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NUTRIENT ENHANCED COASTAL OCEAN PRODUCTIVITY (NECOP): CTD OBSERVATIONS FROM R/V *LONGHORN* CRUISE JULY 1-12, 1993

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TABLE OF CONTENTS

FIGURES

NUTRIENT ENHANCED COASTAL OCEAN PRODUCTIVITY (NECOP): CTD OBSERVATIONS FROM R/V *LONGHORN* CRUISE JULY 1-12, 1993[1]

Dale Y. Dong, Alan W. Bratkovich, and Scott P. Dinnel[2]

ABSTRACT. As part of NOAA's Nutrient Enhanced Coastal Ocean Productivity (NECOP) program, scientists working on the University of Texas R/V *LONGHORN* surveyed shelf waters of the Gulf of Mexico from Port Aransas, Texas to east of the Mississippi River delta. The study began July 1 and ended July 12, 1993. Using the onboard CTD (conductivity, temperature, and depth) sampling system, vertical water profiles were obtained for temperature, salinity, density, light transmission (beam c), oxygen, and fluorescence. This technical memorandum describes the data and the methods used for data collection and processing.

1. CRUISE OVERVIEW

The July 1-12 cruise on the R/V *LONGHORN* in 1993, with Alan Bratkovich as chief scientist, was part of the fourth year of field work for the NECOP program. The goal of the cruise was to obtain near-synoptic water property data in order to describe the physical and biochemical status of the waters directly influenced by riverine fluxes. Over 100 stations were occupied, spaced 30 minutes apart longitudinally and 10 minutes apart latitudinally, in a region from Port Aransas to the Mississippi River delta (Figure 1). Additional stations near the Mississippi River delta, more closely spaced, were also occupied (Figures 1 and 2). CTD measurements were taken at each station.

2. THE CTD SYSTEM

The R/V *LONGHORN*'s CTD system included a Sea-Bird Electronics 911 Plus CTD system, an IBM PC/compatible computer with Sea-Bird software, a conductive interface cable, and a slip-ring winch. In addition to the CTD's sensors for conductivity, temperature, and pressure, three auxiliary sensors were used: a Beckman oxygen sensor, a Sea Tech transmissometer (wavelength of 660 nm, path length of 25 cm), and a Sea Tech fluorometer (excitation wavelength of 425 nm, emission wavelength 685 nm). The R/V *LONGHORN*'s CTD system also included a General Oceans water bottle rosette.

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NECOP 1993: R/V LONGHORN, JULY 1-12

CTD SAMPLE STATIONS

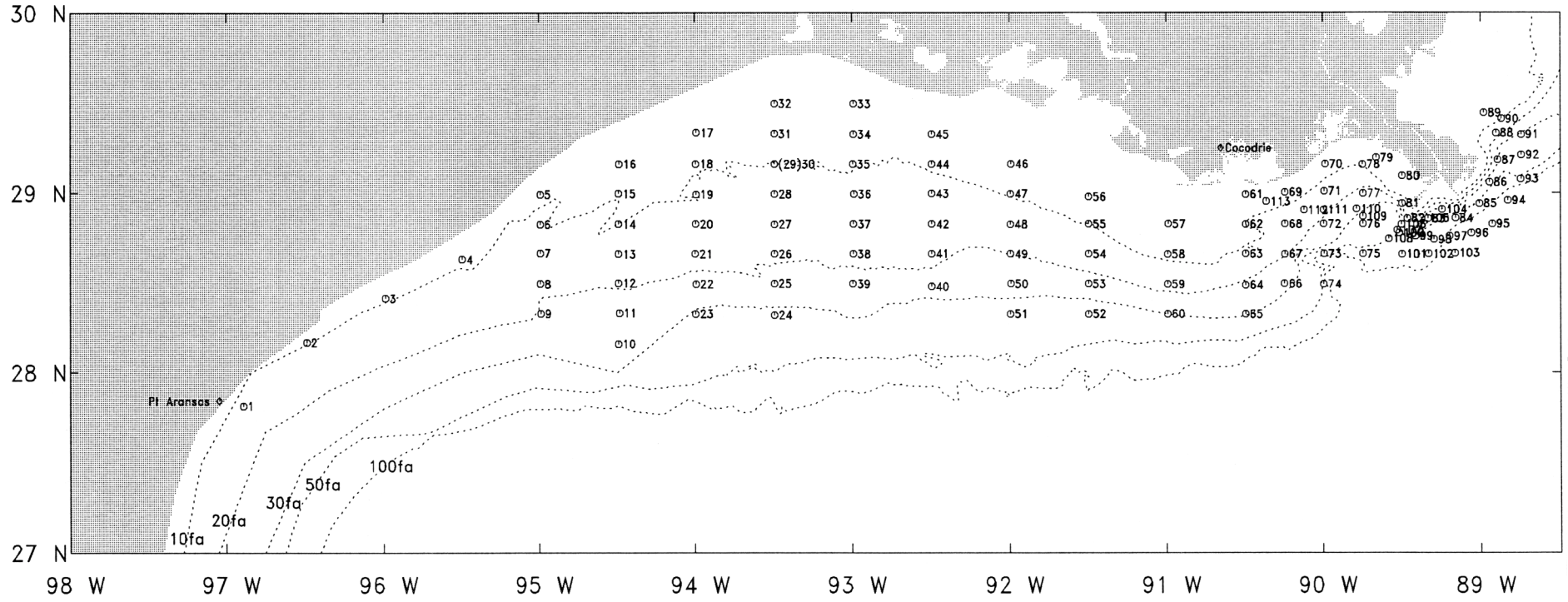

Figure 1. Map of study region showing station locations.

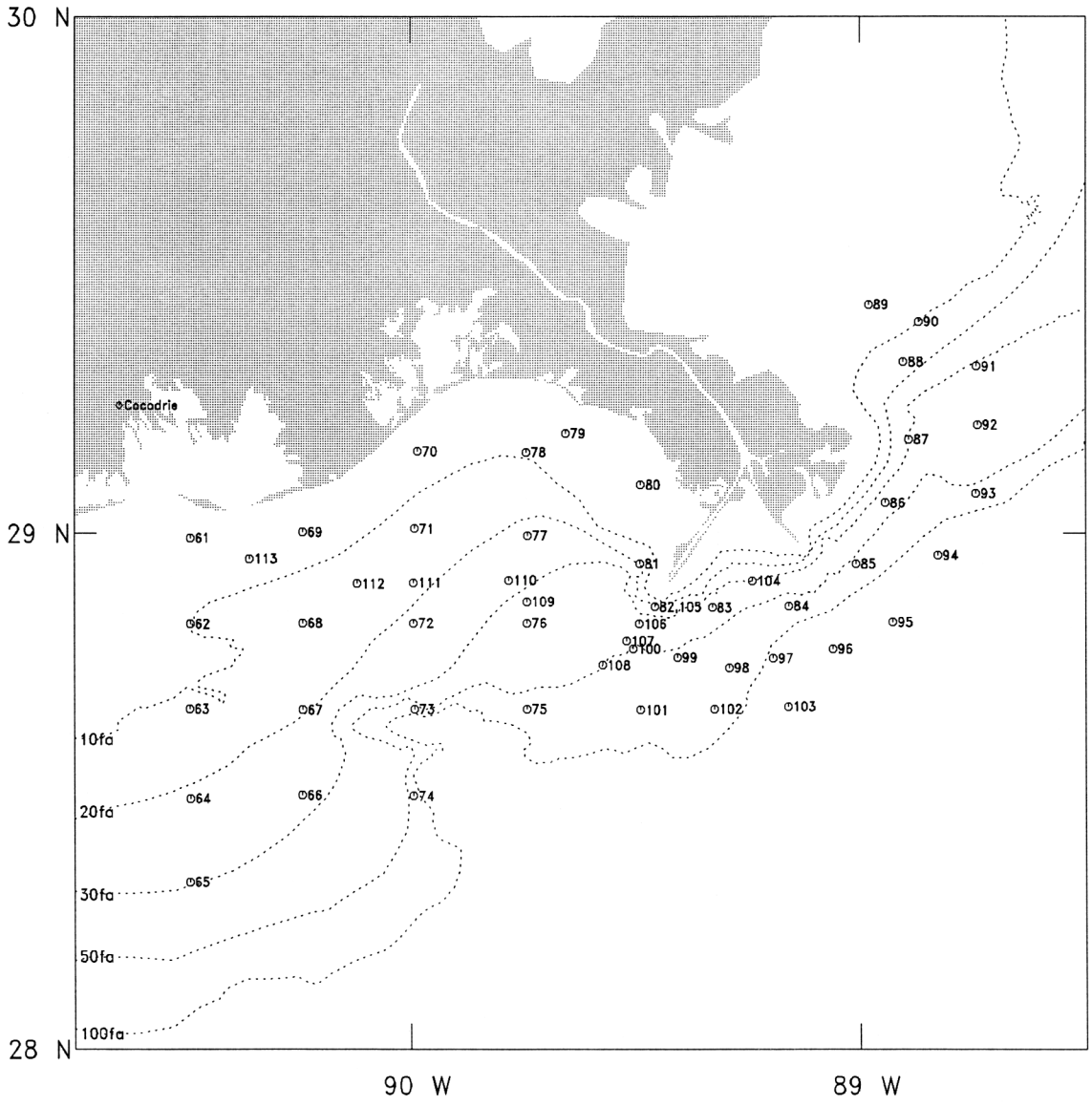

Figure 2. Map of Mississippi River delta region s howing near-delta station locations.

3. SAMPLING METHOD

The CTD's underwater unit was deployed over the ship's side by using a J-frame and slip-ring winch. Real-time data were monitored on the CTD-linked computer. At station, the underwater unit was powered and lowered to just beneath the water surface where the unit was held for at least 2 minutes to stabilize all sensors. Once incoming data indicated that the sensors were stabilized, the unit was lowered at a steady rate of about .5 m per second to a depth of about 2 m from the bottom. When the underwater unit reached the bottom of the cast, it was allowed to stand while observers made notes and decided where to collect bottle samples. The underwater unit was then brought back to the surface, stopping to trip rosette bottles on the ascent.

4. DATA PROCESSING METHOD

To process the data, we used SEASOFT (version 4.029), which is a set of software supplied by Sea-Bird Electronics for use with their own instruments.

Real-time data were written to computer file in unprocessed form and later converted to standard engineering units, filtered, and averaged into depth bins. For each data file we used the following sequence of steps as recommended by Sea-Bird Electronics (Sea-Bird Electronics, 1993a).

(1) The raw data were converted to engineering units and stored as an ASCII file. Data parameters included pressure, temperature, conductivity, light transmission (beam c), oxygen current, oxygen temperature, fluorescence, descent rate, and scan number. Every data scan was included in the new converted data file. No filtering occurred at this stage.

(2) Values were derived for dissolved oxygen content from dissolved oxygen current, dissolved oxygen temperature, water temperature, and pressure.

(3) The oxygen data were temporally advanced relative to pressure in order to compensate for time delays in oxygen sensor response. Response time may have varied from 2 to 6 seconds depending upon the sampling environment. Temporal alignment of oxygen data was further complicated by a nonlinear lag in response time. We used a method of trial and error to find the best fit to the nearest two-tenths of a second. When no reasonable judgement could be made, a 3 second advance was used as a good approximation.

(4) The file was edited to exclude data acquired when the descent rate was less than one-tenth of a meter per second. This filtering eliminated most of the resampling of water due to ship roll.

(5) The data were averaged into 1 meter depth bins.

(6) Depth, salinity, and density (σ_t) were derived.

(7) The processed data were plotted and the effectiveness of the processing procedure was evaluated.

(8) If necessary, the data were reprocessed.

(9) The data file was edited. The uppermost and lowermost bins were excluded from the final form of the processed data files as in nearly all cases, the near-surface and near-bottom bins contained too few samples for good averages. The upcast data were also excluded as the downcast data are generally considered to be of better quality.

5. SPECIAL CONSIDERATIONS FOR OXYGEN DATA

Oxygen measurements tend to be less precise and less accurate than those for pressure, conductivity, and temperature. Oxygen sensor response is linear in a constant temperature, salinity, and pressure environment. Under highly dynamic conditions, sensor accuracy and reliability are compromised. Since the sensor itself consumes oxygen, an hypoxic environment, such as those found at many of the stations, will cause a significant lag in sensor response if oxygen is depleted about the membrane (Sea-Bird, 1993b). Data spikes and "hysteresis loops" are common. Even with careful sampling techniques and meticulous post-processing, the oxygen data are not as precise, accurate, or highly-resolved as the temperature or salinity data. Regardless, since hypoxia was a major focus of the overall study, the oxygen data give extremely valuable information about water characteristics and were a great aid in selecting depths to collect bottle samples.

6. SPECIAL CONSIDERATIONS FOR FLUORESCENCE DATA

The Sea Tech fluorometer used with the CTD offers three settings for instrument sensitivity. The instrument was set to intermediate sensitivity for shelf water stations 061 - 080, and low sensitivity for near-delta stations 081 - 113. Bucket samples were taken and analyzed for chlorophyll concentration by Dean Stockwell (University of Texas Marine Science Institute). Plotting near-surface unsaturated CTD fluorometer measurements against Dean Stockwell's chlorophyll data yields the following regression solutions (Figure 3).

For stations 061 - 080, fluorometer set to medium sensitivity:

$$[\text{Chl a}] = (0.25) \times \text{fluorometer output} - 0.05$$
$$\text{with } R^2 = 0.92, \text{ and } n = 14,$$
$$[\text{total pigment}] = (0.34) \times \text{fluorometer output} - 0.05$$
$$\text{with } R^2 = 0.93, \text{ and } n = 14.$$

For stations 081 - 113, fluorometer set to low sensitivity:

$$[\text{Chl a}] = (0.56) \times \text{fluorometer output} + 0.30$$
$$\text{with } R^2 = 0.62, \text{ and } n = 10,$$
$$[\text{total pigment}] = (0.77) \times \text{fluorometer output} + 0.69$$
$$\text{with } R^2 = 0.53, \text{ and } n = 10.$$

The poor regression of the latter set is probably due to interference from suspended particulate material and dissolved organic material transported into the coastal ocean with the plume.

Readers should be aware that fluorometer data values of 5.0 volts are indicative of sensor saturation.

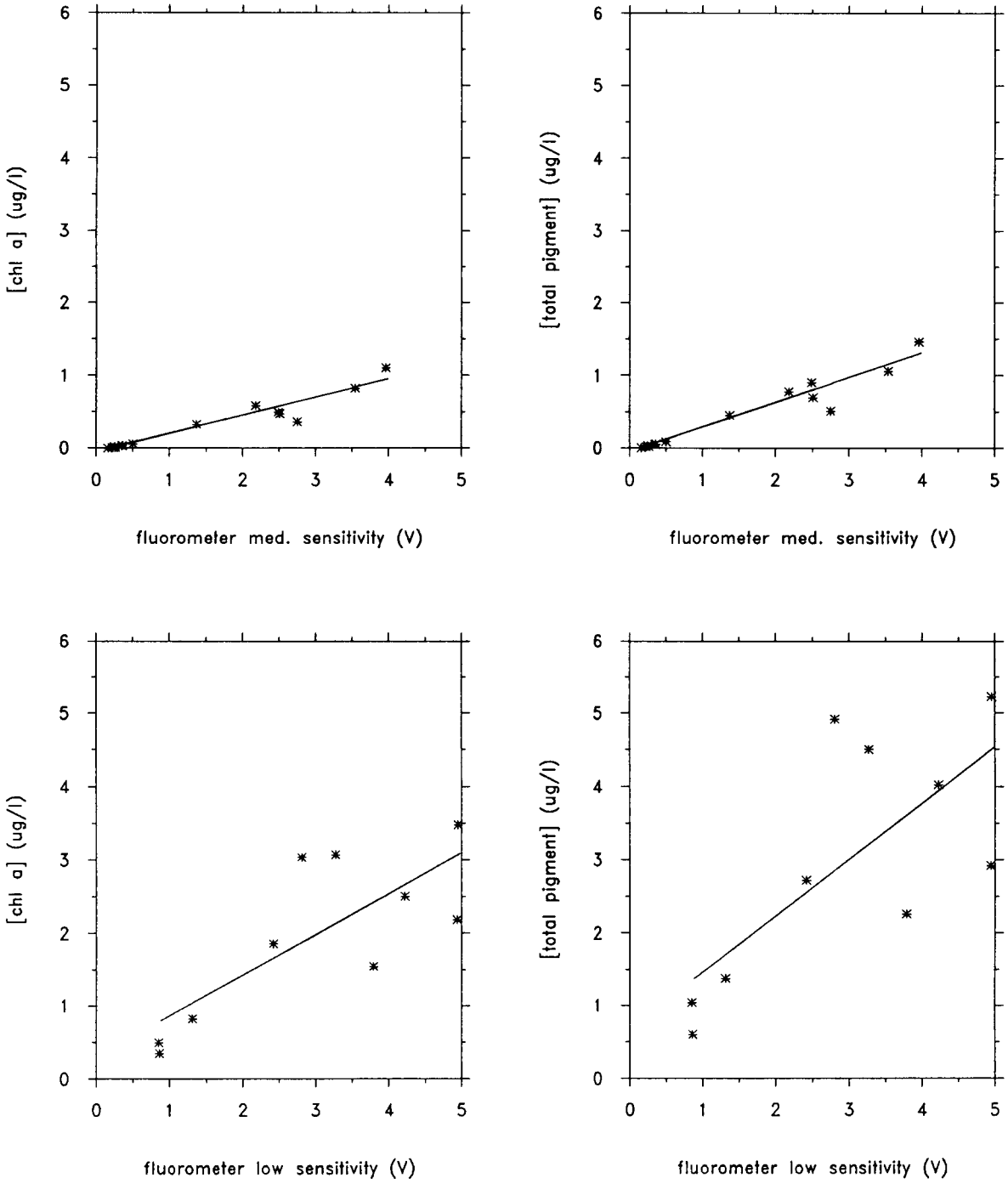

Figure 3. Plots of chlorophyll concentrations, pigment concentrations, and fluorometer measurements showing regression lines.

7. ACKNOWLEDGMENTS

We would like to acknowledge the contributions of Dean Stockwell (University of Texas Marine Science Institute) for the collection and analysis of surface samples for chlorophyll concentrations, and Burton Jones (University of Southern California) for his suggestions and assistance on the calibration of fluorometer output voltage to chlorophyll and pigment concentrations.

This work was supported by NOAA's Coastal Ocean Program, directed by Dr. D. Scavia. The NECOP component of the program was managed by Drs. D. Atwood, W. Graham, and T. Bright.

8. REFERENCES

Sea-Bird Electronics (1993a): CTD Data Acquisition Software, Version 4.029. Sea-Bird Electronics, Inc. 1808 136th Place NE, Bellevue, WA 98005.

Sea-Bird Electronics (1993b): Dissolved Oxygen Measurements with Sea-Bird CTDs.

Sea-Bird Electronics (1992): CTD System Operating and Repair Manual, SBE 9 Plus Underwater Unit.

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APPENDIX 1.--CTD Log

CTD LOG

NECOP Operation Number	Cruise Station Number	Latitude (degree)	Longitude (degree)	Time (GMT)	Date (GMT)	Station Depth
Op 931830119	Station 001	27 49.3 N	96 53.8 W	01:19	02 July 93	18 M
Op 931831210	Station 002	28 10.5 N	96 29.6 W	12:10	02 July 93	18 M
Op 931831530	Station 003	28 25.2 N	96 59.7 W	15:30	02 July 93	18 M
Op 931831845	Station 004	28 38.2 N	95 30.3 W	18:45	02 July 93	18 M
Op 931832220	Station 005	28 59.9 N	94 59.9 W	22:20	02 July 93	18 M
Op 931832351	Station 006	28 49.9 N	94 59.9 W	23:51	02 July 93	19 M
Op 931840118	Station 007	28 40.3 N	94 59.8 W	01:18	03 July 93	28 M
Op 931840245	Station 008	28 30.0 N	94 59.8 W	02:45	03 July 93	33 M
Op 931840412	Station 009	28 20.1 N	94 59.6 W	04:12	03 July 93	38 M
Op 931841200	Station 010	28 10.0 N	94 30.0 W	12:00	03 July 93	52 M
Op 931841333	Station 011	28 20.3 N	94 29.6 W	13:33	03 July 93	42 M
Op 931841446	Station 012	28 30.3 N	94 29.9 W	14:46	03 July 93	34 M
Op 931841601	Station 013	28 40.0 N	94 29.9 W	16:01	03 July 93	30 M
Op 931841715	Station 014	28 50.0 N	94 29.9 W	17:15	03 July 93	24 M
Op 931841834	Station 015	29 00.2 N	94 29.9 W	18:34	03 July 93	20 M
Op 931841953	Station 016	29 10.1 N	94 29.7 W	19:53	03 July 93	17 M
Op 931842306	Station 017	29 20.5 N	93 59.8 W	23:06	03 July 93	12 M
Op 931850028	Station 018	29 10.0 N	94 00.0 W	00:28	04 July 93	18 M
Op 931850143	Station 019	28 59.9 N	93 59.9 W	01:43	04 July 93	20 M
Op 931850258	Station 020	28 50.0 N	94 00.0 W	02:58	04 July 93	24 M
Op 931850430	Station 021	28 40.1 N	94 00.0 W	04:30	04 July 93	30 M
Op 931851238	Station 022	28 29.9 N	93 59.9 W	12:38	04 July 93	42 M
Op 931851403	Station 023	28 20.0 N	94 00.0 W	14:03	04 July 93	54 M
Op 931851707	Station 024	28 19.6 N	93 29.9 W	17:07	04 July 93	58 M
Op 931851829	Station 025	28 30.1 N	93 30.0 W	18:29	04 July 93	43 M
Op 931851955	Station 026	28 40.0 N	93 29.6 W	19:55	04 July 93	31 M
Op 931852116	Station 027	28 49.9 N	93 29.9 W	21:16	04 July 93	23 M
Op 931852235	Station 028	29 00.0 N	93 29.9 W	22:35	04 July 93	23 M
	Station 029 and station 030 occupy the same location.					
Op 931860007	Station 030	29 10.0 N	93 29.9 W	00:07	05 July 93	20 M
Op 931860121	Station 031	29 20.1 N	93 30.0 W	01:21	05 July 93	16 M
Op 931860239	Station 032	29 30.2 N	93 30.0 W	02:39	05 July 93	10 M
Op 931861205	Station 033	29 30.1 N	92 59.9 W	12:05	05 July 93	14 M
Op 931861352	Station 034	29 20.0 N	92 59.9 W	13:52	05 July 93	16 M
Op 931861531	Station 035	29 10.0 N	93 00.1 W	15:31	05 July 93	20 M
Op 931861657	Station 036	29 00.0 N	92 59.7 W	16:57	05 July 93	22 M
Op 931861825	Station 037	28 50.0 N	92 59.8 W	18:25	05 July 93	29 M
Op 931861958	Station 038	28 40.0 N	92 59.9 W	19:58	05 July 93	34 M
Op 931862125	Station 039	28 30.0 N	93 00.0 W	21:25	05 July 93	45 M

CTD LOG continued

NECOP Operation	Cruise Station N	Latitude (deg)	Longitude (deg)	Time (Z)	Date (Z)	Stn. dept
Op 931870050	Station 040	28 29.1 N	92 30.0 W	00:50	06 July 93	49 M
Op 931870220	Station 041	28 40.1 N	92 30.0 W	02:20	06 July 93	34 M
Op 931870349	Station 042	28 50.0 N	92 29.9 W	03:49	06 July 93	31 M
Op 921870505	Station 043	29 00.2 N	92 30.0 W	05:05	06 July 93	25 M
Op 931871206	Station 044	29 10.0 N	92 29.9 W	12:16	06 July 93	18 M
Op 931871335	Station 045	29 20.0 N	92 30.0 W	13:35	06 July 93	12 M
Op 931871725	Station 046	29 10.1 N	91 59.8 W	17:25	06 July 93	9 M
Op 931871842	Station 047	29 00.1 N	92 00.0 W	18:42	06 July 93	20 M
Op 931872010	Station 048	28 49.9 N	92 00.1 W	20:10	06 July 93	29 M
Op 931872133	Station 049	28 40.0 N	92 00.0 W	21:33	06 July 93	38 M
Op 931872300	Station 050	28 30.0 N	91 59.9 W	23:00	06 July 93	51 M
Op 931880020	Station 051	28 20.0 N	92 00.0 W	00:20	07 July 93	62 M
Op 931880355	Station 052	28 20.0 N	91 29.9 W	03:55	07 July 93	65 M
Op 931881105	Station 053	28 30.0 N	91 30.0 W	11:05	07 July 93	48 M
Op 931881225	Station 054	28 40.0 N	91 29.9 W	12:25	07 July 93	28 M
Op 931881340	Station 055	28 50.0 N	91 29.9 W	13:40	07 July 93	18 M
Op 931881501	Station 056	28 59.1 N	91 29.9 W	15:01	07 July 93	11 M
Op 931881840	Station 057	28 50.0 N	90 59.7 W	18:40	07 July 93	9 M
Op 931882000	Station 058	28 39.9 N	90 59.9 W	20:00	07 July 93	16 M
Op 931882130	Station 059	28 29.9 N	90 59.9 W	21:30	07 July 93	34 M
Op 931882240	Station 060	28 20.0 N	90 59.9 W	22:40	07 July 93	56 M
Op 931892130	Station 061	28 59.9 N	90 29.9 W	21:30	08 July 93	10 M
Op 931892250	Station 062	28 49.9 N	90 29.9 W	22:50	08 July 93	18 M
Op 931900020	Station 063	28 40.0 N	90 30.0 W	00:20	09 July 93	20 M
Op 931900140	Station 064	28 29.6 N	90 29.9 W	01:40	09 July 93	38 M
Op 931900250	Station 065	28 19.9 N	90 30.0 W	02:50	09 July 93	54 M
Op 931900518	Station 066	28 30.0 N	90 15.0 W	05:18	09 July 93	51 M
Op 931901225	Station 067	28 39.9 N	90 14.9 W	12:25	09 July 93	34 M
Op 931901400	Station 068	28 50.0 N	90 14.9 W	14:00	09 July 93	23 M
Op 931901520	Station 069	29 00.6 N	90 14.9 W	15:20	09 July 93	15 M
Op 931901730	Station 070	29 10.0 N	89 59.5 W	17:30	09 July 93	10 M
Op 931901840	Station 071	29 01.0 N	89 59.9 W	18:40	09 July 93	21 M
Op 931902005	Station 072	28 50.0 N	90 00.0 W	20:05	09 July 93	34 M
Op 931902127	Station 073	28 40.0 N	89 59.9 W	21:27	09 July 93	71 M
Op 931902255	Station 074	28 29.9 N	90 00.0 W	22:55	09 July 93	96 M
Op 931910100	Station 075	28 40.0 N	89 44.9 W	01:00	10 July 93	96 M
Op 931910230	Station 076	28 50.0 N	89 45.0 W	02:30	10 July 93	62 M
Op 931910400	Station 077	29 00.2 N	89 44.9 W	04:00	10 July 93	40 M
Op 931911200	Station 078	29 09.9 N	89 45.1 W	12:00	10 July 93	16 M
Op 931911255	Station 079	29 12.1 N	89 39.9 W	12:55	10 July 93	9 M

