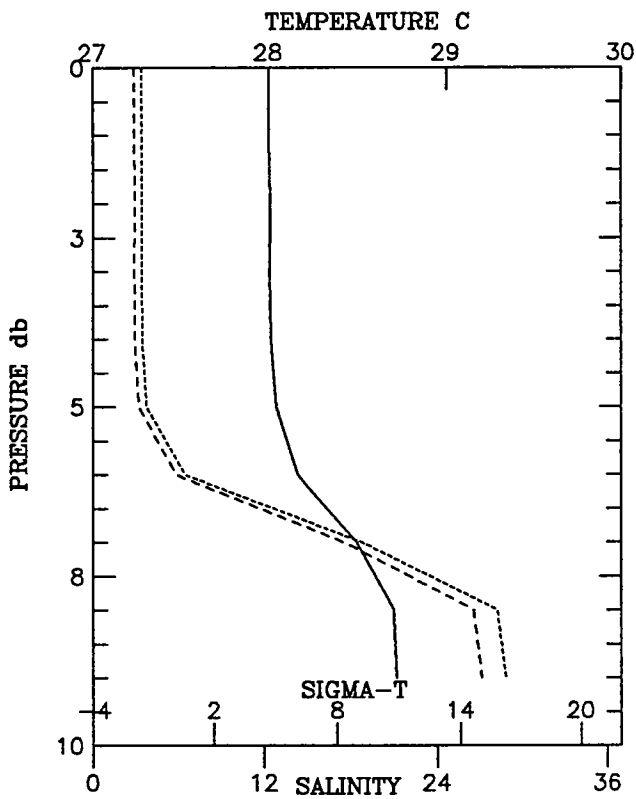
Cruise 19004 Leg 4 Station # 5.09 Depth m:12 Time: 1990-06-02 20:14
 Position: 1° 41.40'N 49° 9.43'W Depth Deck Offset: 0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.004	2.827	-1.646	0.0000	5.115	9.0	7.6
1.0	28.004	2.827	-1.646	0.0290	5.115	9.0	7.6
2.0	28.013	2.825	-1.649	0.0581	4.803	12.6	7.6
3.0	28.014	2.826	-1.649	0.0871	4.688	14.0	7.6
4.0	28.014	2.823	-1.651	0.1162	4.728	14.7	7.5
5.0	28.024	2.881	-1.611	0.1452	4.712	14.1	7.6
6.0	28.128	5.600	0.389	0.1732	4.510	13.9	7.7
7.0	28.479	16.976	8.758	0.1961	3.580	11.9	23.6
8.0	28.704	26.465	15.769	0.2114	2.693	15.6	425.2
9.0	28.722	27.301	16.388	0.2230	2.364	24.1	545.5



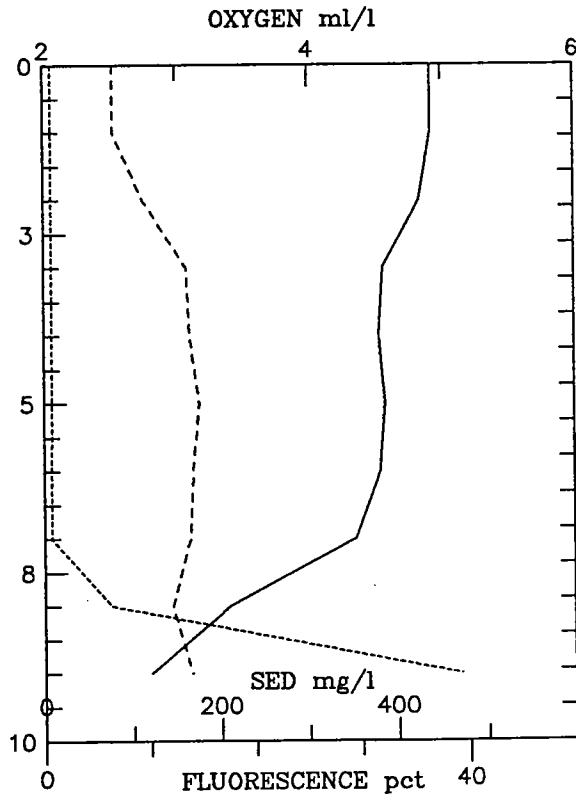
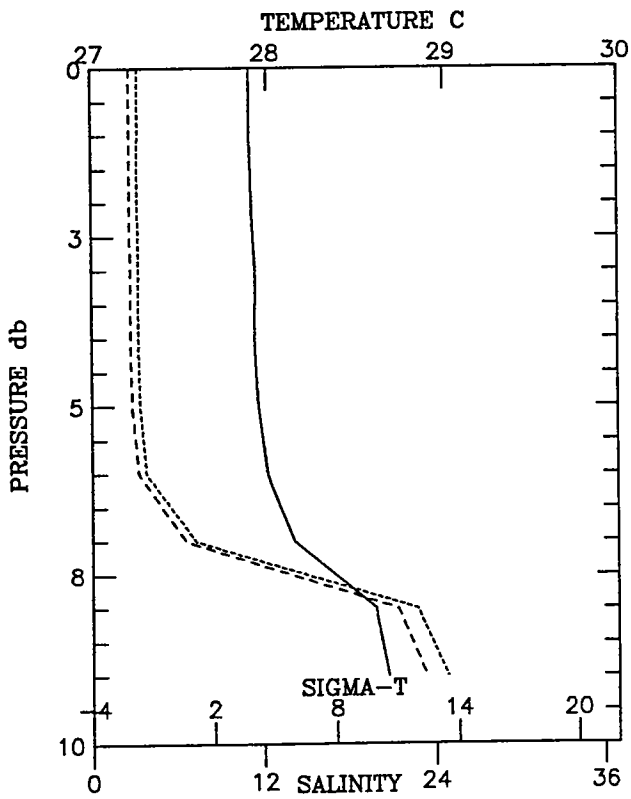
Cruise I9004 Leg 4 Station # 5.10 Depth m:12 Time: 1990-06-02 21:14
 Position: 1° 41.40'N 49° 9.43'W Depth Deck Offset: 0.00 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.001	2.934	-1.564	0.0000	4.983	6.1	7.5
1.0		28.001	2.934	-1.564	0.0290	4.983	6.1	7.5
2.0		28.009	2.945	-1.559	0.0579	4.709	12.4	7.5
3.0		28.006	2.935	-1.565	0.0869	4.560	13.8	7.5
4.0		28.011	2.960	-1.548	0.1158	4.444	14.3	7.4
5.0		28.039	3.263	-1.329	0.1447	4.389	14.4	7.2
6.0		28.160	5.898	0.602	0.1725	4.286	13.9	7.1
7.0		28.491	17.552	9.182	0.1950	3.684	11.9	10.4
8.0		28.703	26.547	15.830	0.2101	2.907	13.1	300.0
9.0		28.715	27.112	16.249	0.2217	2.537	18.5	545.5



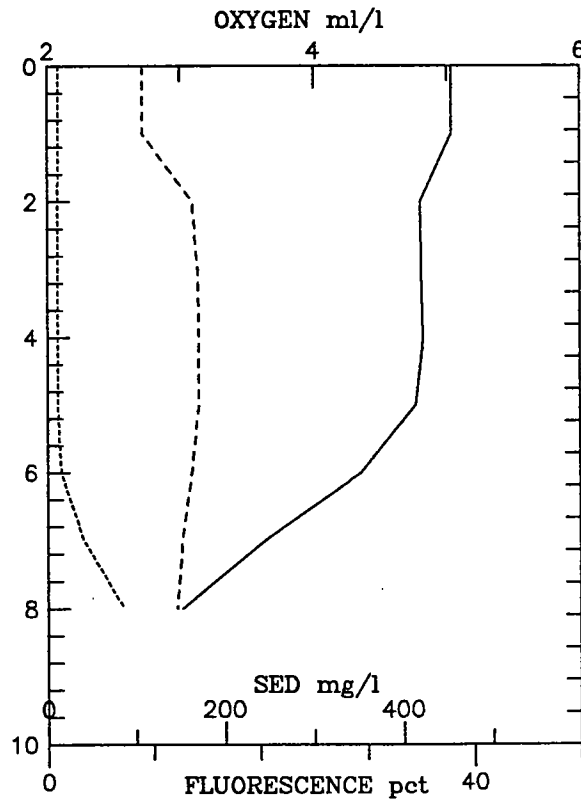
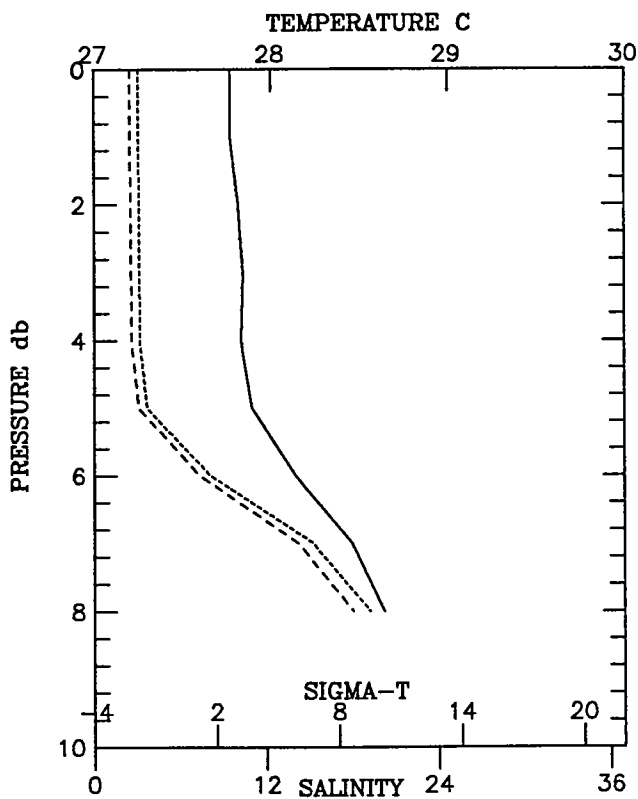
Cruise I9004 Leg 4 Station # 5.11 Depth m:12 Time: 1990-06-02 22:17
 Position: 1° 41.40'N 49° 9.43'W Depth Deck Offset: 0.00 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.901	2.705	-1.707	0.0000	4.922	6.6	8.5
1.0		27.901	2.705	-1.707	0.0291	4.922	6.6	8.5
2.0		27.912	2.704	-1.711	0.0582	4.834	9.4	8.2
3.0		27.931	2.731	-1.696	0.0873	4.564	13.5	8.4
4.0		27.930	2.728	-1.698	0.1164	4.535	13.8	8.4
5.0		27.947	2.832	-1.625	0.1455	4.581	14.7	8.2
6.0		27.997	3.266	-1.315	0.1744	4.541	14.1	7.8
7.0		28.148	6.585	1.117	0.2019	4.357	13.8	7.9
8.0		28.610	21.363	11.987	0.2228	3.404	12.1	76.2
9.0		28.676	23.362	13.459	0.2376	2.803	13.9	469.7



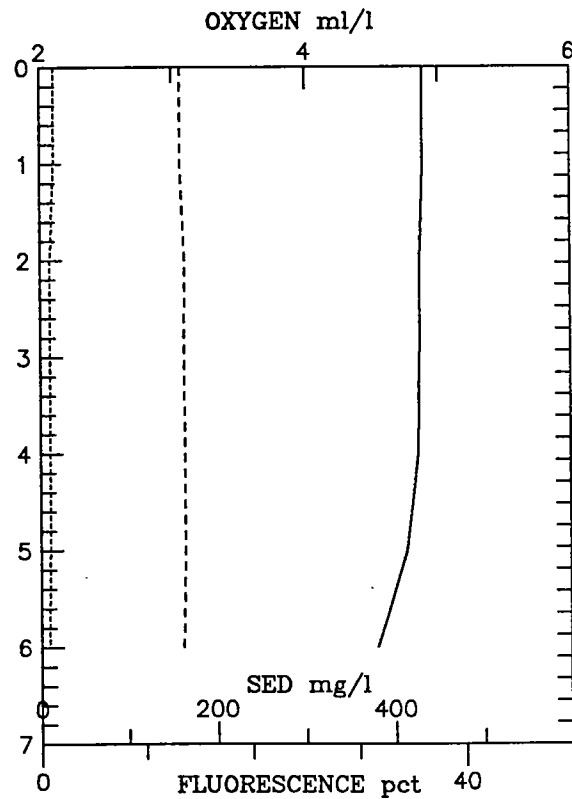
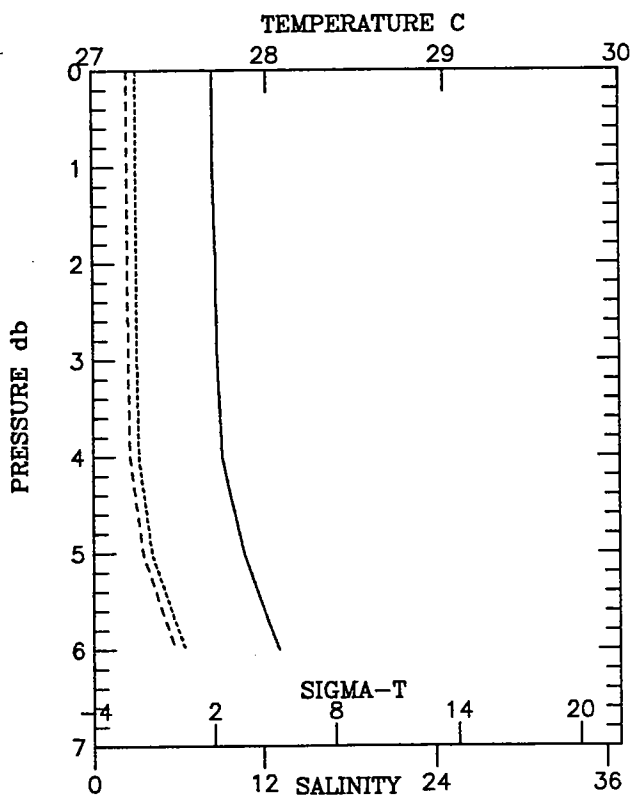
Cruise 19004 Leg 4 Station # 5.12 Depth m:11 Time: 1990-06-02 23:17
 Position: 1° 41.39'N 49° 9.18'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.771	2.520	-1.808	0.0000	5.033	9.0	11.8
1.0		27.771	2.520	-1.808	0.0297	5.033	9.0	11.8
2.0		27.816	2.552	-1.797	0.0589	4.802	13.7	11.6
3.0		27.840	2.588	-1.777	0.0881	4.804	14.2	11.6
4.0		27.832	2.598	-1.767	0.1172	4.820	14.3	11.6
5.0		27.893	3.100	-1.409	0.1462	4.762	14.3	11.2
6.0		28.134	7.367	1.703	0.1735	4.352	13.6	14.8
7.0		28.454	14.203	6.699	0.1967	3.637	12.7	40.4
8.0		28.637	18.056	9.513	0.2161	3.016	12.2	86.7



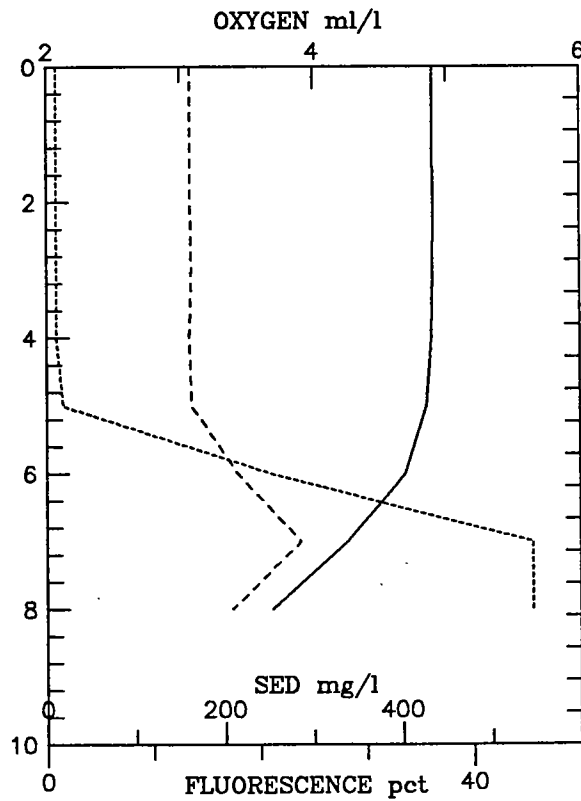
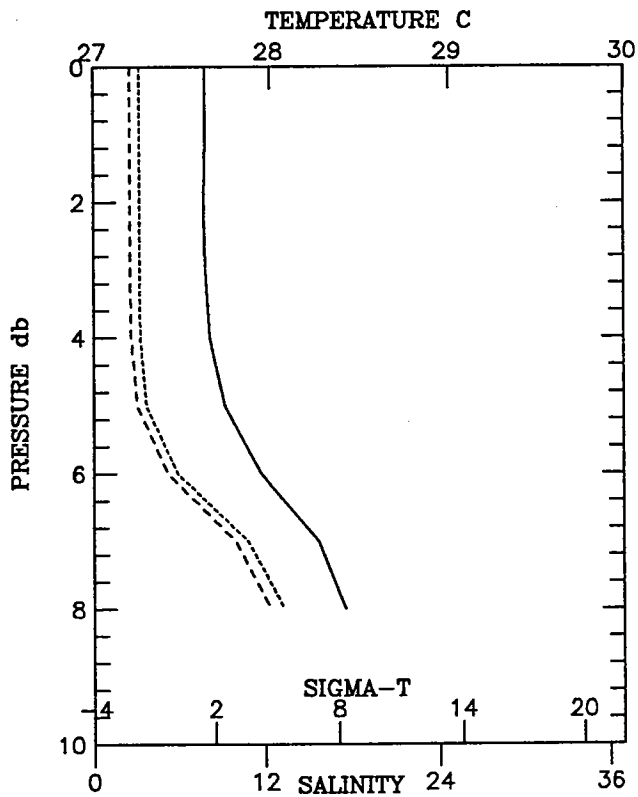
Cruise I9004 Leg 4 Station # 5.13 Depth m:10 Time: 1990-06-03 00:15
 Position: 1° 41.39'N 49° 9.18'W Depth Deck Offset: -0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.691	2.465	-1.827	0.0000	4.886	13.3	15.4
1.0	27.691	2.465	-1.827	0.0298	4.886	13.3	15.4
2.0	27.706	2.488	-1.814	0.0590	4.860	13.7	11.0
3.0	27.713	2.500	-1.807	0.0882	4.855	13.6	11.0
4.0	27.739	2.600	-1.739	0.1174	4.844	13.7	11.0
5.0	27.864	3.502	-1.101	0.1462	4.757	13.7	10.2
6.0	28.062	5.785	0.546	0.1739	4.537	13.5	8.9



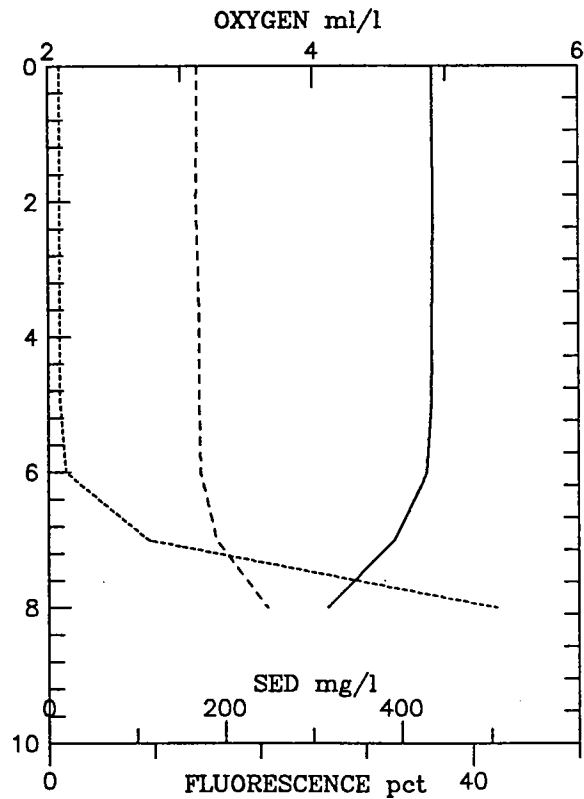
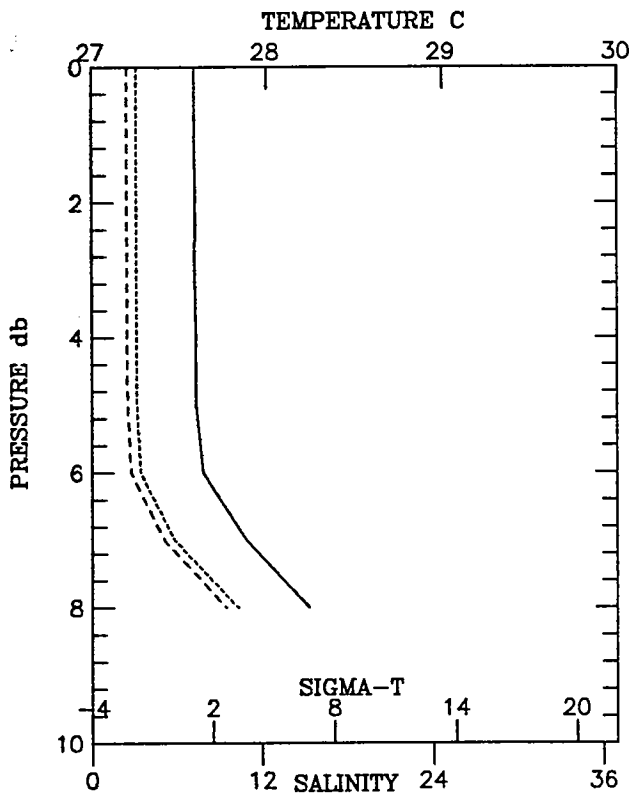
Cruise 19004 Leg 4 Station # 5.14 Depth m:10 Time: 1990-06-03 01:27
 Position: 1° 41.40'N 49° 9.17'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.637	2.574	-1.730	0.0000	4.900	13.5	10.3
1.0		27.637	2.574	-1.730	0.0291	4.901	13.5	10.3
2.0		27.631	2.552	-1.744	0.0583	4.904	13.5	10.5
3.0		27.636	2.558	-1.741	0.0874	4.898	13.6	10.6
4.0		27.662	2.623	-1.700	0.1165	4.890	13.4	10.5
5.0		27.747	3.052	-1.403	0.1455	4.850	13.6	18.2
6.0		27.951	5.212	0.151	0.1735	4.688	17.9	251.9
7.0		28.271	9.972	3.604	0.1990	4.255	23.8	545.5
8.0		28.418	12.370	5.345	0.2220	3.692	17.4	545.5



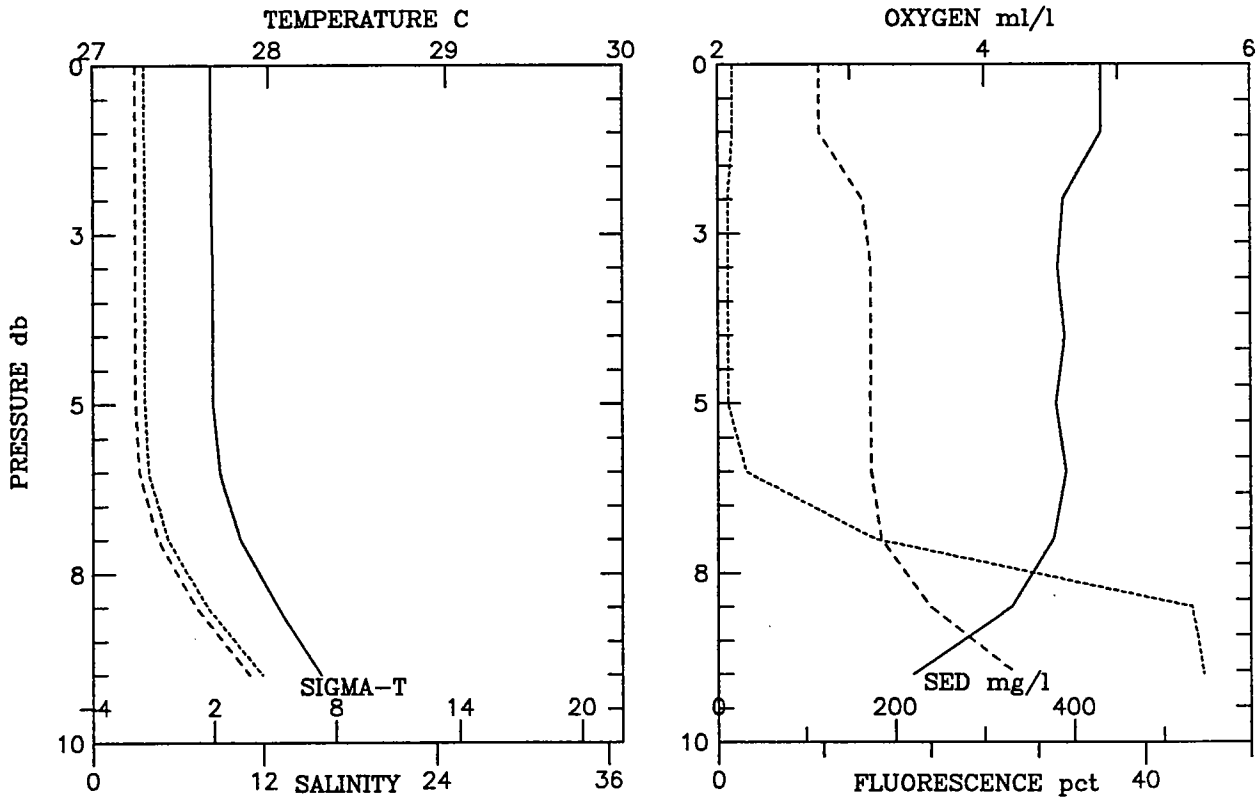
Cruise 19004 Leg 4 Station # 5.15 Depth m:10 Time: 1990-06-03 02:15
 Position: 1° 41.41'N 49° 9.17'W Depth Deck Offset: -0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.590	2.507	-1.766	0.0000	4.903	14.1	12.5
1.0		27.590	2.507	-1.766	0.0292	4.903	14.1	12.5
2.0		27.593	2.511	-1.764	0.0583	4.906	14.0	12.6
3.0		27.591	2.515	-1.761	0.0875	4.904	14.2	12.5
4.0		27.597	2.526	-1.754	0.1167	4.897	14.3	12.8
5.0		27.598	2.537	-1.746	0.1458	4.893	14.3	13.1
6.0		27.638	2.790	-1.568	0.1749	4.860	14.4	19.5
7.0		27.886	5.135	0.112	0.2030	4.618	15.9	113.0
8.0		28.240	9.480	3.246	0.2287	4.113	20.7	506.2



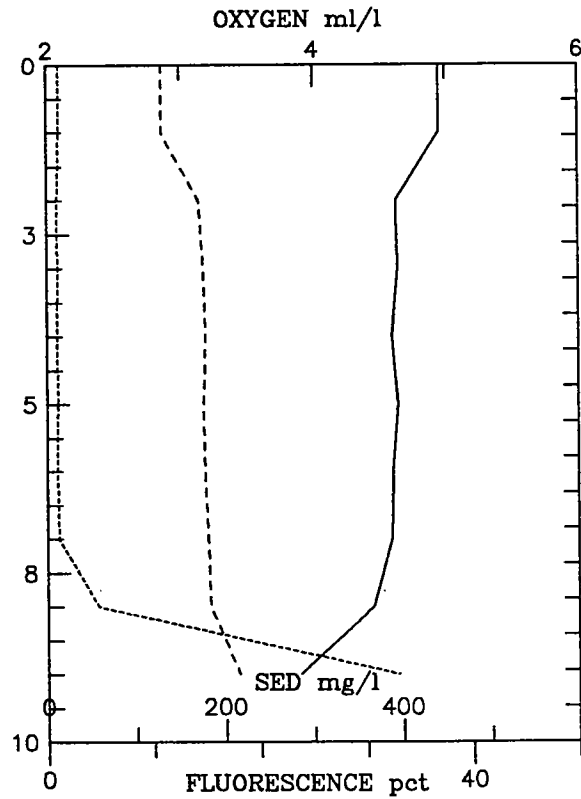
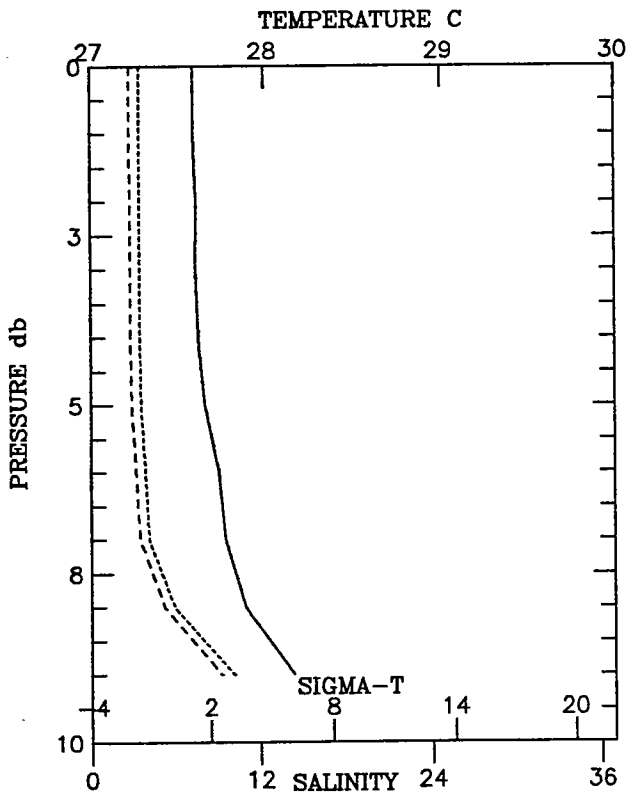
Cruise 19004 Leg 4 Station # 5.16 Depth m:10 Time: 1990-06-03 03:15
 Position: 1° 41.41'N 49° 9.17'W Depth Deck Offset: -0.20 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.673	2.941	-1.465	0.0000	4.873	9.6	16.6
1.0		27.673	2.941	-1.465	0.0296	4.873	9.6	16.6
2.0		27.676	2.984	-1.434	0.0585	4.587	13.7	11.0
3.0		27.686	2.988	-1.434	0.0873	4.551	14.5	11.3
4.0		27.686	2.988	-1.434	0.1161	4.599	14.5	11.2
5.0		27.685	2.988	-1.433	0.1450	4.535	14.4	11.2
6.0		27.724	3.235	-1.260	0.1737	4.610	14.5	31.8
7.0		27.840	4.593	-0.279	0.2019	4.514	15.4	177.7
8.0		28.053	7.291	1.671	0.2286	4.204	20.0	532.1
9.0		28.300	11.014	4.371	0.2530	3.474	28.0	545.5



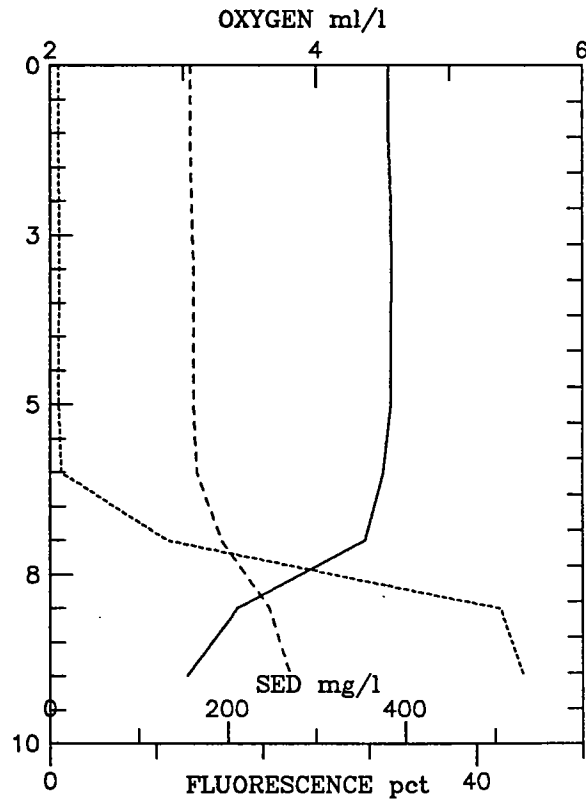
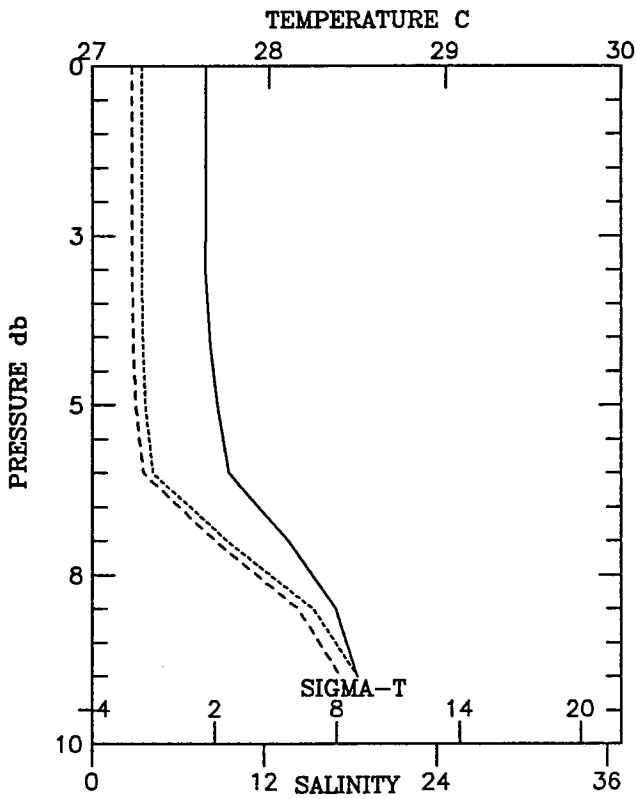
Cruise 19004 Leg 4 Station # 5.17 Depth m:11 Time: 1990-06-03 04:16
 Position: 1° 41.36'N 49° 9.20'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.600	2.850	-1.513	0.0000	4.954	10.8	13.4
1.0		27.600	2.850	-1.513	0.0296	4.954	10.8	13.4
2.0		27.616	2.865	-1.506	0.0585	4.626	14.3	11.5
3.0		27.614	2.864	-1.506	0.0874	4.636	14.7	11.7
4.0		27.625	2.876	-1.500	0.1163	4.594	14.9	11.6
5.0		27.663	2.948	-1.457	0.1452	4.637	14.7	11.7
6.0		27.741	3.261	-1.246	0.1740	4.597	14.8	11.4
7.0		27.778	3.517	-1.065	0.2025	4.587	15.1	12.5
8.0		27.892	5.277	0.216	0.2304	4.446	15.3	57.7
9.0		28.164	9.325	3.153	0.2561	3.892	18.0	394.5



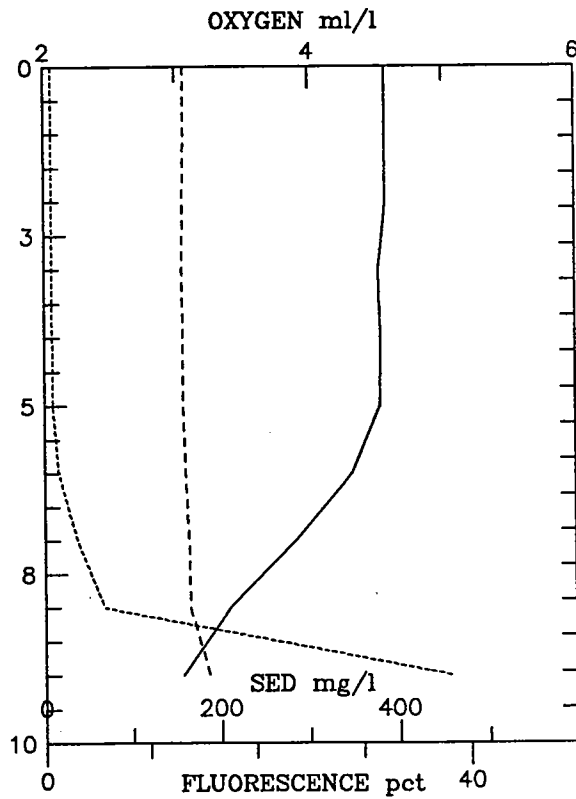
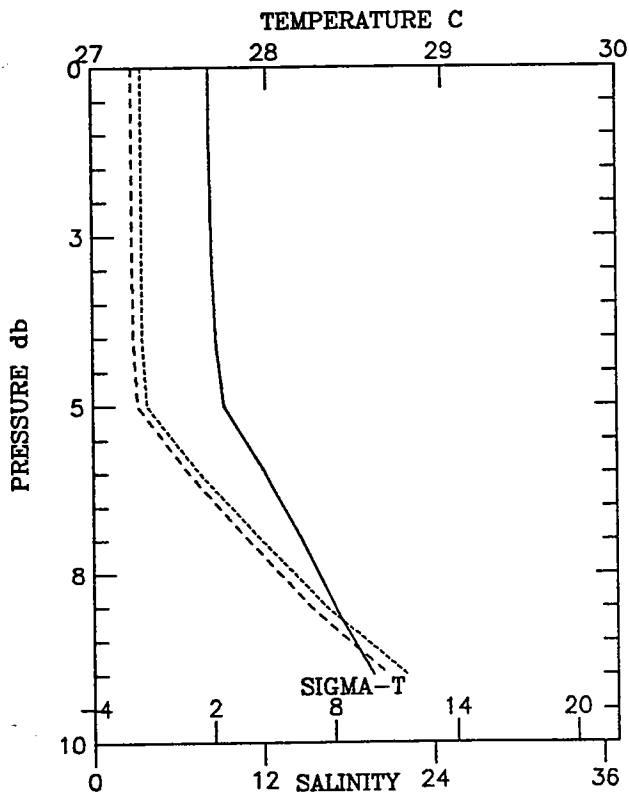
Cruise 19004 Leg 4 Station # 5.18 Depth m:11 Time: 1990-06-03 05:17
 Position: 1° 41.38'N 49° 9.21'W Depth Deck Offset: -0.13 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.639	2.752	-1.597	0.0000	4.546	13.2	9.3
1.0	27.639	2.752	-1.597	0.0290	4.546	13.2	9.3
2.0	27.640	2.744	-1.603	0.0580	4.565	13.3	9.5
3.0	27.639	2.737	-1.608	0.0870	4.568	13.5	9.7
4.0	27.662	2.816	-1.556	0.1160	4.565	13.5	9.4
5.0	27.707	2.997	-1.433	0.1449	4.562	13.5	9.3
6.0	27.773	3.542	-1.045	0.1735	4.504	13.8	12.2
7.0	28.108	8.564	2.603	0.2001	4.370	16.1	131.8
8.0	28.379	14.360	6.838	0.2229	3.405	20.6	506.2
9.0	28.498	17.326	9.013	0.2424	3.033	22.6	532.1



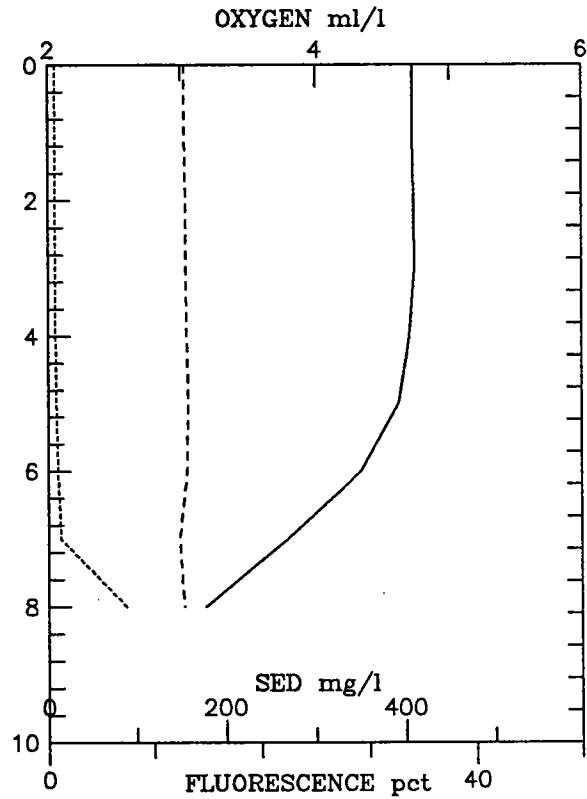
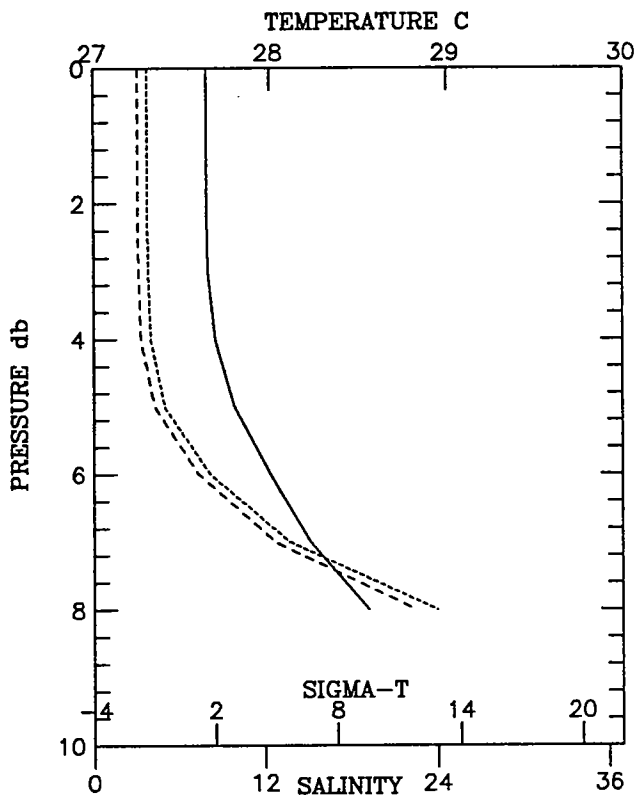
Cruise I9004 Leg 4 Station # 5.19 Depth m:11 Time: 1990-06-03 06:15
 Position: 1° 41.38'N 49° 9.22'W Depth Deck Offset: -0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.675	2.844	-1.538	0.0000	4.573	13.3	8.7
1.0	27.675	2.844	-1.538	0.0289	4.574	13.3	8.7
2.0	27.680	2.846	-1.538	0.0579	4.571	13.2	8.8
3.0	27.687	2.854	-1.534	0.0868	4.520	13.1	8.8
4.0	27.705	2.868	-1.529	0.1157	4.533	13.2	8.8
5.0	27.751	3.185	-1.305	0.1446	4.529	13.2	9.1
6.0	27.986	6.762	1.296	0.1720	4.323	13.4	15.6
7.0	28.196	10.957	4.360	0.1966	3.899	13.7	36.7
8.0	28.386	15.359	7.581	0.2180	3.406	13.8	67.9
9.0	28.601	20.751	11.534	0.2360	3.048	15.6	458.2



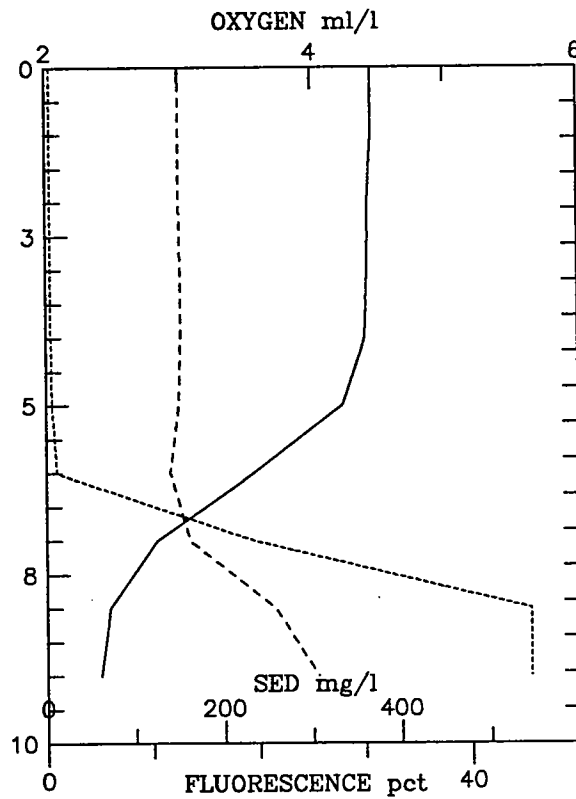
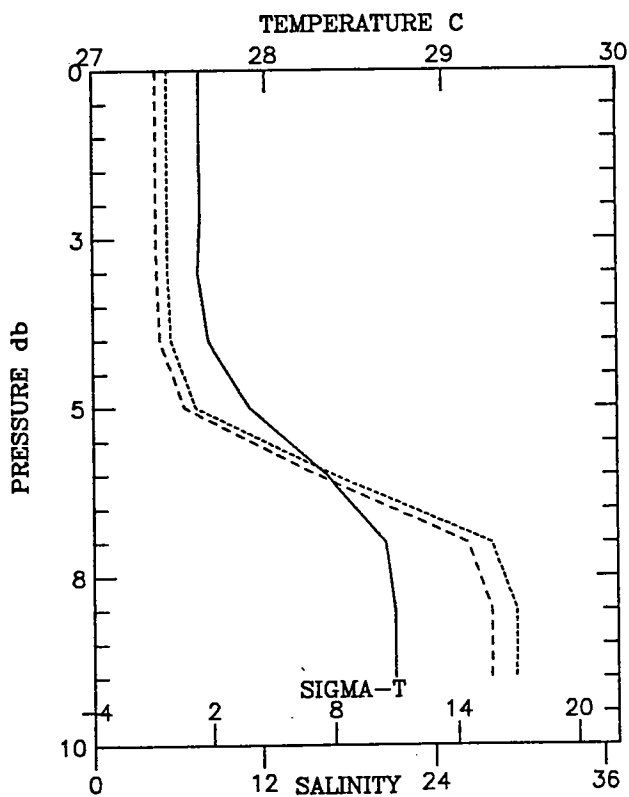
Cruise I9004 Leg 4 Station # 5.20 Depth m:11 Time: 1990-06-03 07:18
 Position: 1° 41.37'N 49° 9.23'W Depth Deck Offset: -0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.646	3.077	-1.356	0.0000	4.721	12.9	7.9
1.0		27.646	3.077	-1.356	0.0288	4.721	12.9	7.9
2.0		27.646	3.085	-1.349	0.0575	4.731	13.0	7.9
3.0		27.652	3.139	-1.312	0.0862	4.737	13.0	7.9
4.0		27.693	3.323	-1.186	0.1149	4.700	13.1	7.9
5.0		27.800	4.273	-0.507	0.1431	4.618	13.2	8.7
6.0		28.004	7.379	1.751	0.1699	4.335	13.1	10.5
7.0		28.230	12.710	5.655	0.1936	3.790	12.4	13.8
8.0		28.561	22.526	12.871	0.2119	3.184	12.8	88.5



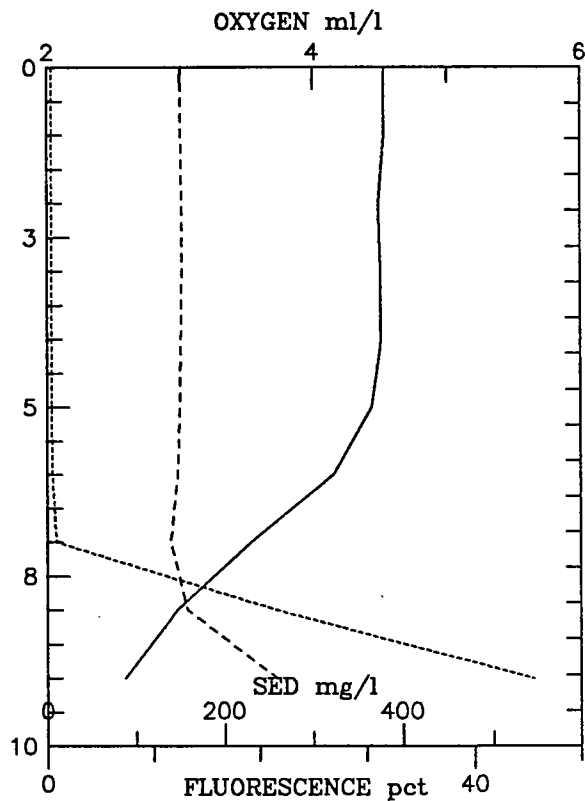
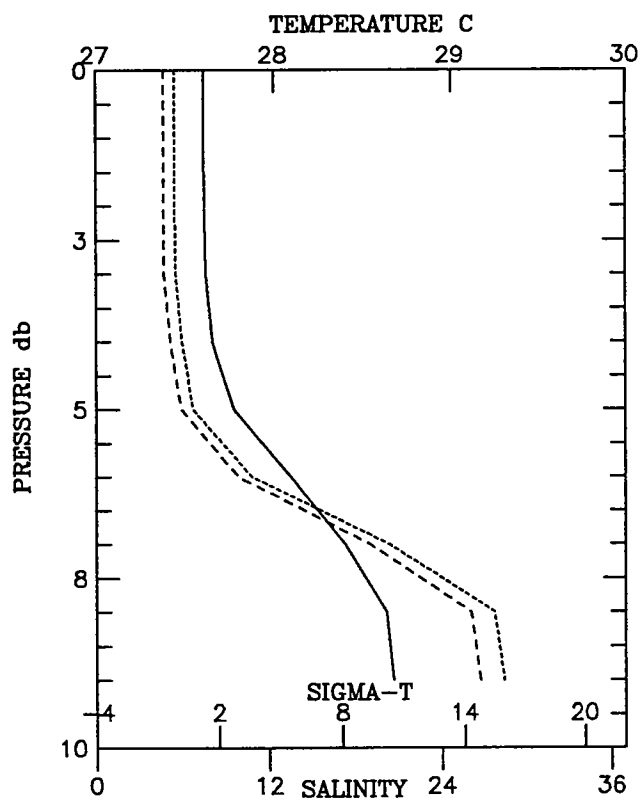
Cruise 19004 Leg 4 Station # 5.21 Depth m:12 Time: 1990-06-03 08:15
 Position: 1° 41.38'N 49° 9.25'W Depth Deck Offset: -0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.624	4.593	-0.217	0.0000	4.457	12.6	5.0
1.0		27.624	4.593	-0.217	0.0276	4.458	12.6	5.0
2.0		27.625	4.595	-0.216	0.0552	4.429	12.6	4.9
3.0		27.614	4.611	-0.201	0.0828	4.423	12.7	5.0
4.0		27.669	4.815	-0.064	0.1104	4.401	12.7	5.1
5.0		27.902	6.552	1.164	0.1372	4.234	12.5	5.9
6.0		28.341	15.901	7.999	0.1601	3.565	11.7	11.5
7.0		28.670	26.333	15.681	0.1758	2.834	13.5	233.8
8.0		28.721	28.023	16.928	0.1872	2.474	21.5	545.5
9.0		28.721	27.957	16.879	0.1979	2.405	25.5	545.5



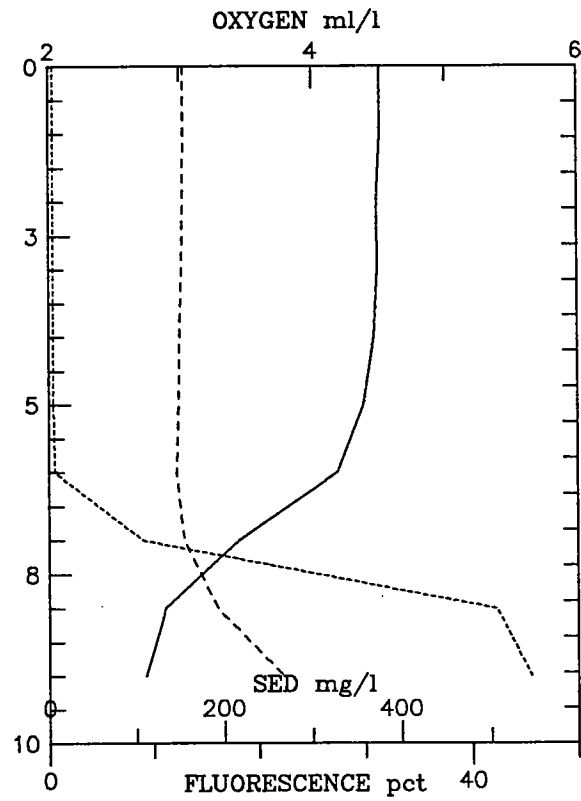
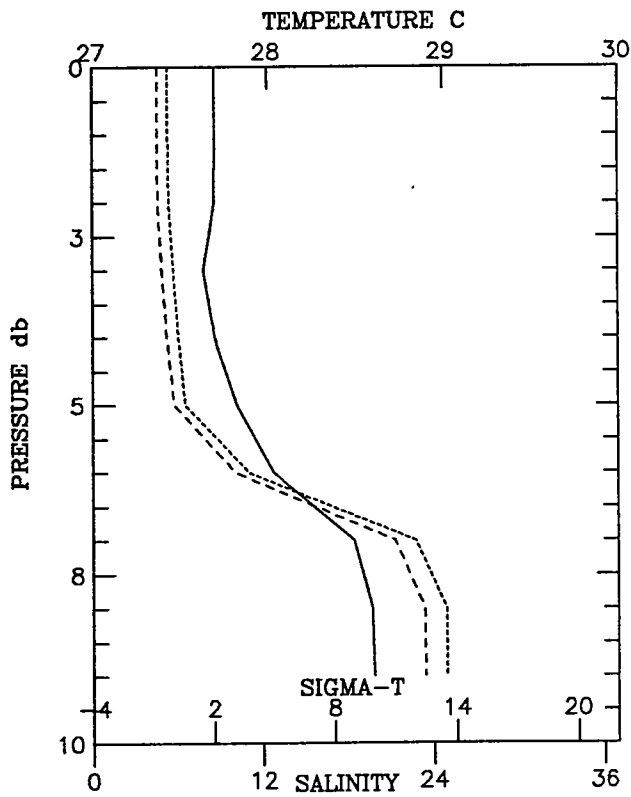
Cruise I9004 Leg 4 Station # 5.22 Depth m:12 Time: 1990-06-03 09:17
 Position: 1° 41.39'N 49° 9.22'W Depth Deck Offset: -0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.610	4.697	-0.135	0.0000	4.533	12.6	4.6
1.0		27.609	4.697	-0.135	0.0275	4.533	12.6	4.6
2.0		27.612	4.699	-0.135	0.0551	4.494	12.7	4.6
3.0		27.619	4.740	-0.106	0.0826	4.509	12.7	4.6
4.0		27.655	5.165	0.201	0.1099	4.511	12.6	4.6
5.0		27.777	5.927	0.734	0.1369	4.444	12.5	4.7
6.0		28.091	9.892	3.597	0.1621	4.159	12.3	5.6
7.0		28.398	18.945	10.250	0.1827	3.540	11.6	9.9
8.0		28.632	26.077	15.502	0.1974	2.978	13.2	258.3
9.0		28.671	26.728	15.976	0.2093	2.583	21.6	545.5



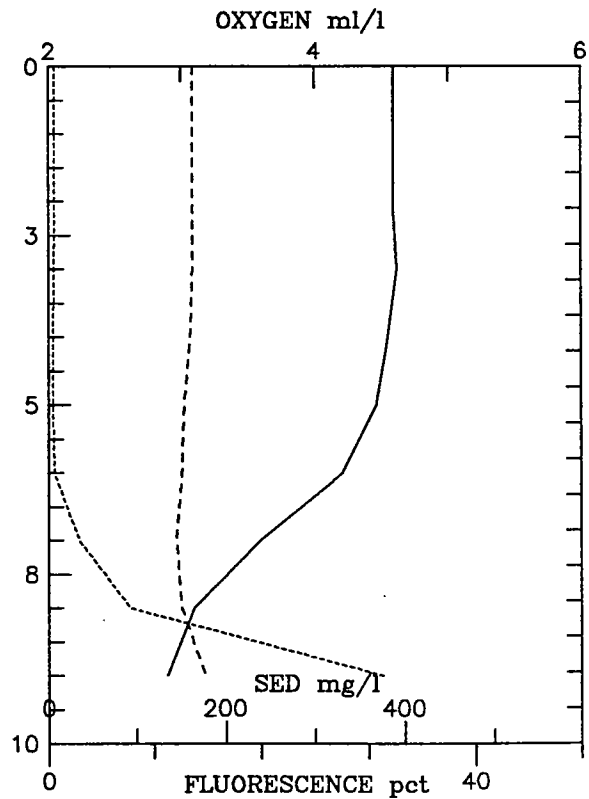
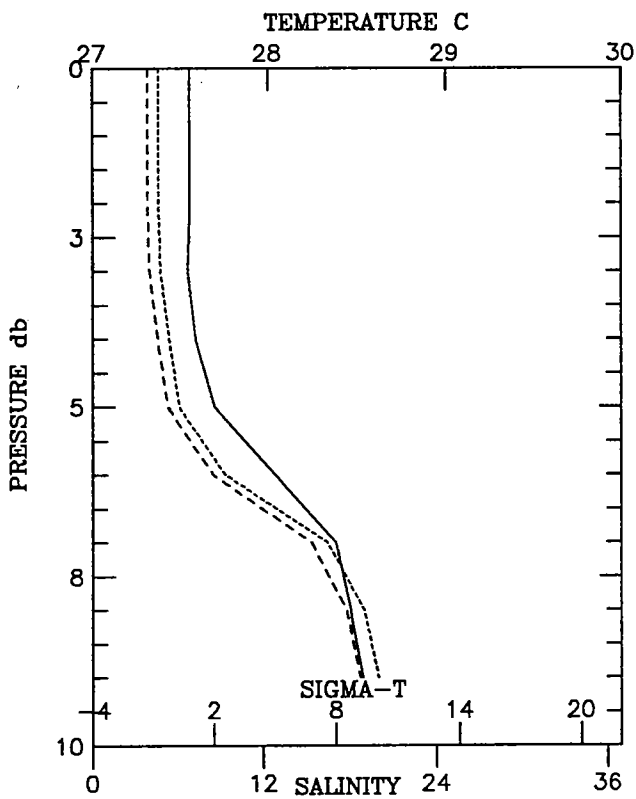
Cruise I9004 Leg 4 Station # 5.23 Depth m:12 Time: 1990-06-03 10:13
 Position: 1° 41.40'N 49° 9.20'W Depth Deck Offset: -0.13 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.700	4.608	-0.228	0.0000	4.515	12.9	4.6
1.0	27.700	4.608	-0.228	0.0276	4.516	12.9	4.6
2.0	27.695	4.663	-0.185	0.0552	4.490	12.8	4.7
3.0	27.633	4.919	0.024	0.0827	4.495	12.7	4.5
4.0	27.701	5.280	0.274	0.1100	4.469	12.5	4.5
5.0	27.822	5.765	0.600	0.1369	4.390	12.4	4.9
6.0	28.033	10.057	3.738	0.1622	4.192	12.2	6.3
7.0	28.495	21.321	11.992	0.1818	3.446	12.9	108.2
8.0	28.599	23.384	13.500	0.1966	2.885	16.1	506.2
9.0	28.608	23.405	13.513	0.2107	2.742	22.3	545.5



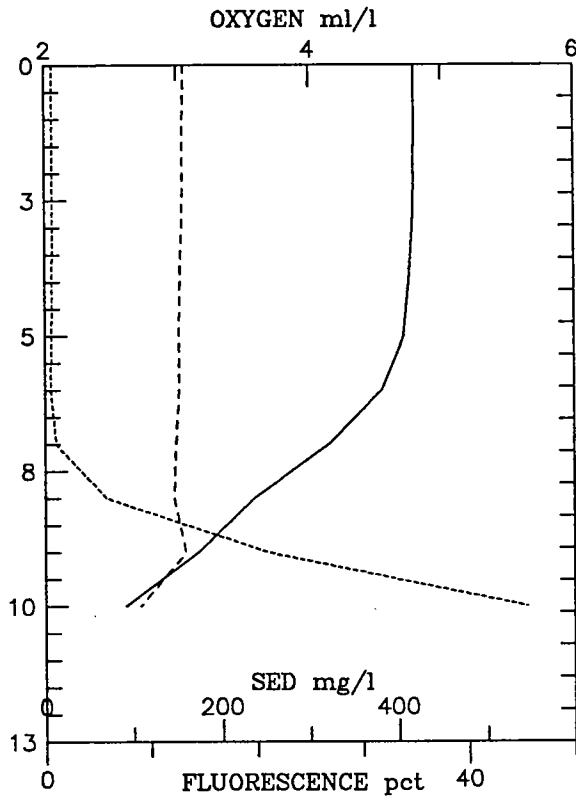
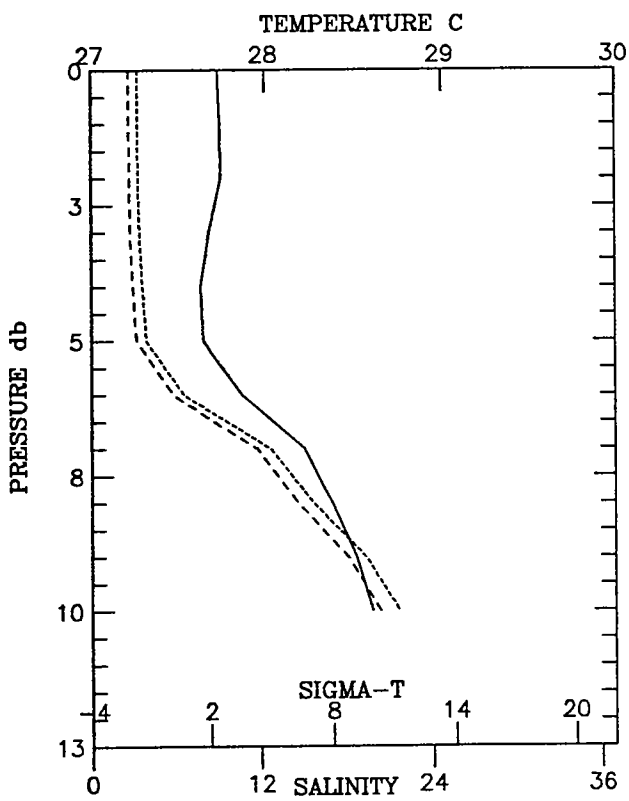
Cruise 19004 Leg 4 Station # 5.24 Depth m:11 Time: 1990-06-03 11:15
 Position: 1° 41.39'N 49° 9.17'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.554	3.847	-0.754	0.0000	4.588	13.6	5.9
1.0	E	27.554	3.847	-0.754	0.0282	4.588	13.6	5.9
2.0		27.554	3.847	-0.754	0.0563	4.589	13.6	5.9
3.0		27.542	3.977	-0.653	0.0844	4.613	13.6	5.7
4.0		27.585	4.568	-0.224	0.1123	4.545	13.4	4.7
5.0		27.693	5.280	0.276	0.1396	4.455	12.8	4.5
6.0		28.040	8.489	2.568	0.1656	4.206	12.6	6.2
7.0		28.383	15.368	7.588	0.1880	3.593	12.1	34.8
8.0		28.468	17.793	9.369	0.2070	3.100	12.6	92.8
9.0		28.534	18.756	10.067	0.2247	2.901	14.8	375.4



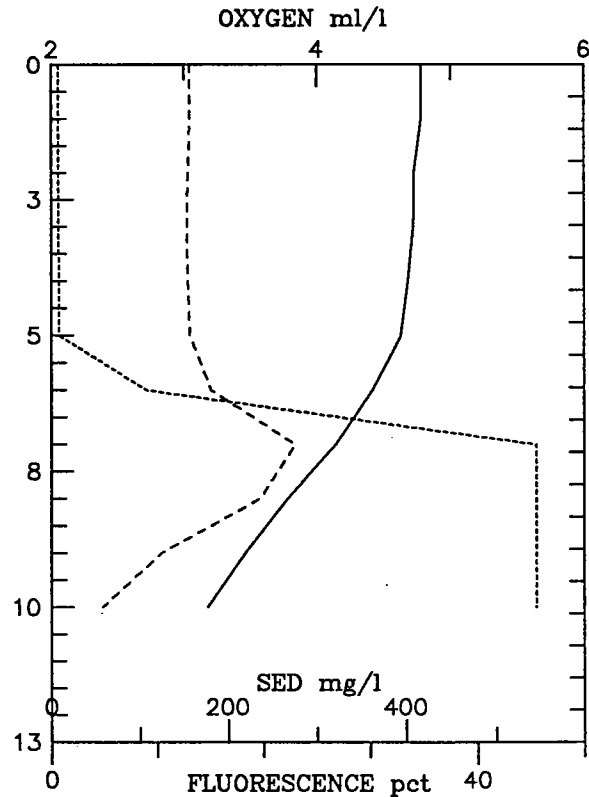
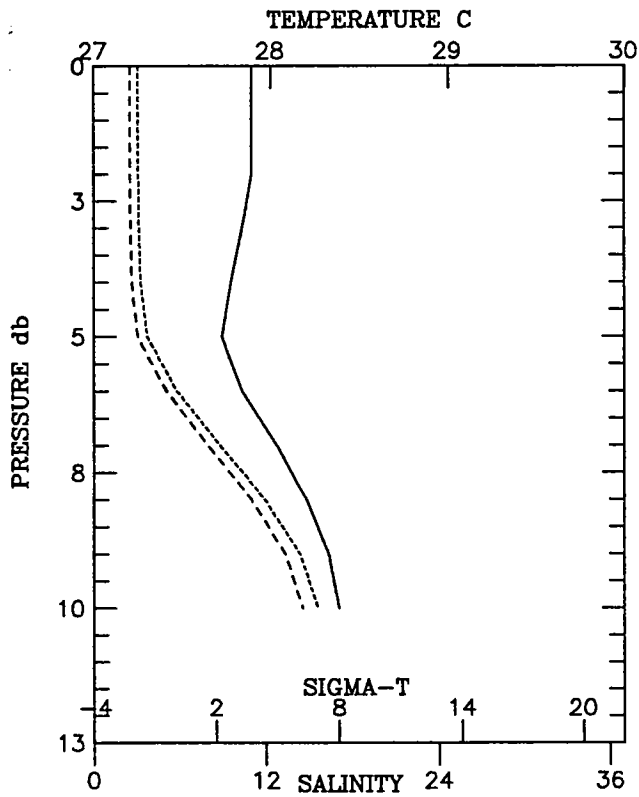
Cruise 19004 Leg 4 Station # 5.25 Depth m:10 Time: 1990-06-03 12:16
 Position: 1° 41.41'N 49° 9.16'W Depth Deck Offset: -0.15 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.738	2.737	-1.636	0.0000	4.797	13.2	8.4
1.0	27.749	2.757	-1.625	0.0290	4.795	13.1	8.3
2.0	27.754	2.782	-1.607	0.0580	4.792	13.1	8.2
3.0	27.684	2.830	-1.551	0.0870	4.781	13.0	8.2
4.0	27.638	3.006	-1.406	0.1159	4.754	12.8	7.8
5.0	27.653	3.272	-1.212	0.1446	4.714	12.7	7.1
6.0	27.872	5.908	0.693	0.1723	4.549	12.7	6.3
7.0	28.223	11.741	4.935	0.1969	4.150	12.4	12.1
8.0	28.380	14.620	7.032	0.2183	3.576	12.2	70.0
9.0	28.515	18.103	9.586	0.2375	3.159	13.3	251.9
10.0	28.603	20.320	11.212	0.2546	2.609	9.0	545.5



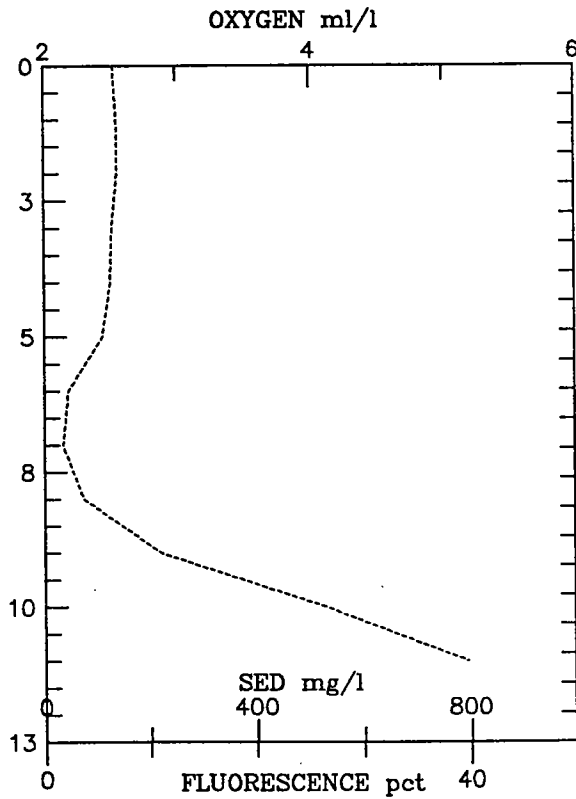
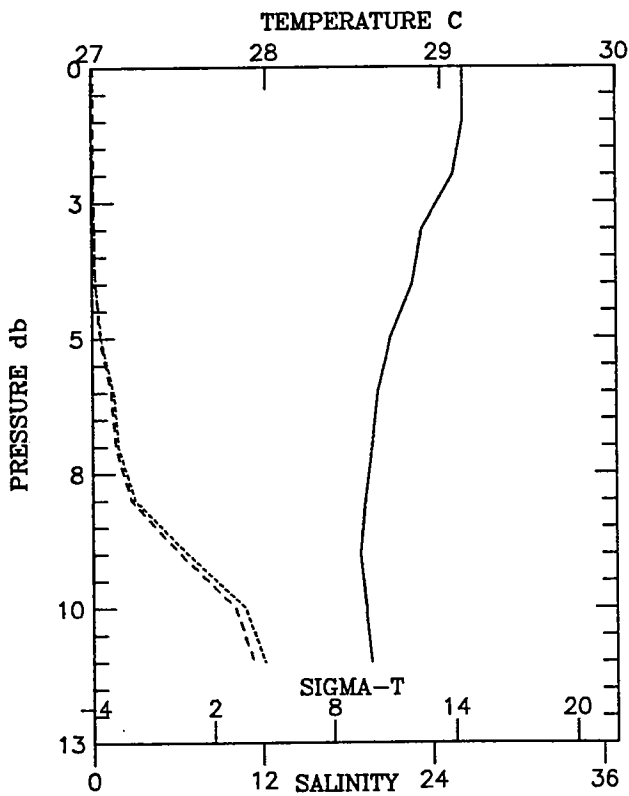
Cruise 19004 Leg 4 Station # 5.26 Depth m:10 Time: 1990-06-03 13:16
 Position: 1° 41.42'N 49° 9.20'W Depth Deck Offset: 0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.893	2.571	-1.805	0.0000	4.783	13.1	7.7
1.0		27.893	2.571	-1.805	0.0292	4.784	13.1	7.7
2.0		27.890	2.568	-1.806	0.0584	4.730	12.9	7.8
3.0		27.835	2.595	-1.771	0.0876	4.724	12.8	7.9
4.0		27.775	2.678	-1.691	0.1167	4.684	12.9	8.0
5.0		27.725	3.093	-1.366	0.1457	4.631	13.1	8.7
6.0		27.837	5.079	0.084	0.1737	4.416	15.1	106.9
7.0		28.032	7.986	2.195	0.2000	4.143	23.0	545.5
8.0		28.202	10.991	4.383	0.2241	3.783	19.7	545.5
9.0		28.324	13.335	6.092	0.2463	3.465	10.4	545.5
10.0		28.384	14.528	6.962	0.2672	3.181	4.8	545.5



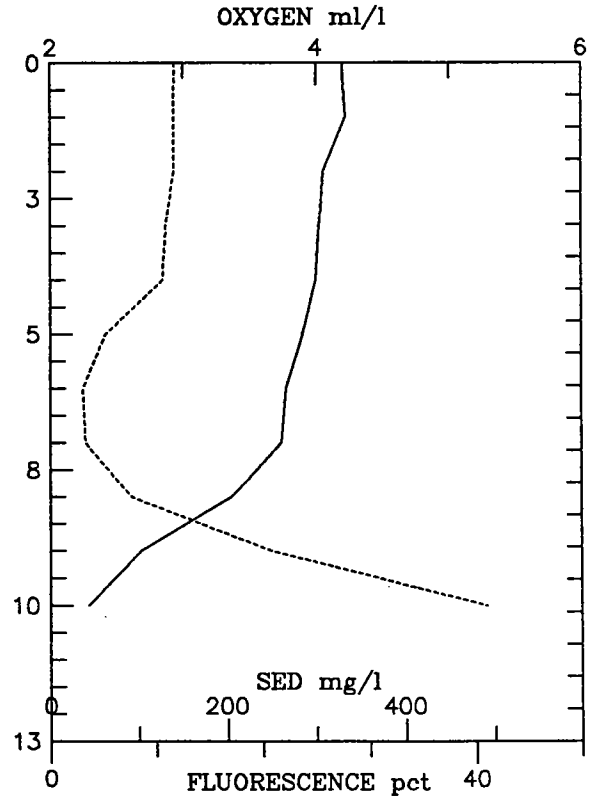
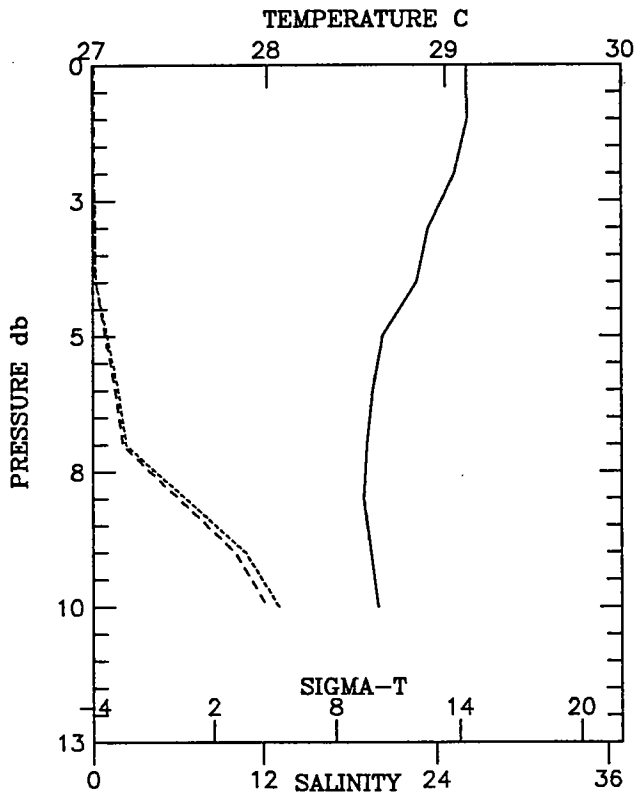
Cruise 19004 Leg 4 Station # 6 Depth m:13 Time: 1990-06-03 17:38
 Position: 1° 24.82'N 49° 23.99'W Depth Deck Offset: 0.75 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	29.127	0.143	-3.981	0.0000	0.000	0.0	131.9
1.0		29.127	0.136	-3.986	0.0314	0.000	0.0	138.2
2.0		29.069	0.141	-3.965	0.0628	0.000	0.0	138.5
3.0		28.893	0.191	-3.876	0.0941	0.000	0.0	128.8
4.0		28.836	0.215	-3.841	0.1254	0.000	0.0	125.5
5.0		28.709	0.527	-3.571	0.1565	0.000	0.0	110.0
6.0		28.636	1.337	-2.943	0.1871	0.000	0.0	44.5
7.0		28.604	1.622	-2.720	0.2174	0.000	0.0	34.6
8.0		28.567	2.724	-1.885	0.2471	0.000	0.0	74.2
9.0		28.536	6.189	0.708	0.2751	0.000	0.0	221.5
10.0		28.570	10.045	3.568	0.3003	0.000	0.0	528.5
11.0		28.597	11.361	4.540	0.3237	0.000	0.0	793.8



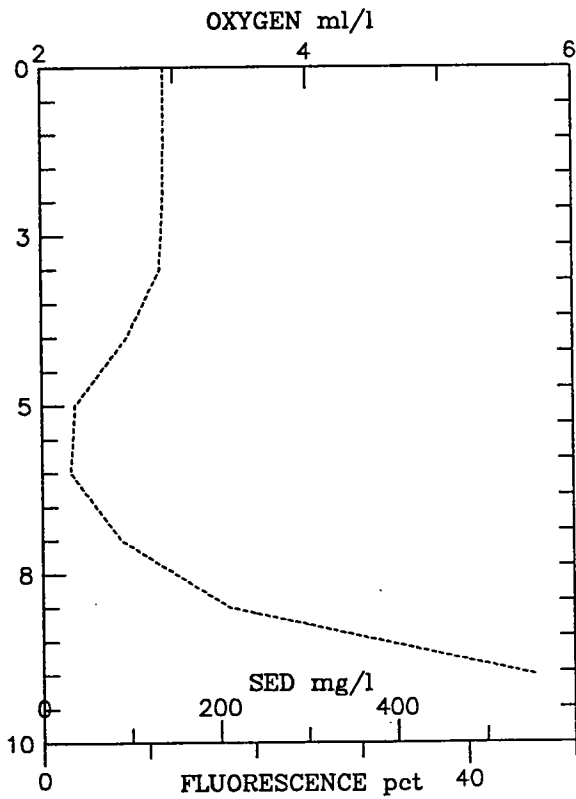
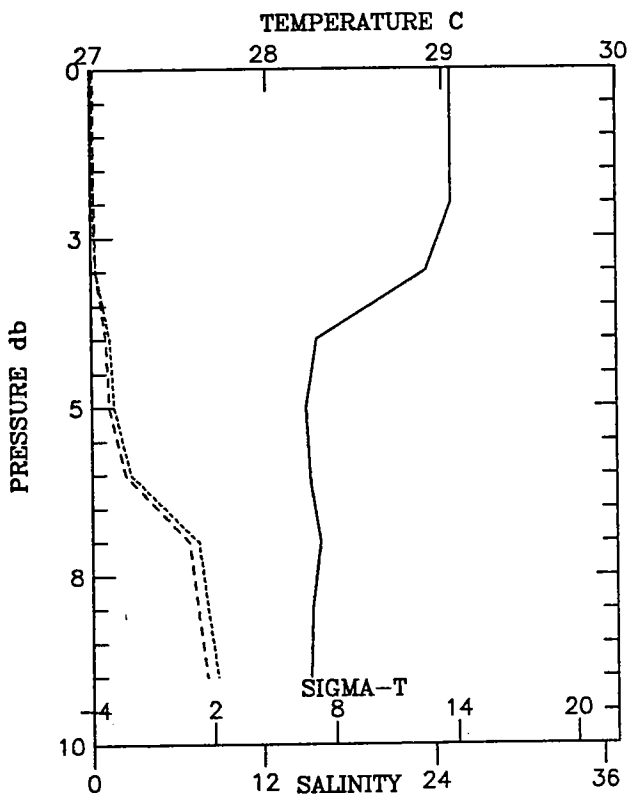
Cruise I9004 Leg 4 Station # 6.01 Depth m:13 Time: 1990-06-03 17:53
 Position: 1° 25.15'N 49° 23.82'W Depth Deck Offset: -0.40 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	29.123	0.167	-3.962	0.0000	4.200	0.0	140.4
1.0		29.124	0.149	-3.975	0.0313	4.218	0.0	139.8
2.0		29.052	0.157	-3.948	0.0627	4.056	0.0	139.7
3.0		28.903	0.192	-3.879	0.0940	4.019	0.0	130.7
4.0		28.838	0.210	-3.846	0.1253	3.995	0.0	126.8
5.0		28.646	0.878	-3.289	0.1563	3.898	0.0	62.2
6.0		28.591	1.576	-2.750	0.1867	3.771	0.0	36.7
7.0		28.557	2.093	-2.354	0.2166	3.738	0.0	39.5
8.0		28.538	6.068	0.617	0.2449	3.364	0.0	91.7
9.0		28.581	10.051	3.569	0.2702	2.688	0.0	249.0
10.0		28.618	12.297	5.230	0.2932	2.289	0.0	491.7



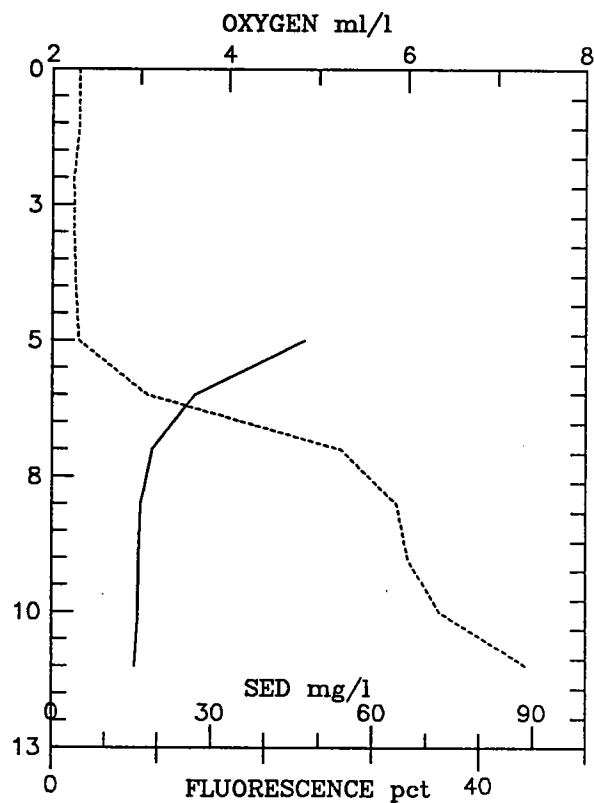
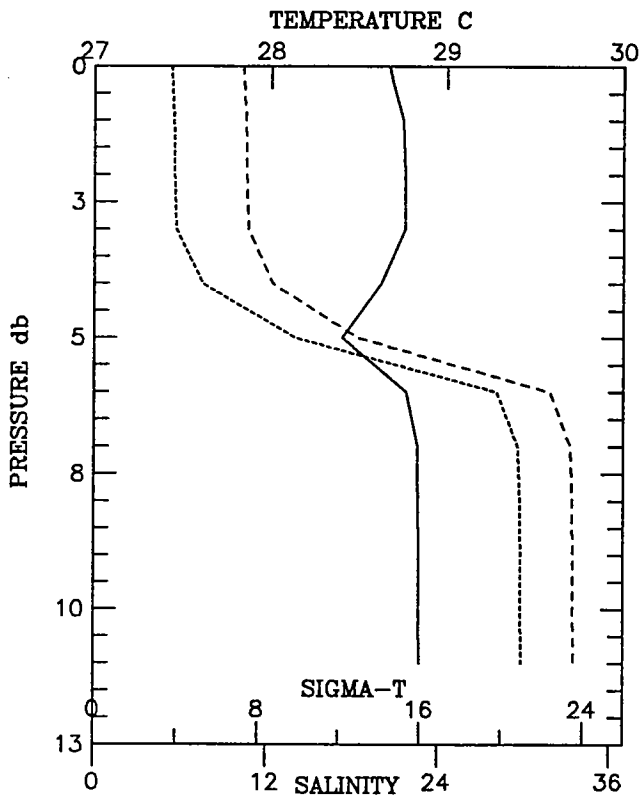
Cruise 19004 Leg 4 Station # 7 Depth m:11 Time: 1990-06-03 19:14
 Position: 1° 33.93'N 49° 16.12'W Depth Deck Offset: 0.17 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 29.049	0.245	-3.882	0.0000	0.000	0.0	139.1
1.0	29.049	0.245	-3.882	0.0313	0.000	0.0	139.1
2.0	29.048	0.246	-3.881	0.0626	0.000	0.0	137.9
3.0	28.905	0.342	-3.766	0.0938	0.000	0.0	133.9
4.0	28.283	1.021	-3.077	0.1246	0.000	0.0	96.1
5.0	28.220	1.259	-2.880	0.1550	0.000	0.0	37.1
6.0	28.243	2.367	-2.058	0.1849	0.000	0.0	32.3
7.0	28.299	6.836	1.260	0.2127	0.000	0.0	89.2
8.0	28.254	7.417	1.706	0.2386	0.000	0.0	210.7
9.0	28.242	8.043	2.175	0.2641	0.000	0.0	554.5



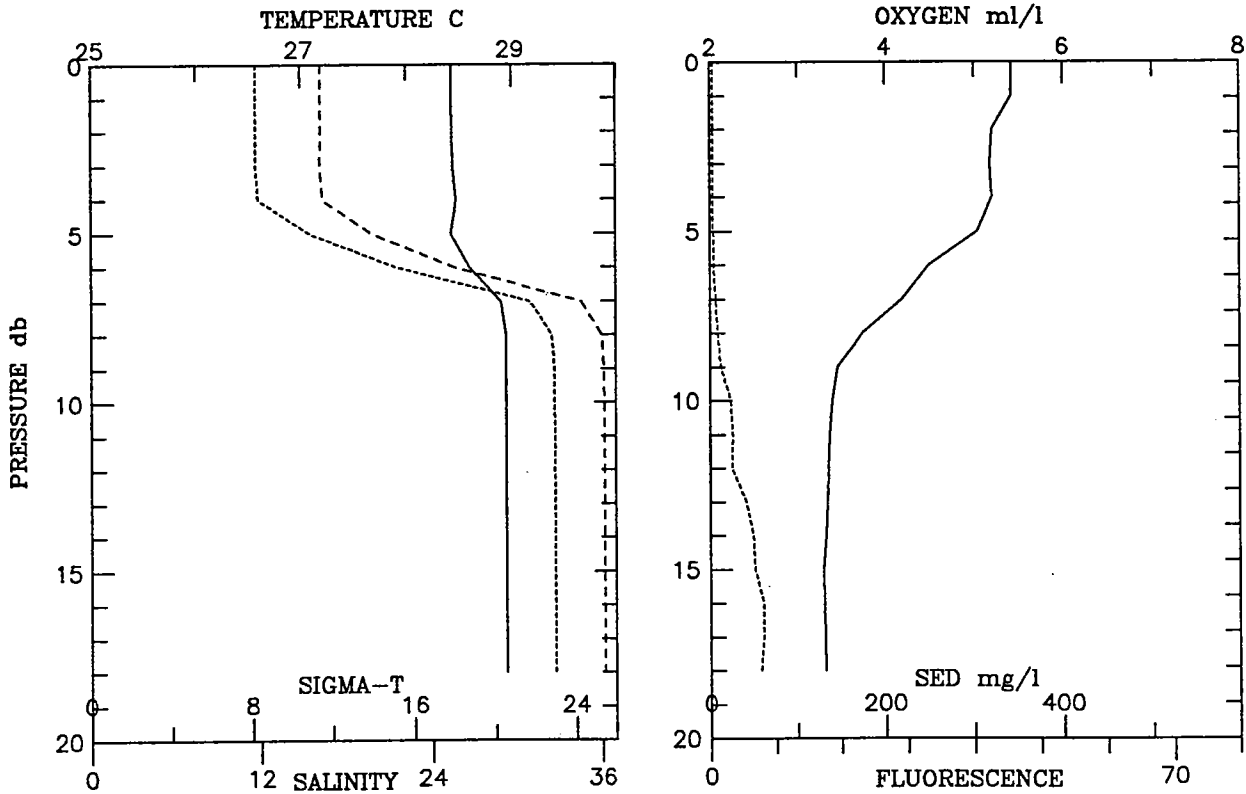
Cruise 19004 Leg 4 Station # 8 Depth m:14 Time: 1990-06-03 21:57
 Position: 1° 52.41'N 49° 2.65'W Depth Deck Offset: 0.08 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.670	10.358	3.771	0.0000	0.000	0.0	5.1
1.0	28.748	10.558	3.896	0.0236	0.000	0.0	5.1
2.0	28.760	10.603	3.926	0.0471	0.000	0.0	4.0
3.0	28.761	10.721	4.013	0.0705	0.000	0.0	4.1
4.0	28.628	12.433	5.328	0.0933	0.000	0.0	4.4
5.0	28.406	18.404	9.844	0.1132	4.839	0.0	5.0
6.0	28.768	31.872	19.796	0.1260	3.617	0.0	18.0
7.0	28.832	33.282	20.833	0.1335	3.136	0.0	54.2
8.0	28.840	33.421	20.934	0.1404	3.005	0.0	64.6
9.0	28.841	33.458	20.962	0.1473	2.985	0.0	66.6
10.0	28.841	33.466	20.968	0.1542	2.978	0.0	72.6
11.0	28.843	33.526	21.012	0.1611	2.941	0.0	88.9



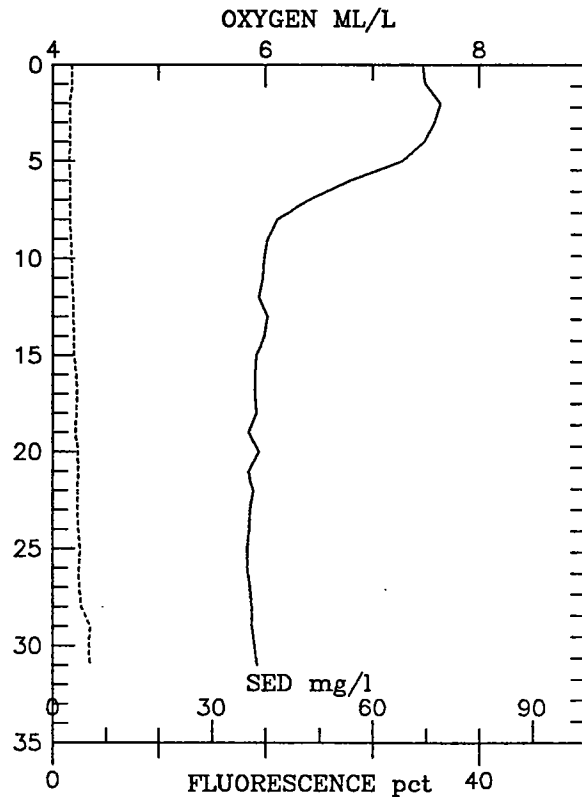
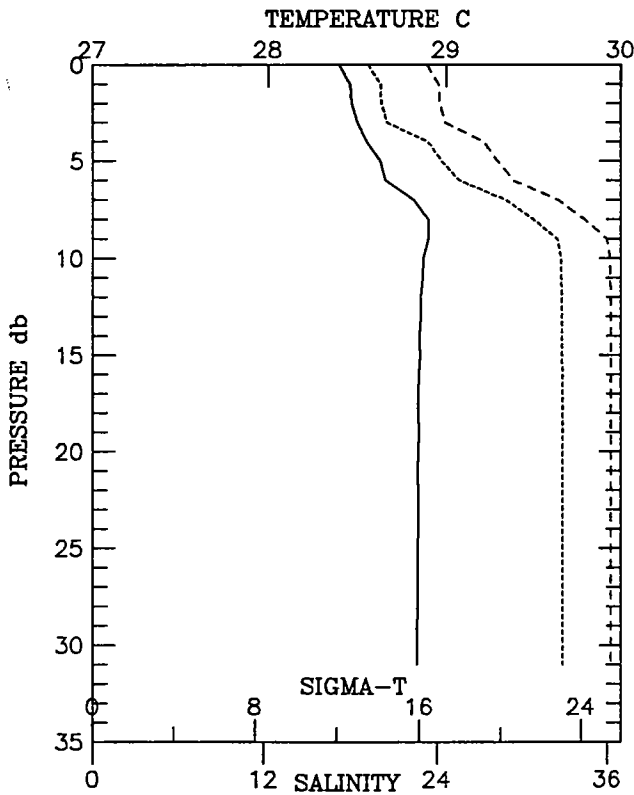
Cruise 19004 Leg 4 Station # 9 Depth m:20 Time: 1990-06-03 23:39
 Position: 2° 4.38'N 48° 52.53'W Depth Deck Offset: 0.08 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.435	16.235	8.219	0.0000	5.424	0.0	3.2
1.0		28.435	16.235	8.219	0.0193	5.424	0.0	3.2
2.0		28.438	16.234	8.217	0.0385	5.204	0.0	3.2
3.0		28.442	16.224	8.208	0.0578	5.180	0.0	3.2
4.0		28.473	16.390	8.322	0.0770	5.202	0.0	3.2
5.0		28.426	19.826	10.899	0.0949	5.041	0.0	3.6
6.0		28.599	25.629	15.177	0.1094	4.491	0.0	3.8
7.0		28.900	34.491	21.718	0.1187	4.188	0.0	6.2
8.0		28.946	35.971	22.813	0.1243	3.740	0.0	8.6
9.0		28.951	36.126	22.928	0.1294	3.460	0.0	12.1
10.0		28.951	36.142	22.940	0.1344	3.403	0.0	23.6
11.0		28.951	36.147	22.944	0.1394	3.371	0.0	25.4
12.0		28.951	36.143	22.941	0.1443	3.357	0.0	25.3
13.0		28.951	36.151	22.947	0.1493	3.339	0.0	41.2
14.0		28.951	36.152	22.948	0.1543	3.329	0.0	49.2
15.0		28.951	36.153	22.949	0.1593	3.303	0.0	51.1
16.0		28.951	36.153	22.949	0.1643	3.310	0.0	60.9
17.0		28.951	36.153	22.949	0.1692	3.315	0.0	60.6
18.0		28.951	36.154	22.949	0.1742	3.317	0.0	57.8



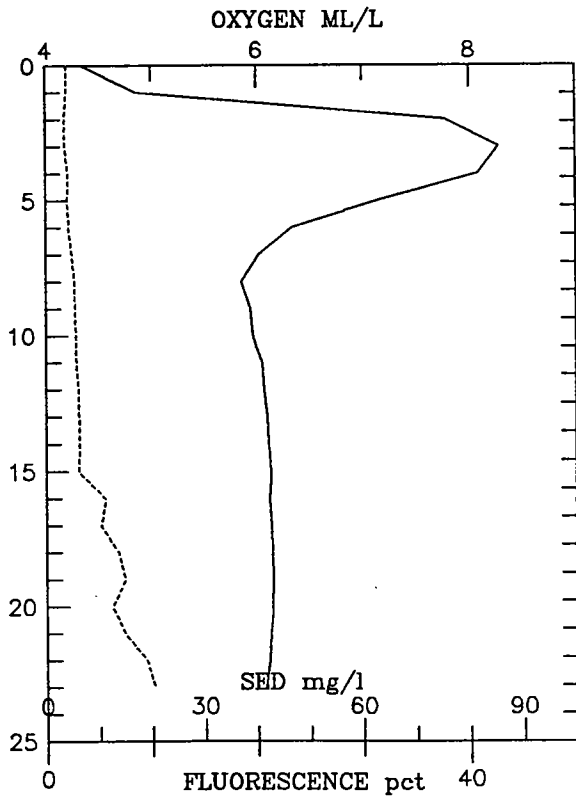
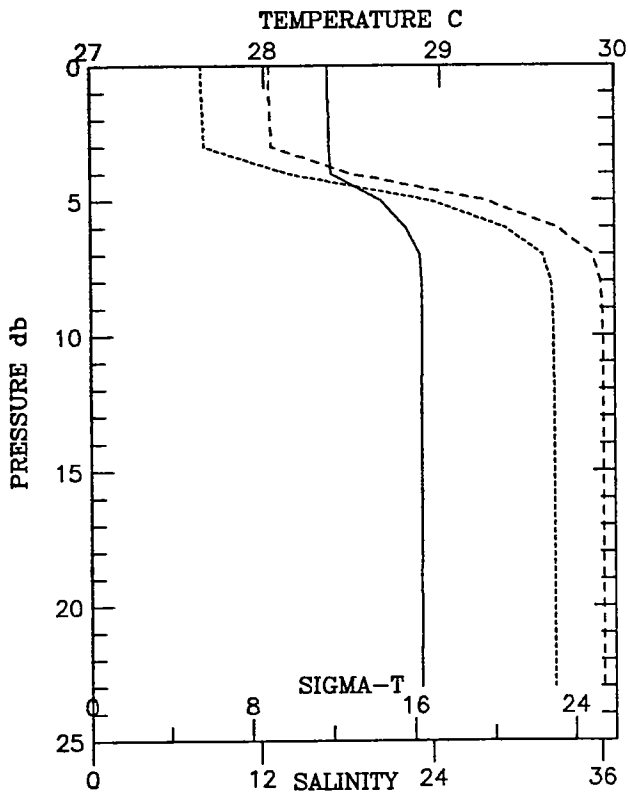
Cruise I9004 Leg 4 Station # 10 Depth m:35 Time: 1990-06-04 02:07
 Position: 2° 15.16'N 48° 45.08'W Depth Deck Offset: 0.00 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.399	23.345	13.534	0.0000	7.475	0.0	3.6
2.0		28.465	24.214	14.162	0.0272	7.634	0.0	3.2
4.0		28.549	27.289	16.435	0.0528	7.483	0.0	3.2
6.0		28.655	29.390	17.973	0.0738	6.789	0.0	3.2
8.0		28.898	34.395	21.646	0.0893	6.108	0.0	3.2
10.0		28.872	36.198	23.009	0.1000	5.986	0.0	3.5
12.0		28.857	36.249	23.052	0.1098	5.935	0.0	3.8
14.0		28.850	36.259	23.062	0.1195	5.985	0.0	4.0
16.0		28.844	36.264	23.068	0.1293	5.901	0.0	4.4
18.0		28.841	36.266	23.070	0.1390	5.914	0.0	4.4
20.0		28.840	36.267	23.071	0.1488	5.939	0.0	4.7
22.0		28.840	36.267	23.071	0.1585	5.881	0.0	4.7
24.0		28.840	36.266	23.071	0.1682	5.848	0.0	4.8
26.0		28.838	36.267	23.072	0.1780	5.825	0.0	4.9
28.0		28.838	36.268	23.073	0.1877	5.872	0.0	5.4
30.0		28.835	36.268	23.074	0.1974	5.892	0.0	6.8
31.0		28.834	36.269	23.075	0.2023	5.921	0.0	7.0