CTD LOG continued

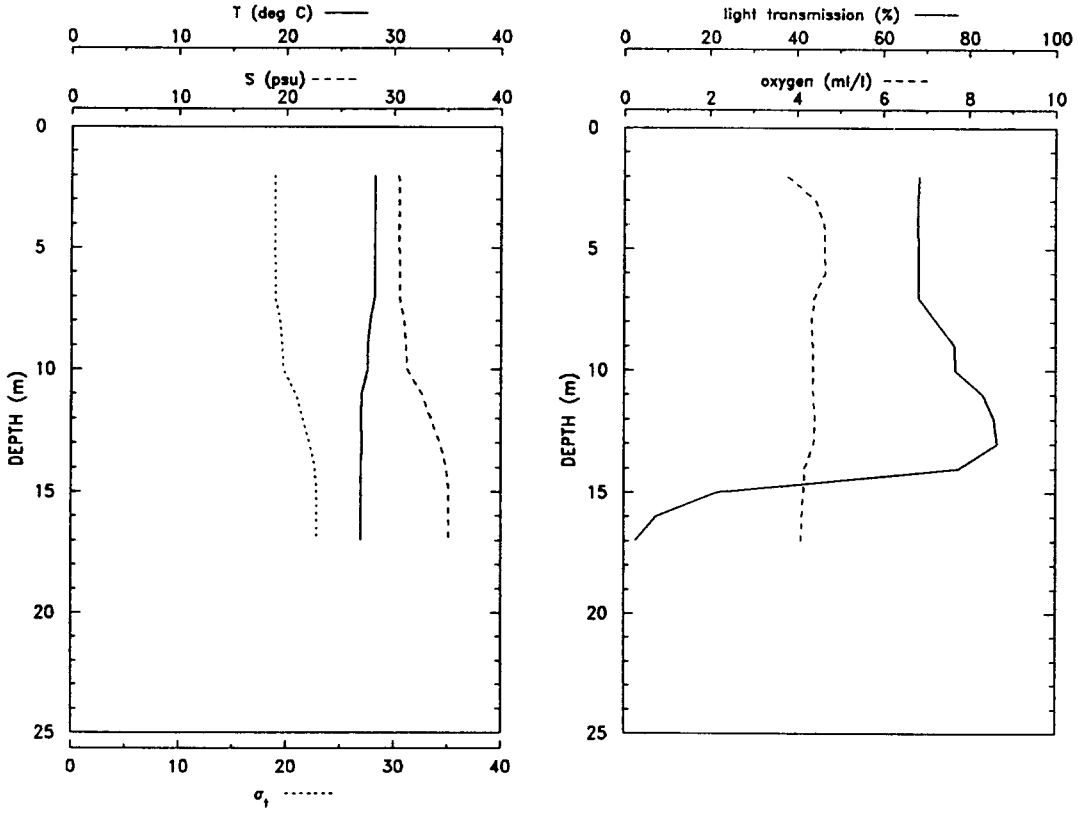
NECOP Operation	Cruise Station N	Latitude (deg)	Longitude (deg)	Time (Z)	Date (Z)	Stn. dept
Op 931911425	Station 080	29 06.1 N	89 29.9 W	14:25	10 July 93	9 M
Op 931911540	Station 081	28 56.9 N	89 30.0 W	15:40	10 July 93	7 M
Op 931911630	Station 082	28 51.9 N	89 28.0 W	16:30	10 July 93	29 M
Op 931911755	Station 083	28 51.8 N	89 20.2 W	17:55	10 July 93	62 M
Op 931911915	Station 084	28 52.0 N	89 09.9 W	19:15	10 July 93	105 M
Op 931912025	Station 085	28 56.9 N	89 00.9 W	20:25	10 July 93	95 M
Op 931912125	Station 086	29 04.0 N	88 57.0 W	21:25	10 July 93	60 M
Op 931912230	Station 087	29 11.4 N	88 53.9 W	22:30	10 July 93	47 M
Op 931912350	Station 088	29 13.5 N	88 54.6 W	23:50	10 July 93	21 M
Op 931920115	Station 089	29 27.1 N	88 59.2 W	01:15	11 July 93	9 M
Op 931920220	Station 090	29 25.1 N	88 52.6 W	02:20	11 July 93	18 M
Op 931920330	Station 091	29 19.9 N	88 45.0 W	03:30	11 July 93	54 M
Op 931921215	Station 092	29 13.1 N	88 44.9 W	12:15	11 July 93	65 M
Op 931921345	Station 093	29 05.1 N	88 45.1 W	13:45	11 July 93	100 M
Op 931921510	Station 094	28 57.9 N	88 50.1 W	15:10	11 July 93	241 M
Op 931921645	Station 095	28 50.1 N	88 56.0 W	16:45	11 July 93	220 M
Op 931921820	Station 096	28 47.0 N	89 04.0 W	18:20	11 July 93	310 M
Op 931921930	Station 097	28 45.9 N	89 12.0 W	19:30	11 July 93	190 M
Op 931922030	Station 098	28 44.8 N	89 17.9 W	20:30	11 July 93	128 M
Op 931922140	Station 099	28 46.0 N	89 24.9 W	21:40	11 July 93	96 M
Op 931922240	Station 100	28 47.0 N	89 29.9 W	22:40	11 July 93	89 M
Op 931922345	Station 101	28 39.9 N	89 29.9 W	23:45	11 July 93	118 M
Op 931930105	Station 102	28 40.0 N	89 19.9 W	01:05	12 July 93	146 M
Op 931930215	Station 103	28 40.3 N	89 10.0 W	02:15	12 July 93	465 M
Op 931931205	Station 104	28 54.9 N	89 14.8 W	12:05	12 July 93	51 M
Op 931931355	Station 105	28 52.2 N	89 28.1 W	13:55	12 July 93	27 M
Op 931931430	Station 106	28 49.9 N	89 30.1 W	14:30	12 July 93	64 M
Op 931931500	Station 107	28 47.9 N	89 31.8 W	15:00	12 July 93	80 M
Op 931931550	Station 108	28 45.1 N	89 35.0 W	15:50	12 July 93	89 M
Op 931931730	Station 109	28 52.5 N	89 45.0 W	17:30	12 July 93	56 M
Op 931931825	Station 110	28 55.0 N	89 47.4 W	18:25	12 July 93	47 M
Op 931932005	Station 111	28 54.7 N	90 00.0 W	20:05	12 July 93	31 M
Op 931932100	Station 112	28 54.6 N	90 07.6 W	21:00	12 July 93	25 M
Op 921932240	Station 113	28 57.5 N	90 22.0 W	22:40	12 July 93	13 M

CTD LOG end

APPENDIX 2.--Plots and Tables of CTD Data

STATION 001

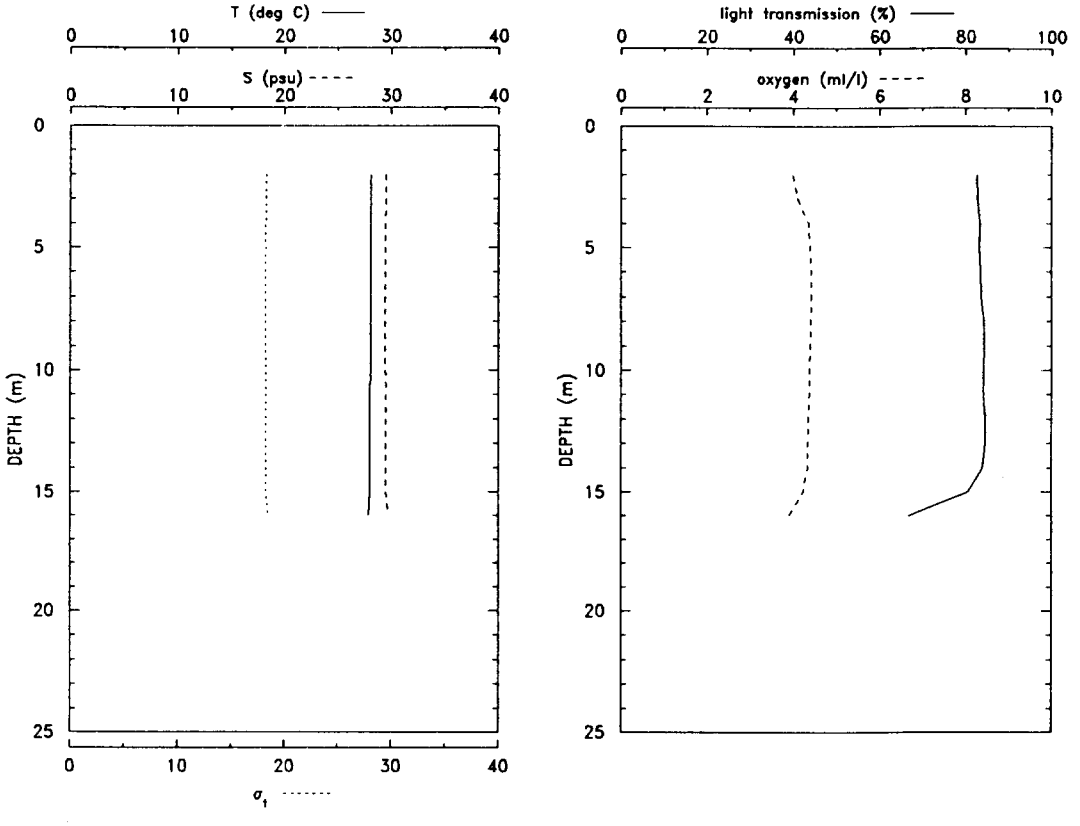
OP NUM: 931830119 LAT: 27 49.3 N LON: 96 53.8 W STATION DEPTH: 18 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	28.22	30.43	18.89	68.32	3.79
3.0	28.23	30.49	18.94	68.00	4.44
4.0	28.23	30.50	18.94	67.97	4.64
5.0	28.23	30.50	18.94	68.12	4.65
6.0	28.22	30.51	18.95	68.20	4.66
7.0	28.23	30.51	18.95	68.12	4.41
8.0	27.79	30.94	19.41	72.36	4.34
9.0	27.56	31.12	19.62	76.63	4.37
10.0	27.52	31.23	19.72	76.88	4.37
11.0	27.04	32.59	20.89	83.23	4.39
12.0	26.98	33.42	21.53	85.83	4.42
13.0	27.03	34.30	22.18	86.54	4.40
14.0	26.95	34.91	22.67	77.67	4.19
15.0	26.94	35.11	22.82	21.65	4.16
16.0	26.94	35.12	22.83	7.44	4.13
17.0	26.93	35.12	22.83	2.70	4.11

STATION 002

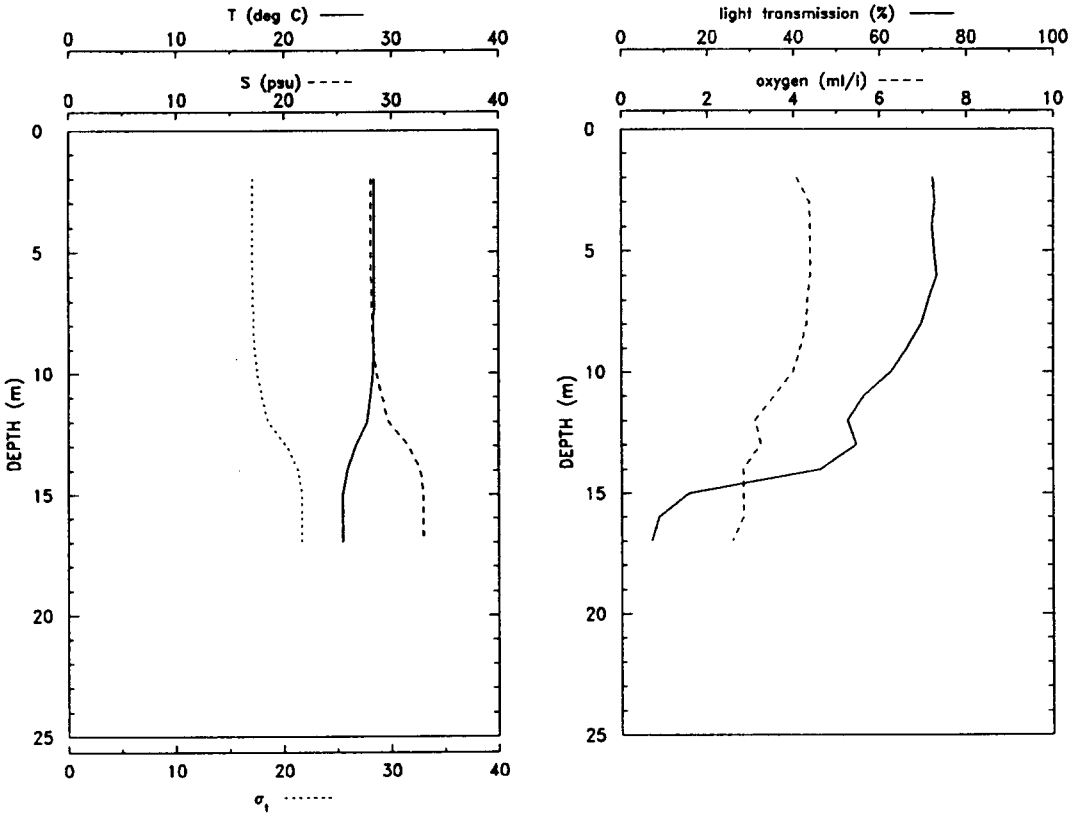
OP NUM: 931831210 LAT: 28 10.5 N LON: 96 29.6 W STATION DEPTH: 18 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	28.07	29.49	18.24	82.58	3.99
3.0	28.07	29.50	18.24	82.81	4.10
4.0	28.07	29.48	18.23	83.41	4.36
5.0	28.07	29.49	18.23	83.28	4.39
6.0	28.07	29.48	18.23	83.58	4.42
7.0	28.07	29.48	18.23	83.74	4.42
8.0	28.07	29.47	18.22	84.20	4.41
9.0	28.07	29.48	18.23	84.32	4.39
10.0	28.06	29.49	18.24	84.18	4.37
11.0	28.05	29.50	18.25	84.05	4.37
12.0	28.05	29.50	18.25	84.52	4.35
13.0	28.05	29.51	18.26	84.58	4.34
14.0	28.04	29.52	18.27	83.95	4.33
15.0	28.02	29.54	18.29	80.48	4.23
16.0	27.91	29.71	18.45	66.90	3.88

STATION 003

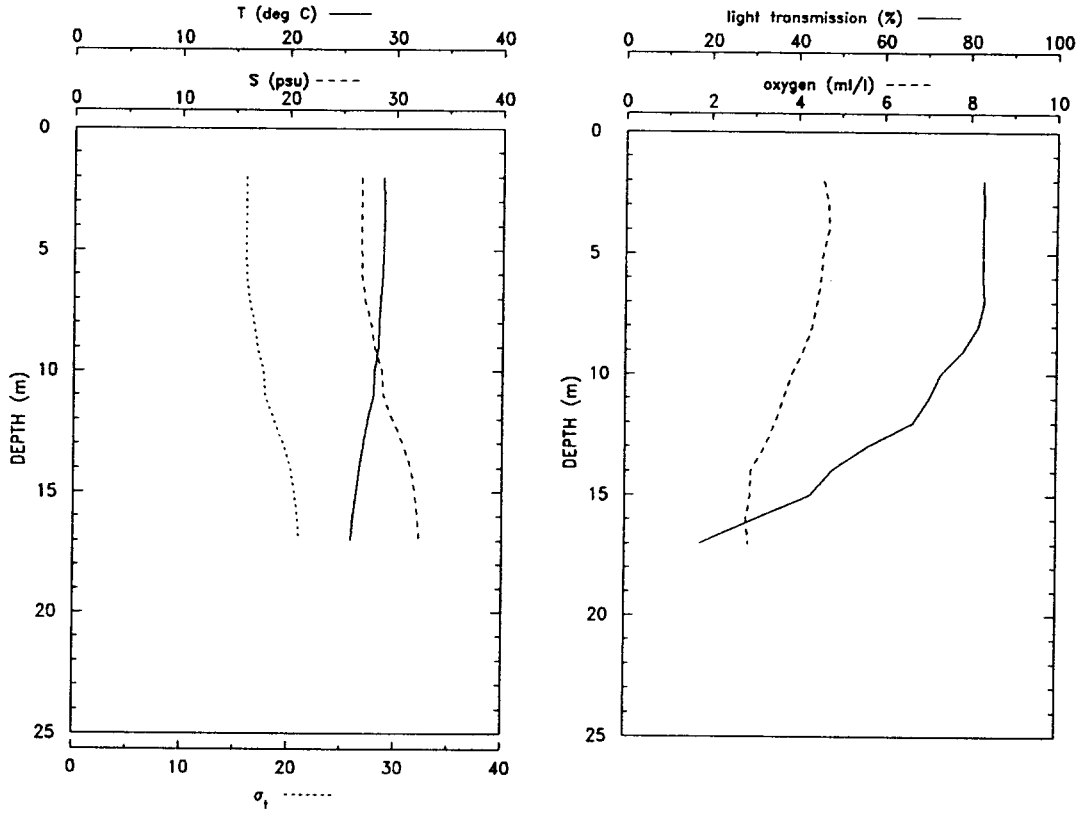
OP NUM: 931831530 LAT: 28 25.2 N LON: 96 59.7 W STATION DEPTH: 18 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	28.41	28.08	17.08	72.21	4.07
3.0	28.40	28.09	17.08	72.60	4.37
4.0	28.40	28.10	17.09	72.13	4.40
5.0	28.40	28.09	17.08	72.49	4.39
6.0	28.40	28.10	17.09	73.08	4.39
7.0	28.36	28.17	17.15	71.12	4.32
8.0	28.35	28.20	17.18	69.58	4.30
9.0	28.31	28.33	17.29	66.24	4.16
10.0	28.24	28.62	17.53	62.57	3.99
11.0	28.02	29.13	17.99	56.24	3.55
12.0	27.72	29.73	18.53	52.55	3.10
13.0	26.69	31.61	20.26	54.57	3.23
14.0	25.89	32.69	21.33	46.38	2.82
15.0	25.48	32.98	21.67	15.61	2.83
16.0	25.47	32.97	21.67	8.70	2.83
17.0	25.46	32.96	21.66	6.94	2.57

STATION 004

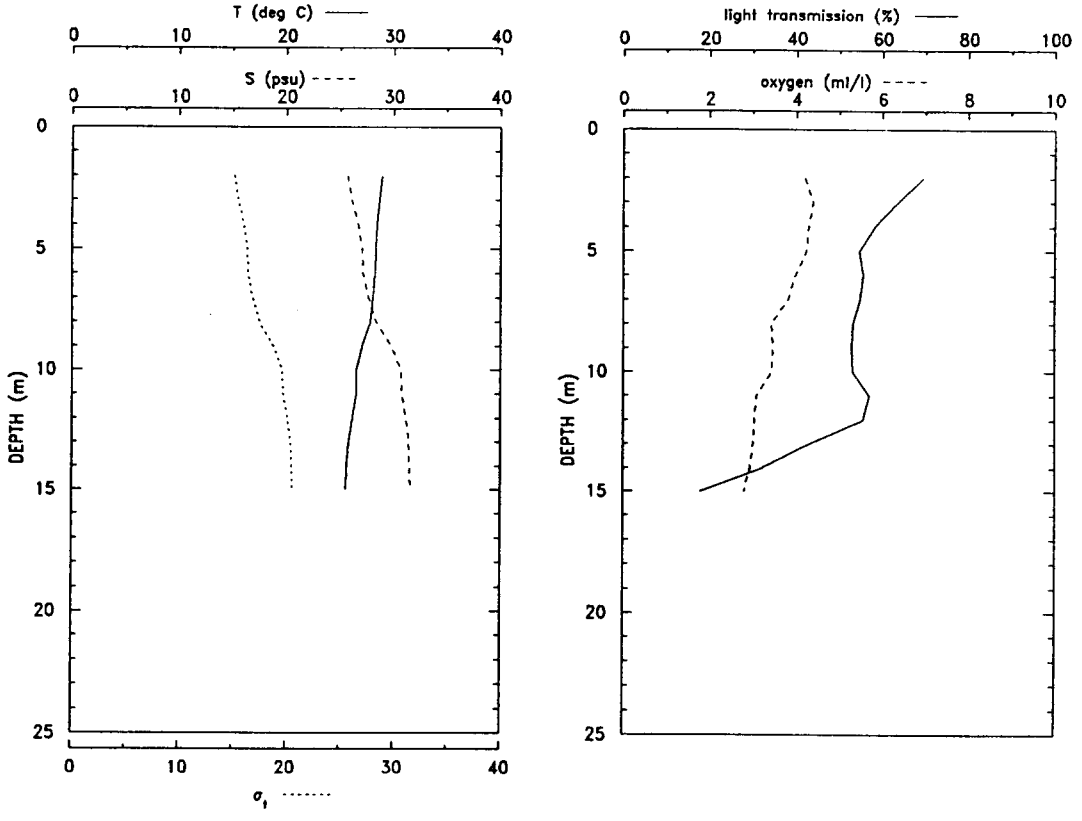
OP NUM: 931831845 LAT: 28 38.2 N LON: 95 30.3 W STATION DEPTH: 18 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	28.83	26.73	15.92	82.93	4.58
3.0	28.85	26.72	15.91	83.01	4.71
4.0	28.84	26.73	15.92	82.95	4.72
5.0	28.80	26.74	15.94	82.92	4.59
6.0	28.72	26.80	16.01	82.95	4.54
7.0	28.60	27.06	16.25	83.16	4.46
8.0	28.45	27.66	16.74	81.96	4.34
9.0	28.37	28.06	17.06	78.43	4.15
10.0	28.04	28.72	17.67	73.06	3.88
11.0	27.96	28.86	17.80	70.62	3.68
12.0	27.45	29.75	18.63	66.82	3.49
13.0	27.01	30.72	19.49	56.28	3.25
14.0	26.66	31.48	20.18	47.93	2.93
15.0	26.35	31.86	20.56	43.07	2.92
16.0	26.06	32.13	20.85	30.07	2.83
17.0	25.90	32.28	21.02	17.51	2.88

STATION 005

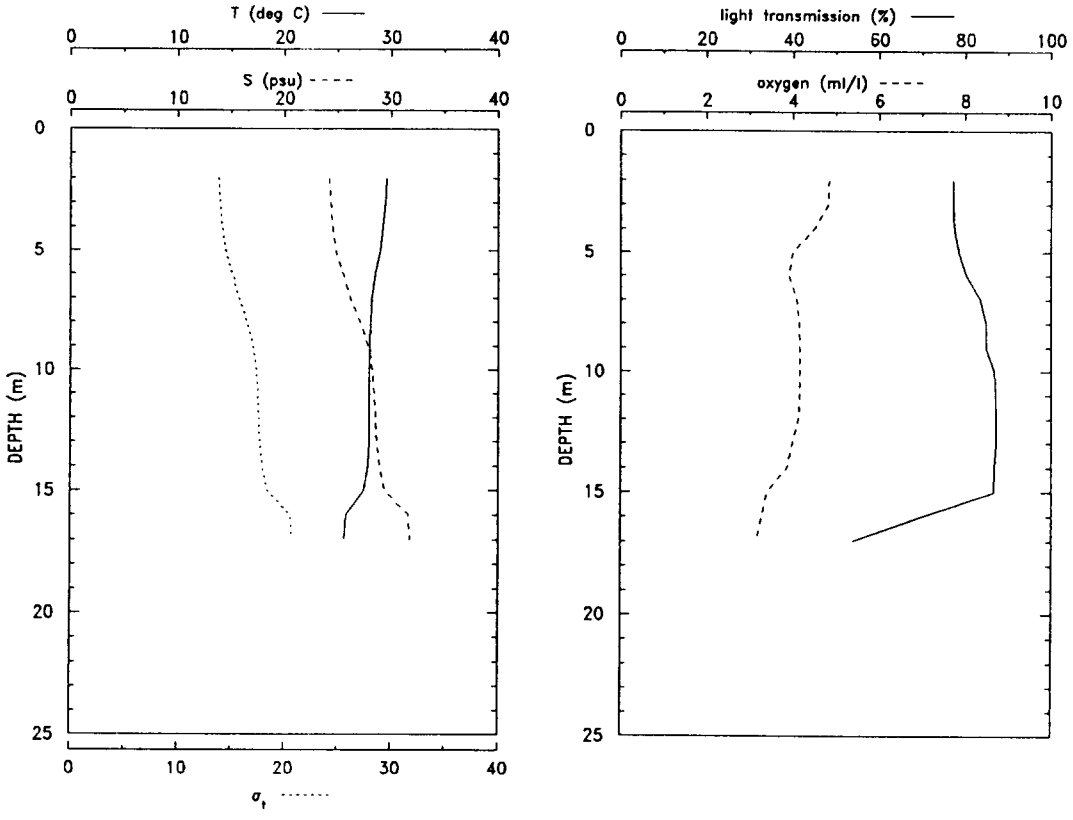
OP NUM: 931832220 LAT: 28 59.9 N LON: 94 59.9 W STATION DEPTH: 18 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	28.94	25.69	15.12	69.45	4.20
3.0	28.67	26.08	15.49	63.60	4.39
4.0	28.43	26.70	16.03	58.19	4.29
5.0	28.31	27.08	16.36	54.63	4.24
6.0	28.30	27.15	16.41	55.52	3.98
7.0	28.11	27.67	16.86	54.86	3.81
8.0	27.87	28.37	17.46	53.19	3.42
9.0	27.06	29.78	18.77	52.91	3.46
10.0	26.52	30.68	19.62	53.16	3.44
11.0	26.52	30.80	19.71	57.02	3.08
12.0	26.16	31.19	20.11	55.52	3.04
13.0	25.83	31.44	20.40	43.04	3.00
14.0	25.68	31.52	20.51	32.36	2.93
15.0	25.56	31.58	20.59	17.86	2.80

STATION 006

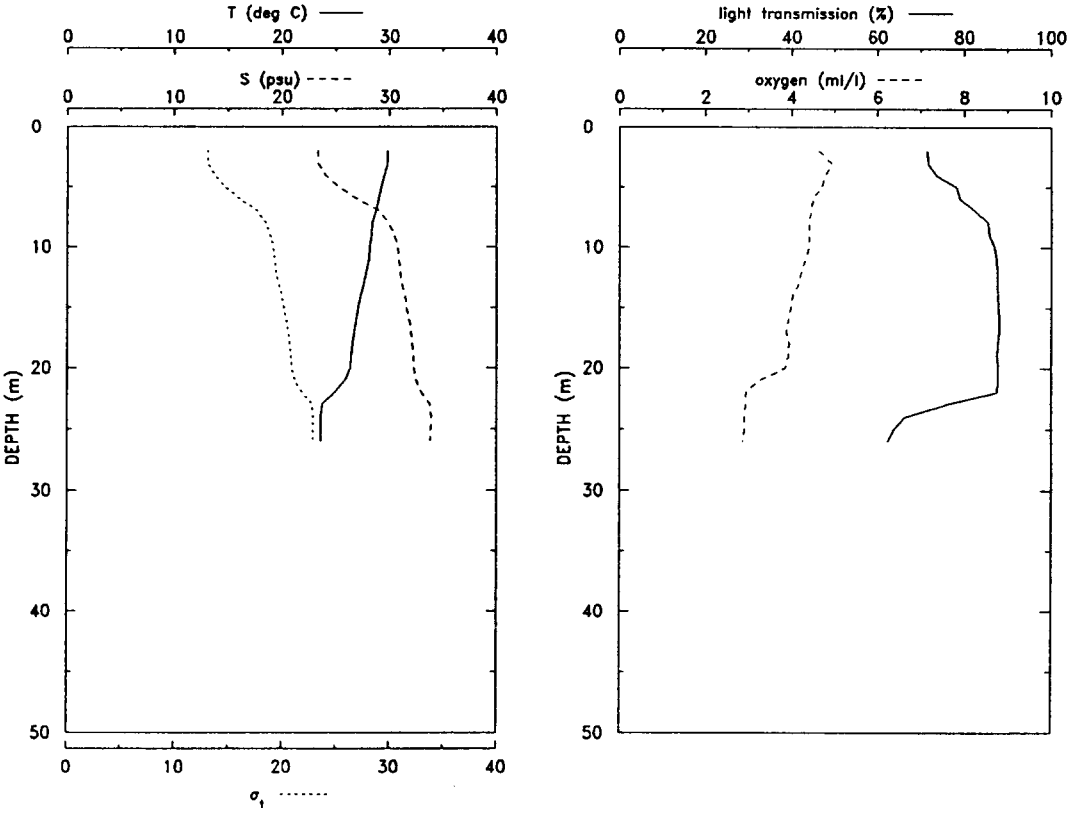
OP NUM: 931832351 LAT: 28 49.9 N LON: 94 59.9 W STATION DEPTH: 19 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.55	24.22	13.82	77.14	4.84
3.0	29.46	24.31	13.92	77.14	4.81
4.0	29.25	24.53	14.15	77.37	4.50
5.0	28.98	24.80	14.43	78.42	3.99
6.0	28.53	25.52	15.11	80.21	3.89
7.0	28.20	26.19	15.72	83.59	4.08
8.0	28.09	27.14	16.47	84.88	4.14
9.0	28.02	27.86	17.03	84.92	4.15
10.0	27.95	28.26	17.35	86.78	4.15
11.0	27.94	28.44	17.49	87.09	4.16
12.0	27.96	28.57	17.58	87.19	4.13
13.0	27.97	28.67	17.66	87.18	3.98
14.0	27.84	28.94	17.90	86.82	3.86
15.0	27.47	29.41	18.37	86.64	3.40
16.0	25.81	31.65	20.56	69.77	3.28
17.0	25.67	31.78	20.71	53.94	3.14

STATION 007

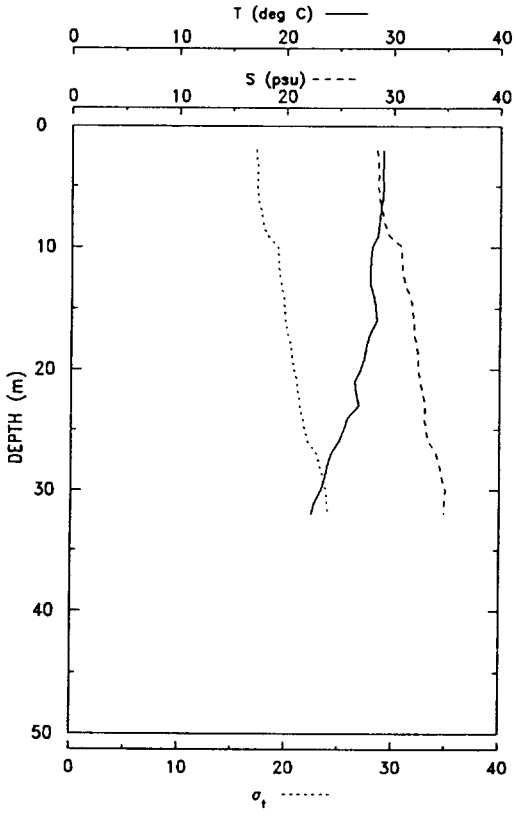
OP NUM: 931840118 LAT: 28 40.3 N LON: 94 59.8 W STATION DEPTH: 28 m

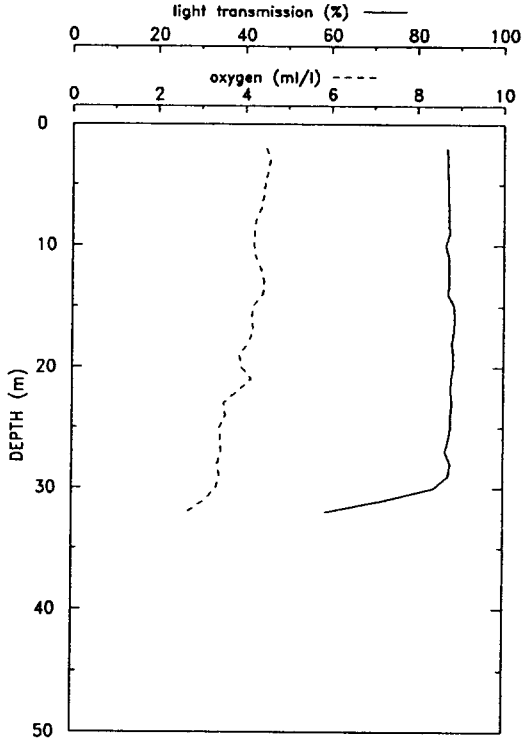


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.83	23.34	13.07	71.43	4.63
3.0	29.82	23.33	13.07	71.57	4.93
4.0	29.54	24.00	13.66	73.59	4.79
5.0	29.23	25.18	14.64	78.12	4.69
6.0	29.00	26.92	16.02	78.96	4.50
7.0	28.76	28.96	17.62	82.51	4.45
8.0	28.40	29.89	18.43	85.49	4.41
9.0	28.33	30.45	18.87	85.81	4.42
10.0	28.17	30.76	19.16	86.98	4.41
11.0	28.11	30.91	19.29	87.40	4.34
12.0	27.86	30.98	19.42	87.60	4.22
13.0	27.61	31.16	19.64	87.54	4.17
14.0	27.31	31.46	19.95	87.62	4.03
15.0	27.09	31.62	20.15	87.87	3.99
16.0	26.90	31.86	20.39	87.92	3.93
17.0	26.70	32.01	20.56	88.02	3.87
18.0	26.53	32.13	20.71	87.65	3.94
19.0	26.43	32.23	20.81	87.58	3.92
20.0	26.36	32.30	20.89	87.74	3.86
21.0	25.89	32.48	21.17	87.75	3.27
22.0	24.94	32.98	21.83	87.52	2.94
23.0	23.76	33.81	22.81	75.62	2.93
24.0	23.61	33.90	22.93	66.43	2.91
25.0	23.60	33.89	22.92	63.89	2.90
26.0	23.60	33.89	22.92	62.38	2.85

STATION 008

OP NUM: 931840245 LAT: 28 30.0 N LON: 94 59.8 W STATION DEPTH: 33 m



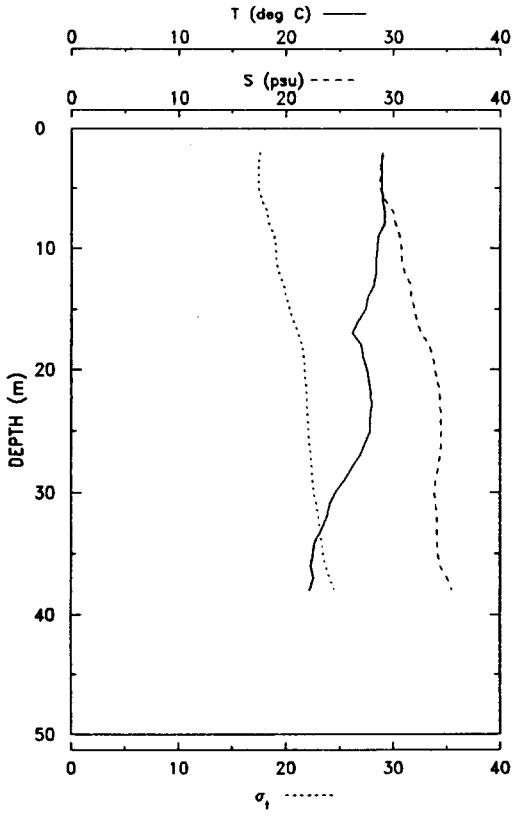


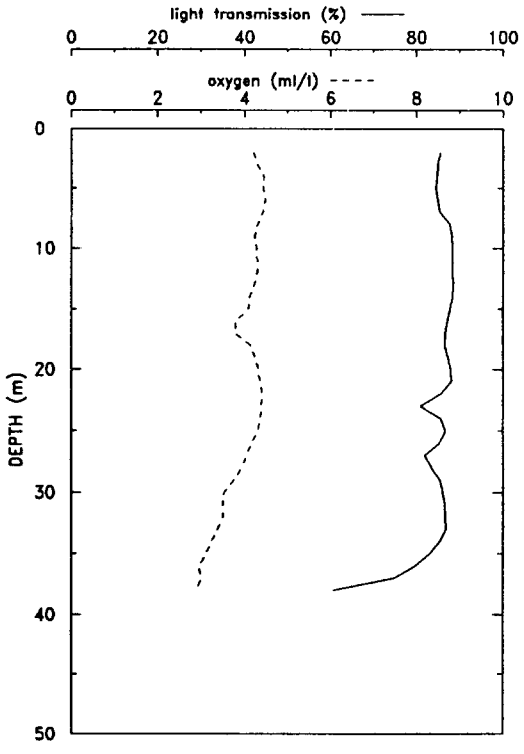
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.04	28.44	17.14	86.79	4.49
3.0	29.02	28.56	17.24	86.95	4.57
4.0	29.00	28.61	17.27	86.97	4.51
5.0	29.01	28.57	17.24	87.10	4.45
6.0	28.98	28.68	17.34	87.14	4.42
7.0	28.82	28.95	17.59	87.23	4.37
8.0	28.66	29.15	17.79	87.27	4.24
9.0	28.55	29.55	18.13	87.36	4.21
10.0	28.03	30.80	19.23	86.46	4.20
11.0	27.92	30.78	19.26	87.23	4.24
12.0	27.86	30.84	19.32	87.24	4.37
13.0	27.84	31.09	19.51	87.23	4.43
14.0	28.22	31.60	19.77	87.12	4.41
15.0	28.40	31.80	19.87	88.41	4.18
16.0	28.48	31.93	19.94	88.62	4.15
17.0	27.89	31.96	20.15	88.51	4.20

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
18.0	27.57	32.24	20.46	87.94	4.08
19.0	27.39	32.33	20.58	88.26	3.87
20.0	26.99	32.42	20.78	88.31	3.92
21.0	26.48	32.54	21.03	87.90	4.16
22.0	26.62	32.78	21.17	87.74	3.83
23.0	26.82	33.06	21.32	87.95	3.52
24.0	25.85	32.98	21.56	87.70	3.56
25.0	25.48	33.12	21.77	87.68	3.42
26.0	25.02	33.35	22.09	87.25	3.44
27.0	24.25	34.12	22.90	86.57	3.45
28.0	23.90	34.40	23.22	87.70	3.38
29.0	23.70	34.66	23.48	87.19	3.42
30.0	23.32	34.97	23.82	84.04	3.35
31.0	22.74	34.91	23.94	72.80	3.09
32.0	22.45	34.90	24.02	58.77	2.70

STATION 009

OP NUM: 931840412 LAT: 28 20.1 N LON: 94 59.6 W STATION DEPTH: 38 m



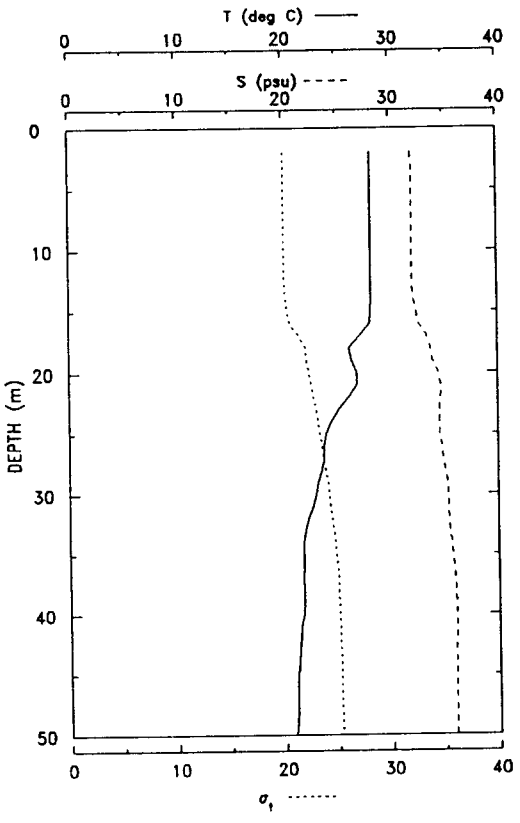


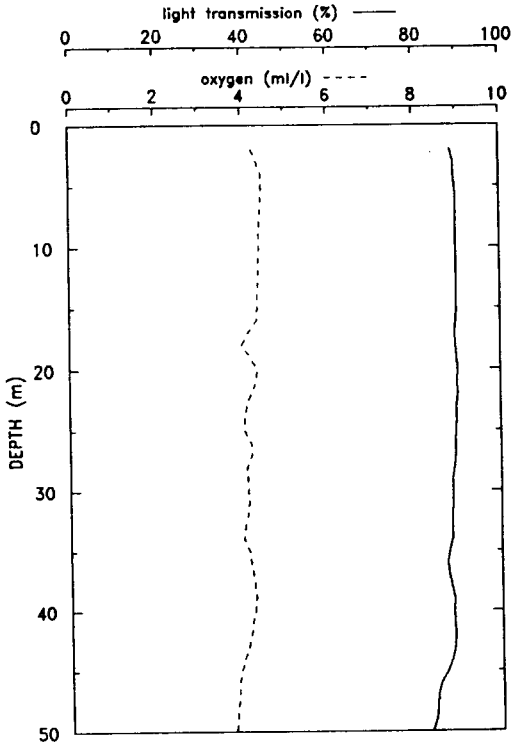
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	28.97	28.97	17.56	85.49	4.22
3.0	28.92	28.82	17.46	84.92	4.30
4.0	28.91	28.78	17.43	84.67	4.46
5.0	28.90	28.75	17.41	84.45	4.44
6.0	28.97	29.21	17.74	84.90	4.48
7.0	29.18	29.98	18.25	85.27	4.43
8.0	29.18	30.21	18.41	87.69	4.31
9.0	28.57	30.61	18.92	88.08	4.24
10.0	28.48	30.76	19.06	88.22	4.28
11.0	28.40	30.79	19.11	88.25	4.30
12.0	28.36	31.07	19.33	88.22	4.30
13.0	28.22	31.64	19.80	88.50	4.23
14.0	27.64	31.68	20.02	88.31	4.12
15.0	27.44	32.00	20.32	87.72	4.09
16.0	26.73	32.25	20.73	87.06	3.81
17.0	26.21	32.59	21.15	86.72	3.79
18.0	27.00	33.40	21.51	86.45	4.13
19.0	27.22	33.72	21.68	87.30	4.25
20.0	27.55	33.93	21.74	87.86	4.32

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
21.0	27.73	34.15	21.84	88.03	4.37
22.0	27.90	34.34	21.93	85.67	4.41
23.0	27.95	34.41	21.97	81.03	4.40
24.0	27.85	34.46	22.04	85.68	4.38
25.0	27.88	34.50	22.06	86.66	4.31
26.0	27.38	34.46	22.19	85.36	4.17
27.0	26.89	34.42	22.32	81.96	4.06
28.0	26.10	34.21	22.41	83.53	3.93
29.0	25.41	34.00	22.46	85.45	3.76
30.0	24.58	33.84	22.59	86.05	3.52
31.0	24.04	33.97	22.85	86.43	3.49
32.0	23.82	34.11	23.02	86.68	3.50
33.0	23.34	34.11	23.17	86.76	3.38
34.0	22.70	34.09	23.33	85.33	3.24
35.0	22.47	34.18	23.47	83.14	3.11
36.0	22.28	34.39	23.68	79.60	2.96
37.0	22.57	35.03	24.08	74.94	2.99
38.0	22.22	35.53	24.56	60.71	2.91

STATION 010

OP NUM: 931841200 LAT: 28 10.0 N LON: 94 30.0 W STATION DEPTH: 52 m



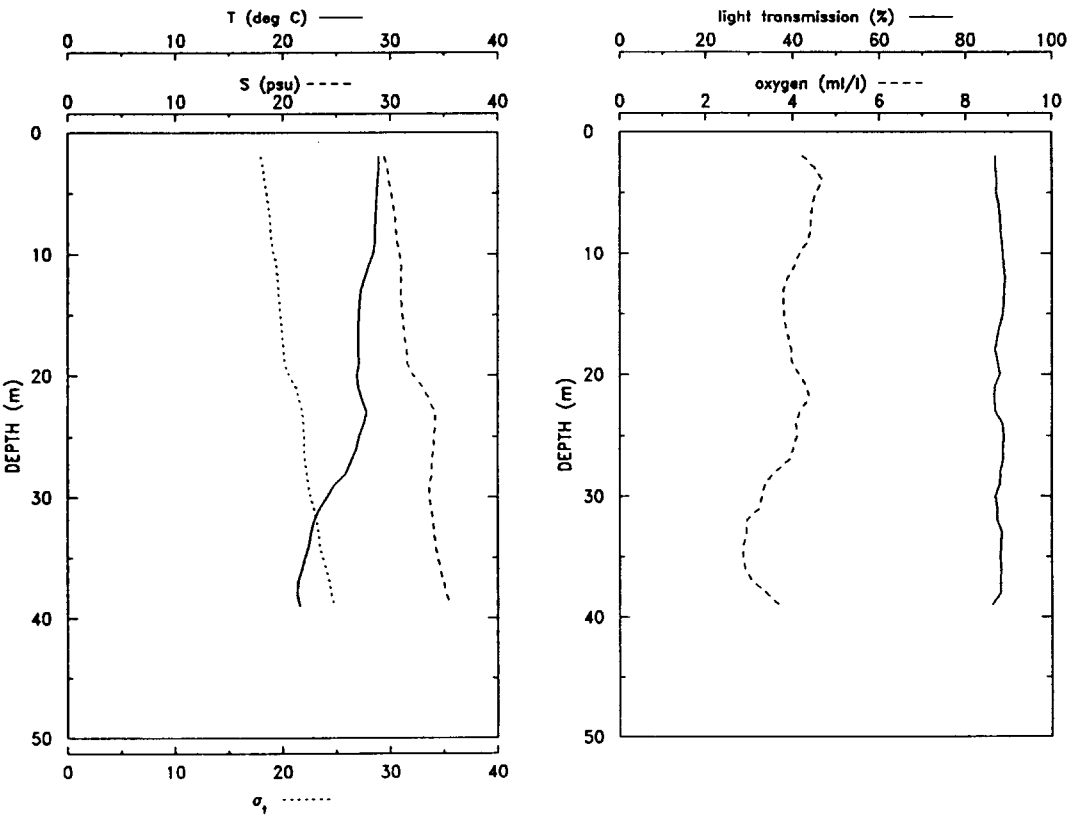


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	28.23	32.03	20.09	88.77	4.26
3.0	28.23	32.06	20.11	89.53	4.37
4.0	28.23	32.07	20.12	89.47	4.48
5.0	28.23	32.07	20.12	89.83	4.48
6.0	28.23	32.07	20.12	89.96	4.47
7.0	28.23	32.07	20.12	89.94	4.45
8.0	28.24	32.08	20.12	89.91	4.43
9.0	28.24	32.08	20.13	89.96	4.43
10.0	28.23	32.08	20.13	89.95	4.42
11.0	28.23	32.09	20.13	89.94	4.41
12.0	28.23	32.09	20.14	89.90	4.41
13.0	28.22	32.10	20.14	89.93	4.39
14.0	28.19	32.19	20.23	89.91	4.38
15.0	28.16	32.42	20.41	89.88	4.37
16.0	28.09	32.60	20.56	89.81	4.36
17.0	27.14	33.38	21.46	89.45	4.16
18.0	26.13	33.77	22.06	89.60	4.01
19.0	26.35	33.93	22.12	89.98	4.21
20.0	26.83	34.46	22.36	90.02	4.36
21.0	26.86	34.71	22.54	89.98	4.34
22.0	26.04	34.64	22.75	90.03	4.21
23.0	25.09	34.58	23.00	89.85	4.11
24.0	24.42	34.55	23.18	89.76	4.07
25.0	23.94	34.58	23.34	89.65	4.07
26.0	23.72	34.78	23.56	89.54	4.21

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
27.0	23.72	34.86	23.62	89.45	4.24
28.0	23.50	35.08	23.85	89.12	4.11
29.0	23.17	35.25	24.08	88.81	4.12
30.0	22.95	35.30	24.18	88.71	4.14
31.0	22.67	35.35	24.29	88.77	4.15
32.0	22.27	35.39	24.44	88.64	4.13
33.0	21.94	35.46	24.59	88.65	4.05
34.0	21.80	35.63	24.75	88.52	4.03
35.0	21.79	35.69	24.80	87.79	4.15
36.0	21.77	35.84	24.92	87.37	4.18
37.0	21.74	35.90	24.98	87.75	4.23
38.0	21.76	35.94	25.00	88.31	4.26
39.0	21.78	35.98	25.03	88.82	4.29
40.0	21.69	35.98	25.05	88.68	4.27
41.0	21.50	35.99	25.11	88.83	4.20
42.0	21.42	35.98	25.13	89.04	4.16
43.0	21.33	35.97	25.14	88.88	4.11
44.0	21.22	35.96	25.17	88.28	4.01
45.0	21.13	35.96	25.19	87.20	3.93
46.0	21.08	35.95	25.20	85.61	3.88
47.0	21.07	35.95	25.20	84.88	3.87
48.0	21.05	35.95	25.20	84.78	3.84
49.0	21.02	35.95	25.21	84.43	3.83
50.0	20.90	35.95	25.24	83.52	3.80

STATION 011

OP NUM: 931841333 LAT: 28 20.3 N LON: 94 29.6 W STATION DEPTH: 42 m

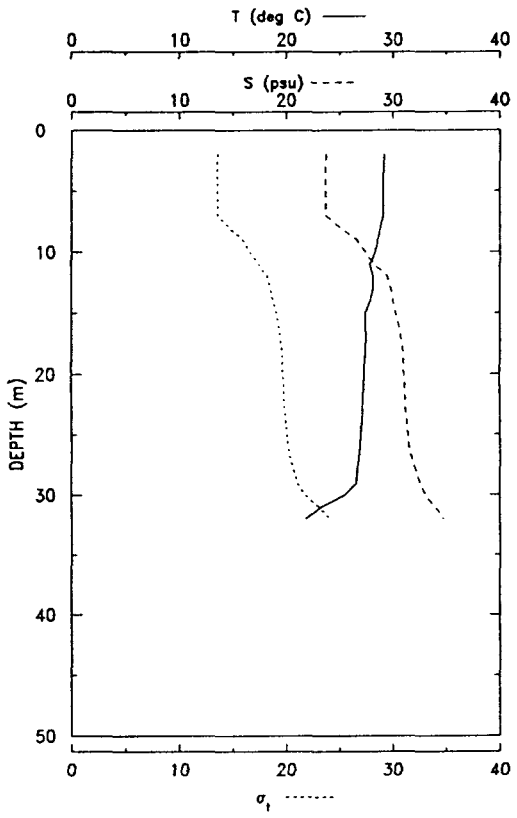


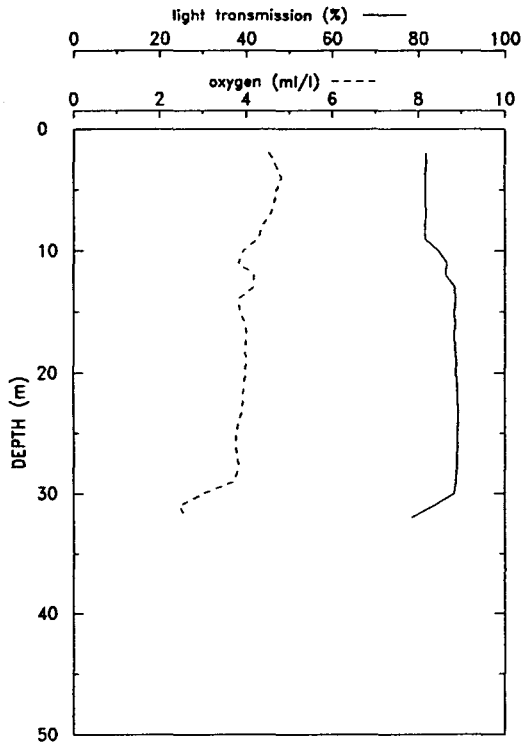
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	28.92	29.44	17.92	86.91	4.23
3.0	28.89	29.75	18.17	87.00	4.51
4.0	28.81	29.89	18.29	87.23	4.69
5.0	28.77	30.10	18.47	87.12	4.54
6.0	28.67	30.32	18.67	87.75	4.46
7.0	28.60	30.44	18.78	87.95	4.43
8.0	28.57	30.56	18.88	88.16	4.42
9.0	28.56	30.66	18.95	88.42	4.37
10.0	28.41	30.89	19.18	88.68	4.16
11.0	27.97	31.04	19.43	88.88	4.06
12.0	27.63	31.01	19.52	89.11	3.90
13.0	27.26	30.99	19.62	89.01	3.80
14.0	27.12	31.04	19.70	88.93	3.80
15.0	27.09	31.13	19.78	88.78	3.81
16.0	27.02	31.25	19.90	88.00	3.84
17.0	27.01	31.38	19.99	87.40	3.91
18.0	27.03	31.56	20.12	86.90	3.97
19.0	27.05	31.63	20.17	87.59	3.98
20.0	26.92	32.15	20.60	87.98	4.16

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
21.0	27.00	33.07	21.27	86.79	4.34
22.0	27.37	33.61	21.56	86.68	4.38
23.0	27.77	34.16	21.84	86.97	4.17
24.0	27.48	34.17	21.94	88.63	4.09
25.0	27.09	34.07	21.99	88.90	4.11
26.0	26.85	34.00	22.01	88.69	4.02
27.0	26.38	33.88	22.08	88.72	3.94
28.0	25.89	33.90	22.24	88.12	3.59
29.0	24.75	33.64	22.39	88.04	3.37
30.0	24.10	33.65	22.59	86.93	3.29
31.0	23.39	33.83	22.94	87.41	3.23
32.0	22.91	33.98	23.19	87.34	2.95
33.0	22.61	34.08	23.35	88.43	2.94
34.0	22.46	34.16	23.45	88.31	2.87
35.0	22.06	34.40	23.75	88.13	2.86
36.0	21.78	34.66	24.02	88.26	2.90
37.0	21.41	34.95	24.34	88.14	3.07
38.0	21.33	35.18	24.54	88.15	3.39
39.0	21.58	35.60	24.79	86.20	3.69