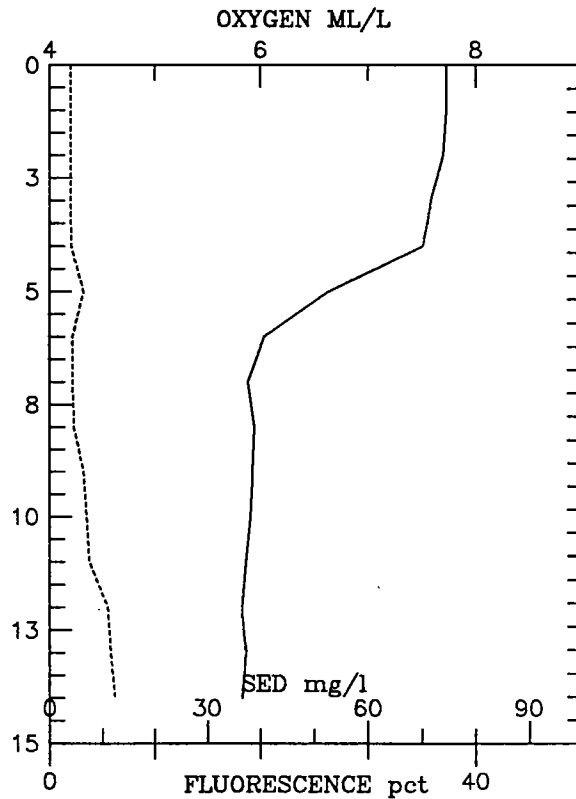
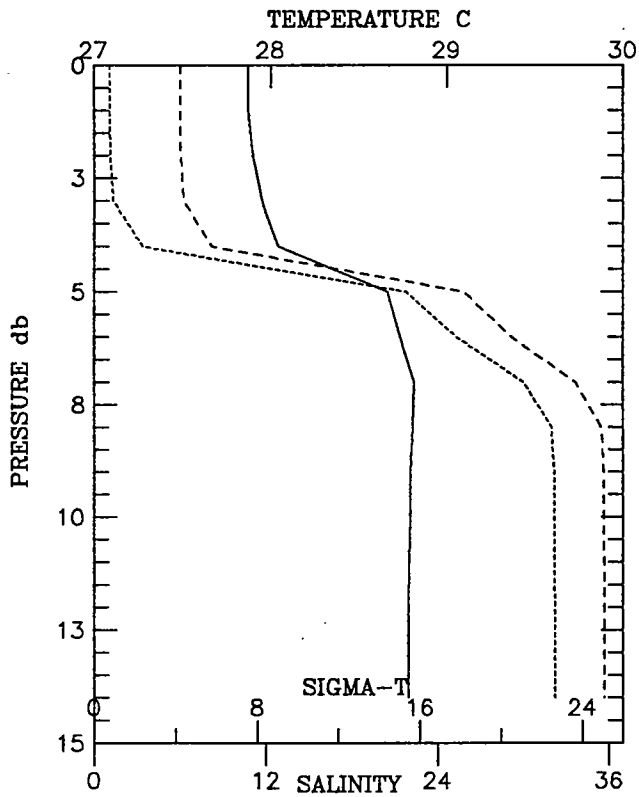
Cruise I9004 Leg 4 Station # 11 Depth m:26 Time: 1990-06-04 03:33
 Position: 2° 23.71'N 48° 57.82'W Depth Deck Offset: -0.13 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)	
0.0	E	28.361	12.687	5.598	0.0000	4.343	0.0	4.0
2.0		28.369	12.764	5.653	0.0475	7.772	0.0	3.6
4.0		28.379	18.457	9.892	0.0889	8.078	0.0	4.2
6.0		28.803	32.882	20.542	0.1122	6.334	0.0	4.3
8.0		28.893	35.988	22.844	0.1239	5.851	0.0	5.4
10.0		28.892	36.139	22.958	0.1339	5.962	0.0	5.6
12.0		28.889	36.158	22.973	0.1438	6.064	0.0	6.1
14.0		28.888	36.159	22.974	0.1537	6.107	0.0	6.3
16.0		28.887	36.163	22.978	0.1636	6.116	0.0	11.2
18.0		28.887	36.163	22.978	0.1735	6.138	0.0	13.6
20.0		28.887	36.164	22.978	0.1834	6.137	0.0	12.4
22.0		28.887	36.163	22.978	0.1933	6.105	0.0	18.9
23.0		28.886	36.163	22.978	0.1983	6.072	0.0	20.4



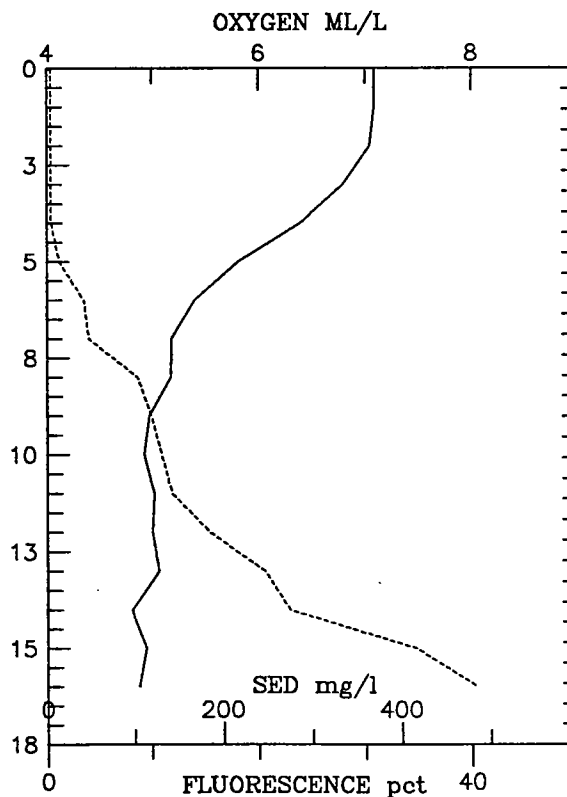
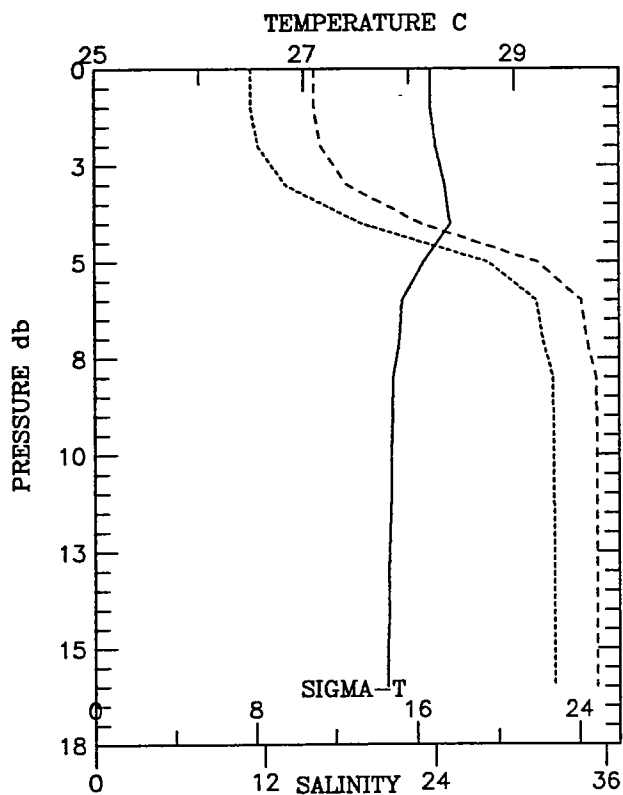
Cruise 19004 Leg 4 Station # 12 Depth m:19 Time: 1990-06-04 05:06
 Position: 2° 28.86'N 49° 15.15'W Depth Deck Offset: -0.13 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.875	6.009	0.767	0.0000	7.727	0.0	3.9
1.0	27.874	6.009	0.767	0.0266	7.728	0.0	3.9
2.0	27.899	6.047	0.788	0.0533	7.694	0.0	3.9
3.0	27.949	6.254	0.928	0.0798	7.584	0.0	3.9
4.0	28.042	8.227	2.372	0.1056	7.509	0.0	4.1
5.0	28.660	25.841	15.316	0.1242	6.637	0.0	6.4
6.0	28.732	29.180	17.791	0.1354	6.032	0.0	4.3
7.0	28.812	33.650	21.115	0.1437	5.884	0.0	4.3
8.0	28.806	35.452	22.470	0.1498	5.945	0.0	4.6
9.0	28.790	35.620	22.602	0.1551	5.926	0.0	6.4
10.0	28.790	35.621	22.603	0.1604	5.907	0.0	7.0
11.0	28.785	35.643	22.621	0.1657	5.866	0.0	7.5
12.0	28.780	35.658	22.634	0.1710	5.828	0.0	11.0
13.0	28.781	35.663	22.637	0.1763	5.864	0.0	11.6
14.0	28.779	35.665	22.639	0.1816	5.830	0.0	12.4



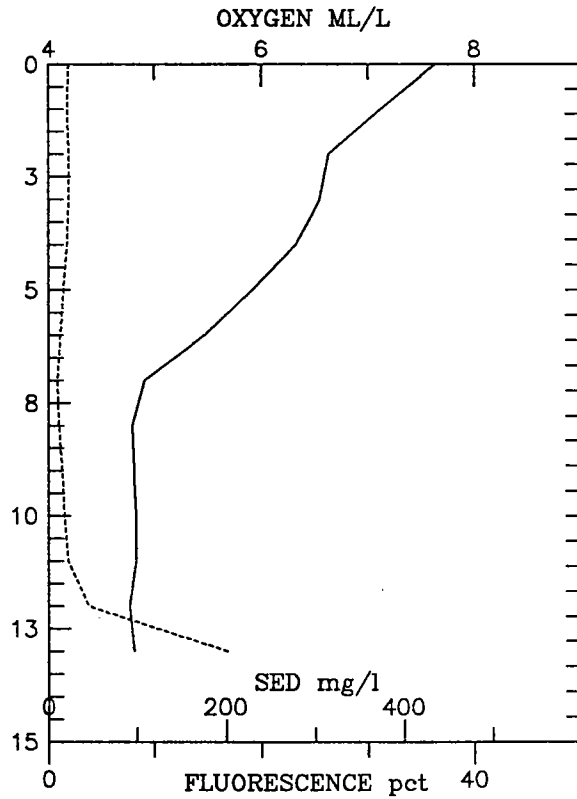
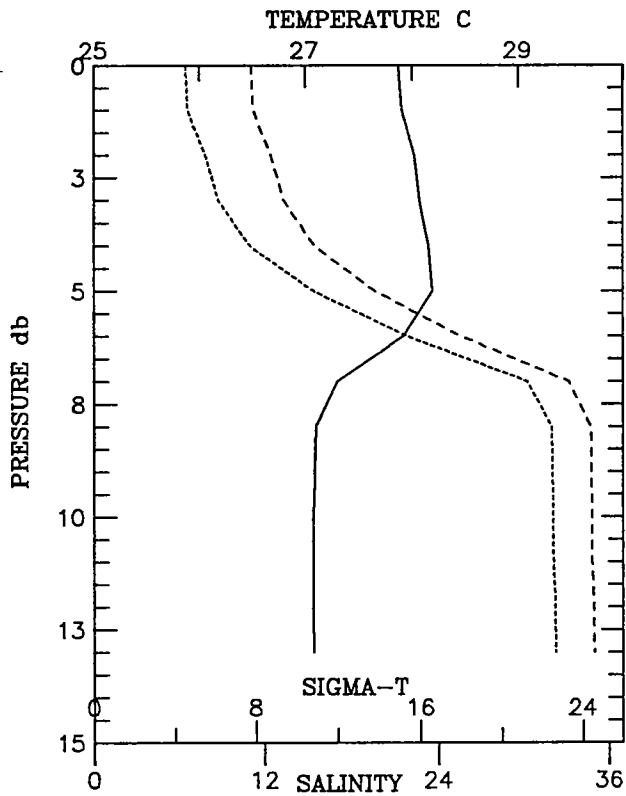
Cruise 19004 Leg 4 Station # 13 Depth m:19 Time: 1990-06-04 06:28
 Position: 2° 34.14'N 49° 31.33'W Depth Deck Offset: -0.13 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.207	15.562	7.787	0.0000	7.083	0.0	4.0
1.0		28.206	15.562	7.787	0.0197	7.084	0.0	4.0
2.0		28.255	16.067	8.149	0.0392	7.044	0.0	4.0
3.0		28.342	17.928	9.509	0.0578	6.788	0.0	4.1
4.0		28.395	23.067	13.328	0.0739	6.386	0.0	4.5
5.0		28.142	31.203	19.499	0.0852	5.808	0.0	13.6
6.0		27.933	34.305	21.896	0.0923	5.406	0.0	41.8
7.0		27.912	34.699	22.199	0.0982	5.187	0.0	47.3
8.0		27.851	35.347	22.706	0.1036	5.178	0.0	103.8
9.0		27.843	35.374	22.729	0.1088	4.973	0.0	119.3
10.0		27.835	35.390	22.744	0.1140	4.925	0.0	130.8
11.0		27.832	35.394	22.748	0.1192	5.022	0.0	142.9
12.0		27.817	35.408	22.763	0.1243	5.004	0.0	185.1
13.0		27.810	35.412	22.768	0.1295	5.062	0.0	246.3
14.0		27.807	35.412	22.769	0.1347	4.808	0.0	274.0
15.0		27.797	35.409	22.771	0.1398	4.946	0.0	415.8
16.0		27.795	35.406	22.769	0.1450	4.874	0.0	485.2



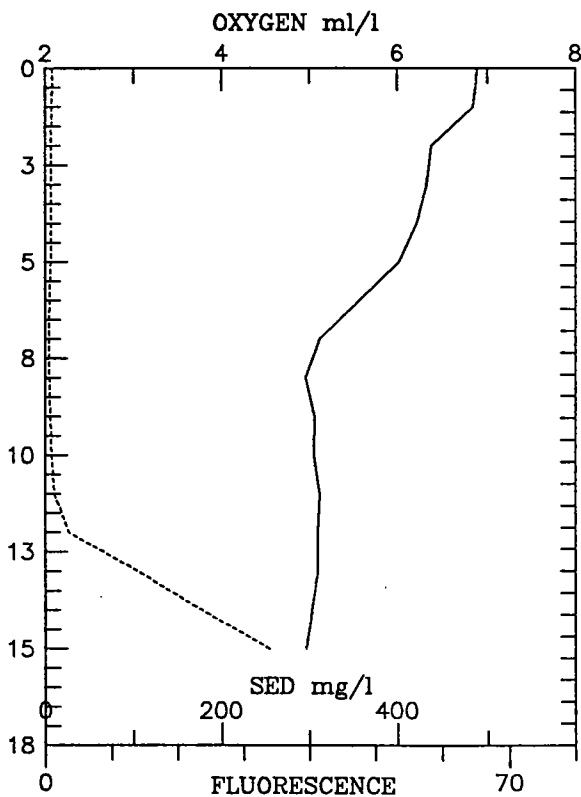
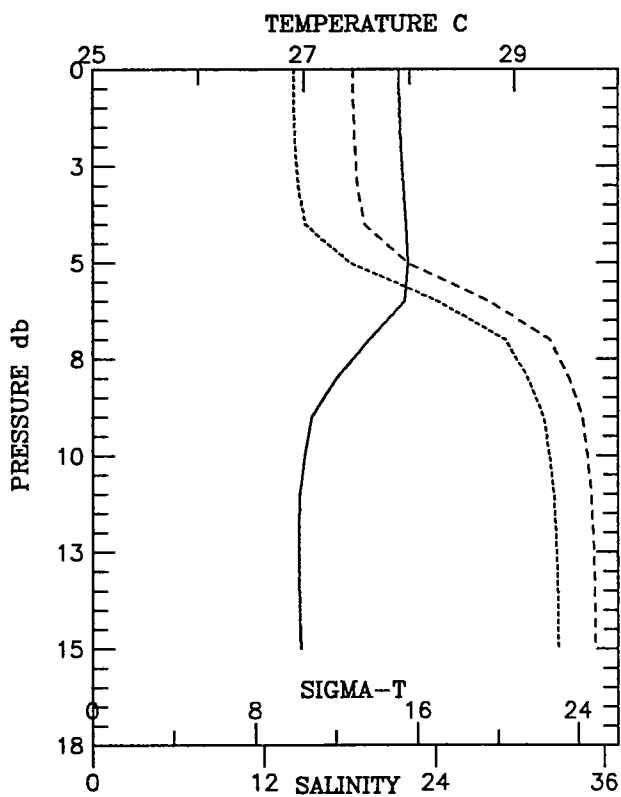
Cruise I9004 Leg 4 Station # 14 Depth m:17 Time: 1990-06-04 08:02
 Position: 2° 23.46'N 49° 45.07'W Depth Deck Offset: -0.13 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	27.877	11.074	4.542	0.0000	7.630	0.0	22.6
1.0	27.907	11.213	4.636	0.0228	7.119	0.0	21.2
2.0	28.021	12.428	5.508	0.0452	6.628	0.0	23.0
3.0	28.071	13.330	6.165	0.0668	6.541	0.0	23.0
4.0	28.150	15.437	7.711	0.0873	6.320	0.0	21.0
5.0	28.190	19.617	10.816	0.1055	5.910	0.0	16.9
6.0	27.915	25.559	15.342	0.1200	5.473	0.0	13.2
7.0	27.301	33.165	21.242	0.1295	4.905	0.0	9.7
8.0	27.100	34.693	22.457	0.1355	4.791	0.0	11.6
9.0	27.086	34.732	22.491	0.1409	4.807	0.0	15.5
10.0	27.076	34.768	22.521	0.1463	4.828	0.0	17.9
11.0	27.074	34.788	22.537	0.1517	4.826	0.0	22.3
12.0	27.076	34.898	22.619	0.1571	4.768	0.0	45.5
13.0	27.080	34.929	22.641	0.1623	4.807	0.0	202.3



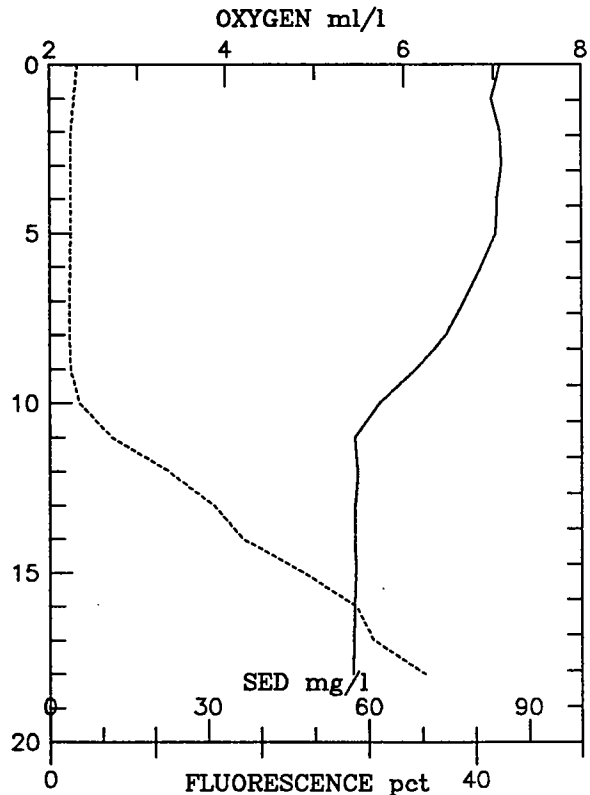
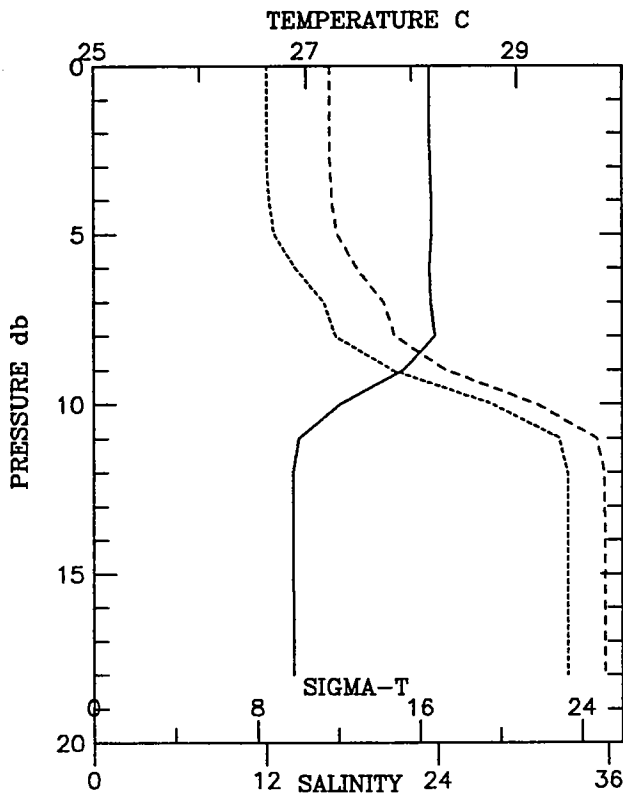
Cruise I9004 Leg 4 Station # 15 Depth m:18 Time: 1990-06-04 09:05
 Position: 2° 32.40'N 49° 46.43'W Depth Deck Offset: -0.13 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.901	18.266	9.897	0.0000	6.889	0.0	7.7
1.0	27.905	18.288	9.912	0.0176	6.846	0.0	7.1
2.0	27.920	18.391	9.985	0.0351	6.378	0.0	6.2
3.0	27.942	18.593	10.129	0.0526	6.325	0.0	6.2
4.0	27.965	19.071	10.478	0.0698	6.220	0.0	6.0
5.0	27.985	22.047	12.694	0.0858	6.023	0.0	5.8
6.0	27.954	27.807	17.013	0.0985	5.571	0.0	4.6
7.0	27.621	32.132	20.364	0.1076	5.115	0.0	4.0
8.0	27.310	33.494	21.487	0.1145	4.957	0.0	4.4
9.0	27.075	34.440	22.274	0.1205	5.058	0.0	5.4
10.0	27.009	34.803	22.569	0.1260	5.051	0.0	6.8
11.0	26.960	35.061	22.779	0.1312	5.121	0.0	9.9
12.0	26.954	35.197	22.883	0.1363	5.093	0.0	26.5
13.0	26.955	35.291	22.954	0.1413	5.093	0.0	105.1
14.0	26.962	35.342	22.989	0.1463	5.031	0.0	177.3
15.0	26.973	35.374	23.010	0.1512	4.965	0.0	254.4



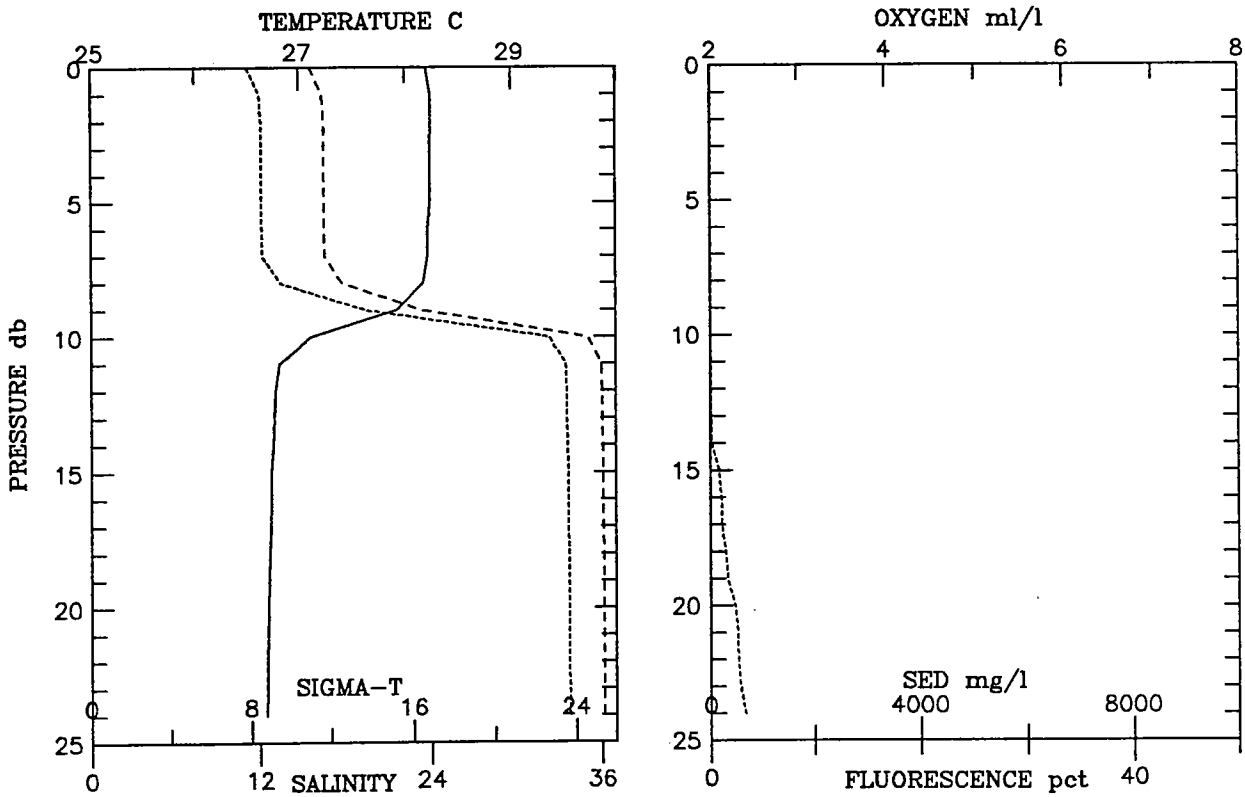
Cruise 19004 Leg 4 Station # 16 Depth m:21 Time: 1990-06-04 10:25
 Position: 2° 48.81'N 49° 50.09'W Depth Deck Offset: -0.13 Fish 3

PRESSURE (d-bars)	Interp (deg C)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	28.173	16.472	8.475	0.0000	7.075	0.0	5.2	
1.0	28.172	16.472	8.475	0.0190	6.984	0.0	4.6	
2.0	28.171	16.468	8.473	0.0380	7.078	0.0	4.0	
3.0	28.180	16.503	8.496	0.0570	7.090	0.0	4.0	
4.0	28.192	16.621	8.581	0.0759	7.041	0.0	4.0	
5.0	28.191	16.965	8.837	0.0947	7.023	0.0	3.9	
6.0	28.175	18.334	9.864	0.1128	6.854	0.0	3.8	
7.0	28.182	20.228	11.274	0.1298	6.670	0.0	3.7	
8.0	28.218	21.010	11.847	0.1458	6.463	0.0	3.7	
9.0	27.916	24.604	14.628	0.1601	6.129	0.0	3.9	
10.0	27.325	30.978	19.591	0.1707	5.723	0.0	5.6	
11.0	26.929	35.185	22.882	0.1773	5.442	0.0	11.7	
12.0	26.873	35.707	23.293	0.1822	5.475	0.0	22.5	
13.0	26.874	35.732	23.311	0.1868	5.446	0.0	31.0	
14.0	26.877	35.734	23.312	0.1914	5.443	0.0	36.6	
15.0	26.877	35.738	23.315	0.1961	5.450	0.0	47.9	
16.0	26.877	35.740	23.316	0.2007	5.436	0.0	57.6	
17.0	26.878	35.740	23.316	0.2053	5.427	0.0	60.9	
18.0	26.882	35.739	23.314	0.2100	5.422	0.0	70.5	



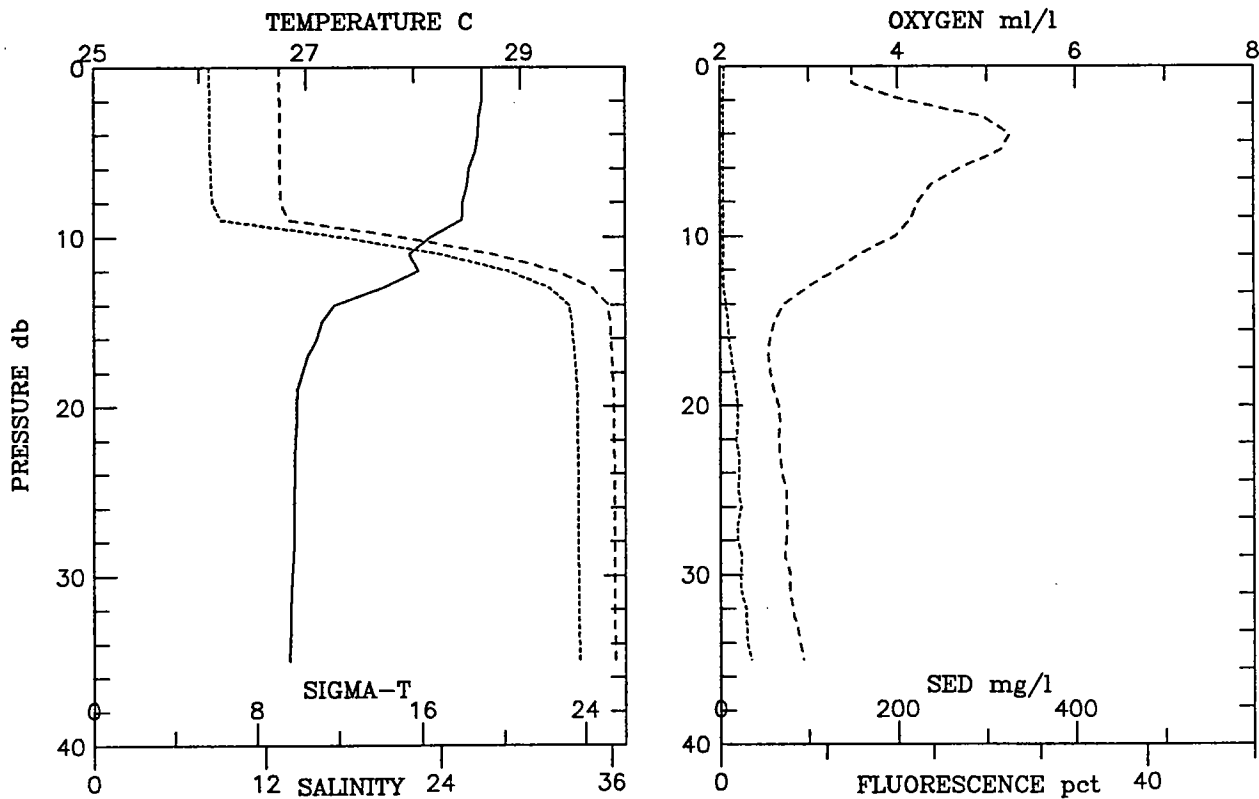
Cruise 19004 Leg 4 Station # 17 Depth m:27 Time: 1990-06-04 11:56
 Position: 3° 5.08'N 49° 52.65'W Depth Deck Offset: 0.12 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.203	15.633	7.841	0.0000	0.000	0.0	3.0
2.0		28.242	16.579	8.535	0.0383	0.000	0.0	3.0
4.0		28.239	16.590	8.544	0.0762	0.000	0.0	3.0
6.0		28.215	16.607	8.563	0.1140	0.000	0.0	3.0
8.0		28.169	17.849	9.503	0.1514	0.000	0.0	3.0
10.0		27.108	35.027	22.706	0.1768	0.000	0.0	5.2
12.0		26.777	36.006	23.549	0.1861	0.000	0.0	10.8
14.0		26.751	36.051	23.591	0.1949	0.000	0.0	25.2
16.0		26.735	36.079	23.617	0.2036	0.000	0.0	204.7
18.0		26.718	36.103	23.641	0.2122	0.000	0.0	283.4
20.0		26.701	36.122	23.661	0.2209	0.000	0.0	464.4
22.0		26.693	36.129	23.669	0.2295	0.000	0.0	524.3
24.0		26.688	36.133	23.673	0.2381	0.000	0.0	662.1



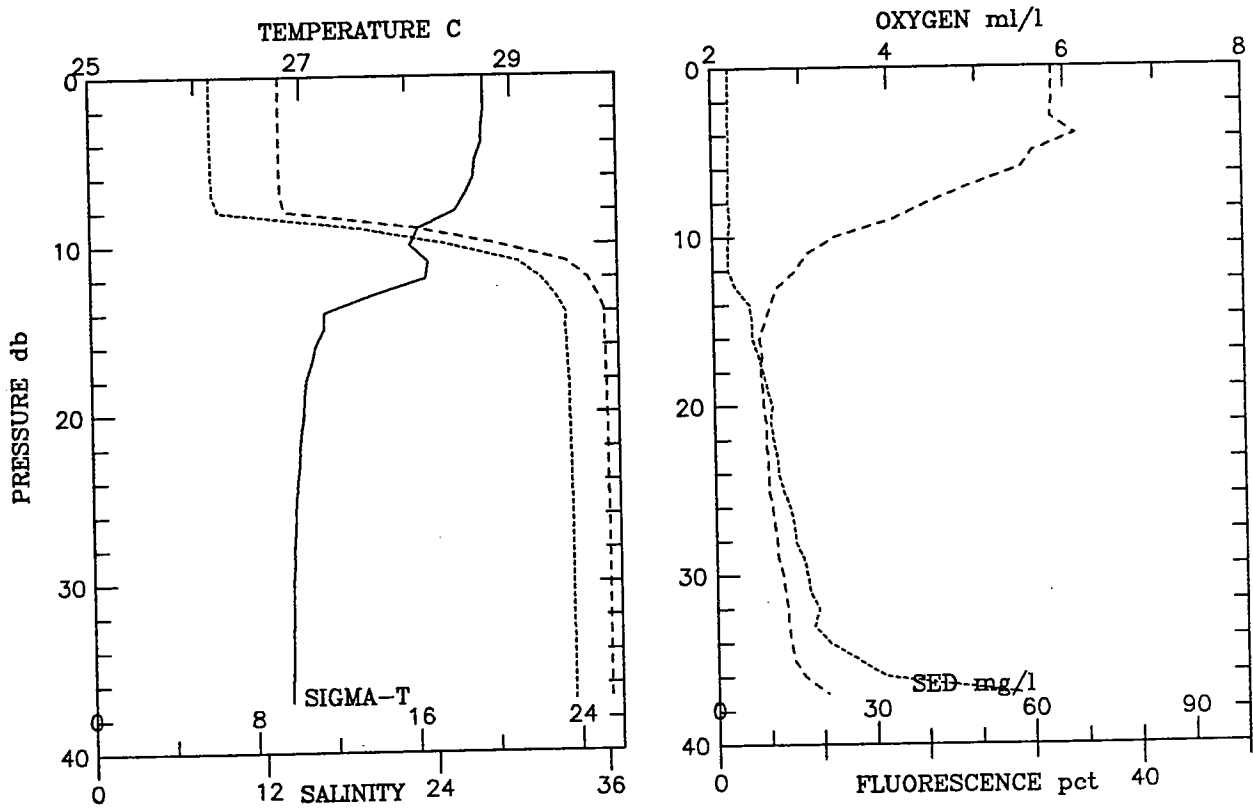
Cruise I9004 Leg 4 Station # 18.01 Depth m:38 Time: 1990-06-04 14:04
 Position: 3° 20.02'N 50° 0.24'W Depth Deck Offset: 0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.639	12.964	5.720	0.0000	0.000	12.4	3.6
2.0		28.638	12.987	5.737	0.0468	0.000	17.2	3.2
4.0		28.601	12.991	5.752	0.0902	0.000	27.2	3.2
6.0		28.515	13.009	5.791	0.1335	0.000	22.6	3.1
8.0		28.458	13.096	5.873	0.1767	0.000	18.6	3.1
10.0		28.155	21.504	12.236	0.2163	0.000	16.5	3.3
12.0		28.043	32.119	20.218	0.2385	0.000	10.9	2.8
14.0		27.261	35.769	23.216	0.2503	0.000	6.0	6.3
16.0		27.099	35.949	23.403	0.2596	0.000	4.7	9.3
18.0		26.965	36.084	23.548	0.2685	0.000	4.7	14.5
20.0		26.912	36.143	23.609	0.2772	0.000	5.5	19.3
22.0		26.899	36.163	23.628	0.2859	0.000	5.5	17.8
24.0		26.891	36.177	23.642	0.2946	0.000	5.8	21.0
26.0		26.884	36.192	23.655	0.3032	0.000	6.2	23.2
28.0		26.884	36.192	23.655	0.3118	0.000	6.2	19.6
30.0		26.867	36.215	23.678	0.3204	0.000	6.6	22.5
32.0		26.856	36.227	23.690	0.3290	0.000	6.8	28.5
34.0		26.847	36.236	23.700	0.3376	0.000	7.5	30.0
35.0		26.842	36.240	23.705	0.3419	0.000	7.8	34.8



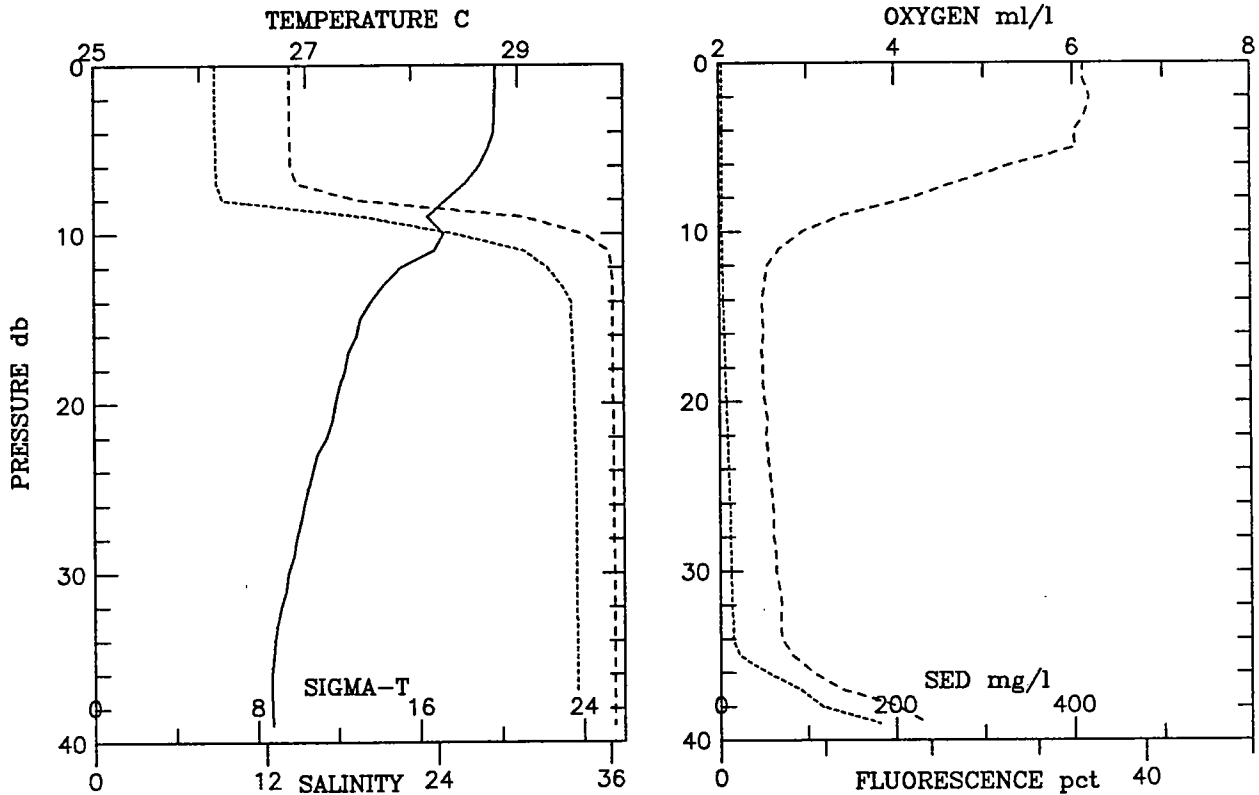
Cruise 19004 Leg 4 Station # 18.02 Depth m:38 Time: 1990-06-04 15:04
 Position: 3° 20.02'N 50° 0.03'W Depth Deck Offset: 0.25 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.746	13.334	5.962	0.0000	0.000	32.2	3.2
2.0	28.746	13.334	5.963	0.0429	0.000	32.2	3.2
4.0	28.723	13.336	5.971	0.0859	0.000	34.4	3.2
6.0	28.643	13.343	6.001	0.1288	0.000	29.2	3.1
8.0	28.471	13.700	6.319	0.1715	0.000	20.5	3.0
10.0	28.031	28.790	17.725	0.2013	0.000	11.6	3.0
12.0	28.179	34.873	22.243	0.2158	0.000	7.8	2.9
14.0	27.216	36.021	23.420	0.2259	0.000	5.4	6.8
16.0	27.123	36.046	23.469	0.2350	0.000	4.3	7.3
18.0	27.033	36.102	23.539	0.2439	0.000	4.4	9.2
20.0	27.008	36.132	23.570	0.2527	0.000	4.6	10.8
22.0	26.965	36.155	23.601	0.2614	0.000	4.8	11.0
24.0	26.939	36.172	23.622	0.2701	0.000	5.0	11.9
26.0	26.919	36.184	23.638	0.2788	0.000	5.3	14.0
28.0	26.900	36.194	23.651	0.2875	0.000	5.7	14.9
30.0	26.889	36.205	23.663	0.2961	0.000	6.2	17.1
32.0	26.886	36.209	23.667	0.3047	0.000	6.6	19.2
34.0	26.882	36.215	23.673	0.3133	0.000	6.9	21.2
36.0	26.871	36.226	23.685	0.3219	0.000	8.2	31.7
37.0	26.869	36.230	23.688	0.3262	0.000	10.4	57.9



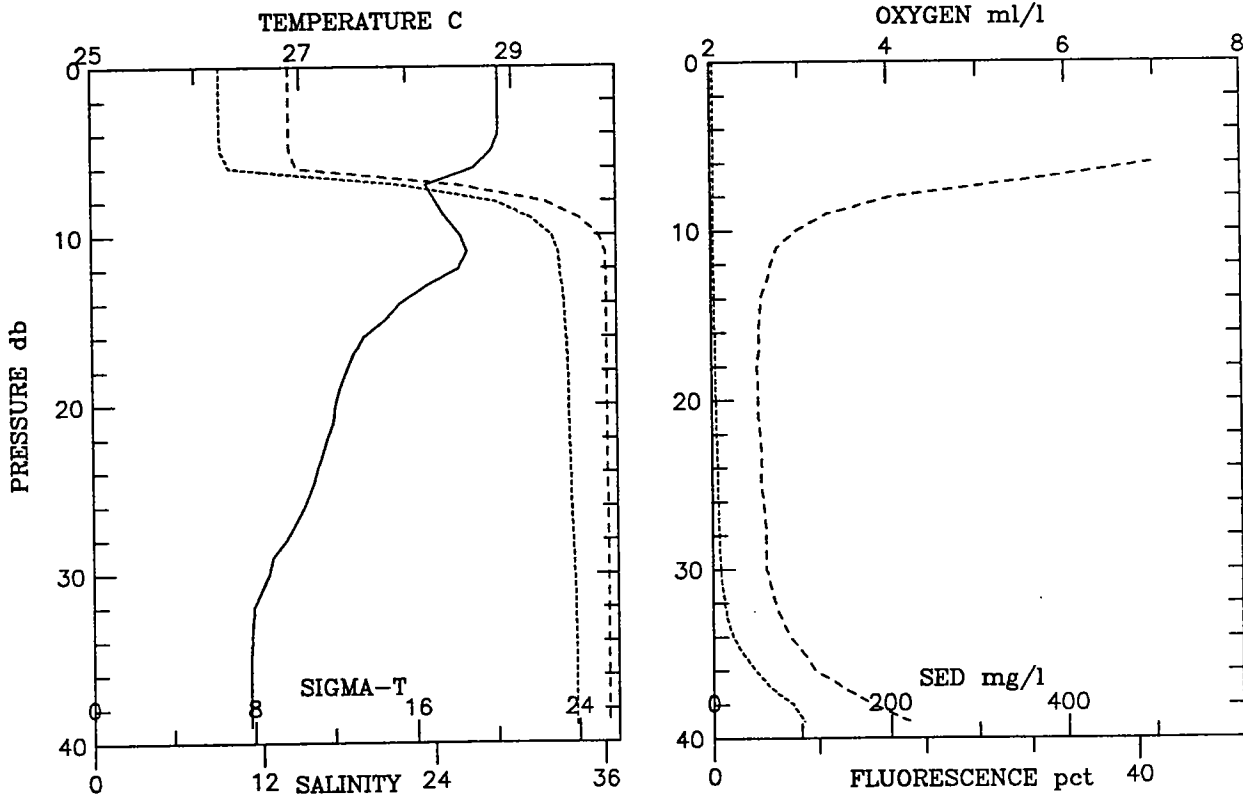
Cruise I9004 Leg 4 Station # 18.03 Depth m:42 Time: 1990-06-04 16:03
 Position: 3° 19.97'N 50° 0.03'W Depth Deck Offset: 0.25 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.794	13.706	6.225	0.0000	0.000	34.3	3.2
2.0		28.793	13.705	6.224	0.0424	0.000	34.9	3.2
4.0		28.777	13.708	6.231	0.0849	0.000	33.5	3.2
6.0		28.639	13.750	6.305	0.1272	0.000	27.8	3.1
8.0		28.330	18.424	9.883	0.1674	0.000	18.2	3.1
10.0		28.303	34.136	21.648	0.1885	0.000	7.9	2.9
12.0		27.900	36.171	23.310	0.1988	0.000	4.5	3.4
14.0		27.614	36.192	23.420	0.2080	0.000	4.0	4.2
16.0		27.479	36.194	23.465	0.2170	0.000	4.2	5.2
18.0		27.369	36.207	23.511	0.2259	0.000	4.1	6.2
20.0		27.278	36.233	23.560	0.2348	0.000	4.3	7.4
22.0		27.194	36.234	23.587	0.2435	0.000	4.4	8.6
24.0		27.064	36.250	23.641	0.2522	0.000	4.7	9.6
26.0		26.979	36.261	23.677	0.2608	0.000	5.0	11.1
28.0		26.906	36.268	23.705	0.2694	0.000	5.1	11.2
30.0		26.825	36.276	23.737	0.2779	0.000	5.3	11.7
32.0		26.760	36.279	23.760	0.2864	0.000	5.8	12.6
34.0		26.700	36.290	23.788	0.2948	0.000	5.8	13.8
36.0		26.666	36.291	23.799	0.3031	0.000	8.9	53.4
38.0		26.676	36.288	23.794	0.3115	0.000	16.9	116.4
39.0		26.679	36.286	23.792	0.3157	0.000	19.6	182.2



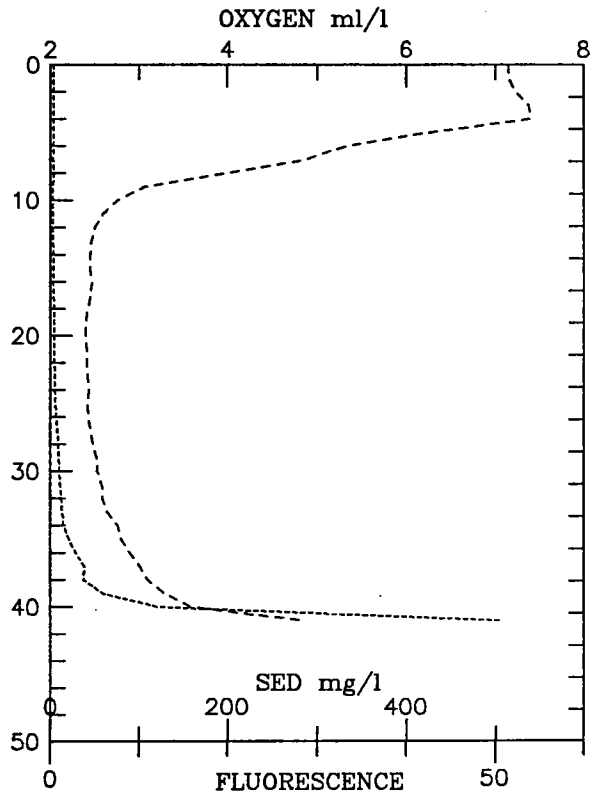
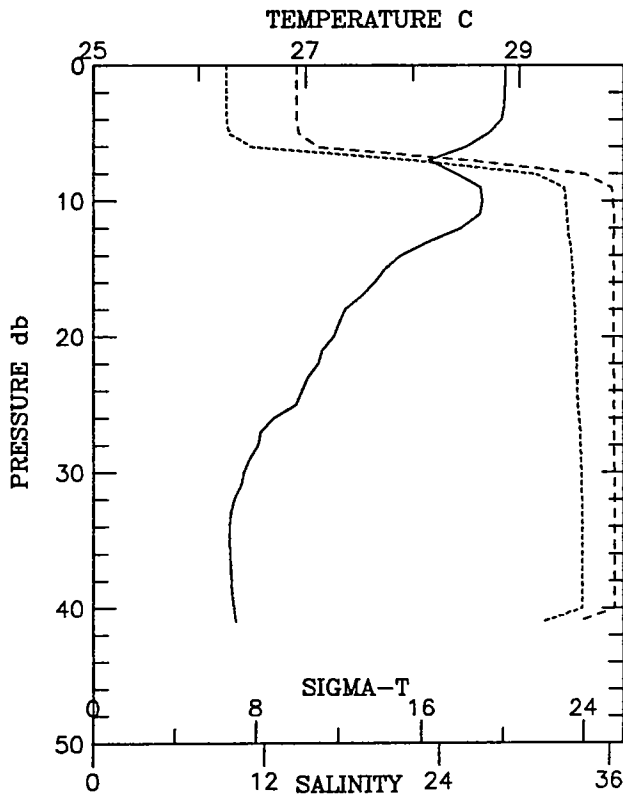
Cruise 19004 Leg 4 Station # 18.04 Depth m:41 Time: 1990-06-04 17:05
 Position: 3° 19.97'N 50° 0.03'W Depth Deck Offset: 0.25 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.876	14.037	6.446	0.0000	0.000	53.8	3.1
2.0	E	28.875	14.036	6.445	0.0420	0.000	53.8	3.1
4.0		28.875	14.036	6.445	0.0840	0.000	53.8	3.1
6.0		28.637	14.583	6.926	0.1257	0.000	41.5	3.0
8.0		28.275	31.901	19.979	0.1522	0.000	17.2	2.9
10.0		28.510	35.723	22.773	0.1648	0.000	8.1	2.8
12.0		28.485	36.229	23.161	0.1745	0.000	5.7	2.8
14.0		27.934	36.253	23.361	0.1839	0.000	4.7	3.1
16.0		27.589	36.262	23.480	0.1930	0.000	4.5	3.6
18.0		27.426	36.263	23.534	0.2019	0.000	4.3	4.1
20.0		27.324	36.263	23.567	0.2107	0.000	4.4	4.5
22.0		27.243	36.264	23.594	0.2194	0.000	4.6	5.0
24.0		27.144	36.270	23.630	0.2281	0.000	4.7	5.9
26.0		27.026	36.279	23.675	0.2368	0.000	4.9	6.7
28.0		26.853	36.285	23.735	0.2453	0.000	5.1	7.5
30.0		26.677	36.287	23.793	0.2537	0.000	5.1	9.0
32.0		26.533	36.309	23.855	0.2620	0.000	5.9	13.1
34.0		26.514	36.309	23.861	0.2702	0.000	7.3	22.6
36.0		26.504	36.309	23.865	0.2785	0.000	9.6	47.8
38.0		26.504	36.307	23.863	0.2867	0.000	14.9	90.1
39.0		26.507	36.305	23.861	0.2908	0.000	18.4	102.8



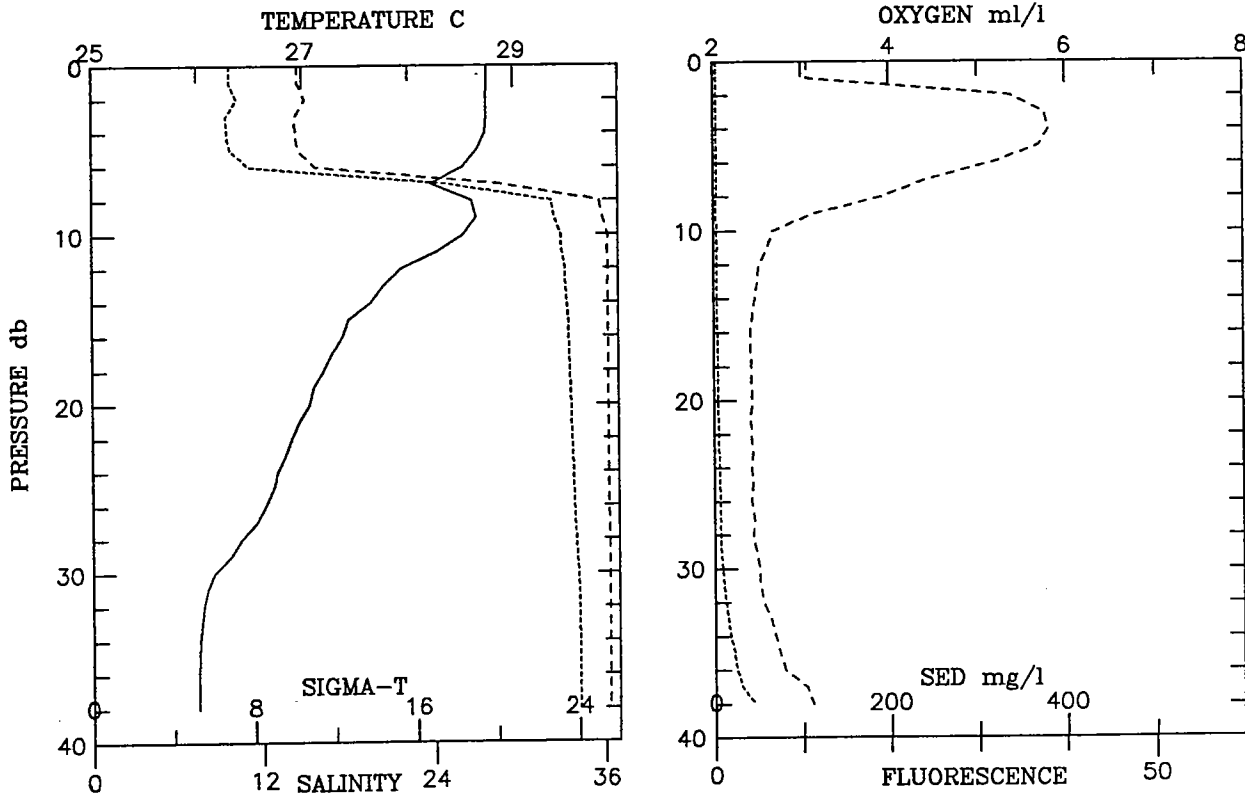
Cruise I9004 Leg 4 Station # 18.05 Depth m:42 Time: 1990-06-04 18:03
 Position: 3° 20.05'N 50° 0.21'W Depth Deck Offset: 0.25 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.871	14.181	6.555	0.0000	0.000	51.5	3.1
2.0	28.864	14.182	6.557	0.0418	0.000	52.3	3.1
4.0	28.831	14.195	6.577	0.0835	0.000	53.9	3.0
6.0	28.497	15.650	7.763	0.1246	0.000	33.2	3.0
8.0	28.410	34.159	21.630	0.1495	0.000	20.0	3.7
10.0	28.649	36.224	23.103	0.1600	0.000	7.6	2.9
12.0	28.442	36.272	23.208	0.1695	0.000	5.0	2.8
14.0	27.883	36.269	23.390	0.1788	0.000	4.5	3.1
16.0	27.638	36.268	23.469	0.1879	0.000	4.7	3.3
18.0	27.366	36.261	23.552	0.1968	0.000	4.2	3.8
20.0	27.262	36.267	23.590	0.2055	0.000	4.0	4.0
22.0	27.116	36.265	23.636	0.2142	0.000	4.1	4.4
24.0	26.967	36.276	23.692	0.2228	0.000	4.3	5.1
26.0	26.707	36.281	23.779	0.2313	0.000	4.3	6.5
28.0	26.556	36.300	23.841	0.2396	0.000	4.8	8.3
30.0	26.424	36.314	23.894	0.2478	0.000	5.3	9.8
32.0	26.332	36.316	23.924	0.2560	0.000	5.9	12.0
34.0	26.291	36.323	23.943	0.2641	0.000	7.6	14.9
36.0	26.299	36.322	23.939	0.2722	0.000	9.0	28.6
38.0	26.311	36.323	23.936	0.2803	0.000	11.0	37.3
40.0	26.335	36.313	23.921	0.2884	0.000	15.9	122.3
41.0	26.353	33.789	22.012	0.2934	0.000	28.5	506.2



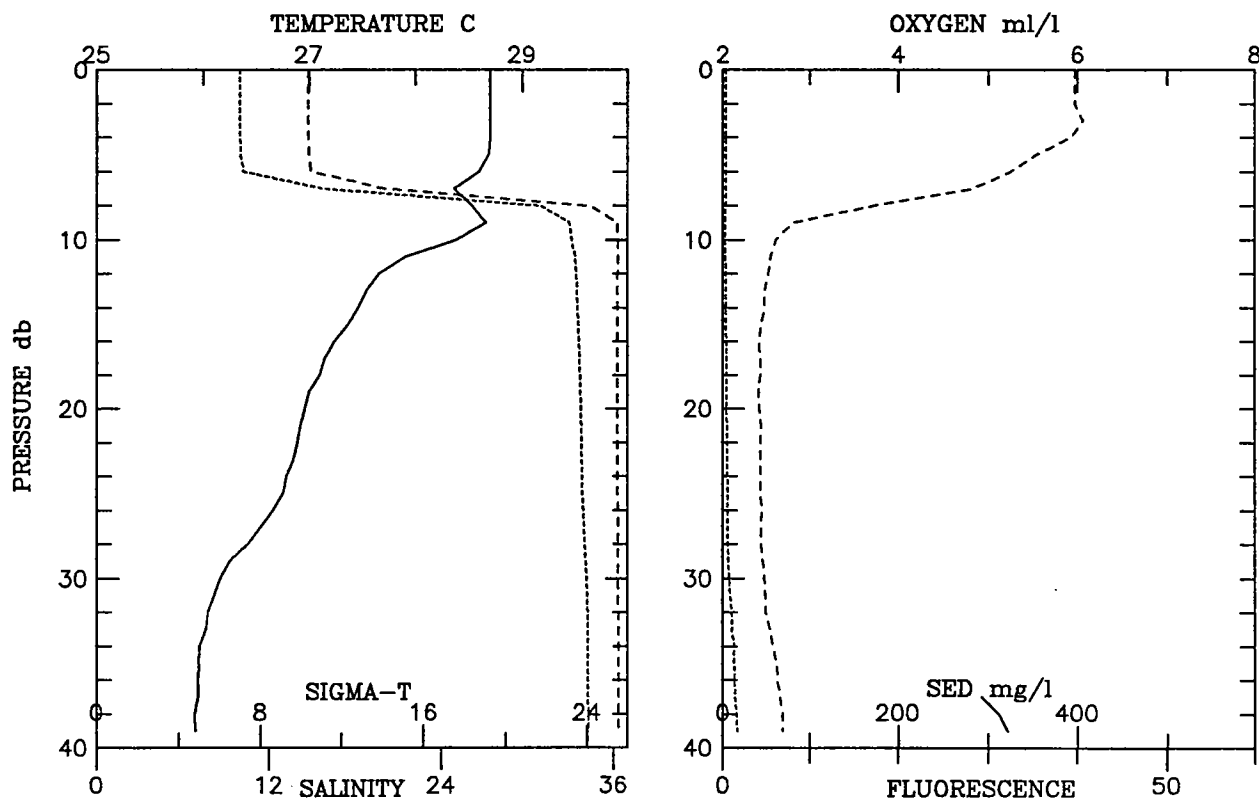
Cruise 19004 Leg 4 Station # 18.06 Depth m:41 Time: 1990-06-04 19:04
 Position: 3° 20.05'N 50° 0.21'W Depth Deck Offset: 0.23 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.753	14.508	6.834	0.0000	0.000	10.7	3.3
2.0		28.748	15.020	7.218	0.0410	0.000	33.7	3.0
4.0		28.735	14.341	6.716	0.0823	0.000	38.2	3.0
6.0		28.523	15.752	7.832	0.1230	0.000	31.8	3.0
8.0		28.611	35.660	22.691	0.1457	0.000	19.2	2.9
10.0		28.524	36.243	23.159	0.1558	0.000	6.7	3.0
12.0		27.928	36.252	23.362	0.1652	0.000	5.1	3.0
14.0		27.636	36.244	23.452	0.1743	0.000	4.6	3.3
16.0		27.377	36.229	23.524	0.1832	0.000	4.1	3.6
18.0		27.195	36.239	23.591	0.1920	0.000	4.2	3.9
20.0		27.060	36.245	23.638	0.2007	0.000	4.3	4.2
22.0		26.894	36.249	23.695	0.2093	0.000	4.2	4.8
24.0		26.753	36.258	23.747	0.2178	0.000	4.2	5.5
26.0		26.641	36.267	23.789	0.2262	0.000	4.2	5.9
28.0		26.415	36.282	23.872	0.2345	0.000	4.3	6.4
30.0		26.154	36.297	23.966	0.2426	0.000	5.0	8.4
32.0		26.050	36.303	24.003	0.2506	0.000	5.5	11.8
34.0		26.016	36.302	24.013	0.2586	0.000	6.8	16.8
36.0		25.999	36.304	24.020	0.2665	0.000	7.9	24.0
38.0		26.000	36.305	24.020	0.2745	0.000	11.1	44.6



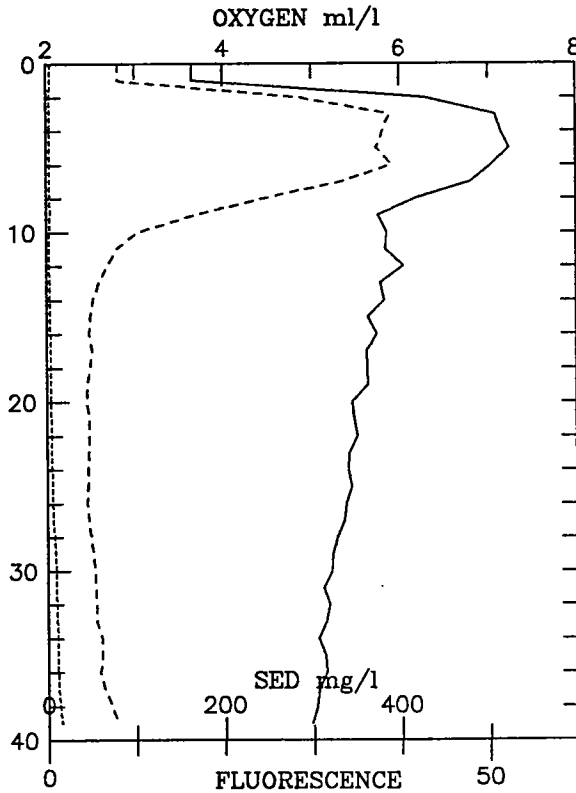
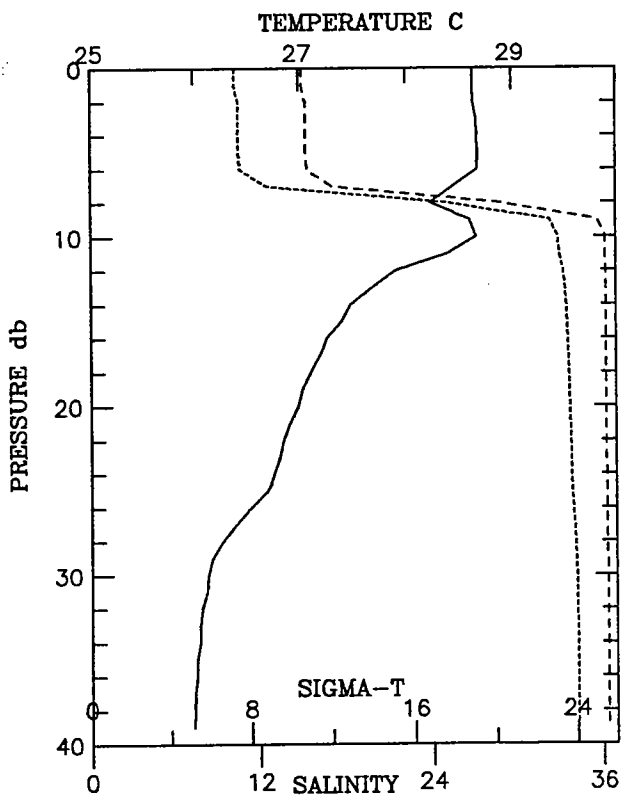
Cruise I9004 Leg 4 Station # 18.07 Depth m:41 Time: 1990-06-04 20:05
 Position: 3° 0.00'N 50° 0.00'W Depth Deck Offset: 0.33 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.698	14.728	7.015	0.0000	0.000	39.7	3.0
2.0		28.698	14.728	7.015	0.0409	0.000	39.7	3.0
4.0		28.700	14.728	7.015	0.0818	0.000	39.2	3.0
6.0		28.595	14.923	7.192	0.1225	0.000	32.5	3.0
8.0		28.530	34.355	21.738	0.1521	0.000	17.3	2.9
10.0		28.382	36.271	23.227	0.1624	0.000	6.1	2.8
12.0		27.655	36.270	23.465	0.1715	0.000	5.2	3.0
14.0		27.466	36.261	23.520	0.1804	0.000	4.8	3.3
16.0		27.236	36.260	23.594	0.1892	0.000	4.2	3.7
18.0		27.097	36.253	23.633	0.1979	0.000	4.3	3.9
20.0		26.960	36.260	23.682	0.2065	0.000	4.2	4.4
22.0		26.888	36.265	23.709	0.2151	0.000	4.3	4.6
24.0		26.783	36.267	23.744	0.2236	0.000	4.3	5.1
26.0		26.654	36.279	23.794	0.2320	0.000	4.5	5.5
28.0		26.423	36.288	23.875	0.2403	0.000	4.4	5.7
30.0		26.160	36.304	23.969	0.2484	0.000	4.8	7.1
32.0		26.042	36.312	24.012	0.2564	0.000	4.9	10.1
34.0		25.966	36.316	24.039	0.2643	0.000	5.8	12.7
36.0		25.953	36.313	24.041	0.2722	0.000	6.3	13.6
38.0		25.925	36.316	24.052	0.2801	5.123	6.9	16.0
39.0		25.928	36.316	24.051	0.2840	5.223	6.9	16.7



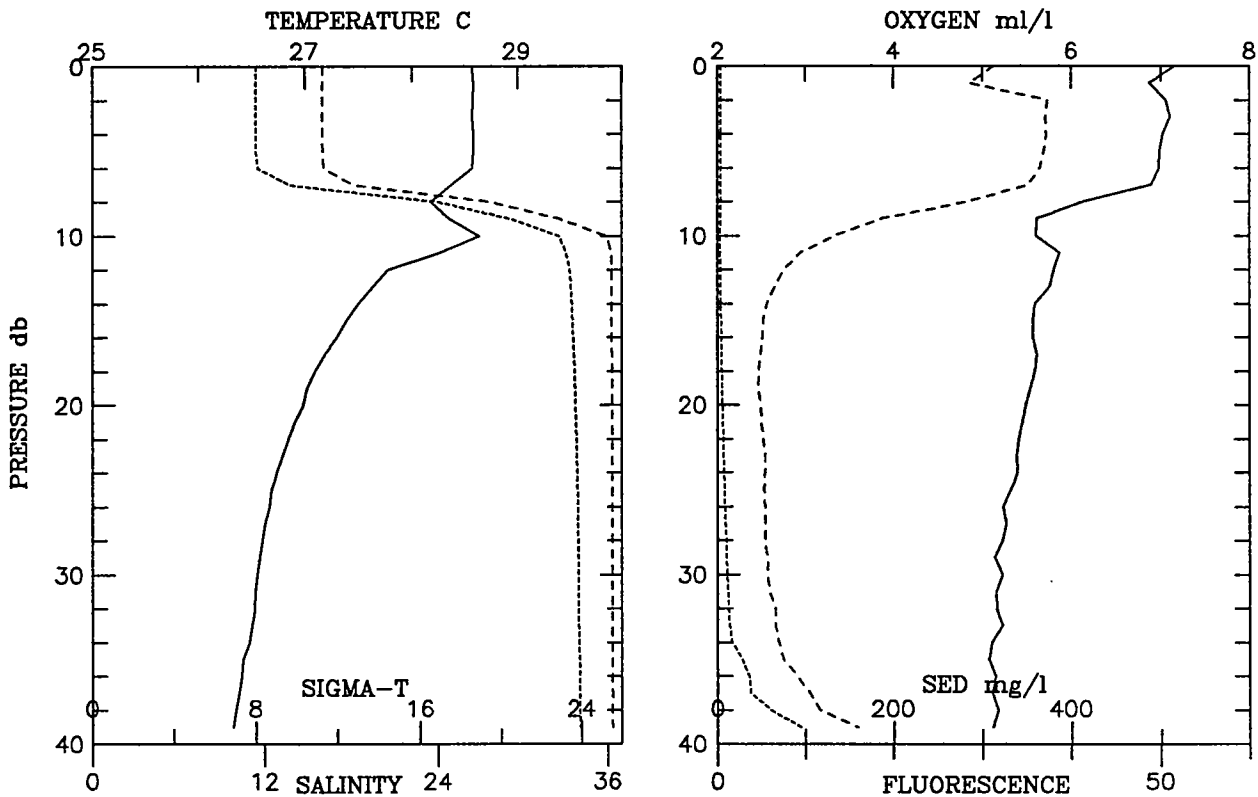
Cruise 19004 Leg 4 Station # 18.08 Depth m:42 Time: 1990-06-04 21:05
 Position: 3° 20.07'N 50° 0.20'W Depth Deck Offset: 0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.632	15.040	7.268	0.0000	3.659	8.1	4.1
2.0		28.641	15.277	7.441	0.0403	6.286	28.6	3.1
4.0		28.677	15.316	7.459	0.0803	7.151	38.1	3.0
6.0		28.674	15.394	7.518	0.1203	7.036	39.1	3.0
8.0		28.233	28.775	17.649	0.1539	6.190	24.5	3.5
10.0		28.664	36.217	23.093	0.1666	5.854	10.3	2.9
12.0		27.907	36.236	23.357	0.1761	6.038	6.8	2.9
14.0		27.480	36.257	23.512	0.1851	5.820	5.2	3.2
16.0		27.256	36.261	23.588	0.1939	5.736	4.8	3.6
18.0		27.106	36.253	23.630	0.2026	5.625	4.9	4.0
20.0		26.988	36.263	23.675	0.2112	5.450	4.5	4.3
22.0		26.851	36.269	23.724	0.2197	5.513	4.8	4.7
24.0		26.761	36.274	23.756	0.2282	5.405	4.6	5.1
26.0		26.534	36.286	23.838	0.2366	5.380	4.5	5.7
28.0		26.268	36.299	23.931	0.2448	5.279	4.9	7.6
30.0		26.127	36.313	23.986	0.2528	5.217	5.3	9.1
32.0		26.067	36.317	24.008	0.2608	5.180	5.5	9.6
34.0		26.051	36.317	24.013	0.2687	5.056	6.1	10.4
36.0		26.018	36.318	24.024	0.2767	5.148	5.9	11.0
38.0		25.992	36.319	24.033	0.2846	5.037	7.2	12.9
39.0		25.989	36.318	24.033	0.2885	4.982	7.8	15.3



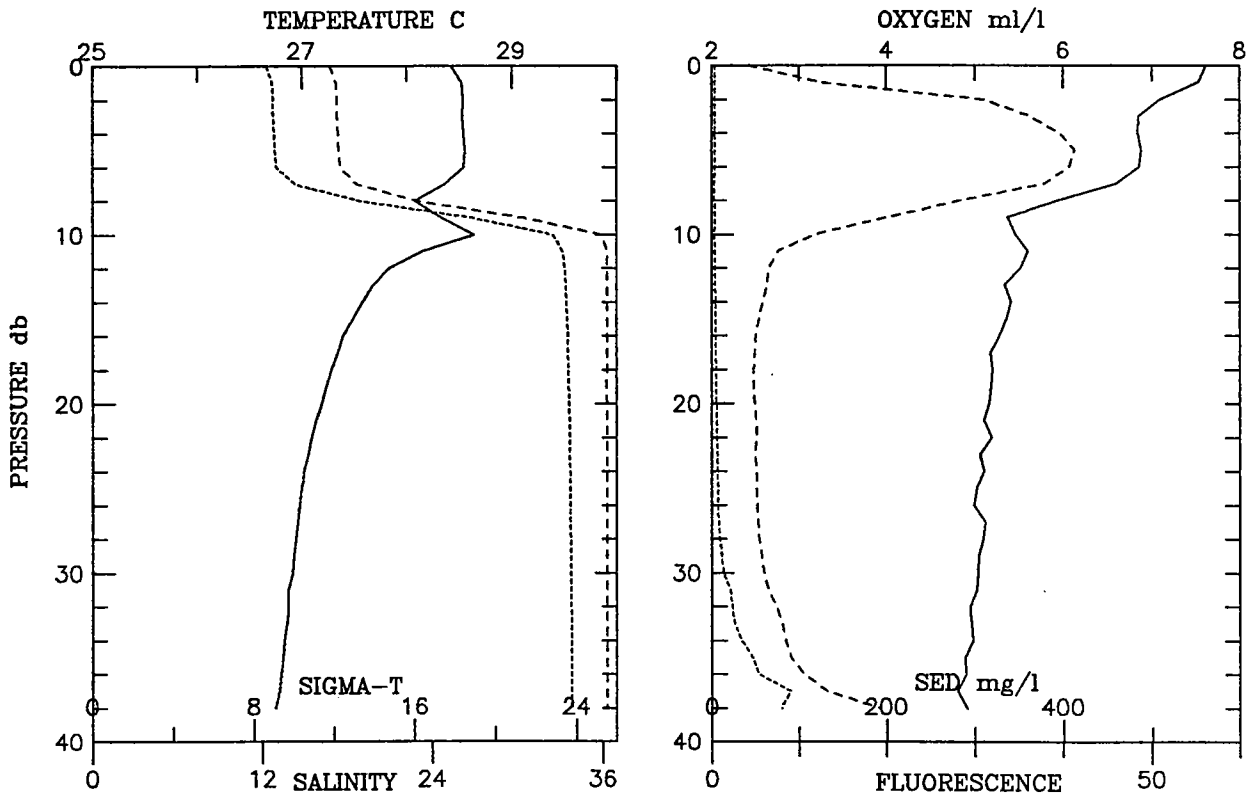
Cruise I9004 Leg 4 Station # 18.09 Depth m:41 Time: 1990-06-04 22:07
 Position: 3° 20.14'N 50° 0.16'W Depth Deck Offset: -0.13 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	28.572	16.022	8.018	0.0000	7.155	31.3	3.2
2.0	28.580	16.033	8.023	0.0389	7.057	37.3	3.1
4.0	28.582	16.032	8.022	0.0778	7.023	37.2	3.0
6.0	28.574	16.129	8.097	0.1166	6.980	36.5	3.0
8.0	28.177	27.745	16.895	0.1495	6.137	28.3	3.6
10.0	28.637	35.940	22.893	0.1648	5.606	13.4	2.9
12.0	27.780	36.256	23.414	0.1743	5.798	7.6	3.1
14.0	27.501	36.268	23.514	0.1832	5.592	5.6	3.4
16.0	27.302	36.265	23.576	0.1921	5.567	5.1	3.8
18.0	27.090	36.271	23.648	0.2007	5.593	4.7	4.5
20.0	26.984	36.275	23.685	0.2093	5.487	4.9	5.1
22.0	26.846	36.281	23.734	0.2178	5.413	5.2	6.2
24.0	26.732	36.285	23.774	0.2263	5.394	5.4	7.1
26.0	26.666	36.290	23.799	0.2346	5.233	5.4	8.0
28.0	26.602	36.295	23.823	0.2430	5.224	5.4	9.7
30.0	26.551	36.299	23.842	0.2513	5.226	5.7	10.8
32.0	26.527	36.302	23.852	0.2595	5.163	6.6	12.2
34.0	26.478	36.305	23.870	0.2678	5.105	7.0	16.3
36.0	26.408	36.309	23.895	0.2759	5.149	9.1	35.7
38.0	26.354	36.310	23.913	0.2841	5.179	11.7	61.0
39.0	26.328	36.311	23.922	0.2882	5.116	16.0	94.8



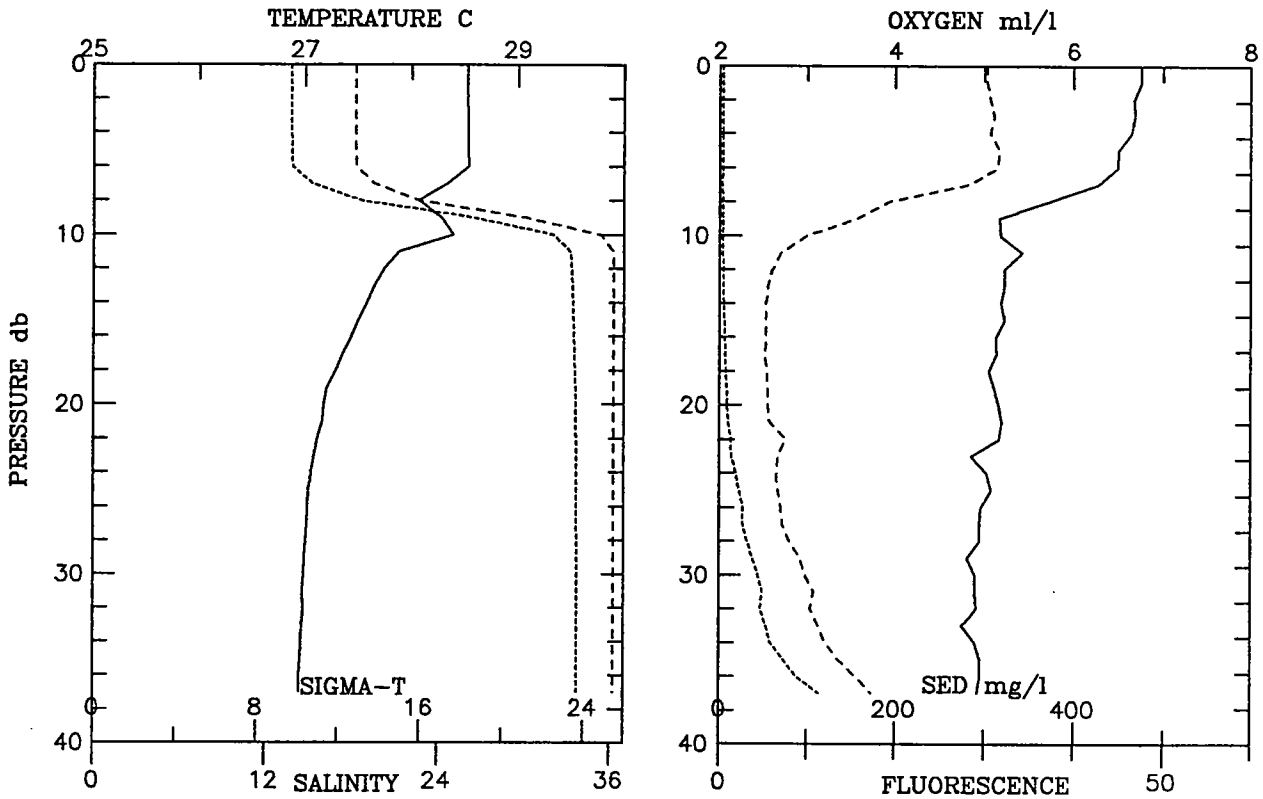
Cruise 19004 Leg 4 Station # 18.10 Depth m:41 Time: 1990-06-04 23:05
 Position: 3° 20.15'N 50° 0.20'W Depth Deck Offset: -0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	28.424	16.789	8.635	0.0000	7.617	4.3	3.4
2.0	28.543	17.276	8.961	0.0372	7.093	30.9	3.0
4.0	28.549	17.350	9.015	0.0742	6.841	39.6	3.1
6.0	28.547	17.510	9.134	0.1111	6.859	40.7	3.0
8.0	28.084	23.005	13.379	0.1448	5.939	28.4	2.9
10.0	28.647	35.871	22.838	0.1633	5.459	11.9	2.9
12.0	27.835	36.281	23.414	0.1728	5.517	6.5	3.2
14.0	27.576	36.278	23.497	0.1817	5.410	5.8	3.7
16.0	27.386	36.273	23.555	0.1906	5.281	5.0	4.2
18.0	27.280	36.274	23.590	0.1994	5.201	4.8	4.6
20.0	27.187	36.271	23.618	0.2081	5.159	4.9	5.1
22.0	27.091	36.275	23.651	0.2168	5.189	5.1	5.7
24.0	27.019	36.275	23.674	0.2254	5.101	5.1	6.4
26.0	26.978	36.274	23.687	0.2339	4.993	5.2	6.8
28.0	26.942	36.276	23.700	0.2425	5.094	5.4	8.9
30.0	26.909	36.277	23.711	0.2510	5.040	6.0	12.8
32.0	26.867	36.278	23.725	0.2595	4.955	7.4	23.1
34.0	26.833	36.281	23.738	0.2680	4.981	8.5	34.1
36.0	26.801	36.281	23.749	0.2765	4.897	10.6	53.7
38.0	26.749	36.281	23.765	0.2849	4.912	19.3	80.1



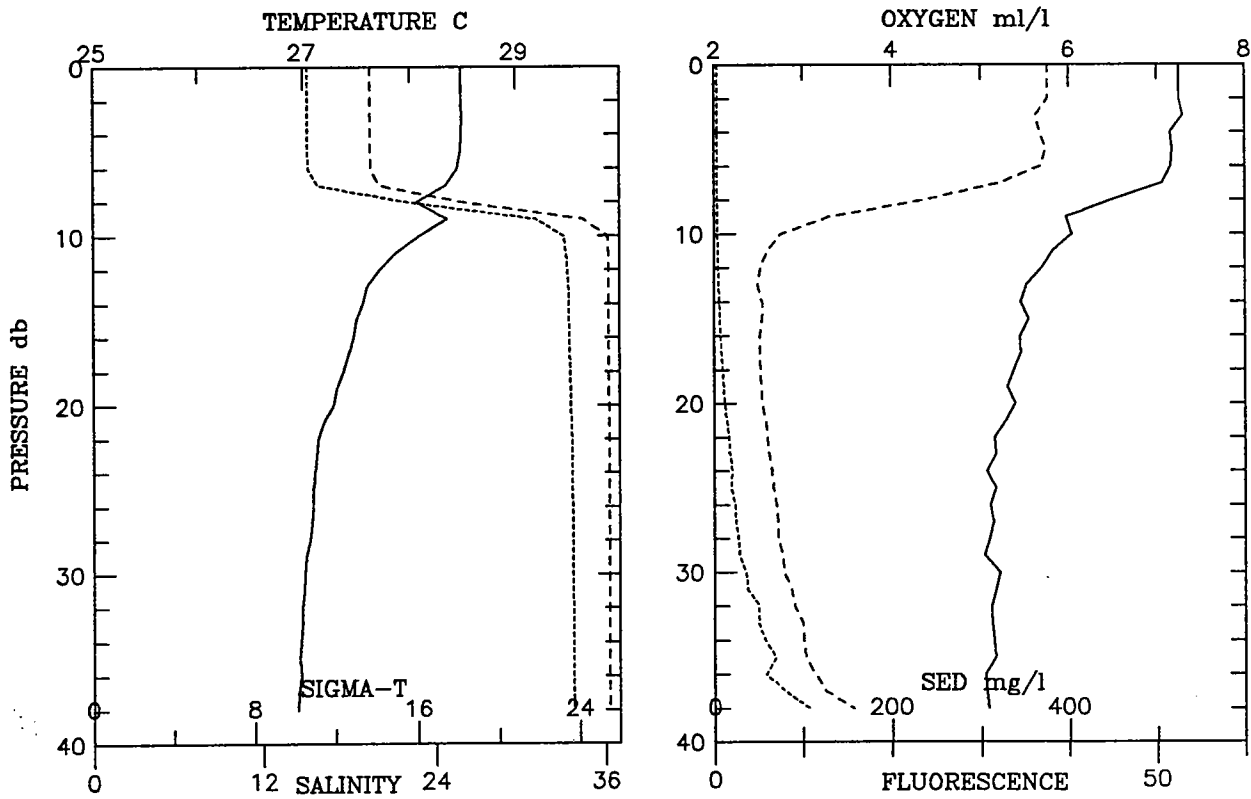
Cruise 19004 Leg 4 Station # 18.11 Depth m:40 Time: 1990-06-05 00:07
 Position: 3° 20.15'N 50° 0.19'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.524	18.297	9.728	0.0000	6.757	30.3	3.0
2.0		28.524	18.295	9.726	0.0355	6.675	30.7	3.0
4.0		28.528	18.304	9.732	0.0711	6.645	30.7	3.0
6.0		28.534	18.354	9.767	0.1066	6.493	31.5	3.0
8.0		28.068	22.687	13.146	0.1395	5.723	19.3	3.0
10.0		28.391	35.373	22.549	0.1585	5.182	10.0	3.1
12.0		27.747	36.252	23.421	0.1680	5.224	6.0	3.9
14.0		27.583	36.264	23.484	0.1770	5.189	5.3	4.5
16.0		27.441	36.259	23.527	0.1859	5.131	5.3	5.4
18.0		27.290	36.265	23.580	0.1947	5.055	5.4	6.8
20.0		27.181	36.266	23.616	0.2034	5.161	5.5	8.7
22.0		27.116	36.263	23.634	0.2121	5.173	7.6	12.6
24.0		27.057	36.263	23.653	0.2207	5.031	6.5	18.6
26.0		27.025	36.266	23.665	0.2294	4.963	7.0	26.8
28.0		27.006	36.266	23.672	0.2380	4.952	8.0	31.8
30.0		26.989	36.267	23.678	0.2465	4.902	9.8	44.1
32.0		26.983	36.267	23.680	0.2551	4.912	10.4	46.8
34.0		26.968	36.268	23.685	0.2637	4.901	12.1	58.2
36.0		26.948	36.268	23.692	0.2723	4.961	15.6	87.8
37.0		26.945	36.268	23.693	0.2765	4.926	17.4	113.5



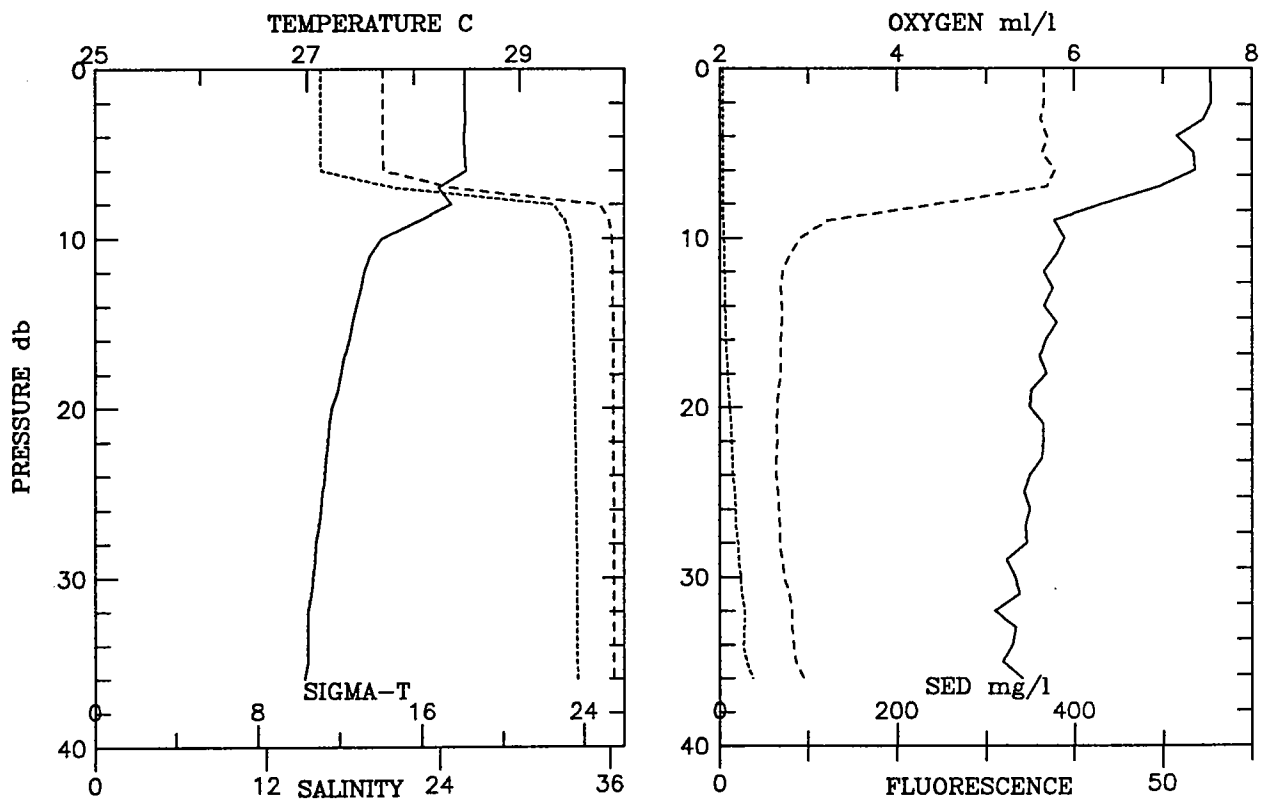
Cruise I9004 Leg 4 Station # 18.12 Depth m:40 Time: 1990-06-05 01:06
 Position: 3° 20.16'W 50° 0.22'W Depth Deck Offset: -0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.489	19.491	10.629	0.0000	7.254	37.6	3.1
2.0		28.489	19.491	10.629	0.0338	7.256	37.6	3.1
4.0		28.488	19.491	10.629	0.0675	7.153	36.7	3.1
6.0		28.451	19.507	10.653	0.1013	7.159	36.8	3.1
8.0		28.061	25.933	15.576	0.1322	6.493	23.5	3.2
10.0		28.088	36.131	23.219	0.1466	6.033	7.5	3.4
12.0		27.715	36.202	23.394	0.1559	5.697	5.2	4.4
14.0		27.562	36.220	23.458	0.1649	5.452	5.4	5.5
16.0		27.472	36.226	23.491	0.1739	5.443	5.1	7.0
18.0		27.378	36.227	23.523	0.1828	5.375	5.2	9.4
20.0		27.287	36.231	23.555	0.1916	5.383	5.4	11.7
22.0		27.139	36.241	23.610	0.2004	5.158	6.0	16.3
24.0		27.108	36.248	23.625	0.2090	5.068	6.5	20.0
26.0		27.090	36.250	23.632	0.2177	5.105	7.0	23.2
28.0		27.061	36.253	23.644	0.2264	5.096	7.2	26.7
30.0		27.011	36.258	23.664	0.2350	5.209	7.9	35.3
32.0		26.987	36.261	23.674	0.2436	5.118	9.1	50.3
34.0		26.976	36.262	23.678	0.2522	5.145	10.1	57.2
36.0		26.974	36.262	23.679	0.2608	5.048	11.4	57.9
38.0		26.949	36.264	23.688	0.2694	5.086	15.7	106.9



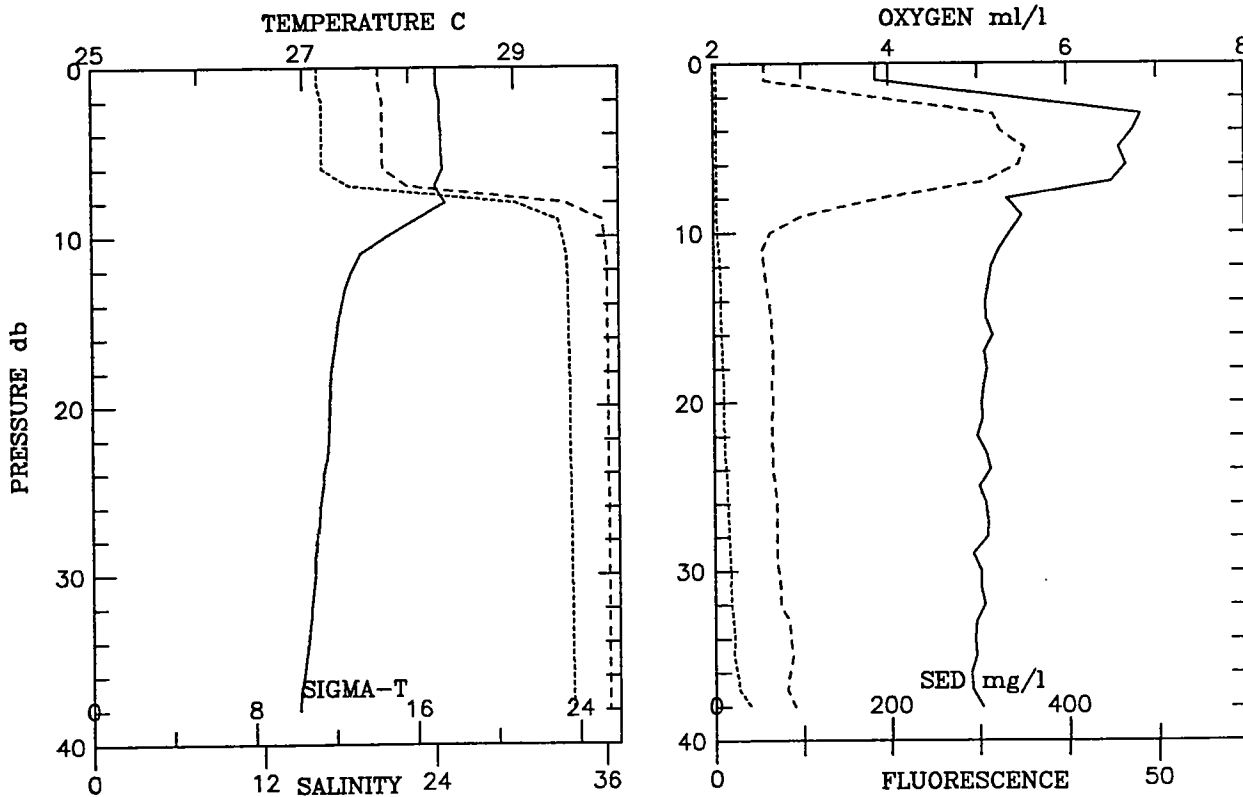
Cruise I9004 Leg 4 Station # 18.13 Depth m:39 Time: 1990-06-05 02:02
 Position: 3° 20.18'N 50° 0.25'W Depth Deck Offset: -0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.478	20.070	11.065	0.0000	7.536	36.6	3.1
2.0		28.478	20.070	11.065	0.0329	7.538	36.6	3.1
4.0		28.476	20.071	11.066	0.0658	7.157	36.9	3.1
6.0		28.495	20.112	11.091	0.0988	7.357	37.8	3.0
8.0		28.352	35.269	22.483	0.1227	6.331	24.6	3.1
10.0		27.701	36.105	23.326	0.1325	5.892	9.1	4.4
12.0		27.534	36.157	23.419	0.1417	5.657	7.1	5.1
14.0		27.462	36.176	23.457	0.1507	5.655	7.0	5.7
16.0		27.399	36.186	23.485	0.1597	5.679	6.9	6.4
18.0		27.318	36.200	23.522	0.1686	5.686	6.9	8.7
20.0		27.230	36.208	23.556	0.1774	5.499	6.5	11.1
22.0		27.196	36.220	23.576	0.1862	5.653	6.5	13.1
24.0		27.164	36.227	23.592	0.1949	5.494	6.4	14.5
26.0		27.127	36.239	23.612	0.2037	5.499	6.7	17.9
28.0		27.081	36.247	23.633	0.2124	5.462	6.8	20.5
30.0		27.056	36.253	23.646	0.2210	5.328	7.3	23.4
32.0		27.007	36.260	23.667	0.2296	5.104	8.2	28.2
34.0		27.008	36.260	23.667	0.2383	5.300	8.4	26.8
36.0		26.978	36.263	23.678	0.2469	5.413	9.5	37.4