STATION 012

OP NUM: 931841446 LAT: 28 30.3 N LON: 94 29.9 W STATION DEPTH: 34 m



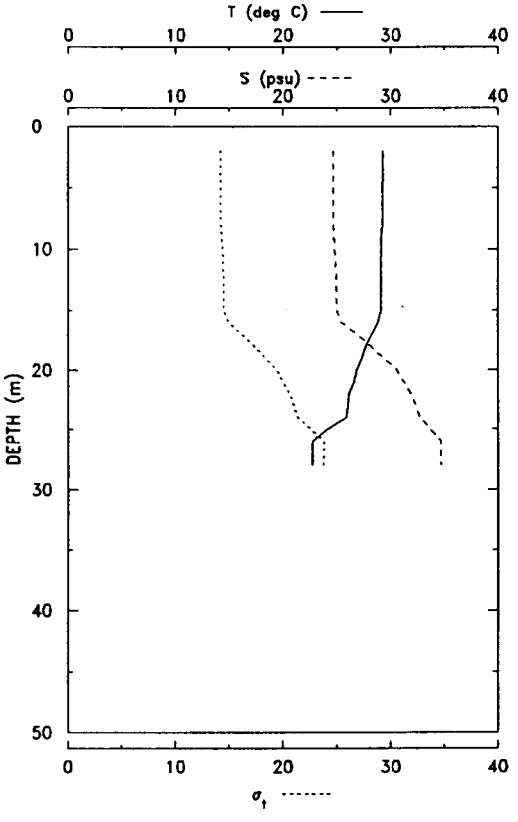


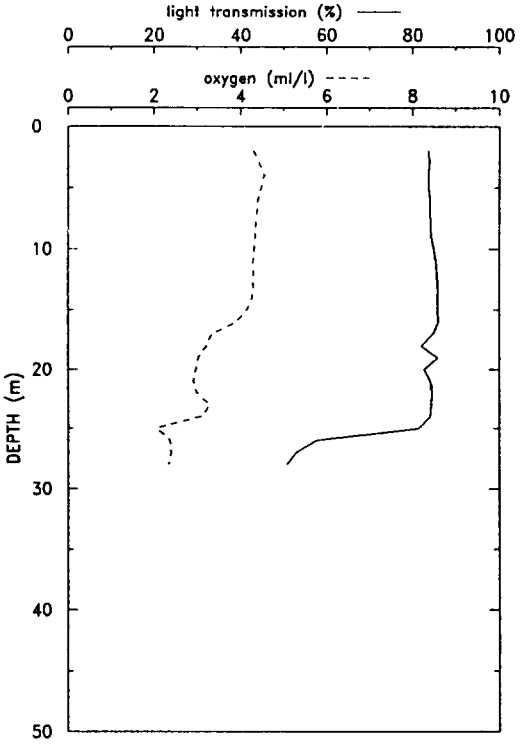
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.14	23.67	13.54	81.62	4.52
3.0	29.14	23.67	13.54	81.67	4.69
4.0	29.12	23.67	13.54	81.64	4.83
5.0	29.12	23.67	13.55	81.64	4.70
6.0	29.11	23.67	13.55	81.53	4.66
7.0	29.10	23.70	13.57	81.75	4.57
8.0	28.83	25.01	14.64	81.38	4.36
9.0	28.56	26.59	15.90	81.40	4.28
10.0	28.34	27.36	16.56	84.64	3.93
11.0	27.85	28.25	17.38	86.53	3.81
12.0	28.15	29.44	18.17	86.36	4.19
13.0	28.13	29.83	18.47	88.39	4.17
14.0	27.83	30.01	18.71	88.59	3.83
15.0	27.40	30.26	19.03	88.32	3.85
16.0	27.40	30.54	19.24	88.43	3.99
17.0	27.40	30.74	19.39	88.36	4.00

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
18.0	27.35	30.91	19.53	88.42	3.98
19.0	27.31	30.97	19.59	88.74	3.99
20.0	27.29	31.06	19.67	88.75	4.00
21.0	27.23	31.14	19.74	88.96	3.96
22.0	27.17	31.16	19.78	89.04	3.93
23.0	27.11	31.20	19.83	89.17	3.92
24.0	27.07	31.32	19.93	89.16	3.83
25.0	26.96	31.42	20.04	89.08	3.78
26.0	26.91	31.51	20.12	89.06	3.76
27.0	26.78	31.75	20.35	88.89	3.79
28.0	26.66	32.20	20.72	88.90	3.83
29.0	26.61	32.56	21.01	88.77	3.74
30.0	25.46	33.02	21.71	88.33	3.04
31.0	23.24	33.92	23.05	83.65	2.46
32.0	21.82	34.74	24.07	78.39	2.60

STATION 013

OP NUM: 931841601 LAT: 28 40.0 N LON: 94 29.9 W STATION DEPTH: 30 m



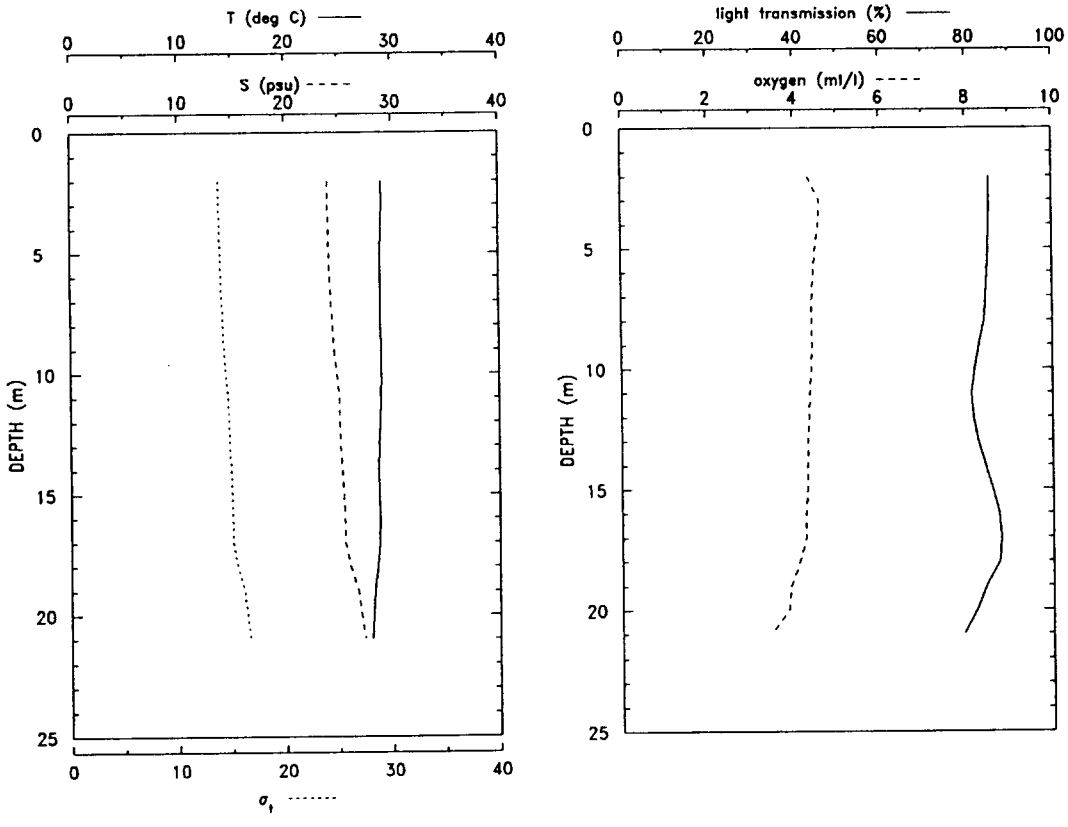


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.26	24.61	14.20	83.64	4.31
3.0	29.25	24.61	14.21	83.82	4.44
4.0	29.26	24.61	14.20	83.73	4.56
5.0	29.25	24.61	14.21	83.72	4.48
6.0	29.22	24.63	14.23	83.92	4.41
7.0	29.20	24.64	14.24	83.94	4.38
8.0	29.20	24.64	14.24	84.09	4.34
9.0	29.08	24.71	14.34	84.34	4.34
10.0	29.08	24.78	14.39	84.87	4.32
11.0	29.09	24.87	14.45	85.36	4.30
12.0	29.10	24.92	14.49	85.60	4.30
13.0	29.10	24.95	14.51	85.71	4.29
14.0	29.10	24.96	14.52	85.81	4.27
15.0	29.10	24.97	14.52	85.78	4.14

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
16.0	28.79	25.41	14.95	85.91	3.90
17.0	28.26	26.86	16.21	84.78	3.33
18.0	27.69	28.19	17.39	82.10	3.21
19.0	27.29	29.34	18.37	85.78	3.02
20.0	26.82	30.59	19.46	82.70	2.96
21.0	26.60	31.20	19.99	84.13	2.91
22.0	26.11	31.86	20.64	84.47	2.97
23.0	26.01	32.33	21.02	84.33	3.28
24.0	25.86	32.69	21.34	84.04	3.12
25.0	24.13	33.64	22.58	81.35	2.07
26.0	22.76	34.71	23.78	57.58	2.37
27.0	22.75	34.69	23.77	53.07	2.39
28.0	22.75	34.68	23.77	50.84	2.34

STATION 014

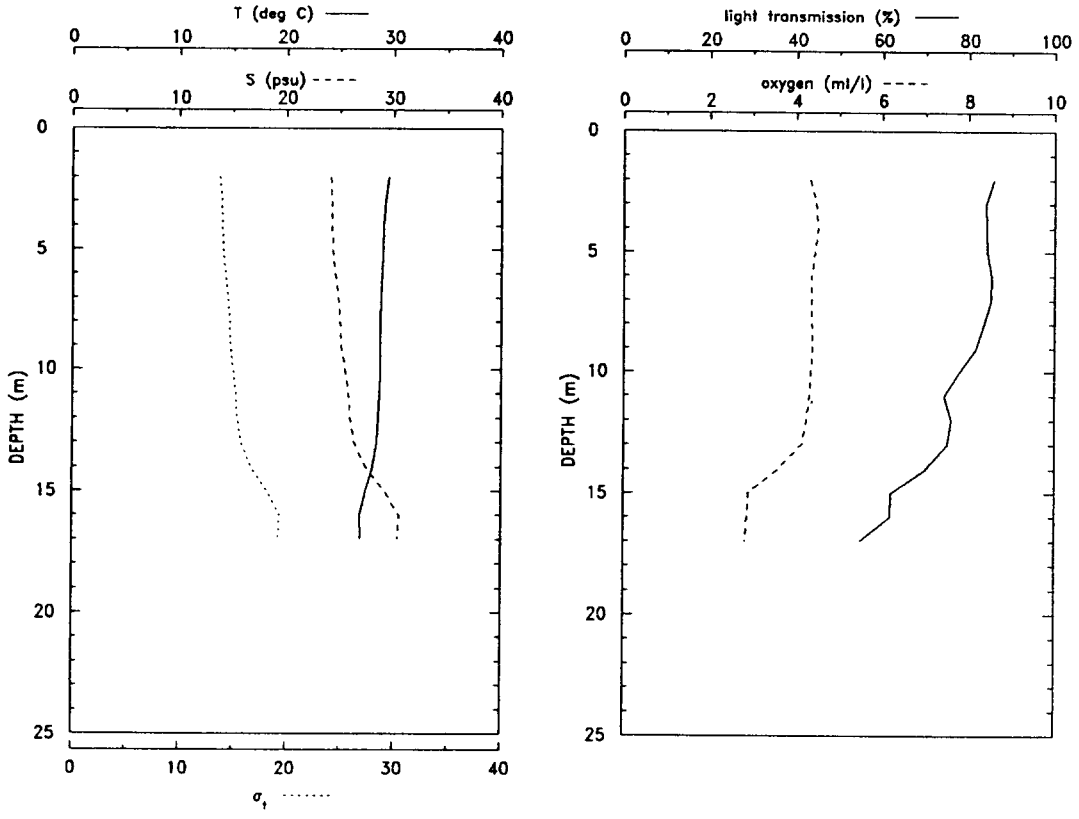
OP NUM: 931841715 LAT: 28 50.0 N LON: 94 29.9 W STATION DEPTH: 24 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.05	24.06	13.86	85.50	4.35
3.0	29.08	24.06	13.85	85.52	4.61
4.0	28.96	24.10	13.92	85.28	4.59
5.0	28.91	24.14	13.96	85.19	4.51
6.0	28.90	24.21	14.02	84.94	4.47
7.0	28.91	24.32	14.10	84.62	4.43
8.0	28.92	24.43	14.18	84.08	4.42
9.0	28.96	24.56	14.27	82.89	4.42
10.0	28.98	24.80	14.43	81.94	4.41
11.0	28.90	25.03	14.63	81.09	4.37
12.0	28.83	25.08	14.69	81.57	4.35
13.0	28.76	25.14	14.76	82.65	4.32
14.0	28.68	25.28	14.89	84.25	4.31
15.0	28.73	25.40	14.97	85.97	4.30
16.0	28.78	25.48	15.01	87.38	4.26
17.0	28.76	25.56	15.07	87.84	4.26
18.0	28.55	25.98	15.46	87.49	4.11
19.0	28.28	26.70	16.08	84.44	3.91
20.0	28.16	27.01	16.35	82.16	3.85
21.0	28.01	27.33	16.63	79.17	3.44

STATION 015

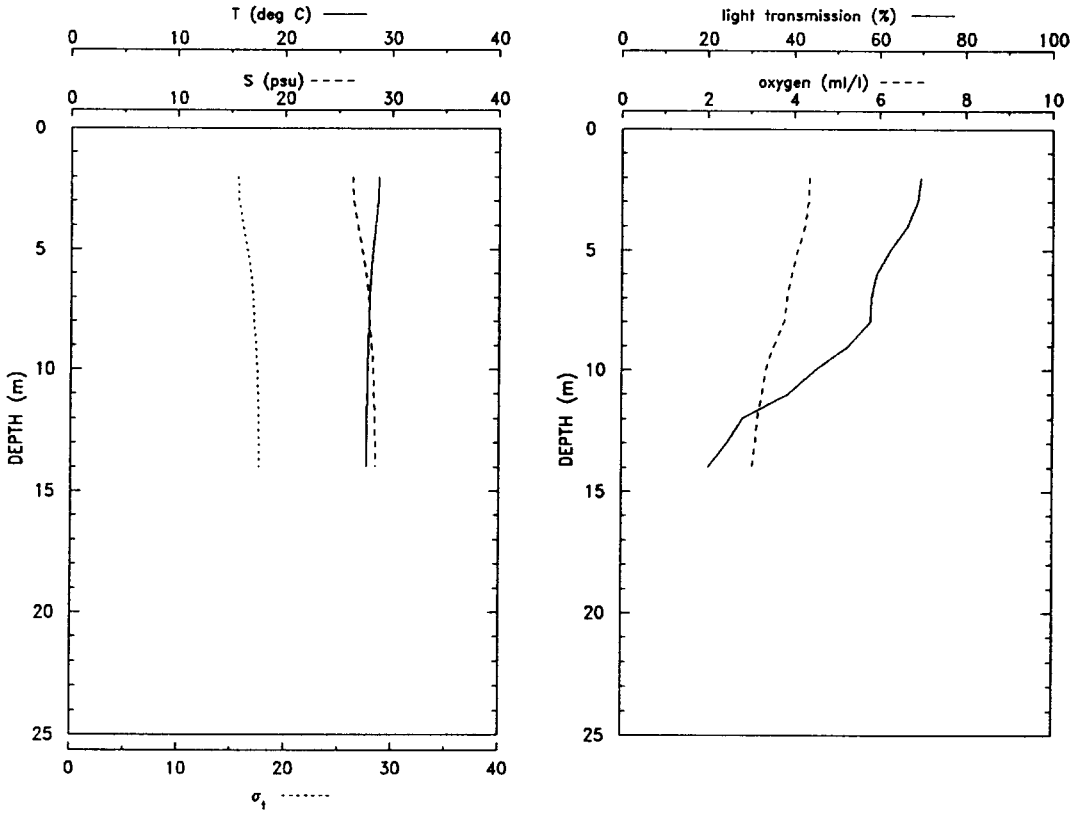
OP NUM: 931841834 LAT: 29 00.2 N LON: 94 29.9 W STATION DEPTH: 20 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.51	24.12	13.76	85.71	4.32
3.0	29.21	24.20	13.91	84.02	4.45
4.0	29.04	24.23	13.99	84.14	4.50
5.0	28.97	24.29	14.06	84.31	4.43
6.0	28.89	24.54	14.27	85.27	4.35
7.0	28.81	24.84	14.52	85.10	4.35
8.0	28.74	25.00	14.66	83.47	4.35
9.0	28.72	25.11	14.75	81.67	4.36
10.0	28.76	25.49	15.02	77.90	4.34
11.0	28.69	25.79	15.27	74.28	4.30
12.0	28.57	25.94	15.42	75.96	4.23
13.0	28.45	26.35	15.76	74.98	4.13
14.0	28.09	27.41	16.67	70.03	3.58
15.0	27.42	29.18	18.21	61.94	2.89
16.0	26.92	30.53	19.38	61.80	2.86
17.0	26.96	30.41	19.28	54.95	2.82

STATION 016

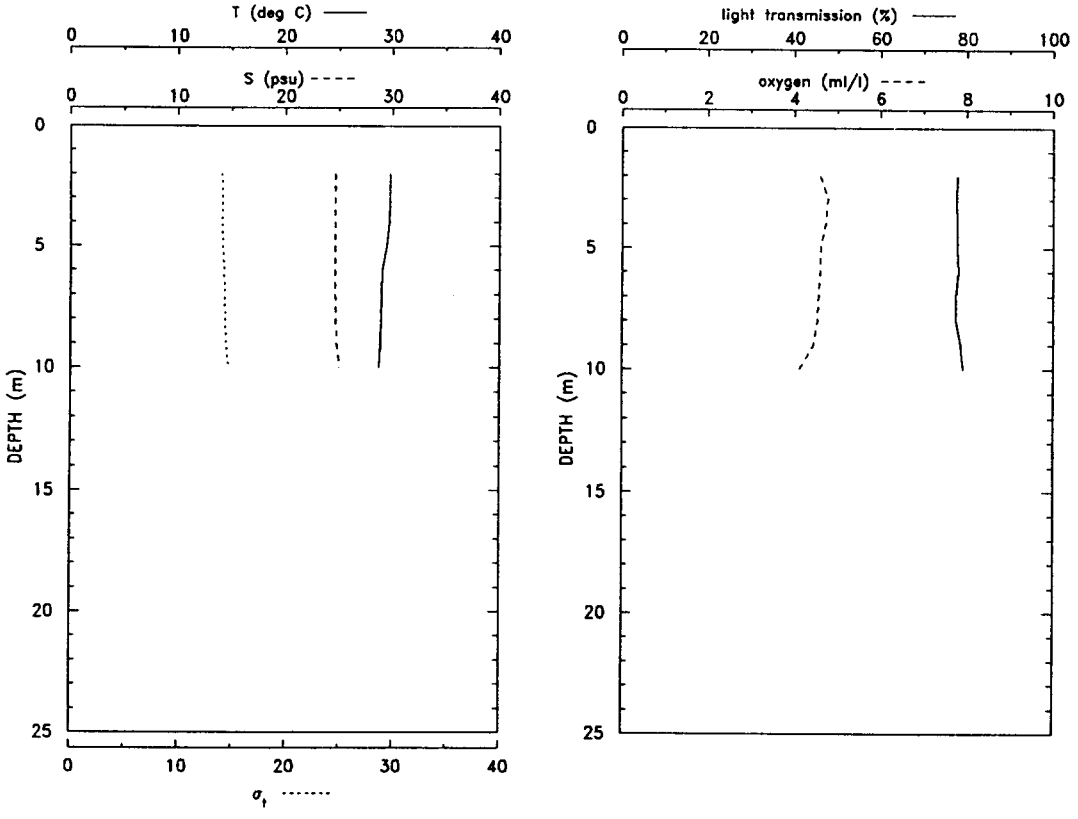
OP NUM: 931841953 LAT: 29 10.1 N LON: 94 29.7 W STATION DEPTH: 17 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	28.67	26.22	15.60	69.50	4.35
3.0	28.64	26.30	15.66	68.86	4.33
4.0	28.38	26.70	16.05	66.44	4.25
5.0	28.15	27.12	16.44	62.35	4.09
6.0	27.96	27.52	16.79	59.25	3.94
7.0	27.85	27.76	17.01	58.02	3.84
8.0	27.81	27.83	17.08	57.81	3.77
9.0	27.75	28.04	17.25	52.71	3.53
10.0	27.68	28.22	17.41	45.03	3.35
11.0	27.66	28.29	17.46	38.71	3.26
12.0	27.63	28.39	17.56	27.98	3.15
13.0	27.62	28.42	17.58	24.41	3.11
14.0	27.61	28.43	17.59	20.16	3.04

STATION 017

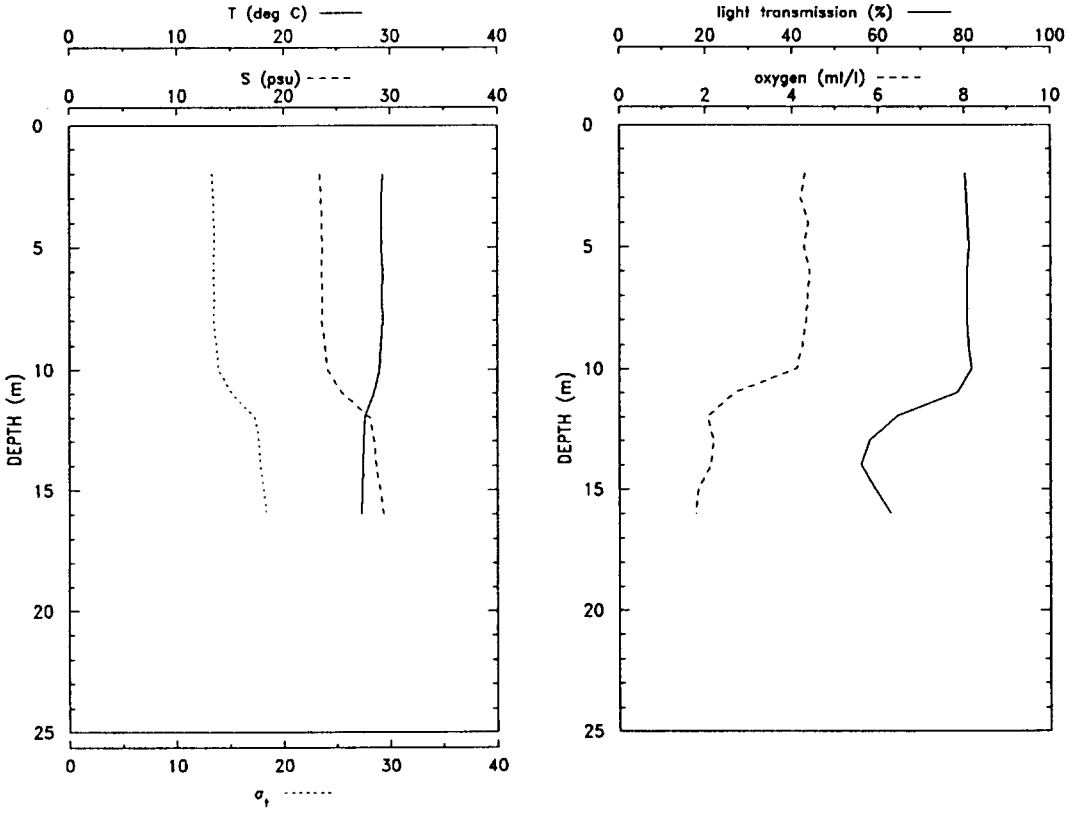
OP NUM: 931842306 LAT: 29 20.5 N LON: 93 59.8 W STATION DEPTH: 12 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.74	24.63	14.06	77.65	4.60
3.0	29.73	24.63	14.07	77.57	4.78
4.0	29.70	24.63	14.08	77.65	4.73
5.0	29.48	24.63	14.15	77.74	4.61
6.0	29.04	24.63	14.29	77.95	4.60
7.0	28.97	24.65	14.33	77.45	4.57
8.0	28.91	24.70	14.39	77.44	4.54
9.0	28.85	24.78	14.46	78.44	4.45
10.0	28.74	25.04	14.70	79.02	4.13

STATION 018

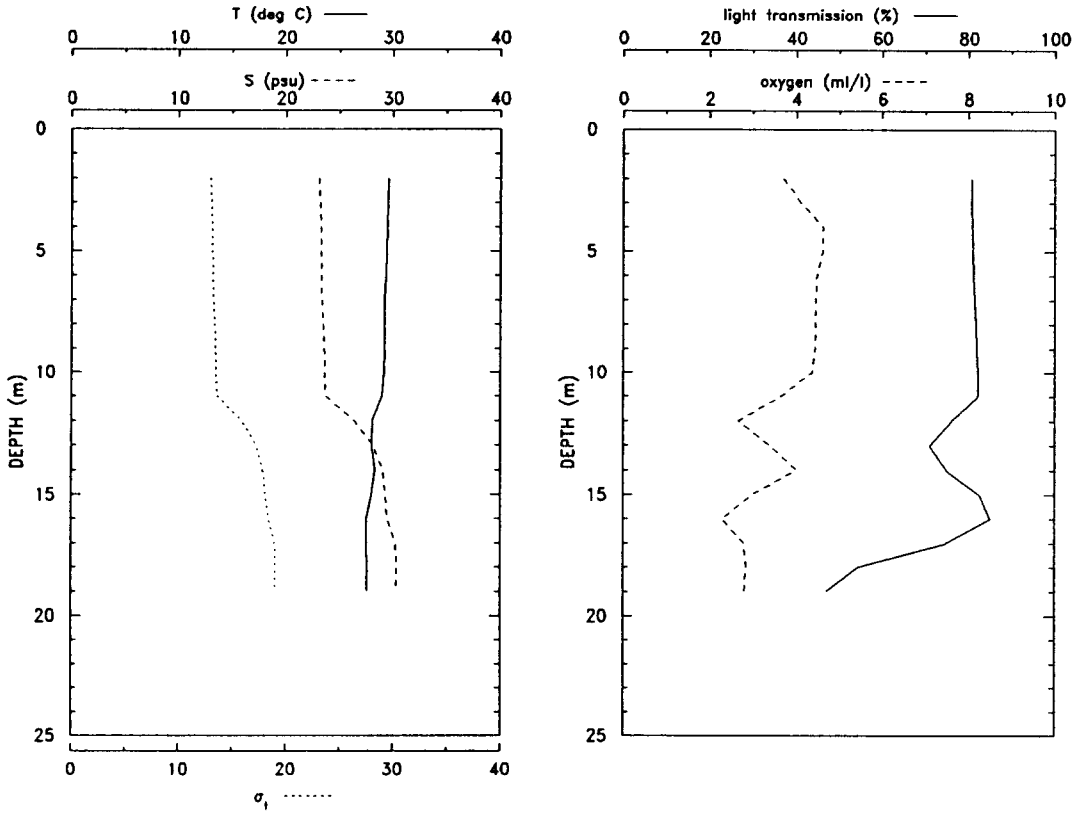
OP NUM: 931850028 LAT: 29 10.0 N LON: 94 00.0 W STATION DEPTH: 18 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.28	23.38	13.28	80.05	4.30
3.0	29.16	23.52	13.42	80.42	4.20
4.0	29.14	23.57	13.47	80.76	4.38
5.0	29.16	23.61	13.49	80.95	4.28
6.0	29.28	23.56	13.42	80.54	4.41
7.0	29.23	23.65	13.49	80.53	4.36
8.0	29.27	23.59	13.44	80.58	4.33
9.0	29.12	23.84	13.68	80.78	4.24
10.0	28.98	24.09	13.90	81.65	4.11
11.0	28.47	25.53	15.14	78.37	2.66
12.0	27.64	28.10	17.33	64.23	2.05
13.0	27.49	28.49	17.67	57.85	2.18
14.0	27.44	28.66	17.82	55.93	2.13
15.0	27.39	29.05	18.12	59.25	1.83
16.0	27.32	29.38	18.40	62.86	1.77