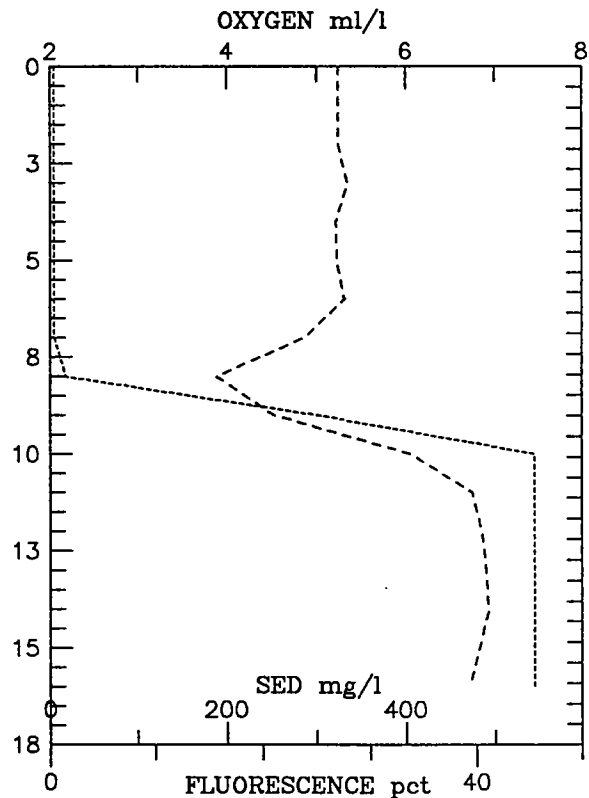
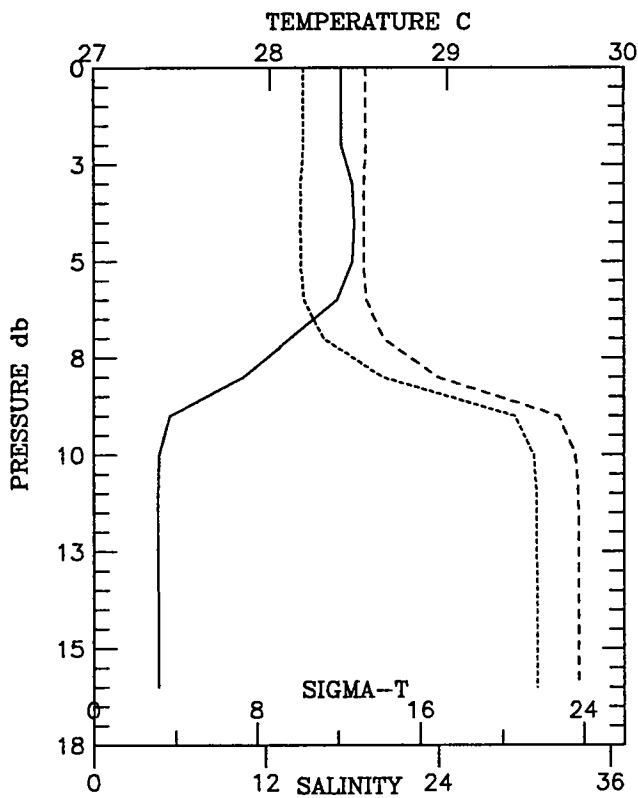
Cruise 19004 Leg 4 Station # 18.14 Depth m:40 Time: 1990-06-05 03:03
 Position: 3° 20.17'N 50° 0.30'W Depth Deck Offset: -0.17 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.263	20.081	11.139	0.0000	3.851	5.8	3.4
2.0		28.299	20.368	11.342	0.0327	5.373	18.3	3.3
4.0		28.311	20.372	11.342	0.0651	6.731	32.6	3.1
6.0		28.323	20.410	11.366	0.0974	6.659	34.6	3.1
8.0		28.348	33.136	20.883	0.1239	5.330	18.8	3.0
10.0		27.782	35.981	23.206	0.1346	5.360	6.4	4.0
12.0		27.463	36.151	23.438	0.1438	5.145	5.7	6.8
14.0		27.364	36.164	23.480	0.1528	5.084	6.2	7.7
16.0		27.311	36.174	23.505	0.1617	5.164	6.5	8.1
18.0		27.265	36.196	23.536	0.1706	5.096	6.7	9.5
20.0		27.249	36.205	23.548	0.1794	5.038	6.7	10.8
22.0		27.240	36.210	23.555	0.1883	4.990	6.5	11.5
24.0		27.188	36.229	23.586	0.1970	5.135	6.6	13.0
26.0		27.156	36.239	23.603	0.2058	5.082	7.0	14.5
28.0		27.128	36.246	23.617	0.2145	5.094	7.0	15.9
30.0		27.106	36.251	23.628	0.2232	5.026	7.2	17.6
32.0		27.069	36.257	23.644	0.2318	5.058	7.4	18.4
34.0		27.038	36.261	23.658	0.2405	4.950	8.5	21.4
36.0		26.992	36.266	23.676	0.2491	4.909	8.4	24.5
38.0		26.959	36.268	23.688	0.2577	5.031	9.0	39.6



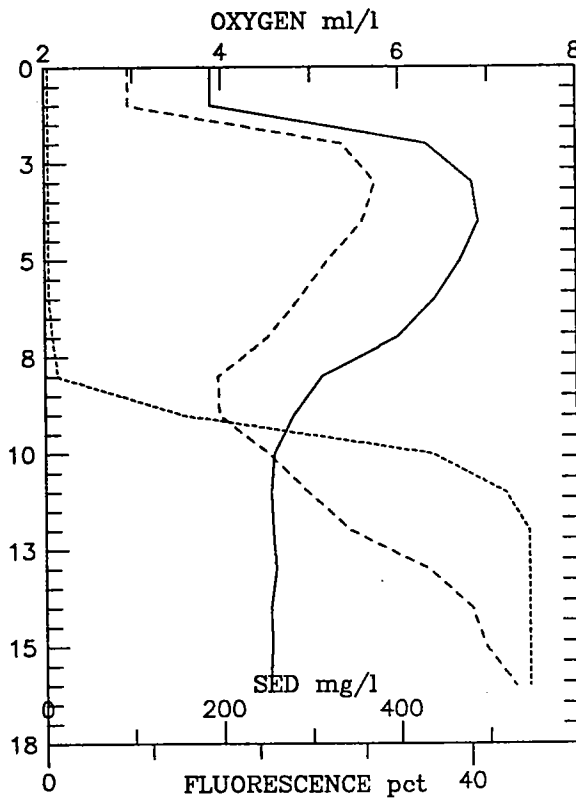
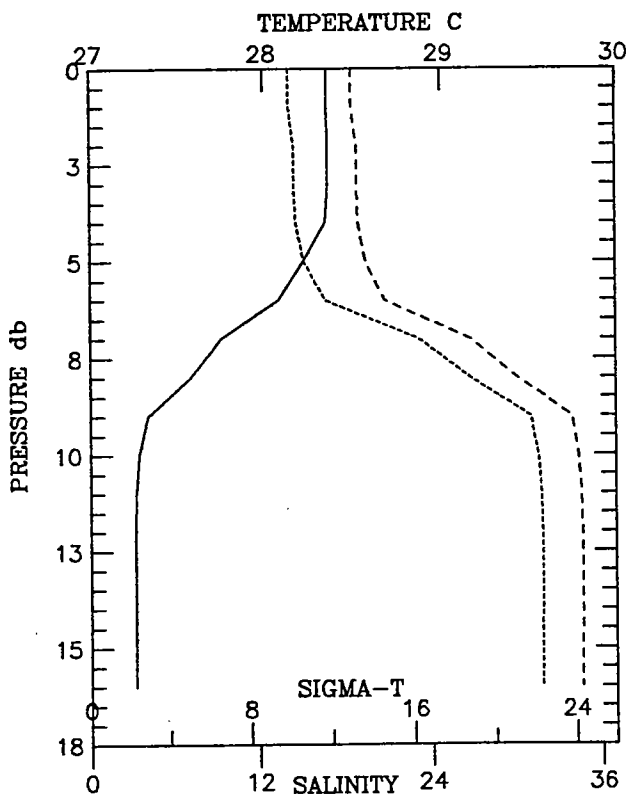
Cruise 19004 Leg 4 Station # 19.01 Depth m:20 Time: 1990-06-05 18:37
 Position: 3° 6.38'N 50° 18.93'W Depth Deck Offset: 0.40 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.406	19.036	10.316	0.0000	0.000	27.0	3.7
1.0	E	28.406	19.035	10.315	0.0172	0.000	27.0	3.7
2.0		28.406	19.035	10.315	0.0344	0.000	27.0	3.7
3.0		28.466	18.890	10.188	0.0516	0.000	27.9	3.8
4.0		28.477	18.866	10.167	0.0690	0.000	26.8	3.8
5.0		28.466	18.868	10.172	0.0863	0.000	26.9	3.8
6.0		28.379	19.059	10.341	0.1036	0.000	27.6	3.7
7.0		28.115	20.233	11.299	0.1203	0.000	23.9	4.5
8.0		27.850	24.005	14.200	0.1351	0.000	15.7	17.6
9.0		27.430	32.383	20.614	0.1454	0.000	21.0	300.0
10.0		27.367	33.577	21.531	0.1522	0.000	33.8	545.5
11.0		27.362	33.751	21.664	0.1584	0.000	39.6	545.5
12.0		27.359	33.765	21.675	0.1646	0.000	40.5	545.5
13.0		27.361	33.781	21.687	0.1708	0.000	40.9	545.5
14.0		27.364	33.804	21.703	0.1770	0.000	41.1	545.5
15.0		27.365	33.803	21.702	0.1832	0.000	40.3	545.5
16.0		27.364	33.805	21.703	0.1894	0.000	39.3	545.5



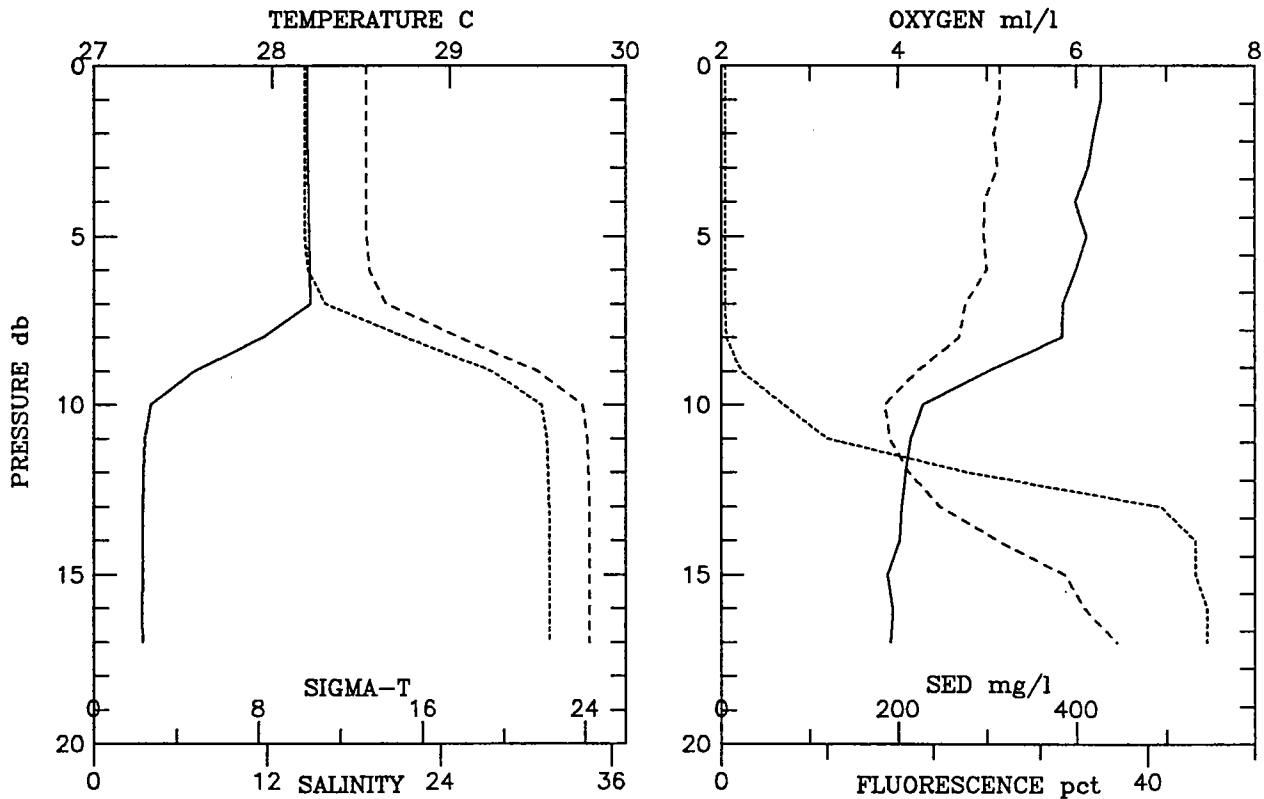
Cruise 19004 Leg 4 Station # 19.02 Depth m:19 Time: 1990-06-05 19:42
 Position: 3° 6.38'N 50° 18.93'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.362	18.509	9.936	0.0000	3.881	7.9	3.9
1.0		28.361	18.509	9.936	0.0176	3.882	7.9	3.9
2.0		28.366	18.835	10.178	0.0350	6.309	28.0	3.9
3.0		28.365	18.844	10.185	0.0523	6.831	31.1	3.9
4.0		28.351	18.951	10.269	0.0696	6.898	29.9	3.9
5.0		28.227	19.418	10.656	0.0867	6.696	26.6	4.0
6.0		28.085	20.745	11.690	0.1030	6.405	23.9	4.3
7.0		27.758	26.705	16.250	0.1167	5.974	20.9	8.3
8.0		27.584	30.007	18.780	0.1269	5.122	16.3	14.2
9.0		27.334	33.853	21.749	0.1344	4.809	16.4	156.9
10.0		27.286	34.324	22.119	0.1404	4.582	21.0	435.9
11.0		27.268	34.511	22.266	0.1461	4.541	24.7	519.0
12.0		27.260	34.569	22.312	0.1517	4.567	28.7	545.5
13.0		27.261	34.567	22.310	0.1573	4.595	36.1	545.5
14.0		27.261	34.566	22.309	0.1628	4.539	40.1	545.5
15.0		27.262	34.559	22.304	0.1684	4.545	41.4	545.5
16.0		27.263	34.548	22.295	0.1740	4.519	44.2	545.5



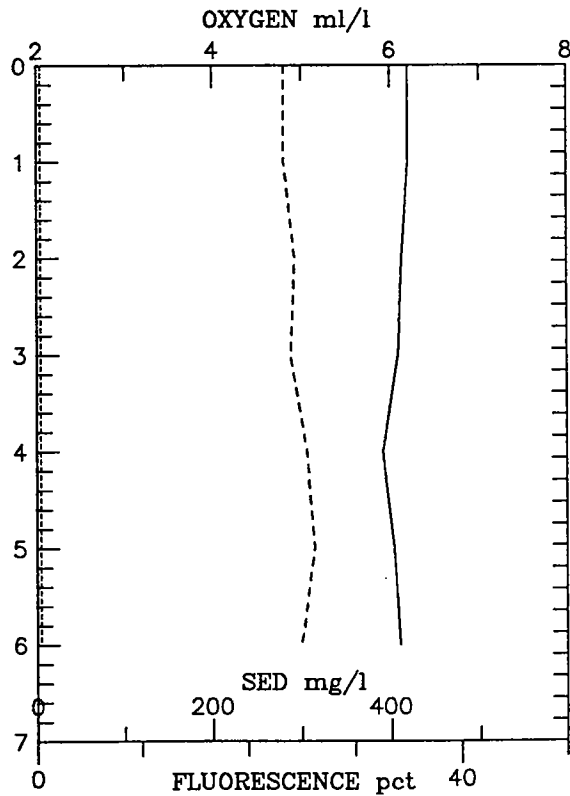
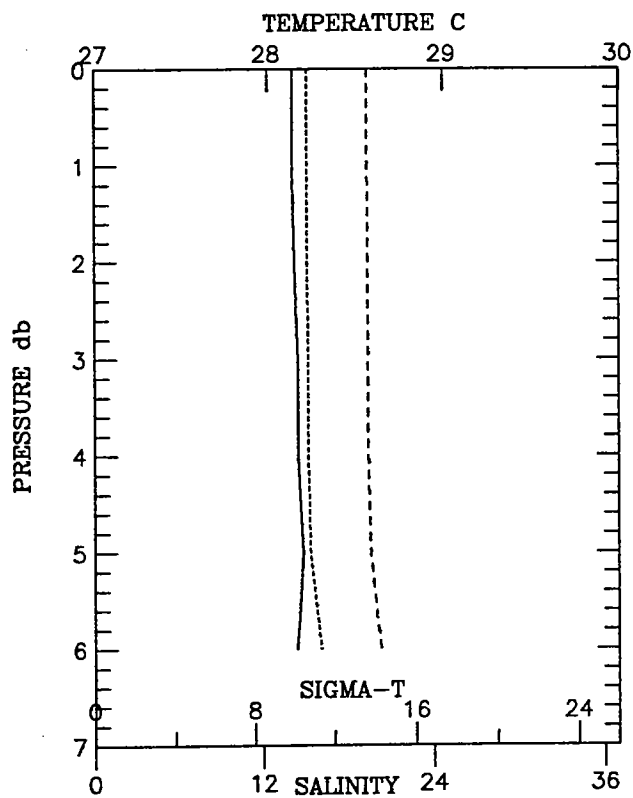
Cruise 19004 Leg 4 Station # 19.03 Depth m:20 Time: 1990-06-05 20:38
 Position: 3° 5.60'N 50° 21.70'W Depth Deck Offset: 0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.196	18.841	10.235	0.0000	6.278	26.2	3.9
1.0		28.196	18.841	10.235	0.0173	6.279	26.2	3.9
2.0		28.196	18.844	10.238	0.0345	6.197	25.7	3.9
3.0		28.200	18.843	10.236	0.0518	6.132	26.0	3.8
4.0		28.206	18.850	10.239	0.0691	5.992	24.8	3.8
5.0		28.208	18.868	10.252	0.0863	6.115	24.7	3.9
6.0		28.212	19.082	10.410	0.1035	5.995	25.0	3.8
7.0		28.215	20.216	11.255	0.1202	5.850	23.0	4.0
8.0		27.951	25.344	15.169	0.1346	5.843	22.4	5.3
9.0		27.562	30.812	19.391	0.1450	5.019	18.5	22.4
10.0		27.317	33.967	21.841	0.1522	4.280	15.4	70.3
11.0		27.284	34.307	22.107	0.1581	4.140	15.9	119.3
12.0		27.278	34.385	22.168	0.1639	4.081	17.7	278.3
13.0		27.271	34.449	22.218	0.1696	4.040	20.6	493.7
14.0		27.274	34.451	22.219	0.1753	4.023	26.0	532.1
15.0		27.271	34.457	22.224	0.1809	3.882	32.3	532.1
16.0		27.270	34.469	22.234	0.1866	3.940	34.1	545.5
17.0		27.272	34.468	22.232	0.1923	3.919	37.1	545.5



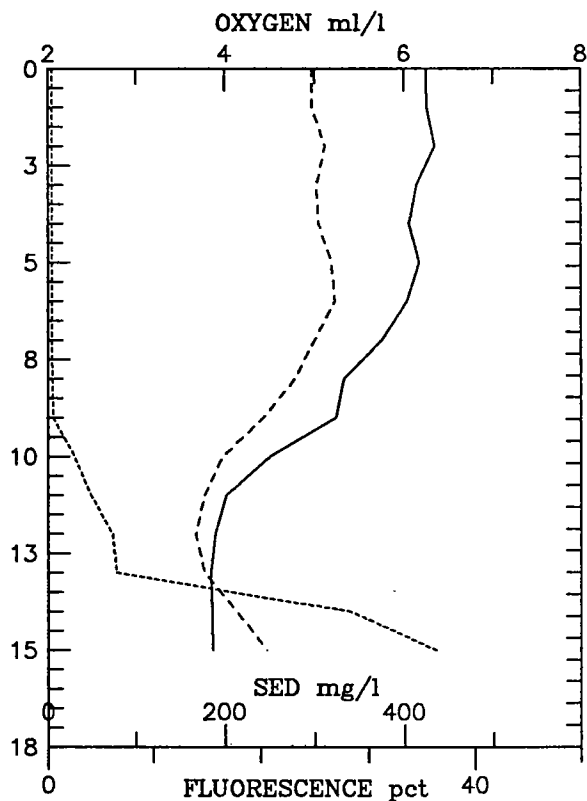
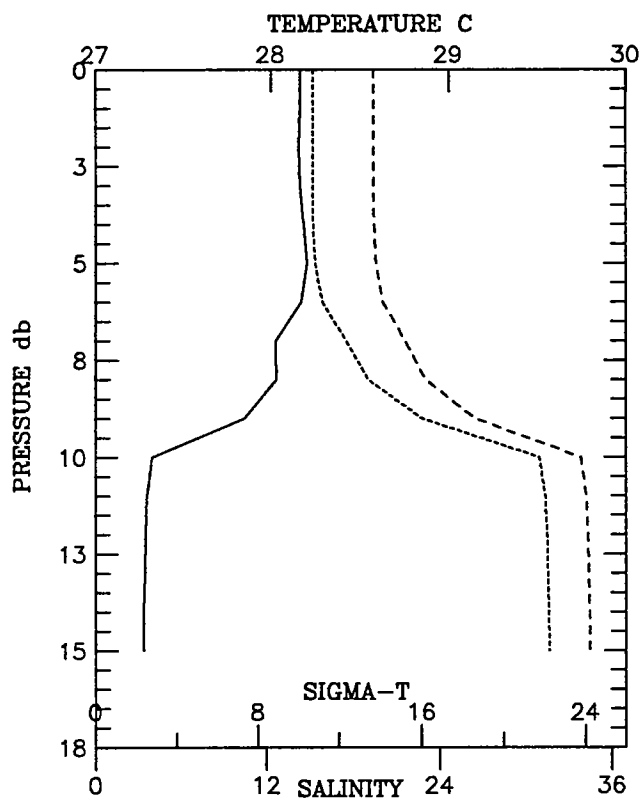
Cruise I9004 Leg 4 Station # 19.04 Depth m:20 Time: 1990-06-05 21:39
 Position: 3° 6.47'N 50° 18.86'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.146	19.401	10.668	0.0000	6.200	23.4	3.7
1.0		28.146	19.401	10.668	0.0168	6.201	23.4	3.7
2.0		28.159	19.414	10.674	0.0337	6.129	24.4	3.7
3.0		28.177	19.438	10.686	0.0505	6.086	24.0	3.7
4.0		28.174	19.444	10.692	0.0674	5.918	25.5	3.7
5.0		28.203	19.604	10.802	0.0841	6.038	26.2	3.7
6.0		28.167	20.299	11.332	0.1006	6.105	25.0	3.9



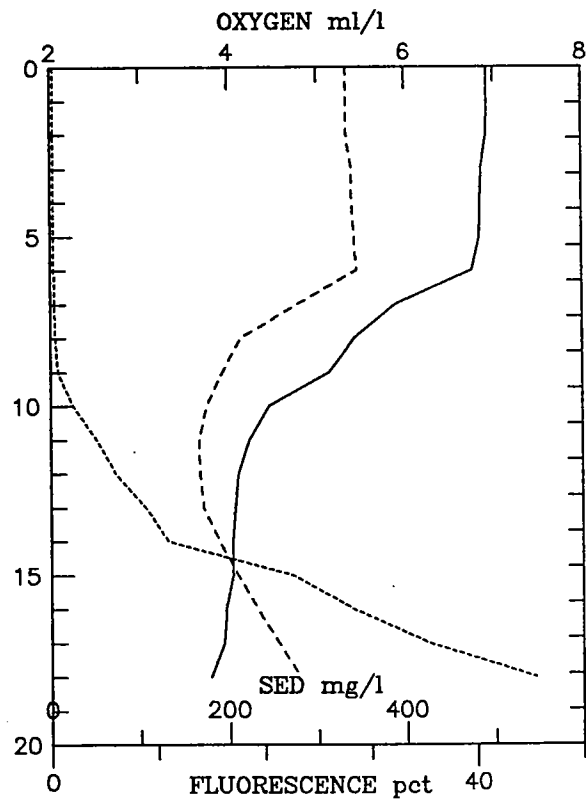
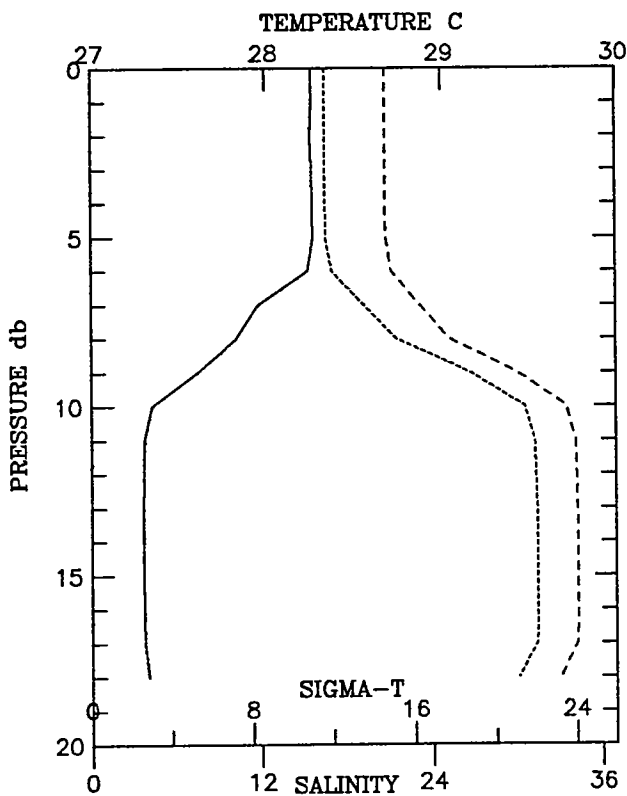
Cruise 19004 Leg 4 Station # 19.04 Depth m:20 Time: 1990-06-05 21:43
 Position: 3° 6.47'N 50° 18.86'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.164	19.464	10.710	0.0000	6.257	24.8	3.7
1.0		28.164	19.464	10.710	0.0168	6.258	24.8	3.7
2.0		28.159	19.465	10.712	0.0336	6.351	26.0	3.7
3.0		28.166	19.466	10.711	0.0504	6.142	25.2	3.7
4.0		28.187	19.509	10.736	0.0672	6.057	25.4	3.6
5.0		28.204	19.657	10.841	0.0839	6.172	26.6	3.6
6.0		28.170	20.124	11.200	0.1005	6.033	26.9	3.8
7.0		28.027	21.630	12.370	0.1162	5.748	25.0	4.4
8.0		28.031	23.049	13.429	0.1309	5.330	23.2	4.5
9.0		27.846	26.442	16.025	0.1438	5.240	20.3	5.6
10.0		27.320	33.821	21.730	0.1527	4.505	16.5	30.2
11.0		27.291	34.203	22.027	0.1587	4.021	14.8	49.0
12.0		27.284	34.319	22.116	0.1645	3.894	14.0	73.6
13.0		27.279	34.377	22.161	0.1702	3.848	14.8	78.1
14.0		27.274	34.430	22.203	0.1760	3.861	17.8	339.8
15.0		27.271	34.463	22.229	0.1816	3.868	20.6	435.9



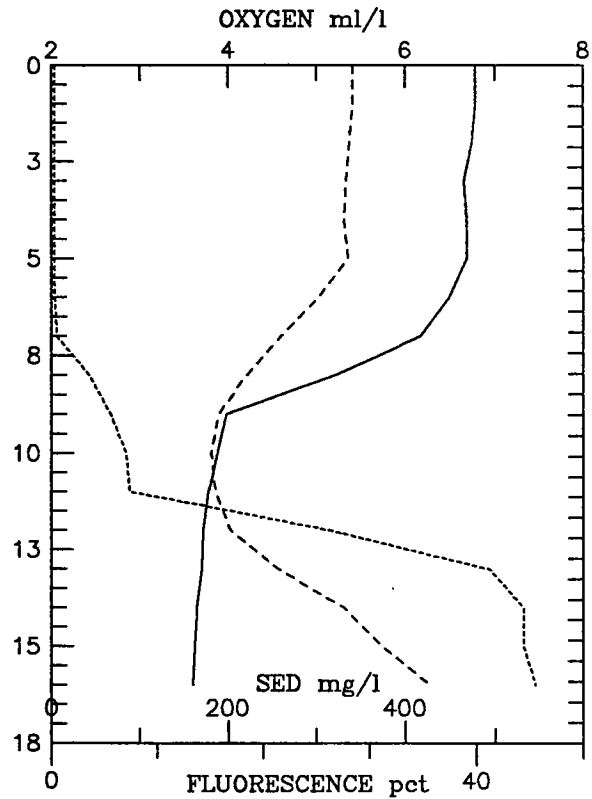
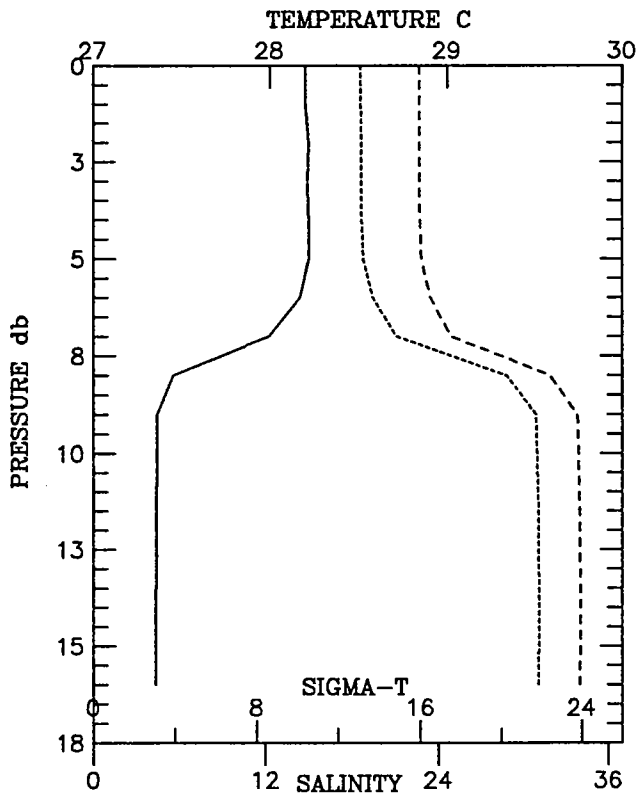
Cruise 19004 Leg 4 Station # 19.05 Depth m:20 Time: 1990-06-05 22:37
 Position: 3° 6.44'N 50° 18.85'W Depth Deck Offset: -0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 28.267	20.754	11.641	0.0000	6.932	27.8	3.5
1.0	28.267	20.754	11.641	0.0159	6.933	27.8	3.5
2.0	28.259	20.749	11.639	0.0318	6.922	27.8	3.5
3.0	28.267	20.758	11.644	0.0477	6.861	28.3	3.5
4.0	28.268	20.762	11.646	0.0636	6.853	28.3	3.5
5.0	28.276	20.802	11.674	0.0795	6.839	28.5	3.5
6.0	28.241	21.174	11.962	0.0952	6.758	28.7	3.5
7.0	27.956	23.143	13.522	0.1100	5.881	23.1	4.1
8.0	27.835	25.211	15.107	0.1233	5.417	17.8	5.2
9.0	27.613	29.970	18.743	0.1341	5.135	16.1	7.7
10.0	27.351	33.457	21.446	0.1418	4.458	14.6	25.0
11.0	27.308	34.089	21.935	0.1480	4.232	13.9	51.4
12.0	27.302	34.164	21.994	0.1539	4.109	14.0	72.7
13.0	27.299	34.214	22.032	0.1598	4.072	14.3	106.4
14.0	27.298	34.243	22.054	0.1656	4.045	15.8	131.8
15.0	27.300	34.247	22.057	0.1715	4.040	17.5	271.5
16.0	27.301	34.246	22.056	0.1773	3.960	19.3	339.8
17.0	27.306	34.193	22.014	0.1831	3.937	21.3	425.2
18.0	27.328	32.991	21.103	0.1895	3.794	23.3	545.5



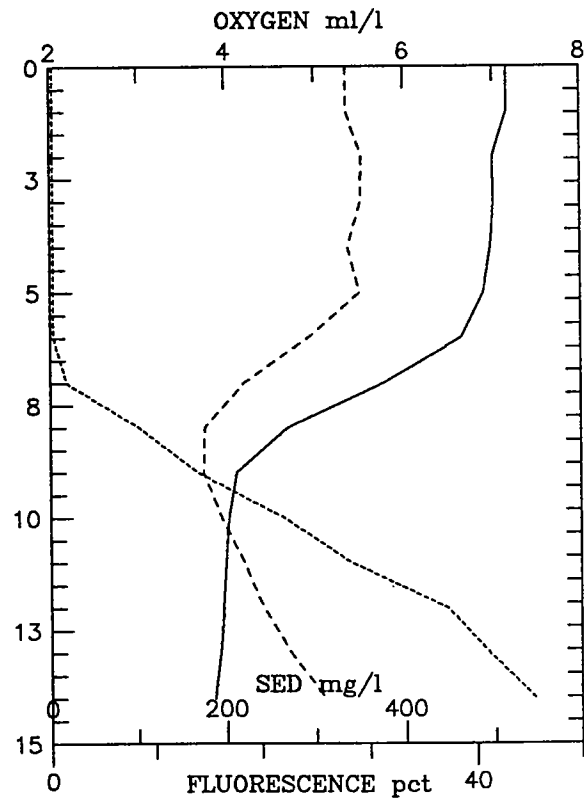
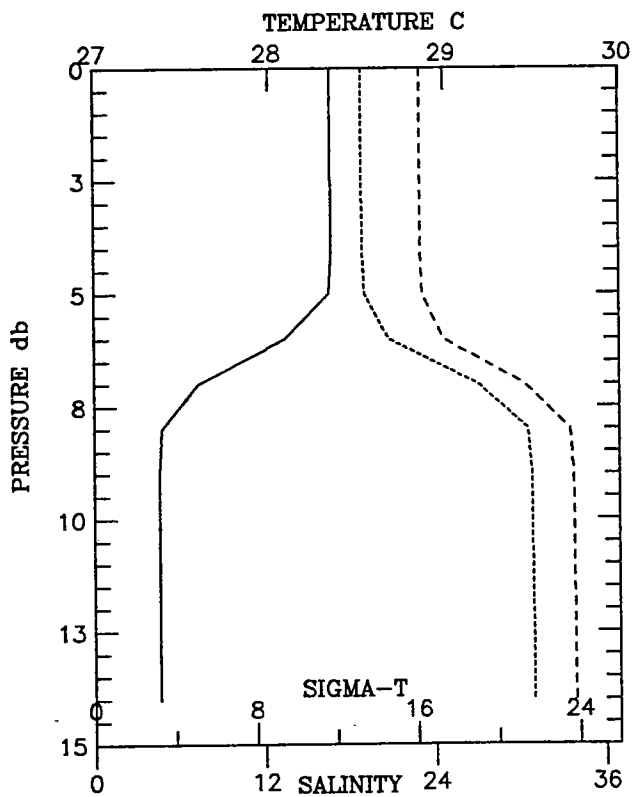
Cruise I9004 Leg 4 Station # 19.06 Depth m:19 Time: 1990-06-05 23:35
 Position: 3° 0.00'N 50° 0.00'W Depth Deck Offset: -0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.202	22.692	13.108	0.0000	6.785	28.4	3.3
1.0		28.202	22.692	13.108	0.0145	6.786	28.4	3.3
2.0		28.217	22.708	13.115	0.0289	6.745	28.1	3.3
3.0		28.211	22.704	13.114	0.0434	6.659	27.8	3.3
4.0		28.221	22.739	13.137	0.0578	6.692	27.6	3.3
5.0		28.219	22.838	13.212	0.0722	6.694	28.0	3.3
6.0		28.167	23.446	13.682	0.0864	6.491	25.2	3.5
7.0		27.994	24.931	14.848	0.0997	6.173	21.7	6.0
8.0		27.450	31.904	20.247	0.1099	5.223	18.4	42.9
9.0		27.361	33.837	21.728	0.1167	3.984	15.8	67.0
10.0		27.359	33.910	21.784	0.1229	3.883	15.1	84.8
11.0		27.358	33.968	21.828	0.1289	3.783	15.5	88.5
12.0		27.357	34.010	21.860	0.1350	3.724	16.9	315.3
13.0		27.356	34.026	21.872	0.1410	3.705	21.4	493.7
14.0		27.355	34.033	21.878	0.1470	3.647	27.6	532.1
15.0		27.354	34.035	21.880	0.1530	3.624	31.2	532.1
16.0		27.354	33.987	21.844	0.1590	3.609	35.7	545.5



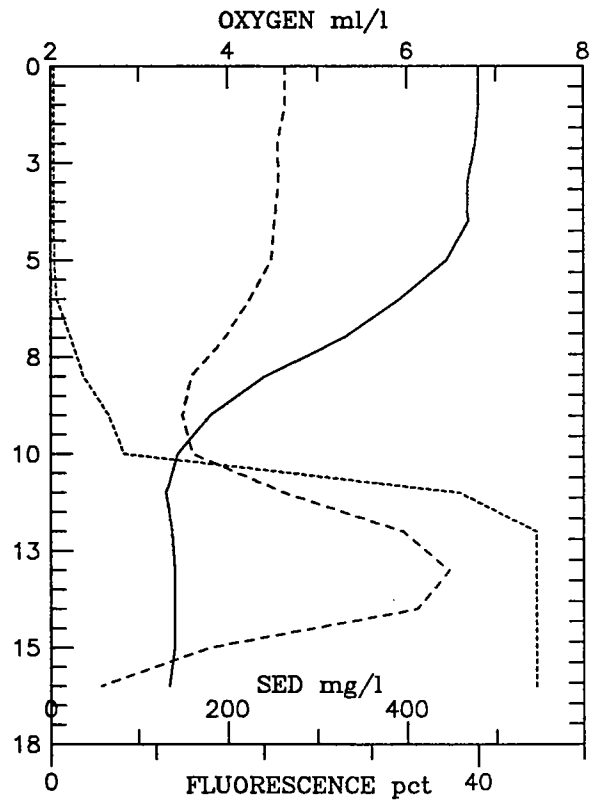
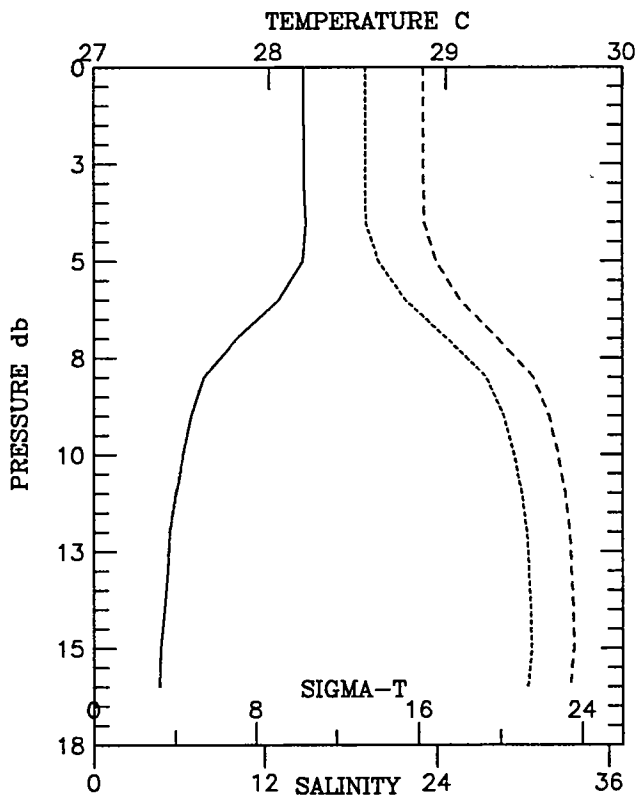
Cruise I9004 Leg 4 Station # 19.07 Depth m:18 Time: 1990-06-06 00:37
 Position: 3° 6.59'N 50° 18.77'W Depth Deck Offset: -0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)	
0.0	E	28.355	23.003	13.293	0.0000	7.160	28.0	3.4
1.0		28.354	23.003	13.293	0.0143	7.160	28.0	3.4
2.0		28.354	23.003	13.293	0.0286	7.001	29.4	3.4
3.0		28.358	23.011	13.298	0.0429	7.008	29.3	3.4
4.0		28.357	23.015	13.301	0.0571	6.973	28.1	3.4
5.0		28.344	23.143	13.400	0.0714	6.891	29.2	3.4
6.0		28.087	24.616	14.583	0.0850	6.636	24.4	3.6
7.0		27.595	30.330	19.019	0.0959	5.773	18.4	18.5
8.0		27.388	33.506	21.471	0.1034	4.696	14.7	102.0
9.0		27.372	33.753	21.662	0.1097	4.122	14.6	169.1
10.0		27.372	33.763	21.669	0.1159	4.034	16.3	264.8
11.0		27.370	33.793	21.693	0.1221	3.996	18.4	339.8
12.0		27.370	33.821	21.714	0.1283	3.968	20.2	446.9
13.0		27.371	33.837	21.725	0.1345	3.932	22.7	493.7
14.0		27.372	33.852	21.736	0.1406	3.868	25.9	545.5



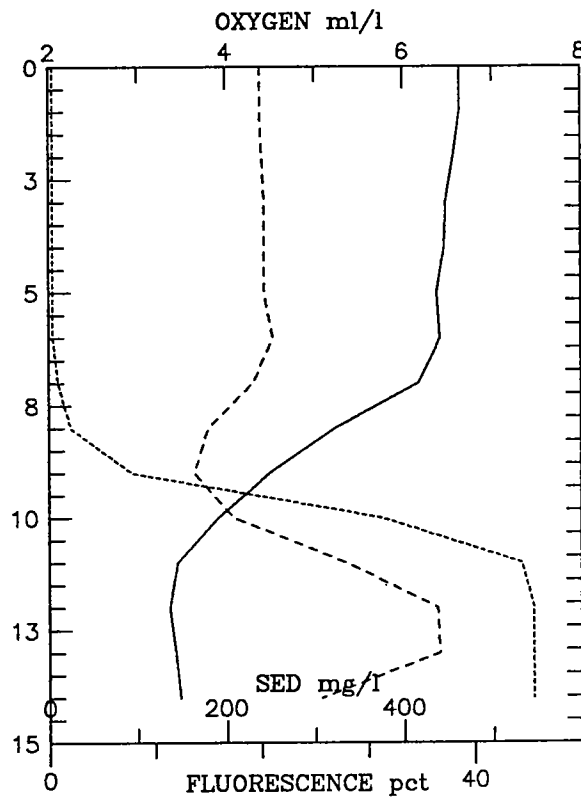
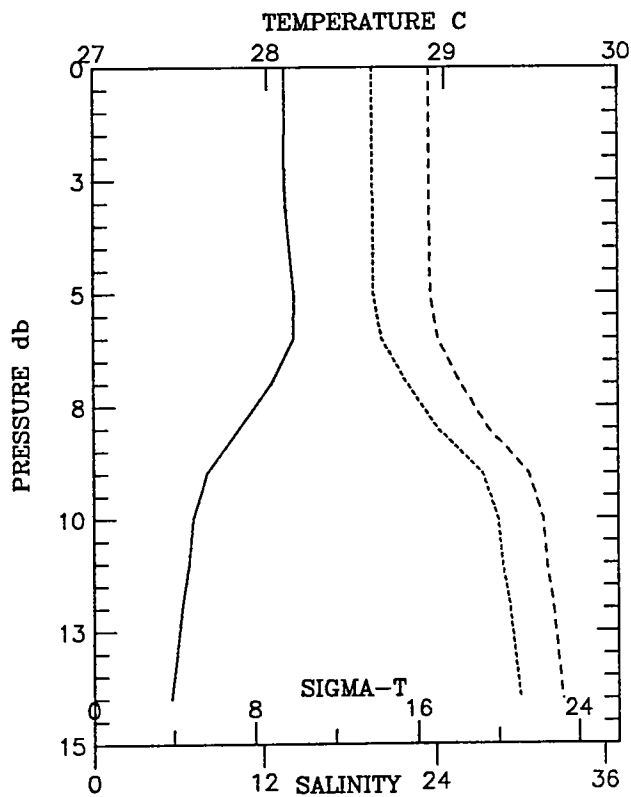
Cruise I9004 Leg 4 Station # 19.08 Depth m:17 Time: 1990-06-06 01:36
 Position: 3° 6.66'N 50° 18.75'W Depth Deck Offset: -0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.198	23.110	13.422	0.0000	6.805	22.0	3.5
1.0	28.198	23.110	13.422	0.0142	6.806	22.0	3.5
2.0	28.202	23.113	13.422	0.0283	6.771	21.3	3.5
3.0	28.202	23.122	13.429	0.0425	6.679	21.4	3.5
4.0	28.211	23.162	13.456	0.0566	6.689	21.0	3.5
5.0	28.192	23.982	14.075	0.0704	6.443	20.7	3.7
6.0	28.055	25.641	15.359	0.0834	5.921	18.7	6.6
7.0	27.815	28.266	17.401	0.0946	5.293	16.4	22.8
8.0	27.627	30.732	19.311	0.1040	4.412	13.3	37.3
9.0	27.552	31.843	20.169	0.1121	3.807	12.5	66.2
10.0	27.506	32.482	20.664	0.1195	3.443	13.4	83.4
11.0	27.465	32.956	21.033	0.1265	3.314	21.9	458.2
12.0	27.431	33.283	21.290	0.1332	3.382	33.0	545.5
13.0	27.417	33.402	21.384	0.1397	3.405	37.3	545.5
14.0	27.403	33.509	21.469	0.1461	3.410	34.3	545.5
15.0	27.378	33.556	21.512	0.1525	3.405	15.0	545.5
16.0	27.371	33.299	21.321	0.1589	3.351	4.8	545.5



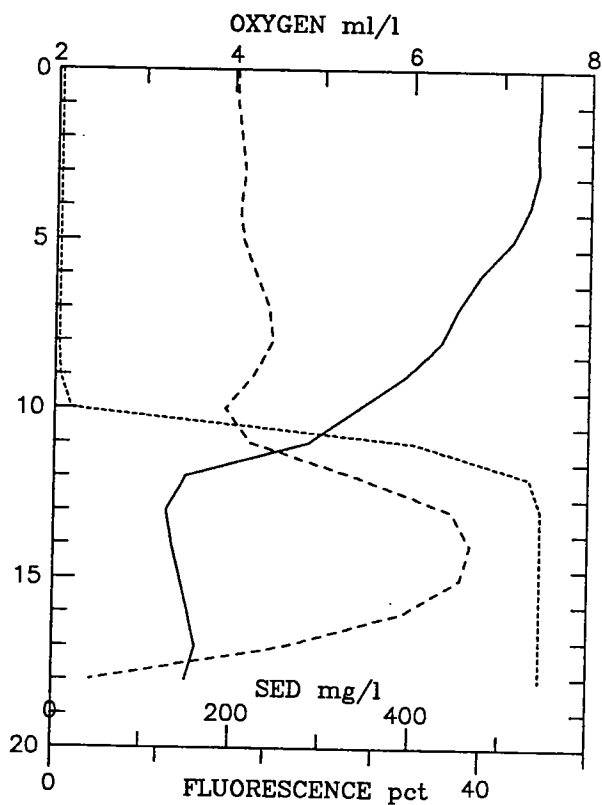
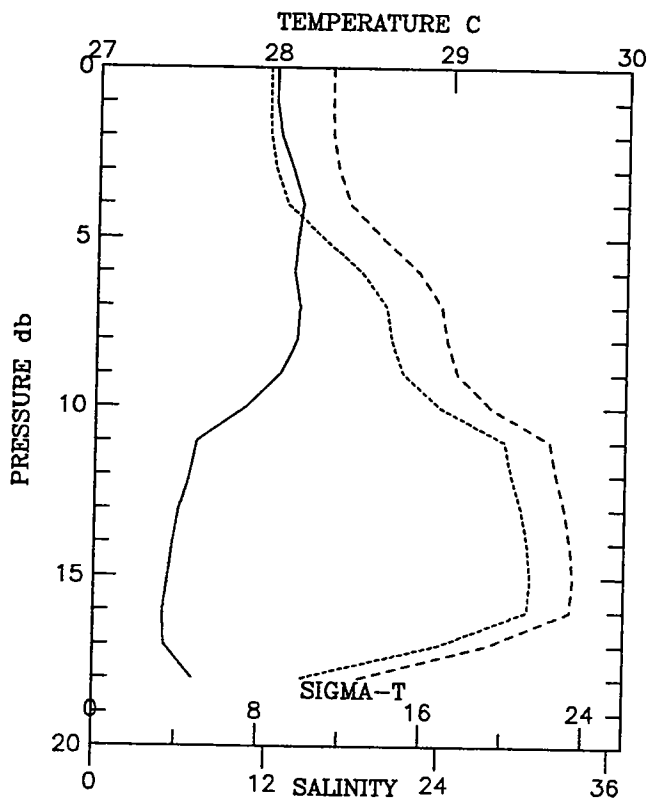
Cruise 19004 Leg 4 Station # 19.09 Depth m:17 Time: 1990-06-06 02:36
 Position: 3° 6.70'N 50° 18.70'W Depth Deck Offset: -0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.099	23.603	13.821	0.0000	6.636	19.9
1.0		28.098	23.603	13.821	0.0138	6.636	19.9
2.0		28.096	23.607	13.825	0.0275	6.567	20.1
3.0		28.103	23.614	13.828	0.0413	6.482	20.3
4.0		28.126	23.643	13.843	0.0551	6.465	20.3
5.0		28.149	23.675	13.859	0.0688	6.375	20.3
6.0		28.146	24.176	14.235	0.0824	6.414	21.1
7.0		28.018	25.796	15.487	0.0951	6.174	19.2
8.0		27.837	27.734	16.996	0.1066	5.235	15.0
9.0		27.651	30.615	19.215	0.1162	4.490	13.7
10.0		27.577	31.605	19.982	0.1244	3.912	17.4
11.0		27.551	31.855	20.178	0.1321	3.456	28.0
12.0		27.510	32.344	20.559	0.1396	3.363	36.5
13.0		27.483	32.671	20.813	0.1467	3.431	36.7
14.0		27.449	33.005	21.075	0.1536	3.483	25.6



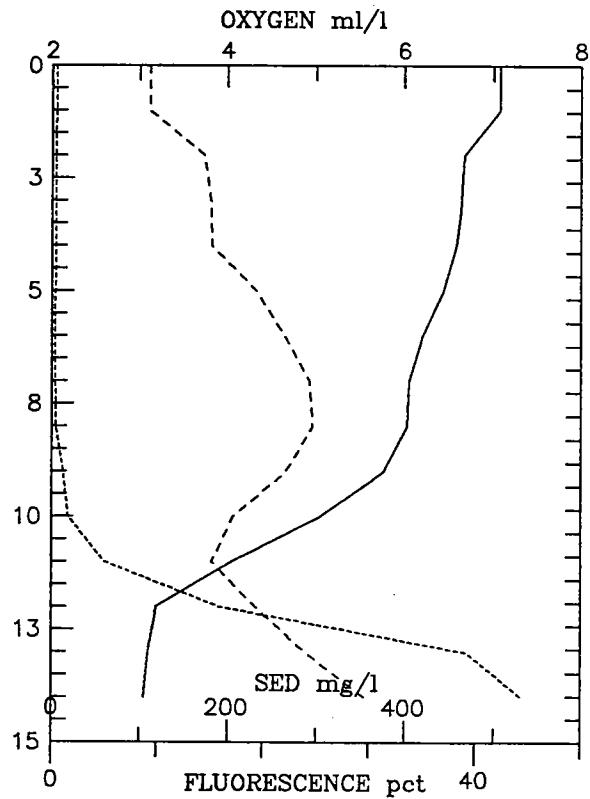
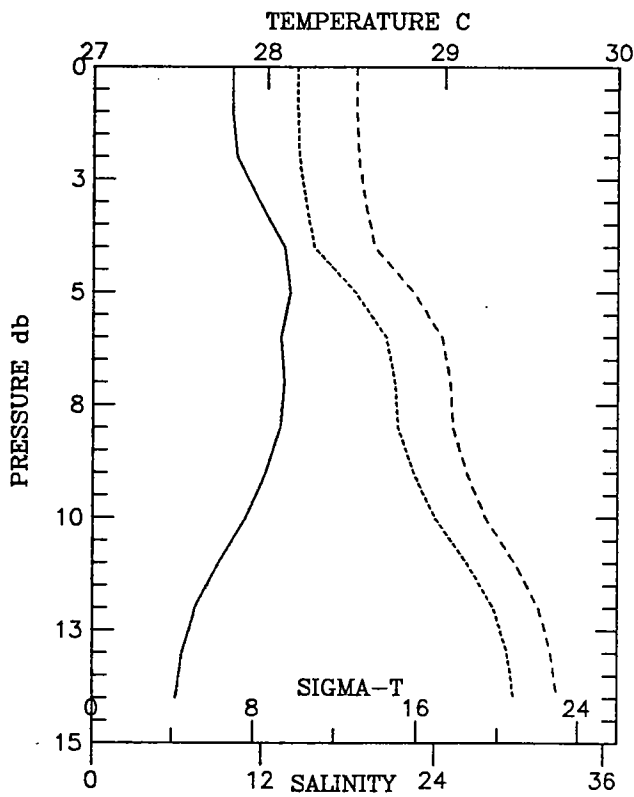
Cruise I9004 Leg 4 Station # 19.10 Depth m:17 Time: 1990-06-06 03:35
 Position: 3° 6.63'N 50° 18.83'W Depth Deck Offset: -0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.999	16.193	8.320	0.0000	7.409	16.9	4.4
1.0		27.998	16.193	8.321	0.0192	7.410	16.9	4.4
2.0		28.026	16.265	8.366	0.0383	7.389	17.3	4.4
3.0		28.095	16.686	8.659	0.0572	7.399	17.7	4.4
4.0		28.154	17.487	9.238	0.0758	7.311	17.3	4.3
5.0		28.128	19.838	11.000	0.0932	7.121	17.6	4.0
6.0		28.109	22.419	12.933	0.1087	6.767	18.8	3.8
7.0		28.142	24.049	14.141	0.1228	6.524	20.1	3.8
8.0		28.129	24.426	14.427	0.1361	6.343	20.5	4.1
9.0		28.038	25.165	15.009	0.1490	5.946	18.7	5.4
10.0		27.847	27.569	16.869	0.1607	5.405	16.1	18.7
11.0		27.572	31.716	20.067	0.1700	4.856	18.4	404.5
12.0		27.534	32.153	20.408	0.1776	3.488	28.5	532.1
13.0		27.474	32.803	20.915	0.1848	3.279	37.2	545.5
14.0		27.440	33.207	21.230	0.1915	3.341	39.0	545.5
15.0		27.416	33.415	21.394	0.1981	3.441	38.1	545.5
16.0		27.388	33.242	21.273	0.2046	3.529	32.8	545.5
17.0		27.397	27.505	16.962	0.2133	3.616	21.7	545.5
18.0		27.558	18.401	10.102	0.2273	3.510	3.6	545.5



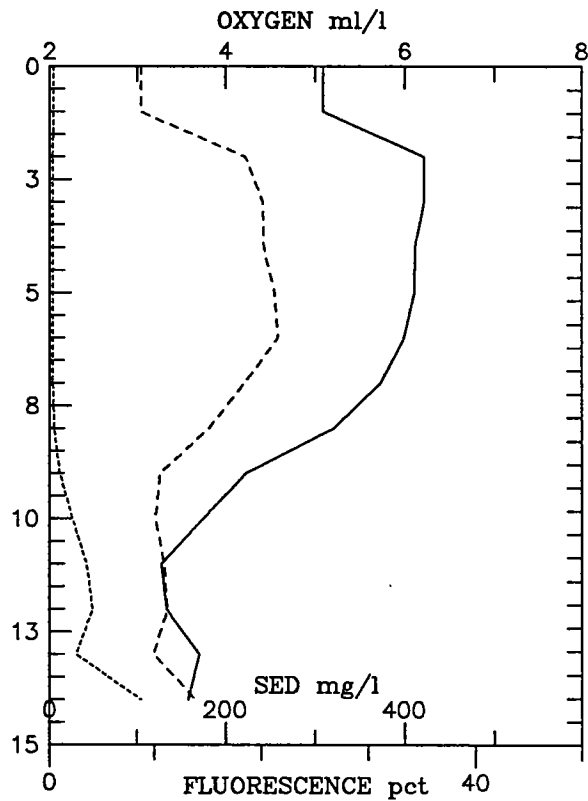
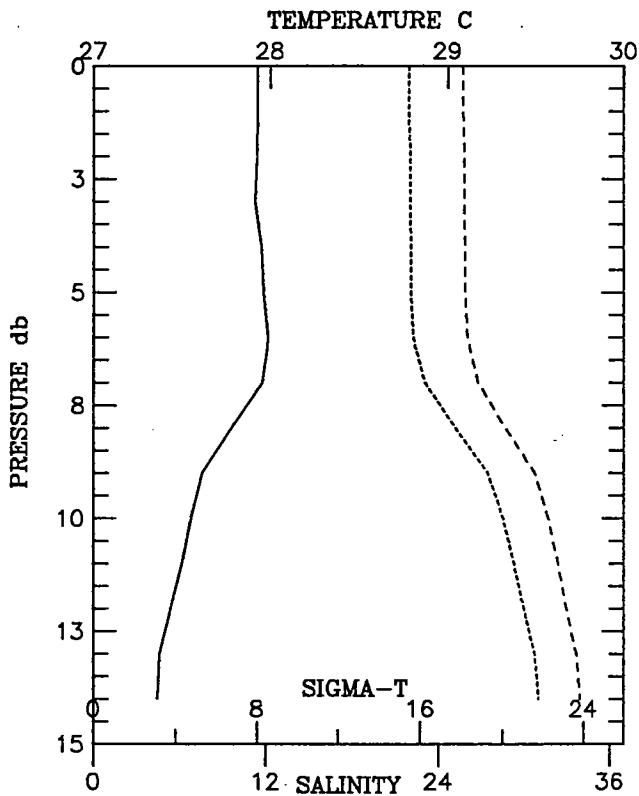
Cruise I9004 Leg 4 Station # 19.11 Depth m:17 Time: 1990-06-06 04:35
 Position: 3° 6.60'N 50° 18.83'W Depth Deck Offset: -0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.801	18.551	10.140	0.0000	7.075	9.3
1.0		27.801	18.551	10.140	0.0216	7.075	9.3
2.0		27.825	18.670	10.221	0.0389	6.677	14.5
3.0		27.959	19.177	10.559	0.0560	6.644	15.1
4.0		28.101	19.812	10.989	0.0728	6.590	15.2
5.0		28.134	22.514	12.996	0.0883	6.444	19.4
6.0		28.081	24.489	14.490	0.1022	6.207	22.1
7.0		28.099	25.085	14.930	0.1151	6.056	24.4
8.0		28.079	25.273	15.077	0.1277	6.033	24.7
9.0		27.993	26.252	15.836	0.1399	5.765	22.2
10.0		27.880	27.604	16.885	0.1512	5.045	17.2
11.0		27.726	29.656	18.472	0.1613	4.048	15.2
12.0		27.595	31.369	19.799	0.1699	3.186	19.3
13.0		27.523	32.231	20.470	0.1776	3.104	24.0
14.0		27.483	32.669	20.812	0.1848	3.052	29.6



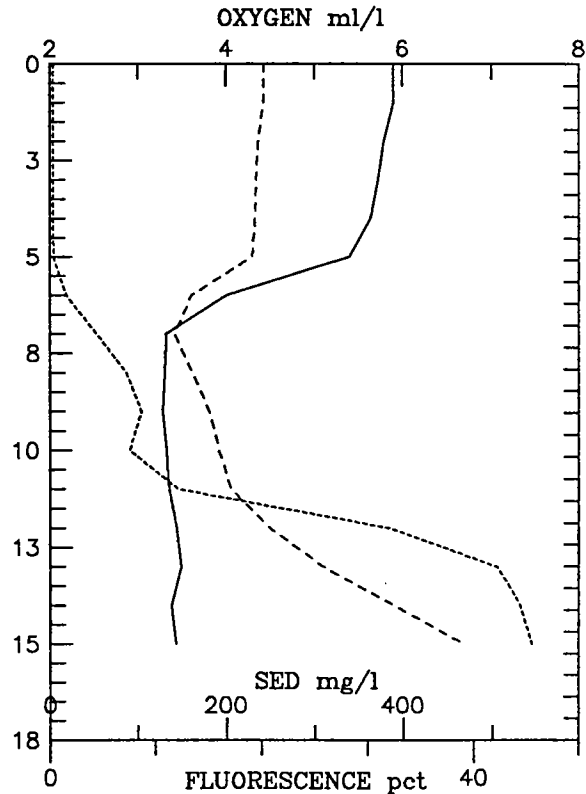
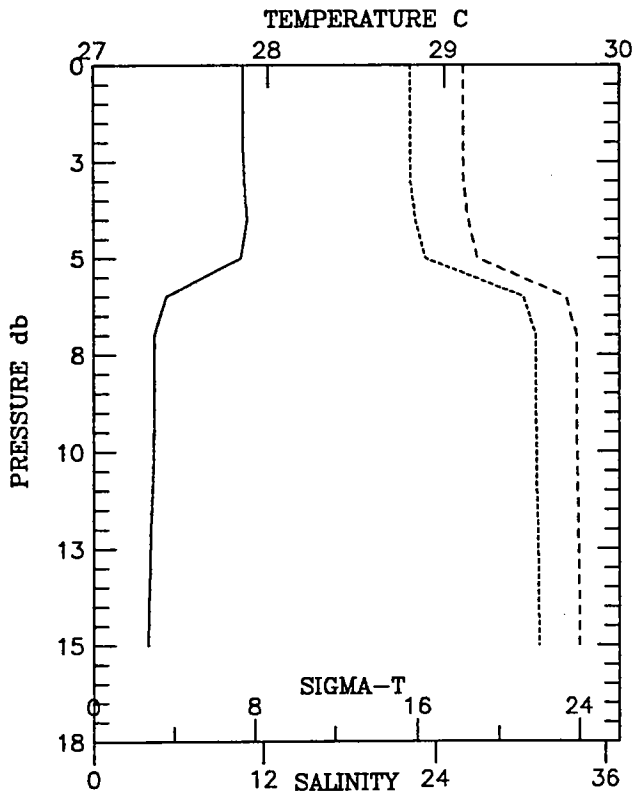
Cruise I9004 Leg 4 Station # 19.12 Depth m:18 Time: 1990-06-06 05:34
 Position: 3° 6.58'N 50° 18.83'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	27.928	25.707	15.448	0.0000	5.087	8.7	4.0
1.0		27.928	25.707	15.448	0.0195	5.087	8.7	4.0
2.0		27.923	25.809	15.526	0.0317	6.220	18.5	3.3
3.0		27.913	25.800	15.523	0.0438	6.218	20.1	3.3
4.0		27.950	25.828	15.532	0.0559	6.114	20.2	3.3
5.0		27.962	25.842	15.539	0.0680	6.106	21.2	3.3
6.0		27.987	26.019	15.663	0.0801	5.991	21.5	3.4
7.0		27.953	26.760	16.229	0.0918	5.727	18.4	3.5
8.0		27.779	28.642	17.694	0.1025	5.206	15.1	5.1
9.0		27.613	30.687	19.281	0.1118	4.220	10.5	11.6
10.0		27.550	31.643	20.019	0.1199	3.752	10.1	26.1
11.0		27.499	32.334	20.555	0.1274	3.279	10.9	42.4
12.0		27.435	32.930	21.023	0.1345	3.338	11.2	49.3
13.0		27.371	33.622	21.564	0.1411	3.704	9.9	30.5
14.0		27.359	33.881	21.762	0.1473	3.585	13.9	105.1



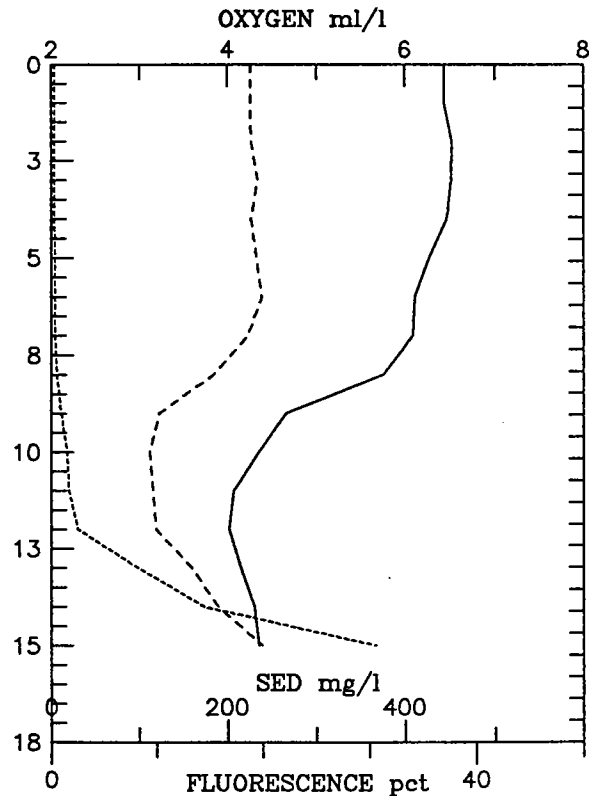
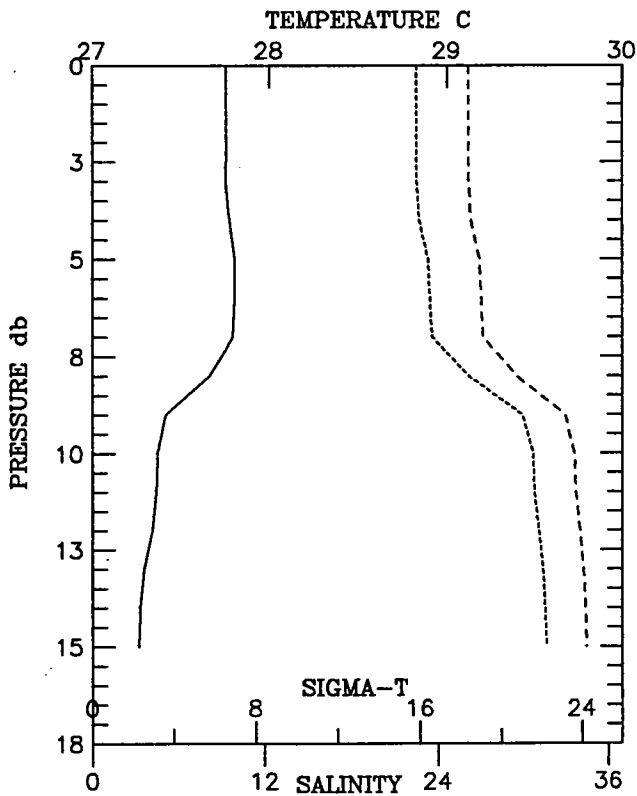
Cruise 19004 Leg 4 Station # 19.13 Depth m:19 Time: 1990-06-06 06:34
 Position: 3° 6.57'N 50° 18.82'W Depth Deck Offset: -0.20 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 27.858	25.975	15.672	0.0000	5.897	20.2	3.3
1.0	27.857	25.975	15.672	0.0120	5.897	20.2	3.3
2.0	27.857	25.973	15.670	0.0240	5.790	19.7	3.3
3.0	27.865	25.988	15.679	0.0359	5.720	19.5	3.3
4.0	27.881	26.327	15.928	0.0478	5.632	19.4	3.4
5.0	27.845	26.968	16.419	0.0593	5.392	19.1	3.7
6.0	27.417	33.184	21.220	0.0682	4.005	13.4	18.4
7.0	27.351	33.962	21.826	0.0745	3.325	11.8	53.0
8.0	27.350	33.966	21.829	0.0806	3.309	13.5	87.0
9.0	27.348	33.968	21.831	0.0866	3.283	15.1	104.2
10.0	27.345	33.985	21.845	0.0927	3.331	16.0	90.7
11.0	27.340	34.017	21.871	0.0987	3.354	17.1	145.6
12.0	27.330	34.069	21.913	0.1047	3.436	20.8	384.8
13.0	27.323	34.102	21.940	0.1106	3.489	25.8	506.2
14.0	27.317	34.129	21.963	0.1166	3.380	32.5	532.1
15.0	27.312	34.152	21.982	0.1225	3.426	39.1	545.5



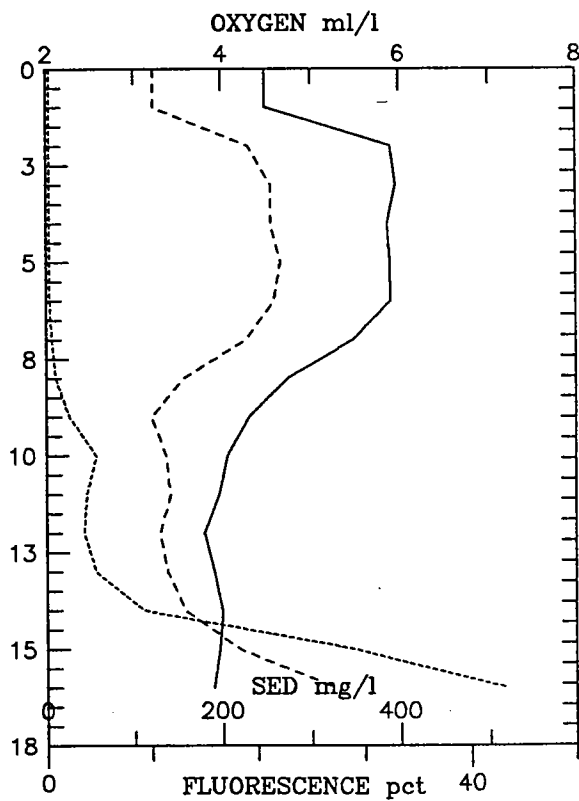
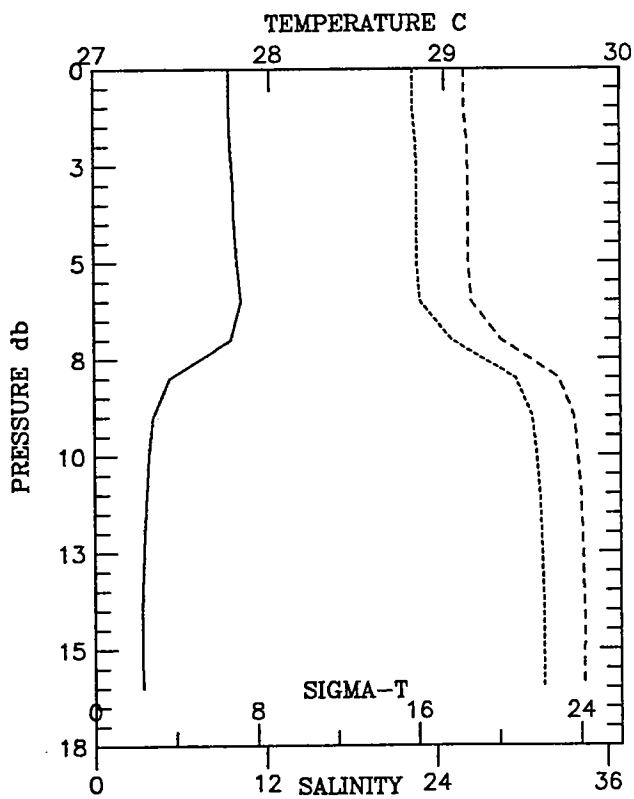
Cruise I9004 Leg 4 Station # 19.14 Depth m:18 Time: 1990-06-06 07:33
 Position: 3° 6.60'N 50° 18.84'W Depth Deck Offset: -0.20 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.758	26.141	15.827	0.0000	6.441	18.8	3.3
1.0		27.758	26.141	15.827	0.0118	6.442	18.8	3.3
2.0		27.756	26.146	15.832	0.0236	6.531	18.9	3.3
3.0		27.753	26.162	15.844	0.0355	6.523	19.5	3.3
4.0		27.776	26.335	15.967	0.0472	6.473	18.9	3.4
5.0		27.805	26.919	16.395	0.0587	6.273	19.4	3.9
6.0		27.803	27.034	16.482	0.0699	6.117	19.9	4.0
7.0		27.795	27.166	16.583	0.0811	6.092	18.6	4.1
8.0		27.663	29.505	18.378	0.0913	5.754	15.4	6.0
9.0		27.416	32.935	21.033	0.0994	4.659	10.2	11.2
10.0		27.367	33.615	21.560	0.1060	4.357	9.3	17.8
11.0		27.363	33.712	21.634	0.1122	4.069	9.6	19.9
12.0		27.341	33.987	21.848	0.1184	4.019	9.9	30.2
13.0		27.290	34.244	22.058	0.1243	4.146	13.3	98.5
14.0		27.271	34.379	22.165	0.1301	4.300	15.8	173.4
15.0		27.263	34.457	22.227	0.1358	4.351	19.9	366.1



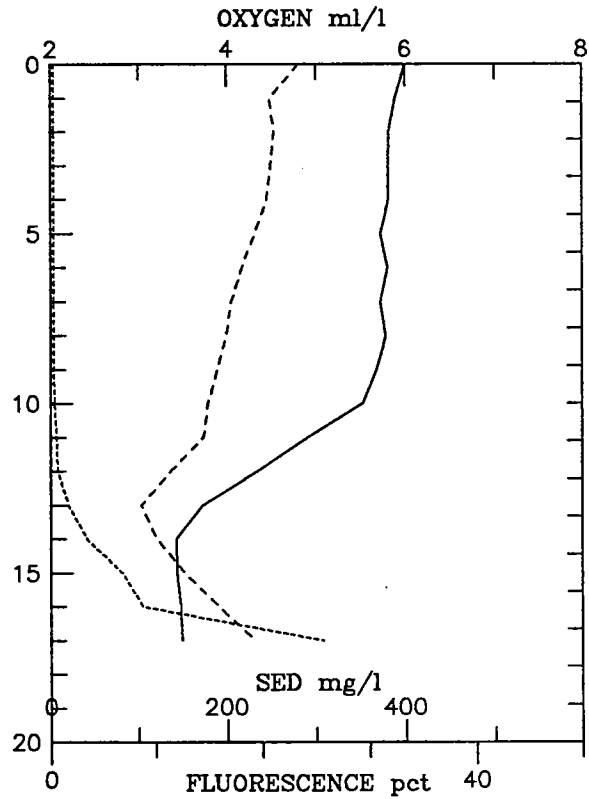
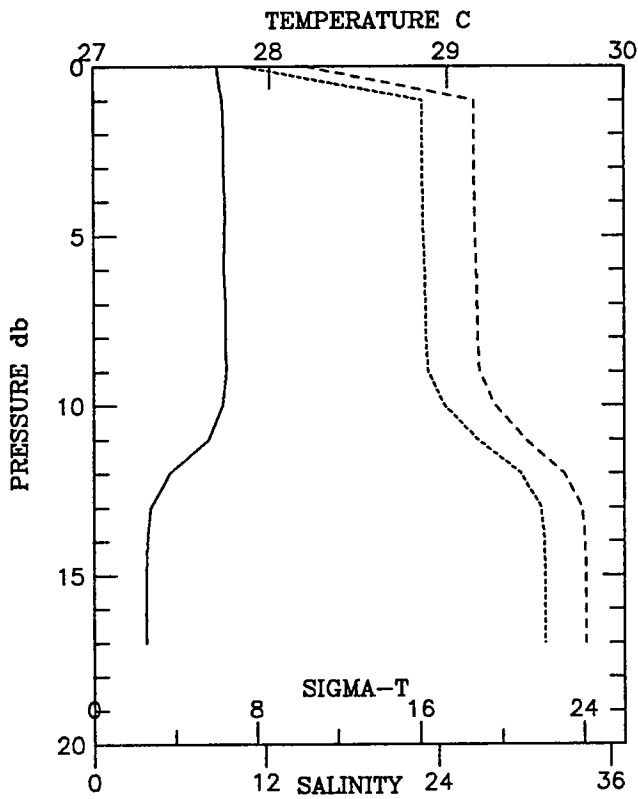
Cruise 19004 Leg 4 Station # 19.15 Depth m:19 Time: 1990-06-06 08:33
 Position: 3° 6.59'N 50° 18.81'W Depth Deck Offset: -0.20 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.774	26.065	15.765	0.0000	4.489	10.2	3.3
1.0	27.774	26.065	15.765	0.0208	4.489	10.2	3.3
2.0	27.779	26.302	15.941	0.0326	5.902	19.2	3.2
3.0	27.794	26.327	15.955	0.0443	5.962	21.3	3.3
4.0	27.800	26.327	15.953	0.0560	5.870	21.3	3.3
5.0	27.815	26.343	15.960	0.0677	5.899	22.2	3.3
6.0	27.839	26.537	16.098	0.0794	5.904	21.6	3.4
7.0	27.777	28.597	17.661	0.0902	5.479	19.0	5.9
8.0	27.430	32.645	20.811	0.0987	4.747	13.1	10.3
9.0	27.334	33.698	21.633	0.1053	4.309	10.0	25.8
10.0	27.309	33.960	21.838	0.1115	4.067	11.4	56.7
11.0	27.300	34.162	21.993	0.1174	3.971	11.8	45.2
12.0	27.286	34.270	22.079	0.1233	3.801	10.8	42.4
13.0	27.278	34.322	22.120	0.1291	3.912	11.5	56.0
14.0	27.268	34.395	22.178	0.1348	3.998	13.2	110.6
15.0	27.270	34.387	22.172	0.1405	3.970	18.3	348.3
16.0	27.272	34.380	22.166	0.1463	3.904	27.2	519.0



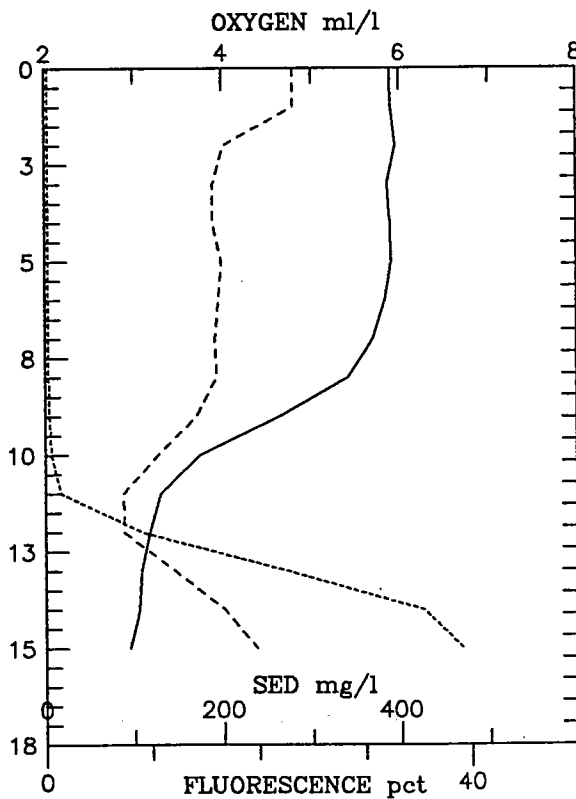
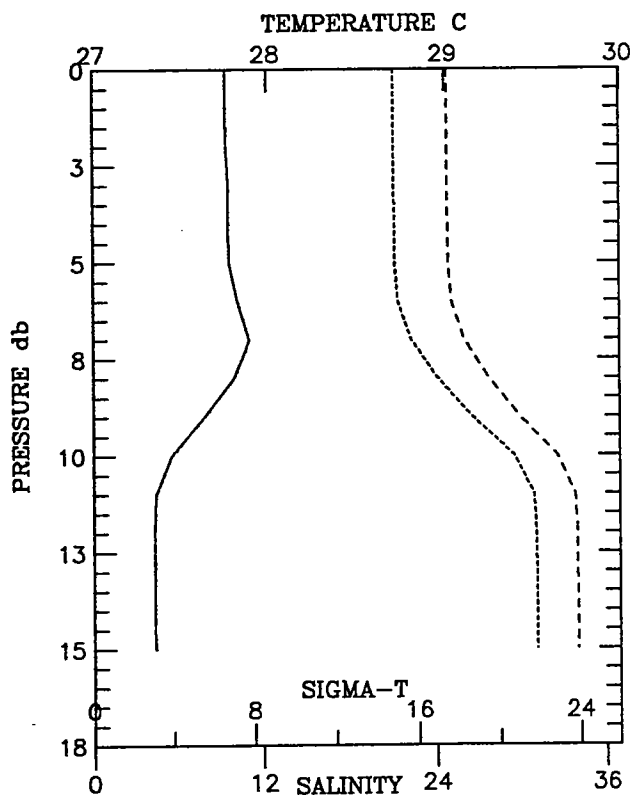
Cruise I9004 Leg 4 Station # 19.16 Depth m:19 Time: 1990-06-06 09:34
 Position: 3° 6.63'N 50° 18.84'W Depth Deck Offset: -0.20 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	27.703	14.902	7.448	0.0000	5.996	23.4	3.5
1.0	27.732	26.533	16.129	0.0158	5.889	20.7	3.2
2.0	27.737	26.536	16.130	0.0273	5.819	21.1	3.2
3.0	27.741	26.539	16.131	0.0388	5.810	20.8	3.2
4.0	27.745	26.548	16.136	0.0504	5.811	20.4	3.2
5.0	27.743	26.591	16.169	0.0619	5.719	19.3	3.1
6.0	27.738	26.674	16.233	0.0733	5.799	18.1	3.1
7.0	27.749	26.720	16.264	0.0848	5.725	17.1	3.1
8.0	27.750	26.740	16.279	0.0962	5.784	16.6	3.1
9.0	27.754	26.888	16.388	0.1075	5.678	15.8	3.2
10.0	27.732	27.942	17.184	0.1184	5.528	14.9	4.1
11.0	27.652	30.037	18.781	0.1281	4.911	14.5	6.4
12.0	27.425	32.756	20.896	0.1361	4.346	11.4	7.7
13.0	27.321	34.039	21.893	0.1426	3.726	8.6	20.0
14.0	27.301	34.242	22.053	0.1485	3.433	10.1	41.0
15.0	27.296	34.265	22.072	0.1543	3.441	12.7	81.3
16.0	27.294	34.269	22.075	0.1601	3.482	15.9	105.3
17.0	27.295	34.254	22.064	0.1659	3.499	19.3	307.5



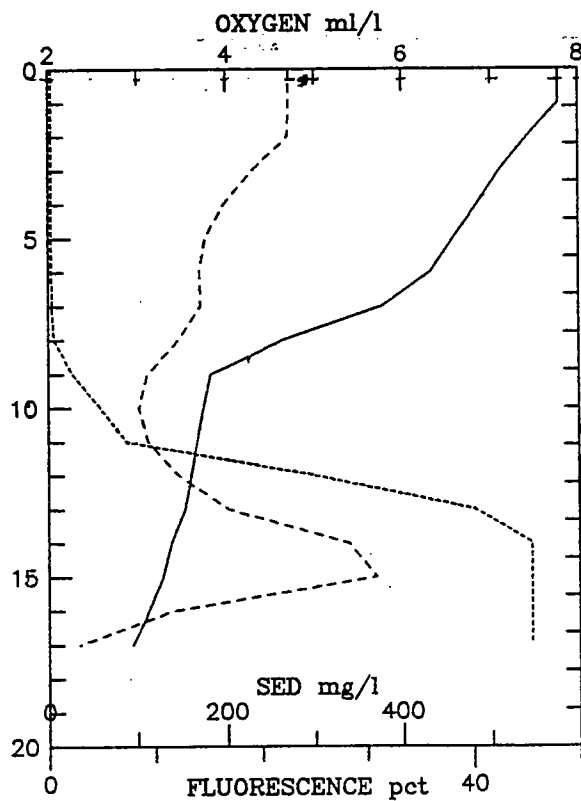
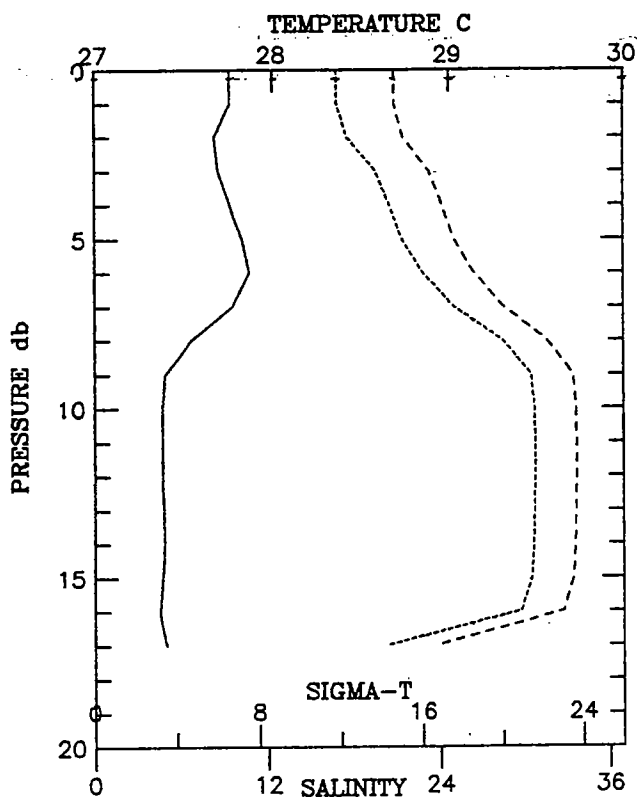
Cruise 19004 Leg 4 Station # 19.18 Depth m:19 Time: 1990-06-06 11:55
 Position: 3° 6.69'N 50° 18.80'W Depth Deck Offset: -0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.768	24.846	14.854	0.0000	5.899	23.3	3.4
1.0		27.767	24.846	14.854	0.0128	5.900	23.3	3.4
2.0		27.772	24.854	14.859	0.0255	5.957	16.8	3.1
3.0		27.781	24.860	14.861	0.0383	5.859	15.8	3.1
4.0		27.784	24.879	14.874	0.0511	5.895	15.8	3.1
5.0		27.785	24.896	14.886	0.0638	5.903	16.6	3.1
6.0		27.833	25.113	15.034	0.0765	5.832	16.3	3.1
7.0		27.898	25.994	15.673	0.0888	5.694	16.0	3.1
8.0		27.812	27.707	16.983	0.1001	5.405	16.1	3.4
9.0		27.643	29.877	18.664	0.1100	4.642	14.2	4.4
10.0		27.452	32.527	20.715	0.1181	3.741	10.6	6.3
11.0		27.363	33.788	21.691	0.1247	3.298	7.3	17.3
12.0		27.353	33.928	21.800	0.1309	3.177	7.4	109.6
13.0		27.353	33.943	21.811	0.1369	3.084	12.2	271.5
14.0		27.354	33.947	21.814	0.1430	3.051	16.8	425.2
15.0		27.355	33.951	21.816	0.1491	2.954	19.8	469.7



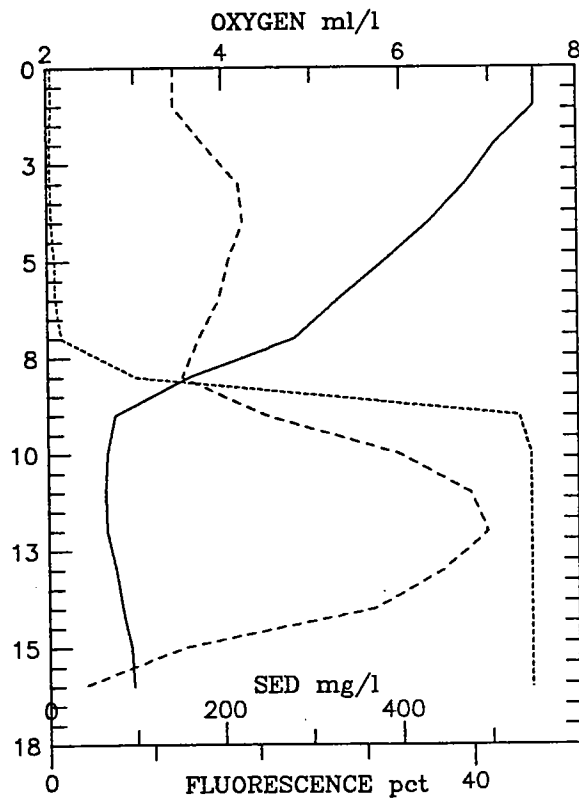
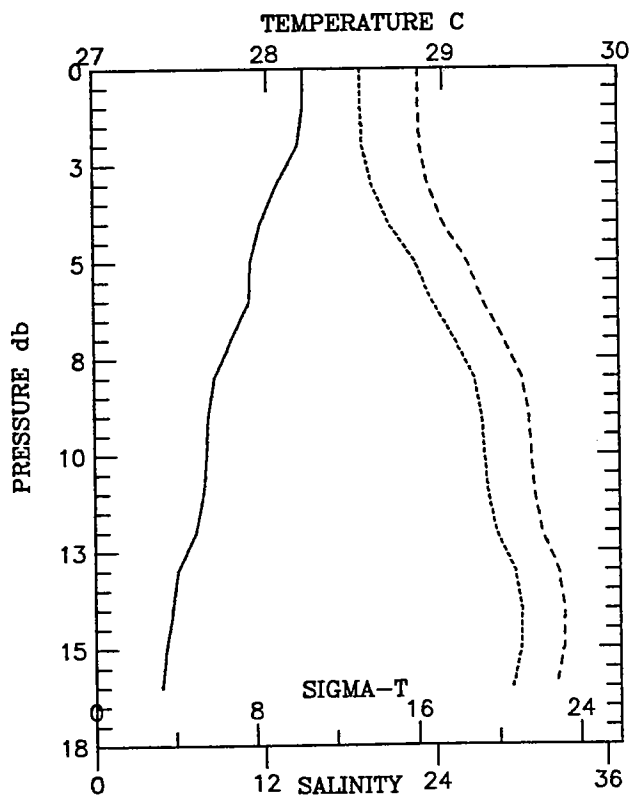
Cruise 19004 Leg 4 Station # 19.19 Depth m:18 Time: 1990-06-06 12:37
 Position: 3° 6.74'N 50° 18.80'W Depth Deck Offset: 0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.760	20.770	11.810	0.0000	7.770	3.3
1.0		27.760	20.770	11.810	0.0157	7.771	3.3
2.0		27.674	21.384	12.294	0.0312	7.427	3.2
3.0		27.695	23.232	13.670	0.0458	7.105	3.1
4.0		27.763	24.175	14.355	0.0594	6.852	3.1
5.0		27.829	25.023	14.968	0.0724	6.580	3.2
6.0		27.871	26.435	16.012	0.0845	6.329	3.4
7.0		27.770	28.482	17.577	0.0954	5.782	4.0
8.0		27.545	31.590	19.981	0.1044	4.643	6.3
9.0		27.398	33.424	21.407	0.1115	3.826	27.1
10.0		27.384	33.632	21.567	0.1179	3.743	58.2
11.0		27.381	33.683	21.606	0.1242	3.673	87.8
12.0		27.381	33.695	21.615	0.1304	3.601	300.0
13.0		27.391	33.624	21.559	0.1367	3.530	481.6
14.0		27.395	33.569	21.516	0.1431	3.377	545.5
15.0		27.383	33.439	21.423	0.1494	3.283	545.5
16.0		27.368	32.734	20.897	0.1561	3.126	545.5
17.0		27.406	23.888	14.250	0.1663	2.942	545.5



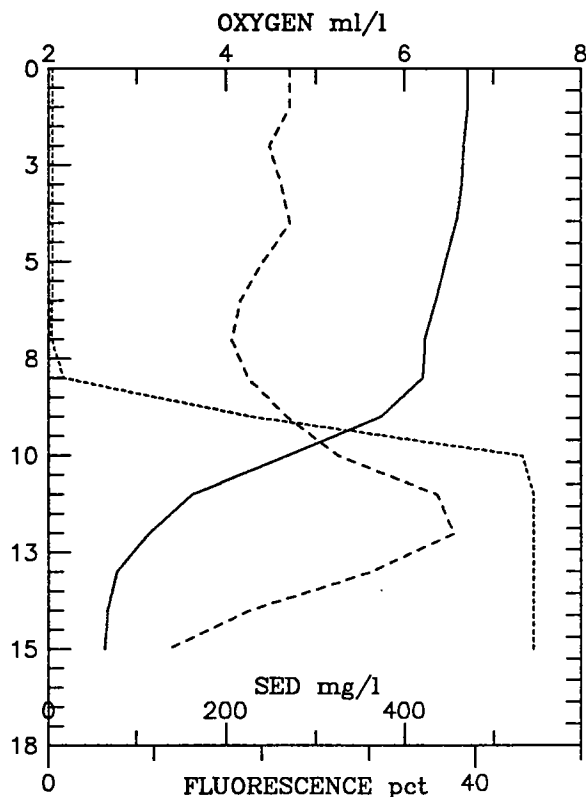
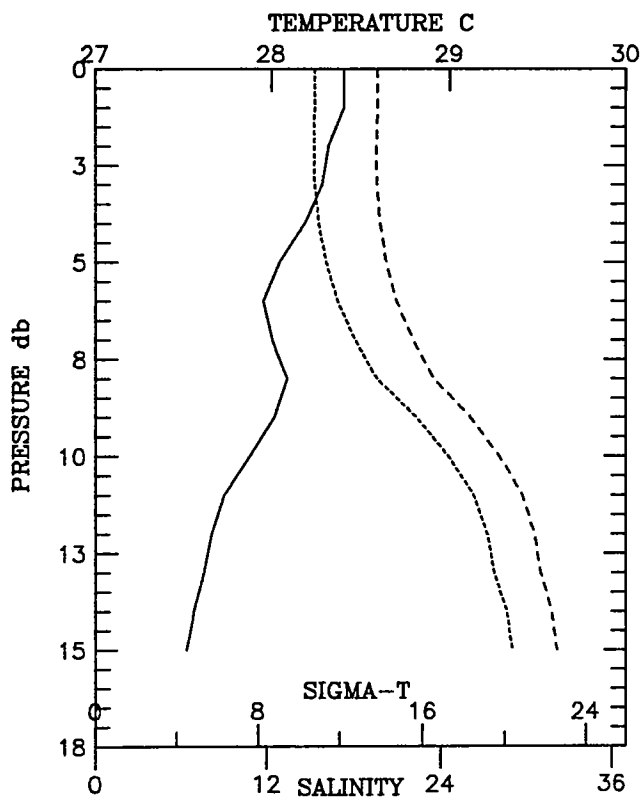
Cruise I9004 Leg 4 Station # 19.20 Depth m:18 Time: 1990-06-06 13:39
 Position: 3° 6.95'N 50° 18.71'W Depth Deck Offset: 0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.207	22.983	13.324	0.0000	7.511	12.1	4.9
1.0		28.207	22.983	13.324	0.0146	7.511	12.1	4.9
2.0		28.176	23.061	13.392	0.0288	7.061	15.0	3.3
3.0		28.055	23.603	13.835	0.0428	6.734	18.2	3.5
4.0		27.962	24.660	14.655	0.0562	6.316	18.6	4.6
5.0		27.904	26.353	15.940	0.0685	5.815	17.2	8.0
6.0		27.897	27.423	16.744	0.0799	5.295	16.3	8.9
7.0		27.790	28.854	17.849	0.0903	4.815	14.4	15.8
8.0		27.690	30.107	18.822	0.0997	3.620	12.8	100.7
9.0		27.657	30.582	19.189	0.1084	2.767	20.7	532.1
10.0		27.644	30.751	19.320	0.1169	2.674	33.2	545.5
11.0		27.627	30.961	19.482	0.1253	2.647	39.8	545.5
12.0		27.581	31.473	19.881	0.1334	2.667	41.4	545.5
13.0		27.477	32.618	20.775	0.1409	2.766	37.2	545.5
14.0		27.442	33.012	21.083	0.1478	2.843	30.8	545.5
15.0		27.409	32.949	21.046	0.1546	2.938	12.8	545.5
16.0		27.382	32.383	20.629	0.1616	2.962	3.0	545.5



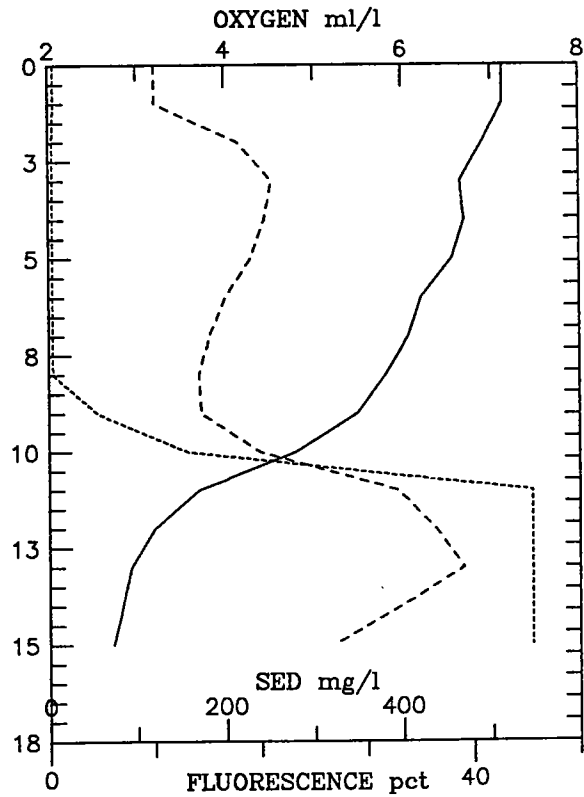
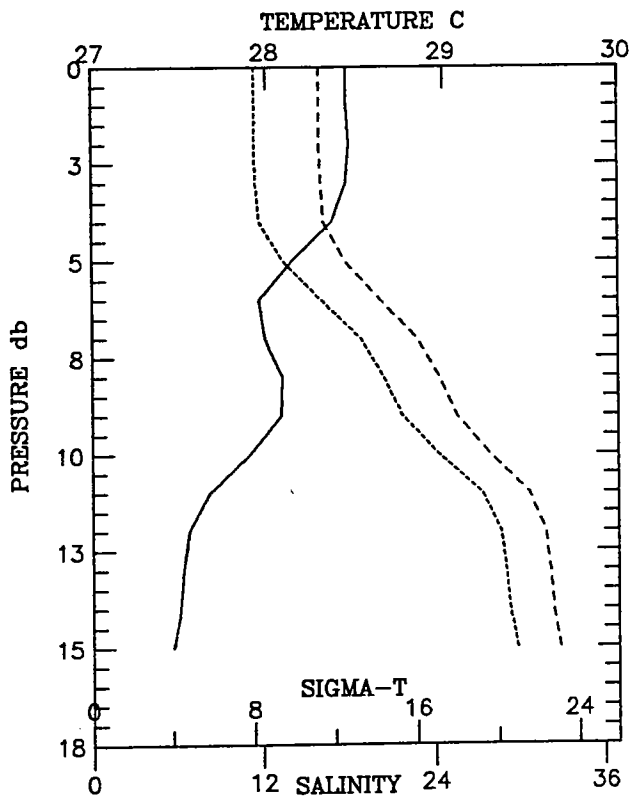
Cruise I9004 Leg 4 Station # 19.21 Depth m:17 Time: 1990-06-06 14:39
 Position: 3° 7.09'N 50° 17.97'W Depth Deck Offset: 0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)	
0.0	E	28.407	19.657	10.779	0.0000	6.712	22.6	3.6
1.0		28.407	19.657	10.779	0.0167	6.712	22.6	3.6
2.0		28.322	19.575	10.744	0.0335	6.671	20.7	3.6
3.0		28.285	19.601	10.775	0.0503	6.647	21.8	3.6
4.0		28.188	19.837	10.981	0.0669	6.577	22.6	3.6
5.0		28.046	20.246	11.330	0.0833	6.462	20.1	3.6
6.0		27.954	20.965	11.896	0.0992	6.353	18.0	3.6
7.0		28.004	22.110	12.735	0.1144	6.228	17.2	3.5
8.0		28.087	23.538	13.776	0.1288	6.206	18.7	16.7
9.0		28.016	26.084	15.703	0.1416	5.737	22.3	228.0
10.0		27.878	28.095	17.253	0.1528	4.685	27.1	532.1
11.0		27.733	29.692	18.496	0.1627	3.623	36.4	545.5
12.0		27.665	30.545	19.159	0.1716	3.148	38.0	545.5
13.0		27.620	30.972	19.492	0.1801	2.780	30.1	545.5
14.0		27.559	31.762	20.105	0.1881	2.674	18.8	545.5
15.0		27.520	32.106	20.377	0.1957	2.645	11.3	545.5



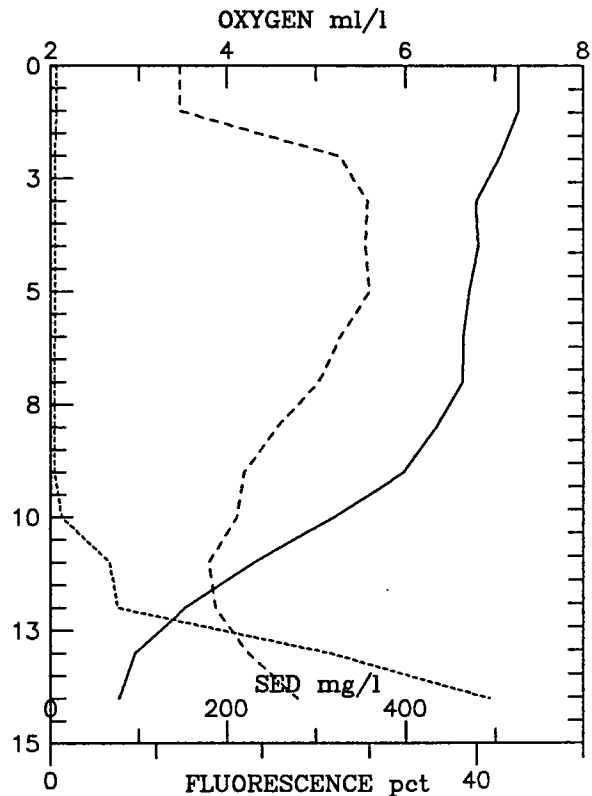
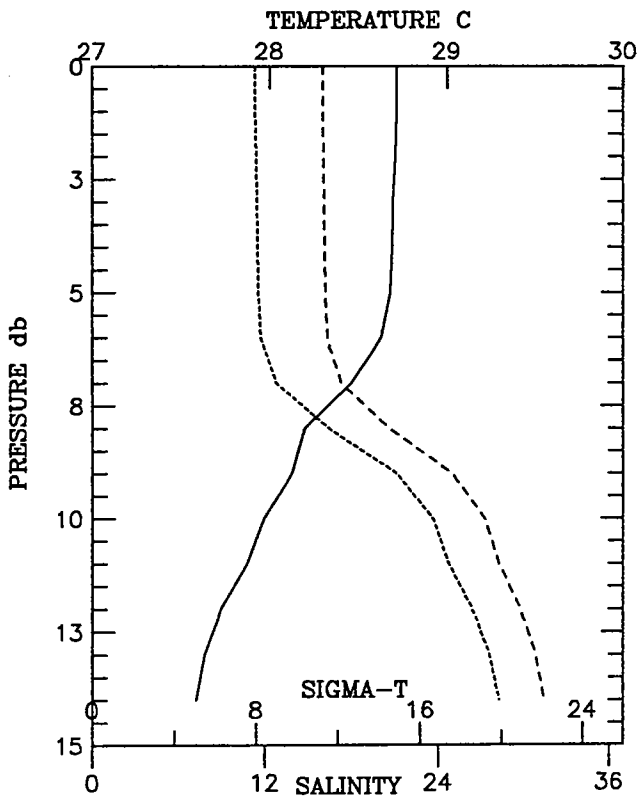
Cruise 19004 Leg 4 Station # 19.22 Depth m:17 Time: 1990-06-06 15:33
 Position: 3° 7.00'N 50° 18.72'W Depth Deck Offset: 0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.456	16.073	8.091	0.0000	7.136	10.1
1.0		28.456	16.073	8.091	0.0194	7.136	10.1
2.0		28.469	16.079	8.092	0.0387	6.908	17.9
3.0		28.452	16.152	8.152	0.0581	6.660	21.1
4.0		28.373	16.353	8.326	0.0773	6.702	20.4
5.0		28.147	17.808	9.480	0.0959	6.565	19.1
6.0		27.959	20.244	11.355	0.1130	6.218	16.7
7.0		27.988	22.820	13.271	0.1282	6.071	15.2
8.0		28.089	24.354	14.386	0.1420	5.817	14.2
9.0		28.080	25.584	15.308	0.1548	5.494	14.4
10.0		27.904	27.866	17.073	0.1663	4.798	19.9
11.0		27.671	30.621	19.213	0.1758	3.701	32.9
12.0		27.556	31.778	20.119	0.1840	3.197	36.4
13.0		27.526	32.106	20.375	0.1915	2.931	39.1
14.0		27.505	32.350	20.565	0.1989	2.824	33.2
15.0		27.465	32.805	20.920	0.2060	2.723	26.8



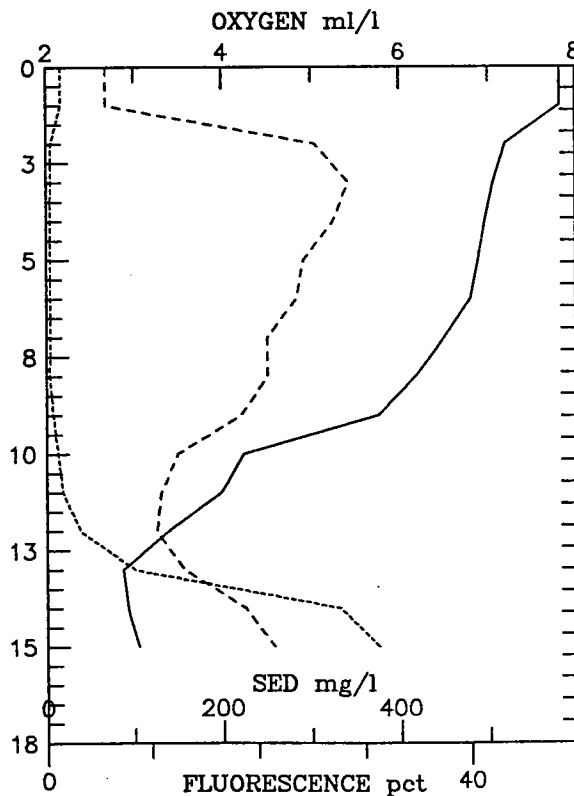
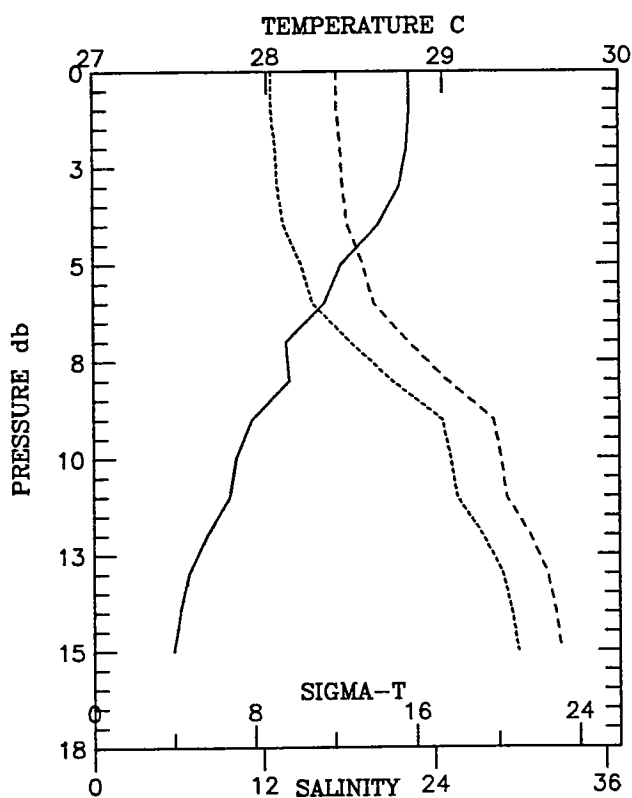
Cruise 19004 Leg 4 Station # 19.23 Depth m:17 Time: 1990-06-06 16:31
 Position: 3° 7.00'N 50° 18.72'W Depth Deck Offset: 0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.714	16.000	7.957	0.0000	7.263	12.2	6.1
1.0		28.714	16.000	7.957	0.0196	7.263	12.2	6.1
2.0		28.706	16.063	8.007	0.0390	7.059	27.2	4.7
3.0		28.694	16.117	8.051	0.0585	6.792	29.8	4.6
4.0		28.690	16.146	8.074	0.0779	6.816	29.6	4.6
5.0		28.677	16.200	8.118	0.0973	6.711	30.0	4.6
6.0		28.625	16.339	8.237	0.1166	6.643	27.3	4.5
7.0		28.461	17.290	8.997	0.1354	6.638	25.3	4.2
8.0		28.197	20.622	11.564	0.1527	6.338	21.4	3.9
9.0		28.123	24.987	14.849	0.1670	5.975	18.3	3.8
10.0		27.970	27.293	16.623	0.1789	5.202	17.6	12.3
11.0		27.872	28.279	17.392	0.1896	4.312	15.0	66.5
12.0		27.725	29.790	18.573	0.1994	3.525	15.6	76.2
13.0		27.633	30.867	19.409	0.2082	2.959	18.7	315.3
14.0		27.585	31.471	19.879	0.2163	2.774	23.3	493.7



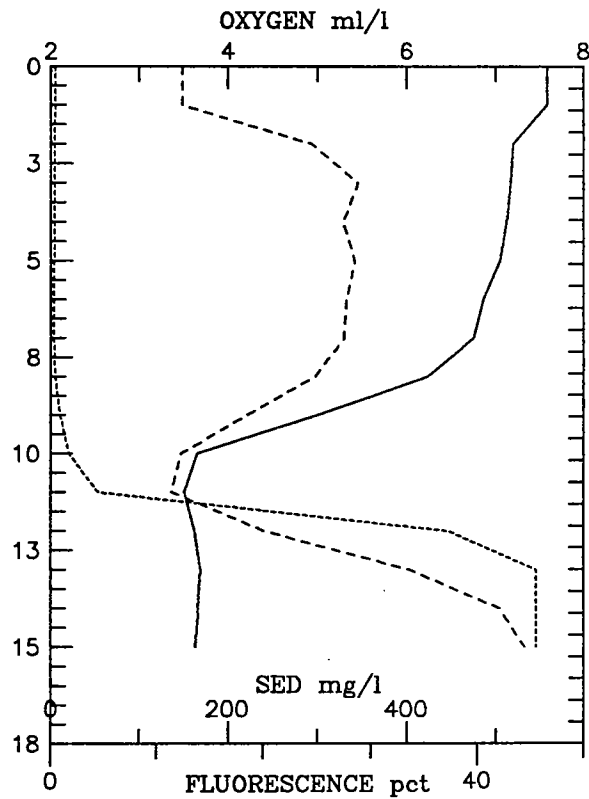
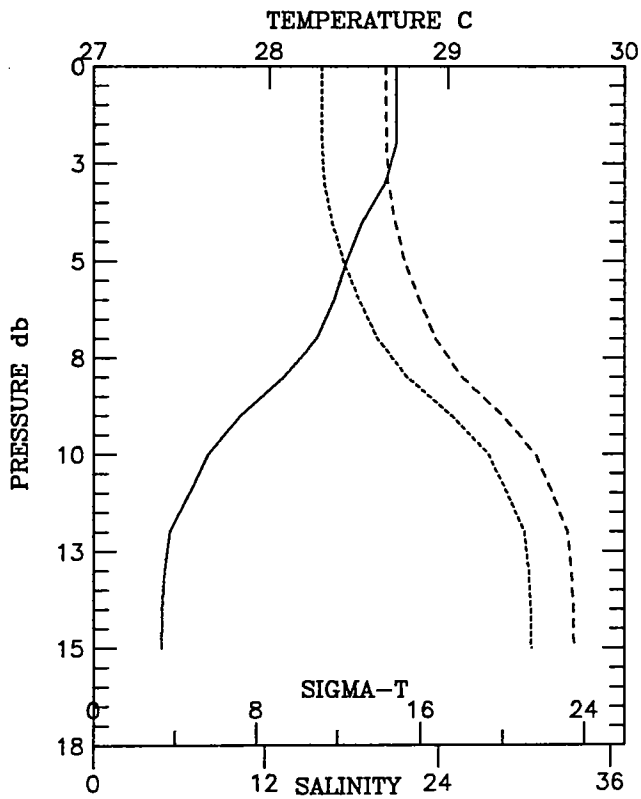
Cruise 19004 Leg 4 Station # 19.24 Depth m:17 Time: 1990-06-06 17:32
 Position: 3° 6.98'N 50° 18.76'W Depth Deck Offset: 0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.811	17.302	8.897	0.0000	7.827	5.7	16.3
1.0		28.811	17.302	8.897	0.0189	7.827	5.7	16.3
2.0		28.799	17.563	9.095	0.0374	7.198	25.4	4.8
3.0		28.754	17.677	9.195	0.0557	7.061	28.5	4.5
4.0		28.629	18.052	9.512	0.0738	6.966	27.1	4.4
5.0		28.425	19.097	10.355	0.0914	6.884	24.3	4.2
6.0		28.329	19.811	10.918	0.1083	6.802	23.6	4.1
7.0		28.105	22.222	12.788	0.1240	6.504	20.9	3.8
8.0		28.124	24.947	14.819	0.1378	6.182	20.9	3.5
9.0		27.909	28.146	17.281	0.1494	5.761	18.4	7.1
10.0		27.820	28.665	17.698	0.1596	4.238	12.5	12.5
11.0		27.783	29.044	17.994	0.1695	3.980	10.9	18.0
12.0		27.650	30.684	19.268	0.1786	3.390	10.5	38.3
13.0		27.547	31.913	20.223	0.1867	2.869	13.1	101.1
14.0		27.494	32.481	20.667	0.1940	2.926	18.8	331.4
15.0		27.459	32.864	20.966	0.2011	3.054	21.5	375.4



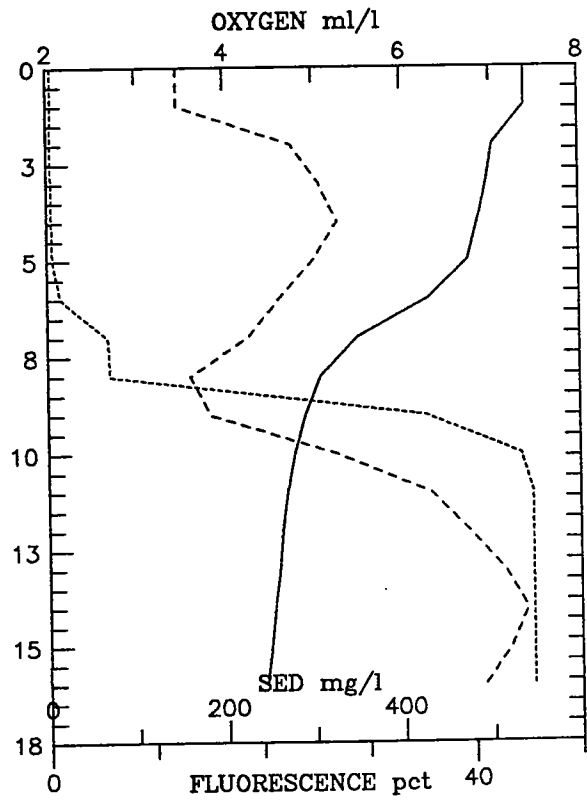
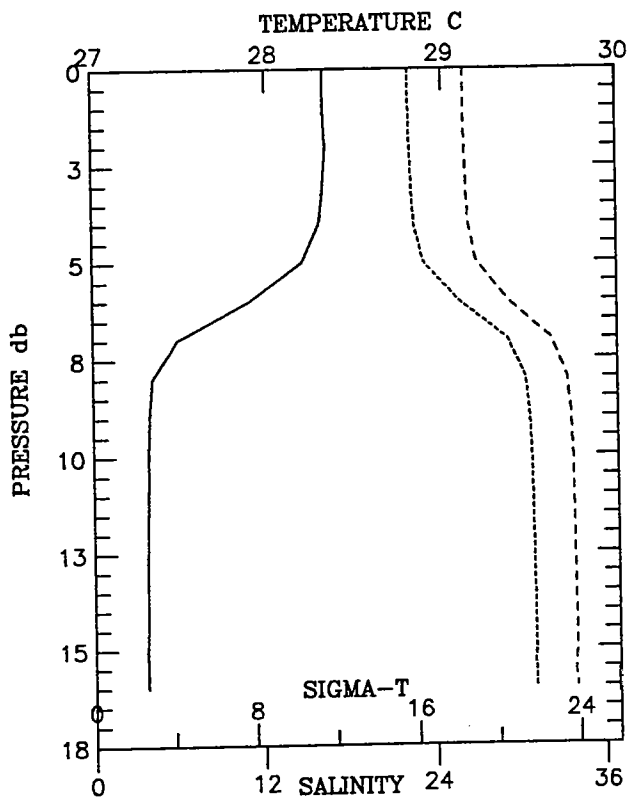
Cruise I9004 Leg 4 Station # 19.25 Depth m:19 Time: 1990-06-06 18:35
 Position: 3° 6.97'N 50° 18.92'W Depth Deck Offset: 0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.712	20.385	11.226	0.0000	7.581	12.4	4.9
1.0	28.712	20.385	11.226	0.0163	7.581	12.4	4.9
2.0	28.709	20.412	11.247	0.0326	7.197	24.5	3.7
3.0	28.649	20.527	11.352	0.0488	7.169	28.8	3.7
4.0	28.521	20.999	11.744	0.0648	7.130	27.4	3.7
5.0	28.435	21.677	12.277	0.0803	7.052	28.5	3.6
6.0	28.365	22.665	13.037	0.0952	6.864	27.7	3.5
7.0	28.265	23.796	13.913	0.1093	6.759	27.5	3.4
8.0	28.082	25.619	15.334	0.1223	6.241	24.8	4.9
9.0	27.838	28.418	17.507	0.1336	5.006	18.5	10.5
10.0	27.651	30.719	19.293	0.1429	3.659	12.3	20.7
11.0	27.545	31.899	20.213	0.1510	3.508	11.4	53.9
12.0	27.433	32.969	21.053	0.1582	3.626	20.1	446.9
13.0	27.403	33.252	21.276	0.1649	3.691	33.7	545.5
14.0	27.391	33.369	21.368	0.1714	3.663	42.1	545.5
15.0	27.386	33.413	21.402	0.1779	3.636	44.4	545.5



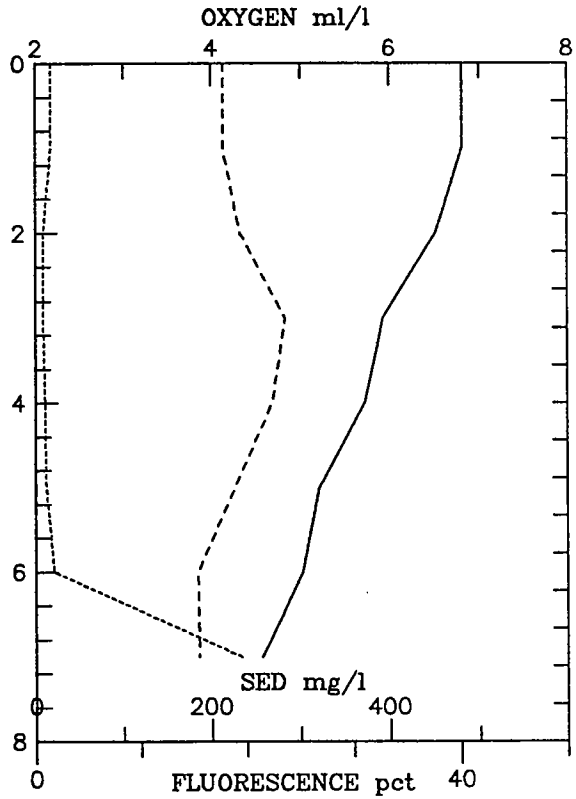
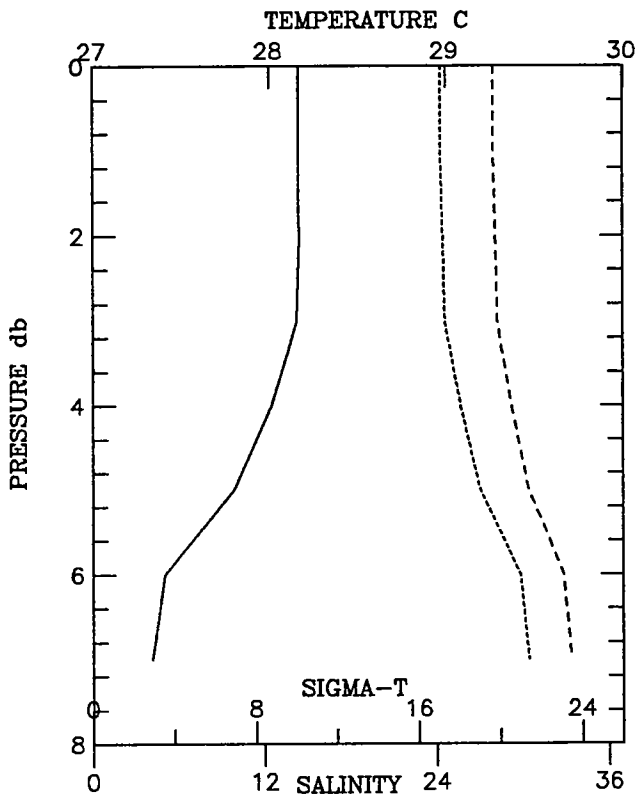
Cruise 19004 Leg 4 Station # 19.26 Depth m:19 Time: 1990-06-06 19:30
 Position: 3° 7.10'N 50° 19.61'W Depth Deck Offset: 0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.331	26.236	15.717	0.0000	7.393	12.3
1.0		28.331	26.236	15.717	0.0119	7.393	12.3
2.0		28.342	26.298	15.760	0.0238	7.032	23.0
3.0		28.330	26.383	15.827	0.0357	6.959	25.6
4.0		28.302	26.509	15.930	0.0475	6.856	27.3
5.0		28.205	27.071	16.382	0.0590	6.750	25.0
6.0		27.904	29.246	18.107	0.0694	6.304	21.8
7.0		27.488	32.307	20.538	0.0779	5.500	18.8
8.0		27.344	33.407	21.411	0.0848	5.073	13.4
9.0		27.324	33.659	21.606	0.0911	4.900	15.3
10.0		27.317	33.756	21.682	0.0973	4.776	27.1
11.0		27.313	33.802	21.718	0.1035	4.686	36.0
12.0		27.310	33.831	21.741	0.1097	4.634	39.5
13.0		27.307	33.862	21.765	0.1158	4.595	42.8
14.0		27.304	33.901	21.795	0.1219	4.533	44.9
15.0		27.303	33.918	21.808	0.1280	4.494	43.4
16.0		27.303	33.910	21.802	0.1340	4.436	40.9



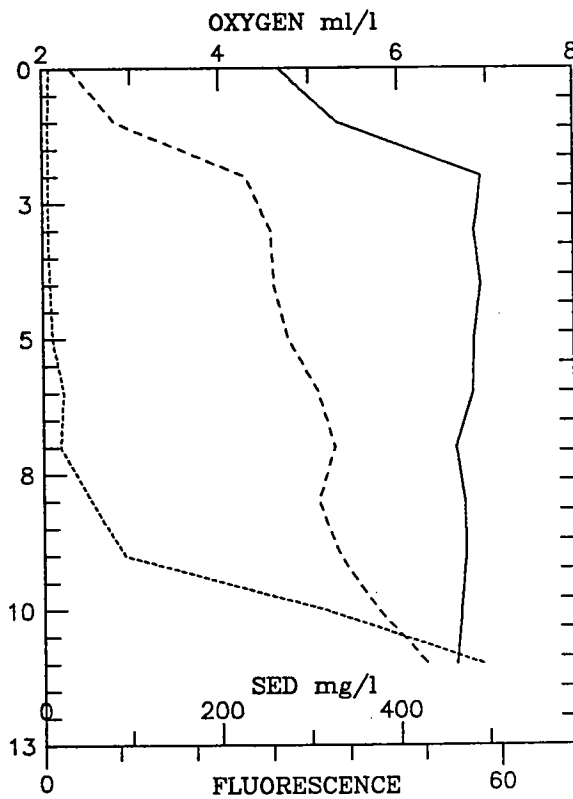
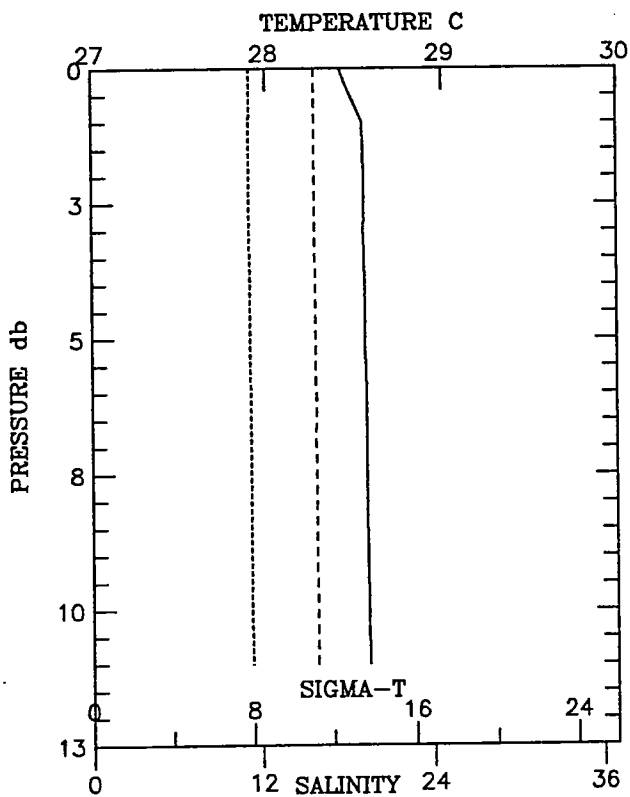
Cruise 19004 Leg 4 Station # 19.27 Depth m:20 Time: 1990-06-06 20:17
 Position: 3° 7.10'N 50° 19.61'W Depth Deck Offset: 0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.168	28.000	17.089	0.0000	6.816	17.8	17.0
1.0	28.168	28.000	17.089	0.0108	6.816	17.8	17.0
2.0	28.171	28.155	17.205	0.0213	6.516	19.4	8.5
3.0	28.158	28.280	17.302	0.0318	5.926	23.6	8.5
4.0	28.010	29.228	18.060	0.0418	5.723	22.4	10.2
5.0	27.802	30.418	19.019	0.0510	5.212	18.9	11.7
6.0	27.408	32.845	20.968	0.0588	5.025	15.4	20.5
7.0	27.335	33.370	21.385	0.0655	4.575	15.5	233.8



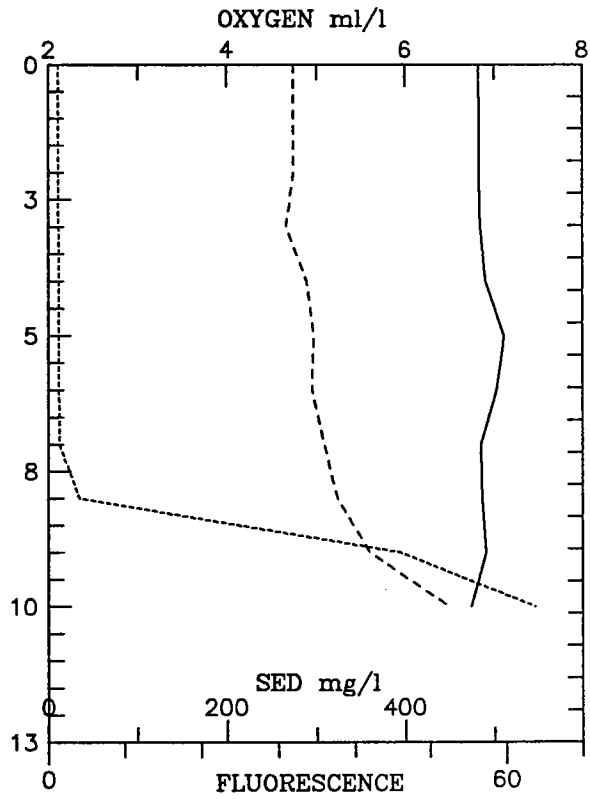
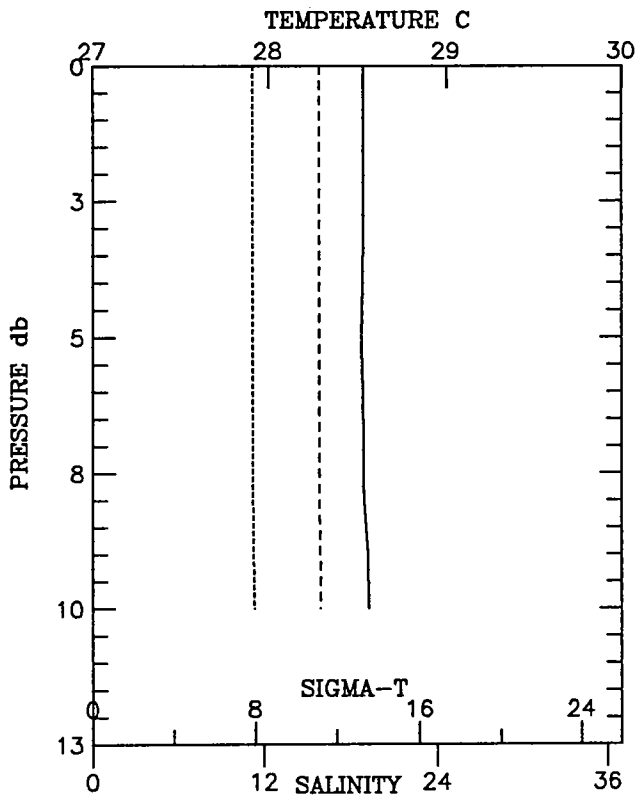
Cruise I9004 Leg 4 Station # 20.01 Depth m:14 Time: 1990-06-06 23:20
 Position: 2° 53.71'N 50° 43.14'W Depth Deck Offset: 0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	28.427	15.783	7.884	0.0000	4.668	3.7	7.6
1.0	28.553	15.815	7.869	0.0196	5.317	9.7	6.4
2.0	28.560	15.816	7.868	0.0392	6.939	26.7	6.0
3.0	28.559	15.813	7.866	0.0588	6.859	30.0	5.9
4.0	28.564	15.833	7.879	0.0784	6.928	30.4	7.9
5.0	28.565	15.841	7.885	0.0980	6.847	32.2	10.4
6.0	28.570	15.866	7.902	0.1175	6.832	36.1	22.8
7.0	28.571	15.865	7.901	0.1371	6.650	38.2	19.2
8.0	28.573	15.882	7.913	0.1567	6.744	36.1	54.1
9.0	28.577	15.899	7.924	0.1762	6.750	38.8	92.0
10.0	28.581	15.915	7.935	0.1957	6.692	43.8	315.3
11.0	28.583	15.925	7.942	0.2153	6.641	50.3	493.7



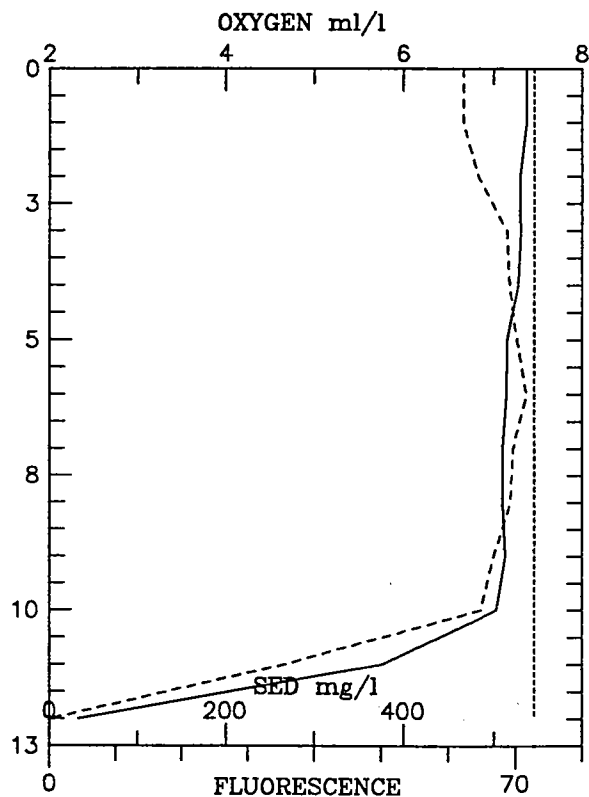
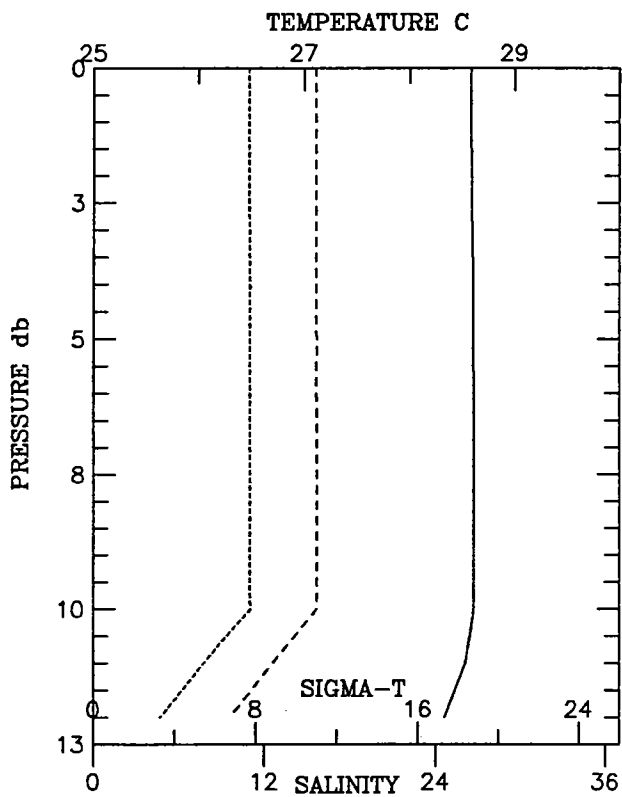
Cruise 19004 Leg 4 Station # 20.02 Depth m:13 Time: 1990-06-07 00:23
 Position: 2° 54.04'N 50° 43.02'W Depth Deck Offset: 0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.533	15.837	7.892	0.0000	6.831	32.0	11.0
1.0	E	28.533	15.837	7.892	0.0196	6.832	32.0	11.0
2.0		28.532	15.837	7.892	0.0391	6.832	32.0	11.0
3.0		28.532	15.837	7.892	0.0587	6.850	31.0	11.0
4.0		28.530	15.836	7.892	0.0783	6.909	33.7	11.2
5.0		28.522	15.837	7.895	0.0979	7.111	34.6	11.3
6.0		28.528	15.837	7.893	0.1174	7.031	34.4	11.5
7.0		28.533	15.837	7.892	0.1370	6.859	36.0	12.3
8.0		28.536	15.842	7.895	0.1566	6.869	37.7	34.2
9.0		28.559	15.899	7.930	0.1761	6.914	42.0	394.5
10.0		28.560	15.949	7.967	0.1957	6.745	52.5	545.5



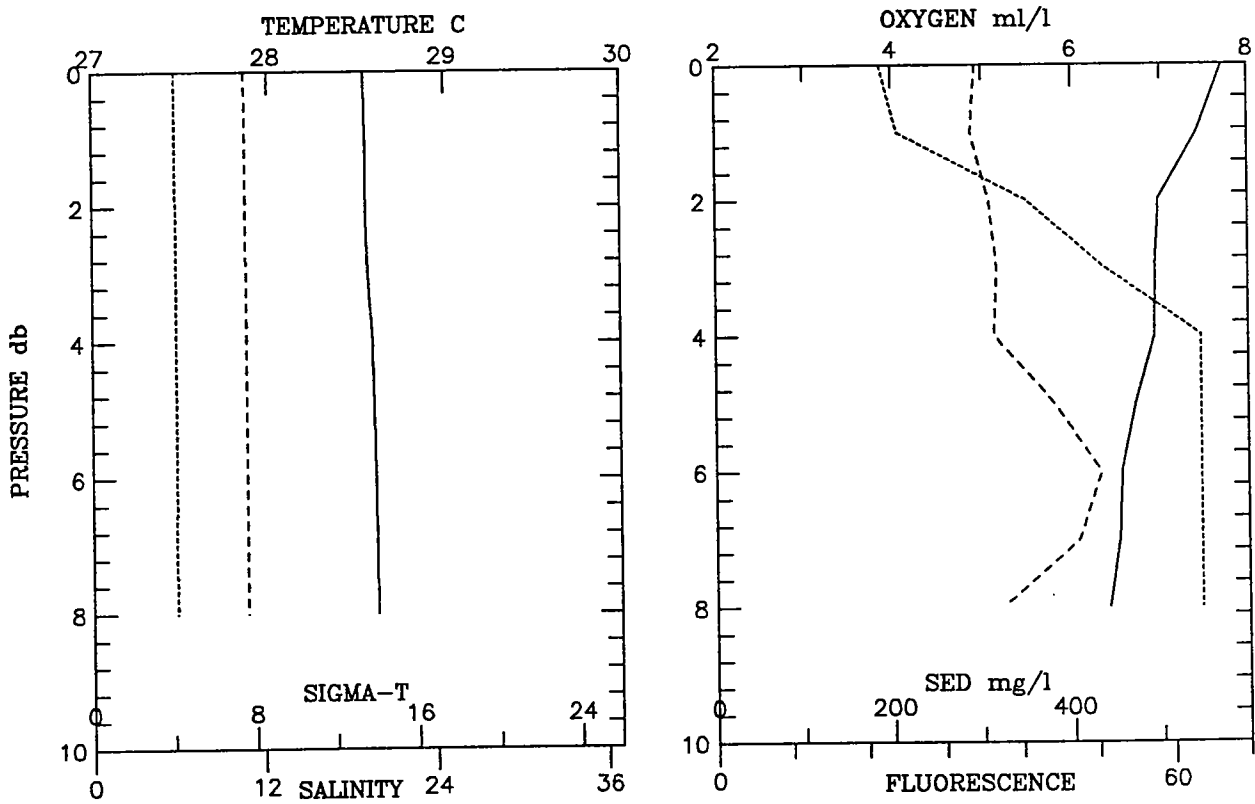
Cruise 19004 Leg 4 Station # 20.03 Depth m:13 Time: 1990-06-07 01:22
 Position: 2° 54.60'N 50° 42.84'W Depth Deck Offset: 0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)	
0.0	E	28.582	15.611	7.708	0.0000	7.371	62.2	545.5
1.0		28.582	15.611	7.708	0.0198	7.372	62.2	545.5
2.0		28.591	15.614	7.708	0.0395	7.301	64.5	545.5
3.0		28.597	15.621	7.711	0.0593	7.306	68.7	545.5
4.0		28.601	15.628	7.715	0.0790	7.280	69.1	545.5
5.0		28.605	15.638	7.721	0.0988	7.158	70.2	545.5
6.0		28.607	15.635	7.718	0.1185	7.151	71.6	545.5
7.0		28.608	15.656	7.734	0.1382	7.105	69.6	545.5
8.0		28.609	15.656	7.734	0.1580	7.104	69.2	545.5
9.0		28.610	15.666	7.741	0.1777	7.134	66.7	545.5
10.0		28.610	15.677	7.749	0.1974	7.029	64.8	545.5
11.0		28.530	12.552	5.446	0.2183	5.758	35.6	545.5
12.0		28.332	9.616	3.320	0.2413	2.332	0.1	545.5



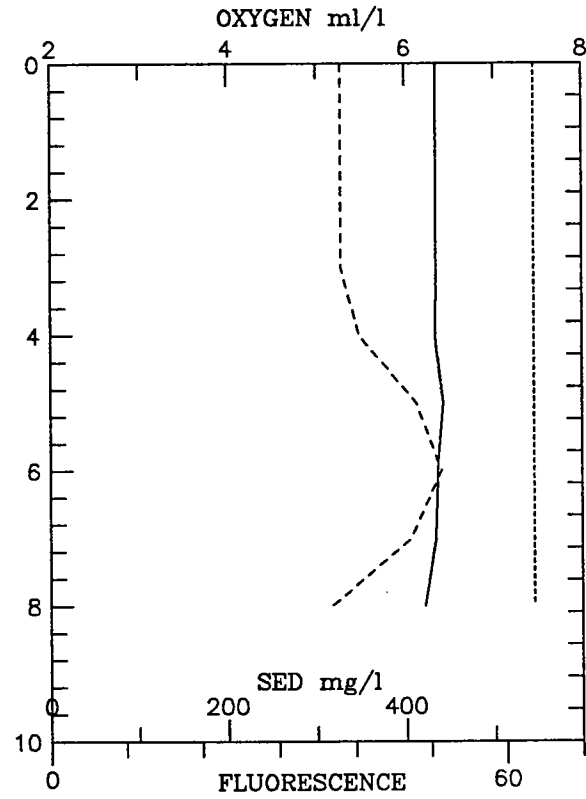
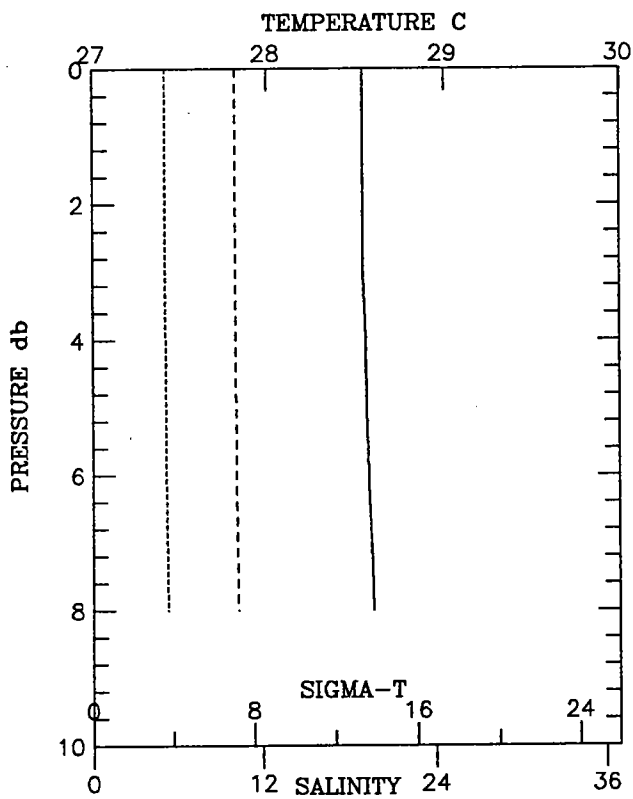
Cruise 19004 Leg 4 Station # 20.04 Depth m:10 Time: 1990-06-07 02:34
 Position: 2° 55.42'N 50° 42.54'W Depth Deck Offset: 0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	28.550	10.751	4.100	0.0000	7.717	34.2	186.8
1.0	28.558	10.760	4.104	0.0233	7.421	33.6	206.4
2.0	28.558	10.780	4.119	0.0466	6.977	35.9	348.3
3.0	28.569	10.797	4.128	0.0699	6.940	36.9	435.9
4.0	28.592	10.798	4.122	0.0932	6.927	36.5	545.5
5.0	* 28.601	10.799	4.120	0.1165	6.715	44.3	545.5
6.0	28.608	10.800	4.118	0.1398	6.550	50.4	545.5
7.0	28.612	10.800	4.117	0.1631	6.520	47.5	545.5
8.0	28.616	10.802	4.118	0.1864	6.409	37.5	545.5



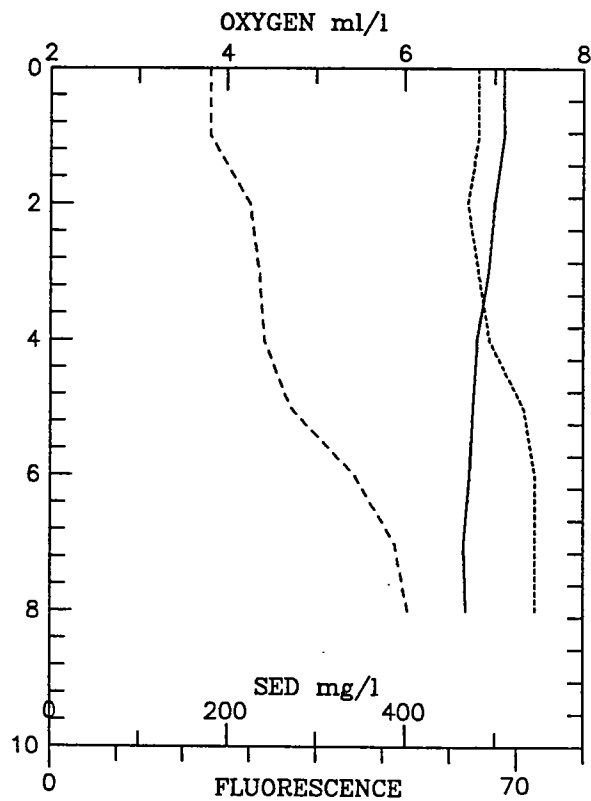
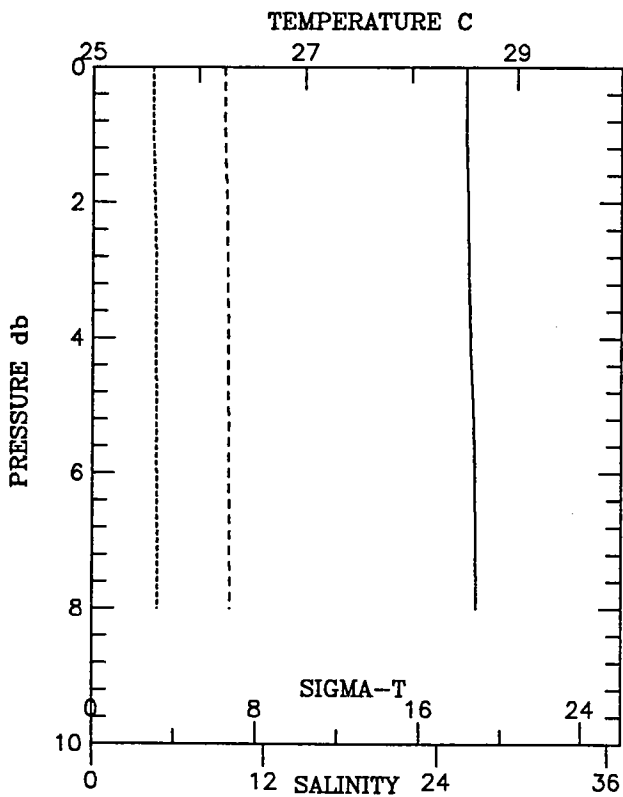
Cruise 19004 Leg 4 Station # 20.05 Depth m:12 Time: 1990-06-07 03:24
 Position: 2° 55.68'N 50° 42.44'W Depth Deck Offset: 0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.544	10.128	3.637	0.0000	6.349	38.2	545.5
1.0	E	28.544	10.127	3.637	0.0238	6.350	38.2	545.5
2.0	E	28.544	10.127	3.637	0.0476	6.351	38.2	545.5
3.0		28.543	10.127	3.637	0.0713	6.351	38.2	545.5
4.0		28.557	10.143	3.645	0.0951	6.338	40.6	545.5
5.0		28.562	10.164	3.659	0.1189	6.426	48.1	545.5
6.0		28.571	10.192	3.677	0.1426	6.366	51.4	545.5
7.0		28.586	10.242	3.710	0.1663	6.339	47.4	545.5
8.0		28.597	10.302	3.751	0.1900	6.215	37.0	545.5



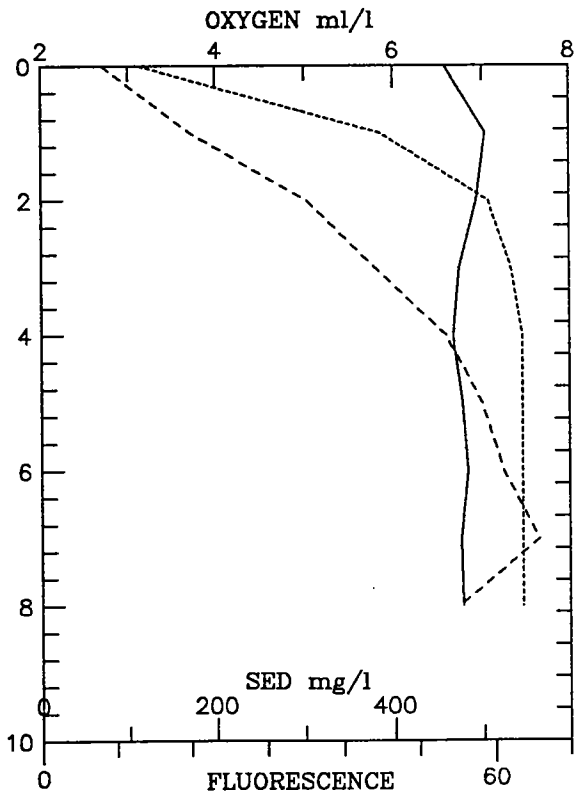
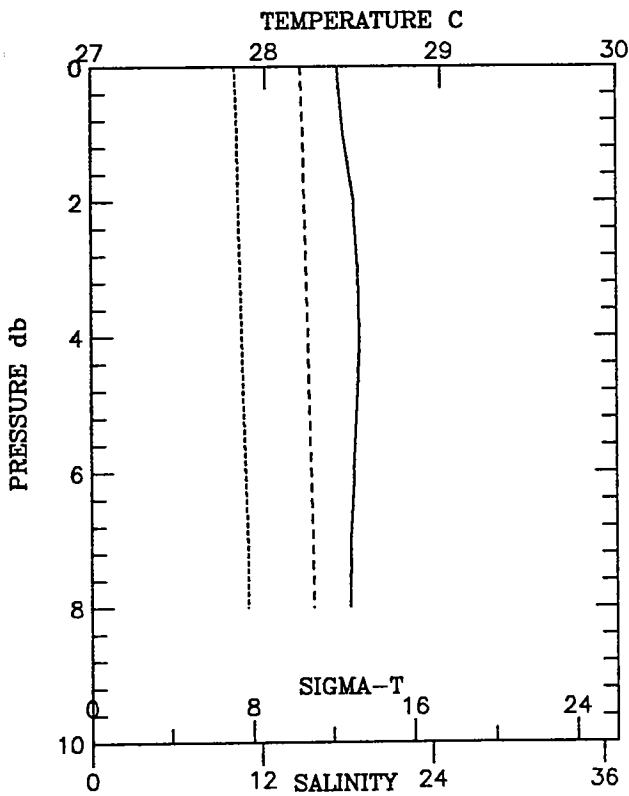
Cruise I9004 Leg 4 Station # 20.06 Depth m:10 Time: 1990-06-07 04:22
 Position: 2° 55.66'N 50° 42.47'W Depth Deck Offset: 0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.518	9.220	2.970	0.0000	7.108	24.1	481.6
1.0		28.518	9.220	2.970	0.0244	7.109	24.1	481.6
2.0		28.537	9.356	3.065	0.0488	7.000	30.1	469.7
3.0		28.540	9.439	3.126	0.0731	6.940	31.5	481.6
4.0		28.558	9.459	3.136	0.0974	6.807	32.3	493.7
5.0		28.582	9.487	3.149	0.1217	6.761	36.2	532.1
6.0		28.604	9.528	3.173	0.1459	6.728	45.8	545.5
7.0		28.611	9.574	3.206	0.1702	6.659	51.8	545.5
8.0		28.616	9.602	3.225	0.1944	6.685	53.8	545.5



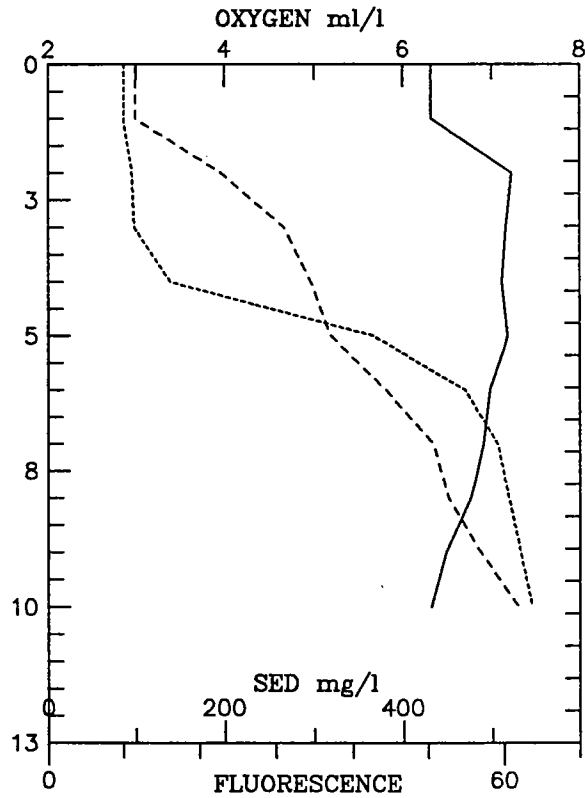
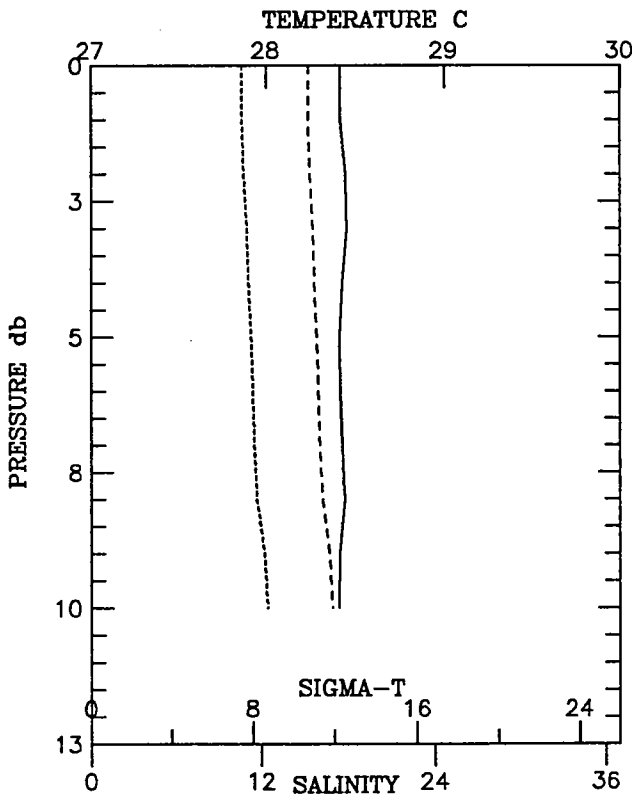
Cruise 19004 Leg 4 Station # 20.07 Depth m:11 Time: 1990-06-07 05:23
 Position: 2° 55.60'N 50° 44.48'W Depth Deck Offset: 0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	28.416	14.825	7.174	0.0000	6.577	8.2	112.5
1.0	28.449	14.988	7.285	0.0202	7.035	20.0	384.8
2.0	28.507	15.071	7.329	0.0404	6.936	35.3	506.2
3.0	28.530	15.185	7.407	0.0605	6.744	44.3	532.1
4.0	28.535	15.288	7.482	0.0805	6.675	53.6	545.5
5.0	28.523	15.384	7.557	0.1004	6.773	58.3	545.5
6.0	28.503	15.506	7.654	0.1203	6.838	61.2	545.5
7.0	28.485	15.626	7.750	0.1400	6.759	65.9	545.5
8.0	28.482	15.647	7.766	0.1597	6.780	55.3	545.5



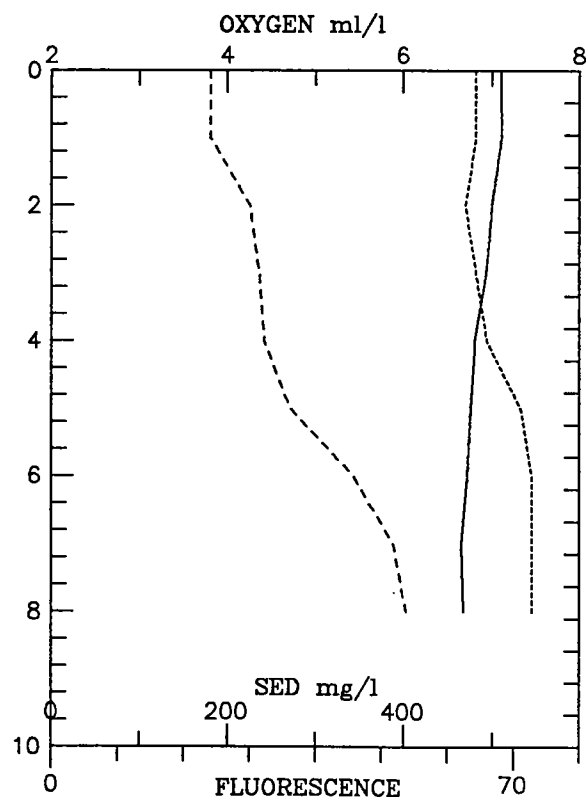
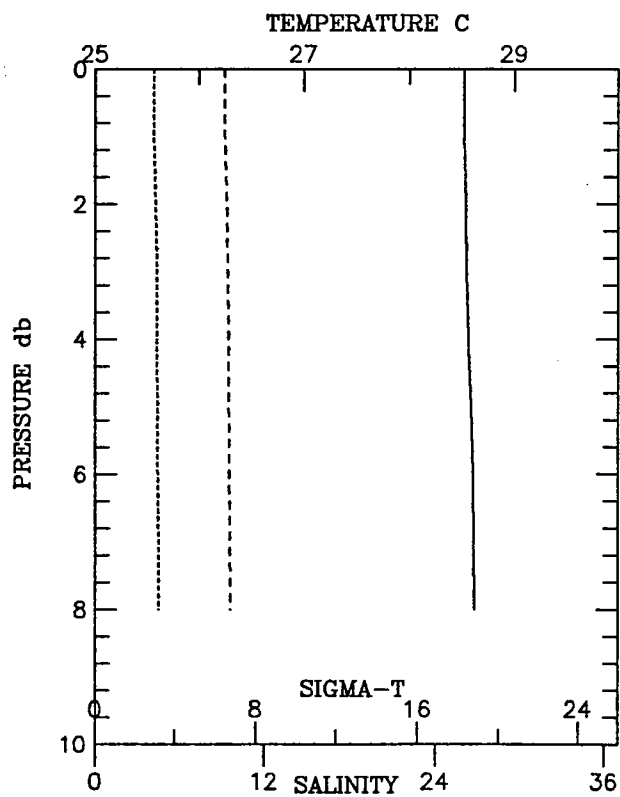
Cruise I9004 Leg 4 Station # 20.08 Depth m:12 Time: 1990-06-07 06:22
 Position: 2° 55.60'N 50° 42.47'W Depth Deck Offset: 0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.417	15.237	7.481	0.0000	6.320	11.6	85.9
1.0		28.416	15.237	7.481	0.0200	6.321	11.6	85.9
2.0		28.444	15.364	7.567	0.0399	7.226	22.9	95.2
3.0		28.452	15.582	7.727	0.0597	7.160	31.1	97.7
4.0		28.426	15.670	7.800	0.0794	7.117	34.6	138.5
5.0		28.411	15.846	7.936	0.0990	7.181	37.2	366.1
6.0		28.415	15.953	8.015	0.1185	6.978	44.4	469.7
7.0		28.428	16.054	8.086	0.1379	6.904	50.7	506.2
8.0		28.441	16.236	8.218	0.1573	6.765	52.7	519.0
9.0		28.413	16.713	8.582	0.1763	6.483	56.9	532.1
10.0		28.409	16.924	8.740	0.1951	6.315	61.9	545.5



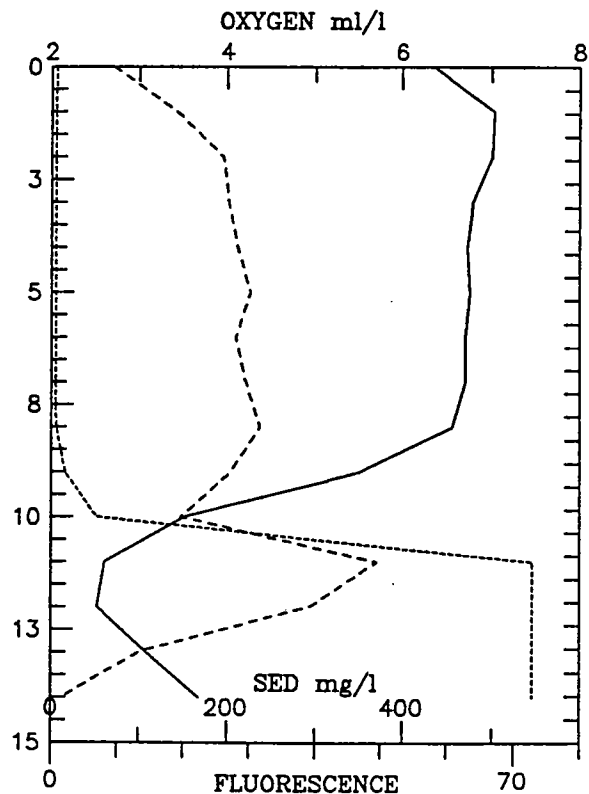
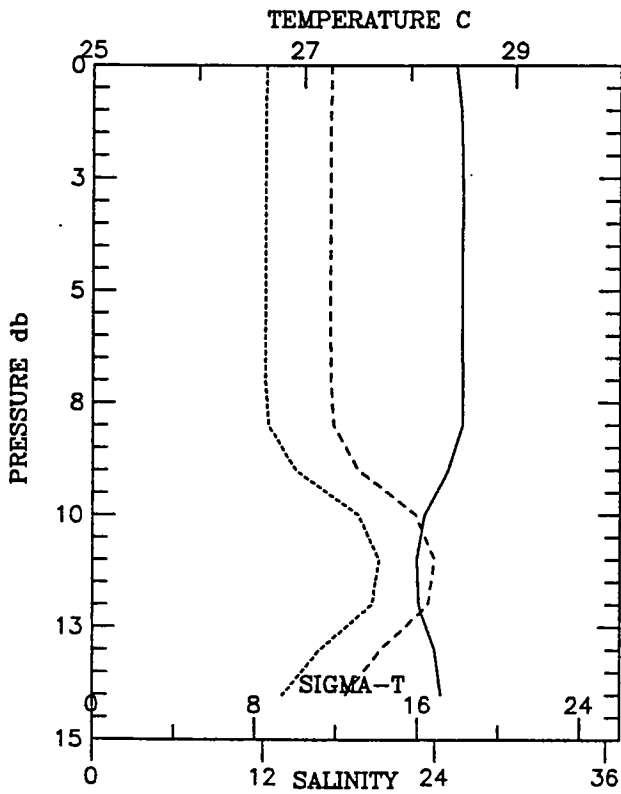
Cruise 19004 Leg 4 Station # 20.09 Depth m:11 Time: 1990-06-07 07:28
 Position: 2° 55.60'N 50° 42.47'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.441	15.936	7.994	0.0000	7.240	14.2	30.2
1.0		28.441	15.936	7.994	0.0196	7.240	14.2	30.2
2.0		28.477	15.986	8.020	0.0391	7.071	29.3	35.0
3.0		28.501	16.099	8.097	0.0585	6.776	33.1	50.3
4.0		28.511	16.161	8.140	0.0778	6.809	34.7	55.8
5.0		28.520	16.374	8.296	0.0971	6.732	40.8	38.1
6.0		28.468	16.593	8.475	0.1162	6.525	41.5	35.9
7.0		28.424	16.706	8.573	0.1351	6.167	36.2	58.2
8.0		28.412	16.824	8.665	0.1540	6.025	36.1	72.7
9.0		28.378	17.632	9.277	0.1725	5.578	33.8	82.0
10.0		28.303	19.252	10.509	0.1901	4.435	34.2	228.0
11.0		28.228	20.677	11.595	0.2066	3.545	45.3	545.5



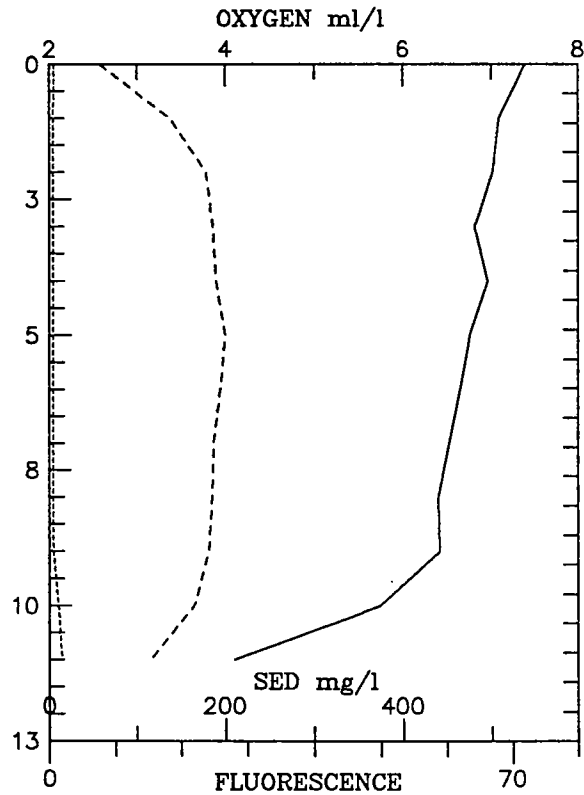
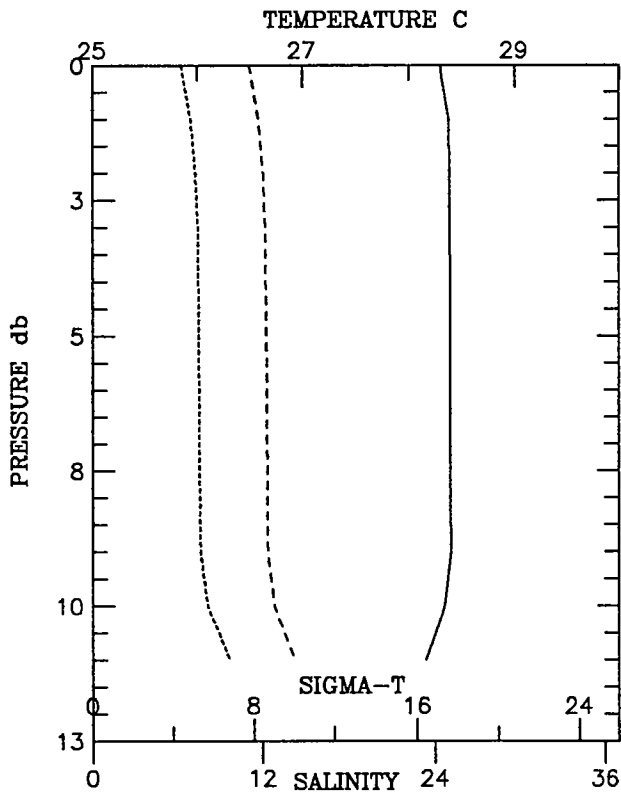
Cruise I9004 Leg 4 Station # 20.10 Depth m:14 Time: 1990-06-07 08:21
 Position: 2° 55.59'N 50° 42.47'W Depth Deck Offset: -0.13 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	28.438	16.636	8.517	0.0000	6.360	9.5	5.6
1.0	28.489	16.631	8.497	0.0190	7.028	19.0	4.5
2.0	28.497	16.631	8.495	0.0379	7.008	26.1	4.5
3.0	28.504	16.631	8.493	0.0569	6.792	26.9	4.5
4.0	28.502	16.630	8.492	0.0759	6.737	28.3	4.6
5.0	28.496	16.628	8.493	0.0949	6.766	30.2	4.5
6.0	28.501	16.630	8.493	0.1139	6.713	28.0	4.6
7.0	28.507	16.638	8.497	0.1329	6.711	29.5	4.6
8.0	28.503	16.849	8.655	0.1518	6.569	31.7	5.3
9.0	28.364	18.577	9.987	0.1699	5.496	27.2	15.6
10.0	28.139	22.615	13.070	0.1859	3.518	19.7	51.8
11.0	28.068	23.947	14.088	0.2000	2.618	49.4	545.5
12.0	28.088	23.506	13.752	0.2136	2.526	39.2	545.5
13.0	28.237	20.165	11.210	0.2287	3.082	13.4	545.5
14.0	28.299	17.731	9.375	0.2459	3.677	1.6	545.5



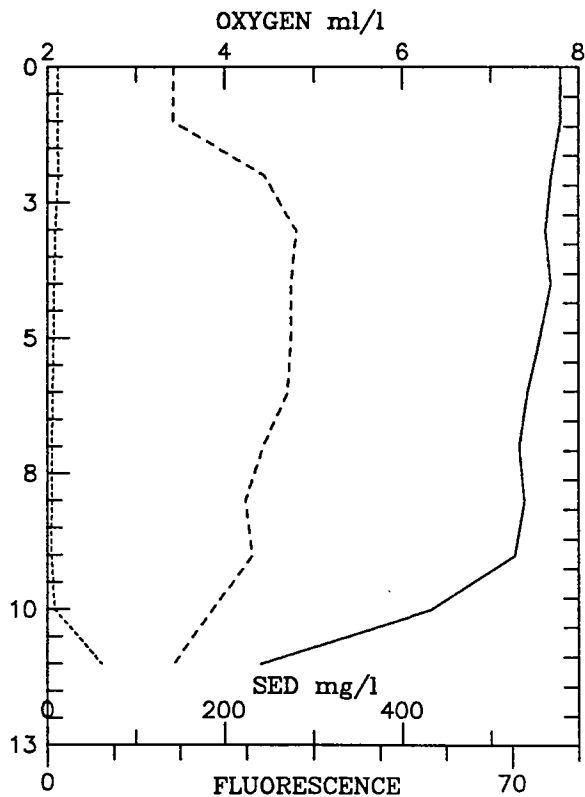
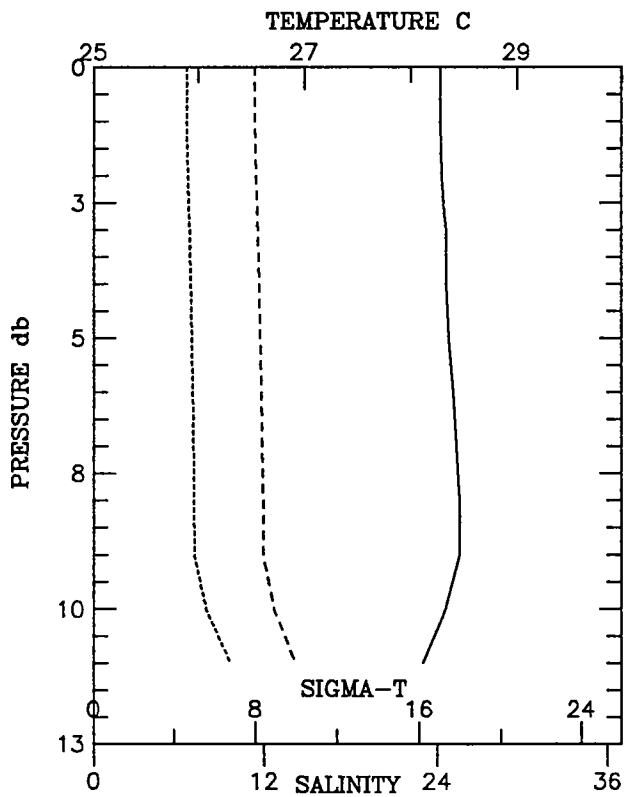
Cruise I9004 Leg 4 Station # 20.11 Depth m:15 Time: 1990-06-07 09:24
 Position: 2° 55.60'N 50° 42.49'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp (deg C)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0		28.302	11.069	4.411	0.0000	7.387	7.7	5.0
1.0		28.376	11.725	4.878	0.0228	7.088	18.3	4.3
2.0		28.385	12.047	5.114	0.0452	7.020	23.8	4.2
3.0		28.382	12.196	5.226	0.0675	6.811	24.8	4.2
4.0		28.390	12.231	5.250	0.0897	6.956	25.3	4.2
5.0		28.390	12.265	5.275	0.1118	6.754	26.6	4.2
6.0		28.388	12.290	5.294	0.1340	6.650	25.9	4.2
7.0		28.389	12.310	5.309	0.1561	6.524	24.9	4.2
8.0		28.393	12.328	5.321	0.1782	6.400	24.7	4.2
9.0		28.398	12.371	5.351	0.2003	6.414	24.2	4.5
10.0		28.337	12.831	5.713	0.2222	5.740	22.0	10.1
11.0		28.162	14.246	6.820	0.2434	4.105	15.4	14.4



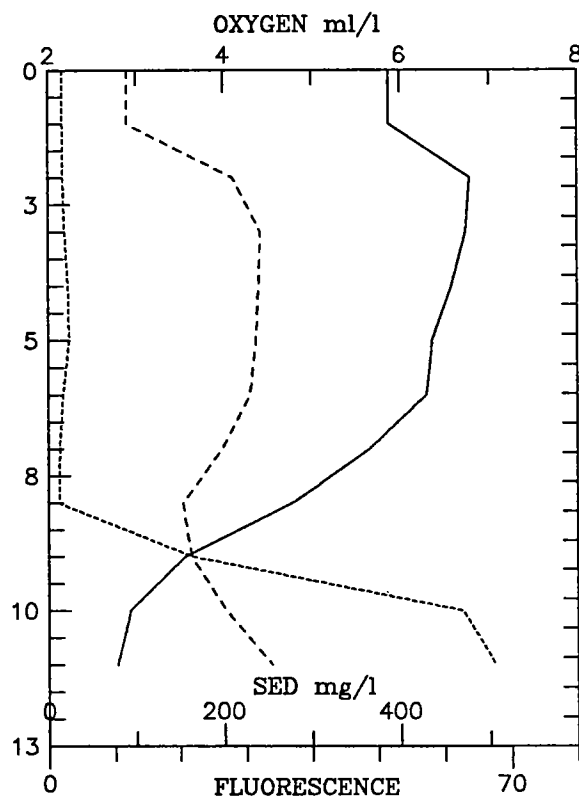
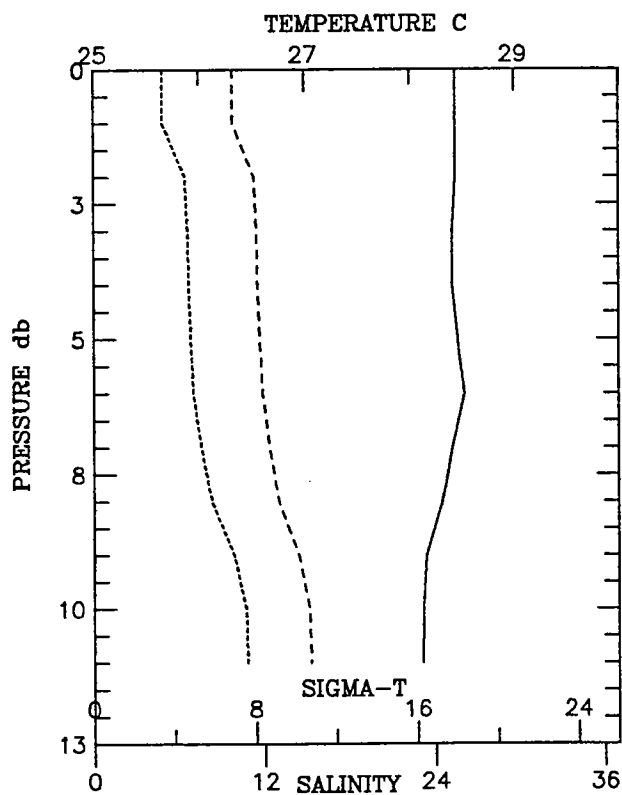
Cruise 19004 Leg 4 Station # 20.12 Depth m:14 Time: 1990-06-07 10:20
 Position: 2° 55.63'N 50° 42.43'W Depth Deck Offset: -0.13 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.273	11.351	4.630	0.0000	7.795	19.0	11.3
1.0	28.273	11.351	4.630	0.0236	7.795	19.0	11.3
2.0	28.287	11.444	4.695	0.0463	7.695	32.6	11.9
3.0	28.331	11.576	4.780	0.0690	7.627	37.4	8.7
4.0	28.331	11.654	4.839	0.0916	7.686	36.6	7.3
5.0	28.355	11.727	4.885	0.1142	7.560	36.6	6.7
6.0	28.398	11.809	4.934	0.1367	7.422	36.1	5.5
7.0	28.426	11.862	4.965	0.1592	7.328	32.5	4.9
8.0	28.456	11.916	4.996	0.1816	7.392	29.8	4.5
9.0	28.456	11.945	5.017	0.2041	7.282	30.9	4.4
10.0	28.325	12.669	5.596	0.2262	6.329	24.9	7.9
11.0	28.113	14.185	6.789	0.2474	4.412	19.1	61.5



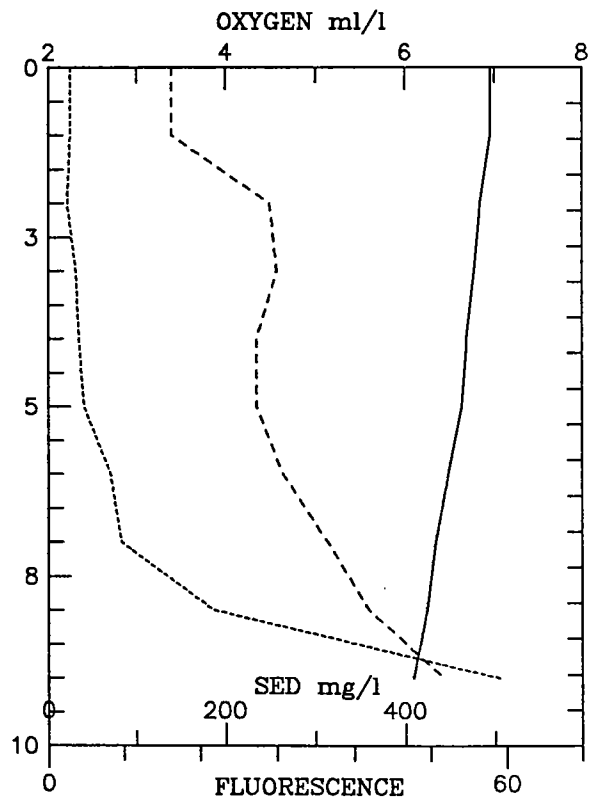
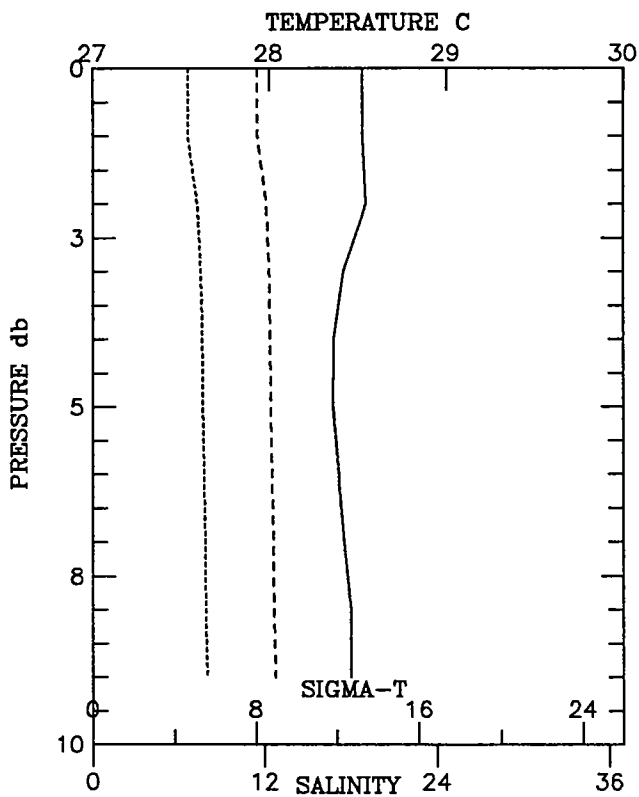
Cruise 19004 Leg 4 Station # 20.13 Depth m:14 Time: 1990-06-07 11:21
 Position: 2° 55.72'N 50° 42.40'W Depth Deck Offset: -0.13 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.441	9.803	3.427	0.0000	5.874	12.0	16.0
1.0		28.441	9.803	3.427	0.0270	5.874	12.0	16.0
2.0		28.440	11.289	4.534	0.0504	6.784	28.1	16.3
3.0		28.409	11.445	4.659	0.0732	6.743	32.3	18.3
4.0		28.412	11.511	4.708	0.0960	6.582	32.0	22.4
5.0		28.461	11.666	4.808	0.1186	6.363	31.6	23.5
6.0		28.523	11.868	4.940	0.1412	6.301	30.7	16.5
7.0		28.410	12.344	5.328	0.1635	5.657	26.4	12.4
8.0		28.309	12.998	5.846	0.1853	4.782	20.5	11.7
9.0		28.161	14.396	6.932	0.2064	3.562	21.8	164.9
10.0		28.128	15.155	7.508	0.2266	2.932	27.0	469.7
11.0		28.125	15.253	7.582	0.2466	2.781	33.9	506.2



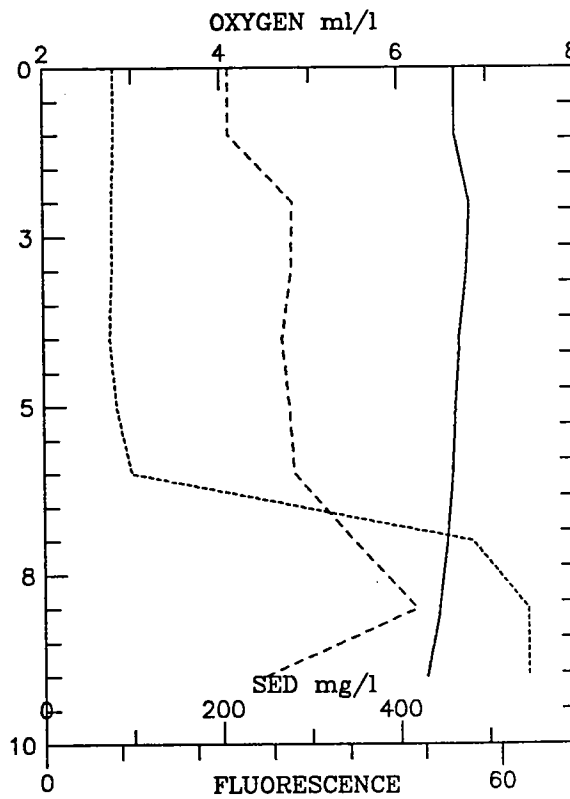
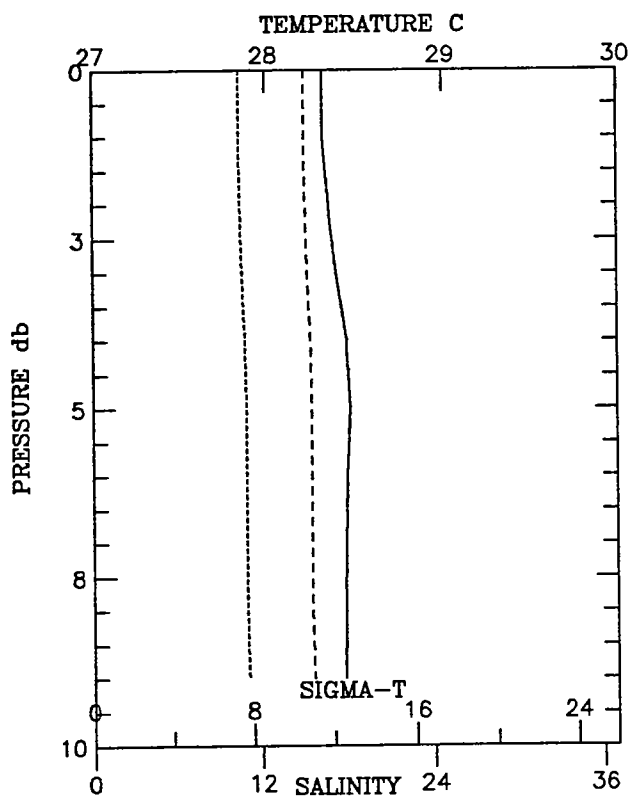
Cruise 19004 Leg 4 Station # 20.14 Depth m:12 Time: 1990-06-07 12:21
 Position: 2° 55.68'N 50° 42.41'W Depth Deck Offset: 0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.528	11.495	4.660	0.0000	6.961	16.3	24.2
1.0	28.528	11.495	4.660	0.0228	6.962	16.3	24.2
2.0	28.547	12.129	5.127	0.0453	6.842	29.1	21.2
3.0	28.419	12.314	5.303	0.0675	6.775	30.0	30.9
4.0	28.364	12.394	5.379	0.0896	6.692	27.4	34.4
5.0	28.362	12.428	5.405	0.1116	6.637	27.4	40.3
6.0	28.395	12.509	5.455	0.1336	6.485	30.8	70.3
7.0	28.424	12.607	5.520	0.1556	6.344	36.6	82.7
8.0	28.462	12.651	5.541	0.1775	6.246	42.0	186.8
9.0	28.464	12.754	5.617	0.1993	6.093	51.8	506.2



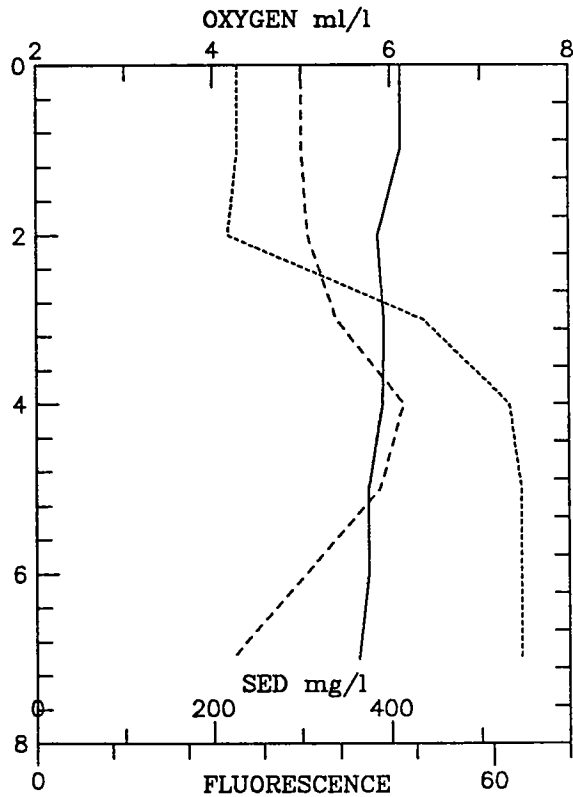
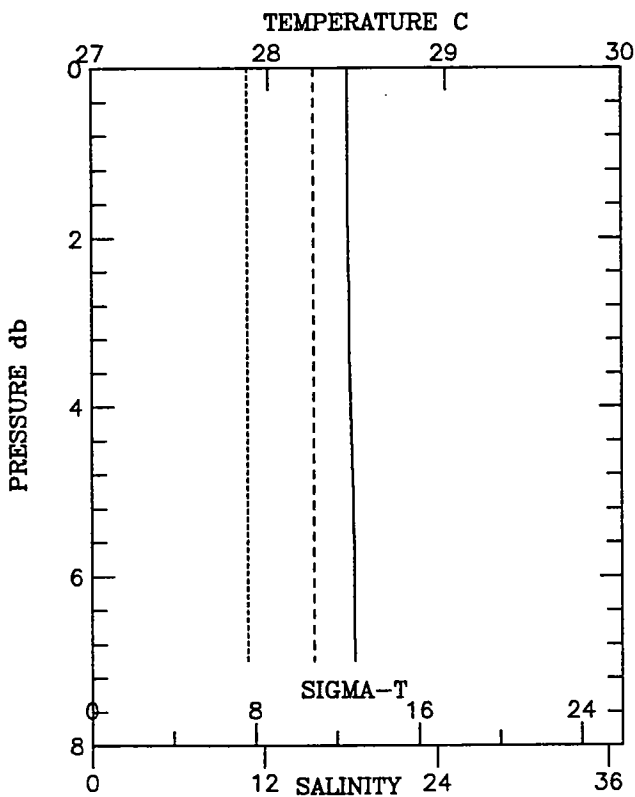
Cruise 19004 Leg 4 Station # 20.15 Depth m:11 Time: 1990-06-07 13:20
 Position: 2° 55.77'N 50° 42.45'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.327	15.064	7.379	0.0000	6.646	24.4	79.5
1.0		28.327	15.064	7.379	0.0201	6.647	24.4	79.5
2.0		28.361	15.135	7.422	0.0401	6.806	32.8	77.5
3.0		28.401	15.256	7.500	0.0601	6.781	32.6	77.2
4.0		28.461	15.459	7.632	0.0800	6.691	31.4	74.6
5.0		28.476	15.552	7.697	0.0998	6.643	32.3	81.6
6.0		28.458	15.551	7.702	0.1196	6.612	32.9	98.9
7.0		28.454	15.542	7.697	0.1394	6.543	40.7	481.6
8.0		28.450	15.549	7.703	0.1591	6.450	49.0	545.5
9.0		28.445	15.652	7.781	0.1788	6.304	28.9	545.5



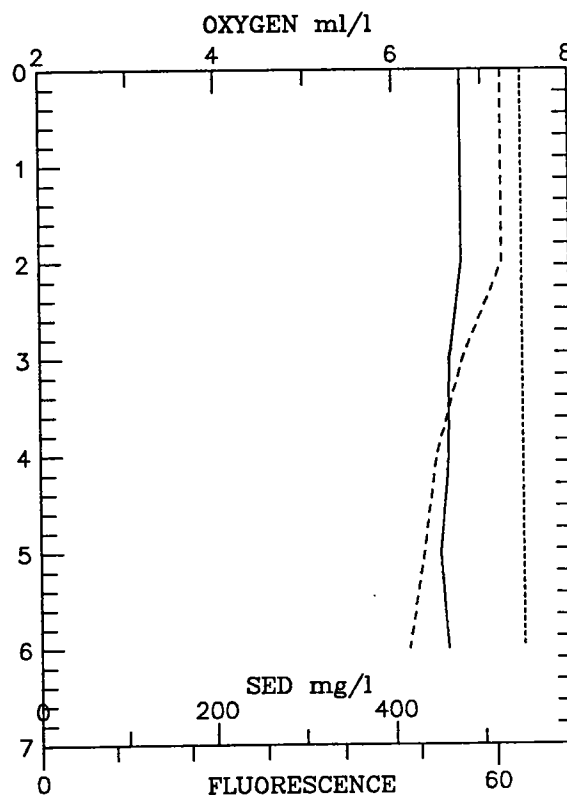
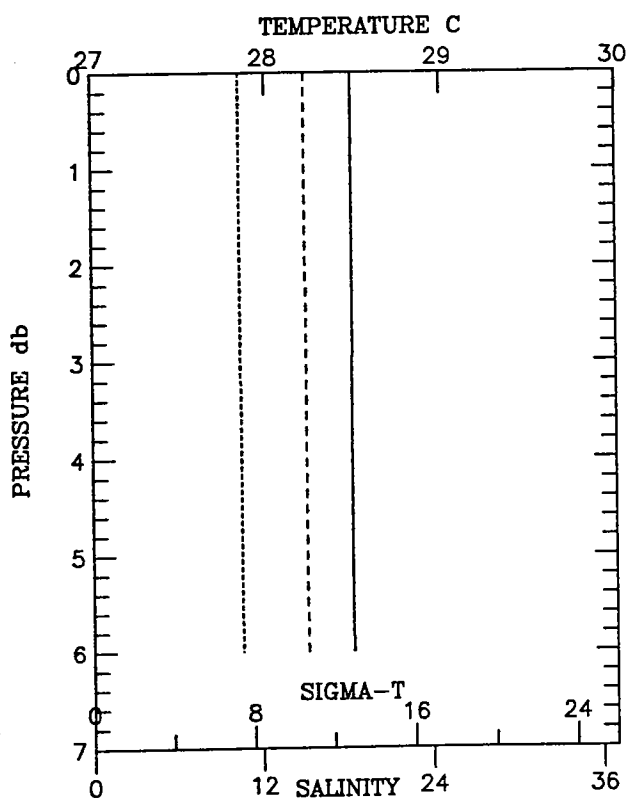
Cruise I9004 Leg 4 Station # 20.16 Depth m:10 Time: 1990-06-07 14:21
 Position: 2° 56.20'N 50° 41.66'W Depth Deck Offset: -0.23 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.448	15.477	7.650	0.0000	6.114	35.1	228.0
1.0	28.448	15.477	7.650	0.0198	6.115	35.1	228.0
2.0	28.454	15.480	7.650	0.0396	5.862	35.9	216.9
3.0	28.455	15.477	7.647	0.0594	5.925	39.6	435.9
4.0	28.462	15.469	7.640	0.0793	5.912	48.4	532.1
5.0	28.476	15.469	7.635	0.0991	5.751	45.3	545.5
6.0	28.481	15.473	7.637	0.1189	5.750	35.6	545.5
7.0	28.486	15.481	7.641	0.1387	5.643	25.8	545.5



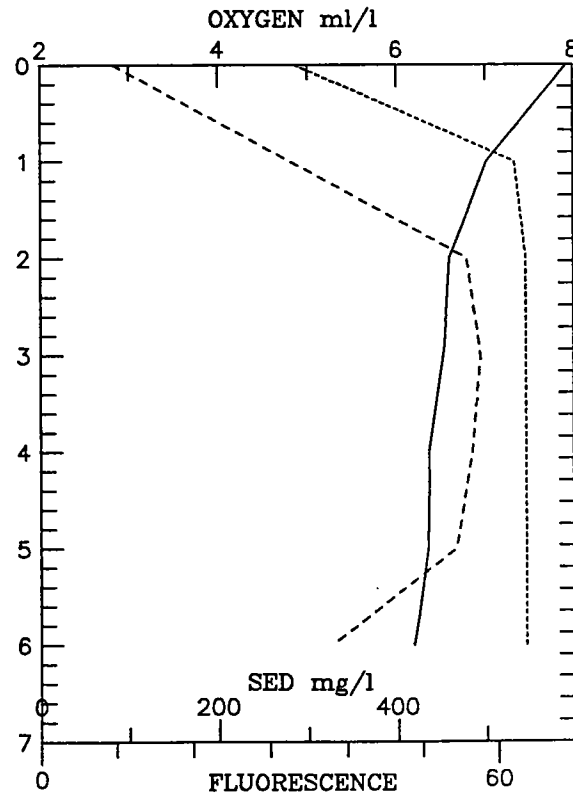
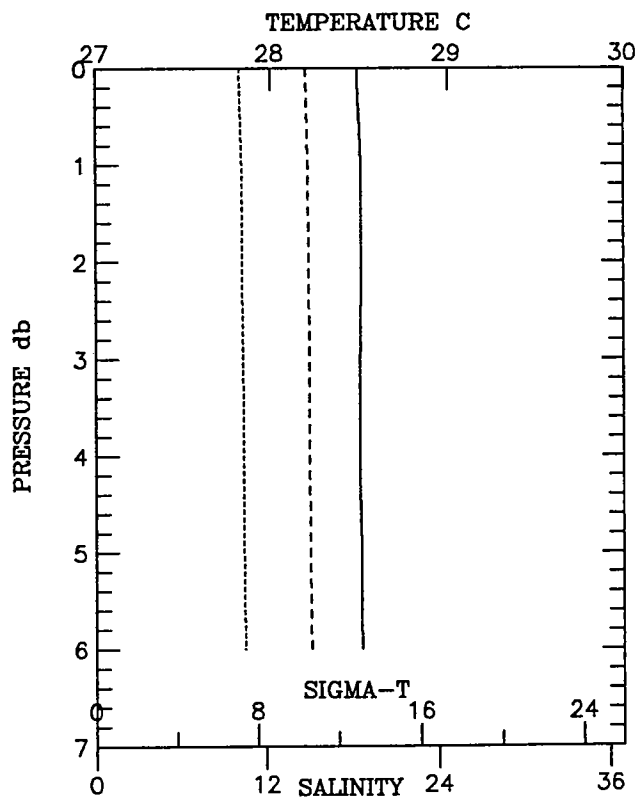
Cruise 19004 Leg 4 Station # 20.17 Depth m:9 Time: 1990-06-07 15:23
 Position: 2° 56.26'N 50° 42.26'W Depth Deck Offset: -0.23 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.495	15.136	7.381	0.0000	6.771	61.0	545.5
1.0	E	28.495	15.135	7.380	0.0201	6.771	61.0	545.5
2.0		28.495	15.135	7.380	0.0402	6.772	61.0	545.5
3.0		28.494	15.157	7.397	0.0602	6.622	55.7	545.5
4.0		28.493	15.165	7.403	0.0803	6.607	52.2	545.5
5.0		28.493	15.173	7.409	0.1003	6.512	50.5	545.5
6.0		28.495	15.207	7.434	0.1204	6.593	48.5	545.5