STATION 019

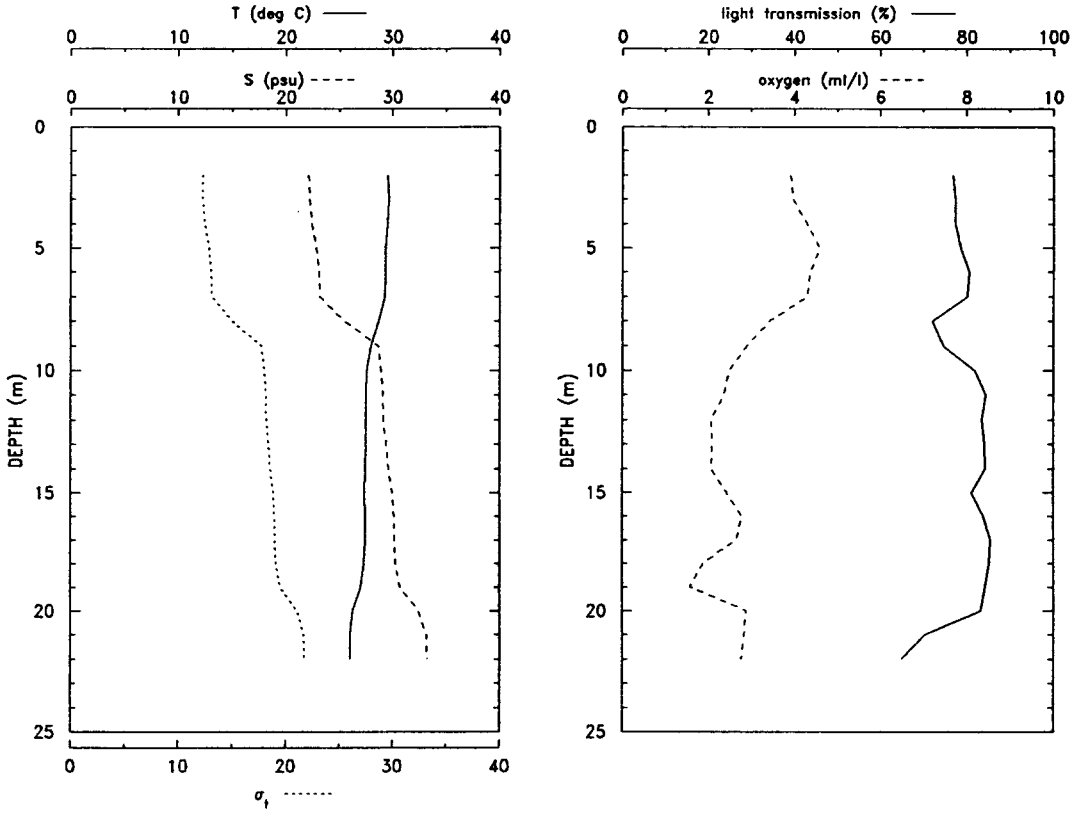
OP NUM: 931850143 LAT: 28 59.9 N LON: 93 59.9 W STATION DEPTH: 20 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.56	23.07	12.96	80.68	3.71
3.0	29.53	23.21	13.07	80.70	4.11
4.0	29.46	23.26	13.13	80.89	4.63
5.0	29.43	23.28	13.16	81.05	4.61
6.0	29.34	23.31	13.21	81.19	4.48
7.0	29.25	23.36	13.27	81.50	4.45
8.0	29.19	23.49	13.39	81.68	4.46
9.0	29.20	23.59	13.46	81.84	4.43
10.0	29.17	23.61	13.49	82.17	4.38
11.0	29.01	23.73	13.63	82.22	3.65
12.0	28.10	26.40	15.91	76.01	2.67
13.0	28.00	28.13	17.24	71.02	3.38
14.0	28.31	29.10	17.87	74.95	4.00
15.0	28.03	29.31	18.12	82.58	2.98
16.0	27.56	29.48	18.39	84.99	2.28
17.0	27.57	30.30	19.00	74.83	2.78
18.0	27.60	30.35	19.03	54.40	2.85
19.0	27.60	30.35	19.03	47.11	2.79

STATION 020

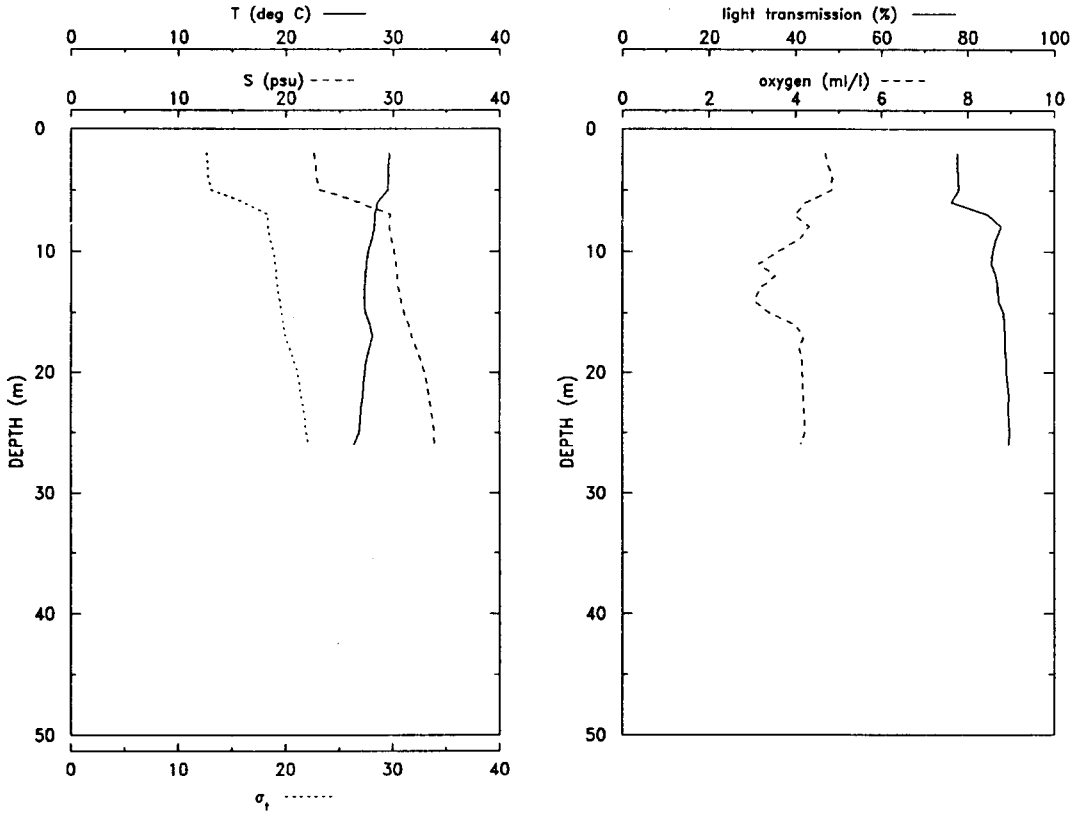
OP NUM: 931850258 LAT: 28 50.0 N LON: 94 00.0 W STATION DEPTH: 24 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.50	22.10	12.26	76.87	3.92
3.0	29.63	22.19	12.27	77.44	3.97
4.0	29.54	22.40	12.47	77.48	4.30
5.0	29.36	22.84	12.85	78.62	4.60
6.0	29.35	23.09	13.04	80.55	4.38
7.0	29.27	23.15	13.11	80.14	4.31
8.0	28.70	25.44	15.00	72.07	3.44
9.0	27.98	28.69	17.67	74.59	2.90
10.0	27.56	28.92	17.97	81.87	2.49
11.0	27.48	29.11	18.14	84.38	2.36
12.0	27.48	29.17	18.18	83.56	2.06
13.0	27.48	29.42	18.37	84.17	2.09
14.0	27.42	29.65	18.56	84.21	2.07
15.0	27.36	29.98	18.83	81.15	2.42
16.0	27.46	30.18	18.95	83.83	2.78
17.0	27.45	30.19	18.96	85.43	2.65
18.0	27.32	30.32	19.10	85.16	1.88
19.0	27.04	30.72	19.48	84.33	1.57
20.0	26.22	32.46	21.05	83.23	2.88
21.0	26.01	33.20	21.68	70.36	2.83
22.0	26.00	33.25	21.71	65.01	2.78

STATION 021

OP NUM: 931850430 LAT: 28 40.1 N LON: 94 00.0 W STATION DEPTH: 30 m

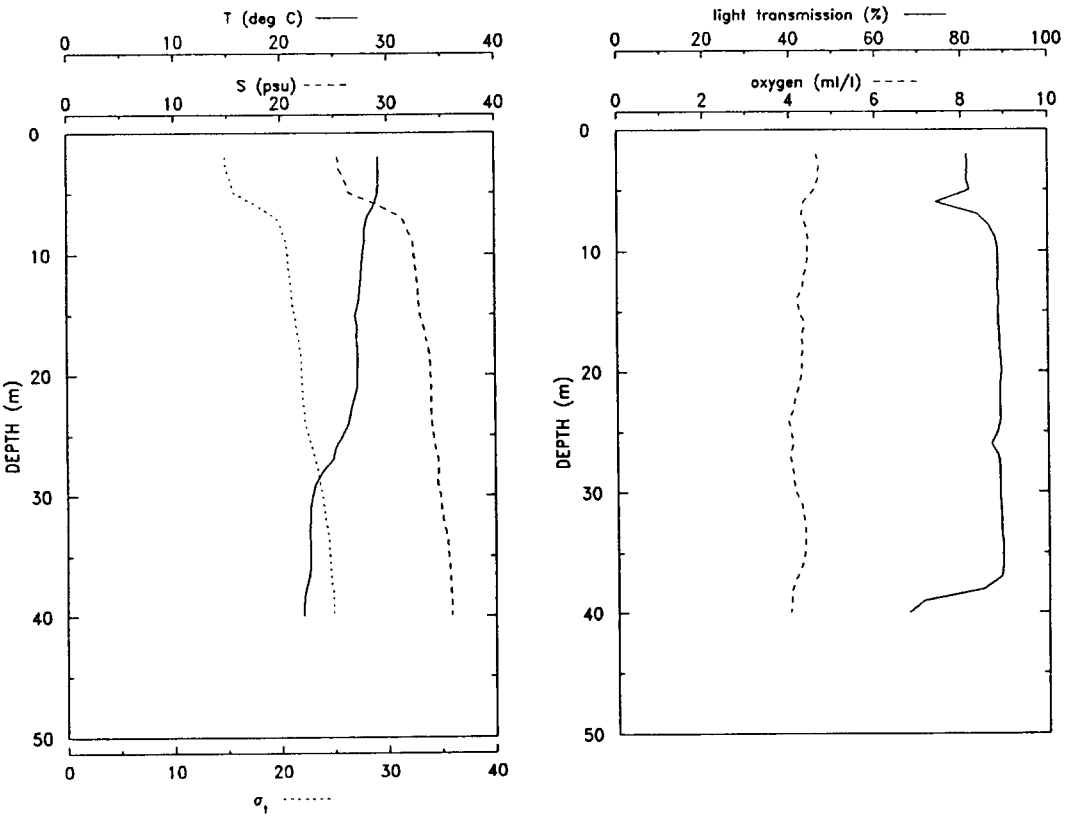


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.62	22.61	12.60	77.50	4.69
3.0	29.58	22.78	12.73	77.56	4.76
4.0	29.57	22.84	12.78	77.73	4.85
5.0	29.50	23.17	13.05	77.83	4.84
6.0	28.58	26.80	16.05	76.30	4.24
7.0	28.32	29.74	18.35	84.50	3.98
8.0	28.25	29.67	18.31	87.64	4.31
9.0	28.04	29.87	18.54	86.50	4.10
10.0	27.70	30.14	18.84	85.78	3.59
11.0	27.50	30.30	19.03	85.45	3.15
12.0	27.46	30.41	19.12	86.45	3.54
13.0	27.32	30.50	19.24	87.01	3.17
14.0	27.33	30.78	19.44	87.06	3.04

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
15.0	27.44	31.05	19.61	88.22	3.38
16.0	27.86	31.49	19.80	88.51	3.99
17.0	28.09	31.81	19.97	88.61	4.19
18.0	27.76	32.22	20.38	88.62	4.09
19.0	27.48	32.60	20.76	88.90	4.15
20.0	27.35	33.01	21.11	88.93	4.16
21.0	27.27	33.22	21.30	89.13	4.17
22.0	27.19	33.39	21.45	89.43	4.18
23.0	27.00	33.58	21.66	89.40	4.19
24.0	26.93	33.74	21.79	89.53	4.22
25.0	26.85	33.86	21.91	89.64	4.21
26.0	26.37	33.93	22.11	89.49	4.13

STATION 022

OP NUM: 931851238 LAT: 28 29.9 N LON: 93 59.9 W STATION DEPTH: 42 m

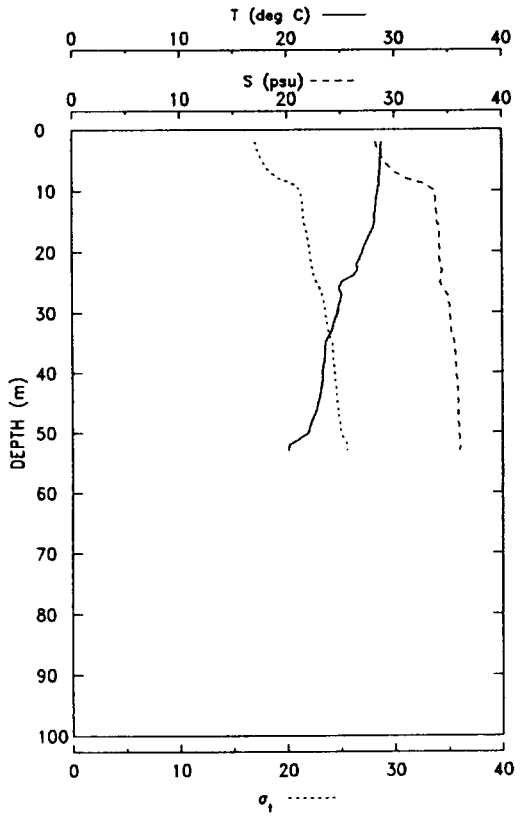


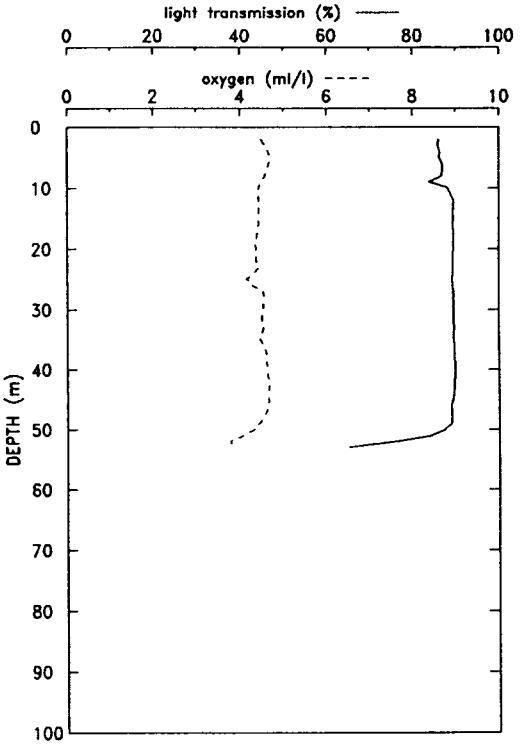
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.16	25.37	14.80	81.29	4.63
3.0	29.16	25.50	14.90	81.50	4.68
4.0	29.15	26.06	15.32	81.07	4.68
5.0	29.11	26.46	15.63	81.84	4.57
6.0	28.77	29.20	17.79	74.21	4.33
7.0	28.07	31.35	19.63	83.80	4.29
8.0	27.86	31.92	20.13	86.71	4.40
9.0	27.83	32.39	20.49	88.06	4.43
10.0	27.70	32.51	20.62	88.43	4.42
11.0	27.64	32.59	20.70	88.49	4.41
12.0	27.52	32.74	20.86	88.46	4.33
13.0	27.37	32.85	20.98	88.26	4.31
14.0	27.27	32.91	21.06	88.52	4.18
15.0	26.93	33.06	21.28	88.37	4.25
16.0	27.11	33.36	21.45	88.50	4.35
17.0	27.11	33.60	21.63	88.69	4.28
18.0	27.20	33.87	21.80	88.75	4.30
19.0	27.19	33.98	21.89	88.98	4.29
20.0	27.16	34.01	21.92	89.11	4.28
21.0	27.13	34.03	21.95	88.85	4.23

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
22.0	26.85	34.03	22.04	88.95	4.14
23.0	26.56	34.05	22.15	88.88	4.10
24.0	26.30	34.10	22.26	88.93	3.97
25.0	25.79	34.25	22.54	88.26	4.03
26.0	25.10	34.43	22.88	86.82	4.07
27.0	24.88	34.70	23.16	88.41	4.00
28.0	23.88	34.71	23.45	88.81	4.07
29.0	23.18	34.65	23.62	88.76	4.08
30.0	22.90	34.87	23.86	88.69	4.14
31.0	22.73	34.97	23.99	88.87	4.28
32.0	22.76	35.14	24.11	88.98	4.32
33.0	22.64	35.41	24.35	89.08	4.35
34.0	22.65	35.56	24.46	89.27	4.34
35.0	22.64	35.63	24.51	89.29	4.34
36.0	22.64	35.72	24.58	89.26	4.28
37.0	22.50	35.76	24.65	89.10	4.16
38.0	22.20	35.86	24.82	85.09	4.05
39.0	22.10	35.90	24.88	71.07	4.02
40.0	22.09	35.90	24.88	67.64	4.00

STATION 023

OP NUM: 931851403 LAT: 28 20.0 N LON: 94 00.0 W STATION DEPTH: 54 m



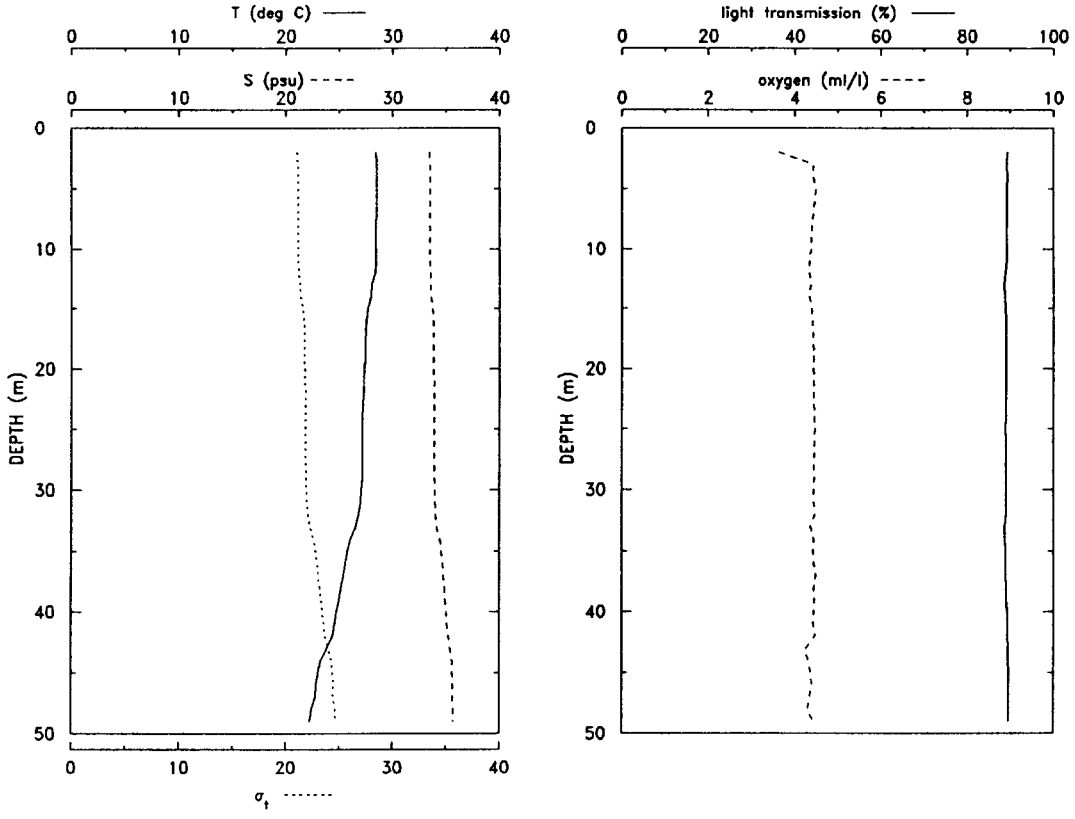


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	28.79	28.24	17.07	86.11	4.50
3.0	28.76	28.42	17.21	85.97	4.58
4.0	28.73	28.70	17.43	86.42	4.66
5.0	28.70	28.94	17.63	86.18	4.71
6.0	28.66	29.45	18.02	86.90	4.67
7.0	28.60	30.06	18.49	86.94	4.61
8.0	28.56	31.11	19.30	86.74	4.58
9.0	28.56	33.02	20.73	83.75	4.49
10.0	28.44	33.65	21.24	88.20	4.44
11.0	28.31	33.79	21.39	88.94	4.43
12.0	28.25	33.84	21.44	89.43	4.43
13.0	28.19	33.89	21.50	89.44	4.43
14.0	28.16	33.90	21.52	89.39	4.44
15.0	28.12	33.93	21.55	89.45	4.44
16.0	28.02	34.15	21.75	89.37	4.43
17.0	27.74	34.15	21.84	89.47	4.41
18.0	27.50	34.19	21.95	89.43	4.40
19.0	27.20	34.19	22.05	89.41	4.36
20.0	27.03	34.20	22.11	89.42	4.37
21.0	26.75	34.17	22.17	89.37	4.37
22.0	26.46	34.22	22.30	89.34	4.38
23.0	26.56	34.37	22.39	89.37	4.44
24.0	26.13	34.33	22.48	89.38	4.34
25.0	25.02	34.24	22.76	89.13	4.16
26.0	24.81	34.47	23.00	89.28	4.29
27.0	25.03	34.88	23.25	89.44	4.55

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
28.0	24.95	35.05	23.40	89.51	4.56
29.0	24.76	35.12	23.51	89.48	4.55
30.0	24.67	35.13	23.54	89.52	4.54
31.0	24.46	35.17	23.63	89.48	4.52
32.0	24.25	35.22	23.73	89.54	4.51
33.0	24.14	35.26	23.80	89.58	4.54
34.0	23.81	35.40	24.01	89.54	4.51
35.0	23.55	35.56	24.20	89.50	4.47
36.0	23.52	35.59	24.23	89.63	4.56
37.0	23.48	35.62	24.27	89.63	4.60
38.0	23.42	35.65	24.31	89.68	4.61
39.0	23.32	35.69	24.37	89.73	4.62
40.0	23.26	35.73	24.41	89.74	4.64
41.0	23.25	35.75	24.43	89.76	4.65
42.0	23.20	35.79	24.48	89.65	4.67
43.0	23.10	35.83	24.53	89.62	4.67
44.0	23.01	35.86	24.58	89.48	4.66
45.0	22.84	35.87	24.64	89.38	4.65
46.0	22.70	35.87	24.68	88.92	4.65
47.0	22.56	35.87	24.72	89.01	4.61
48.0	22.26	35.91	24.84	89.00	4.55
49.0	22.10	35.93	24.89	89.02	4.45
50.0	21.97	35.94	24.94	87.53	4.33
51.0	21.11	36.00	25.22	84.39	4.07
52.0	20.15	36.06	25.53	76.21	3.78
53.0	20.12	36.03	25.52	65.20	3.86

STATION 024

OP NUM: 931851707 LAT: 28 19.6 N LON: 93 29.9 W STATION DEPTH: 58 m

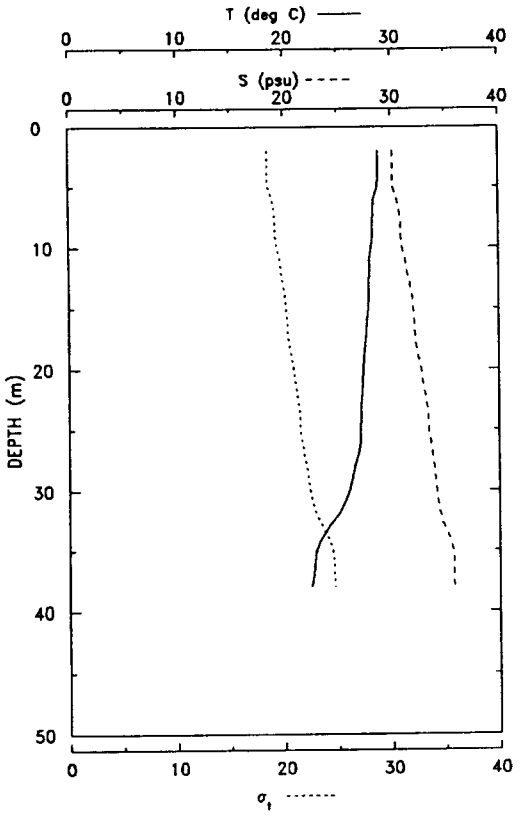


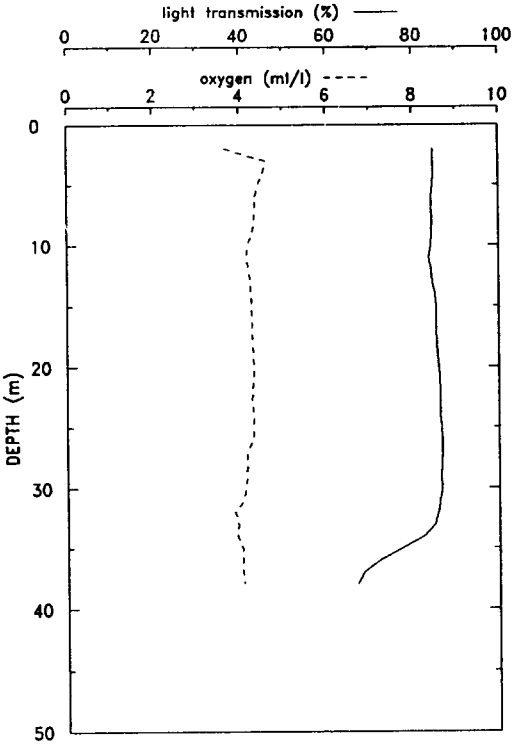
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	28.46	33.42	21.06	89.26	3.64
3.0	28.48	33.49	21.11	89.25	4.43
4.0	28.48	33.50	21.11	89.30	4.44
5.0	28.49	33.50	21.11	89.23	4.50
6.0	28.48	33.49	21.11	89.24	4.47
7.0	28.48	33.49	21.11	89.23	4.44
8.0	28.47	33.49	21.11	89.25	4.41
9.0	28.46	33.49	21.11	89.23	4.40
10.0	28.45	33.49	21.12	89.21	4.39
11.0	28.43	33.50	21.12	89.12	4.34
12.0	28.37	33.55	21.19	88.91	4.34
13.0	28.04	33.55	21.30	88.66	4.37
14.0	27.95	33.61	21.37	88.72	4.35
15.0	27.66	33.73	21.55	88.82	4.40
16.0	27.53	33.85	21.68	88.99	4.43
17.0	27.48	33.85	21.70	89.02	4.43
18.0	27.45	33.86	21.71	89.00	4.44
19.0	27.43	33.87	21.73	88.99	4.45
20.0	27.40	33.88	21.75	89.02	4.44
21.0	27.33	33.91	21.79	89.02	4.45
22.0	27.30	33.92	21.81	89.05	4.45
23.0	27.25	33.93	21.84	89.05	4.45
24.0	27.22	33.94	21.85	88.99	4.47
25.0	27.21	33.95	21.86	88.94	4.47