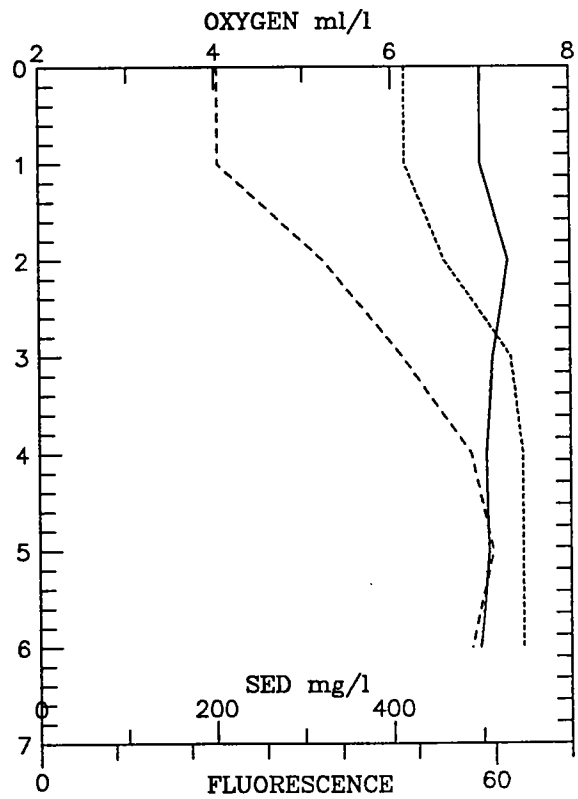
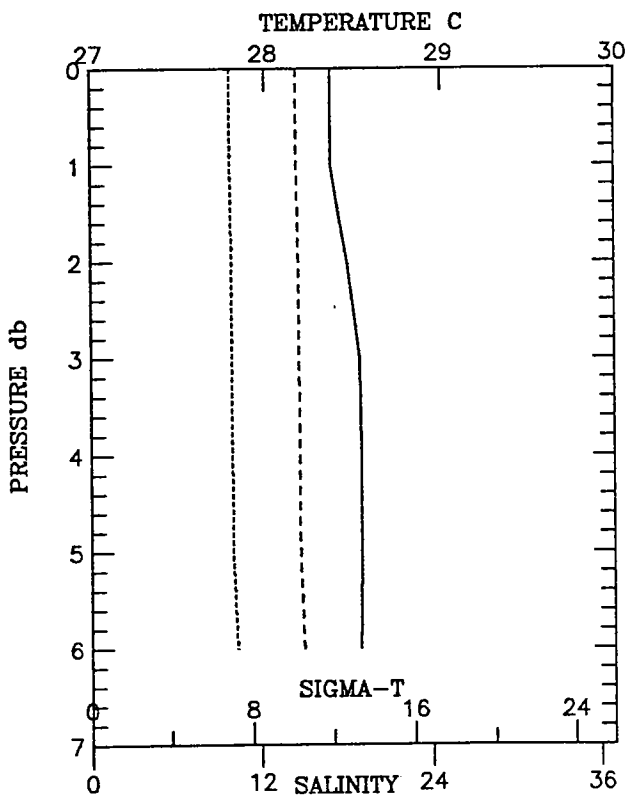
Cruise I9004 Leg 4 Station # 20.18 Depth m:9 Time: 1990-06-07 16:20
 Position: 2° 56.26'N 50° 42.26'W Depth Deck Offset: -0.23 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	28.494	14.794	7.127	0.0000	7.923	9.7	285.4
1.0	28.509	14.950	7.238	0.0203	7.016	32.8	532.1
2.0	28.511	14.975	7.256	0.0405	6.597	55.9	545.5
3.0	28.505	15.032	7.301	0.0607	6.522	57.7	545.5
4.0	28.504	15.045	7.311	0.0808	6.359	56.6	545.5
5.0	28.509	15.074	7.331	0.1009	6.348	54.4	545.5
6.0	28.515	15.151	7.386	0.1210	6.185	38.1	545.5



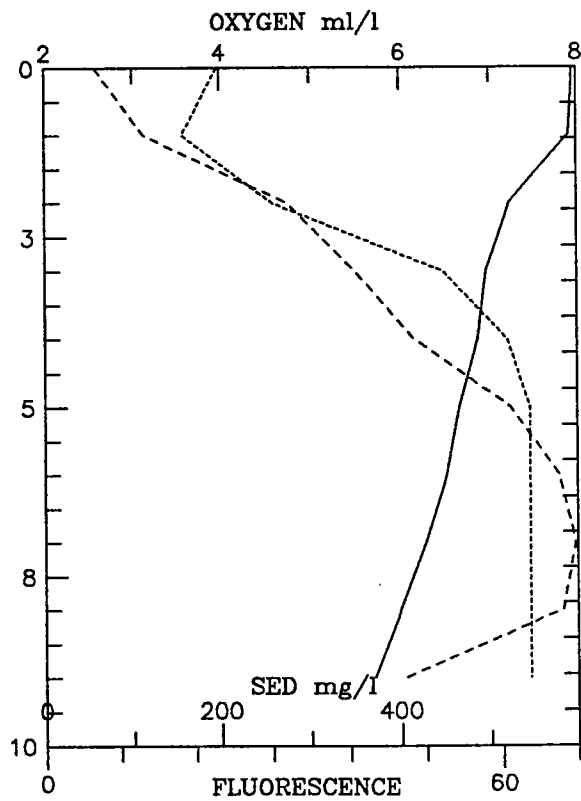
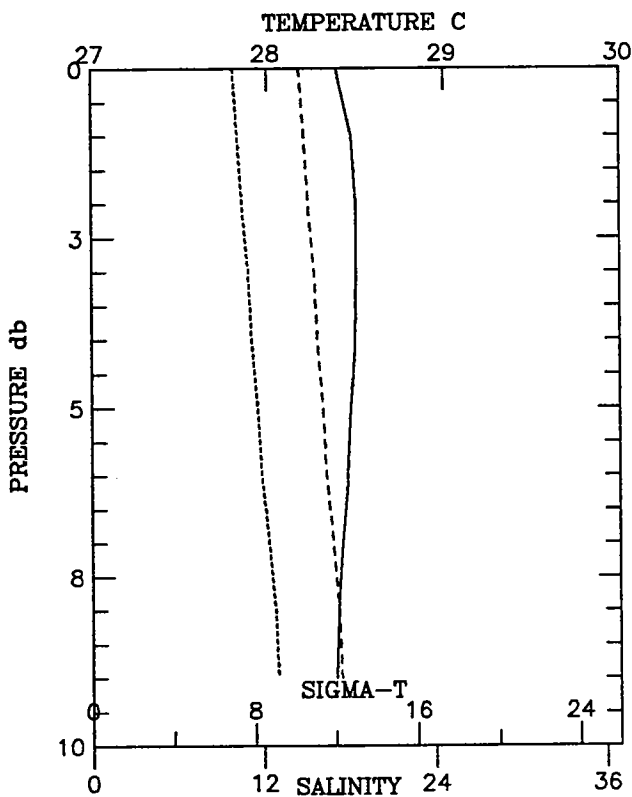
Cruise I9004 Leg 4 Station # 20.19 Depth m:10 Time: 1990-06-07 17:20
 Position: 2° 56.10'N 50° 42.35'W Depth Deck Offset: -0.23 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.375	14.554	6.984	0.0000	6.998	23.7	414.7
1.0		28.375	14.554	6.984	0.0205	6.998	23.7	414.7
2.0		28.467	14.661	7.036	0.0409	7.304	37.6	458.2
3.0		28.537	14.693	7.038	0.0613	7.124	48.0	532.1
4.0		28.544	14.702	7.043	0.0817	7.051	57.0	545.5
5.0		28.542	14.739	7.071	0.1021	7.075	59.8	545.5
6.0		28.537	14.981	7.253	0.1224	6.981	57.0	545.5



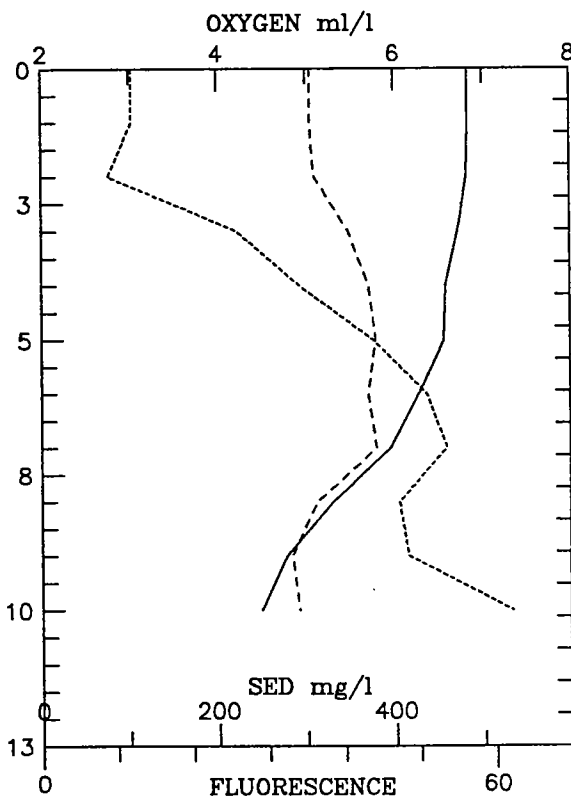
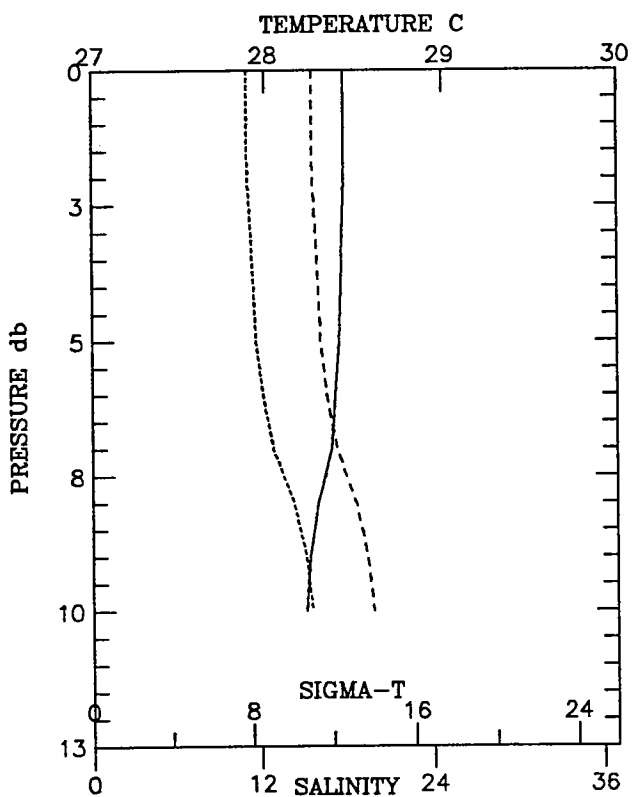
Cruise I9004 Leg 4 Station # 20.20 Depth m:12 Time: 1990-06-07 18:21
 Position: 2° 56.16'N 50° 42.36'W Depth Deck Offset: -0.23 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	28.399	14.595	7.008	0.0000	7.945	6.7	196.4
1.0	28.479	14.913	7.220	0.0203	7.914	13.2	156.9
2.0	28.504	15.198	7.425	0.0405	7.227	32.1	258.3
3.0	28.504	15.600	7.724	0.0604	6.965	40.8	446.9
4.0	28.495	15.807	7.881	0.0800	6.869	48.5	519.0
5.0	28.472	16.174	8.162	0.0995	6.659	61.1	545.5
6.0	28.453	16.442	8.367	0.1187	6.516	67.6	545.5
7.0	28.422	16.899	8.718	0.1376	6.285	69.7	545.5
8.0	28.397	17.286	9.013	0.1562	5.996	68.0	545.5
9.0	28.387	17.447	9.136	0.1746	5.708	47.2	545.5



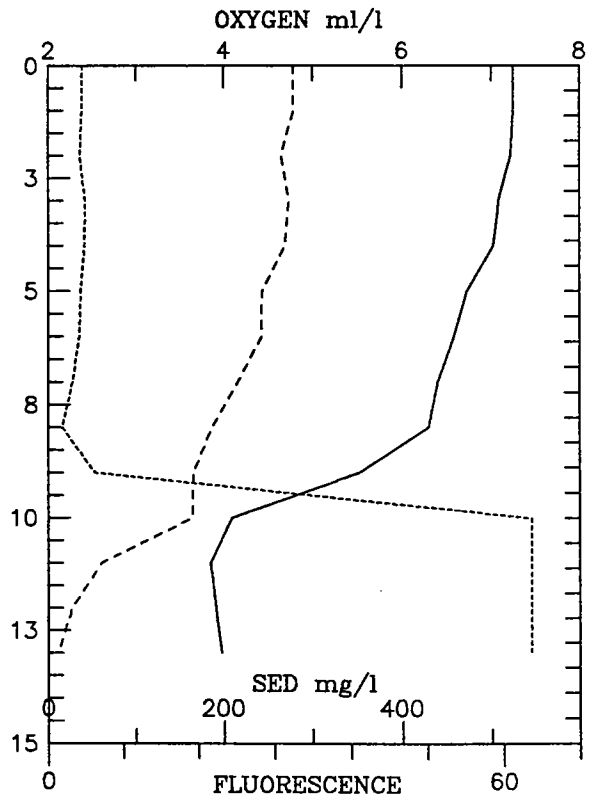
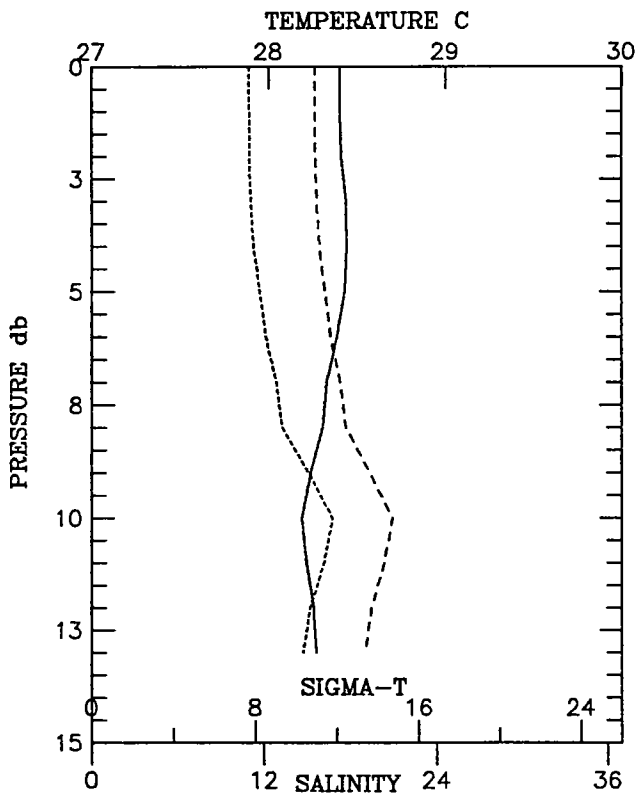
Cruise 19004 Leg 4 Station # 20.21 Depth m:13 Time: 1990-06-07 19:21
 Position: 2° 56.16'N 50° 43.10'W Depth Deck Offset: -0.23 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.448	15.652	7.780	0.0000	6.833	35.6	102.8
1.0	28.448	15.652	7.780	0.0197	6.834	35.6	102.8
2.0	28.447	15.702	7.818	0.0393	6.821	36.1	76.2
3.0	28.439	15.902	7.969	0.0589	6.722	40.6	222.4
4.0	28.430	16.062	8.091	0.0784	6.580	43.3	292.6
5.0	28.420	16.224	8.215	0.0977	6.557	44.2	375.4
6.0	28.397	16.655	8.544	0.1168	6.272	43.2	435.9
7.0	28.375	17.341	9.061	0.1354	5.955	44.3	458.2
8.0	28.299	18.650	10.061	0.1534	5.297	36.4	404.5
9.0	28.250	19.439	10.665	0.1705	4.778	33.1	414.7
10.0	28.231	19.843	10.972	0.1872	4.496	34.0	532.1



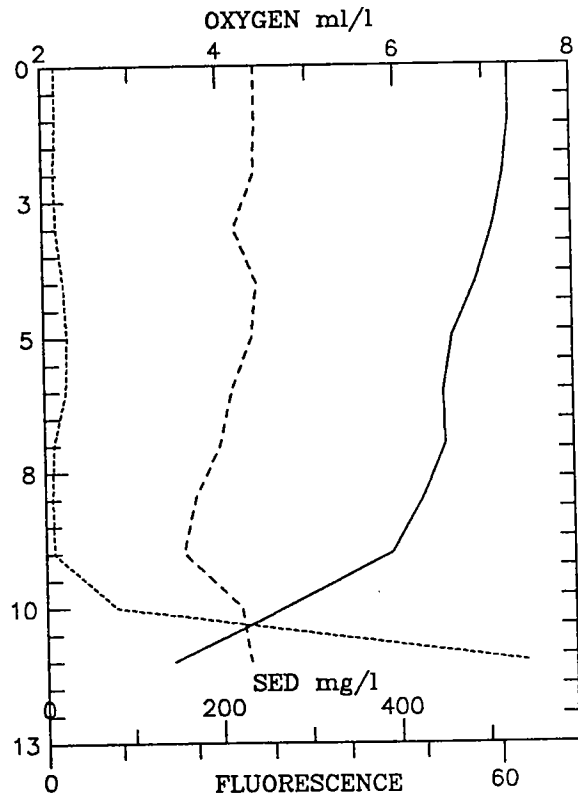
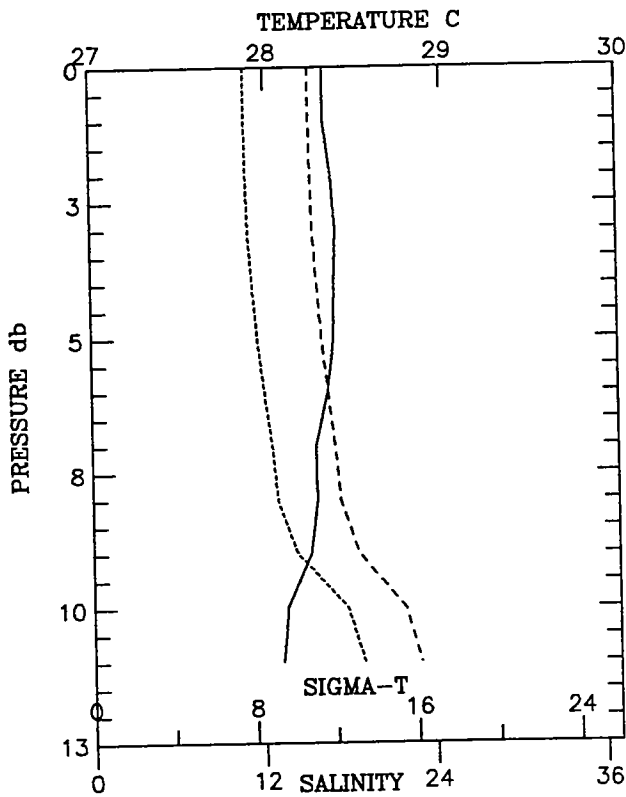
Cruise 19004 Leg 4 Station # 20.22 Depth m:13 Time: 1990-06-07 20:20
 Position: 2° 56.71'N 50° 42.81'W Depth Deck Offset: -0.23 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.402	15.538	7.709	0.0000	7.249	37.9
1.0		28.402	15.538	7.710	0.0198	7.250	37.9
2.0		28.407	15.557	7.722	0.0395	7.220	35.9
3.0		28.434	15.648	7.782	0.0592	7.082	41.9
4.0		28.438	15.846	7.928	0.0788	7.027	41.0
5.0		28.426	16.243	8.228	0.0982	6.729	28.4
6.0		28.382	16.639	8.536	0.1173	6.584	28.3
7.0		28.327	17.286	9.035	0.1360	6.398	25.2
8.0		28.303	17.676	9.333	0.1543	6.298	21.8
9.0		28.234	19.352	10.605	0.1718	5.526	19.3
10.0		28.185	20.900	11.775	0.1882	4.092	19.2
11.0		28.212	20.344	11.352	0.2042	3.852	7.1
12.0		28.253	19.448	10.671	0.2207	3.910	3.1
13.0		28.266	18.997	10.330	0.2377	3.976	1.3



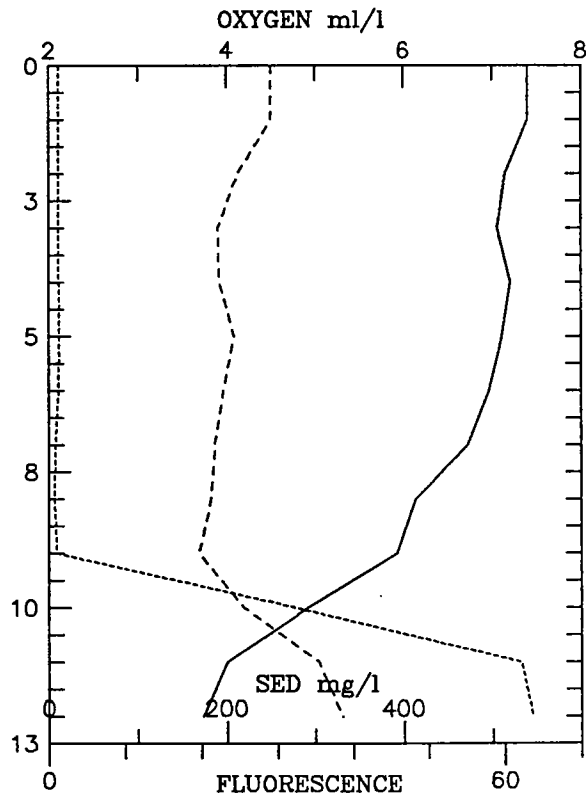
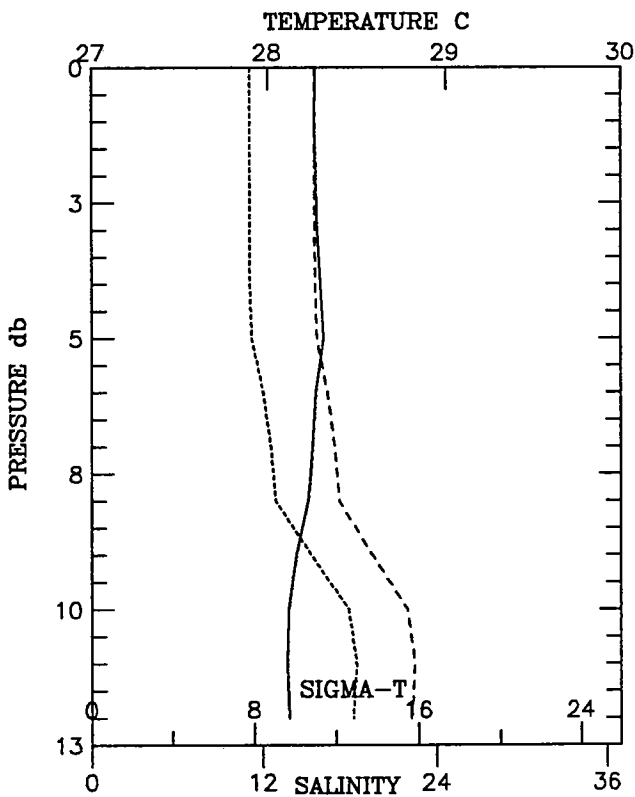
Cruise 19004 Leg 4 Station # 20.23 Depth m:13 Time: 1990-06-07 21:22
 Position: 2° 56.13'N 50° 42.38'W Depth Deck Offset: -0.23 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.339	15.495	7.697	0.0000	7.299	28.3	15.9
1.0		28.339	15.495	7.697	0.0198	7.299	28.3	15.9
2.0		28.381	15.580	7.747	0.0395	7.230	28.1	13.2
3.0		28.403	15.678	7.813	0.0592	7.095	25.4	15.4
4.0		28.391	15.917	7.995	0.0788	6.899	28.3	22.7
5.0		28.383	16.226	8.228	0.0981	6.628	27.6	26.5
6.0		28.346	16.644	8.551	0.1172	6.521	24.9	24.5
7.0		28.277	17.084	8.900	0.1359	6.536	23.3	9.9
8.0		28.280	17.414	9.145	0.1544	6.271	20.0	7.7
9.0		28.242	18.671	10.094	0.1723	5.922	18.4	9.2
10.0		28.103	21.888	12.539	0.1885	4.719	25.9	80.1
11.0		28.079	22.948	13.338	0.2031	3.460	27.0	545.5



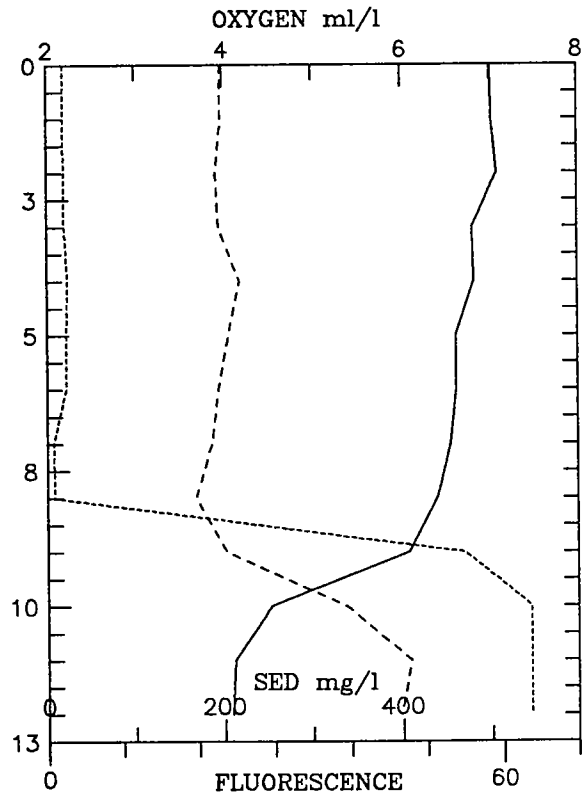
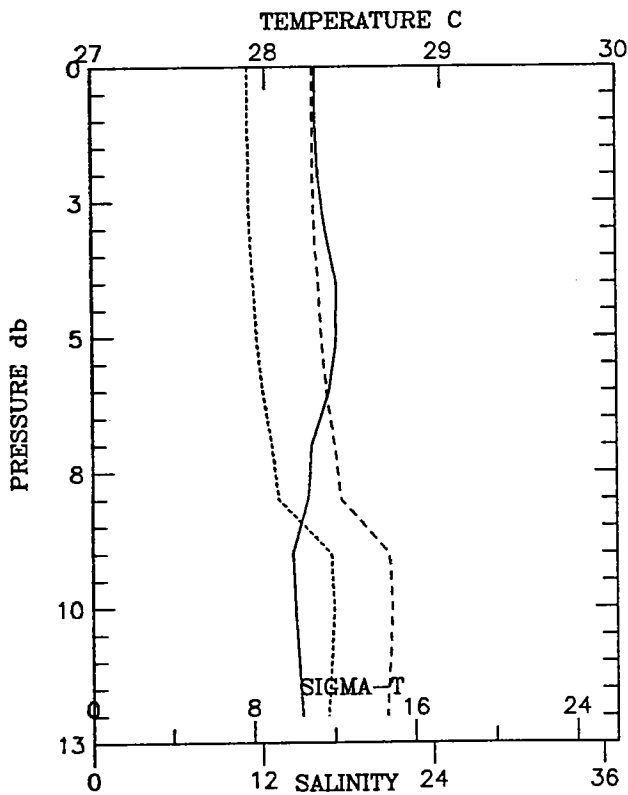
Cruise I9004 Leg 4 Station # 20.24 Depth m:14 Time: 1990-06-07 22:19
 Position: 2° 56.13'N 50° 42.38'W Depth Deck Offset: -0.23 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.265	15.572	7.777	0.0000	7.400	29.2	10.5
1.0	28.265	15.572	7.777	0.0197	7.400	29.2	10.5
2.0	28.272	15.575	7.777	0.0394	7.149	24.8	10.5
3.0	28.277	15.589	7.786	0.0591	7.059	22.2	10.7
4.0	28.296	15.602	7.790	0.0787	7.208	22.4	11.0
5.0	28.312	15.751	7.896	0.0984	7.115	24.3	11.6
6.0	28.271	16.473	8.447	0.1177	6.963	22.9	10.4
7.0	28.250	16.969	8.822	0.1365	6.726	21.8	7.1
8.0	28.226	17.276	9.059	0.1550	6.135	21.3	6.2
9.0	28.162	19.564	10.785	0.1726	5.926	19.7	8.8
10.0	28.115	21.991	12.612	0.1885	4.914	25.6	278.3
11.0	28.109	22.489	12.985	0.2032	4.005	35.5	532.1
12.0	28.120	22.280	12.826	0.2179	3.735	38.6	545.5



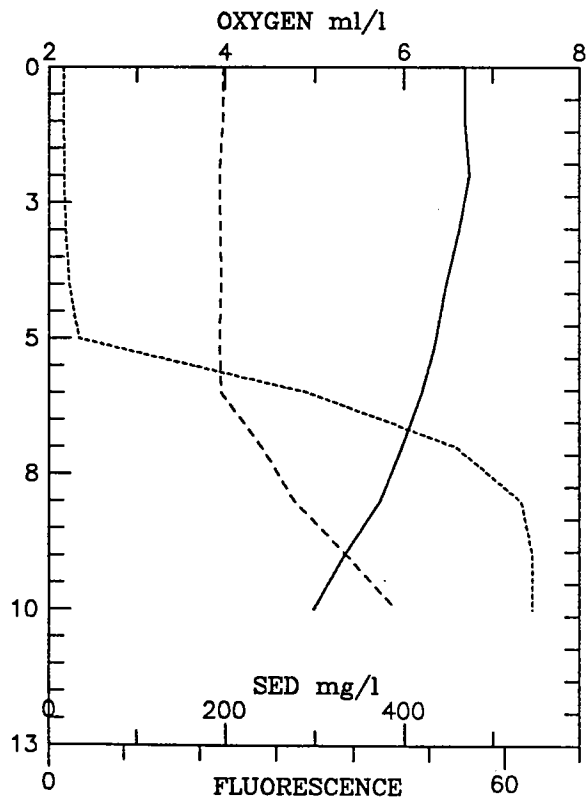
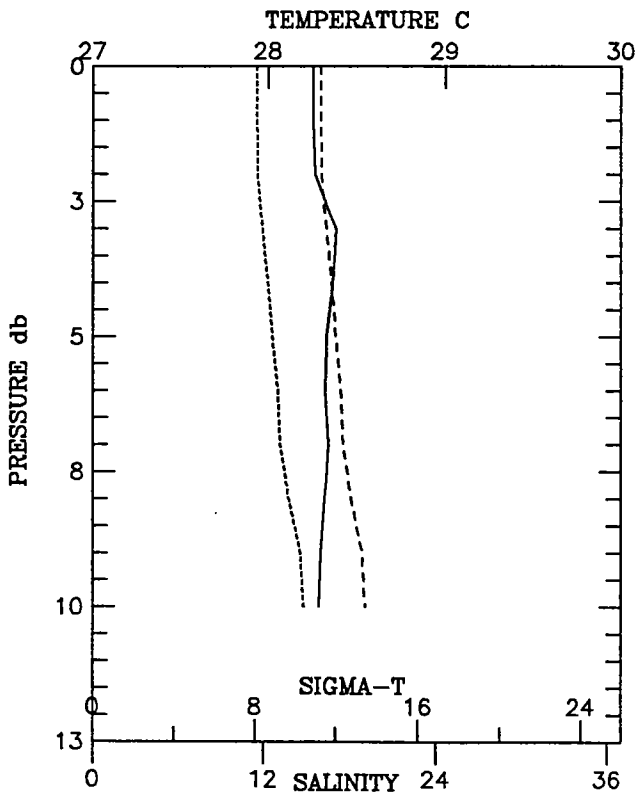
Cruise I9004 Leg 4 Station # 20.25 Depth m:13 Time: 1990-06-07 23:22
 Position: 2° 56.13'N 50° 42.38'W Depth Deck Offset: -0.23 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.285	15.665	7.840	0.0000	7.021	23.1	18.7
1.0		28.285	15.665	7.840	0.0196	7.022	23.1	18.7
2.0		28.298	15.680	7.847	0.0392	7.082	22.4	18.9
3.0		28.338	15.740	7.880	0.0588	6.809	22.8	19.7
4.0		28.402	16.000	8.054	0.0783	6.824	25.5	23.1
5.0		28.398	16.198	8.203	0.0977	6.617	24.0	21.6
6.0		28.357	16.555	8.481	0.1168	6.615	22.7	21.1
7.0		28.257	17.127	8.938	0.1356	6.548	21.8	6.8
8.0		28.232	17.547	9.259	0.1540	6.401	19.7	7.9
9.0		28.147	20.961	11.833	0.1710	6.079	23.7	469.7
10.0		28.160	21.138	11.961	0.1866	4.532	39.4	545.5
11.0		28.179	20.963	11.824	0.2023	4.118	47.8	545.5
12.0		28.195	20.754	11.663	0.2181	4.095	46.5	545.5



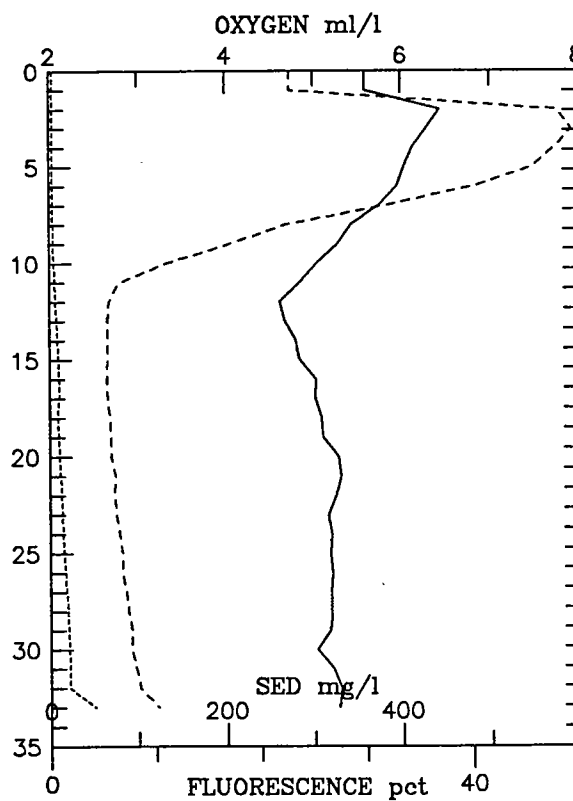
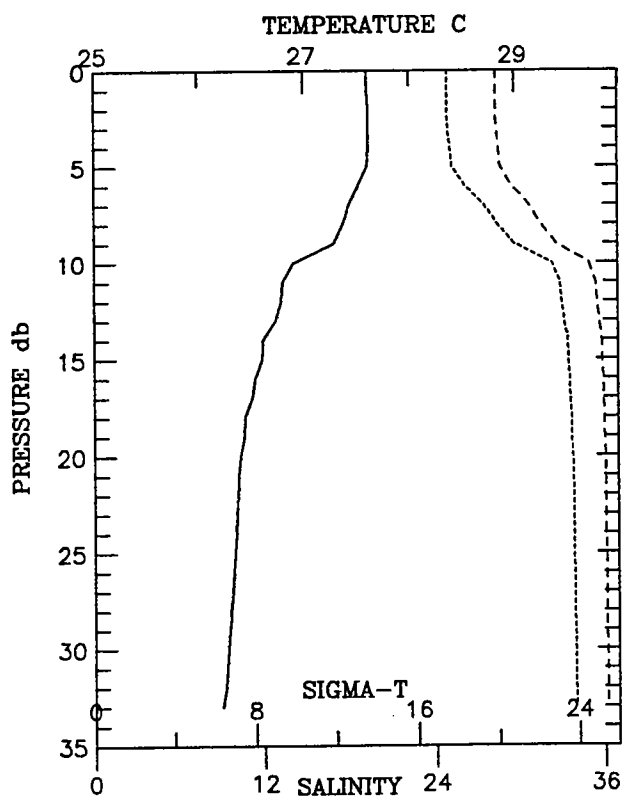
Cruise I9004 Leg 4 Station # 20.26 Depth m:11 Time: 1990-06-08 00:23
 Position: 2° 56.13'N 50° 42.38'W Depth Deck Offset: -0.23 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.257	16.034	8.124	0.0000	6.690	23.0	16.6
1.0		28.256	16.034	8.124	0.0193	6.691	23.0	16.6
2.0		28.267	16.053	8.135	0.0387	6.743	22.6	16.8
3.0		28.385	16.431	8.380	0.0579	6.625	22.7	18.8
4.0		28.367	16.785	8.650	0.0769	6.477	22.8	22.8
5.0		28.332	17.072	8.874	0.0956	6.360	22.6	33.8
6.0		28.324	17.426	9.140	0.1141	6.199	22.8	292.6
7.0		28.342	17.578	9.248	0.1324	5.979	28.1	458.2
8.0		28.321	18.147	9.679	0.1504	5.727	32.4	532.1
9.0		28.300	18.906	10.252	0.1679	5.328	39.2	545.5
10.0		28.289	19.114	10.410	0.1851	4.984	45.6	545.5



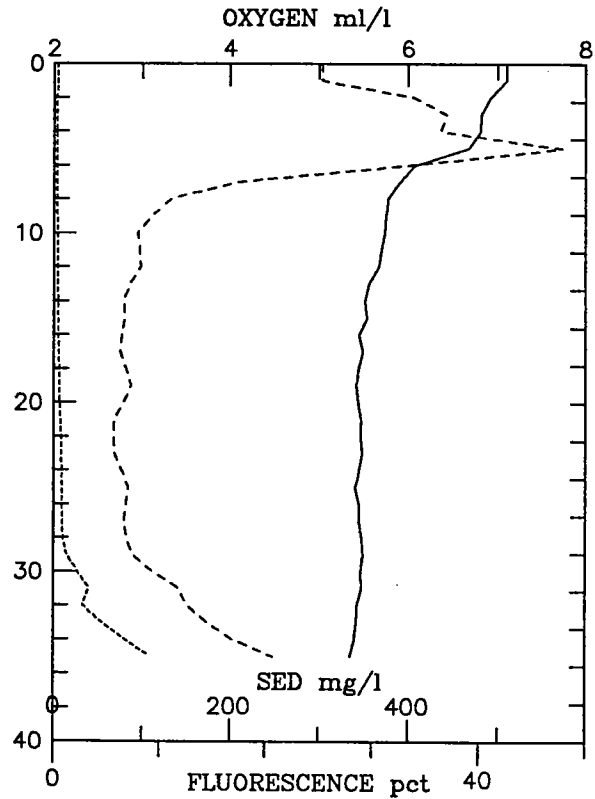
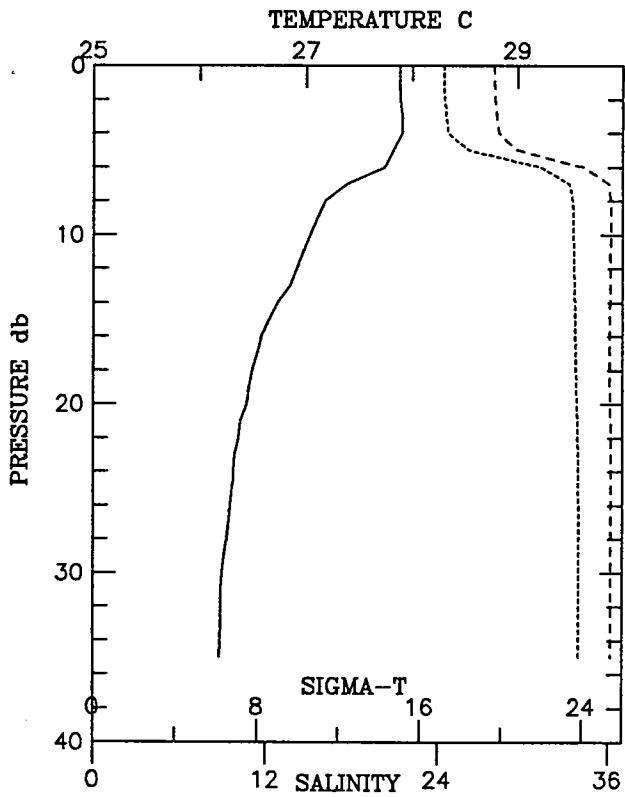
Cruise I9004 Leg 4 Station # 21.01 Depth m:38 Time: 1990-06-08 05:30
 Position: 3° 20.17'N 50° 2.13'W Depth Deck Offset: -0.23 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.608	28.327	17.512	0.0000	5.591	22.8	3.3
2.0		27.621	28.321	17.504	0.0204	6.444	48.0	3.3
4.0		27.621	28.498	17.636	0.0407	6.126	47.8	3.3
6.0		27.526	29.428	18.364	0.0604	5.951	40.2	3.4
8.0		27.378	31.500	19.966	0.0775	5.427	22.4	3.6
10.0		26.906	34.914	22.685	0.0911	5.042	11.0	4.9
12.0		26.787	35.496	23.161	0.1009	4.618	5.6	6.2
14.0		26.617	35.836	23.472	0.1102	4.801	5.5	8.6
16.0		26.544	35.913	23.553	0.1191	5.023	5.4	10.2
18.0		26.442	35.990	23.644	0.1278	5.089	5.7	8.9
20.0		26.402	36.052	23.703	0.1364	5.279	5.8	10.6
22.0		26.375	36.080	23.733	0.1449	5.247	6.1	13.0
24.0		26.357	36.096	23.751	0.1534	5.198	6.6	14.2
26.0		26.336	36.111	23.768	0.1618	5.207	6.8	16.7
28.0		26.308	36.127	23.789	0.1702	5.190	7.4	19.5
30.0		26.278	36.140	23.809	0.1786	5.028	7.7	20.8
32.0		26.257	36.148	23.821	0.1869	5.298	8.5	21.7
33.0		26.228	36.154	23.834	0.1910	5.281	10.2	50.5



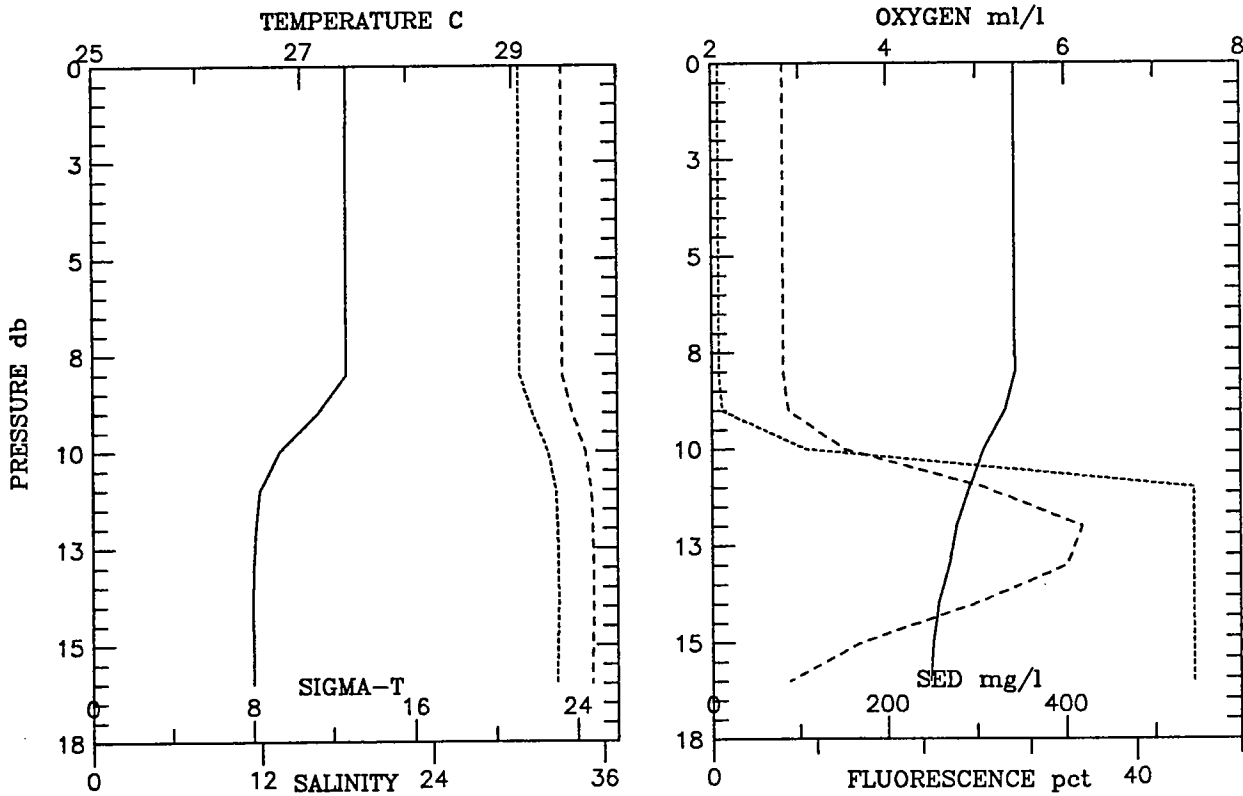
Cruise I9004 Leg 4 Station # 21.02 Depth m:38 Time: 1990-06-08 07:31
 Position: 3° 20.15'N 50° 2.12'W Depth Deck Offset: 0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.878	27.944	17.140	0.0000	7.104	25.3	4.2
2.0		27.888	28.021	17.194	0.0211	6.922	33.9	3.2
4.0		27.904	28.248	17.360	0.0420	6.812	36.4	3.3
6.0		27.744	34.325	21.973	0.0595	6.071	33.3	3.0
8.0		27.180	36.141	23.522	0.0693	5.772	11.1	3.5
10.0		27.037	36.144	23.570	0.0781	5.740	7.9	3.7
12.0		26.910	36.124	23.595	0.0868	5.670	8.2	4.0
14.0		26.726	36.097	23.634	0.0955	5.514	6.6	4.6
16.0		26.578	36.078	23.667	0.1041	5.449	6.4	5.0
18.0		26.494	36.075	23.691	0.1127	5.448	6.8	5.9
20.0		26.444	36.110	23.734	0.1212	5.442	6.6	6.6
22.0		26.363	36.145	23.786	0.1296	5.476	5.7	8.1
24.0		26.315	36.155	23.808	0.1380	5.449	6.4	8.9
26.0		26.285	36.160	23.822	0.1463	5.457	6.8	9.4
28.0		26.254	36.164	23.834	0.1546	5.481	6.9	10.4
30.0		26.216	36.170	23.850	0.1628	5.474	9.3	27.1
32.0		26.204	36.170	23.854	0.1711	5.433	12.6	32.9
34.0		26.194	36.168	23.856	0.1793	5.404	16.9	80.2
35.0		26.191	36.167	23.856	0.1835	5.361	20.7	108.7



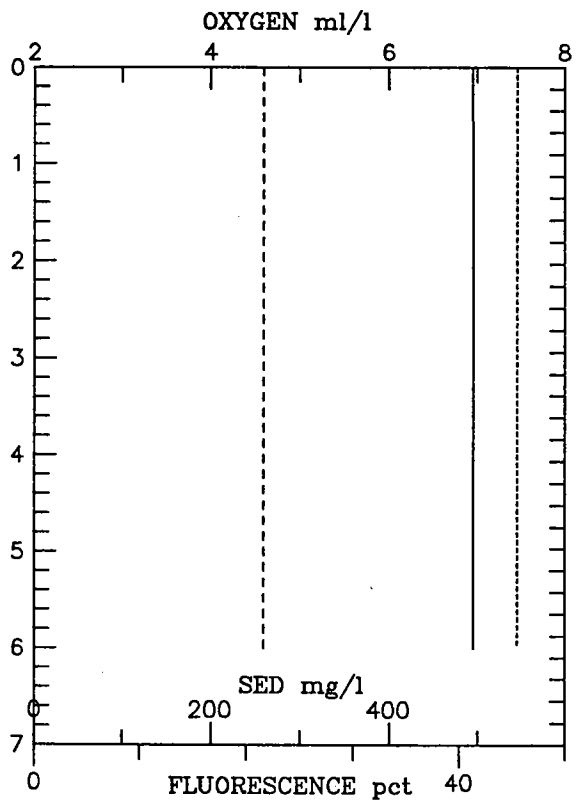
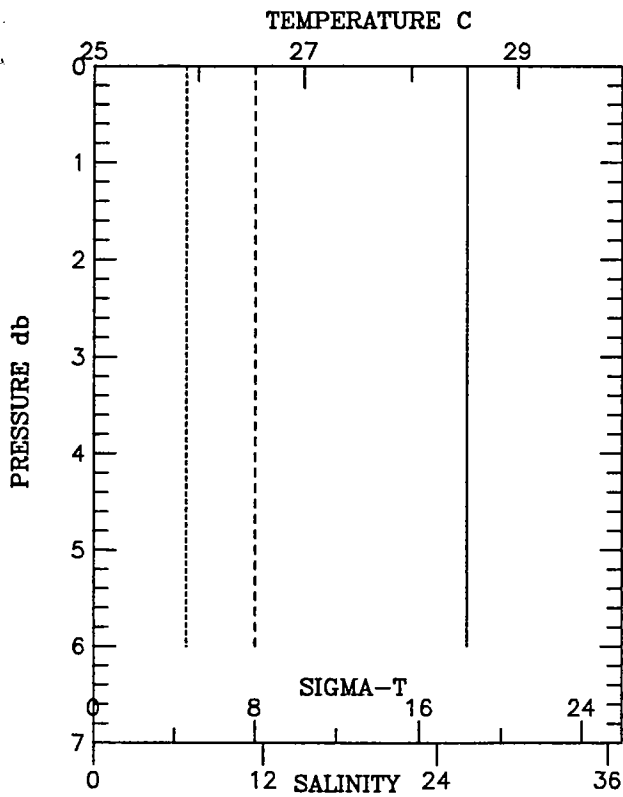
Cruise 19004 Leg 4 Station # 21.03 Depth m:38 Time: 1990-06-08 08:31
 Position: 3° 20.17'N 50° 2.11'W Depth Deck Offset: 0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.436	33.111	21.159	0.0000	5.431	6.8	7.5
1.0	E 27.435	33.111	21.159	0.0067	5.431	6.8	7.5
2.0	E 27.435	33.110	21.159	0.0134	5.432	6.8	7.5
3.0	E 27.435	33.110	21.159	0.0201	5.432	6.8	7.5
4.0	E 27.435	33.110	21.159	0.0267	5.433	6.8	7.5
5.0	E 27.435	33.109	21.158	0.0334	5.434	6.8	7.5
6.0	E 27.434	33.109	21.158	0.0401	5.434	6.8	7.5
7.0	E 27.434	33.109	21.158	0.0468	5.435	6.8	7.5
8.0	27.434	33.109	21.158	0.0535	5.436	6.8	7.5
9.0	27.159	33.818	21.779	0.0599	5.324	7.3	11.6
10.0	26.792	34.698	22.558	0.0656	5.085	12.6	107.3
11.0	26.603	35.135	22.947	0.0708	4.922	25.7	545.5
12.0	26.563	35.222	23.026	0.0757	4.775	34.9	545.5
13.0	26.542	35.263	23.063	0.0806	4.699	33.5	545.5
14.0	26.535	35.263	23.066	0.0855	4.574	24.9	545.5
15.0	26.539	35.208	23.023	0.0904	4.513	14.2	545.5
16.0	26.541	35.162	22.988	0.0953	4.487	7.4	545.5



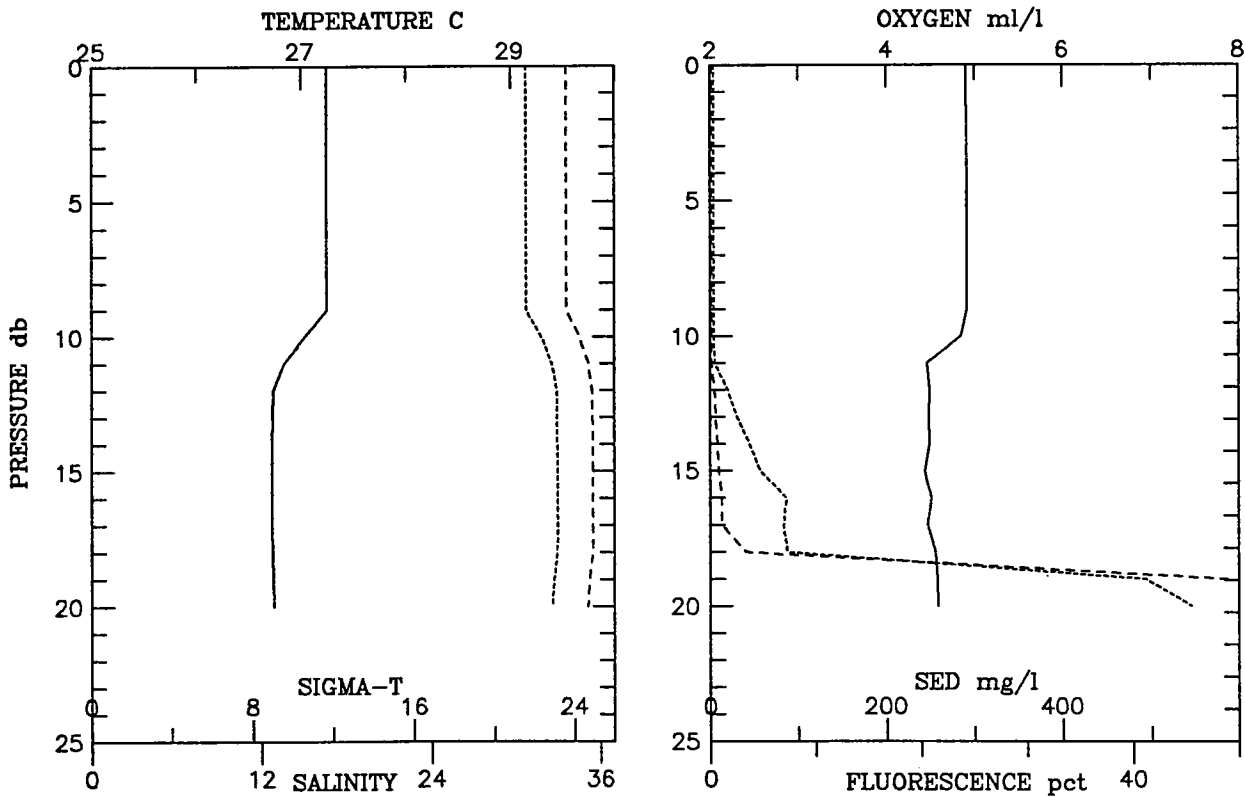
Cruise 19004 Leg 4 Station # 21.04 Depth m:38 Time: 1990-06-08 09:30
 Position: 3° 20.20'N 50° 2.14'W Depth Deck Offset: 0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.525	11.424	4.608	0.0000	6.956	21.6	545.5
1.0	E	28.525	11.424	4.609	0.0228	6.957	21.6	545.5
2.0	E	28.524	11.424	4.609	0.0456	6.958	21.6	545.5
3.0	E	28.524	11.424	4.609	0.0684	6.959	21.6	545.5
4.0	E	28.524	11.424	4.609	0.0913	6.959	21.6	545.5
5.0	E	28.524	11.424	4.609	0.1141	6.960	21.6	545.5
6.0		28.524	11.424	4.609	0.1369	6.961	21.6	545.5



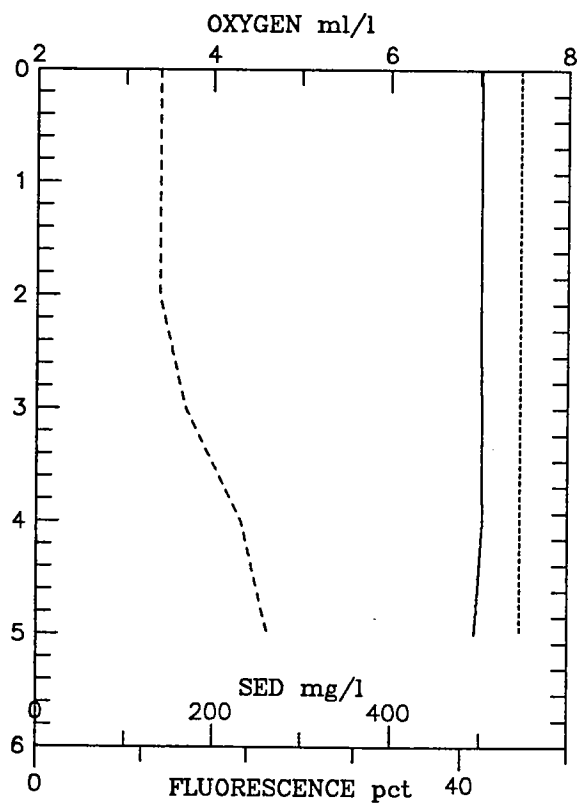
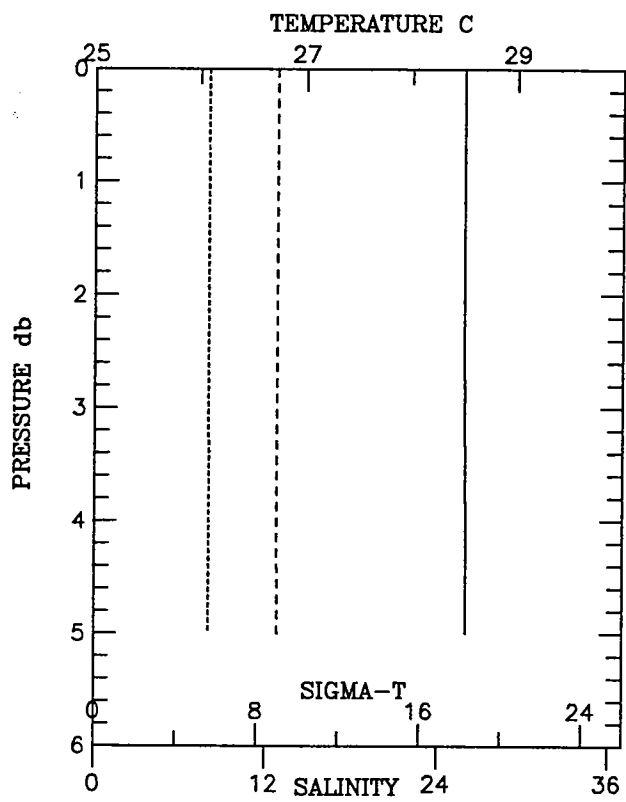
Cruise 19004 Leg 4 Station # 21.05 Depth m:38 Time: 1990-06-08 10:30
 Position: 3° 20.25'N 50° 2.11'W Depth Deck Offset: -0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.243	33.575	21.569	0.0000	4.910	0.1	3.9
1.0	E	27.243	33.575	21.569	0.0063	4.911	0.1	3.9
2.0	E	27.243	33.575	21.569	0.0126	4.912	0.1	3.9
3.0	E	27.243	33.574	21.569	0.0189	4.912	0.1	3.9
4.0	E	27.242	33.574	21.569	0.0252	4.913	0.1	3.9
5.0	E	27.242	33.574	21.569	0.0315	4.913	0.1	3.9
6.0	E	27.242	33.573	21.568	0.0378	4.914	0.1	3.9
7.0	E	27.242	33.573	21.568	0.0441	4.914	0.1	3.9
8.0	E	27.241	33.573	21.568	0.0504	4.915	0.1	3.9
9.0		27.241	33.573	21.568	0.0567	4.916	0.1	3.9
10.0		27.035	34.518	22.346	0.0626	4.847	0.1	3.8
11.0		26.837	35.119	22.861	0.0679	4.463	0.1	5.1
12.0		26.737	35.408	23.111	0.0728	4.489	0.4	20.0
13.0		26.727	35.422	23.125	0.0777	4.482	0.5	30.5
14.0		26.724	35.429	23.131	0.0825	4.493	0.7	44.6
15.0		26.721	35.435	23.136	0.0873	4.440	0.8	56.7
16.0		26.725	35.435	23.135	0.0921	4.511	1.1	86.3
17.0		26.726	35.433	23.133	0.0969	4.469	1.1	83.0
18.0		26.727	35.428	23.129	0.1017	4.559	3.4	87.4
19.0		26.736	35.220	22.969	0.1066	4.582	48.9	493.7
20.0		26.739	35.087	22.868	0.1116	4.588	73.1	545.5



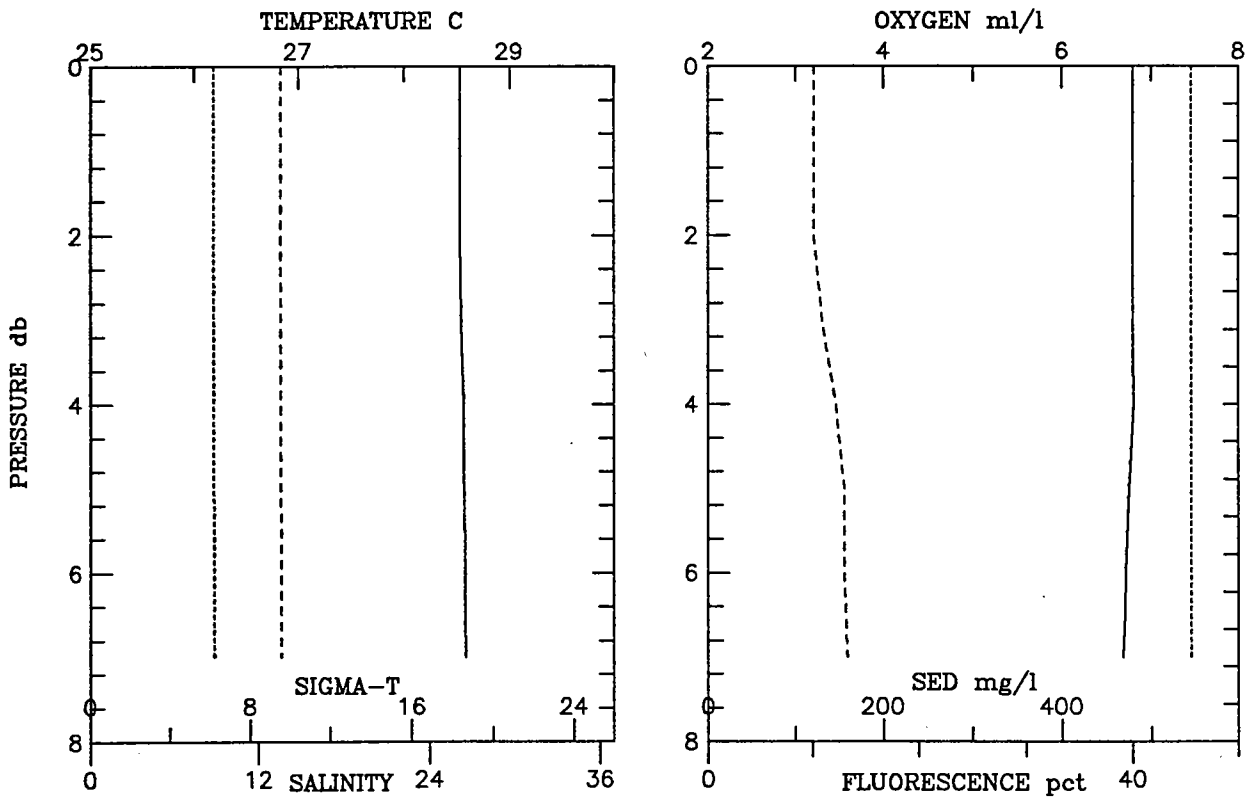
Cruise 19004 Leg 4 Station # 21.06 Depth m:35 Time: 1990-06-08 11:27
 Position: 3° 20.24'N 50° 3.00'W Depth Deck Offset: -0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.497	12.774	5.622	0.0000	7.014	11.6	545.5
1.0	E	28.496	12.774	5.622	0.0218	7.015	11.6	545.5
2.0		28.496	12.774	5.622	0.0436	7.016	11.6	545.5
3.0		28.505	12.785	5.627	0.0654	7.028	14.1	545.5
4.0		28.515	12.804	5.639	0.0872	7.037	19.4	545.5
5.0		28.519	12.824	5.652	0.1090	6.954	21.9	545.5



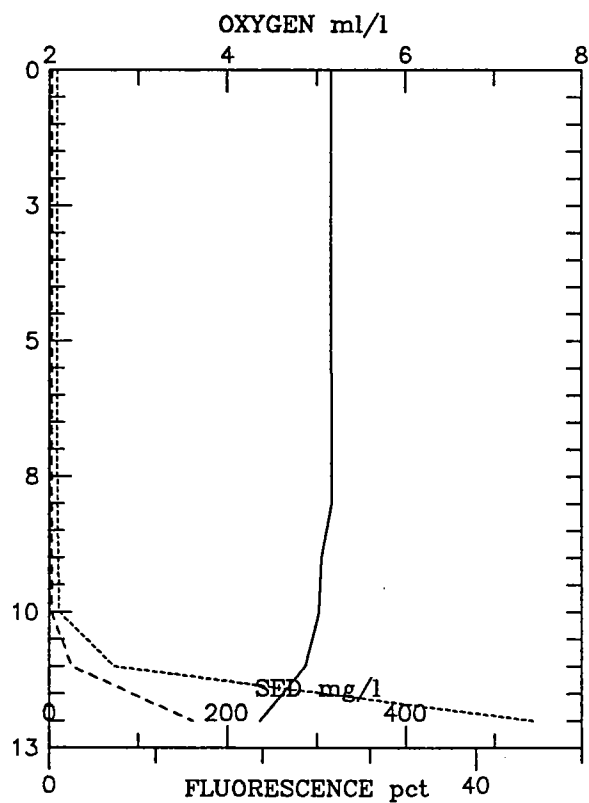
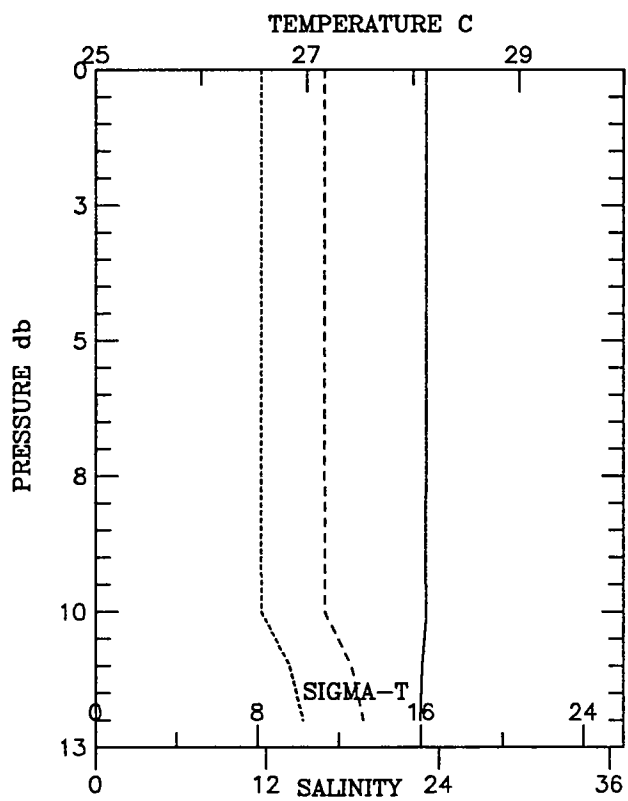
Cruise 19004 Leg 4 Station # 21.07 Depth m:38 Time: 1990-06-08 12:37
 Position: 3° 20.25'N 50° 2.07'W Depth Deck Offset: 0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.530	13.553	6.192	0.0000	6.801	10.1	545.5
1.0	E	28.530	13.553	6.192	0.0212	6.802	10.1	545.5
2.0		28.529	13.552	6.191	0.0425	6.802	10.1	545.5
3.0		28.542	13.559	6.193	0.0637	6.801	10.9	545.5
4.0		28.564	13.568	6.193	0.0850	6.804	12.2	545.5
5.0		28.573	13.577	6.197	0.1062	6.756	13.0	545.5
6.0		28.578	13.584	6.200	0.1275	6.721	13.0	545.5
7.0		28.582	13.586	6.200	0.1487	6.688	13.3	545.5



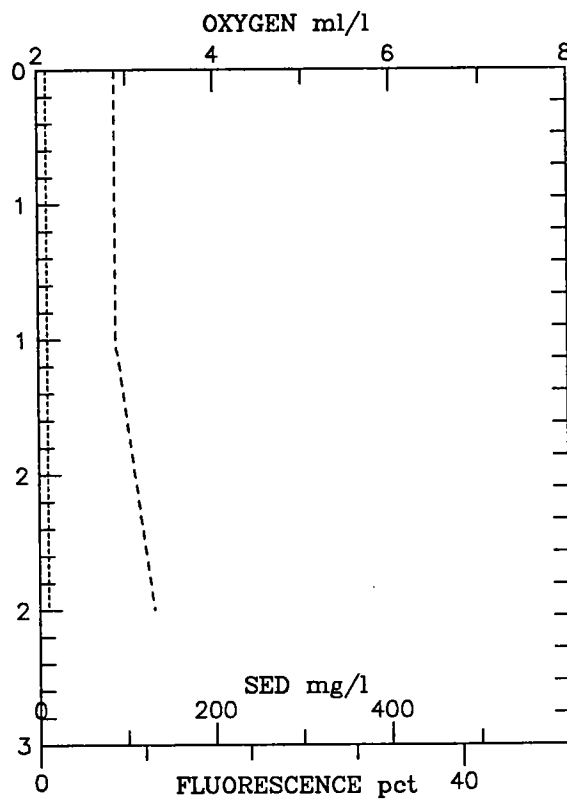
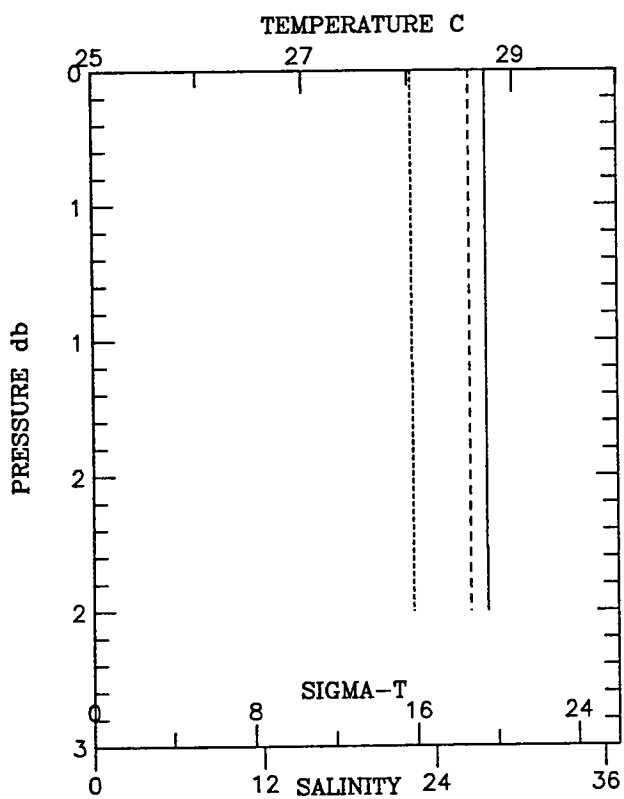
Cruise 19004 Leg 4 Station # 21.08 Depth m:36 Time: 1990-06-08 13:35
 Position: 3° 20.29'N 50° 2.05'W Depth Deck Offset: 0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.123	16.035	8.165	0.0000	5.161	0.2	8.3
1.0	E 28.123	16.035	8.165	0.0193	5.162	0.2	8.3
2.0	E 28.122	16.035	8.166	0.0386	5.162	0.2	8.3
3.0	E 28.122	16.035	8.166	0.0579	5.163	0.2	8.3
4.0	E 28.122	16.035	8.166	0.0772	5.164	0.2	8.3
5.0	E 28.122	16.034	8.165	0.0965	5.164	0.2	8.3
6.0	E 28.122	16.034	8.165	0.1158	5.165	0.2	8.3
7.0	28.121	16.034	8.165	0.1351	5.165	0.2	8.3
8.0	28.120	16.044	8.173	0.1544	5.170	0.2	9.3
9.0	28.120	16.054	8.180	0.1737	5.051	0.2	9.6
10.0	28.123	16.066	8.189	0.1930	5.024	0.2	11.1
11.0	28.089	17.926	9.586	0.2116	4.872	2.1	73.0
12.0	28.069	18.778	10.228	0.2292	4.365	13.5	545.5



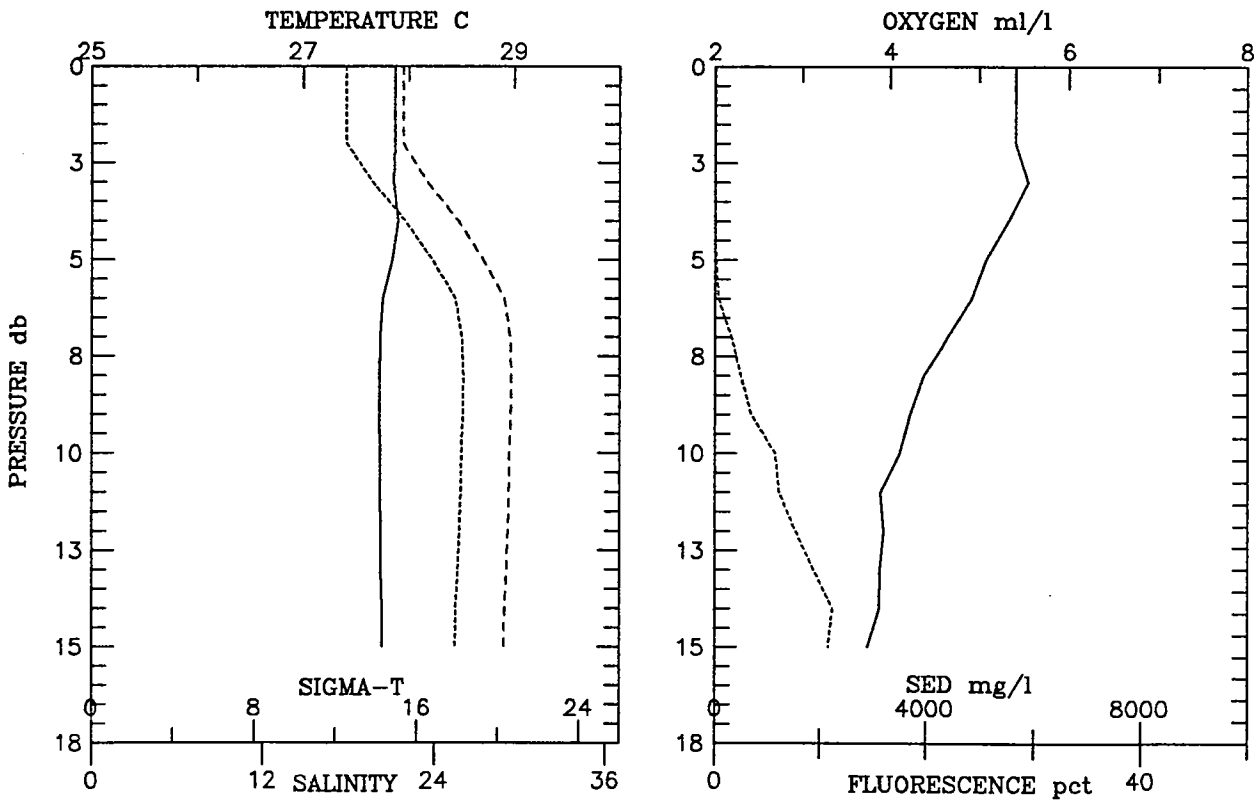
Cruise 19004 Leg 4 Station # 21.09 Depth m:35 Time: 1990-06-08 14:33
 Position: 3° 20.39'N 50° 1.57'W Depth Deck Offset: -0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.743	26.503	15.784	0.0000	0.000	7.3	9.5
1.0	28.743	26.503	15.784	0.0119	0.000	7.3	9.5
2.0	28.746	26.510	15.789	0.0237	0.000	10.9	9.5



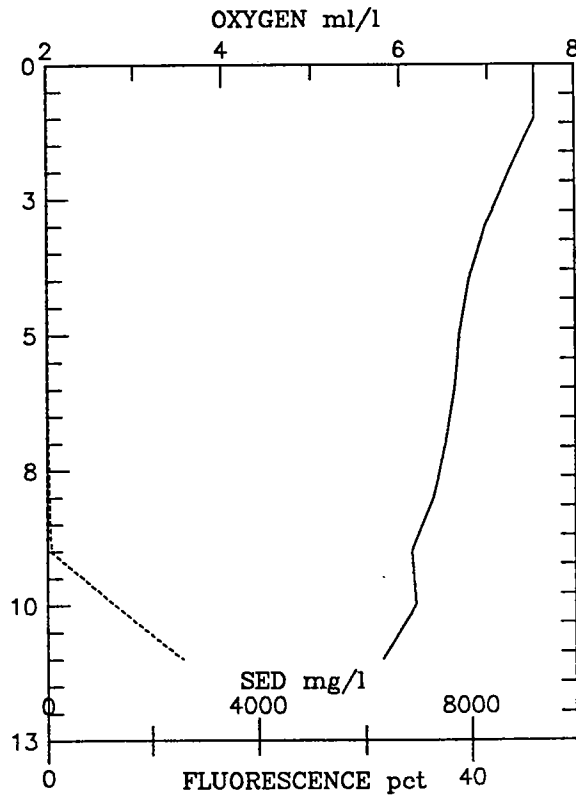
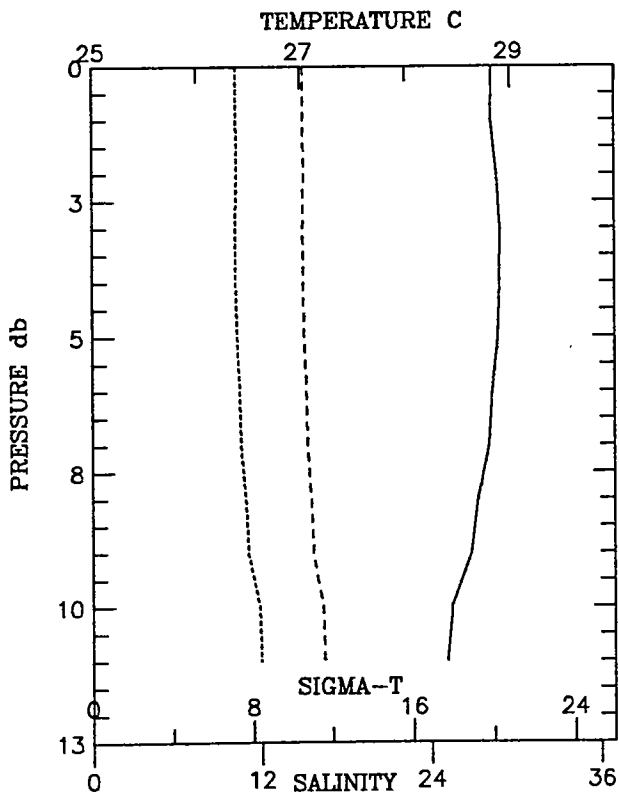
Cruise I9004 Leg 4 Station # 24 Depth m:16 Time: 1990-06-08 23:11
 Position: 3° 1.51'N 50° 29.47'W Depth Deck Offset: -0.03 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.868	21.789	12.537	0.0000	5.400	0.0	5.7
1.0	E	27.868	21.789	12.537	0.0150	5.400	0.0	5.7
2.0		27.868	21.788	12.537	0.0300	5.401	0.0	5.7
3.0		27.854	23.499	13.820	0.0444	5.541	0.0	5.9
4.0		27.899	25.651	15.416	0.0574	5.318	0.0	7.6
5.0		27.845	27.409	16.750	0.0690	5.072	0.0	14.9
6.0		27.751	28.905	17.900	0.0794	4.915	0.0	64.7
7.0		27.727	29.310	18.212	0.0891	4.642	0.0	309.8
8.0		27.724	29.393	18.275	0.0986	4.374	0.0	491.5
9.0		27.723	29.368	18.256	0.1080	4.224	0.0	687.4
10.0		27.727	29.272	18.183	0.1176	4.106	0.0	1147.7
11.0		27.729	29.233	18.153	0.1271	3.887	0.0	1220.6
12.0		27.733	29.153	18.092	0.1367	3.922	0.0	1540.6
13.0		27.739	29.061	18.021	0.1464	3.881	0.0	1884.2
14.0		27.747	28.923	17.915	0.1562	3.877	0.0	2241.8
15.0		27.749	28.888	17.888	0.1660	3.746	0.0	2159.0



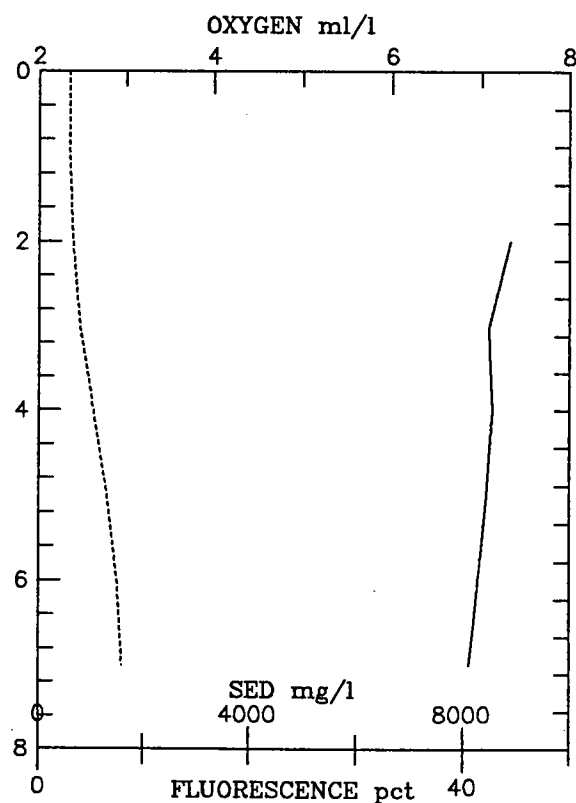
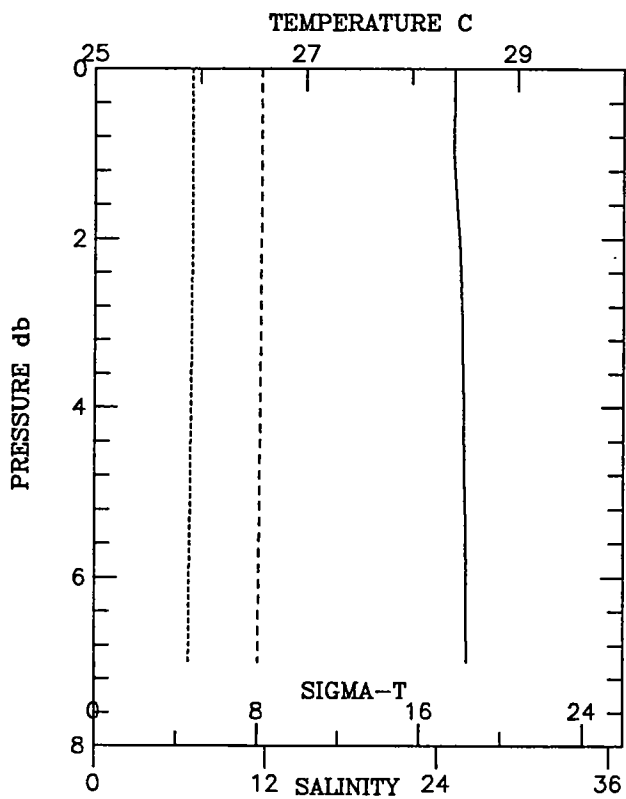
Cruise I9004 Leg 4 Station # 25 Depth m:13 Time: 1990-06-09 01:16
 Position: 2° 53.09'N 50° 42.95'W Depth Deck Offset: 0.47 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.825	15.038	7.207	0.0000	7.538	0.0	9.5
1.0		28.824	15.038	7.207	0.0202	7.539	0.0	9.5
2.0		28.874	15.076	7.220	0.0405	7.242	0.0	5.3
3.0		28.906	14.998	7.152	0.0608	6.964	0.0	4.2
4.0		28.901	15.028	7.176	0.0810	6.780	0.0	4.8
5.0		28.880	15.094	7.232	0.1013	6.668	0.0	6.1
6.0		28.826	15.233	7.352	0.1215	6.609	0.0	10.5
7.0		28.797	15.302	7.412	0.1415	6.506	0.0	15.0
8.0		28.687	15.577	7.650	0.1615	6.371	0.0	36.6
9.0		28.627	15.711	7.769	0.1812	6.124	0.0	64.9
10.0		28.437	16.389	8.333	0.2006	6.162	0.0	1294.6
11.0		28.399	16.475	8.409	0.2197	5.793	0.0	2576.8



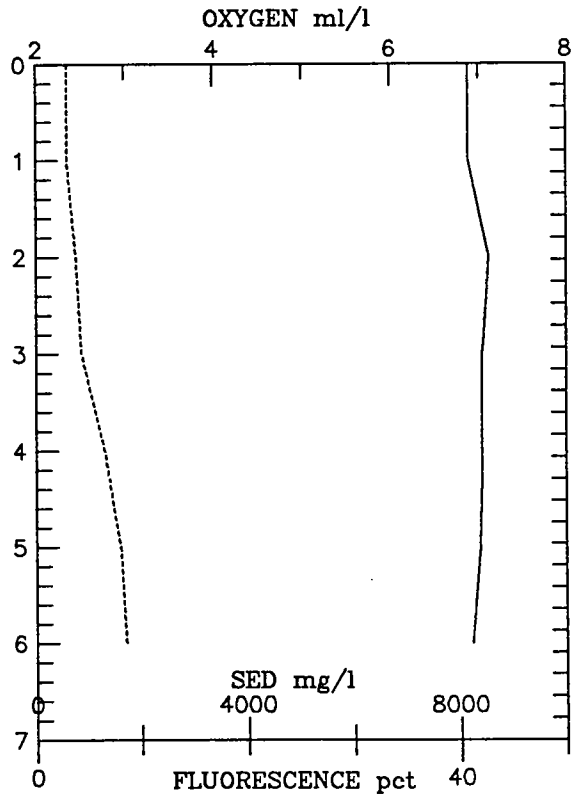
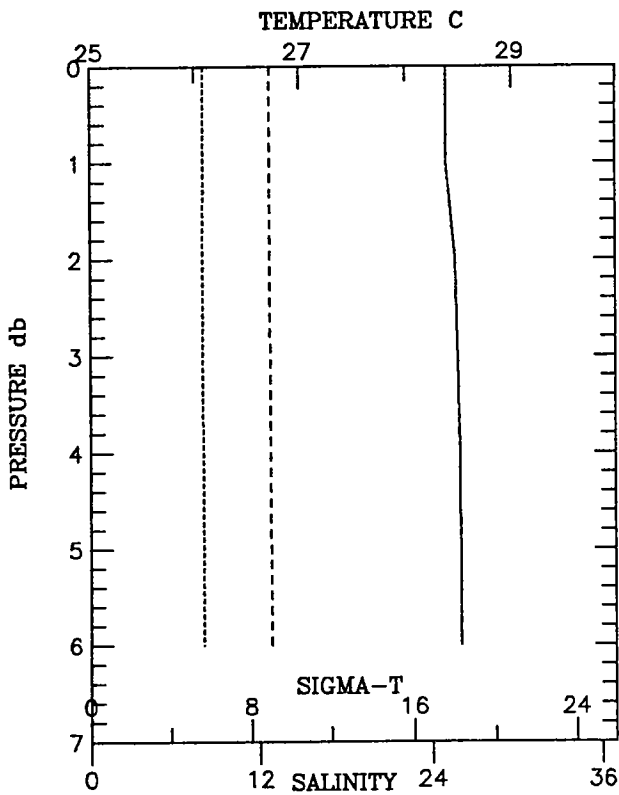
Cruise 19004 Leg 4 Station # 26 Depth m:7 Time: 1990-06-09 03:05
 Position: 2° 47.78'N 50° 51.98'W Depth Deck Offset: 0.47 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.399	11.651	4.816	0.0000	8.002	0.0	582.6
1.0		28.399	11.651	4.816	0.0226	8.003	0.0	582.6
2.0		28.453	11.642	4.792	0.0452	7.329	0.0	640.3
3.0		28.484	11.613	4.762	0.0679	7.091	0.0	784.0
4.0		28.493	11.588	4.740	0.0906	7.125	0.0	1040.6
5.0		28.508	11.537	4.698	0.1133	7.060	0.0	1302.4
6.0		28.518	11.479	4.651	0.1360	6.966	0.0	1500.6
7.0		28.522	11.445	4.625	0.1588	6.860	0.0	1595.2



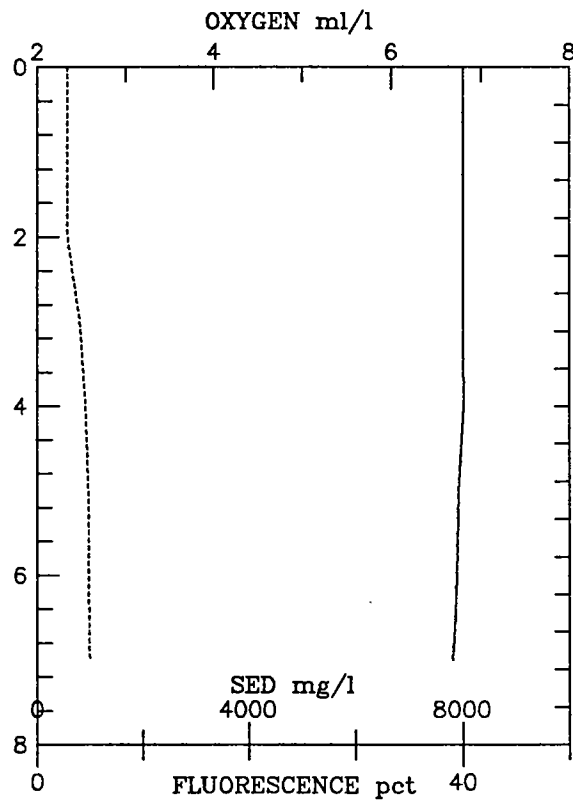
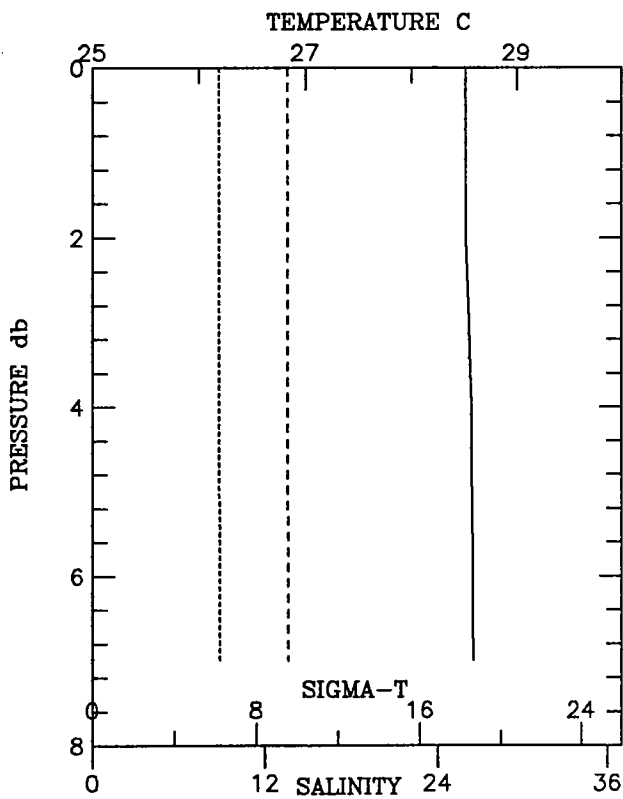
Cruise 19004 Leg 4 Station # 27 Depth m:10 Time: 1990-06-09 04:55
 Position: 2° 40.09'N 50° 48.13'W Depth Deck Offset: 0.47 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.386	12.750	5.638	0.0000	6.884	0.0	586.1
1.0	28.385	12.750	5.638	0.0218	6.885	0.0	586.1
2.0	28.467	12.758	5.619	0.0436	7.121	0.0	752.7
3.0	28.495	12.774	5.622	0.0654	7.040	0.0	860.3
4.0	28.512	12.796	5.634	0.0872	7.036	0.0	1299.2
5.0	28.517	12.814	5.645	0.1090	7.014	0.0	1599.6
6.0	28.519	12.826	5.654	0.1308	6.933	0.0	1702.7



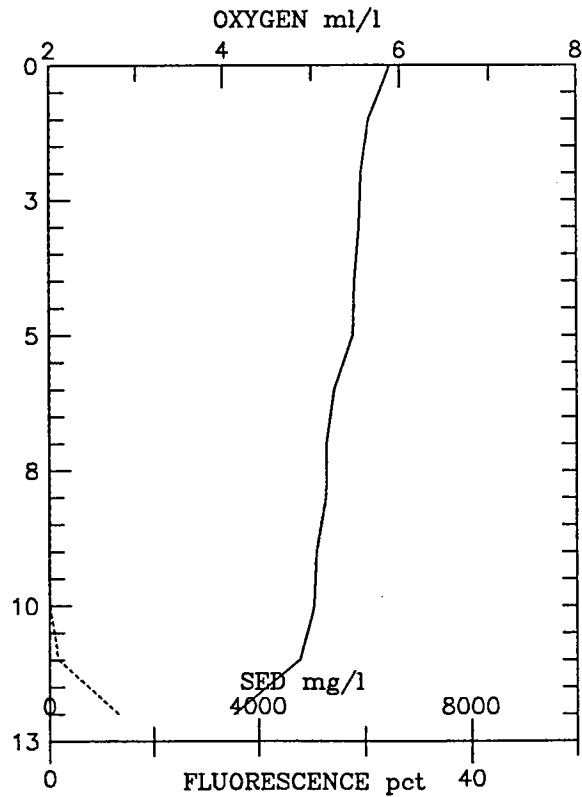
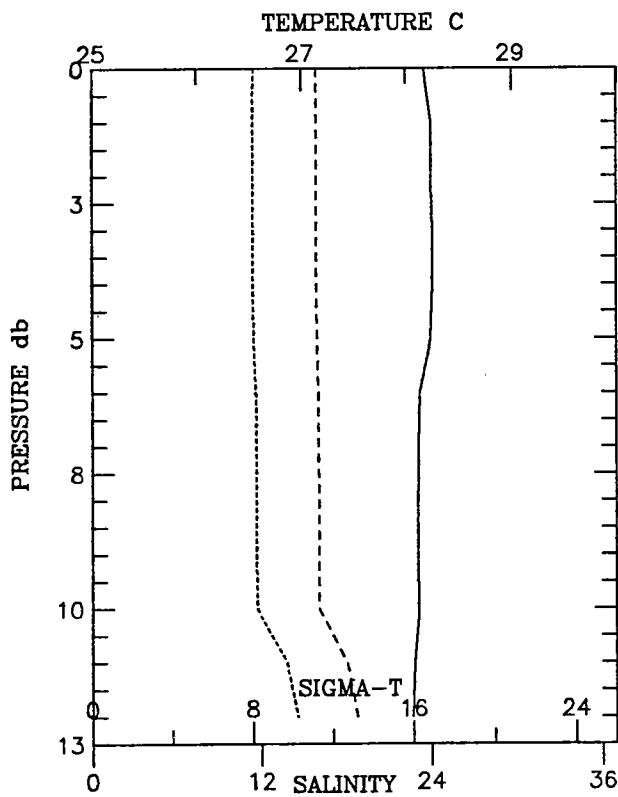
Cruise 19004 Leg 4 Station # 28 Depth m:9 Time: 1990-06-09 06:27
 Position: 2° 30.37'N 50° 42.99'W Depth Deck Offset: 0.00 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.512	13.544	6.191	0.0000	6.796	0.0	567.8
1.0	E 28.512	13.543	6.190	0.0213	6.797	0.0	567.8
2.0	28.512	13.543	6.190	0.0425	6.798	0.0	567.8
3.0	28.544	13.560	6.193	0.0638	6.802	0.0	798.6
4.0	28.565	13.569	6.193	0.0850	6.806	0.0	905.5
5.0	28.573	13.577	6.197	0.1062	6.747	0.0	959.5
6.0	28.579	13.585	6.201	0.1275	6.729	0.0	960.0
7.0	28.583	13.586	6.200	0.1487	6.683	0.0	984.9



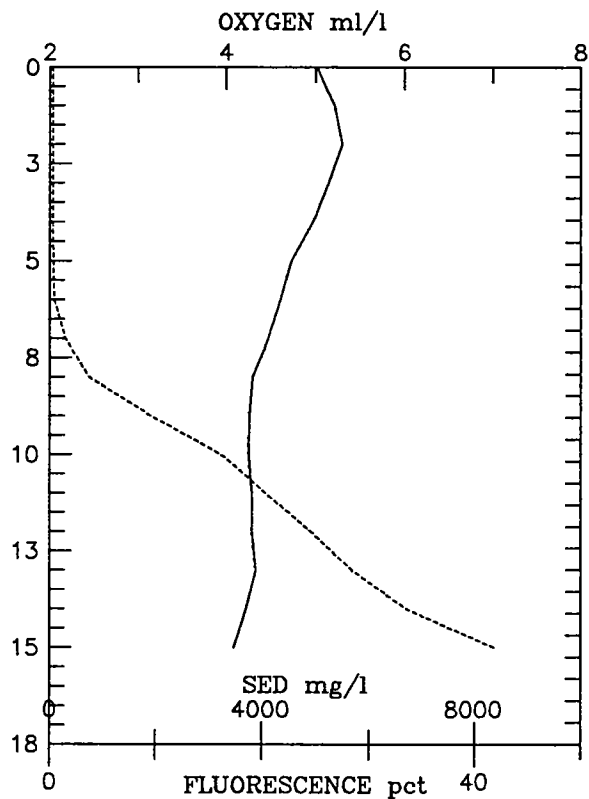
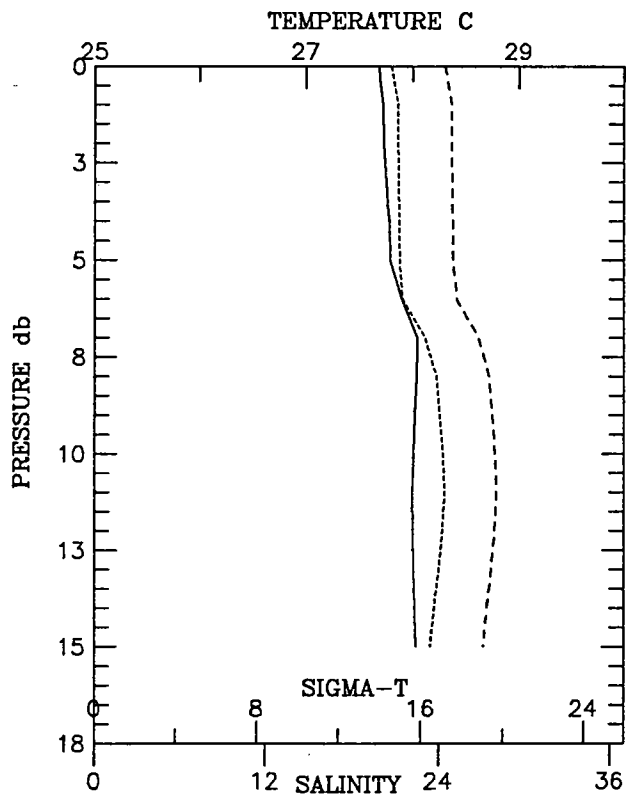
Cruise I9004 Leg 4 Station # 29 Depth m:18 Time: 1990-06-09 08:51
 Position: 2° 37.45'N 50° 30.04'W Depth Deck Offset: 0.05 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	28.180	15.894	8.043	0.0000	5.893	0.0	5.8
1.0	28.241	15.874	8.009	0.0194	5.646	0.0	6.1
2.0	28.248	15.876	8.009	0.0389	5.565	0.0	5.8
3.0	28.256	15.882	8.011	0.0584	5.540	0.0	5.8
4.0	28.257	15.890	8.016	0.0778	5.486	0.0	5.8
5.0	28.240	15.914	8.039	0.0973	5.470	0.0	6.3
6.0	28.132	16.024	8.154	0.1166	5.260	0.0	8.0
7.0	28.121	16.035	8.166	0.1359	5.166	0.0	8.3
8.0	28.120	16.046	8.174	0.1552	5.164	0.0	9.4
9.0	28.120	16.054	8.180	0.1745	5.050	0.0	9.6
10.0	28.123	16.067	8.189	0.1938	5.023	0.0	11.1
11.0	28.086	18.049	9.678	0.2124	4.861	0.0	171.3
12.0	28.070	18.775	10.225	0.2299	4.123	0.0	1325.6



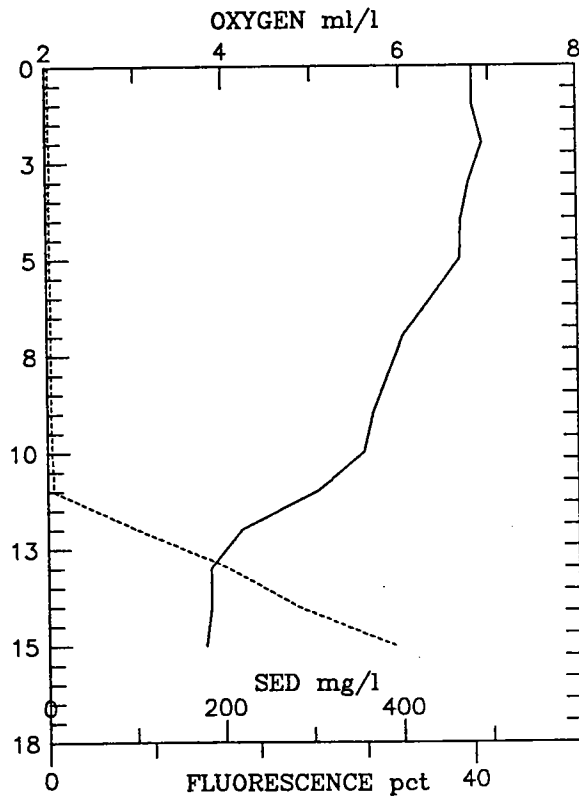
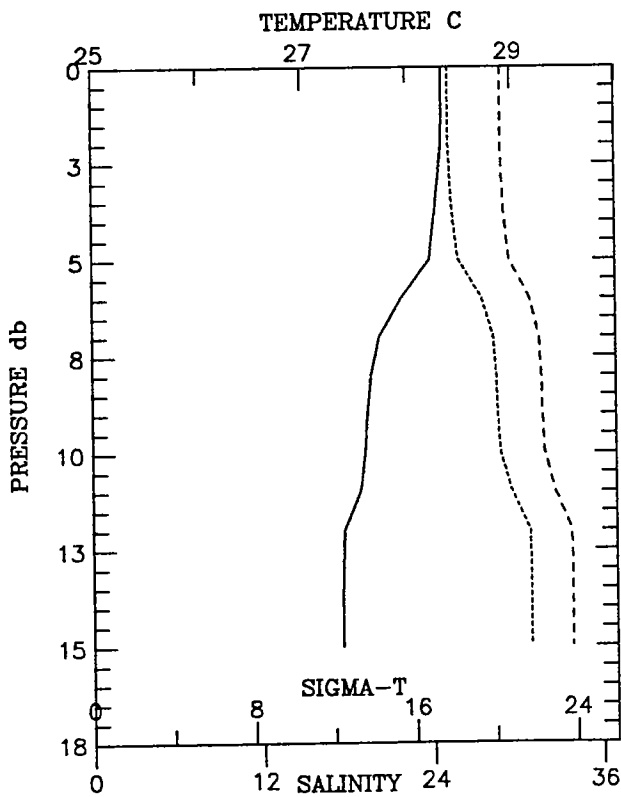
Cruise I9004 Leg 4 Station # 30 Depth m:17 Time: 1990-06-09 10:59
 Position: 2° 43.88'N 50° 18.91'W Depth Deck Offset: -0.08 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.685	24.440	14.576	0.0000	5.019	0.0	53.8
1.0		27.726	24.891	14.901	0.0129	5.216	0.0	51.7
2.0		27.730	24.892	14.901	0.0256	5.304	0.0	54.7
3.0		27.753	24.929	14.921	0.0383	5.143	0.0	52.4
4.0		27.781	24.978	14.949	0.0510	4.973	0.0	54.4
5.0		27.792	25.005	14.966	0.0637	4.732	0.0	62.6
6.0		27.901	25.248	15.113	0.0763	4.609	0.0	86.9
7.0		28.041	26.784	16.219	0.0883	4.473	0.0	297.8
8.0		28.036	27.526	16.776	0.0994	4.292	0.0	748.0
9.0		28.022	27.723	16.929	0.1103	4.258	0.0	1919.5
10.0		28.007	27.918	17.080	0.1210	4.250	0.0	3245.0
11.0		27.996	28.016	17.156	0.1315	4.286	0.0	4075.0
12.0		28.000	27.880	17.053	0.1421	4.291	0.0	4924.9
13.0		28.009	27.647	16.876	0.1529	4.335	0.0	5684.4
14.0		28.023	27.345	16.645	0.1638	4.220	0.0	6715.3
15.0		28.033	27.093	16.453	0.1749	4.081	0.0	8364.3



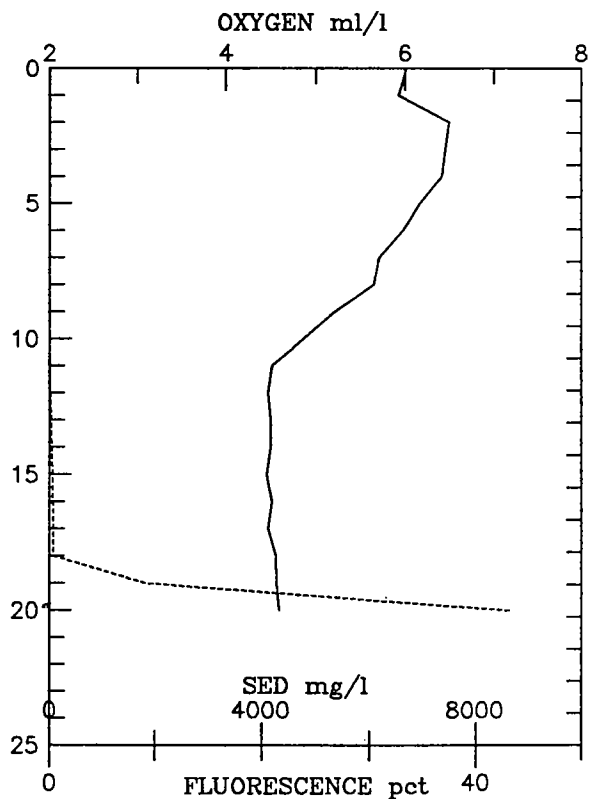
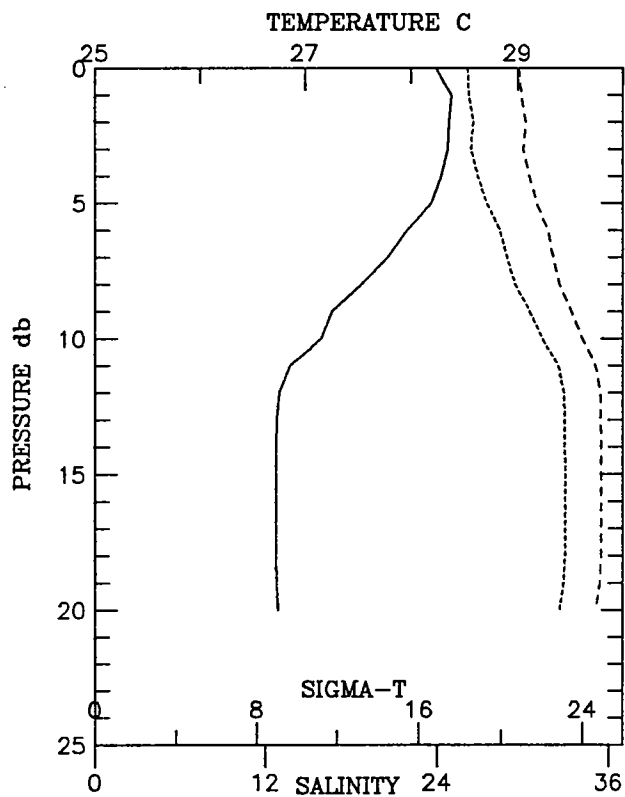
Cruise I9004 Leg 4 Station # 31 Depth m:17 Time: 1990-06-09 12:46
 Position: 2° 51.25'N 50° 6.19'W Depth Deck Offset: 0.17 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.348	28.940	17.736	0.0000	6.824	0.0	3.5
1.0		28.348	28.939	17.735	0.0100	6.825	0.0	3.5
2.0		28.342	28.943	17.740	0.0200	6.929	0.0	3.6
3.0		28.306	29.019	17.809	0.0299	6.773	0.0	3.6
4.0		28.265	29.183	17.945	0.0397	6.684	0.0	3.5
5.0		28.220	29.483	18.183	0.0494	6.669	0.0	3.5
6.0		27.948	30.927	19.354	0.0584	6.346	0.0	3.7
7.0		27.732	31.576	19.910	0.0665	6.019	0.0	3.7
8.0		27.655	31.736	20.055	0.0744	5.854	0.0	3.8
9.0		27.622	31.800	20.114	0.0821	5.682	0.0	4.0
10.0		27.596	31.951	20.236	0.0897	5.581	0.0	4.8
11.0		27.545	32.674	20.796	0.0970	5.057	0.0	6.5
12.0		27.398	33.798	21.687	0.1036	4.200	0.0	102.1
13.0		27.382	33.848	21.730	0.1098	3.844	0.0	205.7
14.0		27.378	33.849	21.732	0.1159	3.845	0.0	281.7
15.0		27.380	33.838	21.723	0.1221	3.788	0.0	389.6



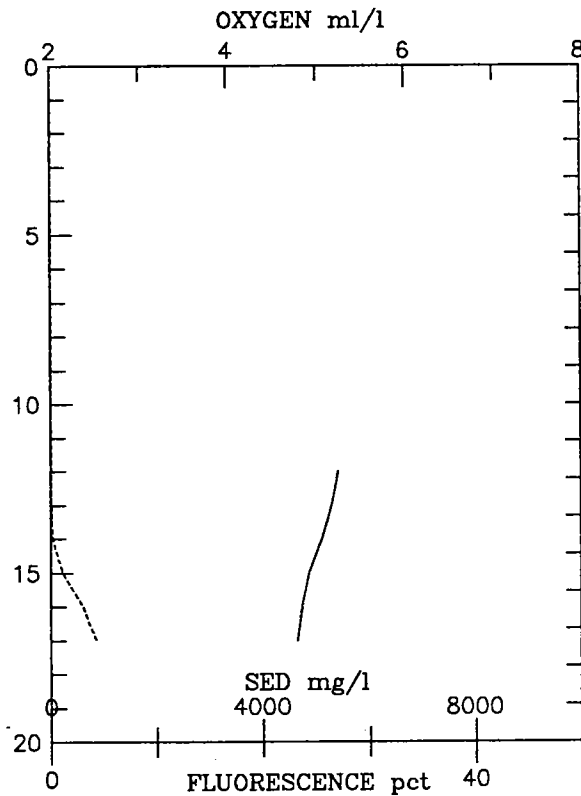
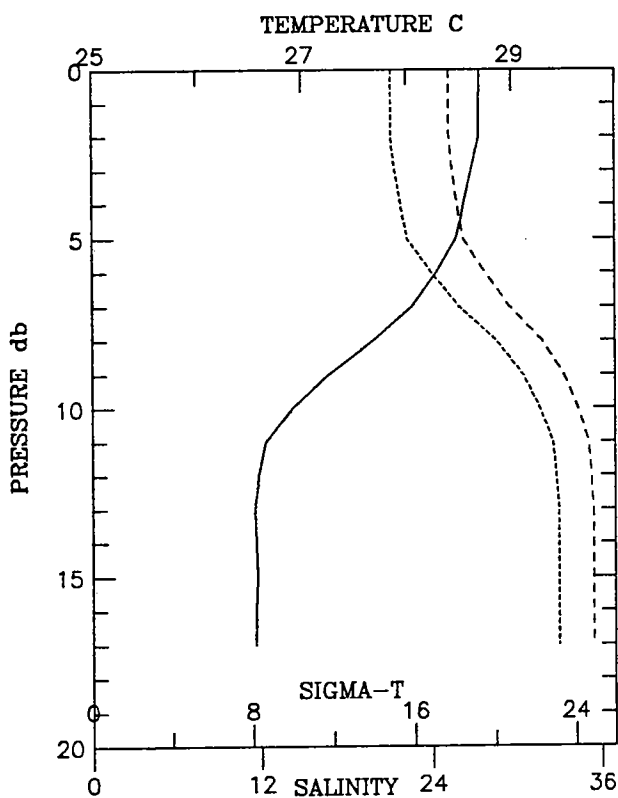
Cruise 19004 Leg 4 Station # 32 Depth m:22 Time: 1990-06-09 14:11
 Position: 2° 59.38'N 49° 53.00'W Depth Deck Offset: 0.17 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.234	29.708	18.347	0.0000	6.014	0.0	4.0
1.0	28.379	29.869	18.422	0.0094	5.923	0.0	3.9
2.0	28.351	30.129	18.625	0.0186	6.492	0.0	3.8
3.0	28.344	29.978	18.515	0.0277	6.450	0.0	3.8
4.0	28.284	30.394	18.846	0.0368	6.412	0.0	3.9
5.0	28.188	30.933	19.281	0.0455	6.163	0.0	3.9
6.0	27.967	31.706	19.933	0.0537	5.979	0.0	3.8
7.0	27.781	32.082	20.275	0.0614	5.707	0.0	3.8
8.0	27.533	32.506	20.673	0.0687	5.651	0.0	3.9
9.0	27.256	33.355	21.400	0.0756	5.210	0.0	4.0
10.0	27.156	34.132	22.016	0.0817	4.865	0.0	3.8
11.0	26.855	35.058	22.809	0.0872	4.514	0.0	4.4
12.0	26.752	35.376	23.082	0.0922	4.473	0.0	14.1
13.0	26.728	35.420	23.123	0.0970	4.498	0.0	27.5
14.0	26.724	35.427	23.129	0.1018	4.501	0.0	40.5
15.0	26.722	35.434	23.135	0.1066	4.454	0.0	53.8
16.0	26.723	35.436	23.136	0.1114	4.517	0.0	59.8
17.0	26.726	35.433	23.133	0.1162	4.469	0.0	66.9
18.0	26.726	35.433	23.133	0.1210	4.555	0.0	70.8
19.0	26.732	35.343	23.064	0.1259	4.565	0.0	1814.3
20.0	26.739	35.092	22.872	0.1309	4.592	0.0	8637.9



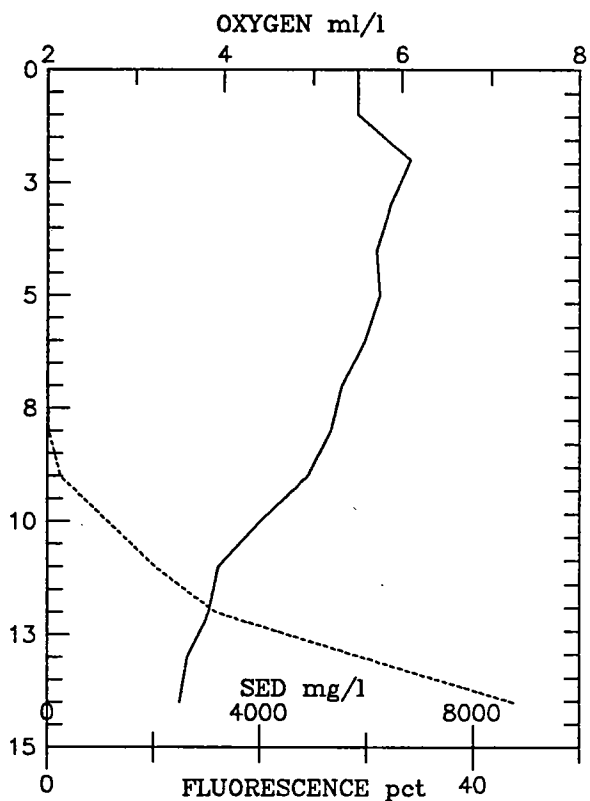
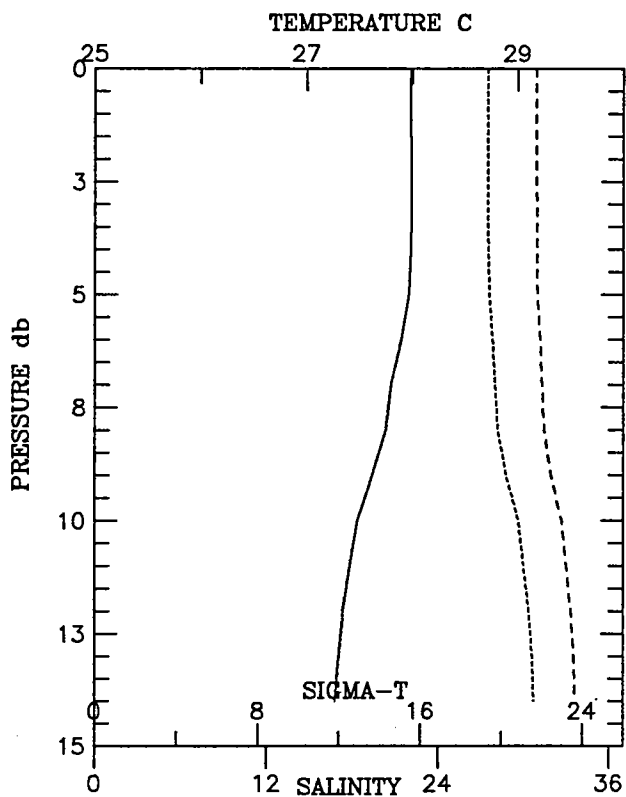
Cruise I9004 Leg 4 Station # 33 Depth m:20 Time: 1990-06-09 16:51
 Position: 2° 45.38'N 49° 42.36'W Depth Deck Offset: 0.20 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.697	25.231	14.848	0.0000	0.000	0.0	4.6
1.0	E	28.697	25.231	14.848	0.0128	0.000	0.0	4.6
2.0		28.697	25.231	14.848	0.0255	0.000	0.0	4.6
3.0		28.621	25.460	15.044	0.0382	0.000	0.0	4.6
4.0		28.545	25.805	15.326	0.0507	0.000	0.0	4.5
5.0		28.476	26.210	15.651	0.0628	0.000	0.0	4.5
6.0		28.286	27.729	16.849	0.0742	0.000	0.0	4.4
7.0		28.049	29.447	18.211	0.0844	0.000	0.0	4.3
8.0		27.679	31.738	20.049	0.0931	0.000	0.0	4.2
9.0		27.256	33.297	21.356	0.1002	0.000	0.0	4.4
10.0		26.917	34.286	22.209	0.1063	5.361	0.0	4.9
11.0		26.660	35.052	22.867	0.1117	0.000	0.0	6.8
12.0		26.596	35.237	23.027	0.1166	5.244	0.0	8.1
13.0		26.560	35.388	23.152	0.1215	5.165	0.0	10.5
14.0		26.574	35.397	23.154	0.1263	5.058	0.0	30.4
15.0		26.583	35.403	23.156	0.1311	4.918	0.0	224.2
16.0		26.573	35.395	23.153	0.1358	4.832	0.0	604.0
17.0		26.566	35.392	23.153	0.1406	4.781	0.0	844.3



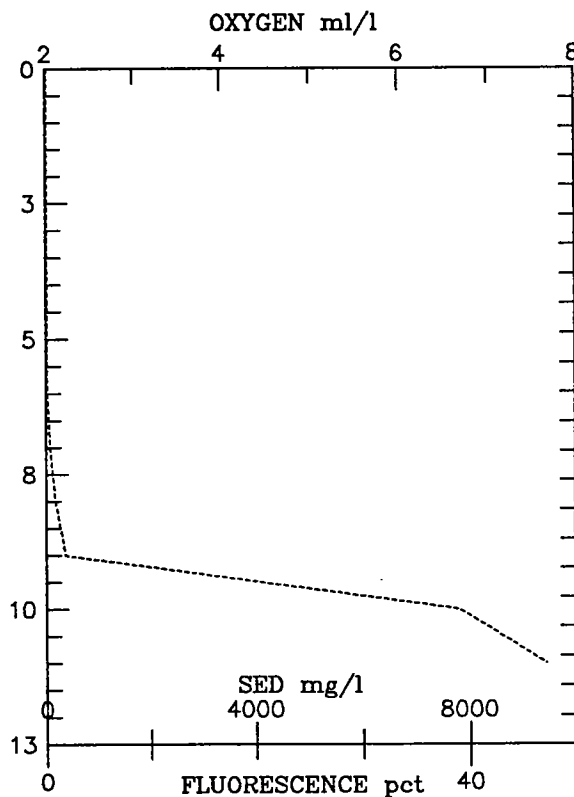
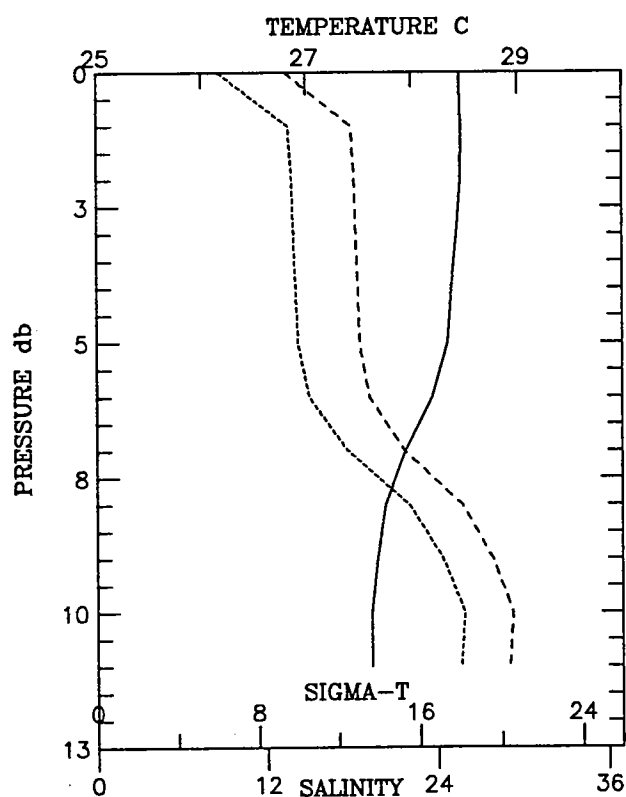
Cruise 19004 Leg 4 Station # 34 Depth m:16 Time: 1990-06-09 18:13
 Position: 2° 38.66'N 49° 52.19'W Depth Deck Offset: 0.20 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.982	30.903	19.325	0.0000	5.505	0.0	5.0
1.0	27.982	30.903	19.325	0.0084	5.505	0.0	5.0
2.0	27.992	30.926	19.339	0.0169	6.091	0.0	4.6
3.0	27.989	30.931	19.344	0.0253	5.866	0.0	4.5
4.0	27.986	30.937	19.350	0.0337	5.714	0.0	4.5
5.0	27.964	30.992	19.398	0.0422	5.749	0.0	4.5
6.0	27.891	31.179	19.562	0.0505	5.582	0.0	4.6
7.0	27.798	31.304	19.685	0.0586	5.318	0.0	4.9
8.0	27.747	31.457	19.816	0.0667	5.199	0.0	20.1
9.0	27.620	31.953	20.230	0.0744	4.937	0.0	243.2
10.0	27.478	32.684	20.825	0.0817	4.405	0.0	1138.7
11.0	27.407	33.012	21.094	0.0886	3.929	0.0	2029.2
12.0	27.344	33.339	21.359	0.0952	3.820	0.0	3172.0
13.0	27.303	33.545	21.527	0.1017	3.586	0.0	5938.0
14.0	27.268	33.628	21.601	0.1080	3.499	0.0	8757.7



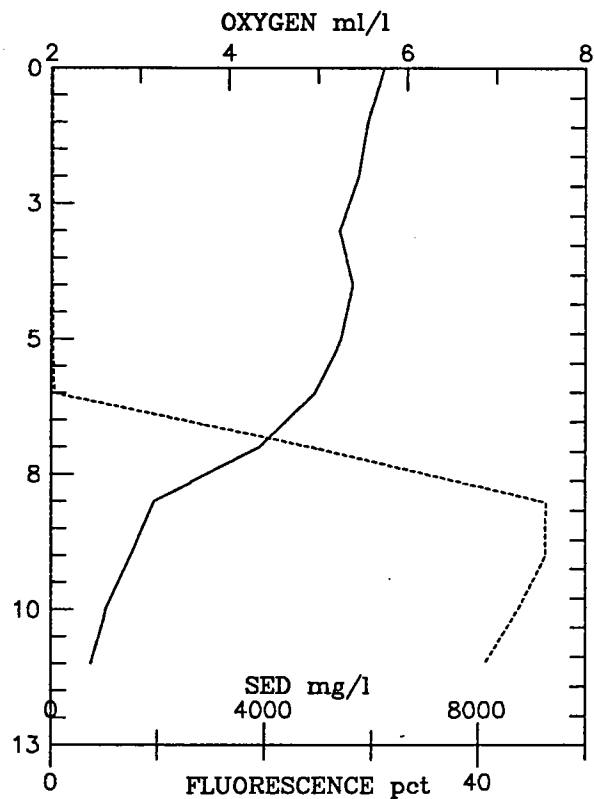
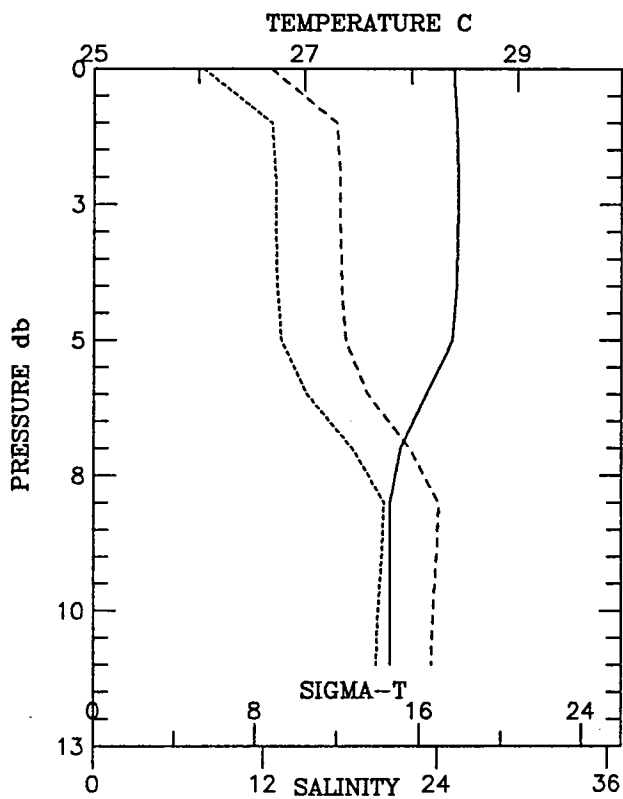
Cruise I9004 Leg 4 Station # 35 Depth m:13 Time: 1990-06-09 19:42
 Position: 2° 34.47'N 50° 2.04'W Depth Deck Offset: 0.23 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.457	13.365	6.074	0.0000	0.000	0.0	13.2
1.0	28.469	18.017	9.536	0.0197	0.000	0.0	13.5
2.0	28.462	18.244	9.707	0.0375	0.000	0.0	13.2
3.0	28.423	18.341	9.792	0.0553	0.000	0.0	14.6
4.0	28.380	18.466	9.898	0.0729	0.000	0.0	15.4
5.0	28.343	18.595	10.006	0.0905	0.000	0.0	17.4
6.0	28.196	19.260	10.548	0.1077	0.000	0.0	20.0
7.0	27.943	21.734	12.474	0.1237	0.000	0.0	72.2
8.0	27.756	25.689	15.489	0.1374	0.000	0.0	171.0
9.0	27.676	27.846	17.130	0.1487	0.000	0.0	365.9
10.0	27.622	29.210	18.170	0.1588	0.000	0.0	7802.0
11.0	27.619	28.970	17.991	0.1684	0.000	0.0	9440.5



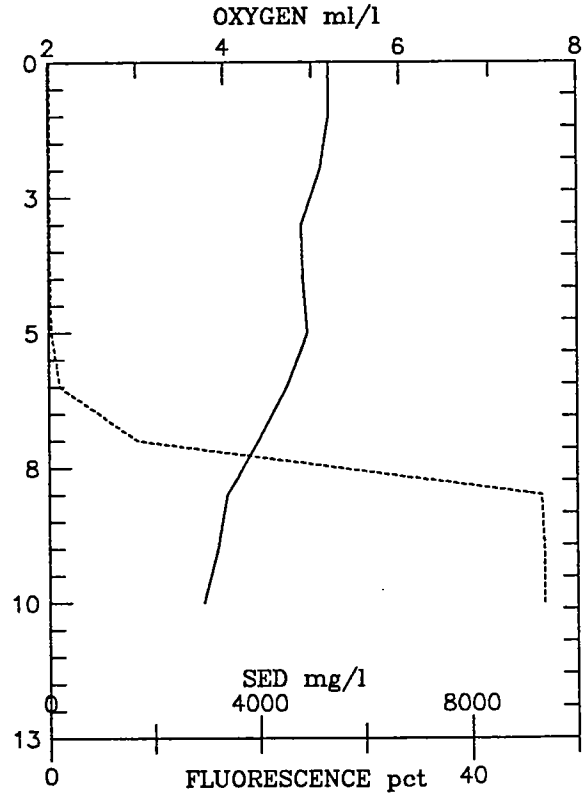
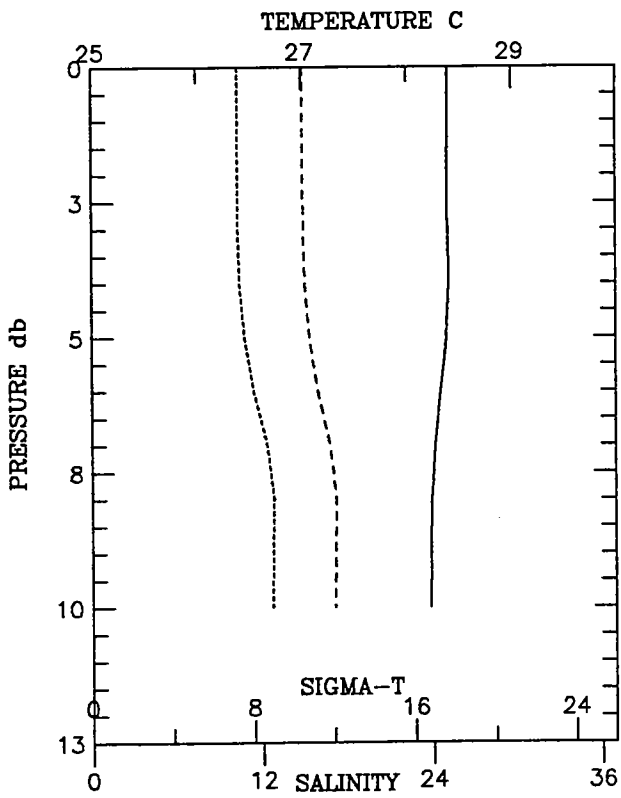
Cruise I9004 Leg 4 Station # 36 Depth m:13 Time: 1990-06-09 20:56
 Position: 2° 26.57'N 50° 10.54'W Depth Deck Offset: 0.23 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.404	12.508	5.452	0.0000	5.735	0.0	22.5
1.0	28.424	17.053	8.832	0.0203	5.553	0.0	23.0
2.0	28.436	17.292	9.006	0.0389	5.452	0.0	23.5
3.0	28.433	17.306	9.017	0.0574	5.239	0.0	21.8
4.0	28.424	17.400	9.090	0.0758	5.390	0.0	22.9
5.0	28.382	17.659	9.296	0.0941	5.256	0.0	28.3
6.0	28.144	19.201	10.520	0.1117	4.962	0.0	52.6
7.0	27.896	22.066	12.736	0.1276	4.336	0.0	4883.8
8.0	27.803	24.091	14.279	0.1417	3.163	0.0	9266.6
9.0	27.799	23.950	14.175	0.1550	2.901	0.0	9256.1
10.0	27.799	23.711	13.996	0.1686	2.615	0.0	8737.5
11.0	27.800	23.580	13.898	0.1822	2.449	0.0	8114.0



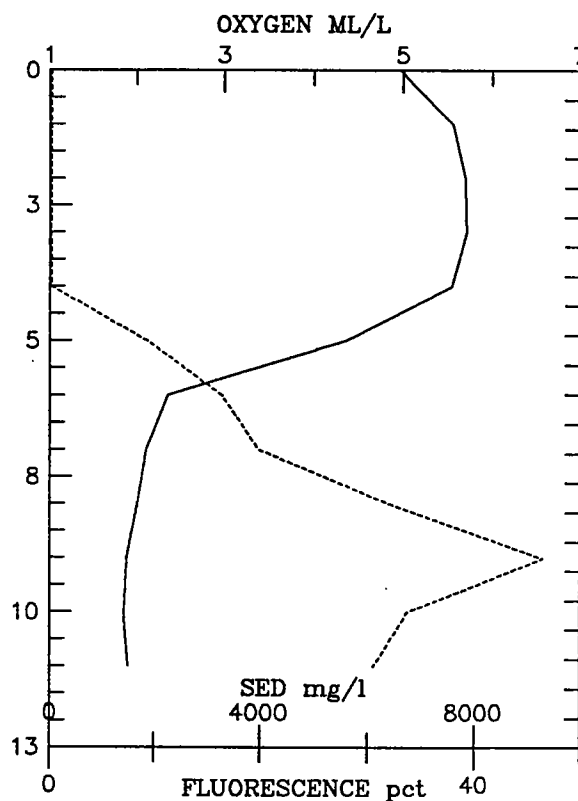
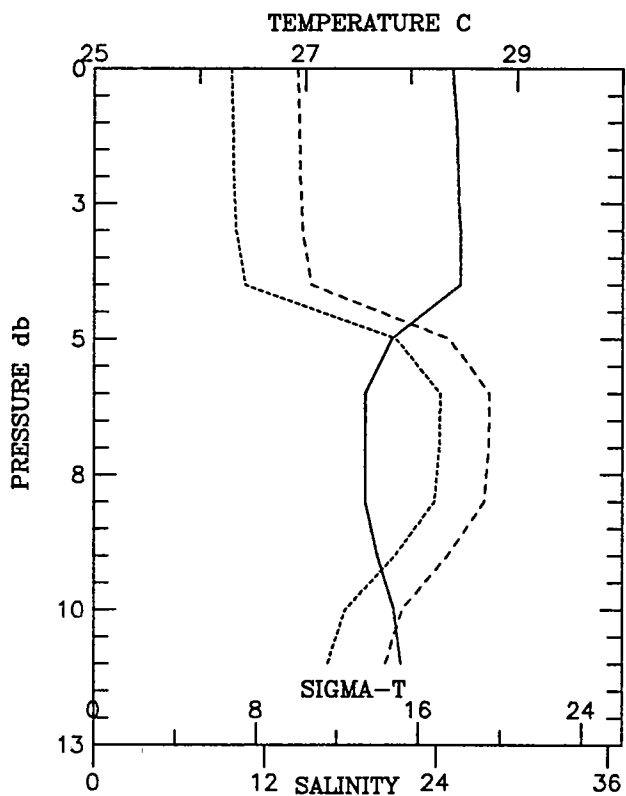
Cruise 19004 Leg 4 Station # 37 Depth m:13 Time: 1990-06-09 21:55
 Position: 2° 20.66'N 50° 18.63'W Depth Deck Offset: 0.23 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.397	14.912	7.244	0.0000	5.198	0.0	21.2
1.0		28.397	14.912	7.244	0.0202	5.198	0.0	21.2
2.0		28.393	14.917	7.249	0.0404	5.096	0.0	20.9
3.0		28.398	14.932	7.259	0.0606	4.889	0.0	21.7
4.0		28.403	15.031	7.331	0.0808	4.898	0.0	24.1
5.0		28.376	15.350	7.577	0.1008	4.947	0.0	42.7
6.0		28.326	15.919	8.017	0.1205	4.718	0.0	203.7
7.0		28.271	16.792	8.684	0.1396	4.386	0.0	1684.4
8.0		28.235	17.209	9.006	0.1582	4.036	0.0	9319.3
9.0		28.224	17.141	8.958	0.1767	3.922	0.0	9370.6
10.0		28.220	17.088	8.920	0.1953	3.764	0.0	9371.7



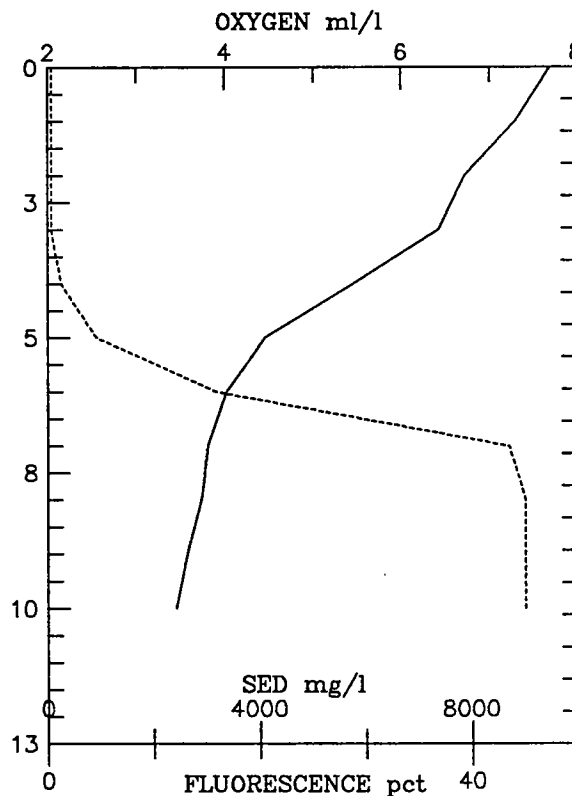
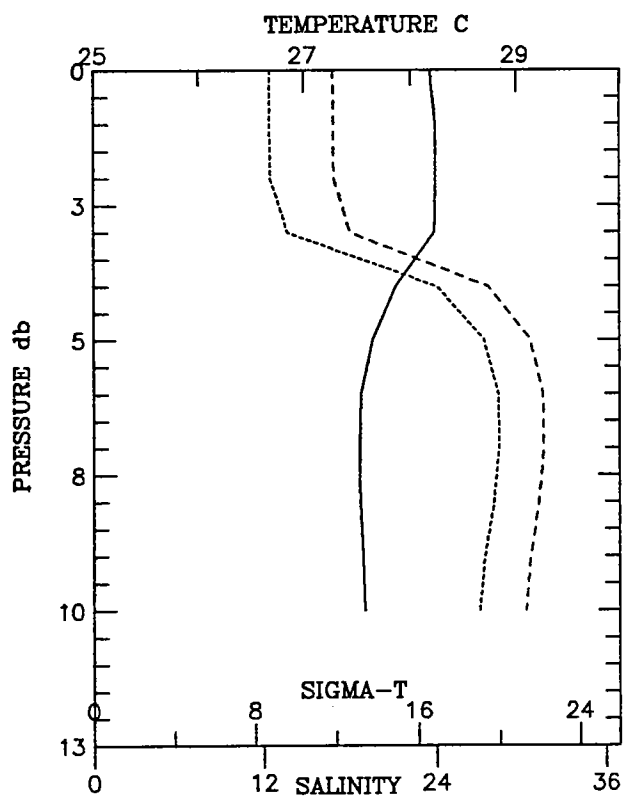
Cruise I9004 Leg 4 Station # 38 Depth m:14 Time: 1990-06-09 23:56
 Position: 2° 14.60'N 50° 6.32'W Depth Deck Offset: 0.08 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	28.399	14.239	6.743	0.0000	4.967	0.0	34.9
1.0	28.430	14.364	6.827	0.0207	5.560	0.0	26.7
2.0	28.446	14.419	6.863	0.0413	5.699	0.0	24.9
3.0	28.468	14.600	6.990	0.0618	5.709	0.0	23.4
4.0	28.470	15.218	7.450	0.0820	5.542	0.0	26.7
5.0	27.818	24.905	14.883	0.0984	4.368	0.0	1867.3
6.0	27.574	27.701	17.054	0.1101	2.359	0.0	3287.0
7.0	27.569	27.643	17.012	0.1208	2.112	0.0	3969.5
8.0	27.575	27.329	16.774	0.1316	2.010	0.0	6406.7
9.0	27.685	24.775	14.827	0.1434	1.887	0.0	9297.6
10.0	27.844	21.595	12.400	0.1574	1.857	0.0	6735.7
11.0	27.910	20.446	11.522	0.1730	1.899	0.0	6110.5



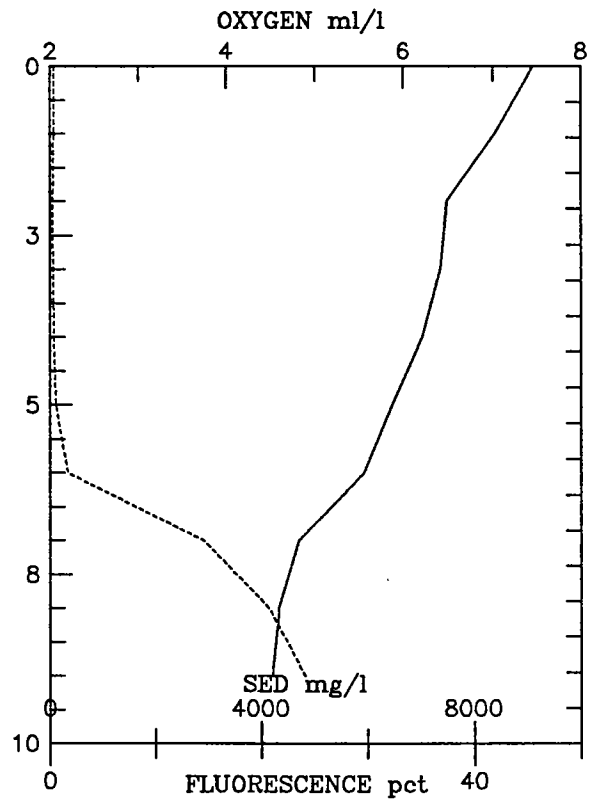
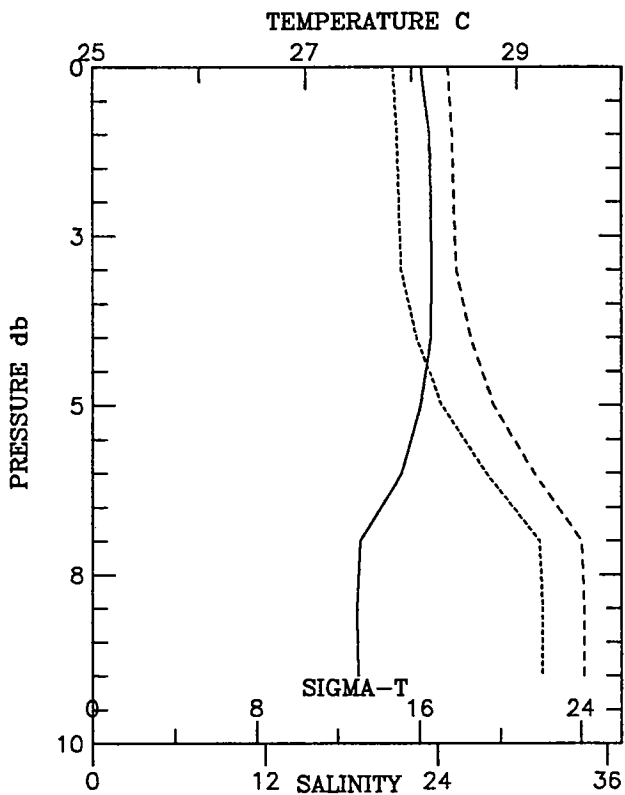
Cruise 19004 Leg 4 Station # 39 Depth m:13 Time: 1990-06-10 01:30
 Position: 2° 8.49'N 49° 55.41'W Depth Deck Offset: 0.08 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	28.188	16.846	8.750	0.0000	7.702	0.0	68.0
1.0	28.237	16.854	8.741	0.0187	7.305	0.0	65.4
2.0	28.240	16.914	8.784	0.0375	6.721	0.0	64.9
3.0	28.223	18.042	9.631	0.0557	6.423	0.0	64.9
4.0	27.863	27.649	16.924	0.0700	5.455	0.0	251.6
5.0	27.644	30.636	19.234	0.0797	4.454	0.0	925.5
6.0	27.537	31.515	19.927	0.0879	4.022	0.0	3184.8
7.0	27.522	31.558	19.964	0.0958	3.811	0.0	8703.0
8.0	27.528	31.210	19.701	0.1037	3.738	0.0	9022.4
9.0	27.555	30.627	19.254	0.1120	3.577	0.0	9021.5
10.0	27.569	30.301	19.006	0.1207	3.448	0.0	9014.3



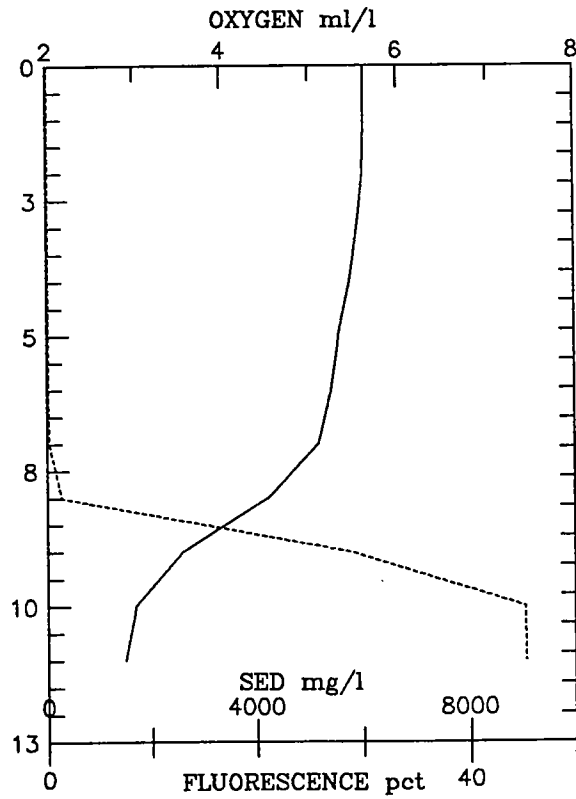
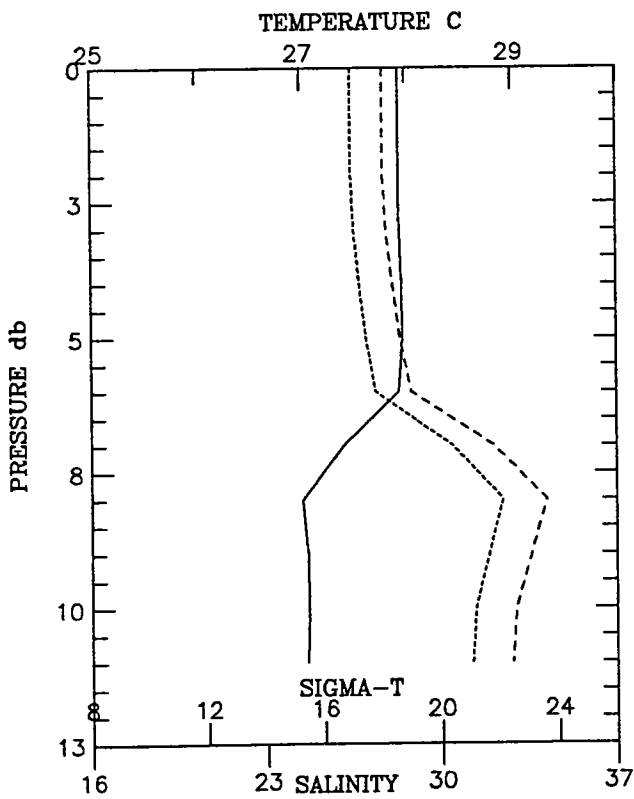
Cruise 19004 Leg 4 Station # 40 Depth m:12 Time: 1990-06-10 03:48
 Position: 2° 14.80'N 49° 44.00'W Depth Deck Offset: 0.10 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.091	24.770	14.696	0.0000	7.455	0.0	60.4
1.0		28.169	25.066	14.893	0.0128	7.023	0.0	62.2
2.0		28.182	25.175	14.971	0.0255	6.489	0.0	46.7
3.0		28.191	25.343	15.094	0.0381	6.415	0.0	50.0
4.0		28.186	26.342	15.842	0.0503	6.212	0.0	67.7
5.0		28.085	27.967	17.091	0.0615	5.875	0.0	105.5
6.0		27.906	30.833	19.297	0.0710	5.552	0.0	335.7
7.0		27.521	34.180	21.935	0.0782	4.819	0.0	2911.9
8.0		27.487	34.366	22.086	0.0841	4.595	0.0	4144.9
9.0		27.497	34.349	22.070	0.0899	4.521	0.0	4819.2



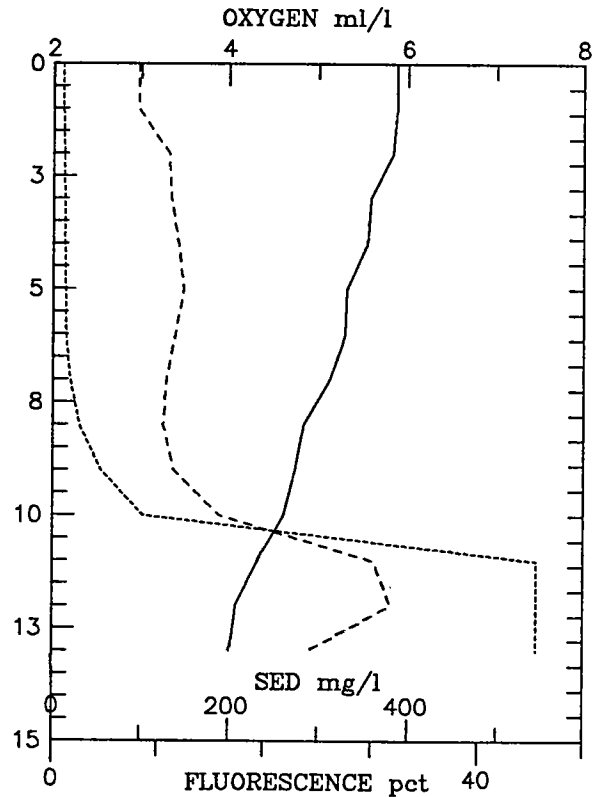
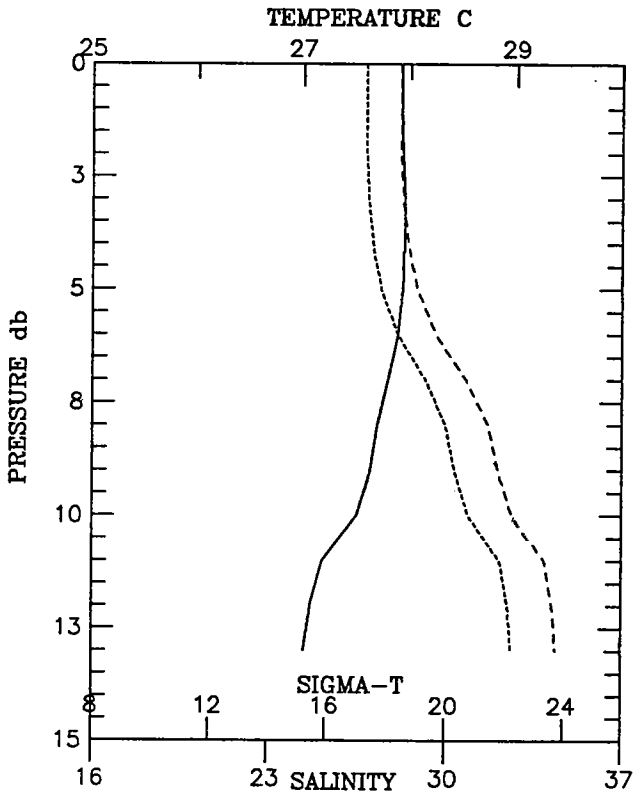
Cruise I9004 Leg 4 Station # 41.00 Depth m:13 Time: 1990-06-10 05:08
 Position: 2° 23.25'N 49° 44.91'W Depth Deck Offset: -0.03 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.943	27.725	16.955	0.0000	5.625	0.0	18.1
1.0		27.942	27.725	16.955	0.0107	5.625	0.0	18.1
2.0		27.942	27.732	16.961	0.0215	5.611	0.0	17.9
3.0		27.950	27.849	17.046	0.0322	5.549	0.0	17.6
4.0		27.966	28.096	17.226	0.0427	5.460	0.0	17.6
5.0		27.969	28.388	17.444	0.0531	5.331	0.0	17.0
6.0		27.934	28.820	17.778	0.0632	5.250	0.0	18.9
7.0		27.408	32.067	20.383	0.0719	5.106	0.0	35.2
8.0		27.017	34.181	22.098	0.0785	4.536	0.0	265.7
9.0		27.062	33.564	21.619	0.0845	3.556	0.0	5772.2
10.0		27.070	32.953	21.157	0.0910	3.007	0.0	9038.8
11.0		27.058	32.798	21.044	0.0977	2.890	0.0	9053.4



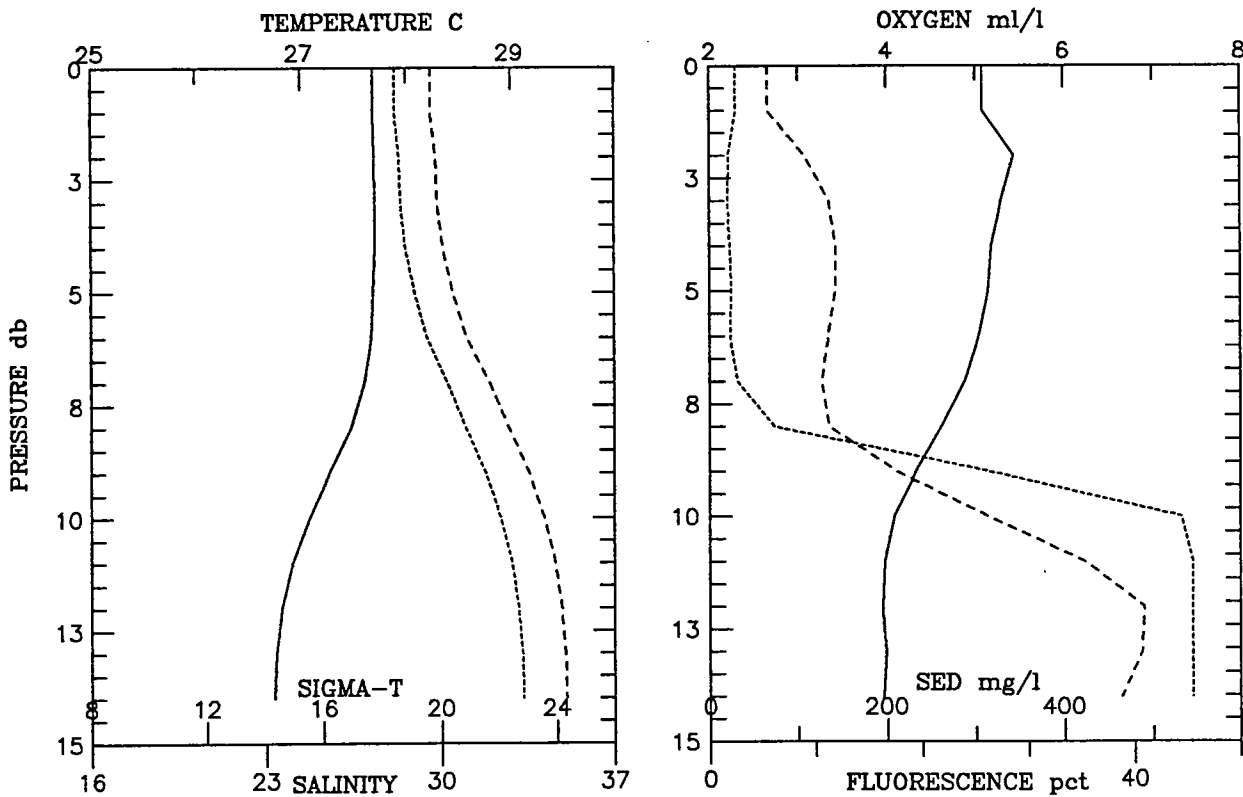
Cruise I9004 Leg 4 Station # 42.01 Depth m:16 Time: 1990-06-10 06:19
 Position: 2° 32.04'N 49° 46.17'W Depth Deck Offset: 0.10 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.918	28.221	17.335	0.0000	5.876	8.1	10.9
1.0		27.918	28.221	17.335	0.0104	5.876	8.1	10.9
2.0		27.929	28.228	17.337	0.0207	5.828	11.0	11.9
3.0		27.948	28.324	17.402	0.0311	5.581	11.2	12.5
4.0		27.947	28.531	17.557	0.0413	5.548	11.9	13.1
5.0		27.927	28.891	17.834	0.0513	5.325	12.4	13.9
6.0		27.886	29.611	18.387	0.0609	5.298	11.6	14.6
7.0		27.796	30.820	19.323	0.0698	5.133	10.8	19.5
8.0		27.702	31.688	20.004	0.0780	4.840	10.5	30.2
9.0		27.634	32.072	20.314	0.0856	4.745	11.5	54.6
10.0		27.510	32.633	20.776	0.0929	4.621	15.8	102.7
11.0		27.190	33.923	21.848	0.0994	4.332	30.2	545.5
12.0		27.072	34.242	22.126	0.1053	4.086	31.8	545.5
13.0		27.016	34.381	22.249	0.1110	4.016	24.1	545.5



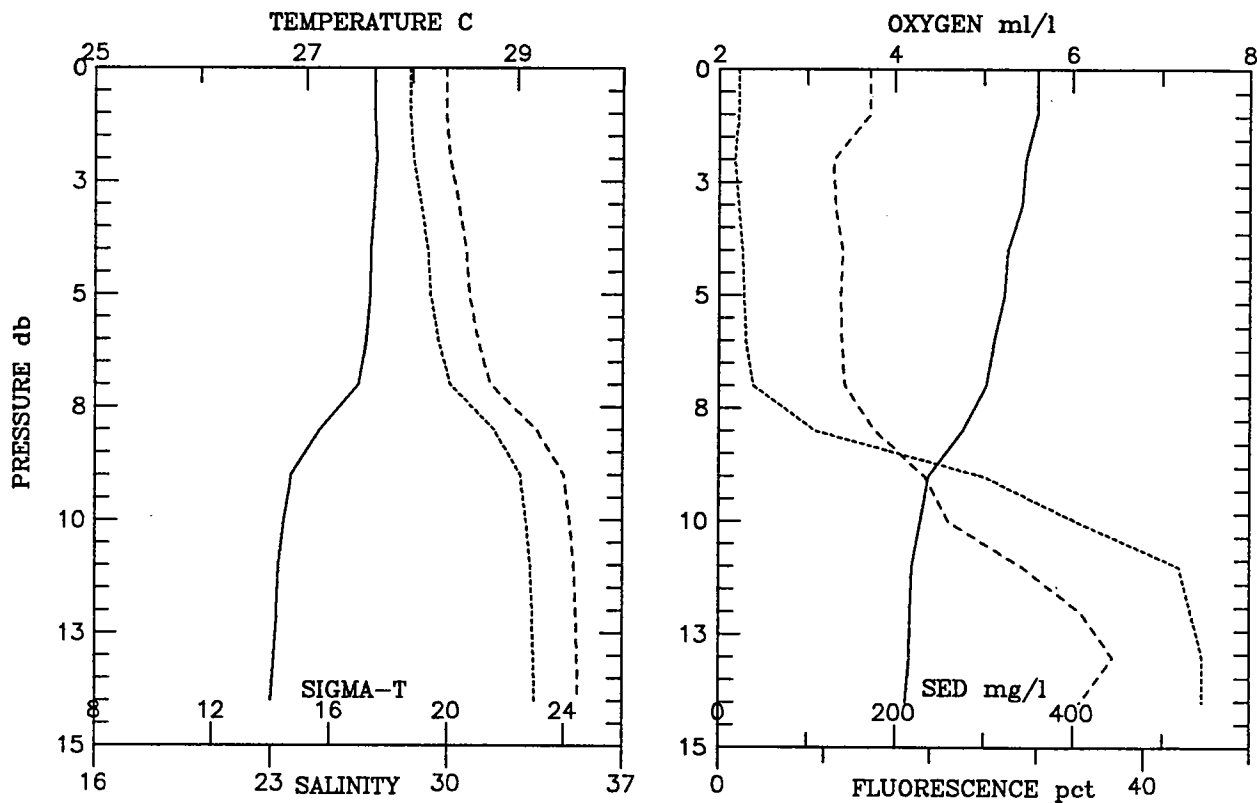
Cruise 19004 Leg 4 Station # 42.02 Depth m:17 Time: 1990-06-10 07:27
 Position: 2° 31.96'N 49° 46.82'W Depth Deck Offset: -0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.693	29.594	18.436	0.0000	5.083	5.5	29.6
1.0	27.693	29.594	18.436	0.0097	5.083	5.5	29.6
2.0	27.706	29.806	18.591	0.0190	5.441	9.0	21.3
3.0	27.712	29.865	18.633	0.0281	5.292	11.3	20.6
4.0	27.711	30.087	18.800	0.0371	5.186	11.9	22.7
5.0	27.694	30.505	19.119	0.0459	5.149	11.9	24.7
6.0	27.676	31.044	19.529	0.0544	5.040	11.2	23.3
7.0	27.608	31.957	20.237	0.0623	4.877	10.6	31.6
8.0	27.482	32.745	20.869	0.0696	4.616	11.3	73.3
9.0	27.277	33.550	21.540	0.0762	4.327	17.6	315.3
10.0	27.088	34.163	22.061	0.0823	4.081	26.2	532.1
11.0	26.921	34.607	22.449	0.0879	3.974	35.3	545.5
12.0	26.818	34.858	22.670	0.0933	3.957	40.9	545.5
13.0	26.764	35.002	22.796	0.0985	3.992	40.7	545.5
14.0	26.747	35.045	22.834	0.1036	3.961	38.8	545.5



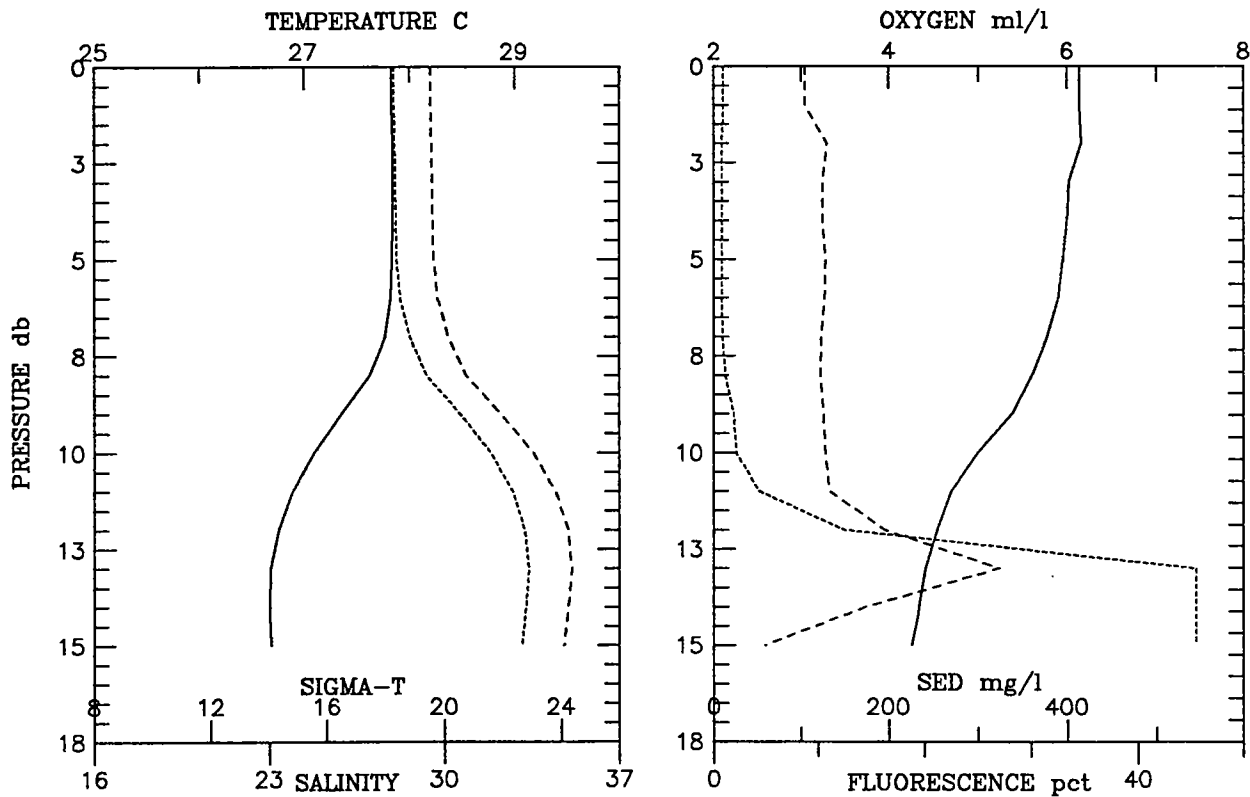
Cruise I9004 Leg 4 Station # 42.03 Depth m:17 Time: 1990-06-10 08:26
 Position: 2° 31.80'N 49° 27.42'W Depth Deck Offset: -0.10 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.644	29.955	18.722	0.0000	5.603	14.3	21.9
1.0	27.644	29.955	18.722	0.0092	5.603	14.3	21.9
2.0	27.663	30.109	18.832	0.0181	5.477	10.8	17.6
3.0	27.638	30.453	19.098	0.0269	5.427	11.0	22.0
4.0	27.609	30.756	19.334	0.0355	5.269	11.7	26.4
5.0	27.600	30.872	19.424	0.0439	5.233	11.5	27.9
6.0	27.564	31.215	19.693	0.0521	5.116	11.6	30.5
7.0	27.495	31.729	20.101	0.0600	5.031	11.9	38.8
8.0	27.128	33.569	21.601	0.0670	4.762	14.8	109.6
9.0	26.856	34.664	22.513	0.0728	4.373	19.5	300.0
10.0	26.791	34.894	22.706	0.0781	4.290	21.7	404.5
11.0	26.743	35.078	22.860	0.0833	4.192	28.6	519.0
12.0	26.720	35.156	22.926	0.0883	4.168	34.1	532.1
13.0	26.698	35.205	22.970	0.0933	4.165	37.1	545.5
14.0	26.666	35.242	23.008	0.0982	4.122	34.0	545.5



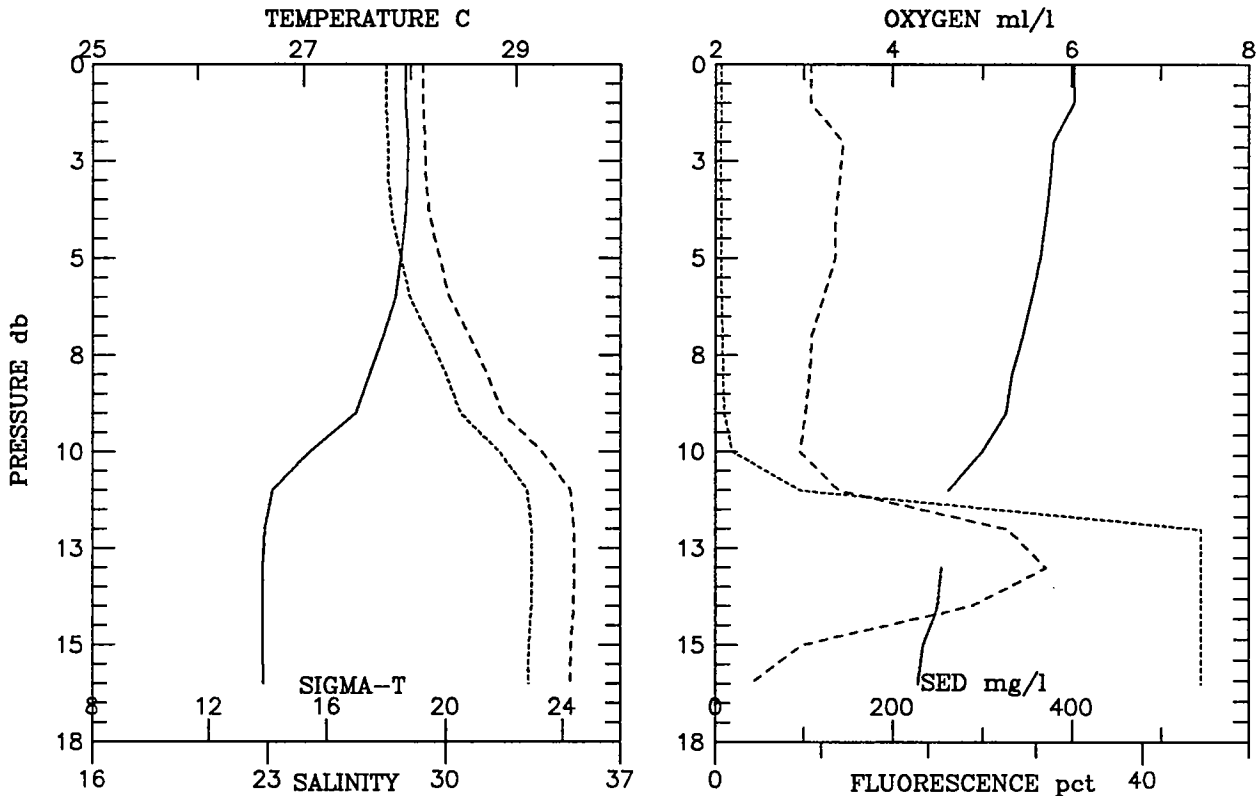
Cruise 19004 Leg 4 Station # 42.04 Depth m:14 Time: 1990-06-10 09:23
 Position: 2° 31.52'N 49° 48.20'W Depth Deck Offset: 0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.834	29.454	18.286	0.0000	6.138	8.7
1.0		27.834	29.454	18.286	0.0095	6.138	8.7
2.0		27.843	29.495	18.314	0.0189	6.157	10.8
3.0		27.844	29.519	18.331	0.0283	6.021	10.4
4.0		27.842	29.539	18.347	0.0377	5.994	10.4
5.0		27.841	29.581	18.379	0.0471	5.955	10.7
6.0		27.828	29.741	18.503	0.0564	5.905	10.6
7.0		27.769	30.157	18.834	0.0655	5.776	10.3
8.0		27.628	30.860	19.406	0.0741	5.614	10.2
9.0		27.359	32.255	20.540	0.0820	5.383	10.5
10.0		27.100	33.554	21.599	0.0887	5.000	10.7
11.0		26.895	34.455	22.343	0.0947	4.701	11.1
12.0		26.757	34.945	22.755	0.1000	4.541	16.3
13.0		26.683	35.096	22.893	0.1051	4.412	27.0
14.0		26.675	34.956	22.790	0.1102	4.337	14.6
15.0		26.683	34.779	22.654	0.1154	4.263	4.9



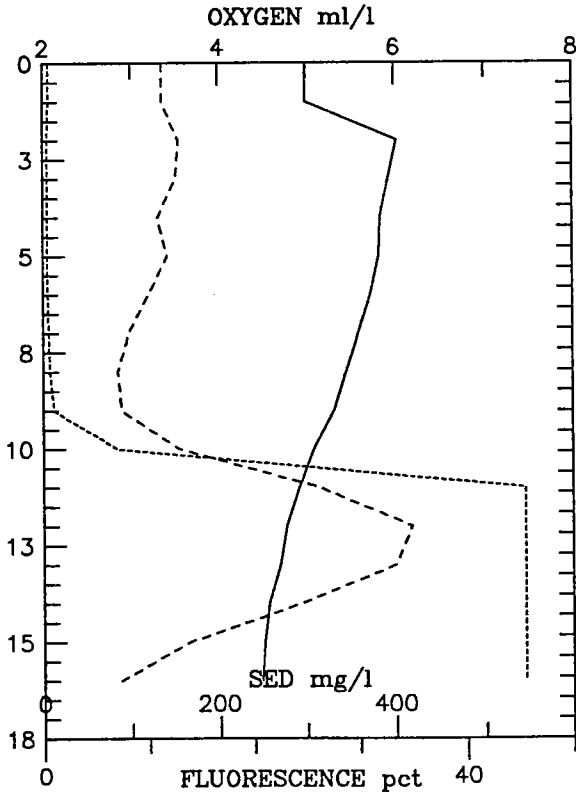
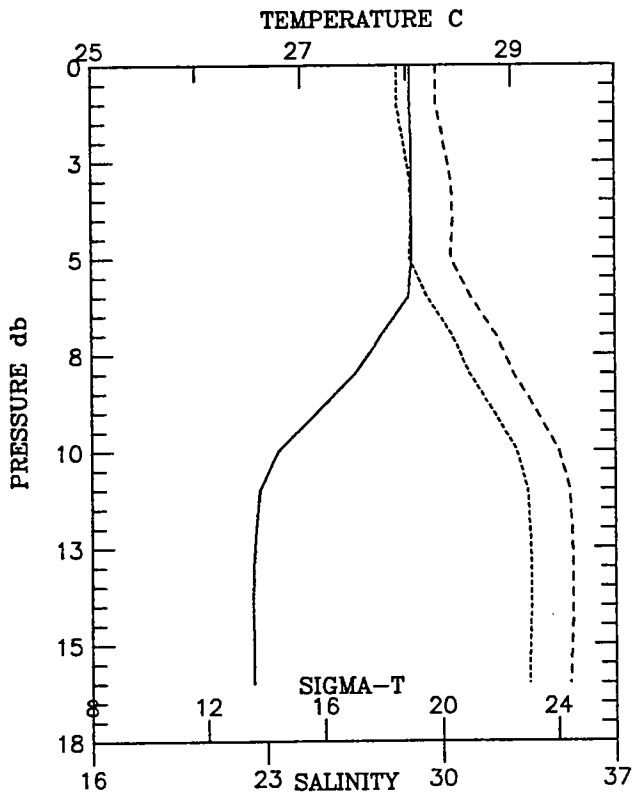
Cruise I9004 Leg 4 Station # 42.05 Depth m:18 Time: 1990-06-10 10:28
 Position: 2° 31.27'N 49° 48.87'W Depth Deck Offset: 0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.953	29.095	17.978	0.0000	6.027	9.0	5.9
1.0		27.953	29.095	17.978	0.0100	6.027	9.0	5.9
2.0		27.976	29.177	18.032	0.0197	5.794	12.0	5.7
3.0		27.975	29.208	18.056	0.0294	5.758	11.7	5.7
4.0		27.957	29.392	18.200	0.0390	5.710	11.3	6.0
5.0		27.913	29.760	18.490	0.0483	5.648	11.3	6.3
6.0		27.862	30.144	18.794	0.0575	5.551	10.2	6.7
7.0		27.750	30.940	19.428	0.0661	5.456	9.1	7.6
8.0		27.621	31.667	20.014	0.0742	5.328	8.9	8.3
9.0		27.491	32.255	20.498	0.0817	5.262	8.5	10.0
10.0		27.062	33.839	21.826	0.0884	4.993	8.0	19.2
11.0		26.713	34.970	22.788	0.0940	4.620	11.6	95.3
12.0		26.640	35.118	22.923	0.0991	9.356	27.4	545.5
13.0		26.622	35.131	22.938	0.1041	4.542	30.9	545.5
14.0		26.619	35.108	22.922	0.1091	4.498	23.9	545.5
15.0		26.622	35.000	22.840	0.1141	4.340	8.2	545.5
16.0		26.623	34.977	22.822	0.1192	4.283	3.3	545.5



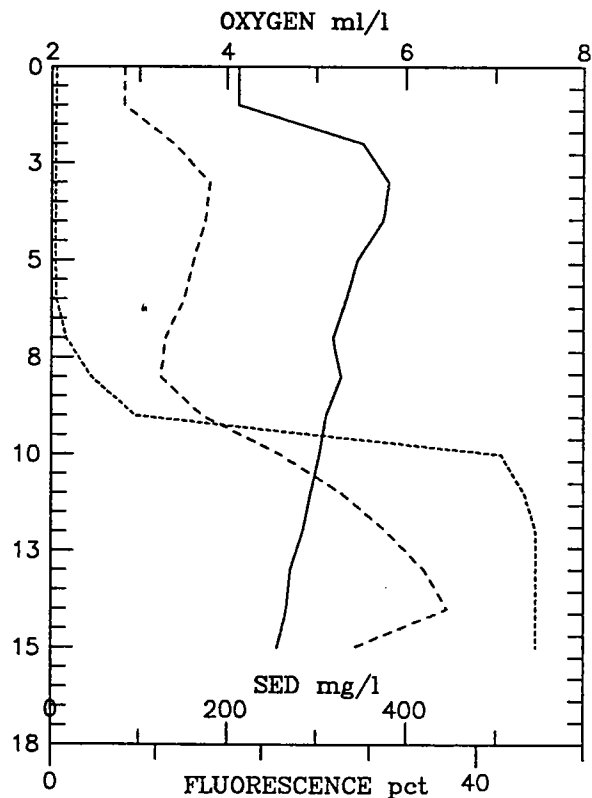
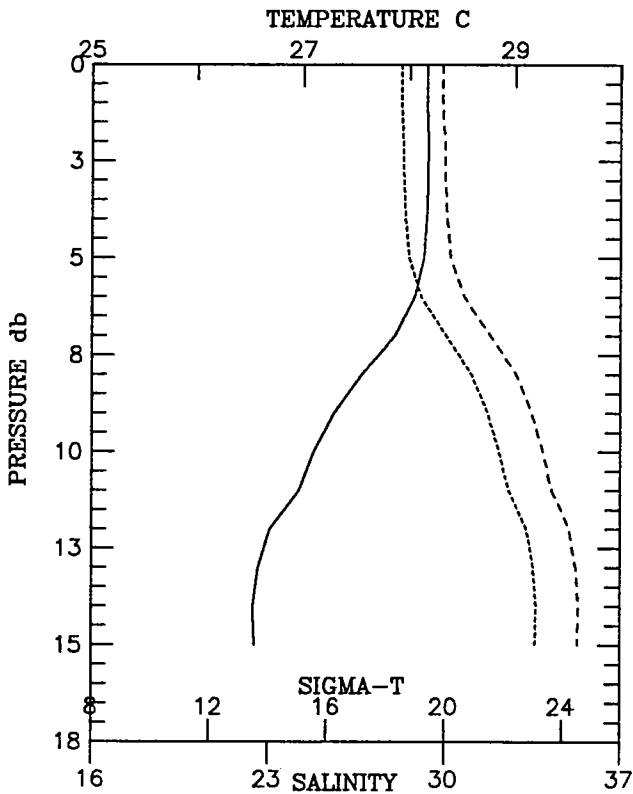
Cruise 19004 Leg 4 Station # 42.06 Depth m:18 Time: 1990-06-10 11:21
 Position: 2° 31.13'N 49° 49.04'W Depth Deck Offset: 0.00 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.040	29.817	18.492	0.0000	4.997	11.3	5.9
1.0		28.040	29.817	18.492	0.0096	4.997	11.3	5.9
2.0		28.051	30.121	18.716	0.0187	6.030	12.9	4.9
3.0		28.050	30.415	18.937	0.0277	5.931	12.6	5.0
4.0		28.049	30.462	18.973	0.0365	5.841	10.9	5.0
5.0		28.050	30.384	18.914	0.0453	5.826	11.8	5.0
6.0		28.021	31.181	19.521	0.0538	5.728	10.0	5.1
7.0		27.759	32.201	20.371	0.0617	5.589	8.1	6.0
8.0		27.513	32.893	20.970	0.0688	5.457	7.1	7.1
9.0		27.145	33.853	21.810	0.0753	5.314	7.4	12.1
10.0		26.781	34.723	22.581	0.0810	5.079	12.9	84.2
11.0		26.600	35.142	22.954	0.0862	4.917	26.2	545.5
12.0		26.563	35.223	23.027	0.0911	4.771	34.9	545.5
13.0		26.542	35.263	23.063	0.0960	4.699	33.4	545.5
14.0		26.535	35.262	23.065	0.1009	4.569	24.5	545.5
15.0		26.539	35.205	23.021	0.1058	4.511	13.8	545.5
16.0		26.542	35.161	22.987	0.1107	4.486	7.3	545.5



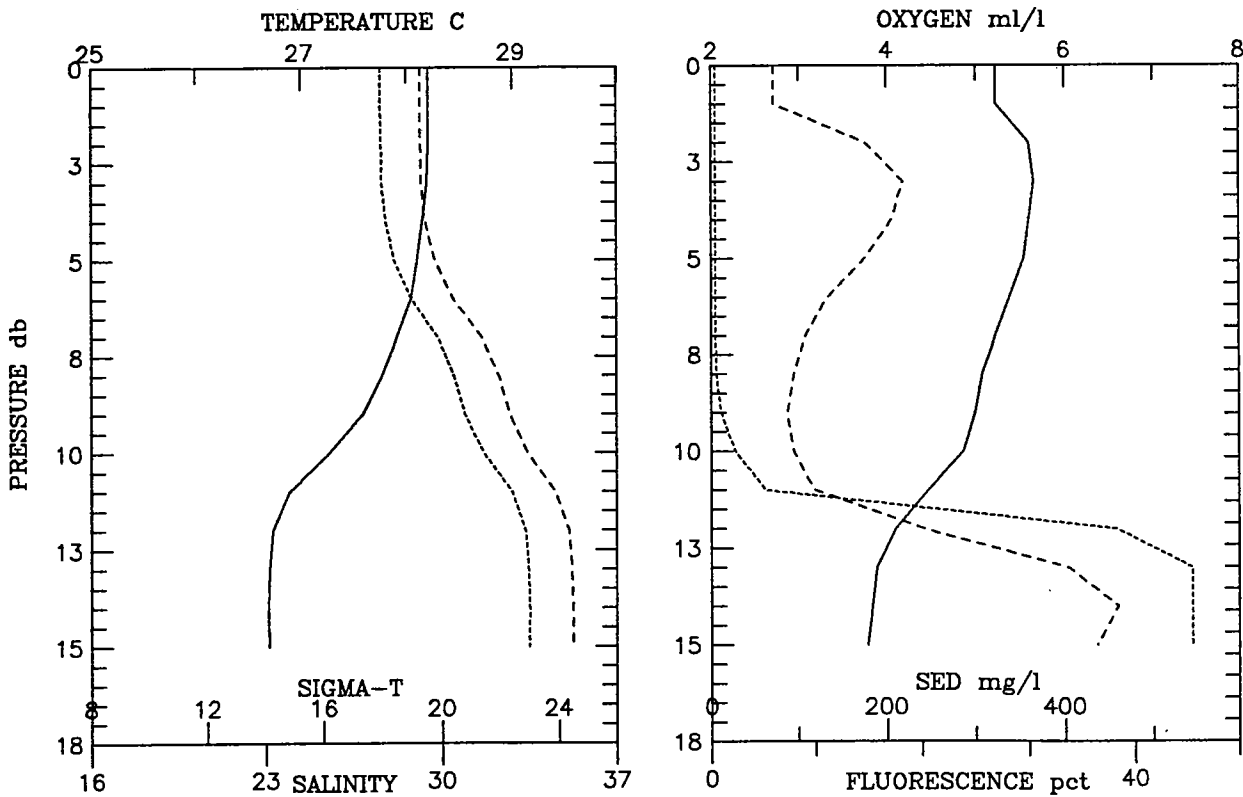
Cruise 19004 Leg 4 Station # 42.07 Depth m:18 Time: 1990-06-10 12:26
 Position: 2° 31.17'N 49° 49.09'W Depth Deck Offset: 0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)	
0.0	E	28.166	29.914	18.524	0.0000	4.130	6.9	4.5
1.0		28.166	29.914	18.524	0.0093	4.130	6.9	4.5
2.0		28.177	29.997	18.583	0.0185	5.520	11.6	4.3
3.0		28.175	30.024	18.604	0.0277	5.809	15.0	4.2
4.0		28.160	30.098	18.664	0.0368	5.745	14.6	4.2
5.0		28.133	30.249	18.786	0.0458	5.458	13.5	4.2
6.0		28.050	30.771	19.204	0.0546	5.337	12.6	5.1
7.0		27.861	31.828	20.058	0.0627	5.193	10.8	16.6
8.0		27.557	32.844	20.920	0.0701	5.274	10.4	45.2
9.0		27.293	33.463	21.469	0.0767	5.110	14.3	95.3
10.0		27.102	33.907	21.864	0.0829	5.042	21.7	506.2
11.0		26.958	34.274	22.187	0.0888	4.946	27.4	532.1
12.0		26.684	34.966	22.794	0.0942	4.859	31.6	545.5
13.0		26.574	35.221	23.022	0.0992	4.716	35.1	545.5
14.0		26.529	35.334	23.121	0.1041	4.677	37.2	545.5
15.0		26.542	35.304	23.094	0.1089	4.570	28.4	545.5



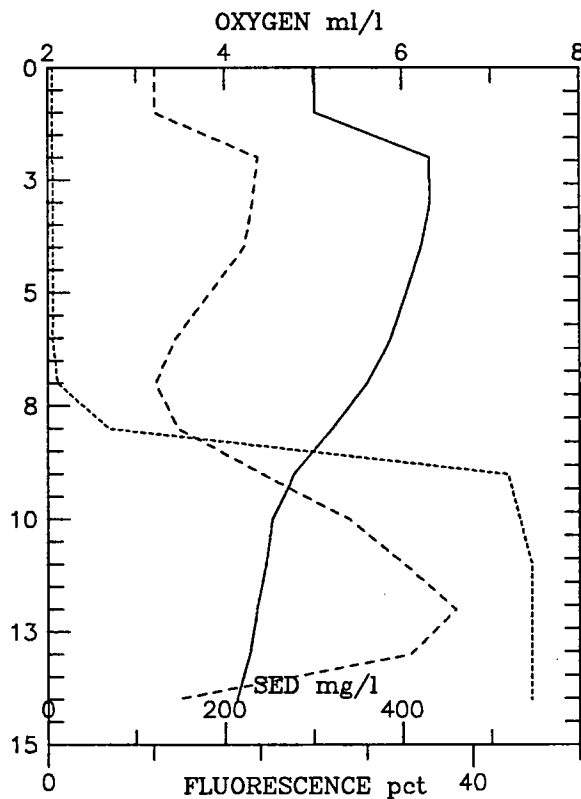
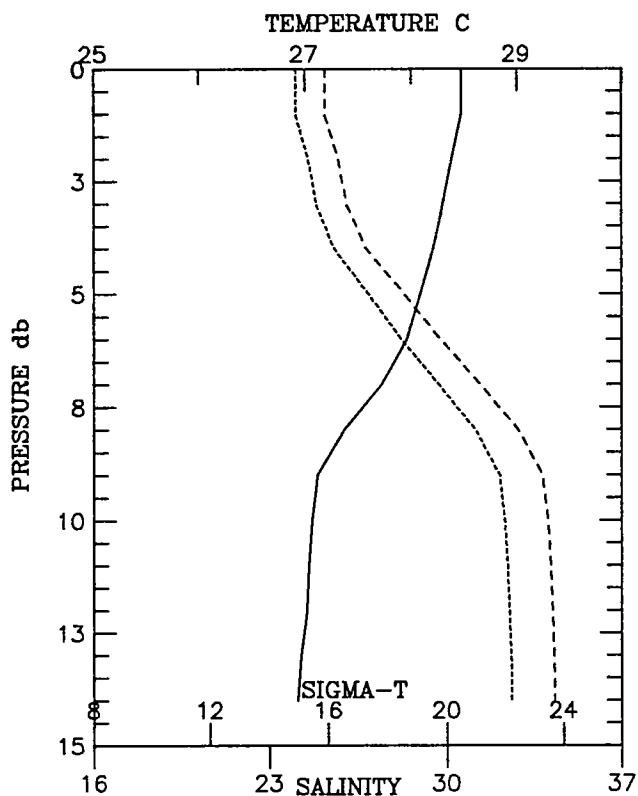
Cruise I9004 Leg 4 Station # 42.08 Depth m:18 Time: 1990-06-10 13:22
 Position: 2° 31.21'N 49° 49.03'W Depth Deck Offset: 0.08 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.210	29.155	17.941	0.0000	5.230	6.0	4.7
1.0	28.210	29.155	17.941	0.0098	5.230	6.0	4.7
2.0	28.209	29.184	17.963	0.0196	5.598	14.7	4.5
3.0	28.198	29.201	17.980	0.0293	5.654	18.2	4.6
4.0	28.157	29.370	18.119	0.0390	5.600	17.1	4.6
5.0	28.106	29.739	18.412	0.0485	5.538	14.6	4.5
6.0	28.042	30.478	18.987	0.0575	5.382	11.1	4.6
7.0	27.910	31.618	19.885	0.0659	5.218	9.0	4.9
8.0	27.769	32.269	20.419	0.0735	5.073	7.9	5.6
9.0	27.589	32.703	20.803	0.0807	4.997	7.3	11.2
10.0	27.276	33.418	21.440	0.0875	4.863	7.9	27.6
11.0	26.890	34.529	22.400	0.0934	4.468	9.9	62.3
12.0	26.733	35.066	22.854	0.0987	4.096	20.2	458.2
13.0	26.701	35.184	22.953	0.1037	3.891	33.7	545.5
14.0	26.694	35.227	22.988	0.1087	3.837	38.4	545.5
15.0	26.700	35.220	22.981	0.1136	3.786	36.4	545.5



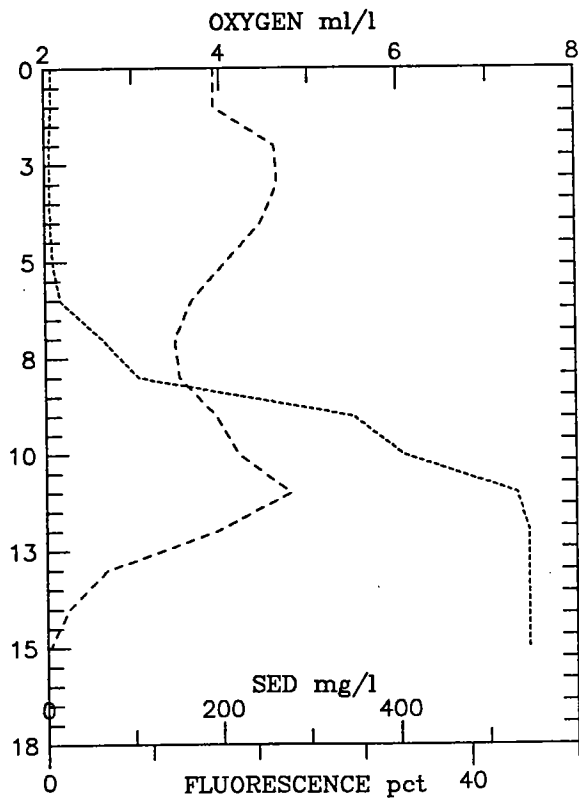
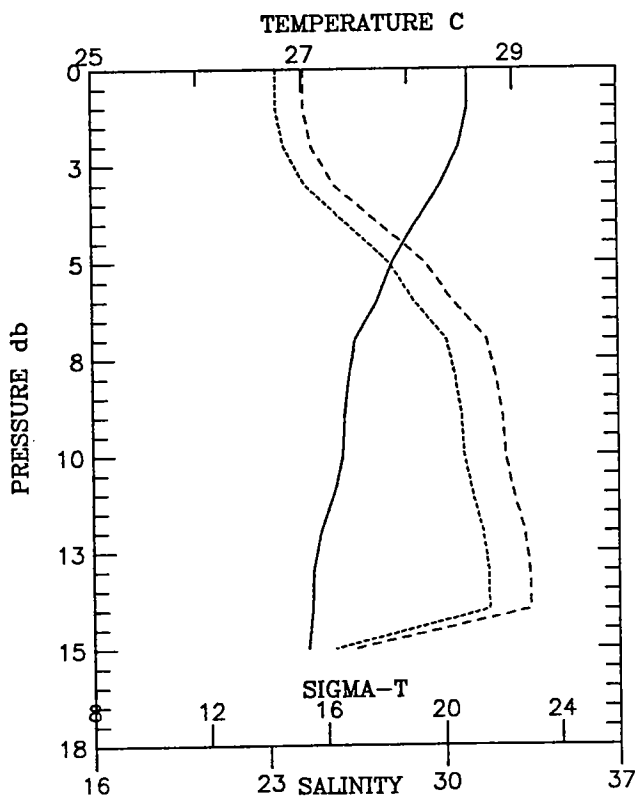
Cruise I9004 Leg 4 Station # 42.09 Depth m:17 Time: 1990-06-10 14:20
 Position: 2° 31.16'N 49° 49.42'W Depth Deck Offset: 0.12 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E 28.477	25.192	14.890	0.0000	5.015	10.1	5.0
1.0	28.477	25.192	14.890	0.0152	5.015	10.1	5.0
2.0	28.381	25.723	15.317	0.0277	6.312	19.8	5.1
3.0	28.302	26.051	15.588	0.0399	6.317	19.3	5.3
4.0	28.210	26.831	16.200	0.0516	6.218	18.5	5.3
5.0	28.085	28.337	17.369	0.0625	6.052	15.3	5.2
6.0	27.960	29.764	18.478	0.0723	5.874	12.1	5.1
7.0	27.723	31.345	19.740	0.0810	5.604	10.2	10.8
8.0	27.373	32.847	20.981	0.0885	5.215	12.3	69.7
9.0	27.121	33.840	21.808	0.0949	4.780	20.2	519.0
10.0	27.066	34.048	21.982	0.1009	4.540	28.4	532.1
11.0	27.039	34.157	22.073	0.1068	4.463	33.6	545.5
12.0	27.020	34.234	22.137	0.1126	4.361	38.4	545.5
13.0	26.967	34.294	22.199	0.1183	4.281	34.1	545.5
14.0	26.933	34.312	22.223	0.1240	4.136	12.1	545.5