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
26.0	27.21	33.95	21.86	88.99	4.47
27.0	27.21	33.95	21.86	88.98	4.47
28.0	27.21	33.95	21.86	88.97	4.45
29.0	27.18	33.95	21.88	89.00	4.46
30.0	27.09	33.98	21.92	89.00	4.45
31.0	27.00	33.99	21.96	89.00	4.45
32.0	26.83	34.06	22.06	88.97	4.48
33.0	26.56	34.18	22.24	88.81	4.37
34.0	26.04	34.45	22.61	88.70	4.45
35.0	25.77	34.59	22.80	88.83	4.44
36.0	25.56	34.70	22.94	88.87	4.45
37.0	25.41	34.77	23.05	88.92	4.50
38.0	25.17	34.87	23.20	88.99	4.45
39.0	24.99	34.95	23.31	89.09	4.47
40.0	24.76	35.04	23.44	89.28	4.45
41.0	24.59	35.12	23.55	89.37	4.43
42.0	24.40	35.21	23.69	89.39	4.49
43.0	23.86	35.40	23.99	89.46	4.27
44.0	23.28	35.58	24.29	89.45	4.31
45.0	23.01	35.62	24.40	89.59	4.38
46.0	22.86	35.64	24.46	89.63	4.40
47.0	22.82	35.64	24.47	89.68	4.36
48.0	22.46	35.70	24.62	89.69	4.32
49.0	22.26	35.72	24.70	89.57	4.43

STATION 025

OP NUM: 931851829 LAT: 28 30.1 N LON: 93 30.0 W STATION DEPTH: 43 m



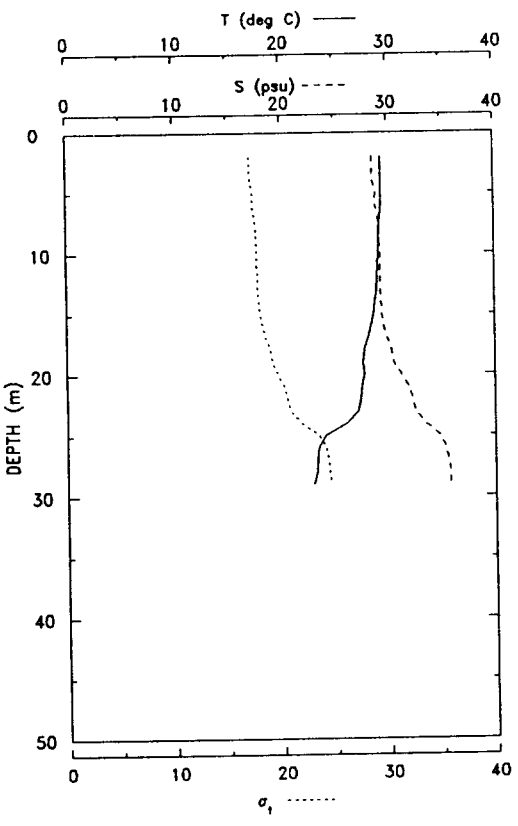


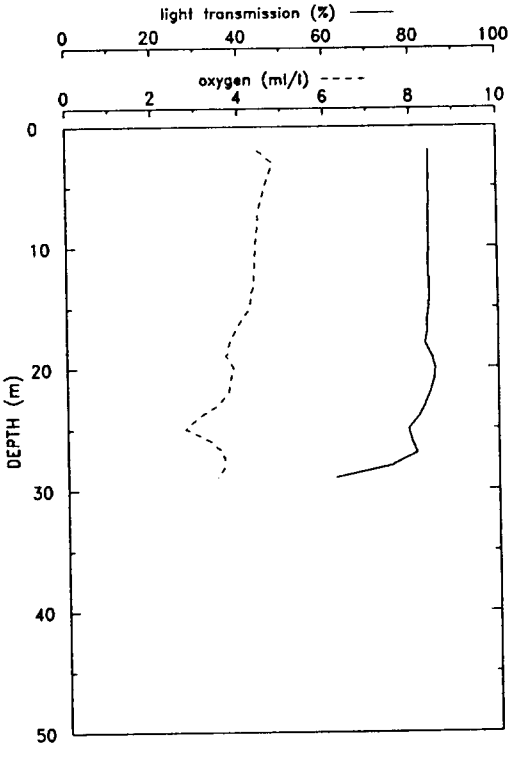
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	28.83	30.16	18.49	84.87	3.67
3.0	28.81	30.17	18.51	84.86	4.61
4.0	28.81	30.17	18.51	84.84	4.55
5.0	28.75	30.19	18.54	84.67	4.44
6.0	28.38	30.54	18.93	84.43	4.38
7.0	28.31	30.79	19.13	84.38	4.36
8.0	28.29	30.87	19.20	84.56	4.34
9.0	28.27	30.89	19.23	84.46	4.31
10.0	28.18	31.03	19.36	84.28	4.20
11.0	27.97	31.31	19.64	83.87	4.16
12.0	27.94	31.47	19.76	84.28	4.21
13.0	27.94	31.73	19.96	84.51	4.25
14.0	27.90	31.94	20.13	85.17	4.27
15.0	27.85	32.02	20.21	85.41	4.27
16.0	27.74	32.12	20.32	85.39	4.29
17.0	27.69	32.17	20.37	85.48	4.29
18.0	27.57	32.29	20.50	85.64	4.30
19.0	27.45	32.52	20.71	85.82	4.32
20.0	27.37	32.72	20.89	86.10	4.33

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
21.0	27.34	32.88	21.02	86.24	4.33
22.0	27.25	33.08	21.20	86.30	4.31
23.0	27.16	33.27	21.36	86.35	4.29
24.0	27.13	33.40	21.47	86.40	4.33
25.0	27.11	33.43	21.51	86.71	4.32
26.0	27.05	33.62	21.66	86.77	4.32
27.0	26.90	33.77	21.83	86.81	4.17
28.0	26.54	33.94	22.07	86.65	4.17
29.0	26.30	34.03	22.21	86.54	4.16
30.0	26.01	34.14	22.38	86.58	4.13
31.0	25.62	34.27	22.61	86.22	4.08
32.0	24.99	34.49	22.96	85.71	3.87
33.0	24.11	34.86	23.50	84.97	3.96
34.0	23.41	35.37	24.10	82.50	3.93
35.0	22.91	35.67	24.47	77.45	4.05
36.0	22.76	35.71	24.55	72.37	4.05
37.0	22.65	35.73	24.59	68.42	4.06
38.0	22.50	35.75	24.65	67.10	4.08

STATION 026

OP NUM: 931851955 LAT: 28 40.0 N LON: 93 29.6 W STATION DEPTH: 31 m



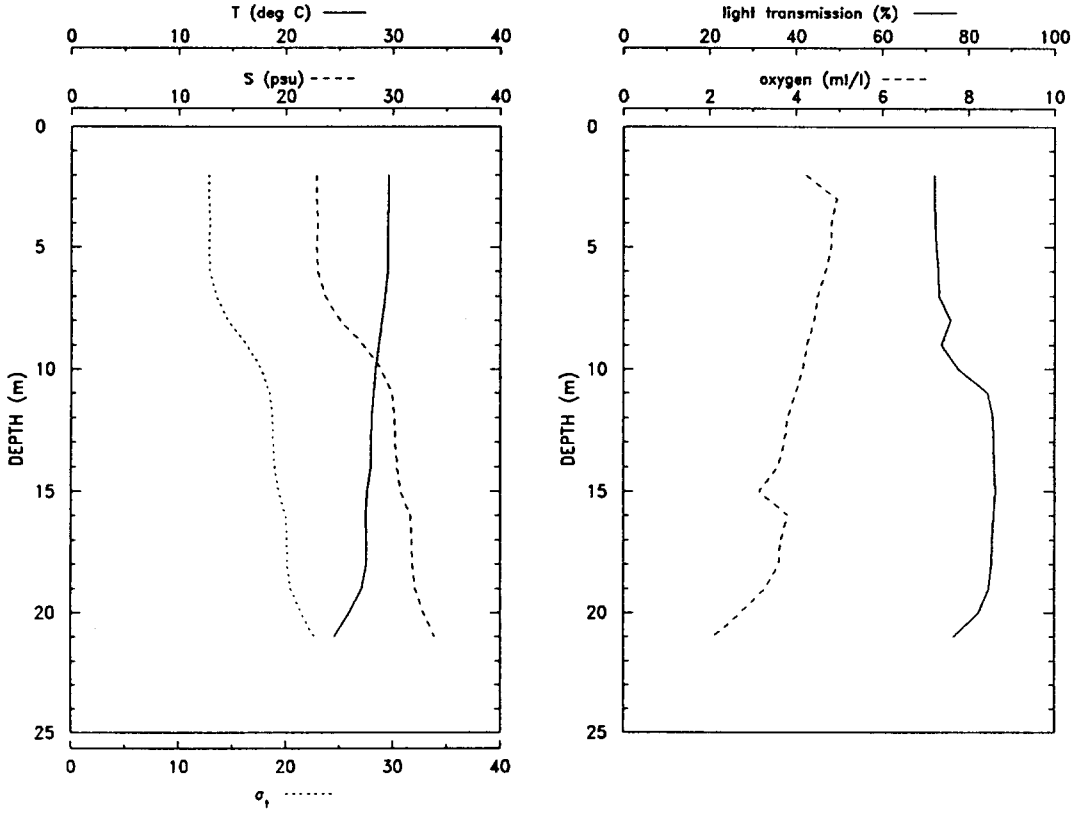


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.42	28.63	17.15	84.21	4.46
3.0	29.42	28.62	17.14	84.29	4.80
4.0	29.41	28.65	17.17	84.25	4.72
5.0	29.38	28.90	17.37	84.16	4.62
6.0	29.38	28.87	17.35	84.23	4.54
7.0	29.26	29.11	17.57	84.14	4.46
8.0	29.17	29.23	17.69	84.10	4.45
9.0	29.15	29.25	17.70	84.14	4.42
10.0	29.07	29.26	17.74	84.08	4.39
11.0	29.03	29.26	17.75	84.04	4.38
12.0	28.99	29.26	17.77	83.98	4.35
13.0	28.95	29.27	17.79	84.10	4.34
14.0	28.74	29.36	17.92	84.09	4.28
15.0	28.63	29.43	18.01	84.02	4.25

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
16.0	28.39	29.59	18.21	83.55	4.05
17.0	28.08	29.88	18.52	83.49	3.88
18.0	27.75	30.28	18.93	83.06	3.76
19.0	27.63	30.48	19.12	84.54	3.68
20.0	27.72	31.16	19.60	85.34	3.86
21.0	27.49	31.87	20.20	84.96	3.78
22.0	27.36	32.20	20.50	84.14	3.73
23.0	27.11	32.46	20.77	82.94	3.50
24.0	26.05	33.32	21.75	81.41	3.03
25.0	24.02	34.76	23.45	79.04	2.73
26.0	23.36	35.30	24.06	79.77	3.31
27.0	23.28	35.57	24.28	81.01	3.60
28.0	23.23	35.70	24.40	75.45	3.64
29.0	22.92	35.72	24.50	62.12	3.46

STATION 027

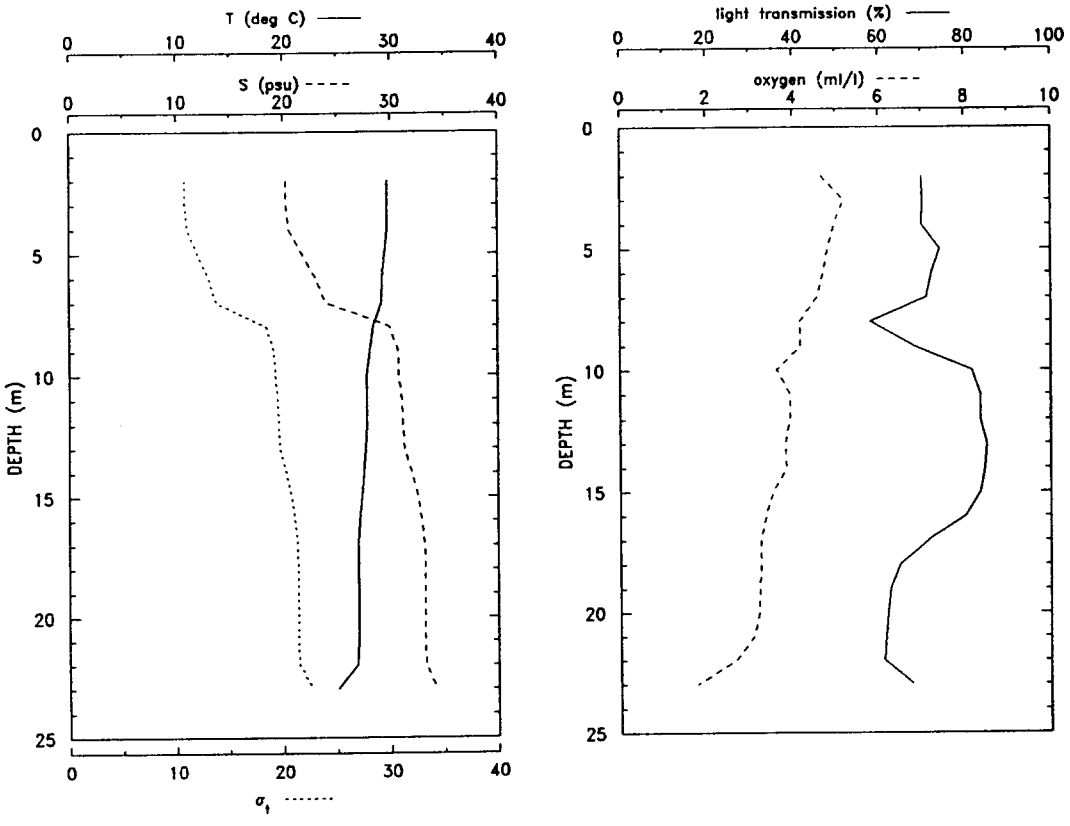
OP NUM: 931852116 LAT: 28 49.9 N LON: 93 29.9 W STATION DEPTH: 23 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.56	22.82	12.77	72.07	4.24
3.0	29.56	22.87	12.81	72.06	4.95
4.0	29.52	22.96	12.89	72.20	4.82
5.0	29.54	22.88	12.82	72.52	4.82
6.0	29.49	22.99	12.92	73.00	4.69
7.0	29.28	23.67	13.49	73.11	4.51
8.0	28.97	25.03	14.61	75.76	4.42
9.0	28.69	27.28	16.38	73.72	4.26
10.0	28.40	28.92	17.70	77.52	4.16
11.0	28.19	29.91	18.51	84.39	3.99
12.0	28.04	30.16	18.75	85.54	3.81
13.0	27.97	30.25	18.84	85.82	3.74
14.0	27.97	30.42	18.97	85.94	3.59
15.0	27.58	30.74	19.33	86.20	3.13
16.0	27.50	31.63	20.03	85.72	3.82
17.0	27.57	31.79	20.12	85.47	3.64
18.0	27.53	31.82	20.16	85.35	3.61
19.0	27.11	32.09	20.50	84.69	3.29
20.0	25.95	32.87	21.45	82.35	2.74
21.0	24.58	33.95	22.67	76.56	2.09

STATION 028

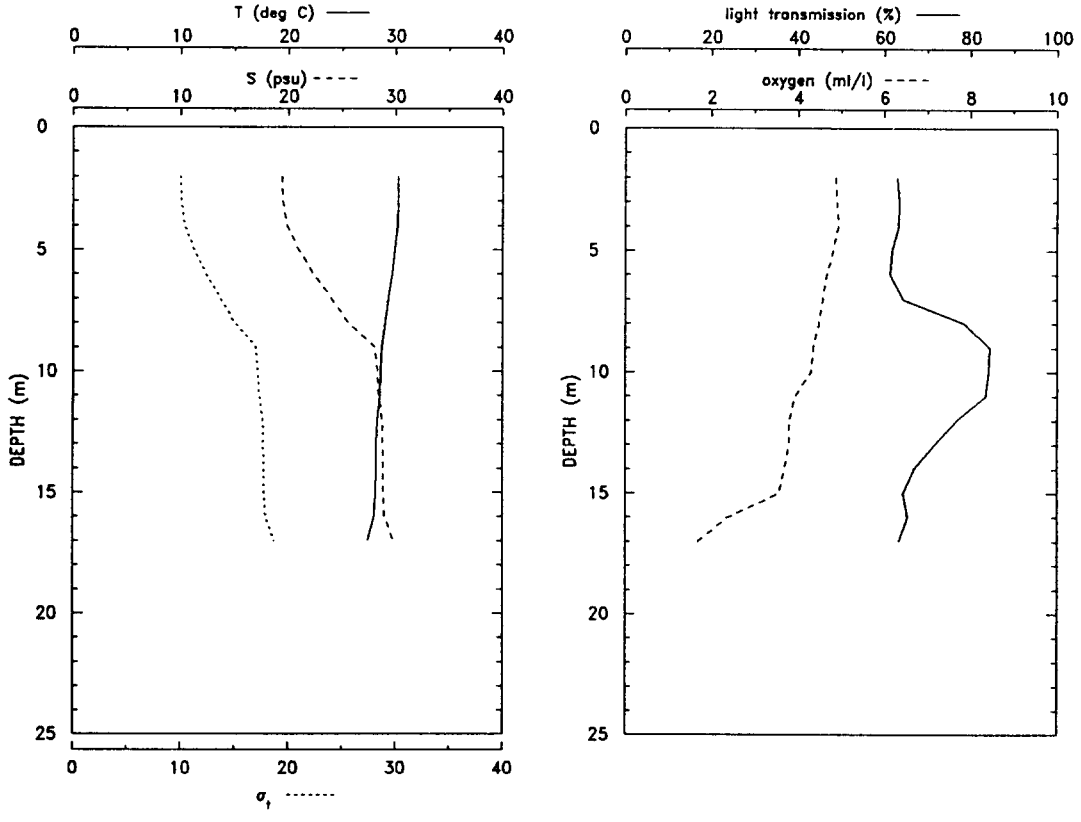
OP NUM: 931852235 LAT: 29 00.0 N LON: 93 29.9 W STATION DEPTH: 23 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.72	20.27	10.82	70.12	4.67
3.0	29.72	20.27	10.82	70.26	5.20
4.0	29.68	20.54	11.03	70.13	4.97
5.0	29.48	21.79	12.03	74.23	4.82
6.0	29.21	23.05	13.06	72.35	4.72
7.0	29.15	23.96	13.75	71.16	4.57
8.0	28.39	29.89	18.44	58.02	4.18
9.0	28.11	30.73	19.15	68.03	4.19
10.0	27.81	30.78	19.29	81.79	3.64
11.0	27.81	31.06	19.50	83.70	3.95
12.0	27.79	31.15	19.57	83.70	3.94
13.0	27.70	31.28	19.70	85.17	3.83
14.0	27.50	31.95	20.27	84.76	3.85
15.0	27.29	32.51	20.76	83.71	3.55
16.0	27.08	32.87	21.09	80.22	3.38
17.0	26.97	33.13	21.32	71.62	3.27
18.0	26.96	33.15	21.34	64.86	3.26
19.0	26.96	33.15	21.34	62.75	3.23
20.0	26.96	33.15	21.34	62.08	3.21
21.0	26.95	33.15	21.34	61.70	3.10
22.0	26.82	33.20	21.43	61.14	2.68
23.0	25.06	34.14	22.68	67.86	1.79

STATION 029

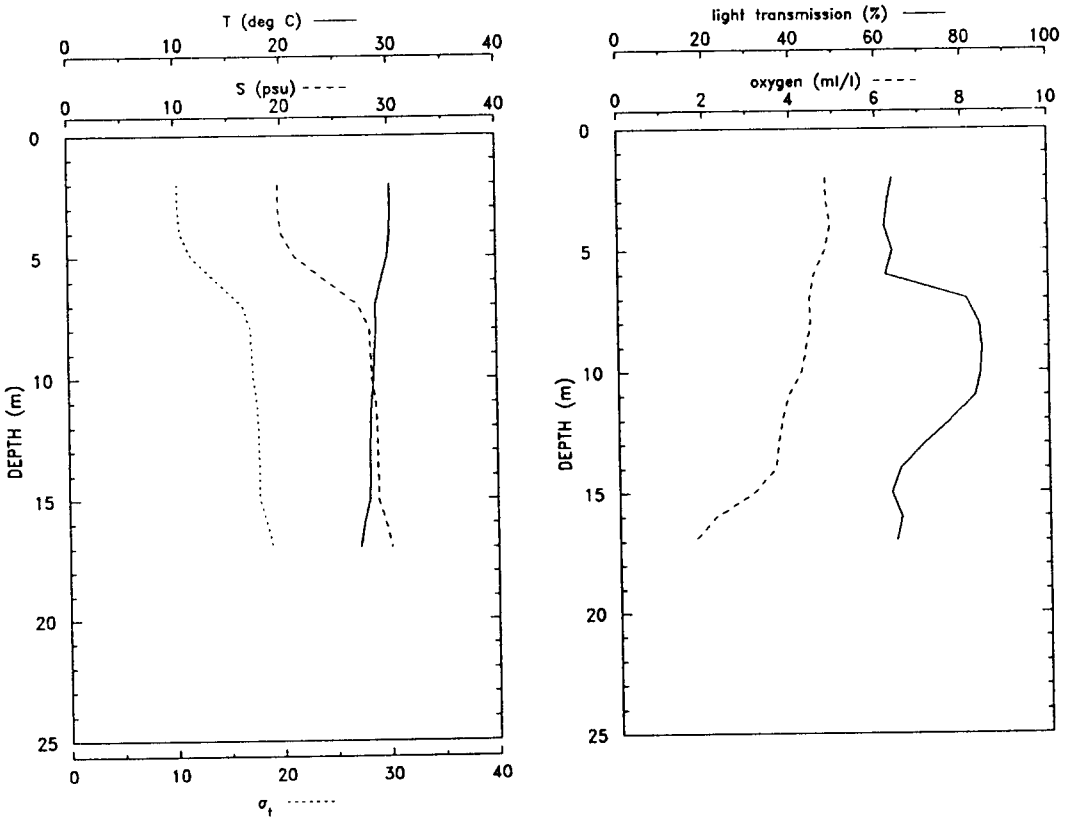
OP NUM: 931852355 LAT: 29 10.0 N LON: 93 29.9 W STATION DEPTH: 20 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	30.24	19.40	10.00	62.98	4.86
3.0	30.24	19.44	10.03	63.44	4.90
4.0	30.16	19.88	10.39	63.30	4.93
5.0	29.95	20.97	11.26	61.73	4.81
6.0	29.69	22.32	12.36	61.34	4.66
7.0	29.36	23.99	13.71	64.39	4.57
8.0	29.06	25.58	14.99	78.64	4.48
9.0	28.76	28.11	16.98	84.48	4.35
10.0	28.65	28.31	17.16	84.19	4.30
11.0	28.55	28.44	17.30	83.32	3.93
12.0	28.30	28.77	17.63	76.70	3.81
13.0	28.22	28.83	17.69	71.67	3.79
14.0	28.21	28.84	17.71	66.90	3.68
15.0	28.16	28.89	17.76	64.31	3.57
16.0	28.02	29.00	17.89	65.32	2.38
17.0	27.41	29.83	18.70	63.49	1.68

STATION 030

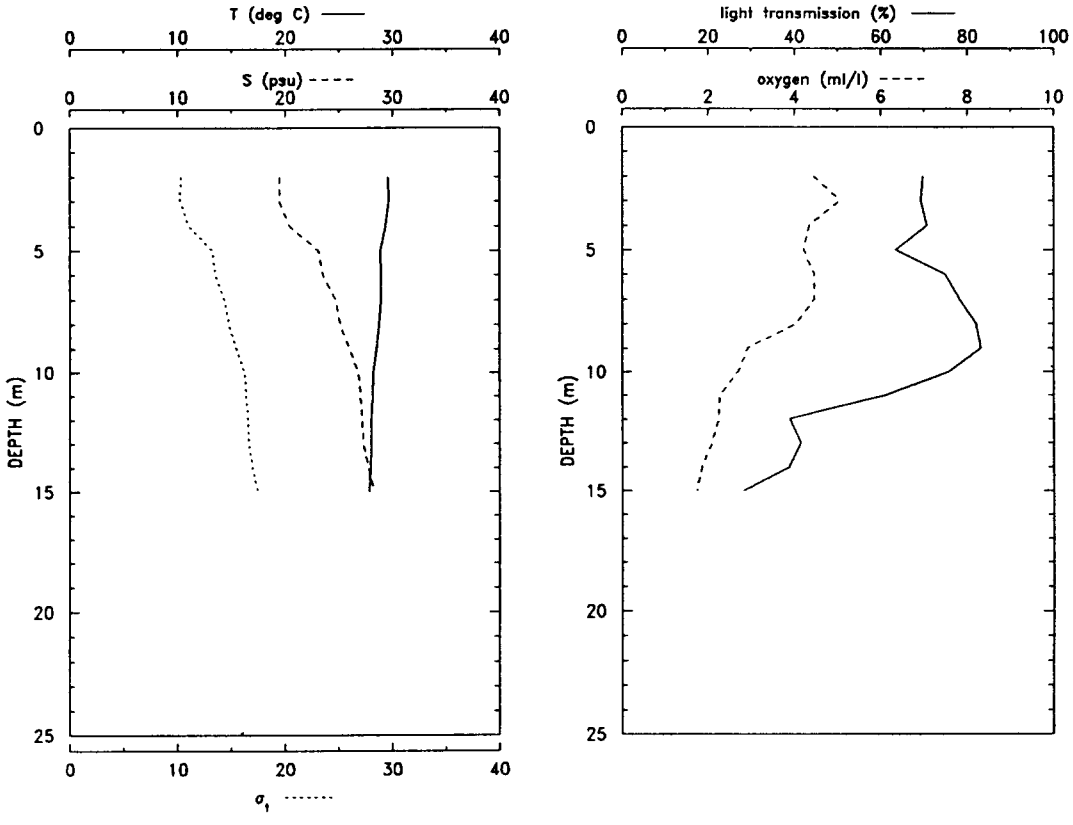
OP NUM: 931860007 LAT: 29 10.0 N LON: 93 29.9 W STATION DEPTH: 20 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	30.16	19.77	10.30	63.81	4.83
3.0	30.17	19.76	10.30	62.71	4.86
4.0	30.12	19.98	10.47	61.98	4.93
5.0	29.86	21.29	11.53	63.71	4.81
6.0	29.28	24.23	13.91	62.06	4.54
7.0	28.73	27.18	16.30	81.04	4.44
8.0	28.79	28.20	17.04	83.81	4.45
9.0	28.64	28.26	17.13	84.38	4.35
10.0	28.55	28.41	17.27	84.08	4.24
11.0	28.34	28.72	17.57	82.83	3.93
12.0	28.20	28.84	17.71	77.02	3.78
13.0	28.16	28.88	17.75	70.79	3.69
14.0	28.15	28.89	17.76	65.15	3.62
15.0	28.11	28.92	17.80	63.07	3.11
16.0	27.56	29.58	18.46	65.37	2.22
17.0	27.21	30.14	19.00	64.23	1.72