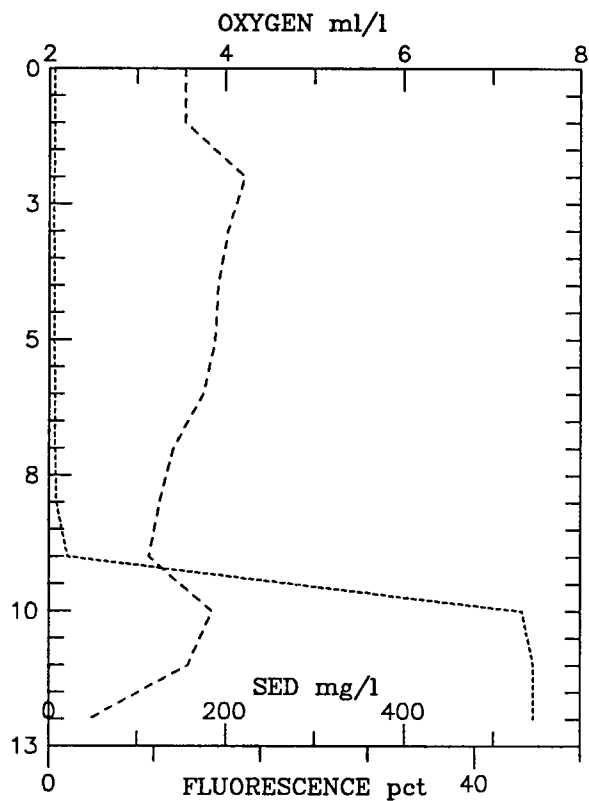
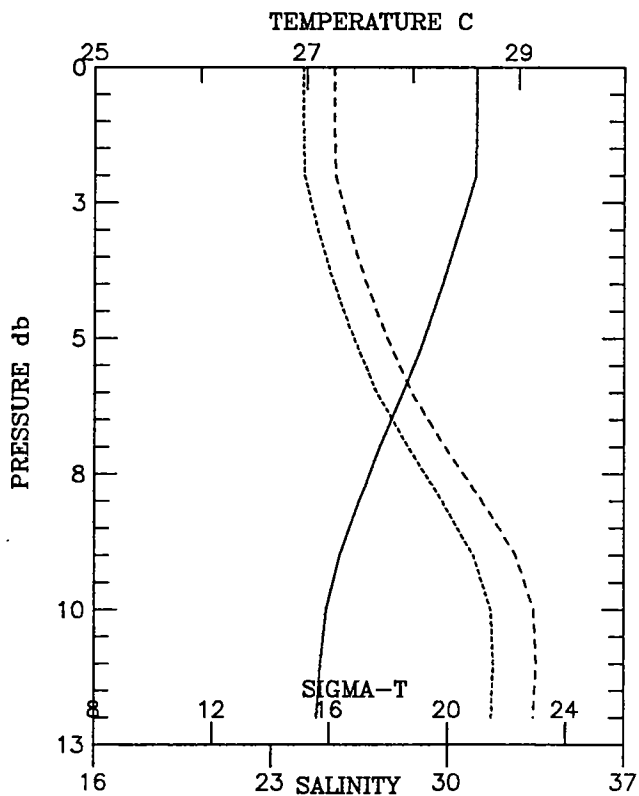
Cruise 19004 Leg 4 Station # 42.10 Depth m:15 Time: 1990-06-10 15:24
 Position: 2° 31.25'N 49° 48.91'W Depth Deck Offset: 0.12 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.570	24.474	14.323	0.0000	0.000	16.1	7.8
1.0		28.570	24.474	14.323	0.0133	0.000	16.1	7.8
2.0		28.488	24.792	14.587	0.0265	0.000	21.8	5.2
3.0		28.309	25.687	15.313	0.0392	0.000	22.1	5.3
4.0		28.070	27.483	16.734	0.0508	0.000	20.5	5.9
5.0		27.851	29.284	18.153	0.0611	0.000	17.2	8.4
6.0		27.706	30.342	18.993	0.0703	0.000	13.9	16.5
7.0		27.492	31.716	20.092	0.0785	0.000	12.3	64.2
8.0		27.432	32.097	20.398	0.0861	0.000	12.7	106.0
9.0		27.391	32.341	20.594	0.0934	0.000	16.2	348.3
10.0		27.371	32.443	20.678	0.1006	0.000	18.3	404.5
11.0		27.287	32.779	20.957	0.1076	0.000	23.2	532.1
12.0		27.159	33.198	21.313	0.1143	0.000	16.2	545.5
13.0		27.087	33.401	21.488	0.1208	0.000	5.7	545.5
14.0		27.072	33.428	21.513	0.1271	0.000	2.0	545.5
15.0		27.039	26.430	16.268	0.1360	0.000	0.2	545.5



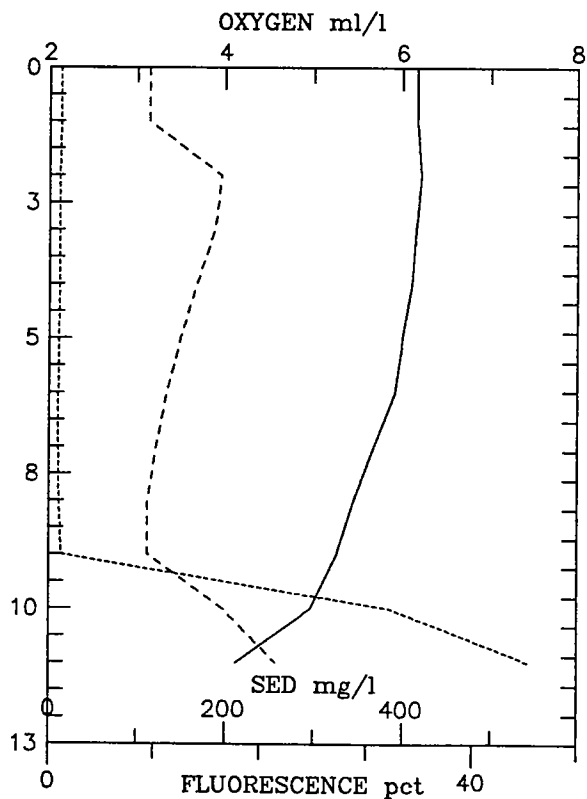
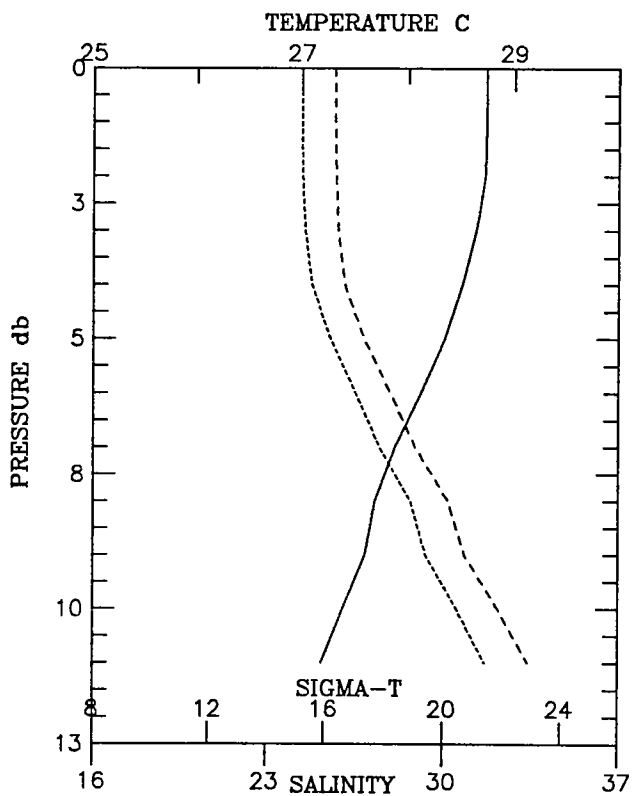
Cruise 19004 Leg 4 Station # 42.11 Depth m:14 Time: 1990-06-10 16:25
 Position: 2° 31.25'N 49° 48.91'W Depth Deck Offset: 0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.601	25.500	15.080	0.000	12.9	5.4
1.0		28.601	25.500	15.080	0.0126	12.9	5.4
2.0		28.596	25.553	15.121	0.0251	18.5	5.1
3.0		28.444	26.109	15.586	0.0374	16.9	5.1
4.0		28.285	26.788	16.144	0.0492	16.0	5.3
5.0		28.110	27.611	16.817	0.0604	15.7	5.6
6.0		27.913	28.567	17.595	0.0709	14.6	6.0
7.0		27.693	29.895	18.661	0.0805	11.8	6.6
8.0		27.496	31.359	19.823	0.0890	10.5	8.0
9.0		27.319	32.686	20.877	0.0965	9.5	20.9
10.0		27.189	33.401	21.456	0.1032	15.4	532.1
11.0		27.139	33.490	21.539	0.1095	13.2	545.5
12.0		27.101	33.388	21.474	0.1159	3.8	545.5



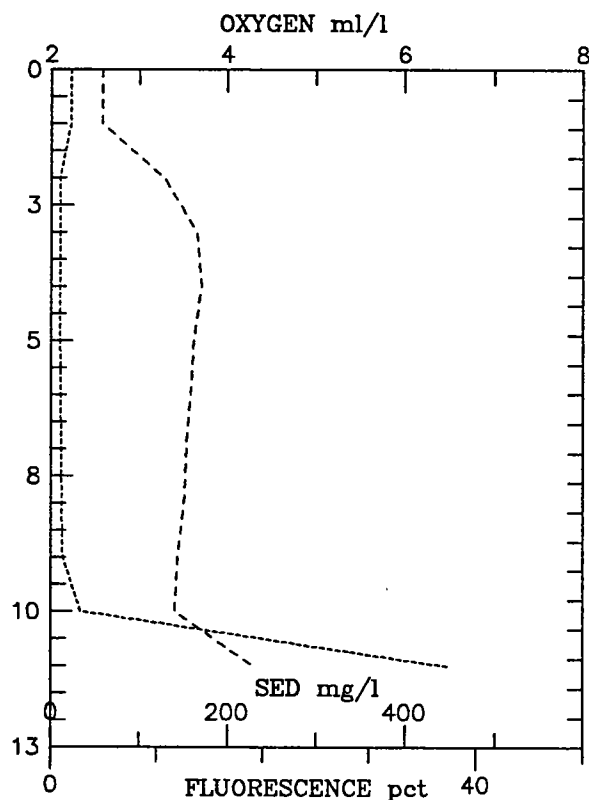
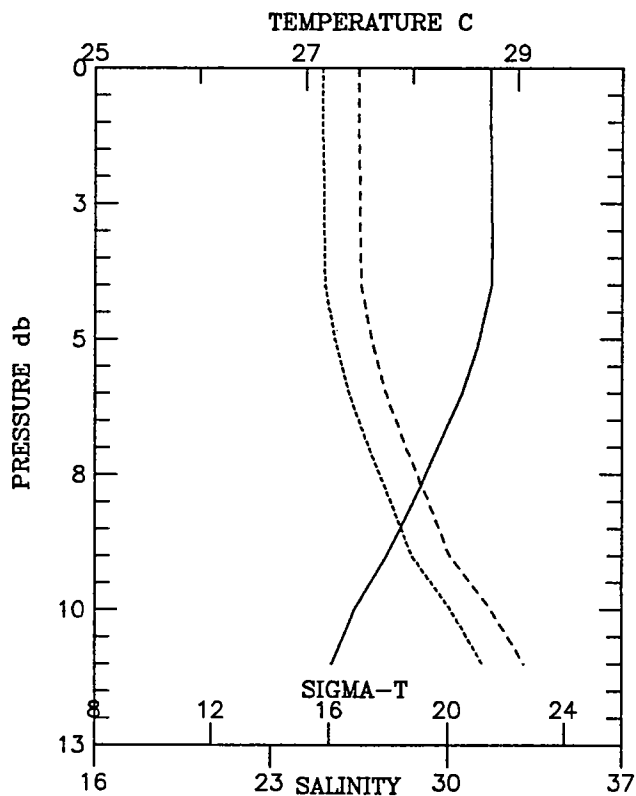
Cruise 19004 Leg 4 Station # 42.12 Depth m:14 Time: 1990-06-10 17:23
 Position: 2° 31.51'N 49° 48.89'W Depth Deck Offset: 0.15 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.737	25.717	15.199	0.0000	6.167	9.5	12.6
1.0	28.737	25.717	15.199	0.0125	6.167	9.5	12.6
2.0	28.726	25.754	15.230	0.0249	6.212	16.3	11.4
3.0	28.640	25.836	15.319	0.0373	6.154	15.7	11.5
4.0	28.513	26.106	15.562	0.0495	6.109	14.0	11.4
5.0	28.348	26.869	16.185	0.0612	5.998	12.5	10.8
6.0	28.123	27.927	17.049	0.0723	5.916	11.2	10.1
7.0	27.881	28.899	17.854	0.0826	5.681	10.2	10.1
8.0	27.692	30.219	18.905	0.0919	5.449	9.4	11.2
9.0	27.600	30.860	19.415	0.1005	5.267	9.4	13.9
10.0	27.394	32.181	20.473	0.1084	4.974	16.5	384.8
11.0	27.197	33.368	21.428	0.1153	4.128	21.5	545.5



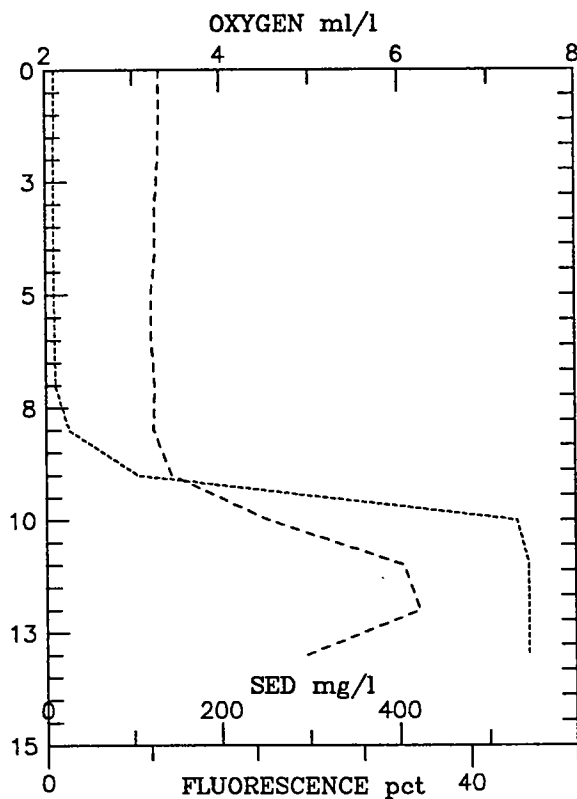
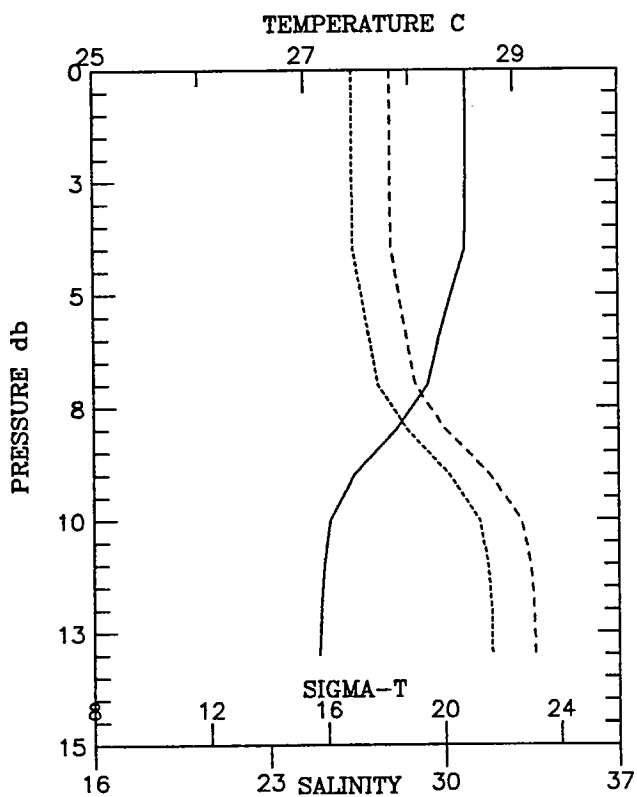
Cruise I9004 Leg 4 Station # 42.13 Depth m:14 Time: 1990-06-10 18:22
 Position: 2° 31.63'N 49° 48.97'W Depth Deck Offset: 0.25 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.738	26.463	15.756	0.0000	0.000	4.8	22.0
1.0		28.738	26.463	15.756	0.0119	0.000	4.8	22.0
2.0		28.746	26.512	15.790	0.0238	0.000	10.7	9.6
3.0		28.753	26.528	15.800	0.0356	0.000	13.8	9.6
4.0		28.745	26.577	15.839	0.0475	0.000	14.2	9.6
5.0		28.635	26.982	16.178	0.0591	0.000	13.5	10.0
6.0		28.470	27.556	16.660	0.0704	0.000	13.2	10.7
7.0		28.241	28.342	17.322	0.0811	0.000	12.8	11.4
8.0		28.009	29.240	18.069	0.0911	0.000	12.6	11.8
9.0		27.759	30.075	18.775	0.1004	0.000	12.0	13.3
10.0		27.458	31.719	20.106	0.1087	0.000	11.7	33.4
11.0		27.245	33.059	21.180	0.1159	0.000	19.1	446.9



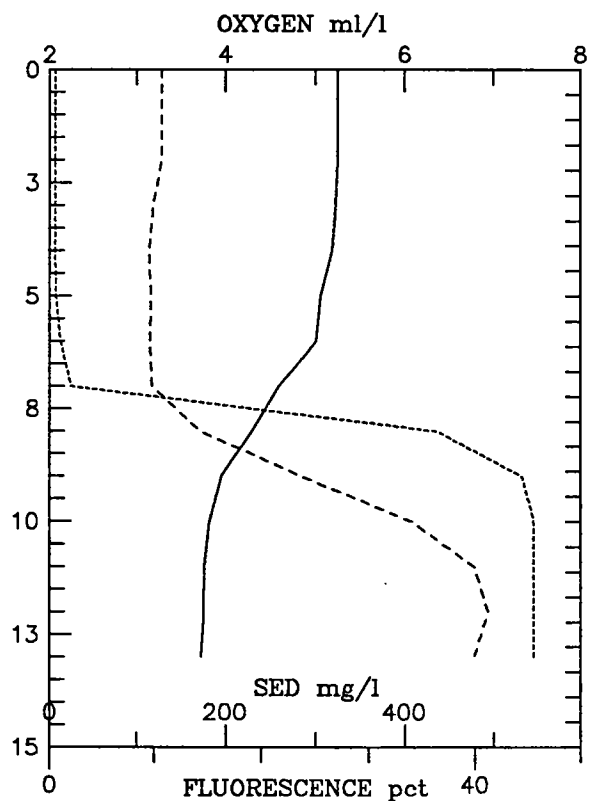
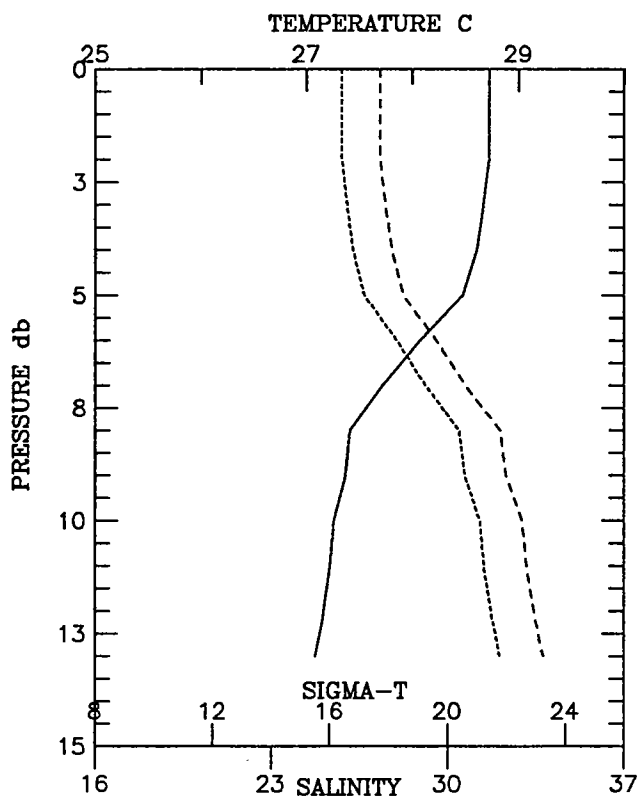
Cruise I9004 Leg 4 Station # 42.14 Depth m:16 Time: 1990-06-10 19:22
 Position: 2° 31.63'N 49° 48.97'W Depth Deck Offset: 0.25 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.552	27.865	16.865	0.0000	0.000	10.9	10.1
1.0		28.551	27.865	16.865	0.0108	0.000	10.9	10.1
2.0		28.546	27.873	16.872	0.0216	0.000	10.8	8.9
3.0		28.541	27.882	16.881	0.0324	0.000	10.5	9.0
4.0		28.532	27.897	16.895	0.0432	0.000	10.5	8.9
5.0		28.404	28.218	17.177	0.0539	0.000	10.1	9.2
6.0		28.280	28.535	17.454	0.0643	0.000	10.1	9.9
7.0		28.176	28.859	17.731	0.0744	0.000	10.4	10.3
8.0		27.877	30.069	18.733	0.0839	0.000	10.3	26.0
9.0		27.469	31.824	20.181	0.0922	0.000	12.0	105.3
10.0		27.243	33.089	21.203	0.0994	0.000	21.2	532.1
11.0		27.184	33.466	21.506	0.1059	0.000	33.8	545.5
12.0		27.155	33.597	21.614	0.1122	0.000	35.3	545.5
13.0		27.138	33.626	21.641	0.1184	0.000	24.8	545.5



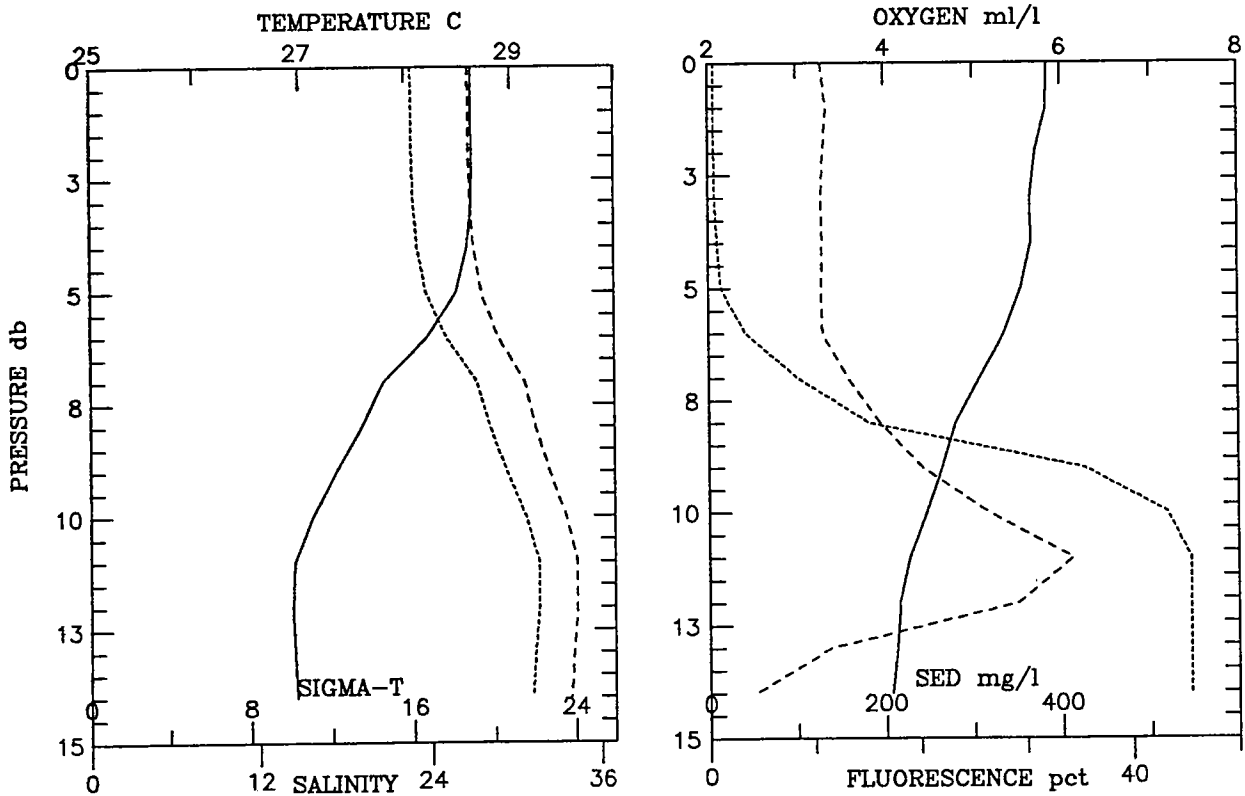
Cruise 19004 Leg 4 Station # 42.15 Depth m:16 Time: 1990-06-10 20:25
 Position: 2° 31.62'N 49° 49.21'W Depth Deck Offset: -0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.725	27.340	16.416	0.0000	5.247	10.7	5.8
1.0	E 28.725	27.340	16.417	0.0113	5.248	10.7	5.8
2.0	28.725	27.340	16.417	0.0225	5.248	10.7	5.8
3.0	28.671	27.560	16.599	0.0337	5.224	9.9	6.0
4.0	28.608	27.797	16.796	0.0447	5.195	9.5	6.4
5.0	28.474	28.258	17.184	0.0554	5.062	9.7	7.2
6.0	28.075	29.563	18.290	0.0653	5.006	9.6	12.6
7.0	27.726	30.691	19.248	0.0743	4.592	9.8	24.4
8.0	27.412	32.077	20.389	0.0823	4.294	14.3	435.9
9.0	27.373	32.302	20.571	0.0896	3.951	23.7	532.1
10.0	27.263	32.946	21.091	0.0966	3.819	34.0	545.5
11.0	27.226	33.119	21.231	0.1033	3.763	39.9	545.5
12.0	27.165	33.409	21.469	0.1098	3.754	41.2	545.5
13.0	27.085	33.770	21.767	0.1161	3.729	39.9	545.5



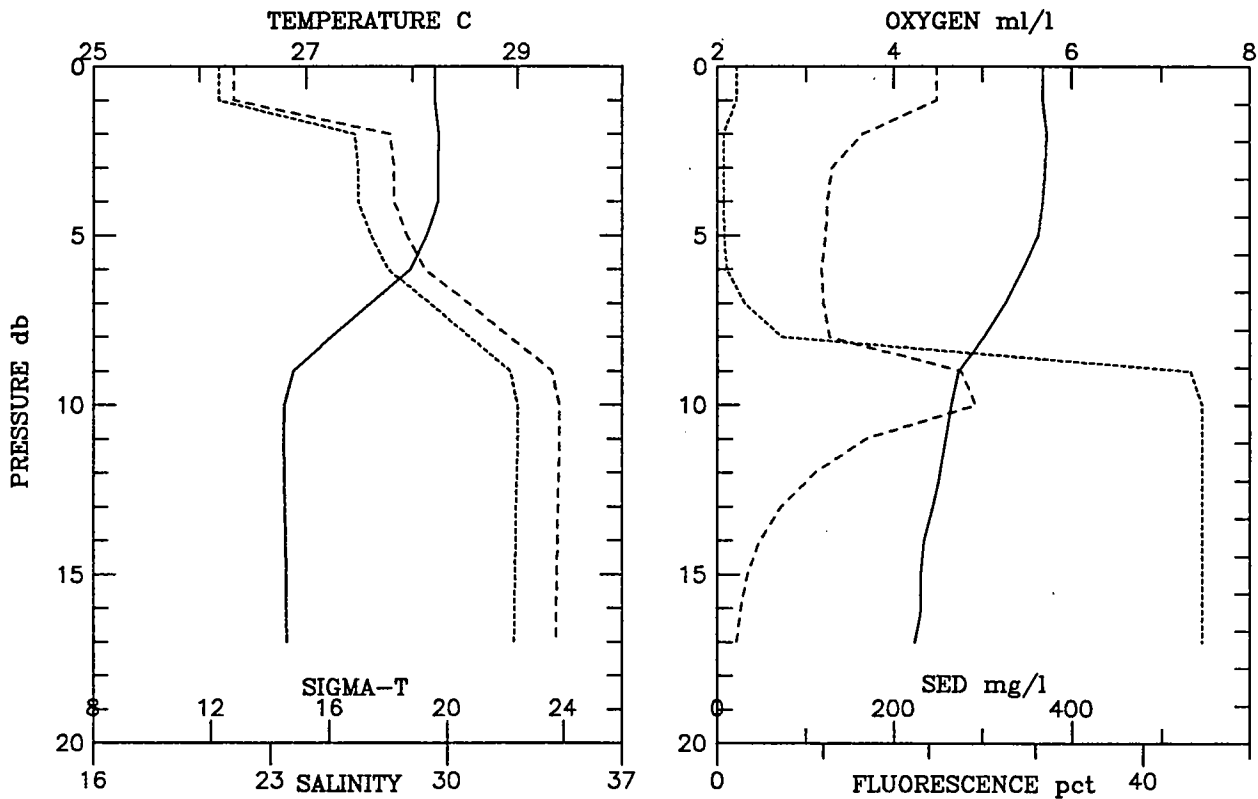
Cruise 19004 Leg 4 Station # 42.16 Depth m:16 Time: 1990-06-10 21:24
 Position: 2° 31.40'N 49° 50.12'W Depth Deck Offset: -0.03 Fish 2

PRESSURE (d-bars)	Interp (deg C)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	28.631	26.661	15.939	0.0000	5.847	10.7	6.3	
1.0	28.632	26.700	15.968	0.0117	5.838	11.2	6.4	
2.0	28.640	26.712	15.974	0.0234	5.717	10.9	6.6	
3.0	28.630	26.799	16.042	0.0350	5.654	10.7	7.2	
4.0	28.591	27.028	16.226	0.0466	5.661	10.8	9.9	
5.0	28.487	27.558	16.656	0.0578	5.545	10.7	14.3	
6.0	28.205	28.730	17.625	0.0684	5.352	10.8	42.0	
7.0	27.792	30.577	19.142	0.0777	5.074	13.2	101.5	
8.0	27.583	31.332	19.775	0.0860	4.800	16.2	182.2	
9.0	27.342	32.329	20.601	0.0937	4.647	20.2	425.2	
10.0	27.124	33.467	21.526	0.1004	4.472	26.4	519.0	
11.0	26.951	34.249	22.170	0.1065	4.274	34.4	545.5	
12.0	26.932	34.237	22.167	0.1122	4.157	29.2	545.5	
13.0	26.952	33.991	21.975	0.1180	4.124	11.5	545.5	
14.0	26.968	33.803	21.829	0.1240	4.072	4.3	545.5	



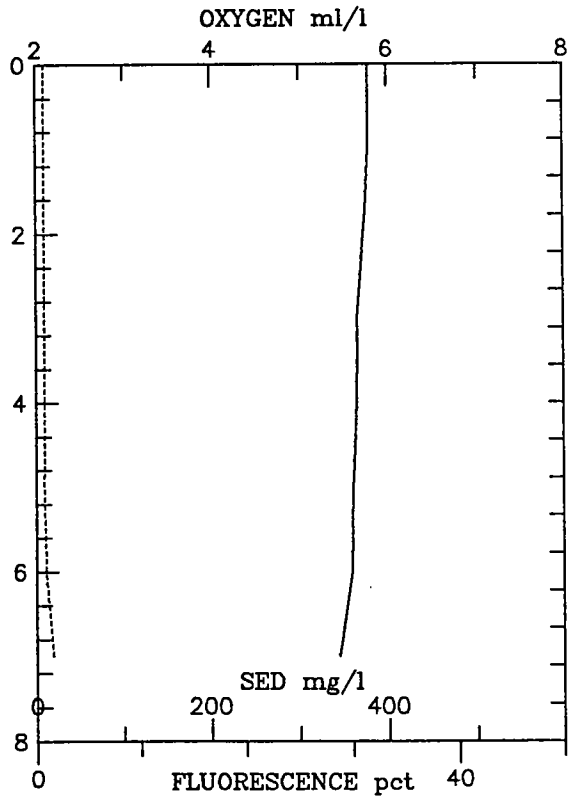
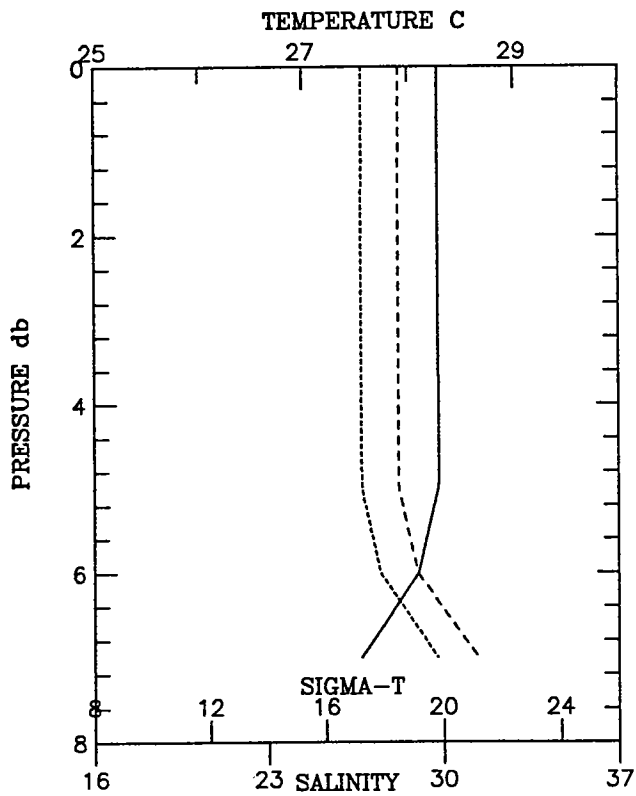
Cruise 19004 Leg 4 Station # 42.17 Depth m:18 Time: 1990-06-10 22:21
 Position: 2° 31.16'N 49° 50.62'W Depth Deck Offset: 0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.214	21.562	12.261	0.0000	5.677	20.7	21.3
1.0		28.214	21.562	12.261	0.0202	5.677	20.7	21.3
2.0		28.251	27.718	16.852	0.0332	5.725	13.7	6.7
3.0		28.244	27.873	16.970	0.0440	5.704	10.8	6.9
4.0		28.242	27.882	16.977	0.0547	5.676	10.4	6.9
5.0		28.137	28.394	17.395	0.0653	5.623	10.2	7.6
6.0		27.985	29.102	17.973	0.0753	5.453	9.8	10.4
7.0		27.605	30.837	19.396	0.0844	5.258	10.0	30.8
8.0		27.239	32.491	20.756	0.0921	5.018	10.6	72.7
9.0		26.879	34.189	22.148	0.0985	4.731	23.0	532.1
10.0		26.794	34.497	22.407	0.1041	4.655	24.4	545.5
11.0		26.791	34.503	22.412	0.1096	4.585	14.0	545.5
12.0		26.796	34.469	22.385	0.1151	4.522	9.2	545.5
13.0		26.803	34.435	22.357	0.1206	4.444	6.0	545.5
14.0		26.808	34.414	22.340	0.1262	4.341	4.0	545.5
15.0		26.813	34.387	22.318	0.1318	4.302	2.8	545.5
16.0		26.817	34.371	22.305	0.1374	4.299	2.2	545.5
17.0		26.820	34.352	22.289	0.1430	4.234	1.8	545.5



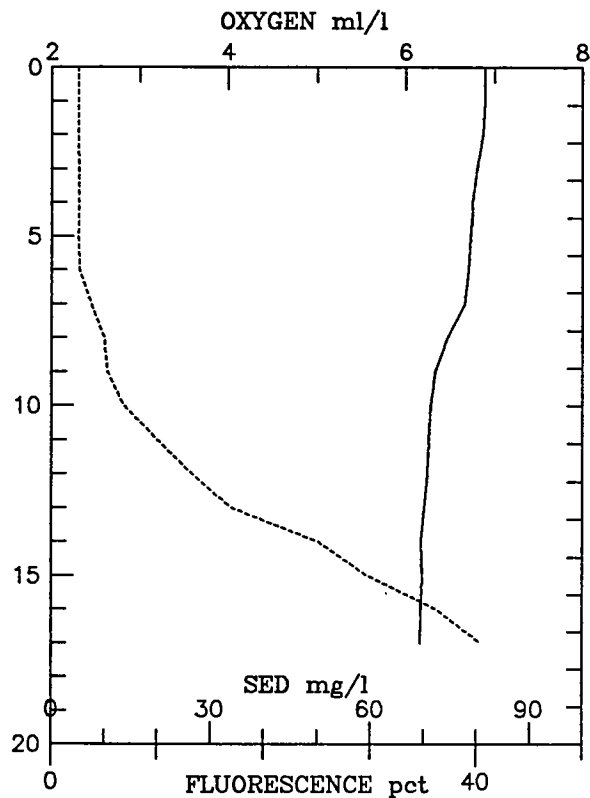
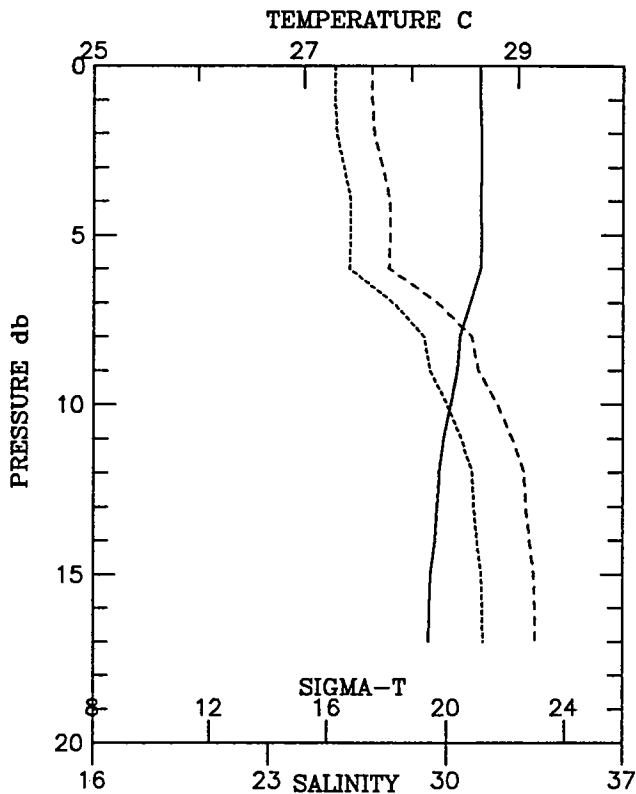
Cruise I9004 Leg 4 Station # 42.18 Depth m:17 Time: 1990-06-10 23:10
 Position: 2° 30.95'N 49° 51.37'W Depth Deck Offset: 0.03 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.285	28.239	17.231	0.0000	5.786	0.0	9.1
1.0	28.285	28.238	17.230	0.0105	5.786	0.0	9.1
2.0	28.288	28.227	17.221	0.0209	5.729	0.0	9.1
3.0	28.288	28.224	17.219	0.0314	5.654	0.0	9.0
4.0	28.290	28.218	17.214	0.0419	5.649	0.0	9.0
5.0	28.288	28.238	17.229	0.0524	5.609	0.0	8.8
6.0	28.100	28.990	17.853	0.0625	5.589	0.0	10.6
7.0	27.563	31.352	19.796	0.0715	5.448	0.0	18.8



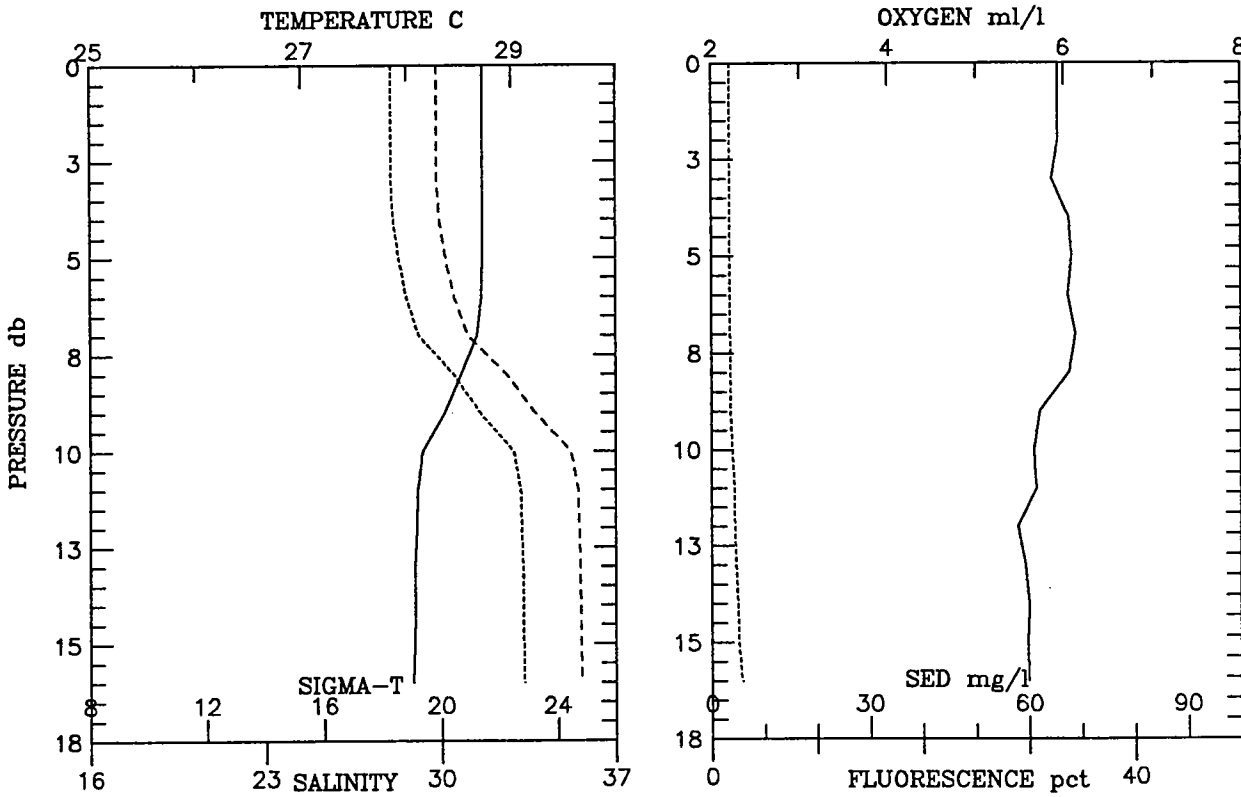
Cruise I9004 Leg 4 Station # 43 Depth m:20 Time: 1990-06-11 01:34
 Position: 2° 37.39'N 49° 34.66'W Depth Deck Offset: 0.20 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.647	27.062	16.234	0.0000	6.893	0.0	5.0
1.0		28.647	27.062	16.234	0.0114	6.894	0.0	5.0
2.0		28.654	27.149	16.296	0.0228	6.873	0.0	5.0
3.0		28.655	27.478	16.543	0.0341	6.807	0.0	5.2
4.0		28.652	27.779	16.768	0.0451	6.758	0.0	5.2
5.0		28.655	27.764	16.756	0.0560	6.736	0.0	5.1
6.0		28.653	27.732	16.733	0.0670	6.713	0.0	5.3
7.0		28.555	29.635	18.190	0.0772	6.668	0.0	7.5
8.0		28.457	30.988	19.235	0.0863	6.470	0.0	10.0
9.0		28.432	31.243	19.434	0.0947	6.332	0.0	10.6
10.0		28.372	31.987	20.012	0.1028	6.281	0.0	13.7
11.0		28.305	32.592	20.488	0.1103	6.258	0.0	20.0
12.0		28.260	33.063	20.857	0.1175	6.245	0.0	26.5
13.0		28.248	33.135	20.915	0.1244	6.208	0.0	33.9
14.0		28.224	33.272	21.025	0.1313	6.173	0.0	50.2
15.0		28.186	33.454	21.174	0.1381	6.191	0.0	59.4
16.0		28.175	33.490	21.205	0.1447	6.177	0.0	72.5
17.0		28.167	33.514	21.225	0.1514	6.162	0.0	80.8



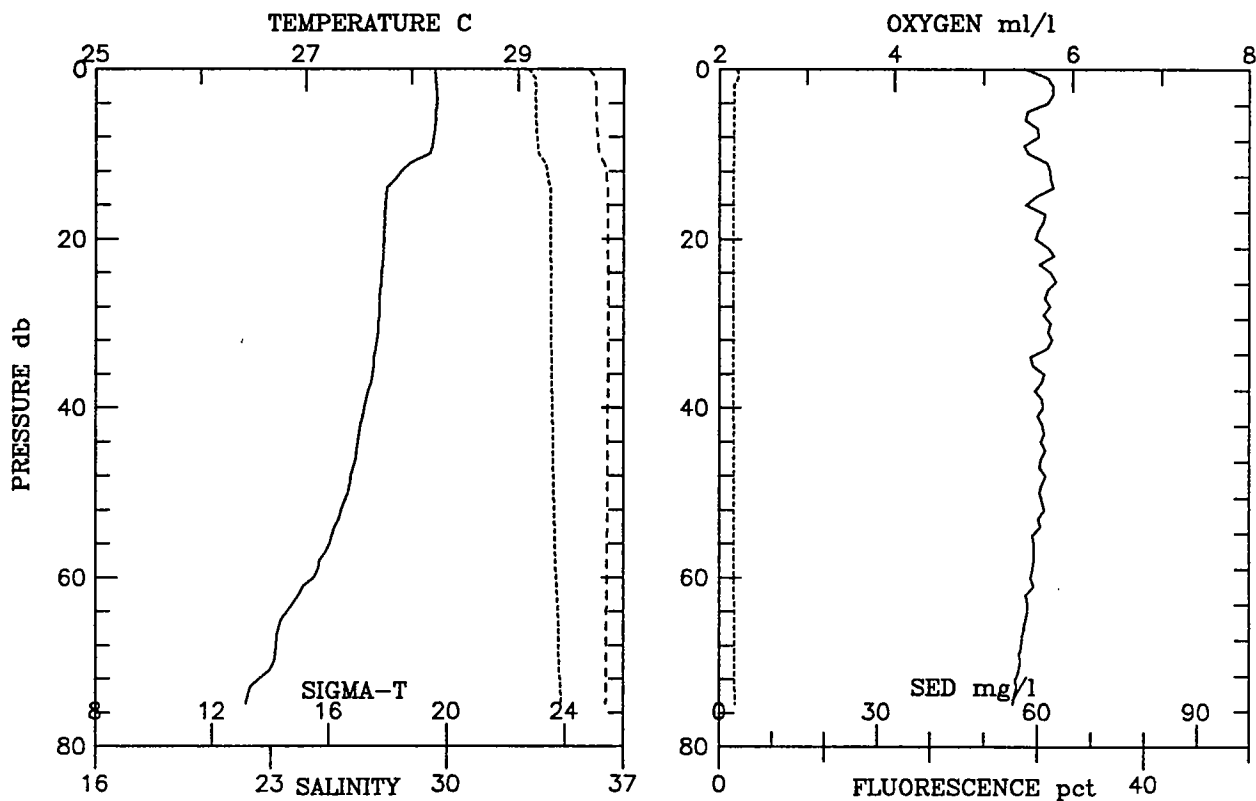
Cruise 19004 Leg 4 Station # 44 Depth m:18 Time: 1990-06-11 02:56
 Position: 2° 42.54'N 49° 23.05'W Depth Deck Offset: 0.20 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.729	29.838	18.285	0.0000	5.935	0.0	3.5
1.0	E	28.729	29.838	18.285	0.0094	5.935	0.0	3.5
2.0		28.729	29.838	18.285	0.0189	5.936	0.0	3.5
3.0		28.727	29.828	18.278	0.0284	5.857	0.0	3.5
4.0		28.733	29.939	18.359	0.0378	6.058	0.0	3.5
5.0		28.730	30.191	18.549	0.0471	6.085	0.0	3.5
6.0		28.716	30.526	18.805	0.0561	6.043	0.0	3.5
7.0		28.678	31.087	19.238	0.0649	6.126	0.0	3.5
8.0		28.521	32.635	20.450	0.0728	6.055	0.0	3.6
9.0		28.368	33.770	21.352	0.0798	5.721	0.0	3.6
10.0		28.152	35.202	22.499	0.0857	5.654	0.0	3.9
11.0		28.104	35.476	22.721	0.0910	5.684	0.0	4.3
12.0		28.096	35.523	22.759	0.0962	5.473	0.0	4.4
13.0		28.083	35.564	22.794	0.1013	5.552	0.0	4.6
14.0		28.079	35.580	22.808	0.1065	5.596	0.0	4.9
15.0		28.075	35.590	22.816	0.1116	5.582	0.0	5.1
16.0		28.066	35.613	22.837	0.1167	5.593	0.0	5.7



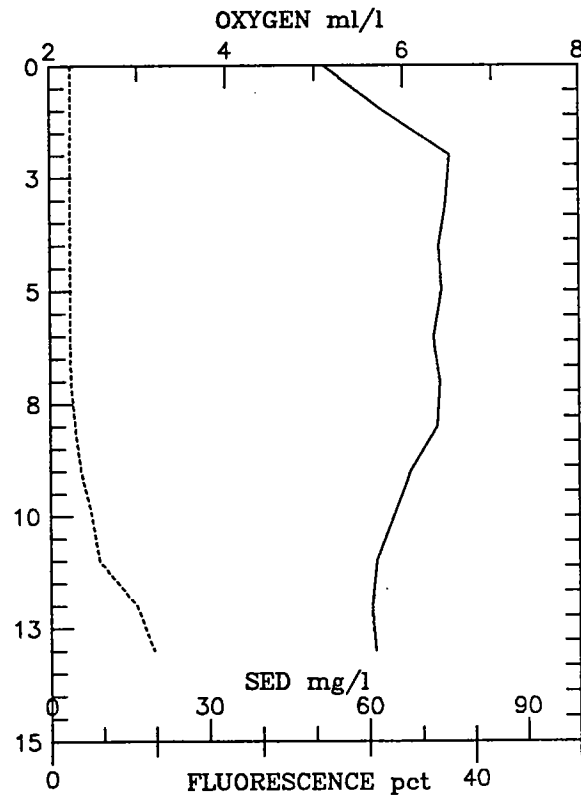
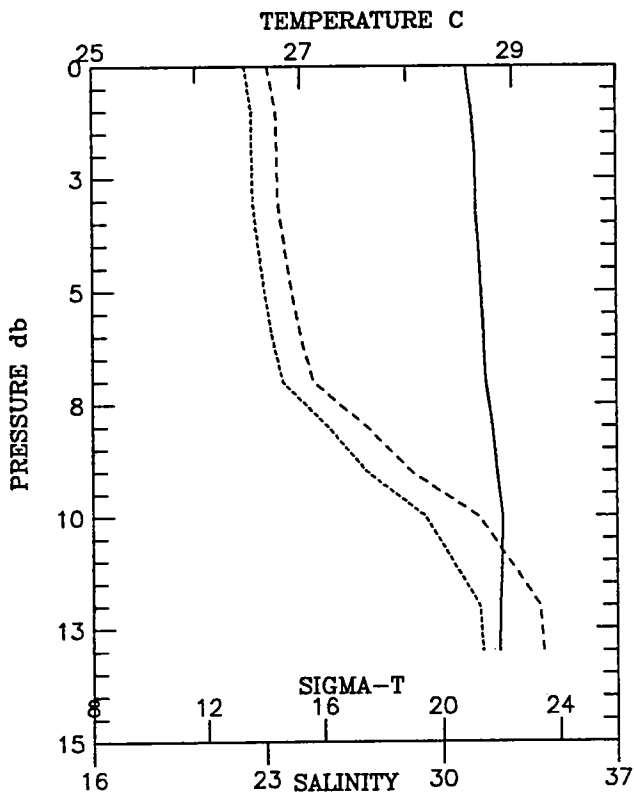
Cruise I9004 Leg 4 Station # 45 Depth m:78 Time: 1990-06-11 04:18
 Position: 2° 49.45'N 49° 11.76'W Depth Deck Offset: -0.03 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.219	35.580	22.761	0.0000	5.472	0.0	3.4
5.0		28.230	35.901	22.999	0.0248	5.486	0.0	2.7
10.0		28.171	36.008	23.099	0.0493	5.503	0.0	2.7
15.0		27.760	36.354	23.494	0.0721	5.593	0.0	2.6
20.0		27.740	36.359	23.504	0.0944	5.587	0.0	2.6
25.0		27.716	36.366	23.518	0.1166	5.808	0.0	2.6
30.0		27.689	36.370	23.529	0.1388	5.748	0.0	2.6
35.0		27.641	36.368	23.543	0.1609	5.556	0.0	2.6
40.0		27.552	36.361	23.567	0.1830	5.662	0.0	2.6
45.0		27.484	36.358	23.587	0.2050	5.693	0.0	2.7
50.0		27.402	36.352	23.609	0.2268	5.625	0.0	2.7
55.0		27.249	36.339	23.649	0.2486	5.546	0.0	2.7
60.0		27.073	36.331	23.699	0.2701	5.528	0.0	2.7
65.0		26.766	36.306	23.779	0.2914	5.468	0.0	2.8
70.0		26.697	36.304	23.799	0.3124	5.410	0.0	2.8
75.0		26.429	36.286	23.871	0.3332	5.327	0.0	3.0



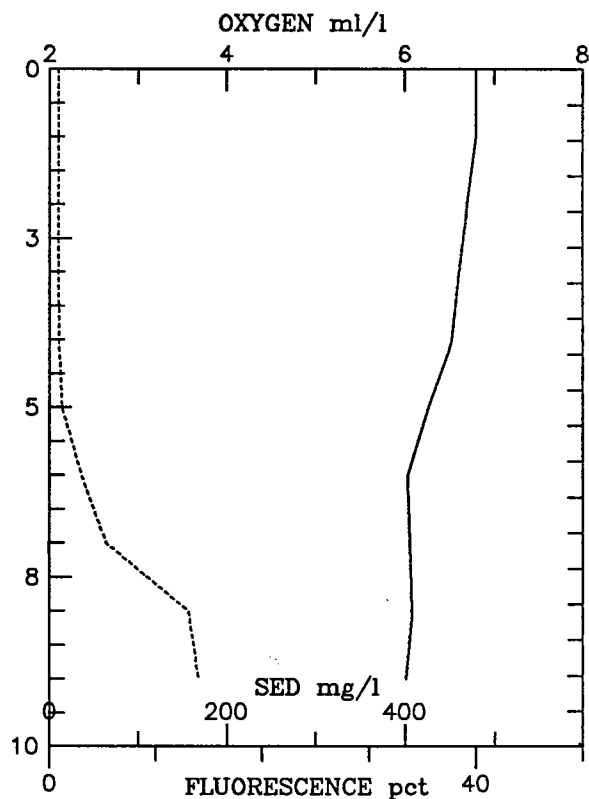
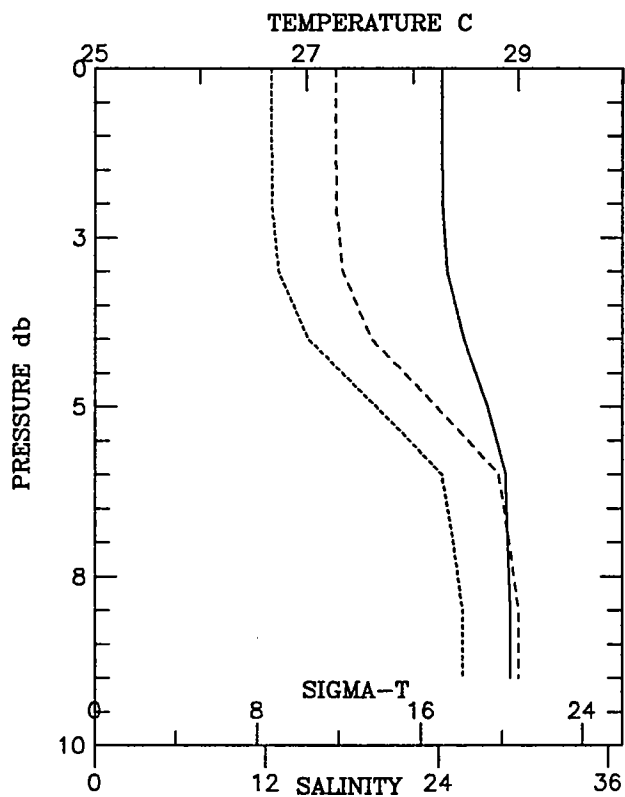
Cruise I9004 Leg 4 Station # 46 Depth m:15 Time: 1990-06-11 06:54
 Position: 2° 28.99'N 49° 15.31'W Depth Deck Offset: -0.03 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	28.567	23.116	13.310	0.0000	5.108	0.0	3.9
1.0	28.624	23.443	13.536	0.0142	5.763	0.0	4.0
2.0	28.649	23.486	13.560	0.0282	6.523	0.0	3.8
3.0	28.659	23.522	13.584	0.0422	6.481	0.0	3.8
4.0	28.684	23.776	13.766	0.0561	6.401	0.0	3.8
5.0	28.707	24.071	13.979	0.0698	6.430	0.0	3.8
6.0	28.727	24.425	14.236	0.0833	6.342	0.0	3.8
7.0	28.748	24.924	14.602	0.0965	6.410	0.0	3.9
8.0	28.811	27.033	16.159	0.1088	6.376	0.0	4.7
9.0	28.853	28.779	17.451	0.1197	6.074	0.0	5.8
10.0	28.899	31.433	19.424	0.1290	5.884	0.0	7.9
11.0	28.892	32.669	20.353	0.1369	5.686	0.0	9.3
12.0	28.877	33.873	21.261	0.1439	5.638	0.0	16.4
13.0	28.871	34.015	21.370	0.1505	5.668	0.0	19.6



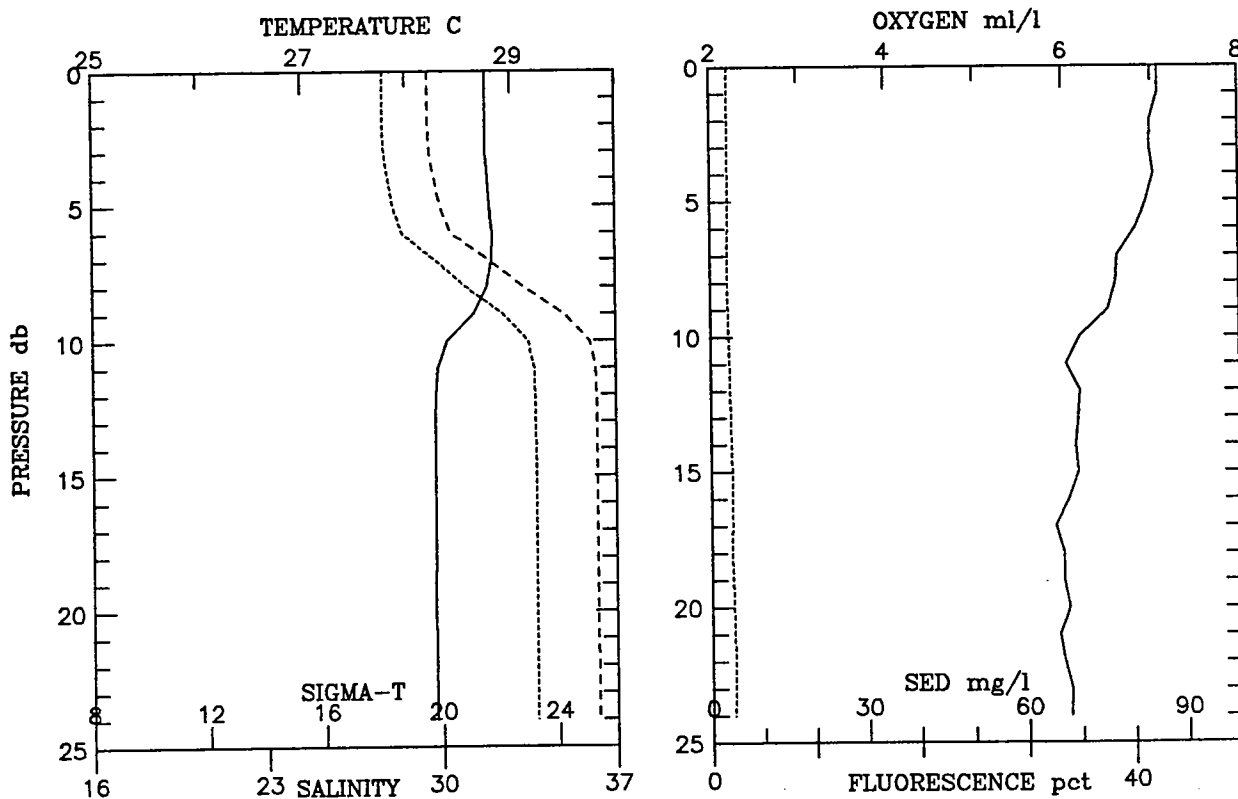
Cruise 19004 Leg 4 Station # 47 Depth m:12 Time: 1990-06-11 08:41
 Position: 2° 15.03'N 49° 14.99'W Depth Deck Offset: 0.08 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.274	16.843	8.721	0.0000	6.799	0.0	9.7
1.0		28.274	16.842	8.720	0.0188	6.800	0.0	9.7
2.0		28.278	16.854	8.728	0.0375	6.699	0.0	9.5
3.0		28.325	17.317	9.059	0.0561	6.610	0.0	9.7
4.0		28.483	19.306	10.493	0.0738	6.529	0.0	10.6
5.0		28.704	23.836	13.804	0.0892	6.268	0.0	14.1
6.0		28.880	28.225	17.029	0.1015	6.034	0.0	36.4
7.0		28.902	28.966	17.575	0.1119	6.056	0.0	63.8
8.0		28.924	29.601	18.043	0.1218	6.075	0.0	156.2
9.0		28.924	29.599	18.042	0.1315	6.011	0.0	168.0



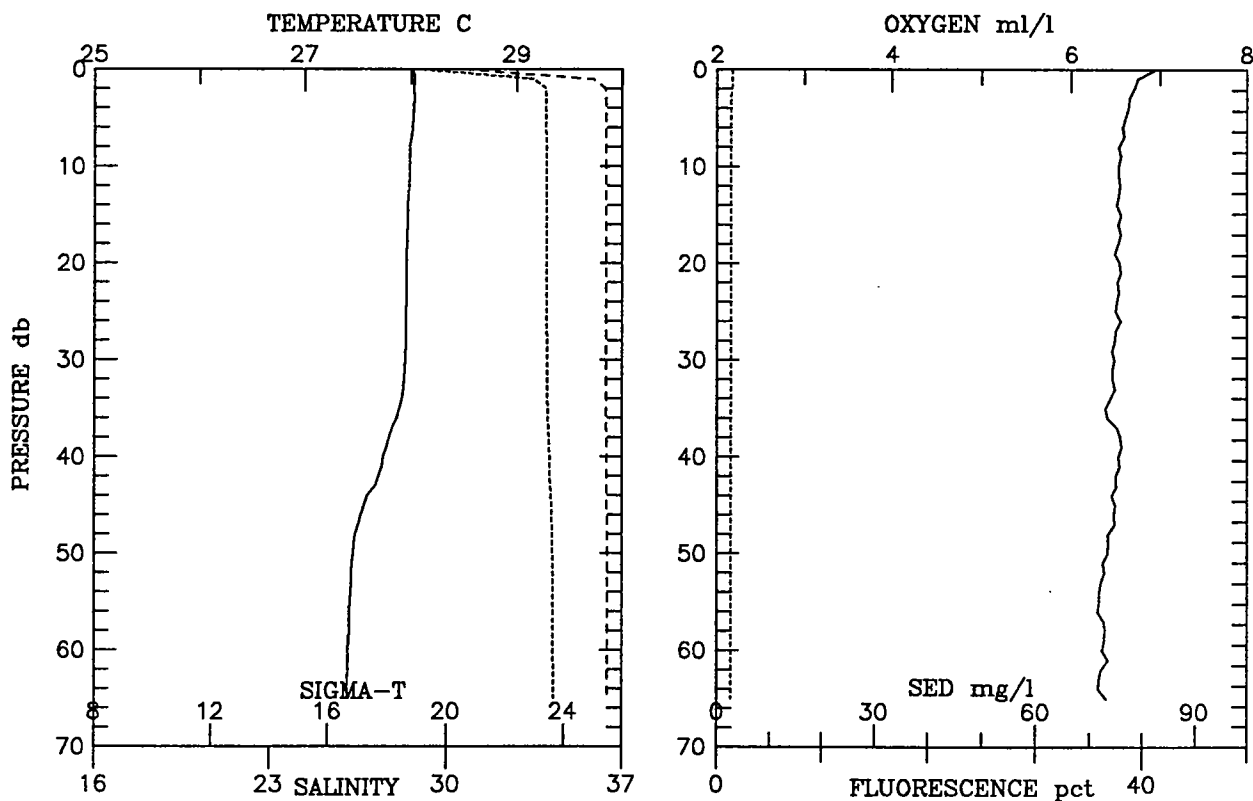
Cruise 19004 Leg 4 Station # 48 Depth m:23 Time: 1990-06-11 11:03
 Position: 2° 23.69'N 48° 57.77'W Depth Deck Offset: 0.08 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.765	29.516	18.032	0.0000	7.081	0.0	3.3
2.0		28.765	29.523	18.037	0.0194	6.992	0.0	3.3
4.0		28.782	29.774	18.219	0.0386	7.030	0.0	3.3
6.0		28.826	30.420	18.689	0.0573	6.821	0.0	3.3
8.0		28.770	33.306	20.871	0.0733	6.594	0.0	3.2
10.0		28.390	35.957	22.988	0.0850	6.187	0.0	3.4
12.0		28.282	36.213	23.217	0.0946	6.190	0.0	3.6
14.0		28.275	36.226	23.229	0.1040	6.135	0.0	3.8
16.0		28.274	36.230	23.232	0.1134	6.054	0.0	3.9
18.0		28.272	36.228	23.231	0.1228	5.997	0.0	3.8
20.0		28.272	36.232	23.234	0.1323	6.054	0.0	4.1
22.0		28.273	36.233	23.235	0.1417	5.998	0.0	4.3
24.0		28.275	36.233	23.234	0.1511	6.071	0.0	4.2



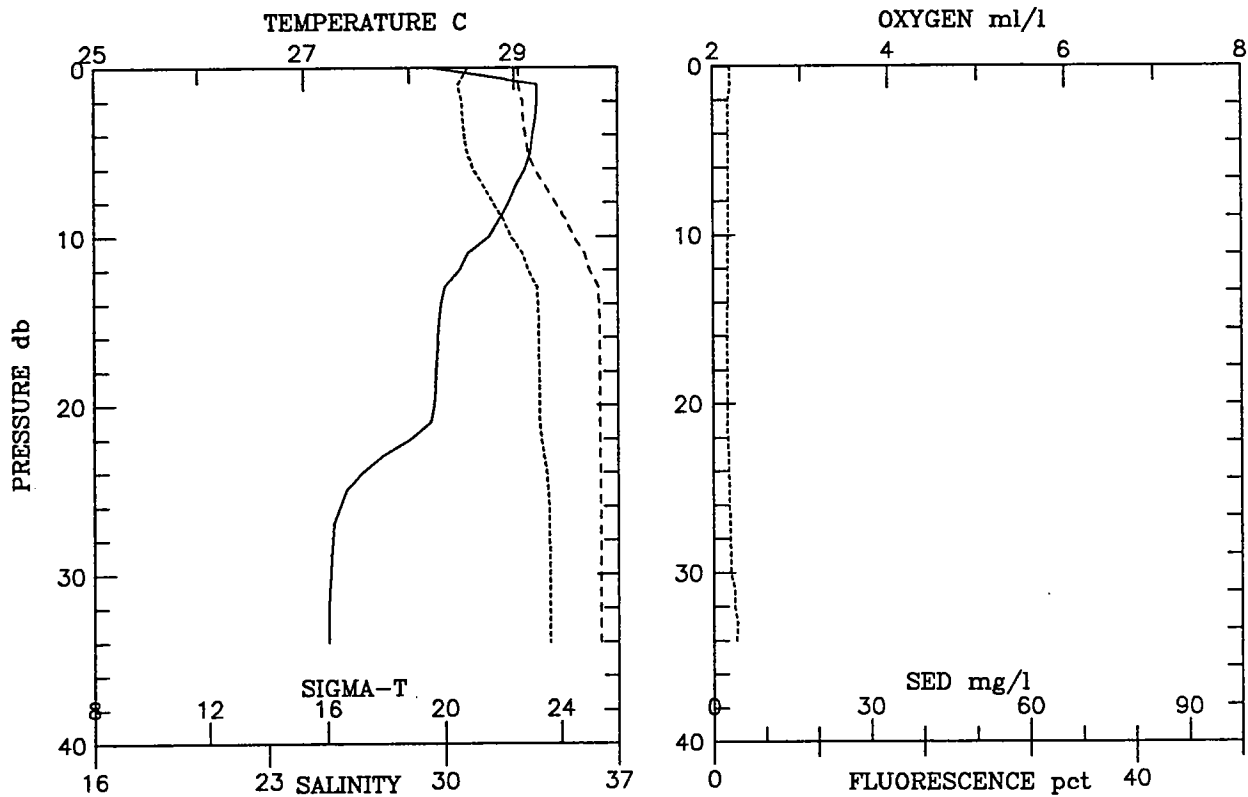
Cruise I9004 Leg 4 Station # 49 Depth m:70 Time: 1990-06-11 13:15
 Position: 2° 29.04'N 48° 37.96'W Depth Deck Offset: 0.28 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.029	30.734	19.183	0.0000	6.952	0.0	2.8
5.0		28.021	36.347	23.403	0.0251	6.610	0.0	2.6
10.0		27.987	36.346	23.413	0.0478	6.533	0.0	2.6
15.0		27.971	36.345	23.418	0.0705	6.555	0.0	2.6
20.0		27.962	36.346	23.422	0.0931	6.543	0.0	2.6
25.0		27.956	36.346	23.424	0.1158	6.500	0.0	2.6
30.0		27.946	36.346	23.427	0.1384	6.485	0.0	2.6
35.0		27.893	36.351	23.448	0.1611	6.388	0.0	2.6
40.0		27.743	36.372	23.513	0.1835	6.527	0.0	2.6
45.0		27.565	36.383	23.580	0.2056	6.492	0.0	2.6
50.0		27.460	36.393	23.621	0.2275	6.409	0.0	2.6
55.0		27.434	36.397	23.633	0.2492	6.309	0.0	2.6
60.0		27.417	36.399	23.640	0.2709	6.347	0.0	2.6
65.0		27.408	36.400	23.643	0.2926	6.391	0.0	2.6



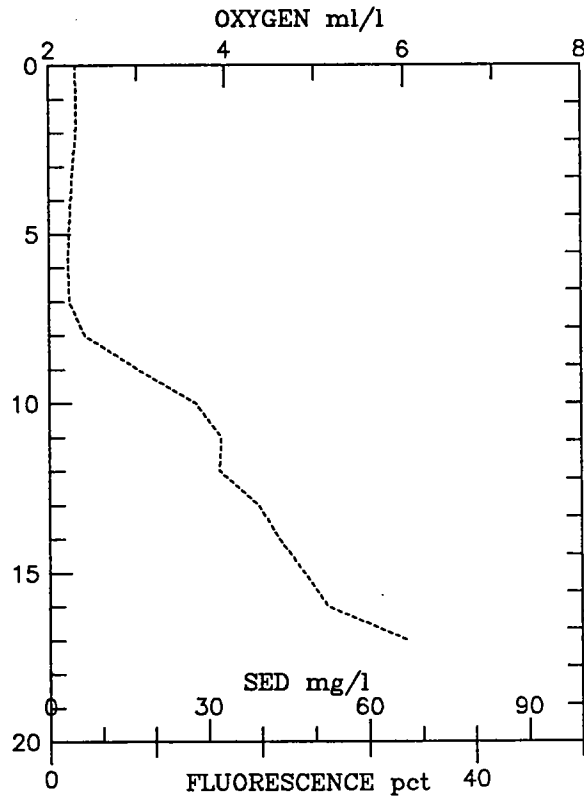
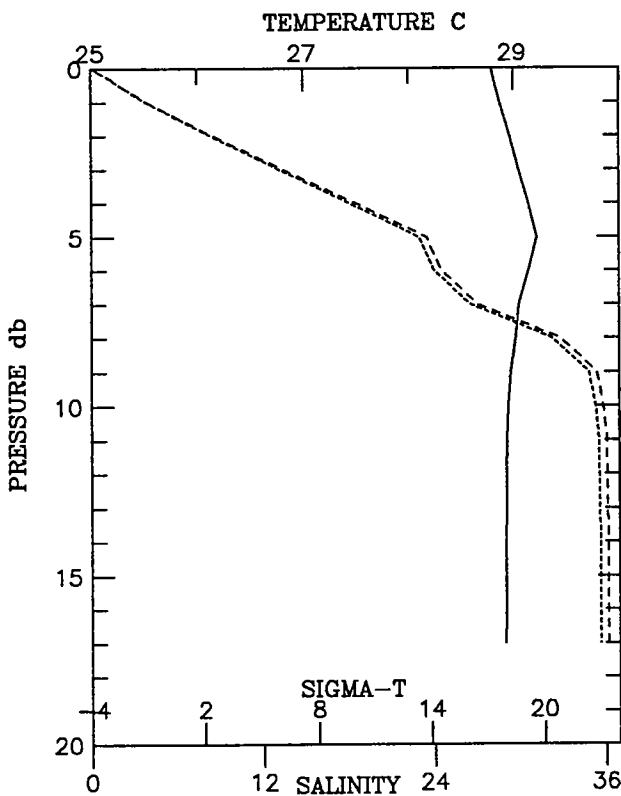
Cruise 19004 Leg 4 Station # 50 Depth m:35 Time: 1990-06-11 15:09
 Position: 2° 14.85'N 48° 42.54'W Depth Deck Offset: 0.28 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.218	32.993	20.818	0.0000	0.000	0.0	3.1
2.0	29.220	33.160	20.613	0.0258	0.000	0.0	2.9
4.0	29.180	33.258	20.699	0.0402	0.000	0.0	2.9
6.0	29.103	33.625	21.000	0.0542	0.000	0.0	2.9
8.0	28.948	34.471	21.687	0.0672	0.000	0.0	2.8
10.0	28.757	35.184	22.285	0.0790	0.000	0.0	2.8
12.0	28.474	35.842	22.874	0.0895	0.000	0.0	2.7
14.0	28.300	36.223	23.218	0.0992	0.000	0.0	2.7
16.0	28.267	36.241	23.243	0.1086	0.000	0.0	2.6
18.0	28.249	36.242	23.249	0.1180	0.000	0.0	2.6
20.0	28.230	36.240	23.254	0.1274	0.000	0.0	2.6
22.0	28.000	36.242	23.331	0.1367	0.000	0.0	2.7
24.0	27.546	36.280	23.508	0.1458	0.000	0.0	2.9
26.0	27.340	36.284	23.578	0.1546	0.000	0.0	3.0
28.0	27.272	36.284	23.600	0.1633	0.000	0.0	3.1
30.0	27.252	36.281	23.604	0.1720	0.000	0.0	3.2
32.0	27.234	36.282	23.611	0.1808	0.000	0.0	4.0
34.0	27.233	36.283	23.612	0.1895	0.000	0.0	4.3



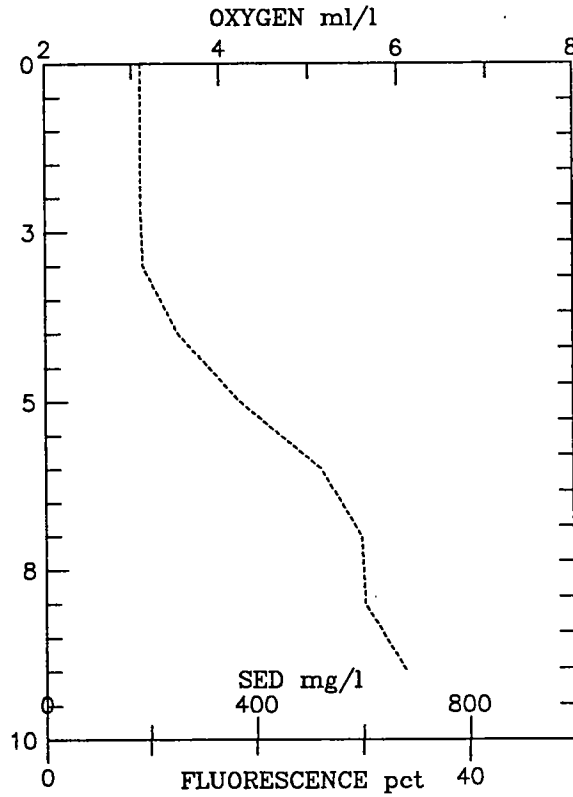
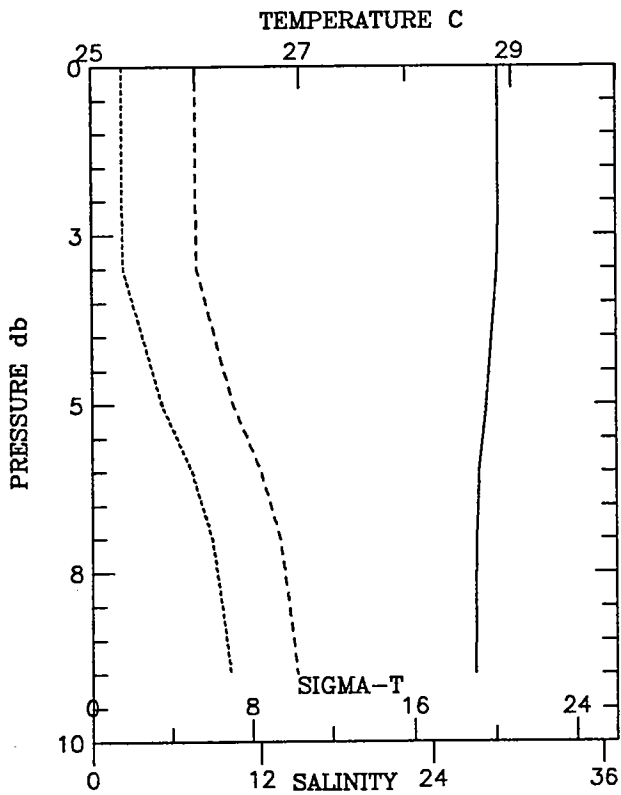
Cruise I9004 Leg 4 Station # 51 Depth m:20 Time: 1990-06-11 17:08
 Position: 2° 4.56'N 48° 52.52'W Depth Deck Offset: 0.37 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	28.796	0.140	-3.886	0.0000	0.000	0.0	5.0
1.0	* 28.876	3.966	-1.050	0.0299	0.000	0.0	5.2
2.0	* 28.964	8.599	2.373	0.0566	0.000	0.0	5.1
3.0	* 29.052	13.475	5.973	0.0799	0.000	0.0	4.5
4.0	* 29.140	18.530	9.709	0.0995	0.000	0.0	4.1
5.0	29.224	23.495	13.383	0.1155	0.000	0.0	3.7
6.0	29.140	24.557	14.203	0.1293	0.000	0.0	3.6
7.0	29.051	27.058	16.100	0.1418	0.000	0.0	3.8
8.0	29.023	32.821	20.423	0.1512	0.000	0.0	6.7
9.0	28.972	35.414	22.387	0.1577	0.000	0.0	16.8
10.0	28.949	35.848	22.720	0.1631	0.000	0.0	27.7
11.0	28.936	36.082	22.900	0.1682	0.000	0.0	32.5
12.0	28.933	36.102	22.916	0.1732	0.000	0.0	32.2
13.0	28.928	36.131	22.940	0.1782	0.000	0.0	39.5
14.0	28.925	36.146	22.952	0.1832	0.000	0.0	43.4
15.0	28.924	36.148	22.954	0.1881	0.000	0.0	48.1
16.0	28.922	36.153	22.958	0.1931	0.000	0.0	52.4
17.0	28.919	36.161	22.965	0.1981	0.000	0.0	67.2



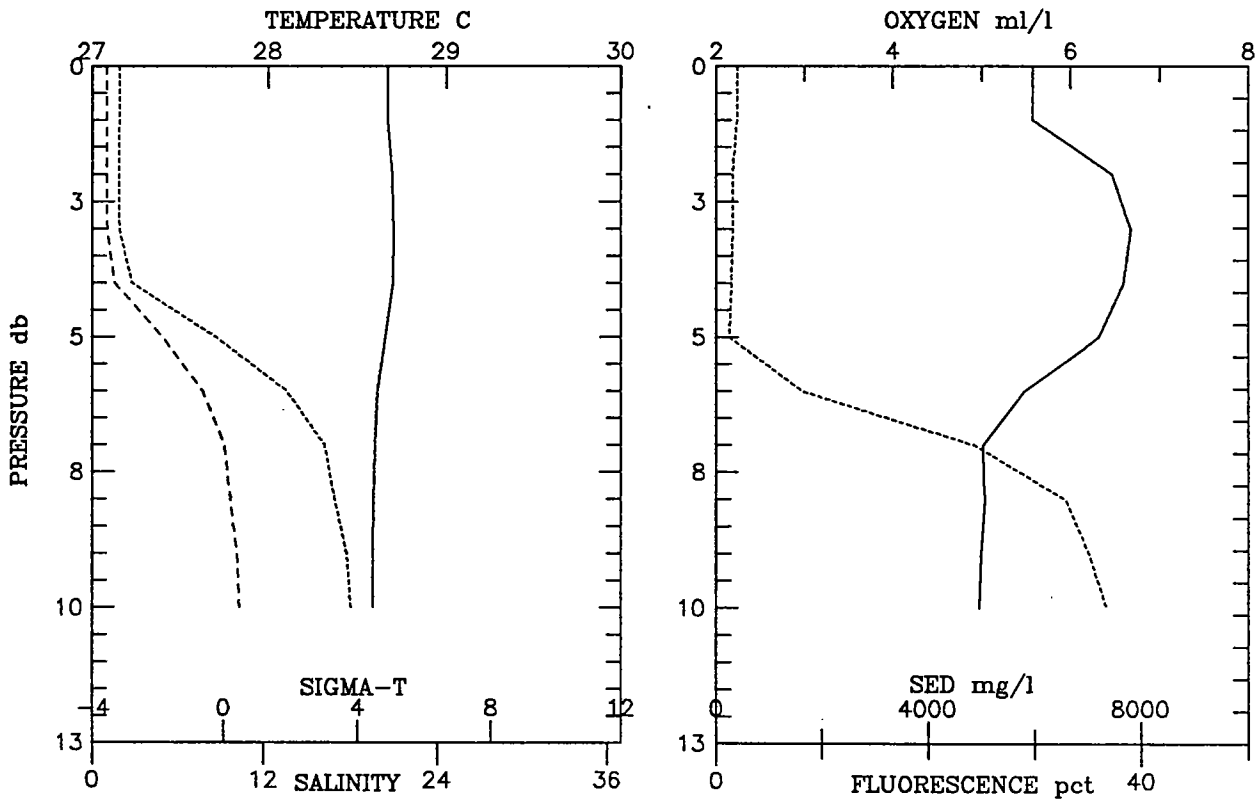
Cruise 19004 Leg 4 Station # 52 Depth m:12 Time: 1990-06-11 20:16
 Position: 1° 51.97'N 49° 2.91'W Depth Deck Offset: 0.47 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.877	7.467	1.557	0.0000	0.000	0.0	183.1
1.0	E	28.877	7.467	1.557	0.0258	0.000	0.0	183.1
2.0		28.876	7.467	1.557	0.0517	0.000	0.0	183.1
3.0		28.862	7.512	1.595	0.0775	0.000	0.0	187.5
4.0		28.808	8.790	2.562	0.1028	0.000	0.0	253.9
5.0		28.757	10.057	3.521	0.1272	0.000	0.0	370.8
6.0		28.685	12.050	5.026	0.1504	0.000	0.0	523.2
7.0		28.663	13.373	6.017	0.1723	0.000	0.0	597.8
8.0		28.657	14.029	6.507	0.1935	0.000	0.0	604.6
9.0		28.652	14.593	6.929	0.2142	0.000	0.0	681.2



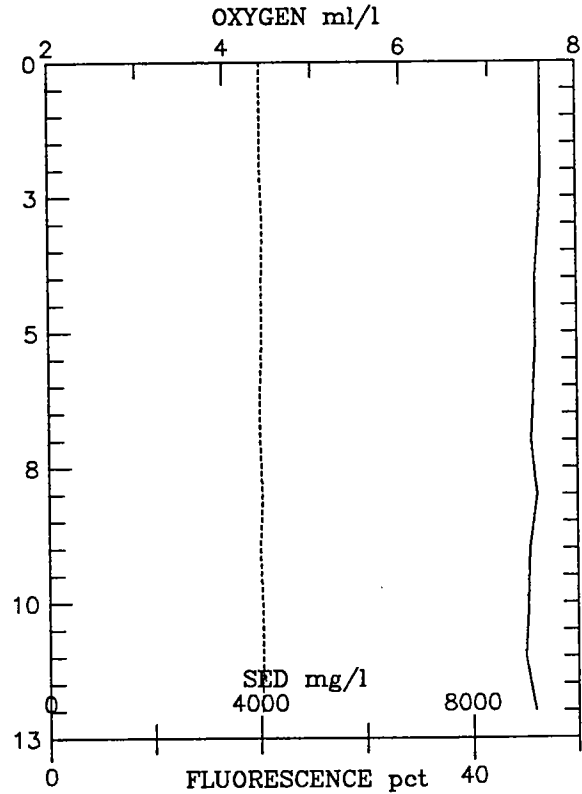
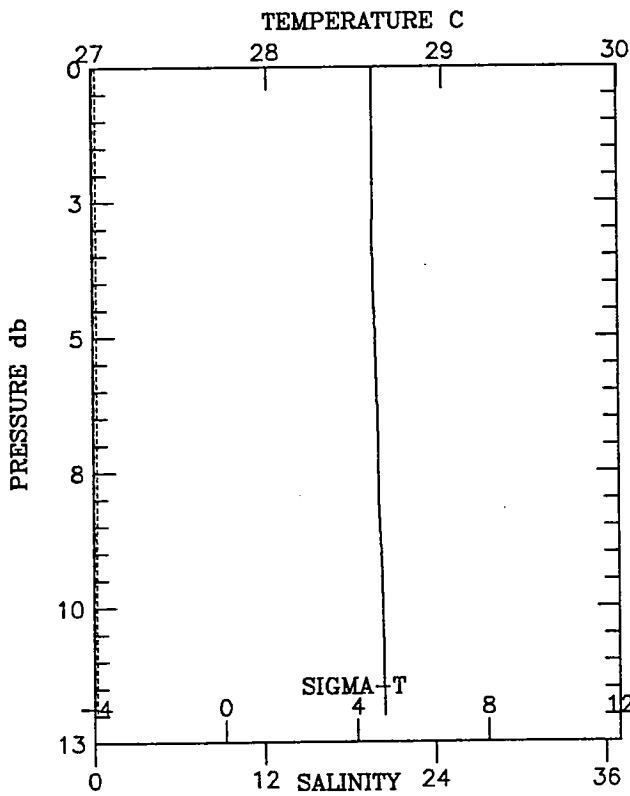
Cruise I9004 Leg 4 Station # 53 Depth m:11 Time: 1990-06-11 21:56
 Position: 1° 41.58'N 49° 9.37'W Depth Deck Offset: 0.47 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.671	1.046	-3.170	0.0000	5.578	0.0	387.4
1.0		28.670	1.046	-3.170	0.0306	5.578	0.0	387.4
2.0		28.696	1.043	-3.180	0.0612	6.474	0.0	304.9
3.0		28.702	1.058	-3.170	0.0917	6.685	0.0	307.7
4.0		28.701	1.582	-2.778	0.1221	6.600	0.0	285.6
5.0		28.657	4.991	-0.221	0.1510	6.320	0.0	247.2
6.0		28.613	7.797	1.882	0.1776	5.479	0.0	1633.3
7.0		28.596	9.323	3.023	0.2025	5.017	0.0	4875.1
8.0		28.592	9.728	3.326	0.2268	5.036	0.0	6579.8
9.0		28.588	10.200	3.678	0.2507	4.991	0.0	7018.6
10.0		28.587	10.362	3.799	0.2744	4.970	0.0	7346.7



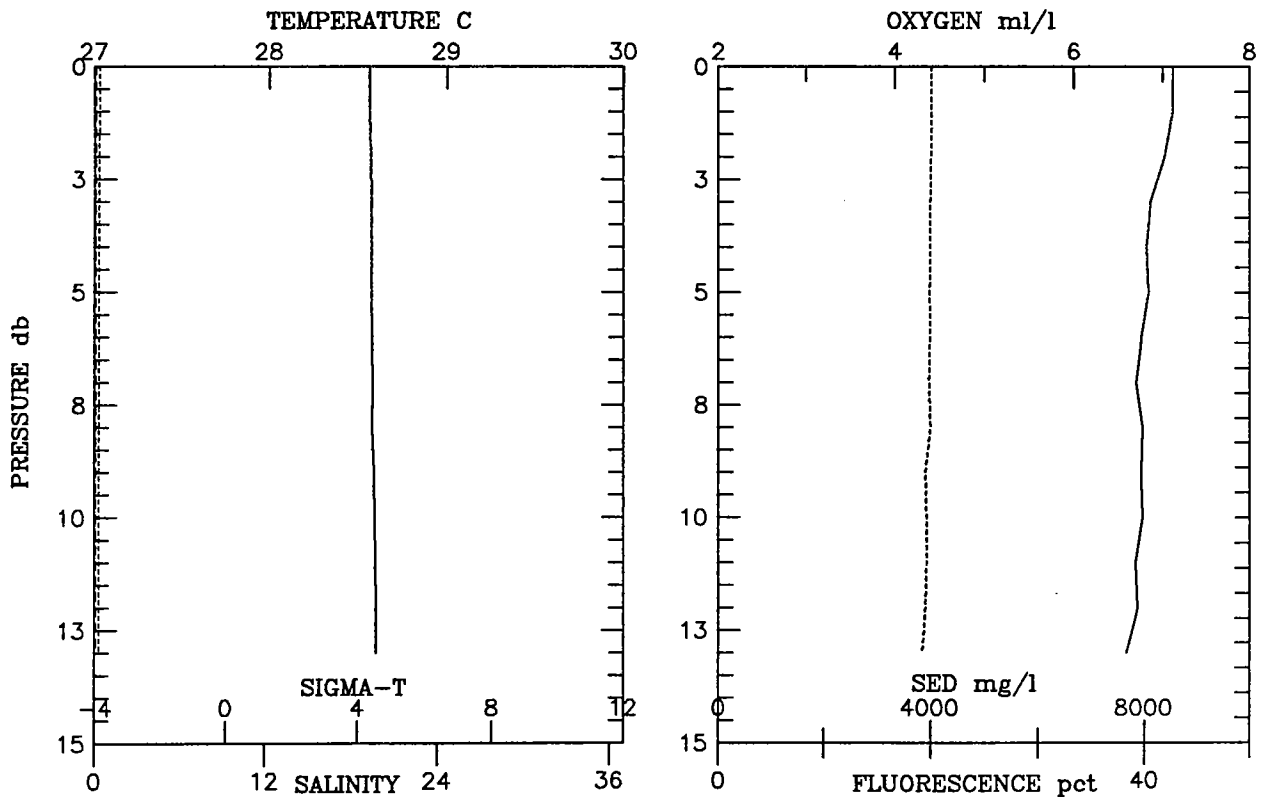
Cruise I9004 Leg 4 Station # 54.01 Depth m:13 Time: 1990-06-12 00:21
 Position: 1° 23.46'N 49° 23.93'W Depth Deck Offset: 0.47 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.603	0.068	-3.884	0.0000	7.600	0.0	4028.4
1.0	E 28.603	0.068	-3.884	0.0313	7.600	0.0	4028.4
2.0	28.603	0.068	-3.884	0.0626	7.601	0.0	4028.4
3.0	28.600	0.068	-3.883	0.0939	7.570	0.0	4071.8
4.0	28.603	0.068	-3.884	0.1252	7.529	0.0	4052.2
5.0	28.611	0.069	-3.886	0.1564	7.529	0.0	4050.2
6.0	28.619	0.069	-3.888	0.1877	7.504	0.0	4014.8
7.0	28.625	0.069	-3.890	0.2190	7.471	0.0	4011.2
8.0	28.626	0.069	-3.890	0.2503	7.541	0.0	4049.0
9.0	28.640	0.069	-3.894	0.2816	7.453	0.0	4008.2
10.0	28.650	0.070	-3.896	0.3129	7.435	0.0	4040.3
11.0	28.653	0.070	-3.897	0.3442	7.404	0.0	4044.6
12.0	28.656	0.070	-3.898	0.3755	7.509	0.0	4027.2



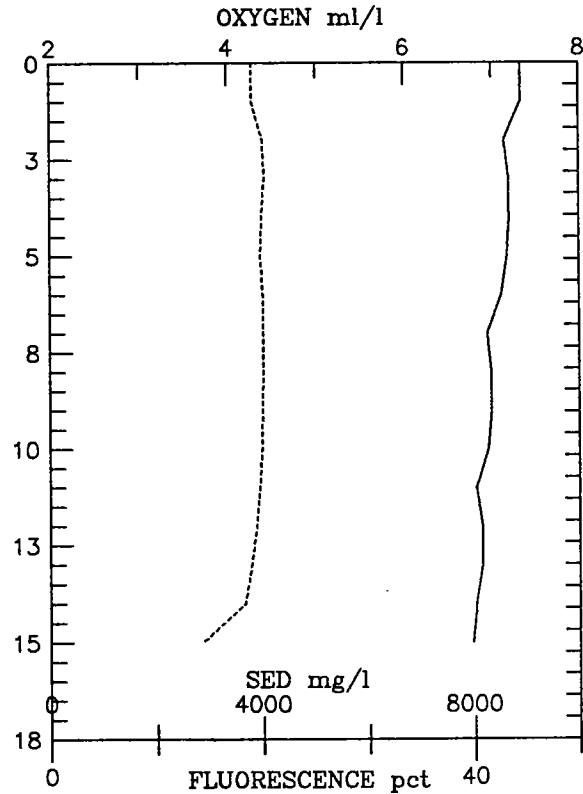
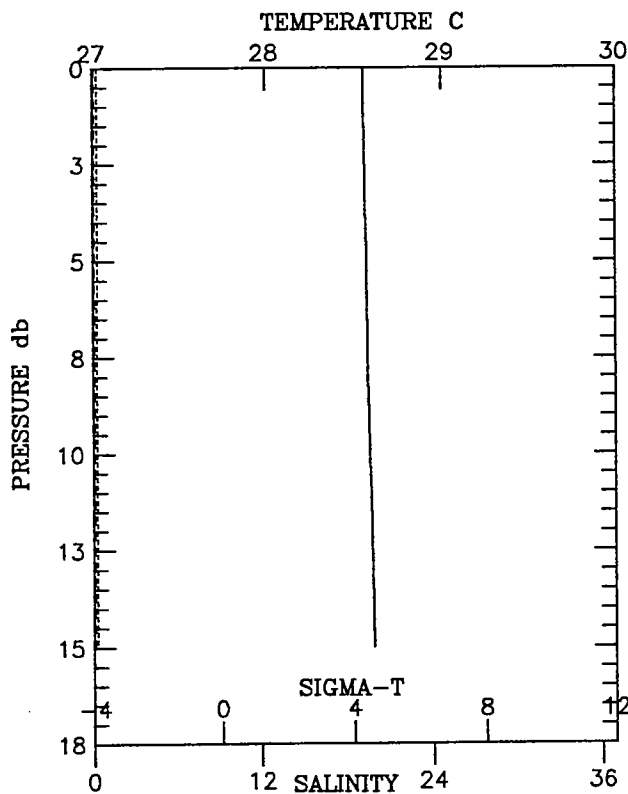
Cruise 19004 Leg 4 Station # 54.02 Depth m:15 Time: 1990-06-12 01:26
 Position: 1° 23.48'N 49° 23.97'W Depth Deck Offset: 0.12 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.568	0.101	-3.850	0.0000	7.120	0.0	4014.4
1.0		28.568	0.101	-3.850	0.0313	7.121	0.0	4014.4
2.0		28.577	0.101	-3.853	0.0625	7.024	0.0	4001.6
3.0		28.579	0.100	-3.854	0.0938	6.867	0.0	3990.0
4.0		28.579	0.100	-3.854	0.1250	6.823	0.0	3979.9
5.0		28.578	0.100	-3.854	0.1563	6.843	0.0	3975.9
6.0		28.581	0.100	-3.855	0.1876	6.760	0.0	3977.7
7.0		28.587	0.099	-3.857	0.2188	6.706	0.0	3964.7
8.0		28.582	0.100	-3.855	0.2501	6.775	0.0	3992.0
9.0		28.594	0.096	-3.861	0.2813	6.760	0.0	3899.9
10.0		28.597	0.095	-3.862	0.3126	6.777	0.0	3920.1
11.0		28.602	0.094	-3.864	0.3439	6.699	0.0	3919.7
12.0		28.603	0.093	-3.866	0.3752	6.716	0.0	3895.6
13.0		28.604	0.092	-3.867	0.4064	6.593	0.0	3840.3



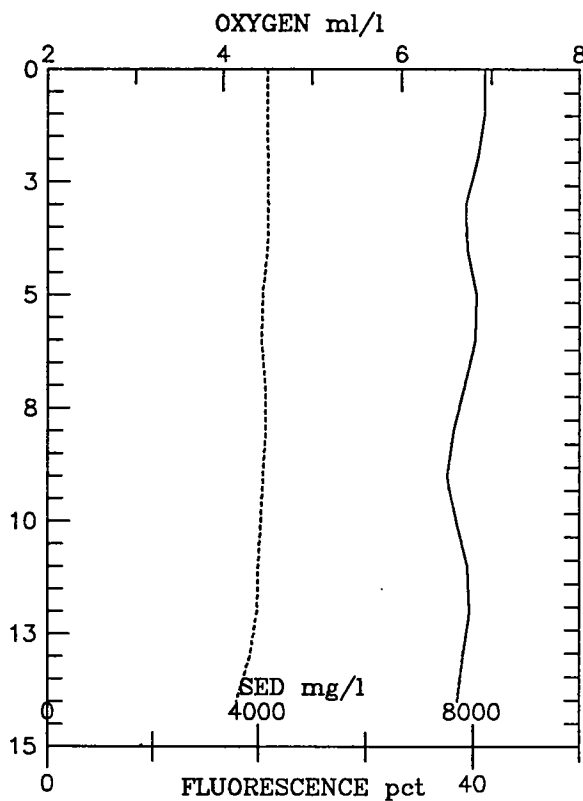
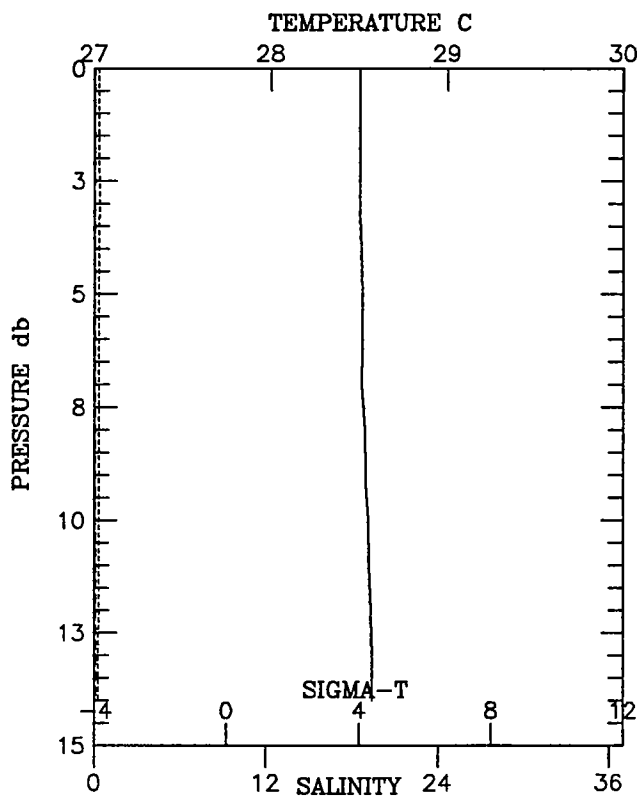
Cruise I9004 Leg 4 Station # 54.03 Depth m:16 Time: 1990-06-12 02:26
 Position: 1° 23.44'N 49° 23.94'W Depth Deck Offset: 0.05 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.563	0.078	-3.865	0.0000	7.338	0.0	3802.1
1.0		28.562	0.078	-3.865	0.0313	7.338	0.0	3802.1
2.0		28.565	0.078	-3.866	0.0625	7.148	0.0	4006.6
3.0		28.570	0.078	-3.868	0.0938	7.200	0.0	4034.8
4.0		28.571	0.078	-3.868	0.1251	7.207	0.0	3981.3
5.0		28.574	0.078	-3.869	0.1564	7.178	0.0	3962.5
6.0		28.575	0.078	-3.869	0.1876	7.110	0.0	4003.0
7.0		28.579	0.078	-3.870	0.2189	6.954	0.0	4004.1
8.0		28.579	0.078	-3.870	0.2502	6.998	0.0	4004.8
9.0		28.588	0.078	-3.873	0.2815	6.992	0.0	3997.3
10.0		28.592	0.078	-3.874	0.3128	6.959	0.0	3978.4
11.0		28.596	0.078	-3.875	0.3440	6.825	0.0	3936.2
12.0		28.602	0.078	-3.877	0.3753	6.885	0.0	3873.4
13.0		28.604	0.078	-3.878	0.4066	6.890	0.0	3776.4
14.0		28.608	0.079	-3.878	0.4379	6.812	0.0	3652.3
15.0		28.611	0.082	-3.877	0.4692	6.778	0.0	2848.7



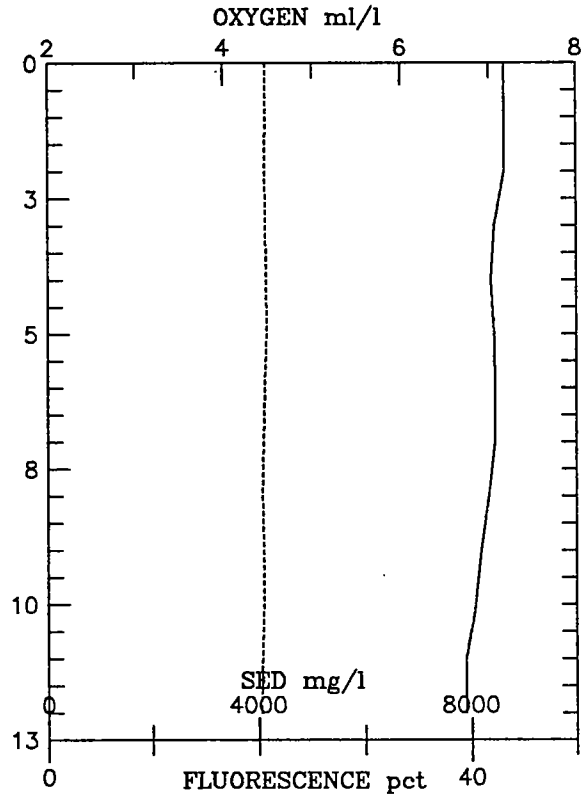
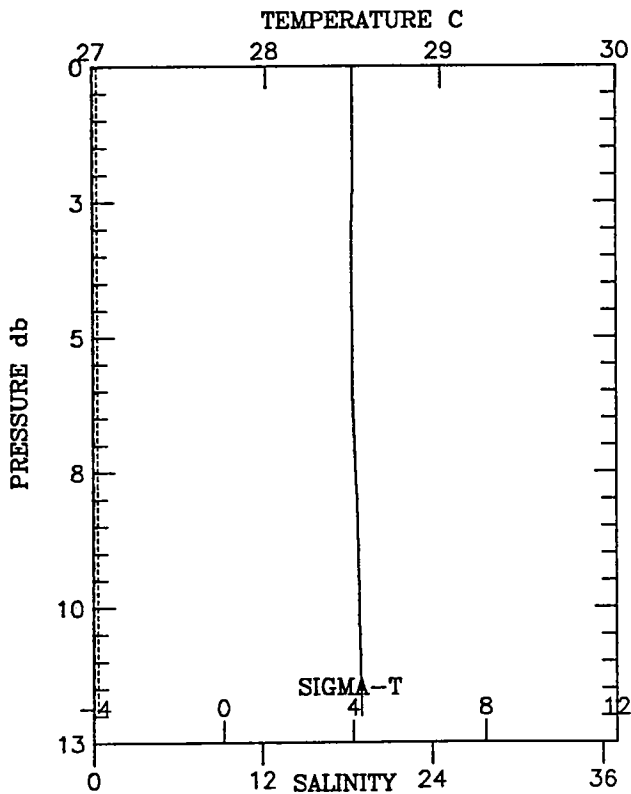
Cruise I9004 Leg 4 Station # 54.04 Depth m:15 Time: 1990-06-12 03:23
 Position: 1° 23.45'N 49° 23.91'W Depth Deck Offset: -0.13 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.504	0.074	-3.852	0.0000	6.930	0.0	4163.6
1.0		28.503	0.074	-3.852	0.0313	6.931	0.0	4163.6
2.0		28.503	0.074	-3.852	0.0625	6.848	0.0	4175.7
3.0		28.502	0.074	-3.851	0.0938	6.721	0.0	4183.9
4.0		28.509	0.074	-3.853	0.1250	6.733	0.0	4170.3
5.0		28.516	0.074	-3.855	0.1563	6.835	0.0	4078.0
6.0		28.518	0.074	-3.856	0.1876	6.821	0.0	4056.1
7.0		28.514	0.074	-3.855	0.2188	6.705	0.0	4126.2
8.0		28.533	0.074	-3.860	0.2501	6.585	0.0	4133.0
9.0		28.537	0.074	-3.861	0.2813	6.506	0.0	4081.7
10.0		28.550	0.074	-3.865	0.3126	6.607	0.0	4042.6
11.0		28.555	0.074	-3.867	0.3439	6.734	0.0	3991.8
12.0		28.564	0.075	-3.868	0.3752	6.752	0.0	3969.3
13.0		28.573	0.075	-3.871	0.4064	6.683	0.0	3836.3
14.0		28.573	0.075	-3.871	0.4377	6.623	0.0	3577.6



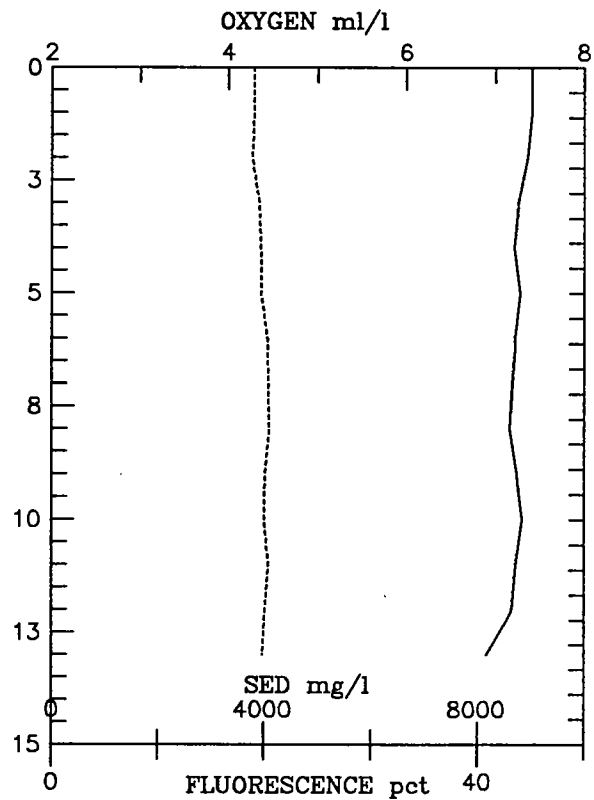
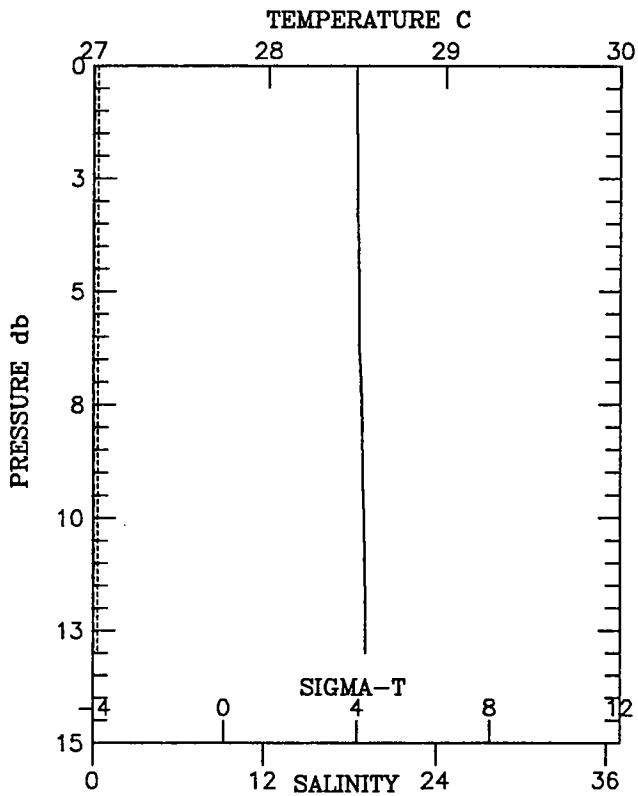
Cruise I9004 Leg 4 Station # 54.05 Depth m:15 Time: 1990-06-12 04:23
 Position: 1° 23.45'N 49° 23.92'W Depth Deck Offset: -0.08 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.502	0.068	-3.855	0.0000	7.180	0.0	4127.6
1.0		28.502	0.068	-3.855	0.0313	7.180	0.0	4127.6
2.0		28.502	0.068	-3.855	0.0625	7.175	0.0	4120.7
3.0		28.496	0.068	-3.853	0.0938	7.064	0.0	4132.3
4.0		28.497	0.068	-3.854	0.1250	7.025	0.0	4143.7
5.0		28.499	0.068	-3.854	0.1563	7.060	0.0	4151.6
6.0		28.501	0.068	-3.855	0.1876	7.071	0.0	4117.6
7.0		28.509	0.068	-3.857	0.2188	7.069	0.0	4093.1
8.0		28.525	0.069	-3.861	0.2501	6.991	0.0	4071.4
9.0		28.534	0.069	-3.864	0.2814	6.907	0.0	4096.8
10.0		28.534	0.069	-3.864	0.3126	6.840	0.0	4091.7
11.0		28.543	0.069	-3.866	0.3439	6.731	0.0	4063.7
12.0		28.547	0.070	-3.867	0.3752	6.735	0.0	4044.9



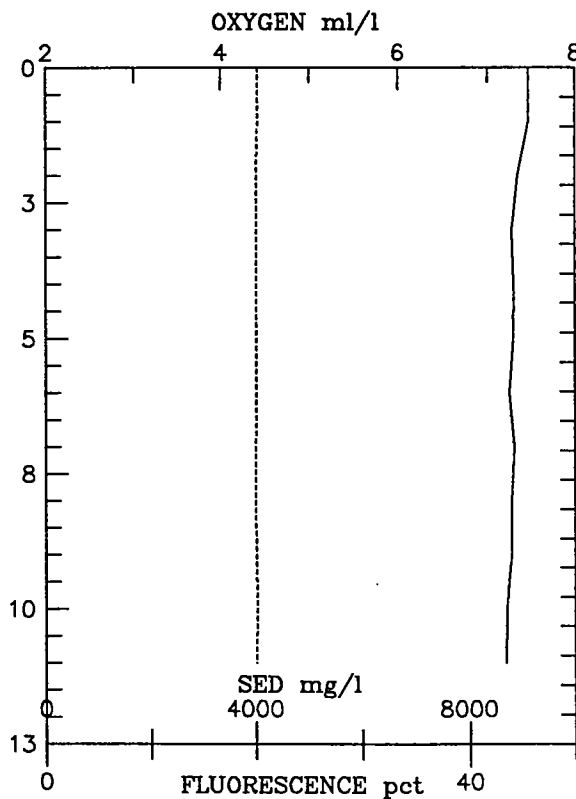
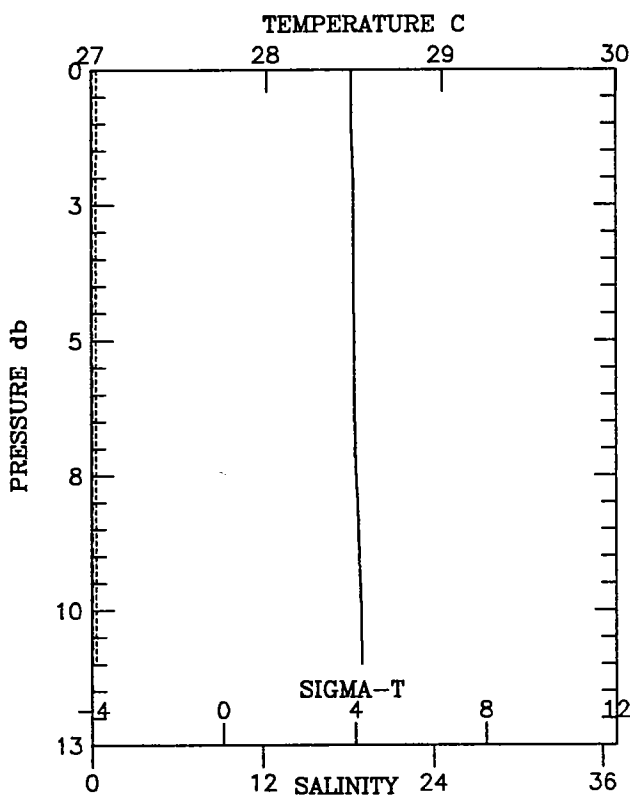
Cruise I9004 Leg 4 Station # 54.06 Depth m:15 Time: 1990-06-12 05:24
 Position: 1° 23.47'N 49° 23.93'W Depth Deck Offset: -0.08 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.496	0.066	-3.855	0.0000	7.412	0.0	3815.6
1.0		28.495	0.066	-3.855	0.0313	7.413	0.0	3815.6
2.0		28.499	0.066	-3.856	0.0625	7.358	0.0	3778.2
3.0		28.501	0.066	-3.856	0.0938	7.254	0.0	3912.3
4.0		28.506	0.066	-3.858	0.1250	7.217	0.0	3939.8
5.0		28.509	0.066	-3.859	0.1563	7.282	0.0	3948.8
6.0		28.512	0.066	-3.859	0.1876	7.218	0.0	4064.0
7.0		28.523	0.066	-3.863	0.2188	7.191	0.0	4080.4
8.0		28.528	0.067	-3.863	0.2501	7.164	0.0	4098.6
9.0		28.533	0.067	-3.865	0.2814	7.242	0.0	4020.3
10.0		28.538	0.067	-3.866	0.3127	7.304	0.0	4005.3
11.0		28.543	0.068	-3.867	0.3439	7.229	0.0	4082.9
12.0		28.545	0.068	-3.868	0.3752	7.186	0.0	4020.6
13.0		28.547	0.068	-3.868	0.4065	6.901	0.0	3970.6



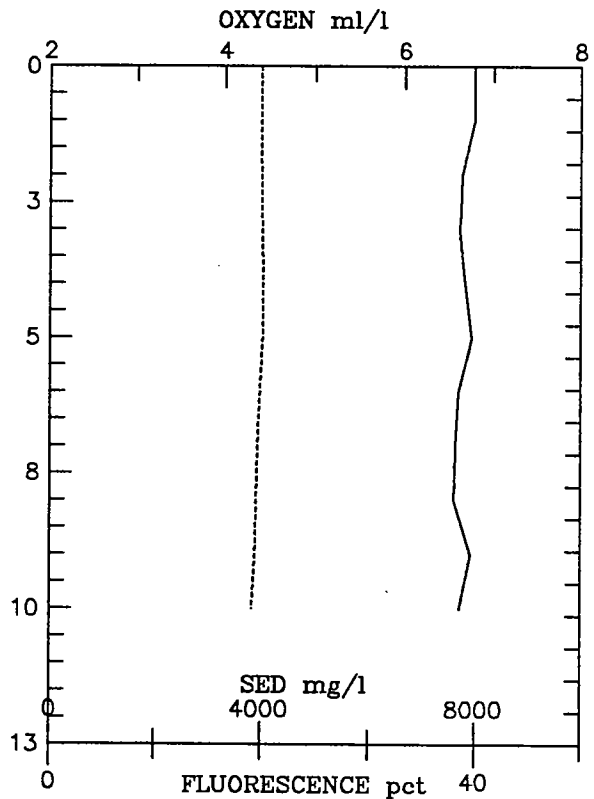
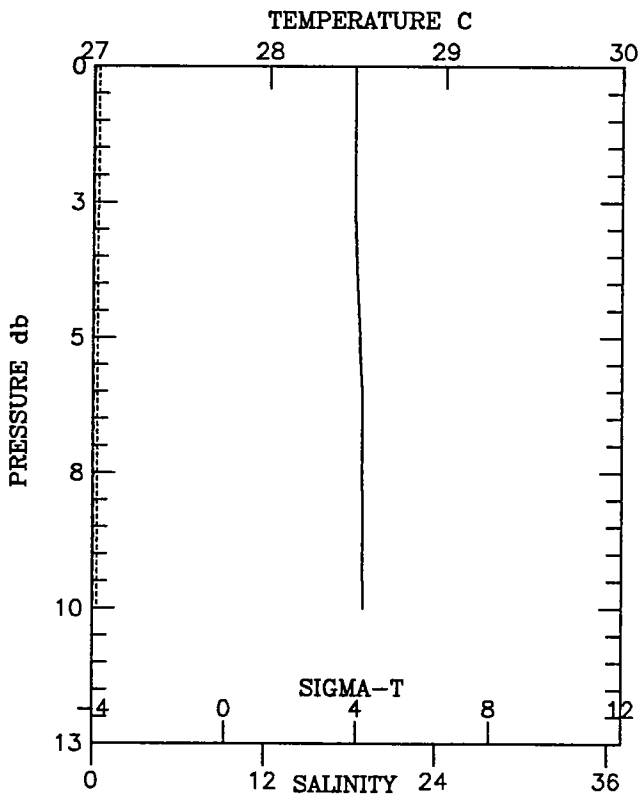
Cruise I9004 Leg 4 Station # 54.07 Depth m:14 Time: 1990-06-12 06:22
 Position: 1° 23.51'N 49° 23.88'W Depth Deck Offset: 0.00 Fish 3

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.483	0.068	-3.850	0.0000	7.468	0.0	4030.6
1.0	28.483	0.068	-3.849	0.0313	7.469	0.0	4030.6
2.0	28.493	0.068	-3.853	0.0625	7.348	0.0	4006.8
3.0	28.491	0.068	-3.852	0.0938	7.281	0.0	4011.0
4.0	28.491	0.068	-3.852	0.1250	7.300	0.0	4011.9
5.0	28.495	0.068	-3.853	0.1563	7.292	0.0	4015.5
6.0	28.496	0.068	-3.854	0.1875	7.251	0.0	4010.5
7.0	28.498	0.068	-3.854	0.2188	7.307	0.0	3999.8
8.0	28.513	0.068	-3.858	0.2501	7.268	0.0	3993.2
9.0	28.523	0.068	-3.861	0.2813	7.271	0.0	4009.4
10.0	28.531	0.069	-3.863	0.3126	7.212	0.0	4025.6
11.0	28.536	0.069	-3.864	0.3439	7.205	0.0	4005.7



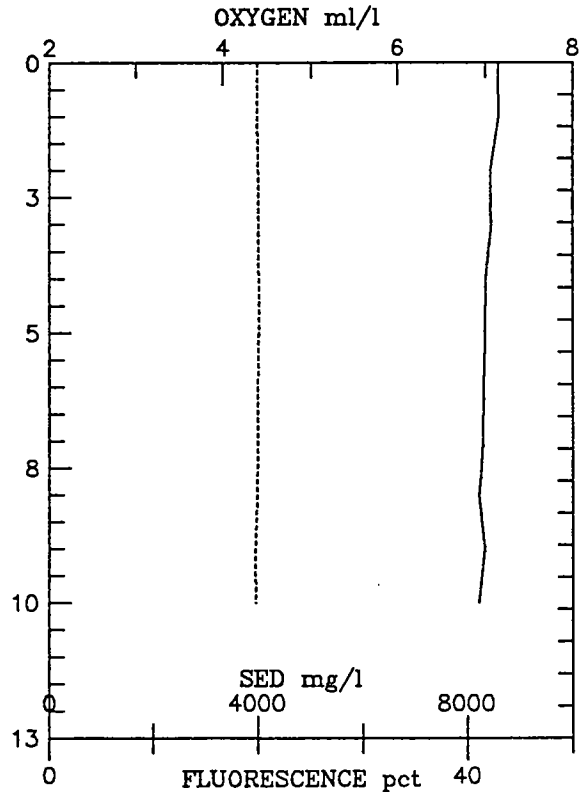
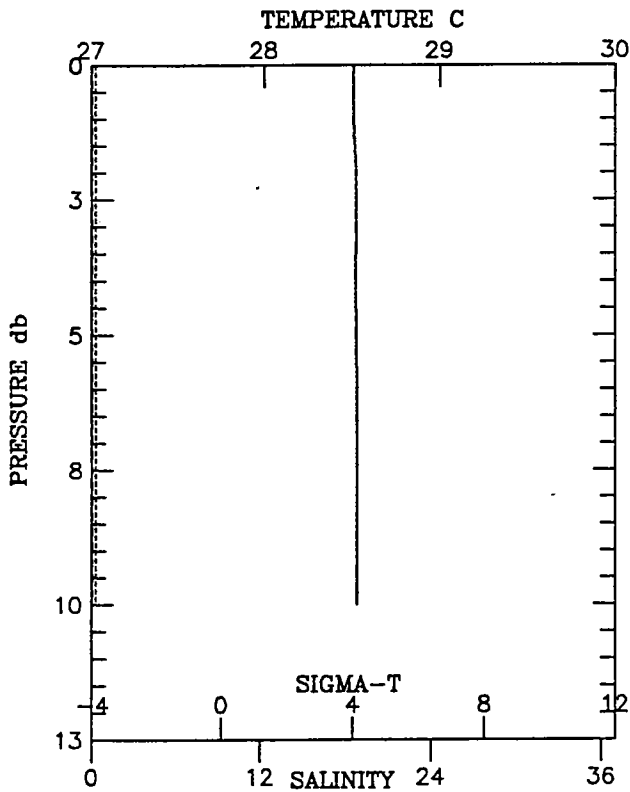
Cruise 19004 Leg 4 Station # 54.08 Depth m:13 Time: 1990-06-12 07:25
 Position: 1° 23.55'N 49° 23.91'W Depth Deck Offset: -0.08 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.487	0.068	-3.851	0.0000	6.782	0.0	3996.3
1.0		28.487	0.068	-3.851	0.0313	6.783	0.0	3996.3
2.0		28.489	0.068	-3.851	0.0625	6.647	0.0	4003.2
3.0		28.491	0.068	-3.852	0.0938	6.615	0.0	4019.7
4.0		28.504	0.068	-3.856	0.1250	6.682	0.0	4036.8
5.0		28.516	0.068	-3.859	0.1563	6.751	0.0	4030.4
6.0		28.531	0.068	-3.863	0.1876	6.608	0.0	3978.6
7.0		28.534	0.068	-3.864	0.2188	6.572	0.0	3936.0
8.0		28.536	0.068	-3.865	0.2501	6.559	0.0	3911.6
9.0		28.535	0.068	-3.865	0.2814	6.746	0.0	3891.1
10.0		28.539	0.068	-3.866	0.3126	6.623	0.0	3834.3



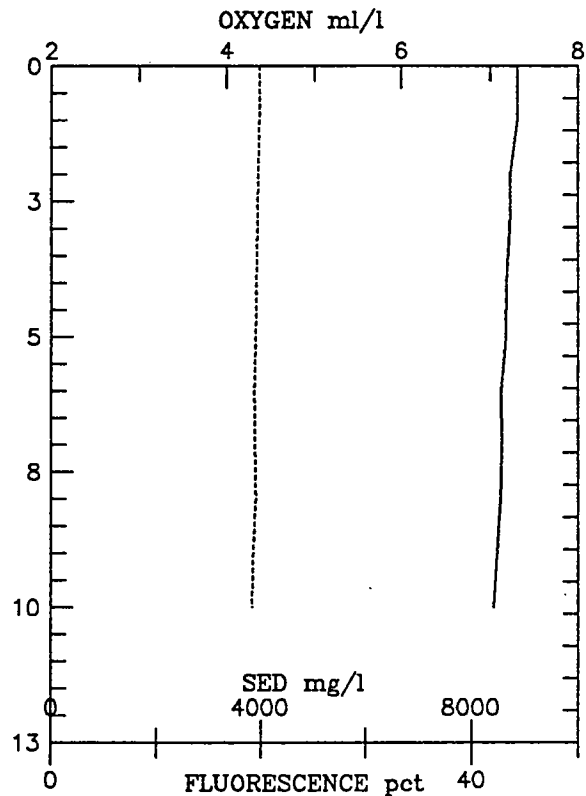
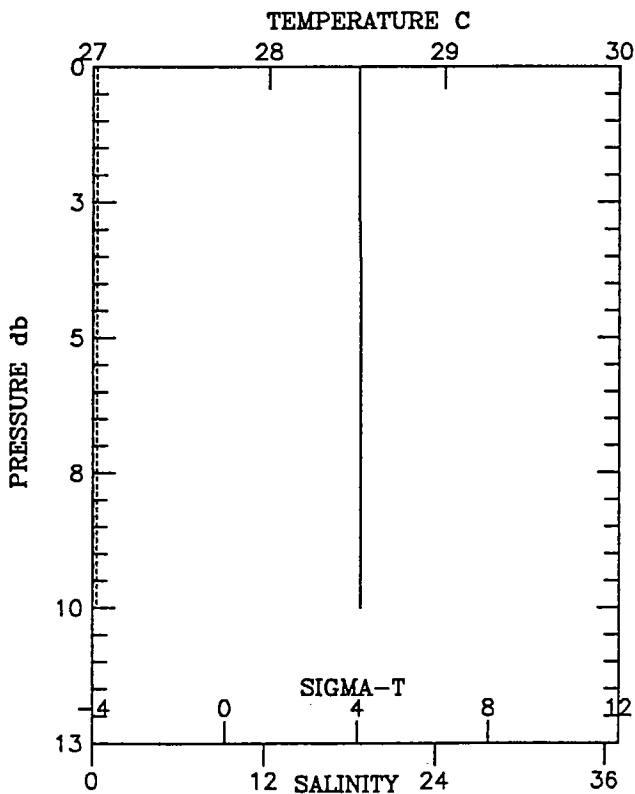
Cruise I9004 Leg 4 Station # 54.09 Depth m:13 Time: 1990-06-12 08:22
 Position: 1° 23.53'N 49° 23.91'W Depth Deck Offset: -0.03 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.506	0.071	-3.854	0.0000	7.152	0.0	3986.5
1.0		28.505	0.071	-3.854	0.0313	7.153	0.0	3986.5
2.0		28.519	0.071	-3.858	0.0625	7.062	0.0	4001.8
3.0		28.521	0.071	-3.858	0.0938	7.070	0.0	4005.0
4.0		28.518	0.071	-3.857	0.1250	7.006	0.0	4017.8
5.0		28.521	0.071	-3.858	0.1563	6.995	0.0	4016.5
6.0		28.524	0.071	-3.859	0.1876	6.978	0.0	3998.4
7.0		28.524	0.071	-3.859	0.2188	6.976	0.0	4001.8
8.0		28.526	0.071	-3.860	0.2501	6.934	0.0	3982.9
9.0		28.526	0.071	-3.860	0.2814	6.998	0.0	3953.8
10.0		28.527	0.071	-3.860	0.3126	6.929	0.0	3955.0



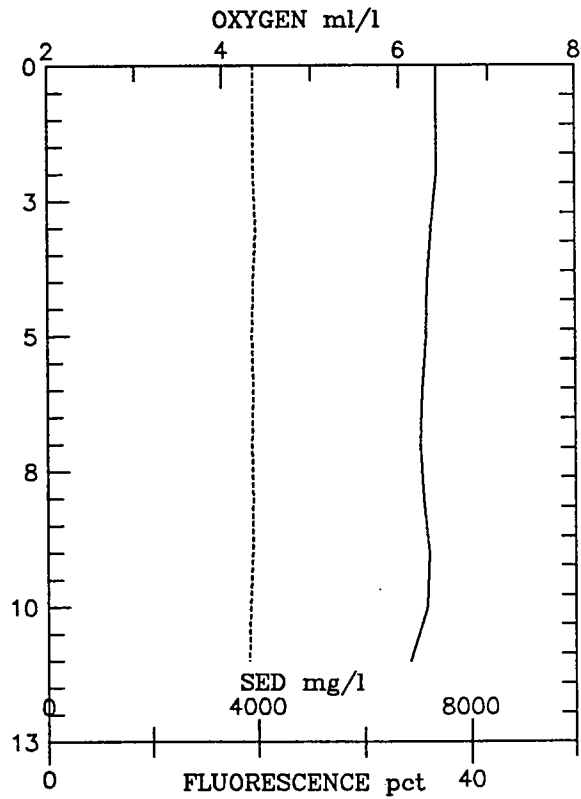
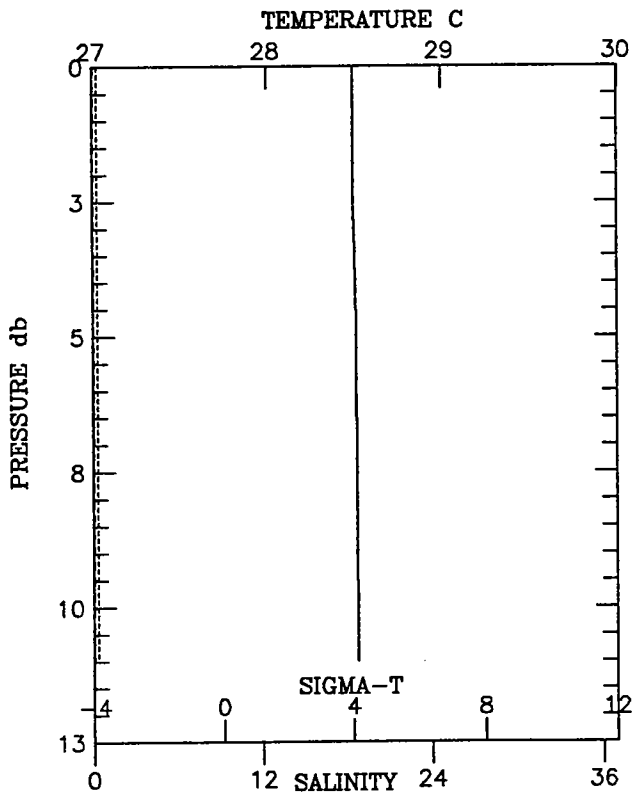
Cruise 19004 Leg 4 Station # 54.10 Depth m:13 Time: 1990-06-12 09:25
 Position: 1° 23.49'N 49° 23.84'W Depth Deck Offset: -0.10 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.510	0.067	-3.858	0.0000	7.309	0.0	3955.6
1.0		28.510	0.067	-3.858	0.0313	7.310	0.0	3955.6
2.0		28.512	0.067	-3.859	0.0625	7.226	0.0	3931.9
3.0		28.515	0.067	-3.860	0.0938	7.221	0.0	3922.9
4.0		28.517	0.067	-3.860	0.1251	7.186	0.0	3900.1
5.0		28.517	0.067	-3.860	0.1563	7.176	0.0	3890.7
6.0		28.517	0.067	-3.860	0.1876	7.127	0.0	3864.7
7.0		28.517	0.067	-3.860	0.2189	7.131	0.0	3878.8
8.0		28.517	0.067	-3.860	0.2501	7.118	0.0	3894.7
9.0		28.518	0.067	-3.861	0.2814	7.086	0.0	3846.8
10.0		28.518	0.067	-3.861	0.3127	7.047	0.0	3824.1



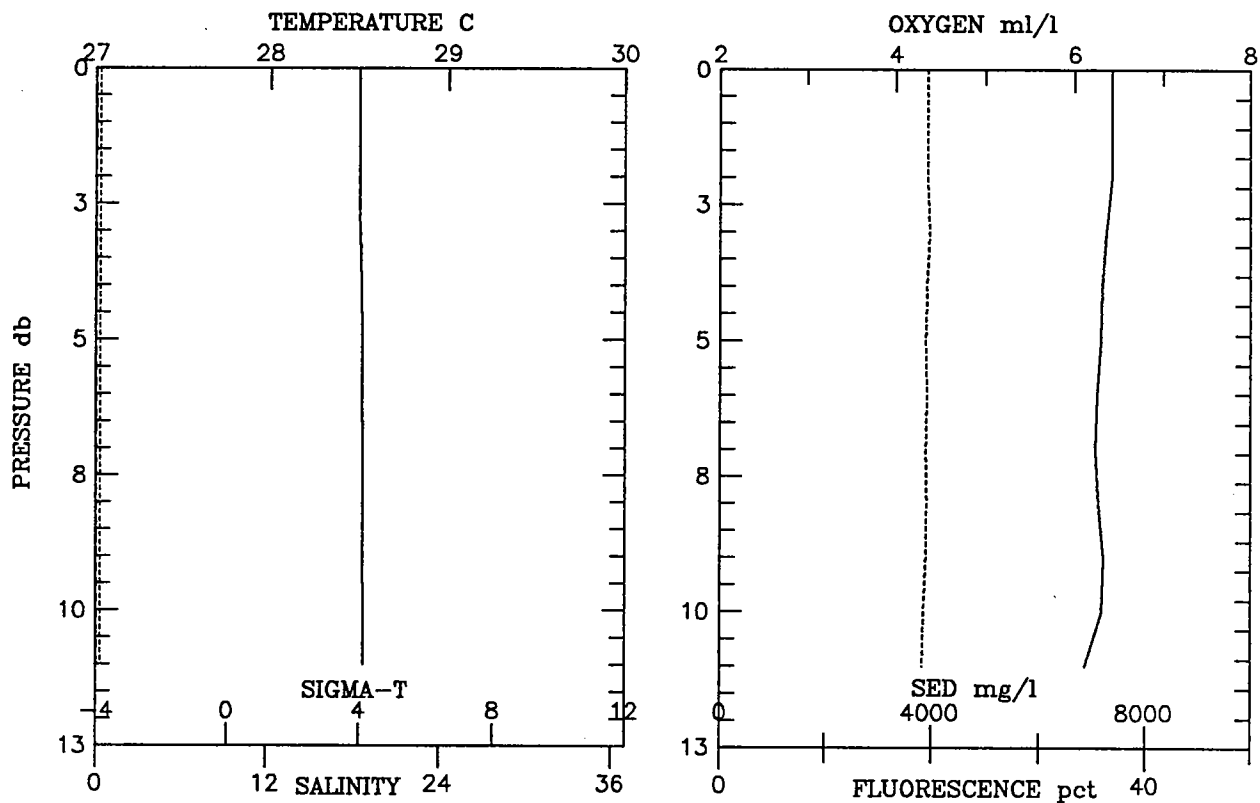
Cruise 19004 Leg 4 Station # 54.11 Depth m:13 Time: 1990-06-12 10:21
 Position: 1° 23.53'N 49° 23.90'W Depth Deck Offset: -0.10 Fish 3

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.503	0.066	-3.857	0.0000	6.421	0.0	3922.2
1.0	E	28.503	0.066	-3.857	0.0313	6.422	0.0	3922.2
2.0		28.502	0.066	-3.857	0.0625	6.423	0.0	3922.2
3.0		28.506	0.066	-3.858	0.0938	6.357	0.0	3962.0
4.0		28.514	0.066	-3.860	0.1251	6.314	0.0	3914.5
5.0		28.517	0.066	-3.861	0.1563	6.298	0.0	3890.4
6.0		28.519	0.066	-3.862	0.1876	6.253	0.0	3910.0
7.0		28.521	0.066	-3.862	0.2189	6.229	0.0	3889.8
8.0		28.523	0.066	-3.863	0.2501	6.268	0.0	3904.8
9.0		28.523	0.066	-3.863	0.2814	6.329	0.0	3895.6
10.0		28.524	0.066	-3.863	0.3127	6.305	0.0	3851.3
11.0		28.525	0.066	-3.863	0.3439	6.118	0.0	3826.7



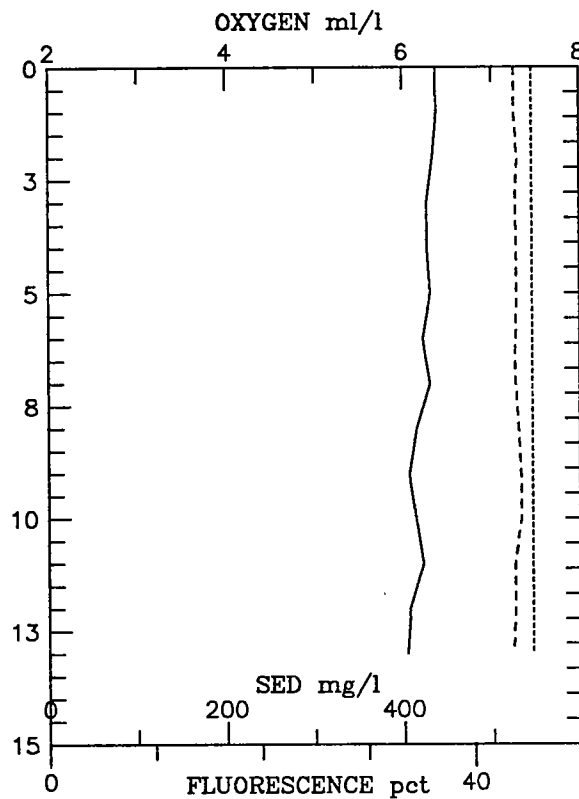
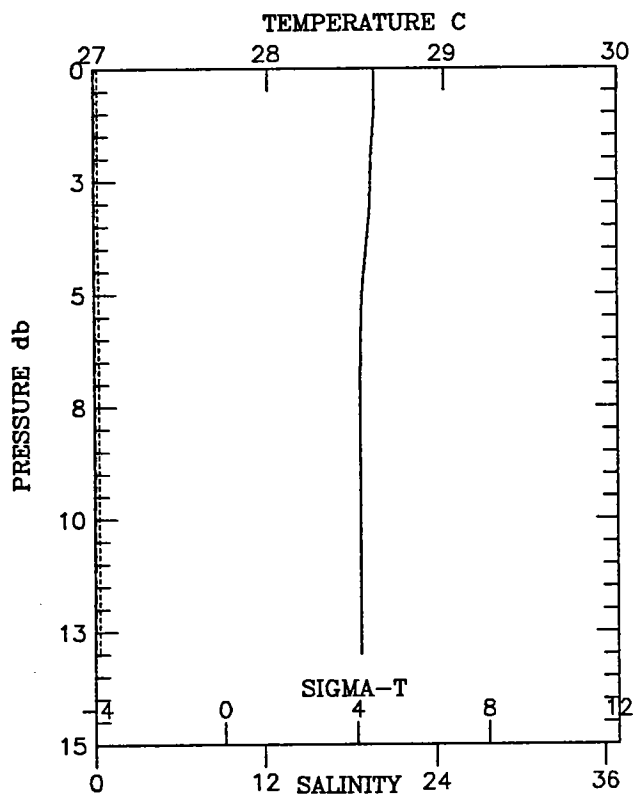
Cruise 19004 Leg 4 Station # 54.12 Depth m:14 Time: 1990-06-12 11:23
 Position: 1° 23.54'N 49° 23.97'W Depth Deck Offset: 0.03 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.544	0.066	-3.869	0.0000	7.515	44.9	545.5
1.0	E 28.543	0.066	-3.869	0.0313	7.516	44.9	545.5
2.0	28.543	0.066	-3.869	0.0625	7.517	44.9	545.5
3.0	28.541	0.066	-3.868	0.0938	7.112	44.6	545.5
4.0	28.536	0.066	-3.867	0.1251	7.101	44.2	545.5
5.0	28.534	0.066	-3.866	0.1564	7.082	44.5	545.5
6.0	28.534	0.066	-3.866	0.1876	7.086	44.4	545.5
7.0	28.534	0.066	-3.866	0.2189	6.954	44.4	545.5
8.0	28.535	0.066	-3.866	0.2502	7.028	44.6	545.5
9.0	28.535	0.066	-3.866	0.2815	7.030	44.9	545.5
10.0	28.535	0.066	-3.866	0.3127	7.001	44.8	545.5
11.0	28.535	0.066	-3.866	0.3440	6.852	44.6	545.5



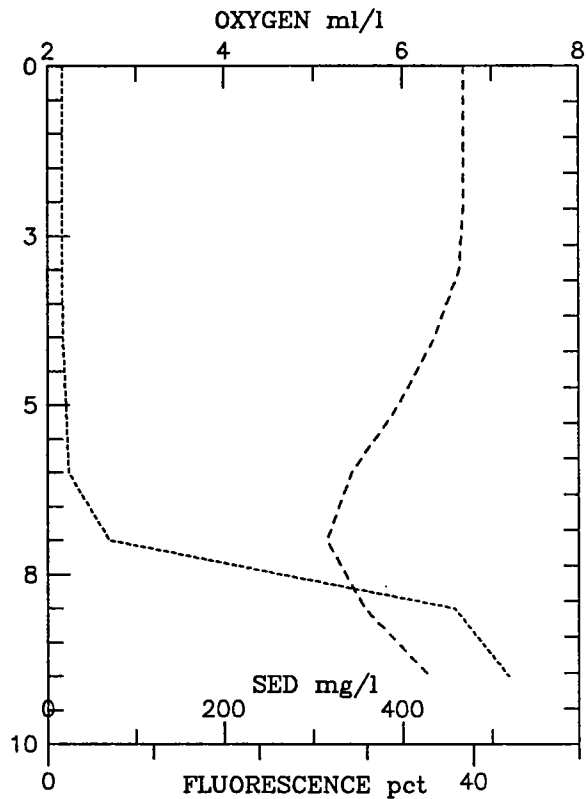
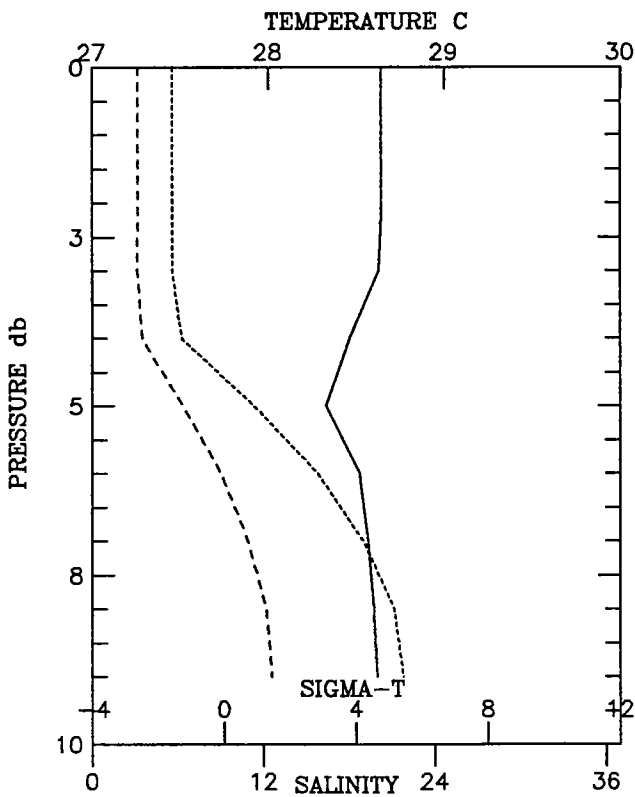
Cruise I9004 Leg 4 Station # 54.13 Depth m:14 Time: 1990-06-12 12:25
 Position: 1° 23.50'N 49° 23.98'W Depth Deck Offset: 0.03 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.605	0.068	-3.885	0.0000	6.379	43.8	545.5
1.0		28.605	0.068	-3.885	0.0313	6.380	43.8	545.5
2.0		28.587	0.068	-3.880	0.0626	6.342	44.1	545.5
3.0		28.580	0.068	-3.878	0.0939	6.277	43.9	545.5
4.0		28.556	0.068	-3.871	0.1251	6.271	44.0	545.5
5.0		28.534	0.068	-3.864	0.1564	6.310	44.0	545.5
6.0		28.527	0.068	-3.862	0.1877	6.225	43.9	545.5
7.0		28.523	0.069	-3.860	0.2190	6.303	43.9	545.5
8.0		28.521	0.069	-3.860	0.2502	6.152	44.2	545.5
9.0		28.521	0.069	-3.860	0.2815	6.070	44.4	545.5
10.0		28.520	0.069	-3.860	0.3128	6.143	44.4	545.5
11.0		28.522	0.069	-3.860	0.3440	6.225	43.8	545.5
12.0		28.522	0.069	-3.860	0.3753	6.074	43.8	545.5
13.0		28.522	0.069	-3.860	0.4066	6.046	43.6	545.5



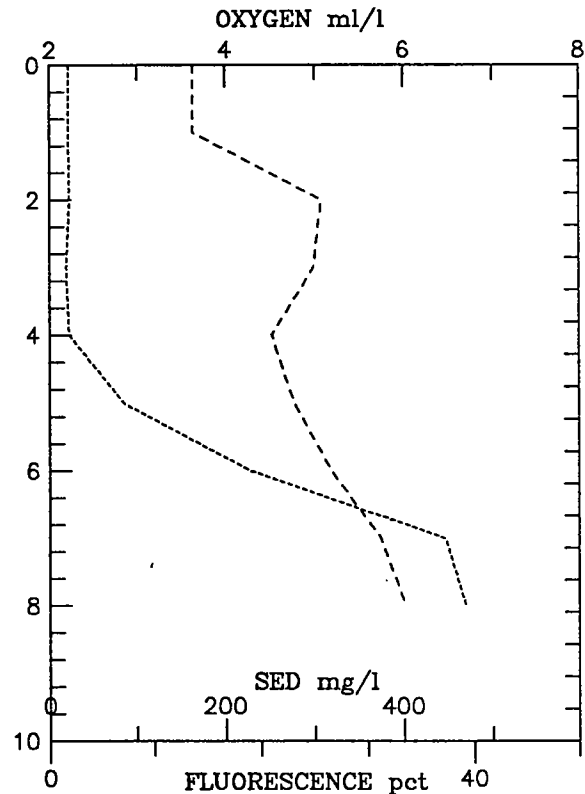
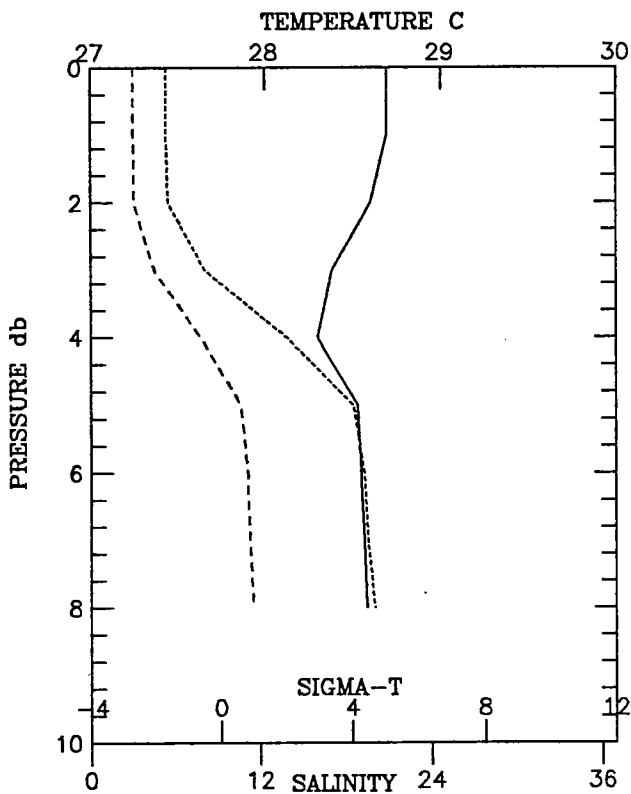
Cruise I9004 Leg 4 Station # 55.01 Depth m:12 Time: 1990-06-12 15:34
 Position: 1° 42.42'N 49° 10.77'W Depth Deck Offset: 0.15 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.641	3.169	-1.575	0.0000	0.000	39.1	16.3
1.0	E	28.641	3.169	-1.575	0.0290	0.000	39.1	16.3
2.0		28.641	3.169	-1.575	0.0580	0.000	39.1	16.3
3.0		28.626	3.166	-1.573	0.0869	0.000	38.7	16.3
4.0		28.463	3.485	-1.287	0.1158	0.000	36.4	17.0
5.0		28.329	6.379	0.910	0.1433	0.000	33.0	20.5
6.0		28.519	9.040	2.835	0.1689	0.000	28.6	23.5
7.0		28.570	10.919	4.219	0.1928	0.000	26.3	69.7
8.0		28.603	12.189	5.154	0.2155	0.000	29.8	458.2
9.0		28.620	12.575	5.436	0.2376	0.000	35.9	519.0



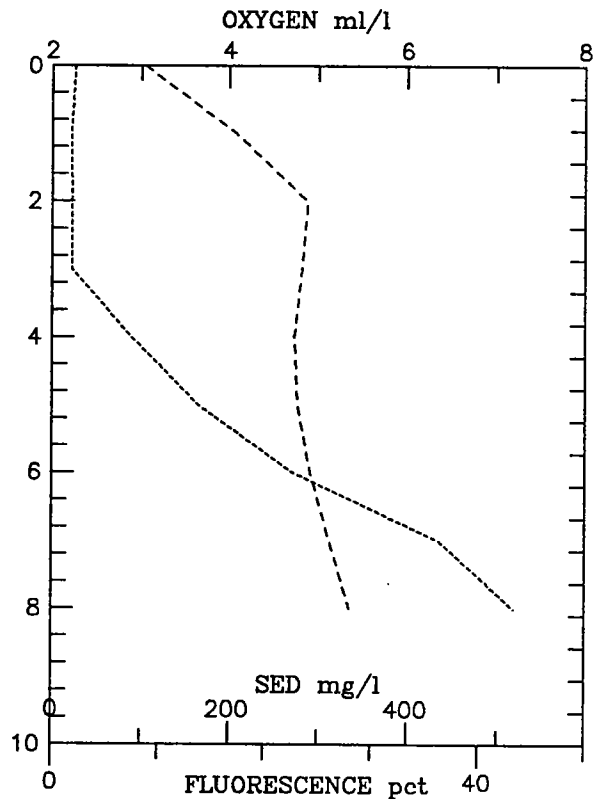
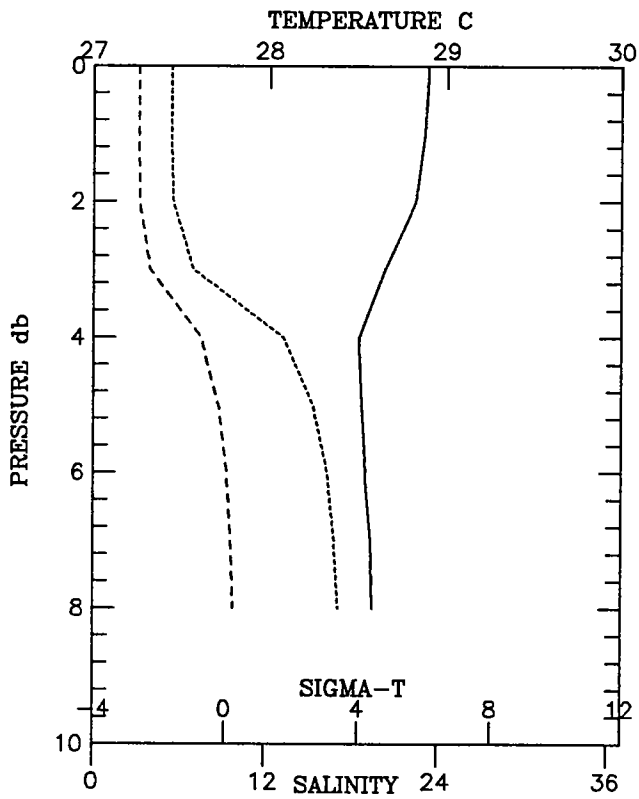
Cruise I9004 Leg 4 Station # 55.02 Depth m: Time: 1990-06-12 16:38
 Position: 1° 39.54'N 49° 11.61'W Depth Deck Offset: 0.15 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.697	3.068	-1.667	0.0000	0.000	13.6	21.6
1.0		28.697	3.068	-1.667	0.0300	0.000	13.6	21.6
2.0		28.605	3.116	-1.604	0.0590	0.000	25.6	22.4
3.0		28.385	4.530	-0.485	0.0874	0.000	24.9	18.8
4.0		28.305	7.829	1.997	0.1141	0.000	21.0	22.1
5.0		28.532	10.668	4.043	0.1385	0.000	23.1	85.5
6.0		28.549	11.110	4.367	0.1617	0.000	26.6	228.0
7.0		28.568	11.264	4.476	0.1847	0.000	31.2	446.9
8.0		28.584	11.532	4.671	0.2075	0.000	33.5	469.7



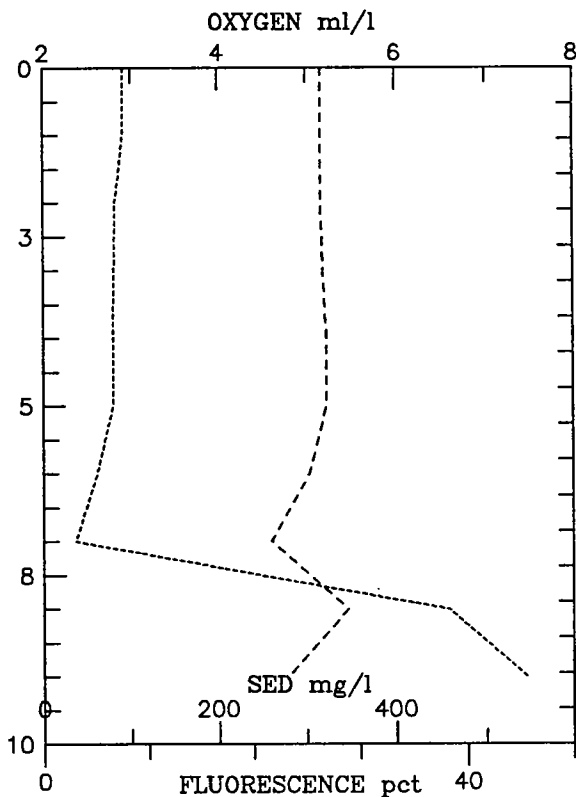
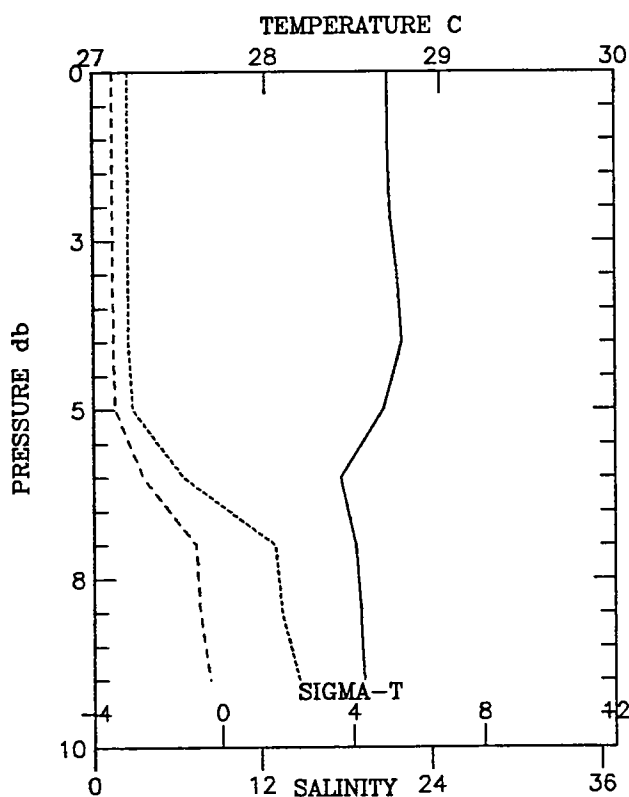
Cruise 19004 Leg 4 Station # 55.03 Depth m:10 Time: 1990-06-12 17:36
 Position: 1° 39.54'N 49° 11.61'W Depth Deck Offset: 0.15 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	28.894	3.190	-1.633	0.0000	0.000	8.7	25.6
1.0	28.876	3.186	-1.631	0.0290	0.000	17.3	21.4
2.0	28.824	3.232	-1.582	0.0580	0.000	24.0	22.2
3.0	28.652	4.002	-0.957	0.0867	0.000	23.5	22.2
4.0	28.505	7.575	1.749	0.1137	0.000	22.8	89.7
5.0	28.521	8.782	2.643	0.1389	6.779	23.1	164.9
6.0	28.544	9.381	3.082	0.1635	0.000	24.3	271.5
7.0	28.571	9.669	3.288	0.1877	0.000	26.1	435.9
8.0	28.583	9.843	3.414	0.2118	0.000	28.0	519.0



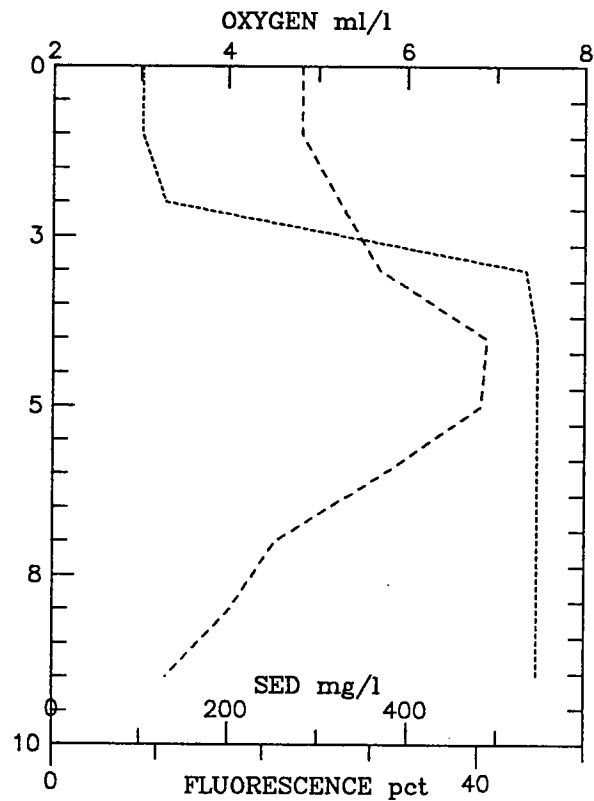
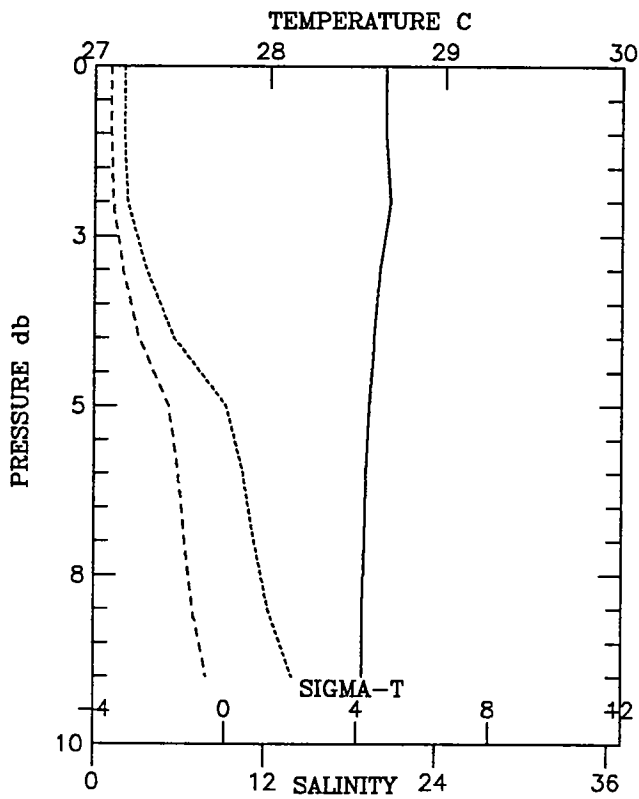
Cruise I9004 Leg 4 Station # 55.04 Depth m:10 Time: 1990-06-12 18:40
 Position: 1° 40.36'N 49° 11.36'W Depth Deck Offset: 0.30 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.703	1.444	-2.882	0.0000	0.000	26.4	91.2
1.0	28.703	1.444	-2.882	0.0303	0.000	26.4	91.2
2.0	28.715	1.455	-2.877	0.0606	0.000	26.4	82.0
3.0	28.755	1.456	-2.888	0.0909	0.000	26.6	80.6
4.0	28.780	1.464	-2.889	0.1212	0.000	26.9	79.5
5.0	28.676	1.602	-2.755	0.1514	0.000	26.9	79.5
6.0	28.430	3.625	-1.172	0.1807	0.000	25.3	60.7
7.0	28.513	7.398	1.615	0.2079	0.000	21.7	36.3
8.0	28.542	7.684	1.819	0.2336	0.000	28.9	458.2
9.0	28.563	8.393	2.340	0.2589	0.000	23.3	545.5



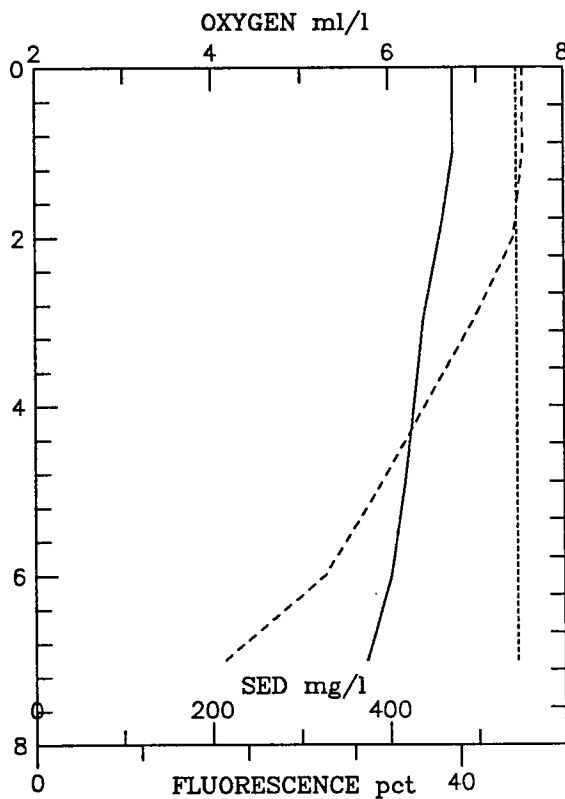
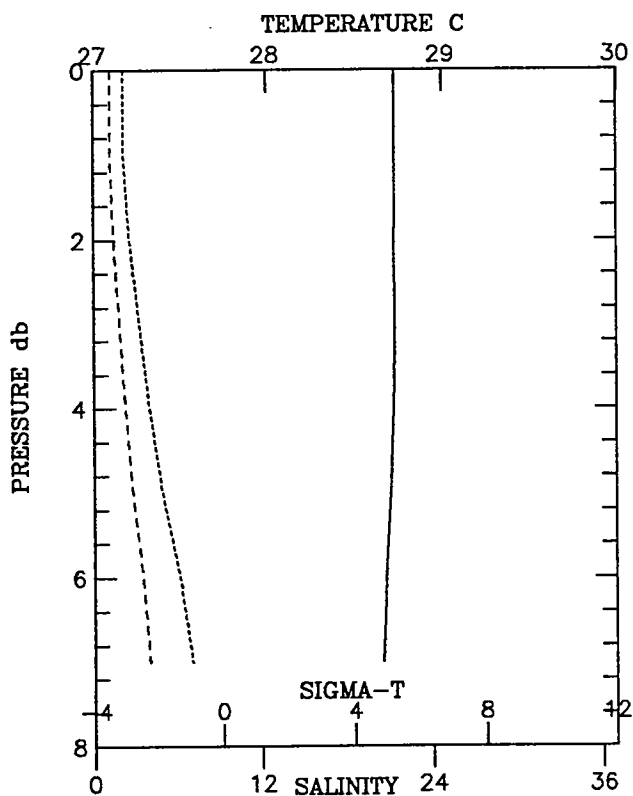
Cruise 19004 Leg 4 Station # 55.05 Depth m:10 Time: 1990-06-12 19:32
 Position: 1° 41.50'N 49° 10.30'W Depth Deck Offset: 0.30 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.659	1.147	-3.092	0.0000	0.000	23.5	102.4
1.0		28.659	1.147	-3.092	0.0308	0.000	23.5	102.4
2.0		28.684	1.291	-2.991	0.0612	0.000	27.0	128.6
3.0		28.627	2.050	-2.406	0.0913	0.000	30.8	532.1
4.0		28.594	3.171	-1.560	0.1207	0.000	40.8	545.5
5.0		28.568	5.290	0.028	0.1489	0.000	40.2	545.5
6.0		28.551	5.970	0.540	0.1760	0.000	31.1	545.5
7.0		28.541	6.421	0.878	0.2027	0.000	21.1	545.5
8.0		28.531	6.989	1.305	0.2290	0.000	16.9	545.5
9.0		28.531	7.960	2.028	0.2547	0.000	10.8	545.5



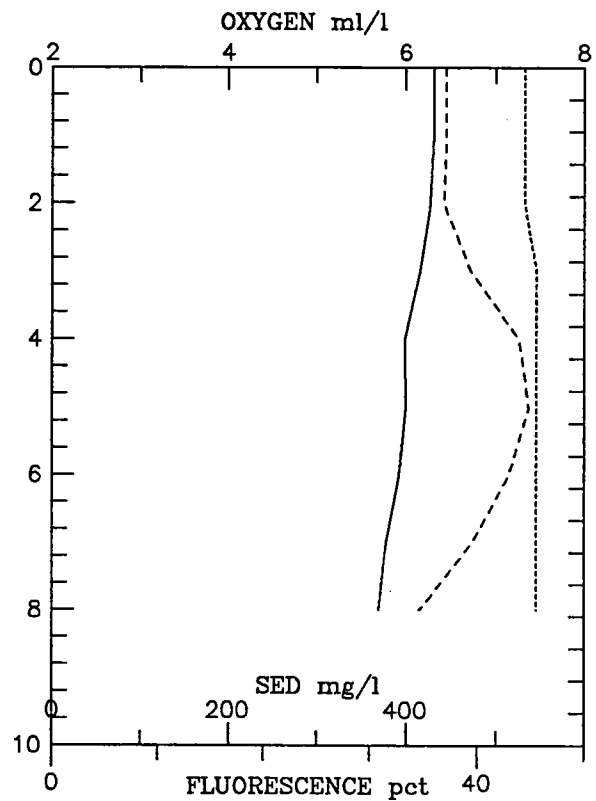
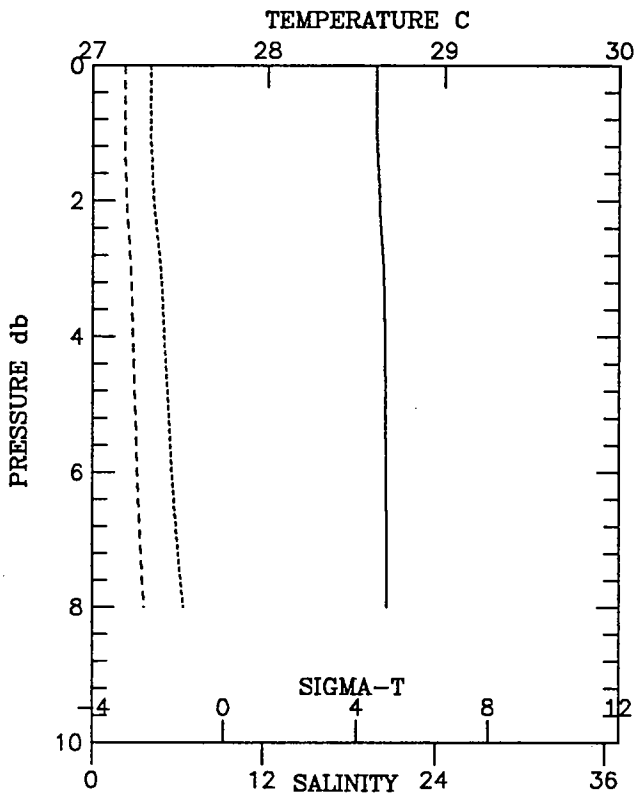
Cruise I9004 Leg 4 Station # 55.06 Depth m:9.5 Time: 1990-06-12 20:36
 Position: 1° 41.62'N 49° 10.13'W Depth Deck Offset: 0.15 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.732	1.218	-3.060	0.0000	6.731	46.1	545.5
1.0		28.732	1.218	-3.060	0.0305	6.732	46.1	545.5
2.0		28.729	1.464	-2.874	0.0608	6.572	45.2	545.5
3.0		28.732	1.856	-2.583	0.0910	6.388	41.3	545.5
4.0		28.724	2.265	-2.274	0.1208	6.284	36.7	545.5
5.0		28.706	2.795	-1.873	0.1503	6.162	32.2	545.5
6.0		28.680	3.513	-1.330	0.1793	6.017	27.2	545.5
7.0		28.662	4.007	-0.956	0.2078	5.746	17.8	545.5



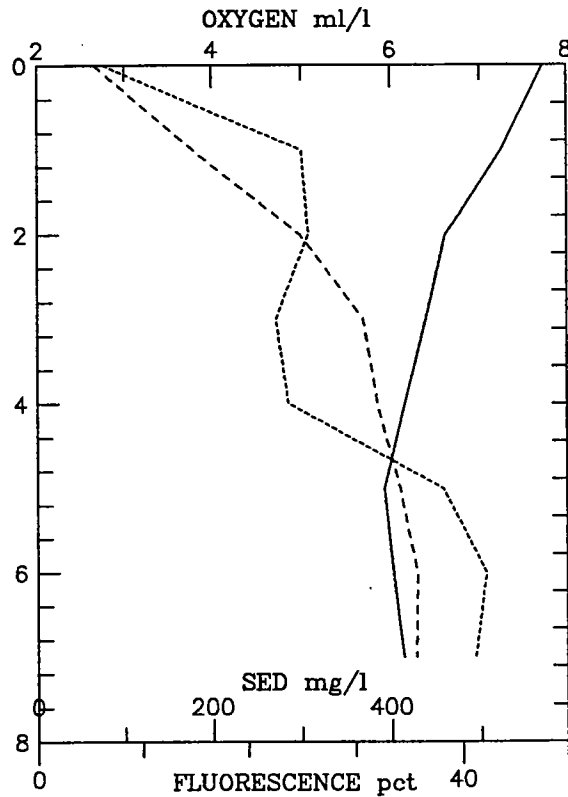
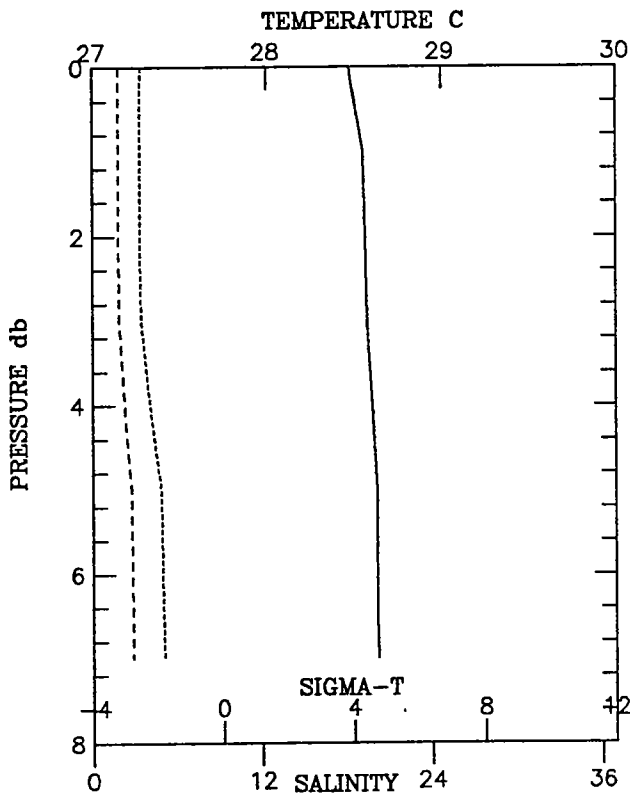
Cruise 19004 Leg 4 Station # 55.07 Depth m:10 Time: 1990-06-12 21:33
 Position: 1° 41.65'N 49° 10.18'W Depth Deck Offset: -0.08 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.611	2.269	-2.239	0.0000	6.311	37.1	532.1
1.0		28.611	2.269	-2.238	0.0296	6.311	37.1	532.1
2.0		28.631	2.403	-2.144	0.0592	6.273	36.9	532.1
3.0		28.652	2.706	-1.924	0.0887	6.157	39.4	545.5
4.0		28.659	2.853	-1.816	0.1179	5.991	43.9	545.5
5.0		28.664	3.026	-1.688	0.1471	6.000	44.8	545.5
6.0		28.666	3.166	-1.585	0.1761	5.928	42.9	545.5
7.0		28.669	3.387	-1.421	0.2050	5.780	39.5	545.5
8.0		28.669	3.650	-1.224	0.2338	5.698	34.6	545.5



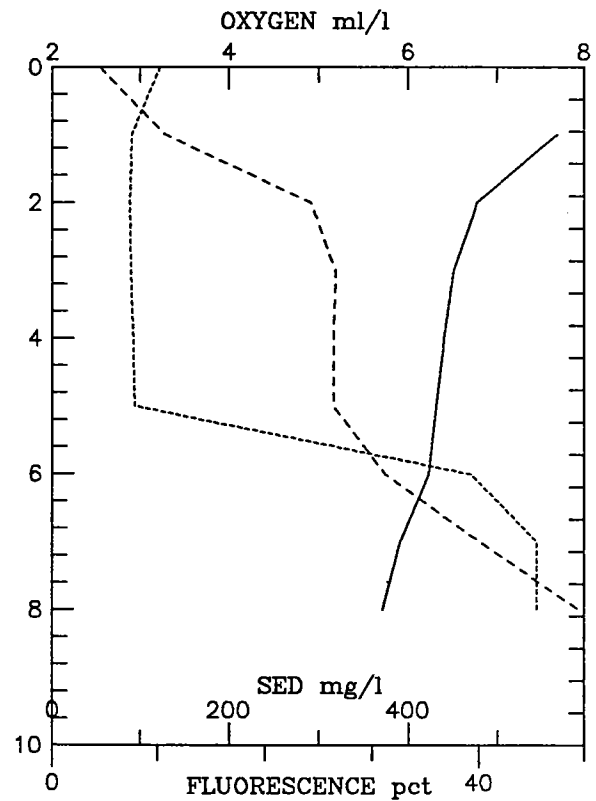
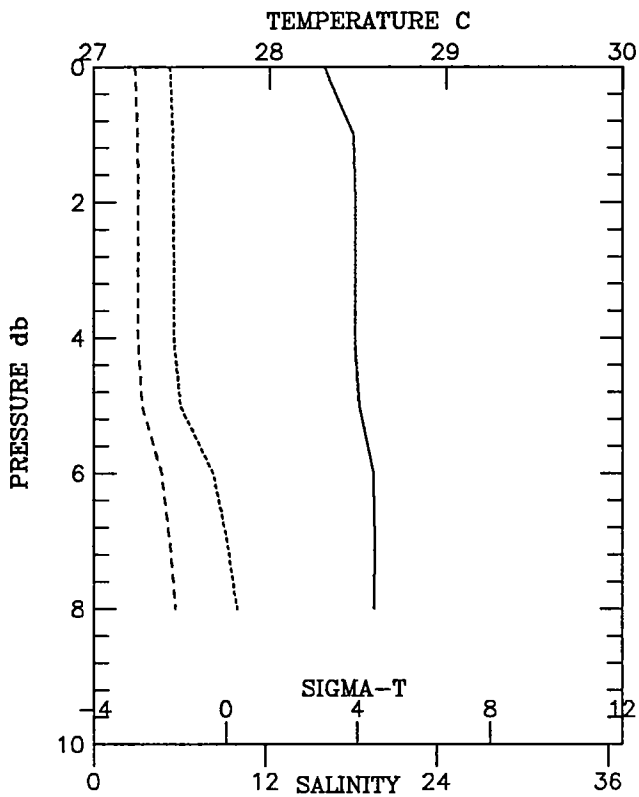
Cruise 19004 Leg 4 Station # 55.08 Depth m:10 Time: 1990-06-12 22:30
 Position: 1° 41.68'N 49° 10.18'W Depth Deck Offset: 0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	28.476	1.830	-2.527	0.0000	7.732	5.5	76.2
1.0	28.552	1.826	-2.552	0.0299	7.250	14.9	300.0
2.0	28.566	1.838	-2.547	0.0599	6.617	24.9	307.5
3.0	28.575	1.896	-2.506	0.0898	6.400	30.8	271.5
4.0	28.603	2.260	-2.243	0.1196	6.158	32.1	285.4
5.0	28.628	2.725	-1.903	0.1491	5.926	34.2	458.2
6.0	28.628	2.785	-1.858	0.1784	6.027	35.8	506.2
7.0	28.636	2.850	-1.811	0.2076	6.140	35.7	493.7



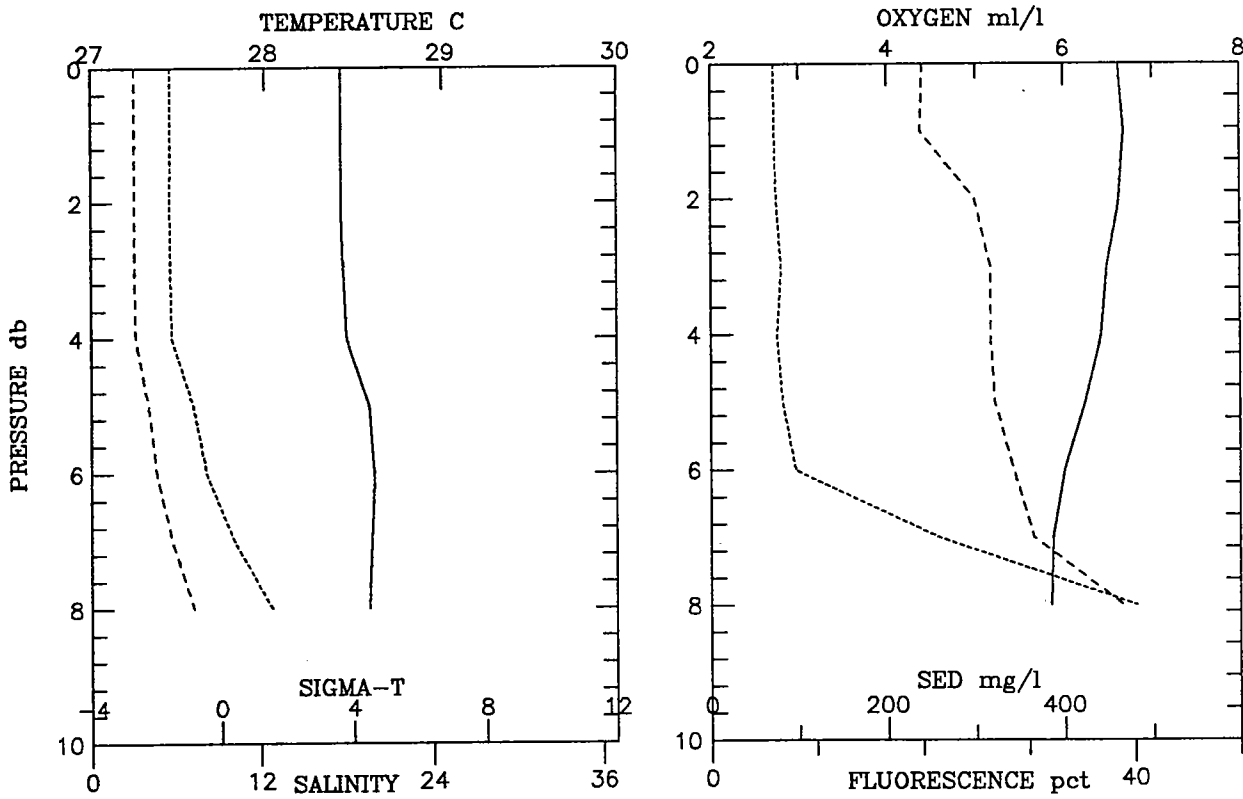
Cruise 19004 Leg 4 Station # 55.09 Depth m:10 Time: 1990-06-12 23:36
 Position: 1° 41.56'N 49° 10.22'W Depth Deck Offset: 0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	28.316	2.897	-1.683	0.0000	8.019	4.5	122.3
1.0	28.476	3.057	-1.610	0.0290	7.690	10.7	90.4
2.0	28.489	3.094	-1.587	0.0580	6.775	24.3	88.5
3.0	28.487	3.102	-1.580	0.0870	6.519	26.6	89.7
4.0	28.487	3.101	-1.581	0.1160	6.410	26.4	92.4
5.0	28.509	3.385	-1.375	0.1449	6.317	26.4	94.0
6.0	28.592	4.755	-0.378	0.1732	6.228	31.2	469.7
7.0	28.597	5.320	0.042	0.2007	5.910	40.1	545.5
8.0	28.593	5.709	0.333	0.2279	5.714	49.5	545.5



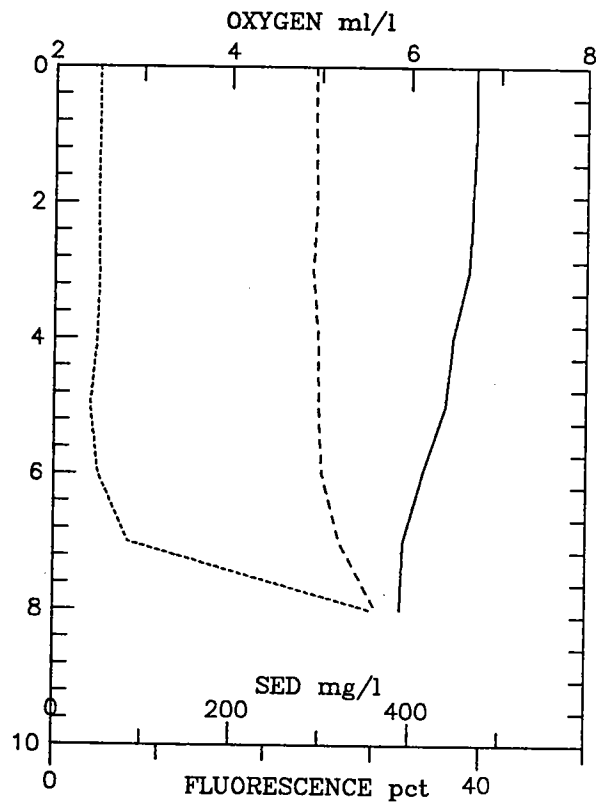
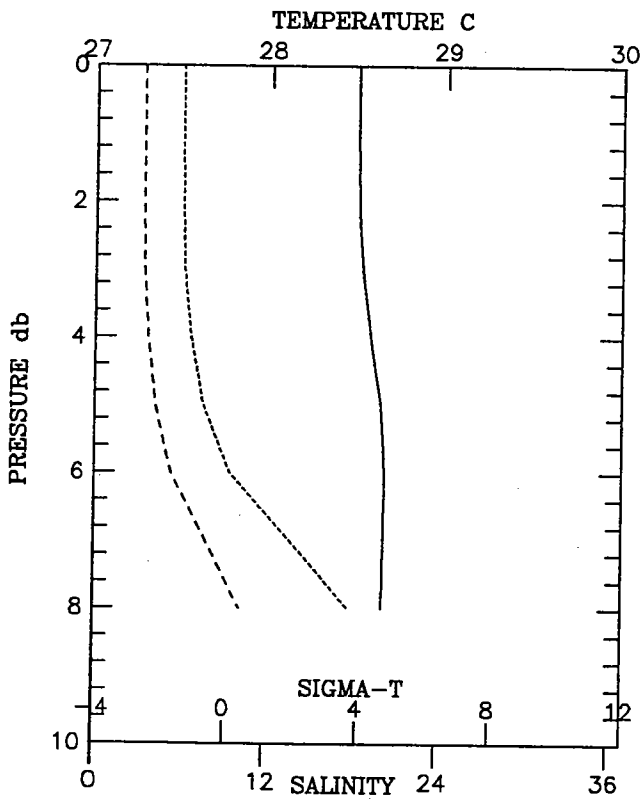
Cruise 19004 Leg 4 Station # 55.10 Depth m:11 Time: 1990-06-13 00:33
 Position: 1° 41.56'N 49° 10.25'W Depth Deck Offset: 0.05 Fish 2

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/l)
0.0	28.434	3.143	-1.534	0.0000	6.626	20.0	71.5
1.0	28.432	3.137	-1.538	0.0289	6.685	19.8	72.4
2.0	28.436	3.130	-1.544	0.0579	6.626	24.9	74.3
3.0	28.445	3.144	-1.536	0.0868	6.484	26.4	79.9
4.0	28.462	3.214	-1.489	0.1157	6.418	26.4	75.2
5.0	28.585	4.131	-0.841	0.1443	6.238	26.8	81.3
6.0	28.617	4.689	-0.434	0.1723	6.003	28.6	96.4
7.0	28.602	5.805	0.402	0.1998	5.872	30.5	258.3
8.0	28.588	7.326	1.539	0.2262	5.853	38.9	481.6



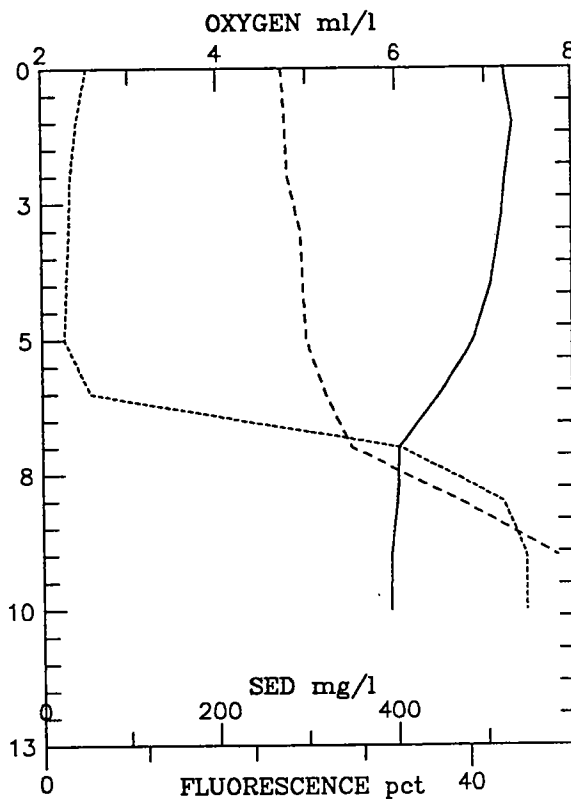
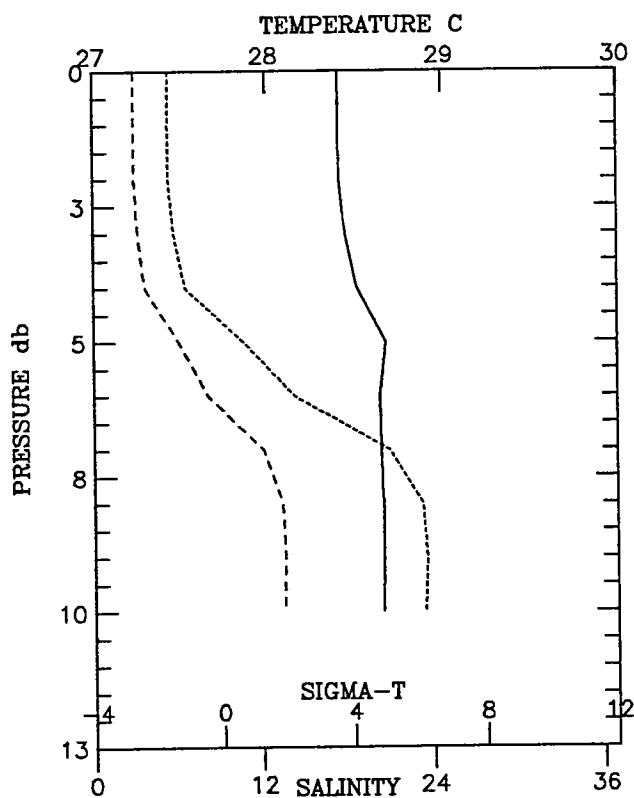
Cruise I9004 Leg 4 Station # 55.11 Depth m:11 Time: 1990-06-13 01:33
 Position: 1° 41.58'N 49° 10.26'W Depth Deck Offset: 0.05 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/L)	FLUORES (%)	SED CONC (mg/L)
0.0	E	28.493	3.439	-1.330	0.0000	6.725	24.5	49.5
1.0		28.493	3.439	-1.330	0.0287	6.726	24.5	49.5
2.0		28.499	3.452	-1.322	0.0575	6.692	24.6	48.8
3.0		28.520	3.531	-1.269	0.0862	6.654	24.3	50.3
4.0		28.567	3.836	-1.055	0.1147	6.476	24.8	48.0
5.0		28.630	4.380	-0.669	0.1430	6.396	24.9	40.8
6.0		28.653	5.473	0.139	0.1706	6.140	25.2	49.7
7.0		28.647	7.923	1.966	0.1970	5.937	26.9	84.8
8.0		28.639	10.306	3.741	0.2216	5.904	30.3	357.1



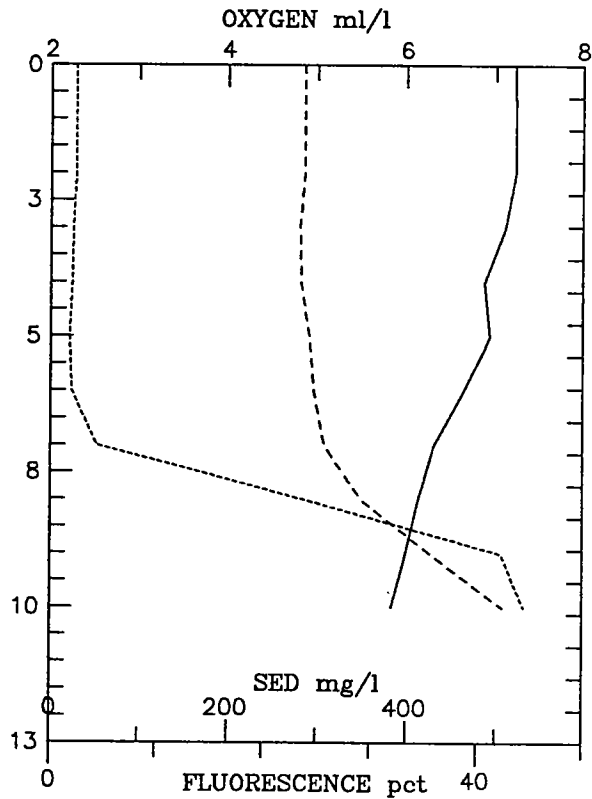
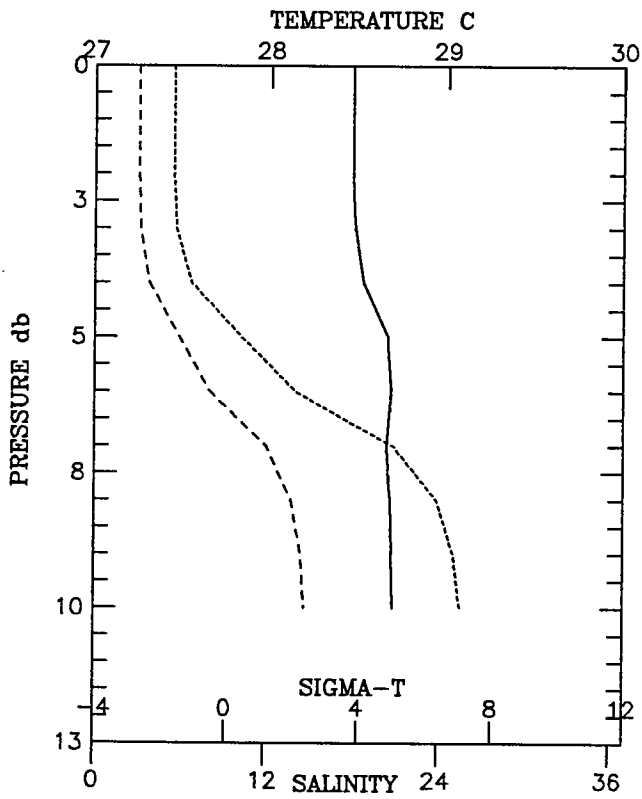
Cruise I9004 Leg 4 Station # 55.12 Depth m:12 Time: 1990-06-13 02:31
 Position: 1° 41.57'N 49° 10.26'W Depth Deck Offset: 0.12 Fish 2

PRESSURE (d-bars)	Interp (deg C)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0		28.419	2.988	-1.645	0.0000	7.230	22.8	52.1
1.0		28.420	2.970	-1.659	0.0291	7.320	23.1	40.3
2.0		28.422	2.987	-1.647	0.0581	7.238	23.3	32.9
3.0		28.457	3.218	-1.485	0.0871	7.160	24.5	31.2
4.0		28.521	3.718	-1.130	0.1158	7.060	24.7	28.0
5.0		28.682	6.165	0.646	0.1434	6.865	25.0	25.7
6.0		28.650	8.229	2.192	0.1694	6.486	26.7	55.3
7.0		28.657	12.105	5.075	0.1932	6.028	29.1	404.5
8.0		28.667	13.440	6.066	0.2151	6.005	39.3	519.0
9.0		28.666	13.607	6.190	0.2364	5.929	48.5	545.5
10.0		28.664	13.519	6.126	0.2577	5.927	52.6	545.5



Cruise 19004 Leg 4 Station # 55.13 Depth m:12 Time: 1990-06-13 03:30
 Position: 1° 42.29'N 49° 10.53'W Depth Deck Offset: 0.12 Fish 2

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.465	3.033	-1.625	0.0000	7.224	23.8	28.2
1.0	E	28.465	3.033	-1.625	0.0290	7.225	23.8	28.2
2.0		28.465	3.033	-1.625	0.0581	7.226	23.8	28.2
3.0		28.482	3.146	-1.546	0.0870	7.111	23.4	25.0
4.0		28.530	3.805	-1.068	0.1157	6.880	23.5	24.2
5.0		28.667	5.939	0.482	0.1434	6.937	24.3	21.1
6.0		28.686	8.131	2.109	0.1695	6.644	24.7	23.9
7.0		28.660	12.061	5.042	0.1934	6.313	25.7	52.5
8.0		28.681	13.825	6.348	0.2151	6.138	29.1	285.4
9.0		28.690	14.503	6.850	0.2360	5.996	35.6	506.2
10.0		28.694	14.783	7.058	0.2565	5.841	42.4	532.1



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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 I9004 May 23-June 13, 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 extend 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 third AMASSEDS cruise (I9004) on the R/V <i>Iselin</i> .			
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