STATION 031

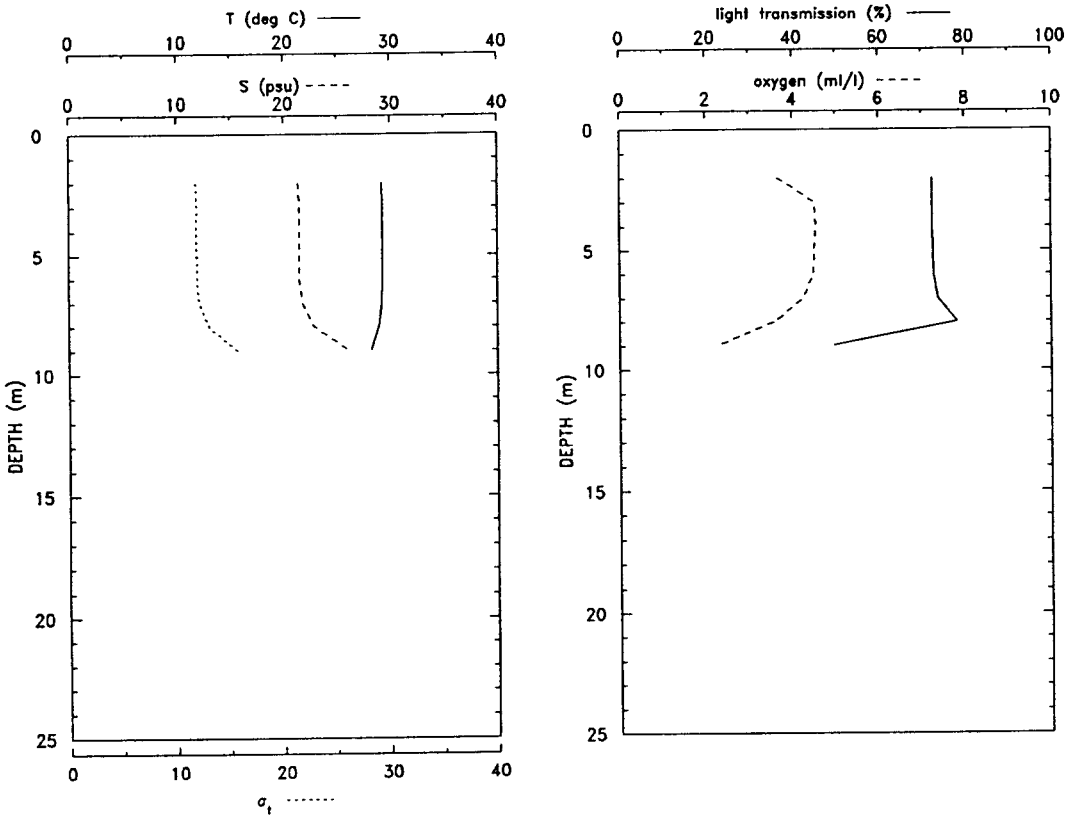
OP NUM: 931860121 LAT: 29 20.1 N LON: 93 30.0 W STATION DEPTH: 16 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.58	19.47	10.27	69.73	4.46
3.0	29.61	19.43	10.23	69.16	5.05
4.0	29.36	20.39	11.02	70.54	4.34
5.0	28.87	23.09	13.19	63.50	4.22
6.0	28.90	23.52	13.50	74.92	4.47
7.0	28.91	24.69	14.38	78.20	4.47
8.0	28.75	25.12	14.75	82.00	4.04
9.0	28.51	26.00	15.48	83.01	2.92
10.0	28.20	26.85	16.22	75.64	2.70
11.0	28.14	27.03	16.37	61.12	2.27
12.0	28.04	27.17	16.51	39.01	2.24
13.0	28.02	27.30	16.62	41.55	2.09
14.0	27.98	27.75	16.96	38.85	1.86
15.0	27.86	28.33	17.44	28.25	1.74

STATION 032

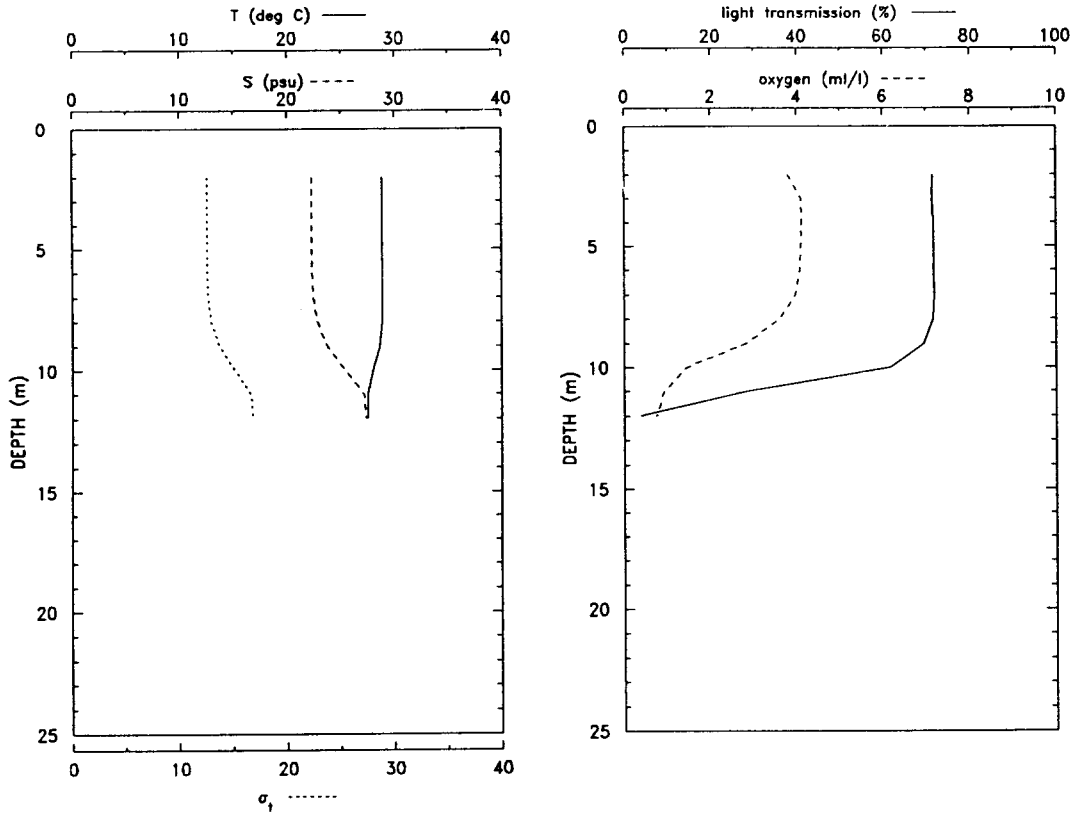
OP NUM: 931860239 LAT: 29 30.2 N LON: 93 30.0 W STATION DEPTH: 10 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.23	21.36	11.79	72.54	3.67
3.0	29.28	21.48	11.86	72.53	4.53
4.0	29.28	21.48	11.86	72.49	4.55
5.0	29.28	21.48	11.86	72.72	4.52
6.0	29.28	21.50	11.88	72.81	4.49
7.0	29.24	21.76	12.08	73.75	4.26
8.0	28.94	22.87	13.01	78.12	3.59
9.0	28.20	26.11	15.66	49.70	2.28

STATION 033

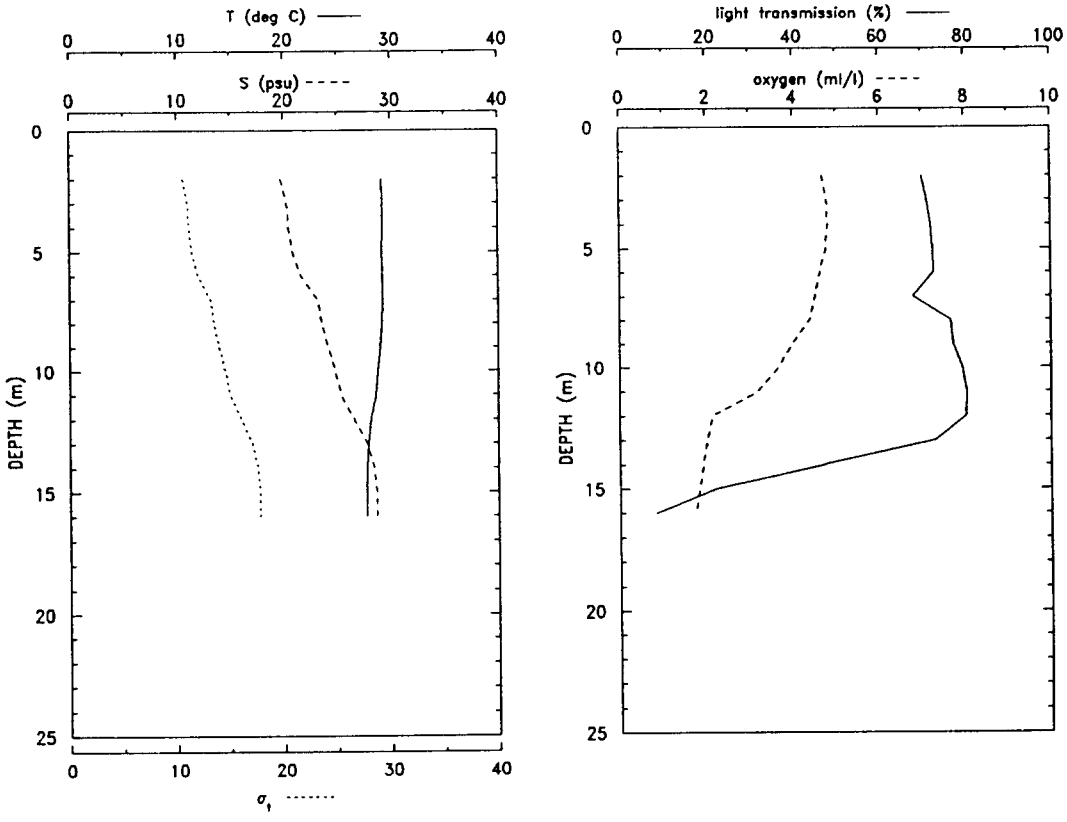
OP NUM: 931861205 LAT: 29 30.1 N LON: 92 59.9 W STATION DEPTH: 14 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	28.88	22.31	12.61	71.67	3.80
3.0	28.88	22.32	12.62	71.47	4.11
4.0	28.88	22.34	12.63	71.78	4.12
5.0	28.88	22.32	12.62	71.73	4.10
6.0	28.88	22.32	12.62	71.78	4.08
7.0	28.89	22.43	12.70	71.94	3.98
8.0	28.89	22.82	12.99	71.58	3.61
9.0	28.64	23.72	13.74	69.56	2.84
10.0	27.99	25.38	15.19	61.74	1.44
11.0	27.52	27.14	16.65	28.55	0.92
12.0	27.48	27.30	16.78	3.95	0.75

STATION 034

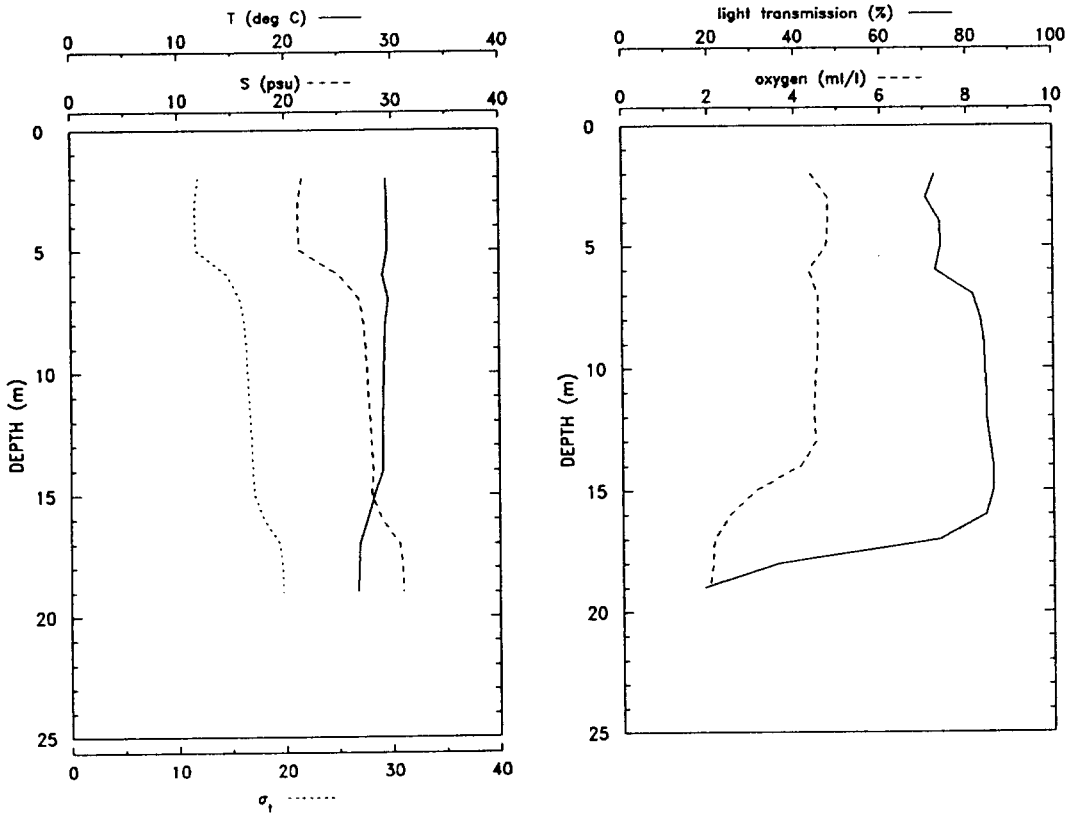
OP NUM: 931861352 LAT: 29 20.0 N LON: 92 59.9 W STATION DEPTH: 16 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.19	19.73	10.59	70.11	4.69
3.0	29.19	20.30	11.01	71.35	4.80
4.0	29.19	20.47	11.14	72.27	4.82
5.0	29.19	20.80	11.39	72.70	4.77
6.0	29.20	21.61	11.99	72.80	4.64
7.0	29.19	23.19	13.17	67.99	4.53
8.0	29.14	23.53	13.44	76.63	4.40
9.0	28.98	24.14	13.94	77.26	3.99
10.0	28.77	24.78	14.48	79.32	3.67
11.0	28.55	25.32	14.96	80.37	3.19
12.0	28.10	26.55	16.03	80.20	2.14
13.0	27.84	27.75	17.01	73.14	2.03
14.0	27.71	28.38	17.52	47.30	1.93
15.0	27.67	28.61	17.70	22.24	1.85
16.0	27.66	28.65	17.74	8.38	1.75

STATION 035

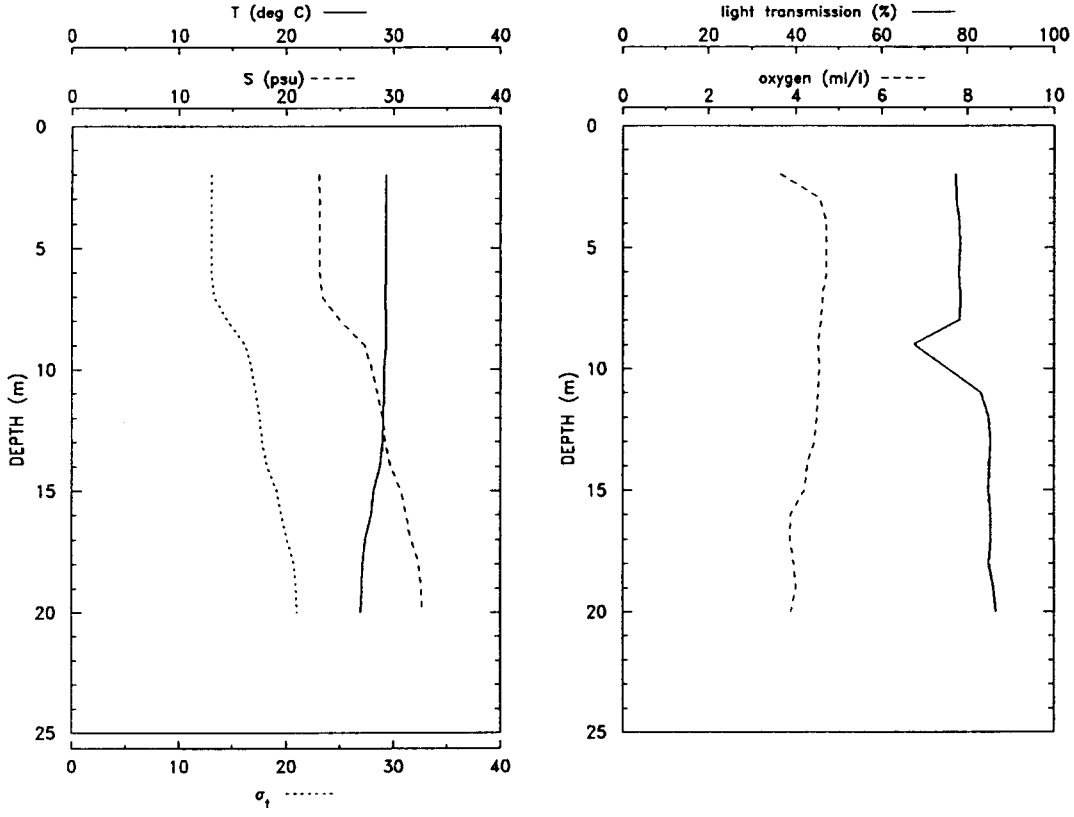
OP NUM: 931861531 LAT: 29 10.0 N LON: 93 00.1 W STATION DEPTH: 20 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.48	21.62	11.90	72.58	4.38
3.0	29.53	21.24	11.60	70.49	4.78
4.0	29.51	21.24	11.61	73.71	4.79
5.0	29.50	21.36	11.70	73.82	4.74
6.0	29.09	25.07	14.60	72.67	4.34
7.0	29.64	26.96	15.84	81.37	4.55
8.0	29.35	27.37	16.23	83.30	4.55
9.0	29.27	27.54	16.39	84.01	4.54
10.0	29.24	27.68	16.50	84.13	4.51
11.0	29.16	27.81	16.63	84.35	4.46
12.0	29.11	27.95	16.75	84.37	4.45
13.0	29.10	28.09	16.85	85.20	4.49
14.0	29.08	28.20	16.95	85.87	4.13
15.0	28.35	28.09	17.09	85.87	3.08
16.0	27.69	29.00	17.99	84.28	2.48
17.0	26.94	30.62	19.45	73.78	2.12
18.0	26.81	30.90	19.69	36.18	2.09
19.0	26.78	30.98	19.76	18.94	2.00

STATION 036

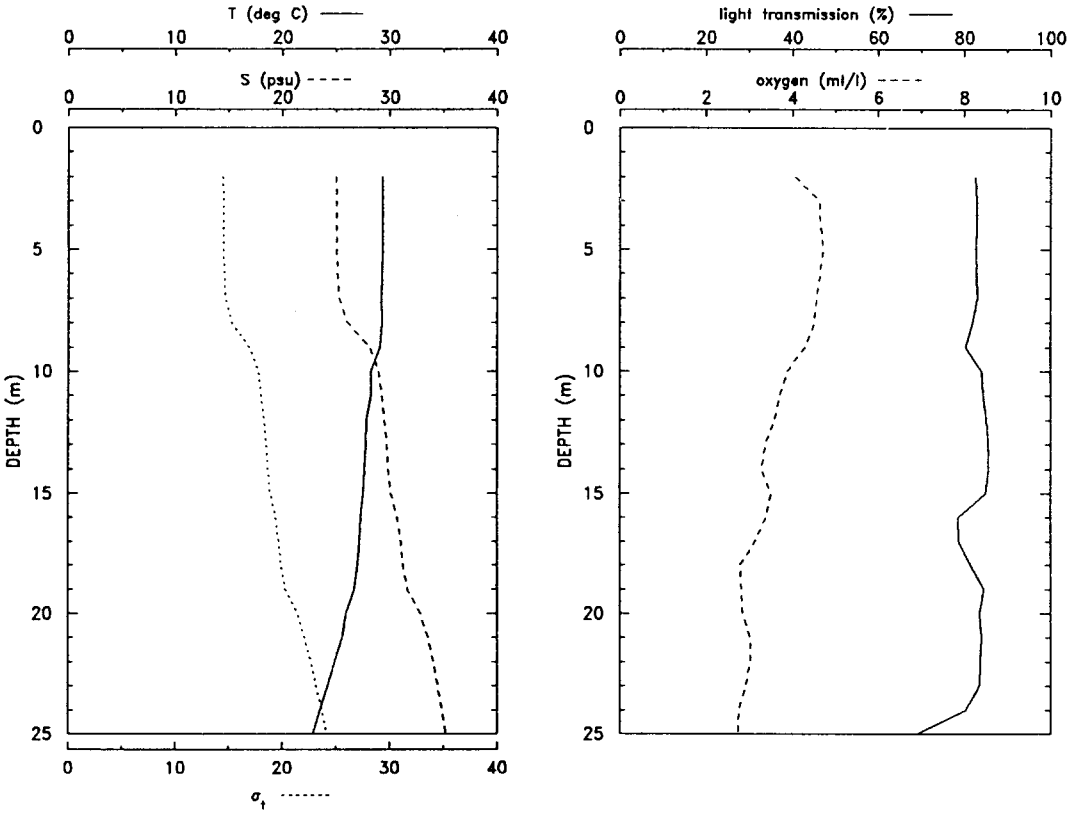
OP NUM: 931861657 LAT: 29 00.0 N LON: 92 59.7 W STATION DEPTH: 22 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.31	23.05	13.02	77.27	3.65
3.0	29.30	23.06	13.03	77.42	4.57
4.0	29.30	23.06	13.04	78.17	4.72
5.0	29.29	23.07	13.04	78.25	4.71
6.0	29.29	23.07	13.05	78.05	4.73
7.0	29.25	23.32	13.24	78.36	4.63
8.0	29.25	25.01	14.50	78.16	4.60
9.0	29.27	27.29	16.20	67.62	4.53
10.0	29.13	27.97	16.75	75.40	4.56
11.0	29.11	28.51	17.16	83.03	4.53
12.0	29.04	28.98	17.54	84.92	4.49
13.0	28.96	29.23	17.76	85.29	4.44
14.0	28.72	29.74	18.21	85.06	4.27
15.0	28.17	30.70	19.11	84.93	4.21
16.0	27.94	31.17	19.54	85.30	3.89
17.0	27.38	31.64	20.07	85.33	3.87
18.0	27.11	32.39	20.72	84.85	3.97
19.0	27.06	32.61	20.90	85.88	4.01
20.0	26.96	32.71	21.01	86.50	3.90

STATION 037

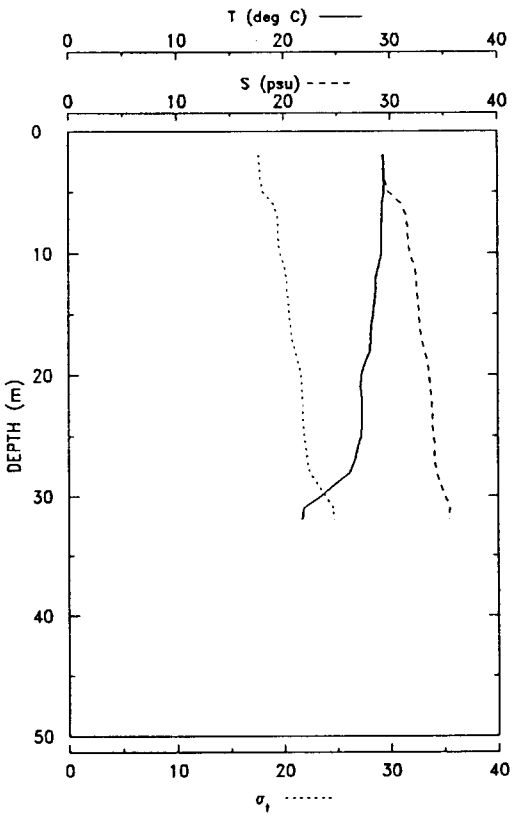
OP NUM: 931861825 LAT: 28 50.0 N LON: 92 59.8 W STATION DEPTH: 29 m

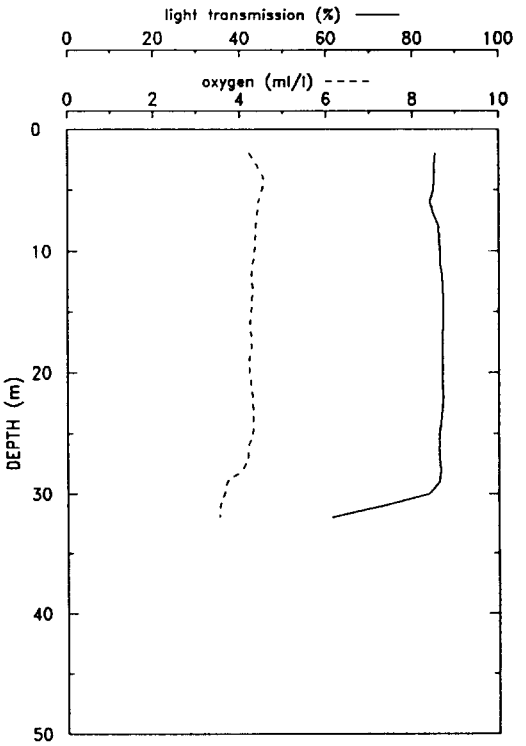


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.36	25.00	14.46	82.60	4.06
3.0	29.34	25.05	14.51	82.91	4.62
4.0	29.34	25.05	14.50	82.92	4.65
5.0	29.34	25.05	14.51	82.83	4.71
6.0	29.30	25.13	14.58	82.98	4.63
7.0	29.25	25.27	14.70	83.15	4.57
8.0	29.25	26.05	15.28	81.98	4.51
9.0	29.08	28.16	16.92	80.35	4.30
10.0	28.29	28.98	17.78	84.13	3.88
11.0	28.25	29.27	18.01	84.40	3.70
12.0	27.84	29.50	18.32	85.22	3.59
13.0	27.78	29.73	18.51	85.56	3.37
14.0	27.64	29.88	18.67	85.64	3.28
15.0	27.55	30.13	18.89	84.97	3.50
16.0	27.32	30.72	19.40	78.67	3.39
17.0	27.20	31.05	19.68	78.74	3.13
18.0	27.03	31.24	19.88	81.37	2.79
19.0	26.71	31.67	20.30	84.50	2.81
20.0	25.97	32.85	21.43	83.46	2.84
21.0	25.57	33.56	22.08	83.99	3.02
22.0	24.86	34.08	22.69	83.67	3.02
23.0	24.24	34.45	23.15	83.59	2.91
24.0	23.49	34.86	23.68	80.45	2.75
25.0	22.87	35.22	24.14	69.01	2.73

STATION 038

OP NUM: 931861958 LAT: 28 40.0 N LON: 92 59.9 W STATION DEPTH: 34 m



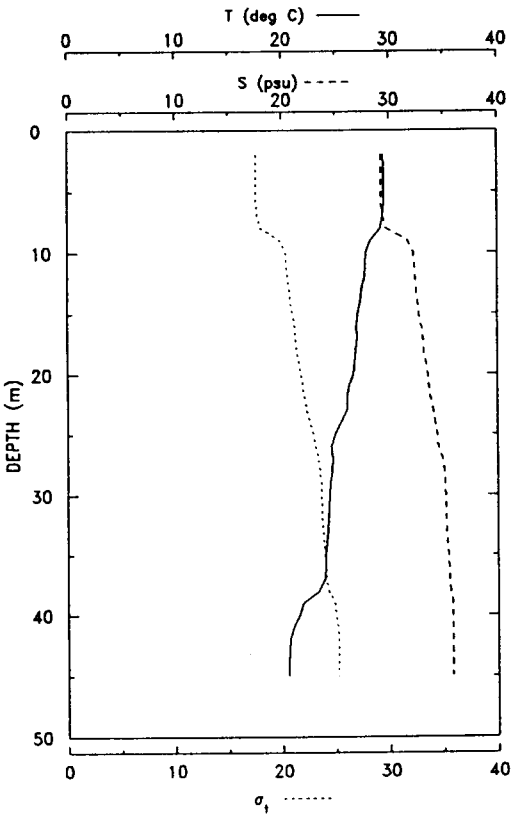


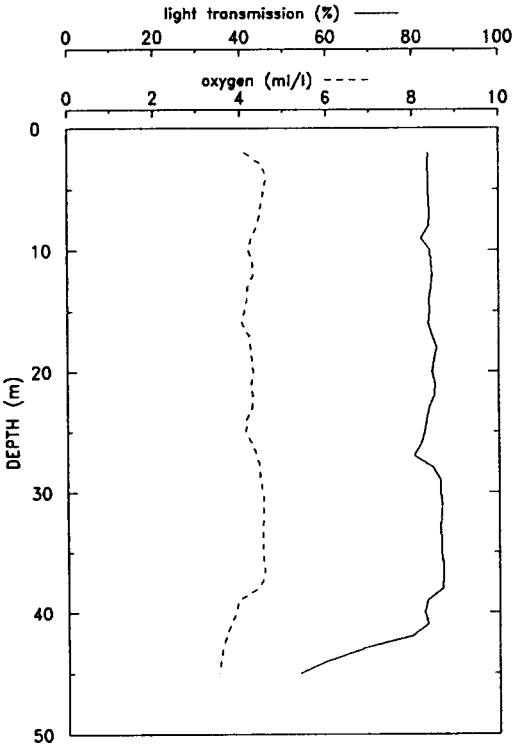
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.40	29.28	17.65	85.24	4.24
3.0	29.38	29.36	17.71	85.08	4.41
4.0	29.38	29.45	17.78	85.05	4.56
5.0	29.37	29.79	18.04	84.91	4.53
6.0	29.22	31.02	19.01	83.93	4.44
7.0	29.20	31.55	19.41	84.83	4.41
8.0	29.18	31.60	19.46	86.11	4.38
9.0	29.17	31.64	19.49	86.20	4.37
10.0	29.16	31.80	19.61	86.29	4.36
11.0	28.94	32.25	20.03	86.33	4.31
12.0	28.64	32.41	20.24	86.74	4.28
13.0	28.61	32.47	20.30	86.93	4.30
14.0	28.52	32.59	20.41	87.05	4.29
15.0	28.41	32.68	20.52	87.13	4.28
16.0	28.21	32.75	20.63	87.06	4.25
17.0	28.12	32.89	20.77	87.02	4.27

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
18.0	28.07	33.18	21.01	87.02	4.28
19.0	27.63	33.44	21.35	87.02	4.22
20.0	27.26	33.62	21.60	86.88	4.23
21.0	27.22	33.70	21.67	86.89	4.26
22.0	27.31	33.82	21.74	87.07	4.30
23.0	27.34	33.89	21.78	86.89	4.31
24.0	27.32	33.93	21.81	86.61	4.32
25.0	27.23	34.01	21.90	86.14	4.30
26.0	26.87	34.11	22.09	86.23	4.22
27.0	26.68	34.14	22.18	86.16	4.19
28.0	26.21	34.26	22.41	86.47	4.07
29.0	24.76	34.67	23.17	86.19	3.70
30.0	23.45	35.07	23.86	83.75	3.65
31.0	21.85	35.51	24.64	73.22	3.55
32.0	21.74	35.49	24.67	61.35	3.53

STATION 039

OP NUM: 931862125 LAT: 28 30.0 N LON: 93 00.0 W STATION DEPTH: 45 m



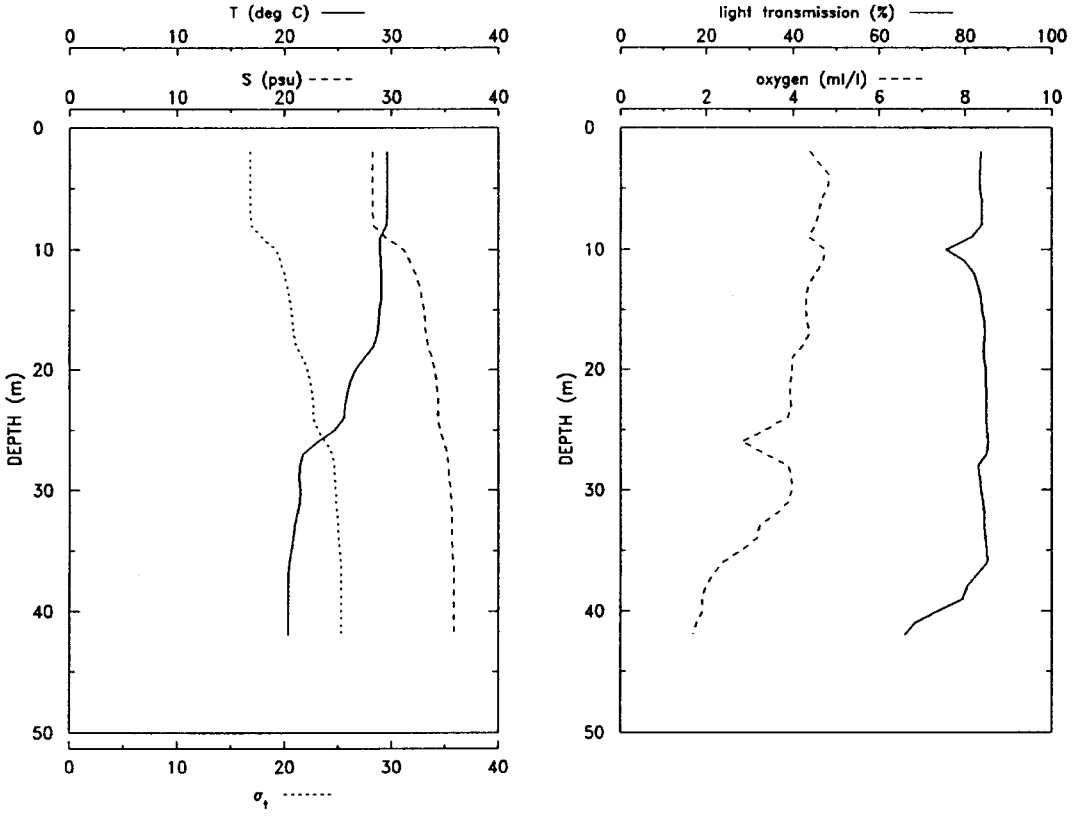


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.48	29.30	17.63	83.69	4.11
3.0	29.50	29.29	17.62	83.56	4.51
4.0	29.50	29.29	17.62	83.67	4.62
5.0	29.50	29.29	17.62	83.67	4.56
6.0	29.49	29.30	17.63	83.88	4.51
7.0	29.42	29.38	17.72	83.93	4.45
8.0	29.22	29.73	18.05	83.80	4.40
9.0	28.26	31.72	19.85	81.98	4.26
10.0	27.82	32.23	20.37	84.16	4.20
11.0	27.78	32.31	20.45	84.29	4.28
12.0	27.73	32.42	20.55	84.54	4.31
13.0	27.43	32.48	20.68	84.27	4.18
14.0	27.30	32.61	20.82	83.86	4.16
15.0	27.09	32.73	20.98	83.98	4.09
16.0	26.97	32.97	21.20	83.71	4.05
17.0	27.04	33.10	21.27	84.53	4.21
18.0	26.90	33.18	21.38	85.61	4.24
19.0	26.75	33.38	21.58	85.00	4.28
20.0	26.66	33.58	21.76	84.57	4.30
21.0	26.26	33.64	21.93	85.14	4.26
22.0	26.07	33.80	22.11	85.04	4.29
23.0	26.06	34.07	22.32	83.85	4.27

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
24.0	25.48	34.23	22.62	83.29	4.14
25.0	24.92	34.41	22.92	82.84	4.13
26.0	24.57	34.52	23.11	81.87	4.27
27.0	24.67	34.90	23.37	80.20	4.38
28.0	24.64	35.05	23.49	84.75	4.45
29.0	24.46	35.12	23.60	86.38	4.46
30.0	24.41	35.15	23.64	86.39	4.52
31.0	24.35	35.17	23.67	86.61	4.53
32.0	24.30	35.20	23.71	86.49	4.53
33.0	24.21	35.25	23.77	86.31	4.51
34.0	24.09	35.29	23.84	86.54	4.51
35.0	24.01	35.40	23.94	86.57	4.51
36.0	23.98	35.46	24.00	86.92	4.54
37.0	23.93	35.49	24.04	86.98	4.54
38.0	23.38	35.56	24.25	86.81	4.40
39.0	21.90	35.78	24.84	83.26	3.93
40.0	21.54	35.78	24.94	82.57	3.88
41.0	21.03	35.80	25.10	83.34	3.75
42.0	20.65	35.78	25.18	79.52	3.64
43.0	20.58	35.77	25.20	68.26	3.57
44.0	20.54	35.76	25.20	59.85	3.52
45.0	20.54	35.75	25.19	53.59	3.47

STATION 040

OP NUM: 931870050 LAT: 28 29.1 N LON: 92 30.0 W STATION DEPTH: 49 m

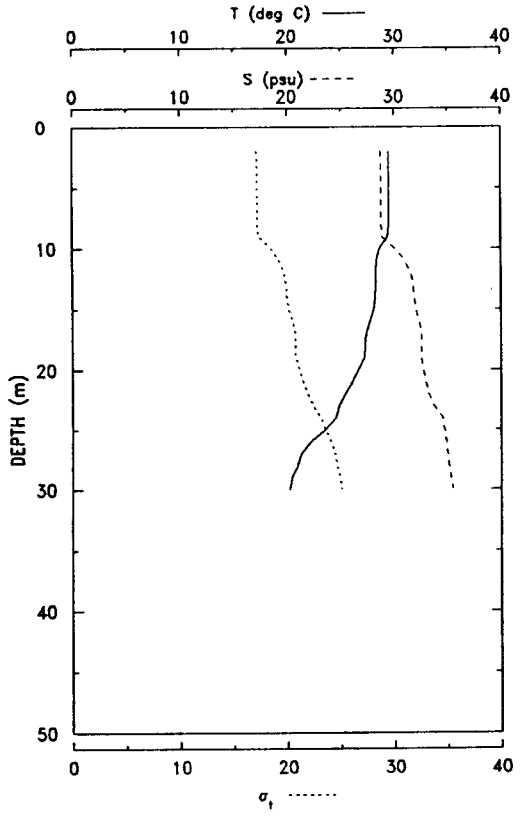


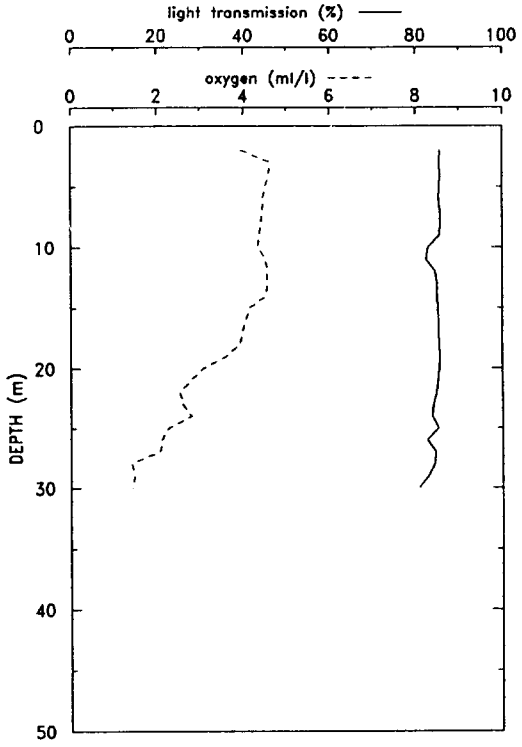
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.57	28.21	16.79	83.65	4.39
3.0	29.57	28.21	16.79	83.51	4.61
4.0	29.57	28.21	16.79	83.38	4.86
5.0	29.56	28.21	16.79	83.45	4.80
6.0	29.56	28.21	16.79	83.85	4.64
7.0	29.56	28.21	16.79	83.82	4.61
8.0	29.49	28.28	16.87	83.75	4.52
9.0	28.91	29.40	17.90	81.42	4.37
10.0	28.90	31.12	19.19	75.69	4.73
11.0	28.99	31.73	19.61	80.02	4.70
12.0	29.07	32.25	19.98	81.99	4.52
13.0	29.07	32.59	20.23	82.98	4.35
14.0	29.02	32.82	20.43	83.70	4.31
15.0	28.86	33.04	20.64	83.86	4.30
16.0	28.81	33.13	20.73	84.46	4.33
17.0	28.67	33.23	20.85	84.54	4.38
18.0	28.35	33.41	21.09	84.22	4.23
19.0	27.46	33.79	21.67	84.25	3.99
20.0	26.60	34.04	22.12	84.69	3.97
21.0	26.12	34.21	22.40	84.73	3.94
22.0	25.82	34.31	22.57	84.84	3.93

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
23.0	25.63	34.35	22.66	84.81	3.96
24.0	25.53	34.35	22.69	84.93	3.89
25.0	24.61	34.55	23.12	85.01	3.38
26.0	23.00	34.89	23.85	85.31	2.82
27.0	21.69	35.22	24.48	85.02	3.34
28.0	21.39	35.31	24.62	83.07	3.89
29.0	21.35	35.40	24.70	83.42	3.96
30.0	21.47	35.54	24.78	83.71	3.98
31.0	21.43	35.60	24.84	84.11	3.90
32.0	21.20	35.63	24.92	84.43	3.61
33.0	20.95	35.64	25.00	84.46	3.23
34.0	20.83	35.66	25.04	84.71	3.16
35.0	20.62	35.70	25.13	84.96	2.81
36.0	20.44	35.80	25.25	85.14	2.40
37.0	20.33	35.83	25.31	82.71	2.15
38.0	20.33	35.82	25.30	80.40	1.99
39.0	20.34	35.83	25.31	79.31	1.90
40.0	20.33	35.84	25.31	73.58	1.90
41.0	20.33	35.84	25.31	68.41	1.77
42.0	20.33	35.83	25.31	66.00	1.70

STATION 041

OP NUM: 931870220 LAT: 28 40.1 N LON: 92 30.0 W STATION DEPTH: 34 m



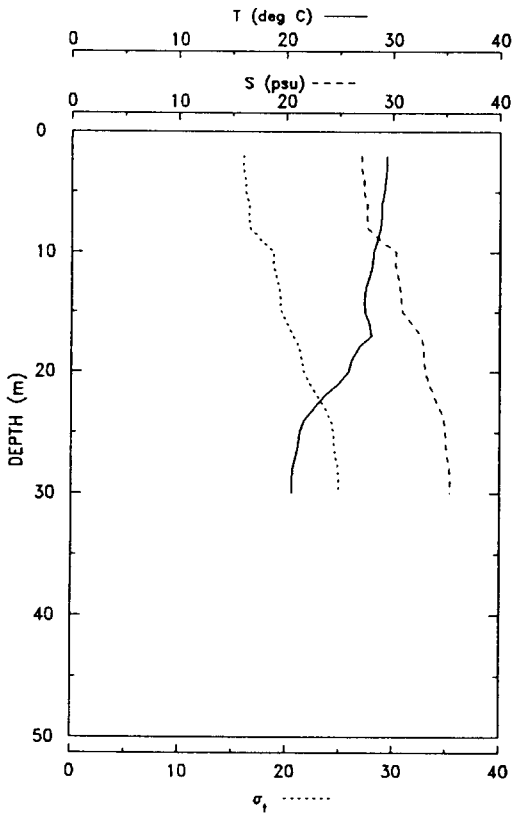


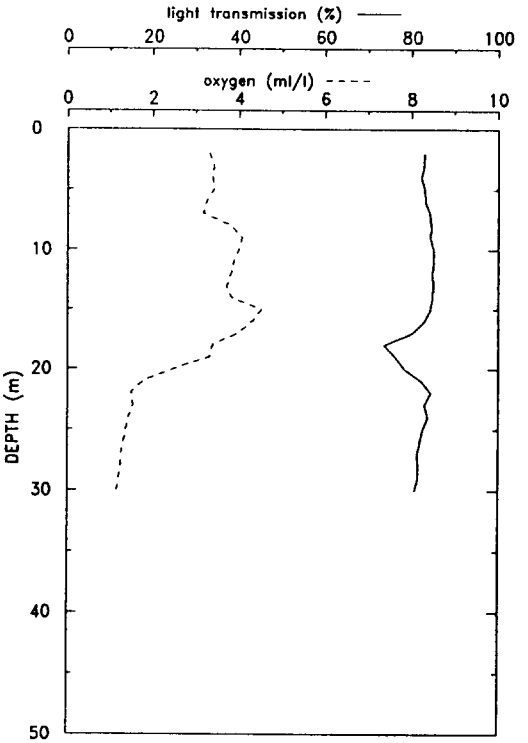
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.50	28.73	17.20	85.60	3.96
3.0	29.51	28.80	17.25	85.51	4.63
4.0	29.51	28.80	17.25	85.58	4.60
5.0	29.51	28.80	17.25	85.43	4.52
6.0	29.51	28.80	17.25	85.28	4.47
7.0	29.51	28.80	17.25	85.55	4.45
8.0	29.51	28.80	17.25	85.54	4.43
9.0	29.42	28.87	17.33	85.51	4.38
10.0	28.62	30.08	18.50	82.72	4.35
11.0	28.34	30.97	19.26	82.35	4.52
12.0	28.28	31.57	19.73	84.36	4.56
13.0	28.24	31.76	19.89	84.86	4.55
14.0	28.21	31.85	19.96	84.84	4.54
15.0	28.07	32.02	20.14	85.04	4.14
16.0	27.70	32.37	20.51	85.09	4.05

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
17.0	27.38	32.53	20.74	85.18	3.98
18.0	27.26	32.53	20.78	85.38	3.93
19.0	27.18	32.52	20.80	85.42	3.60
20.0	26.61	32.72	21.13	85.37	3.07
21.0	26.06	32.96	21.48	84.97	2.78
22.0	25.40	33.24	21.89	84.69	2.54
23.0	24.81	33.71	22.43	83.98	2.61
24.0	24.51	34.51	23.12	83.69	2.80
25.0	23.51	34.70	23.56	85.12	2.26
26.0	22.20	34.87	24.07	82.49	2.12
27.0	21.29	35.01	24.42	84.38	2.07
28.0	20.94	35.12	24.61	84.27	1.41
29.0	20.40	35.29	24.87	82.82	1.47
30.0	20.25	35.49	25.07	80.65	1.43

STATION 042

OP NUM: 931870349 LAT: 28 50.0 N LON: 92 29.9 W STATION DEPTH: 31 m



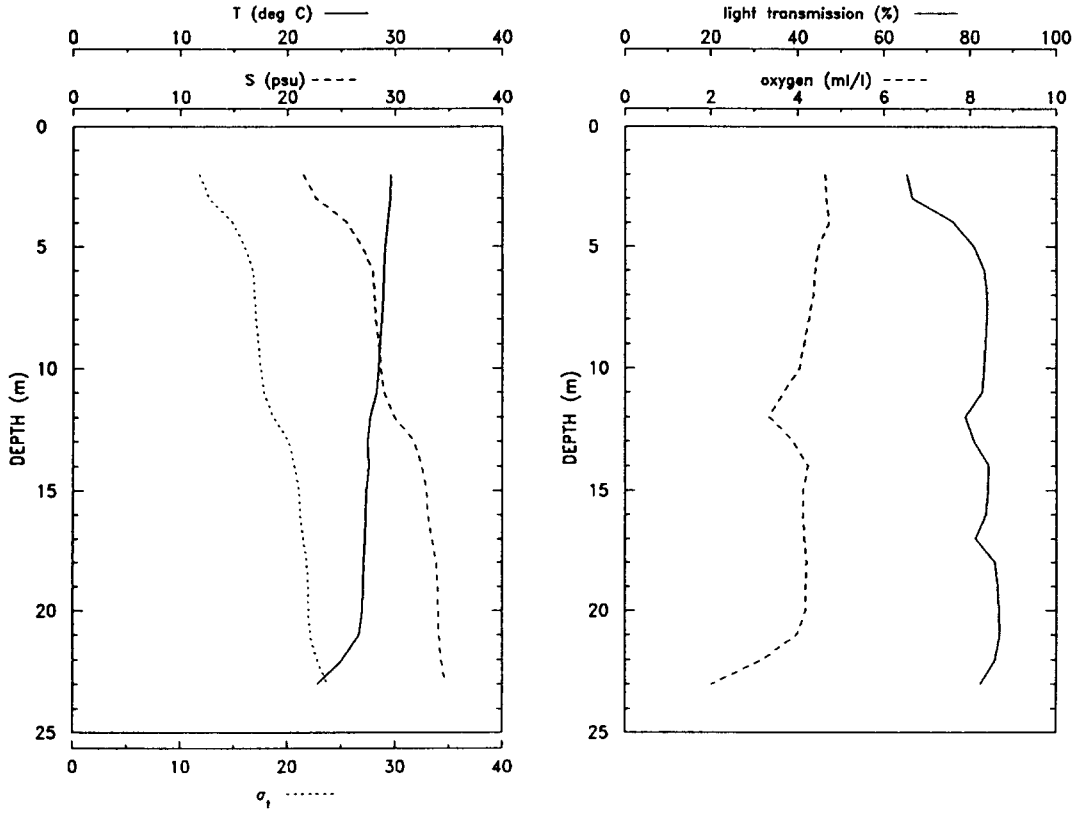


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.37	27.03	15.98	83.00	3.30
3.0	29.43	27.02	15.95	82.83	3.41
4.0	29.28	27.23	16.15	82.23	3.38
5.0	29.18	27.25	16.20	82.87	3.41
6.0	28.91	27.56	16.52	83.10	3.23
7.0	28.91	27.53	16.50	84.15	3.16
8.0	28.82	27.63	16.61	84.42	3.82
9.0	28.48	28.83	17.61	84.28	4.06
10.0	28.16	30.31	18.82	84.97	3.99
11.0	28.10	30.21	18.77	85.06	3.87
12.0	27.77	30.44	19.05	84.76	3.81
13.0	27.45	30.67	19.32	84.80	3.71
14.0	27.31	30.78	19.45	84.78	3.81
15.0	27.38	30.90	19.52	84.32	4.52
16.0	27.77	31.80	20.07	82.97	4.32

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
17.0	27.94	32.64	20.64	80.17	3.97
18.0	26.80	32.90	21.20	73.66	3.38
19.0	26.15	32.94	21.44	76.16	3.31
20.0	25.85	33.07	21.63	78.33	2.49
21.0	24.85	33.42	22.20	82.21	1.78
22.0	23.60	33.88	22.91	84.26	1.49
23.0	22.58	34.40	23.60	82.86	1.54
24.0	21.63	34.82	24.19	83.61	1.42
25.0	21.23	34.97	24.41	82.52	1.37
26.0	21.10	35.02	24.49	81.90	1.31
27.0	20.88	35.14	24.64	81.35	1.26
28.0	20.60	35.34	24.86	81.44	1.25
29.0	20.54	35.40	24.92	81.46	1.21
30.0	20.53	35.40	24.92	80.77	1.16

STATION 043

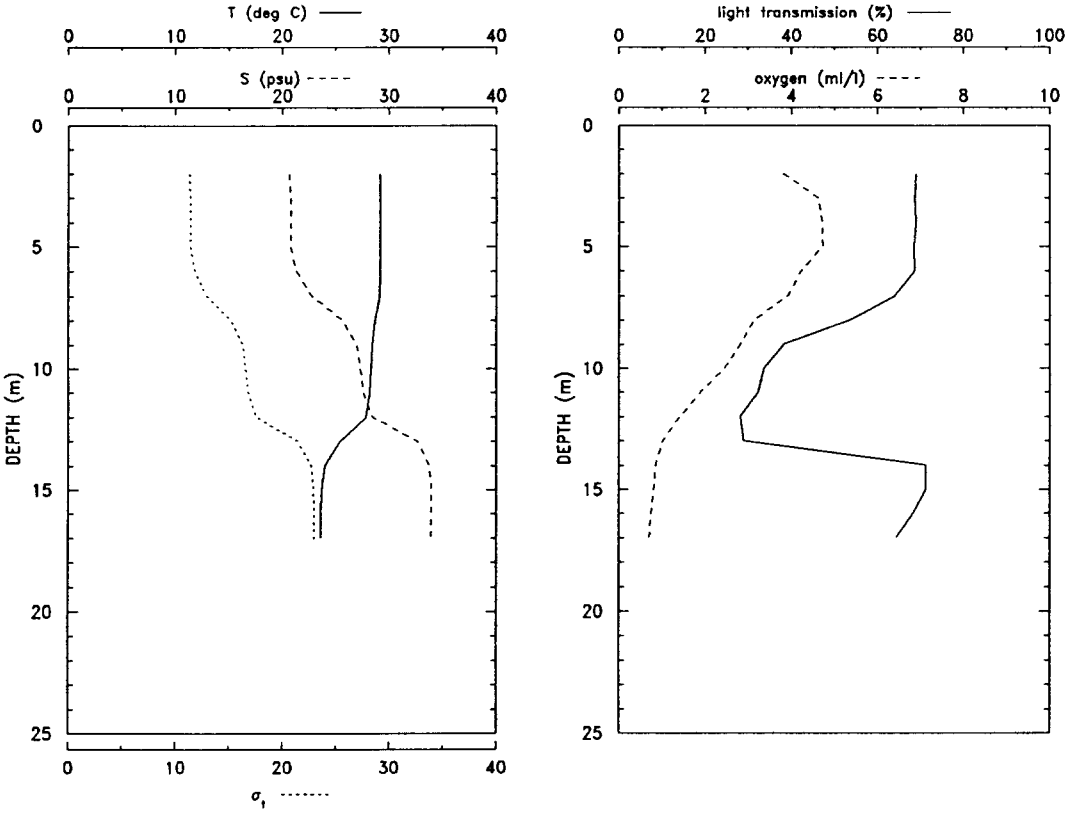
OP NUM: 921870505 LAT: 29 00.2 N LON: 92 30.0 W STATION DEPTH: 25 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.56	21.49	11.78	65.34	4.63
3.0	29.50	22.61	12.63	66.59	4.66
4.0	29.27	25.48	14.85	76.04	4.72
5.0	29.07	26.91	15.98	80.92	4.48
6.0	28.93	27.90	16.77	83.18	4.40
7.0	28.88	28.03	16.88	83.81	4.36
8.0	28.76	28.18	17.03	83.82	4.26
9.0	28.59	28.44	17.29	83.57	4.15
10.0	28.48	28.65	17.48	83.19	4.04
11.0	28.25	28.97	17.79	82.78	3.68
12.0	27.66	29.91	18.69	78.93	3.34
13.0	27.45	31.77	20.15	80.83	3.89
14.0	27.54	32.48	20.66	84.32	4.24
15.0	27.29	32.92	21.06	84.17	4.13
16.0	27.23	33.06	21.18	83.63	4.13
17.0	27.18	33.44	21.48	81.34	4.16
18.0	27.09	33.85	21.82	85.73	4.21
19.0	27.01	33.98	21.95	86.40	4.19
20.0	26.93	34.01	22.00	86.69	4.19
21.0	26.66	34.08	22.14	86.73	3.98
22.0	25.11	34.29	22.77	85.78	3.19
23.0	22.78	34.64	23.73	82.29	2.01

STATION 044

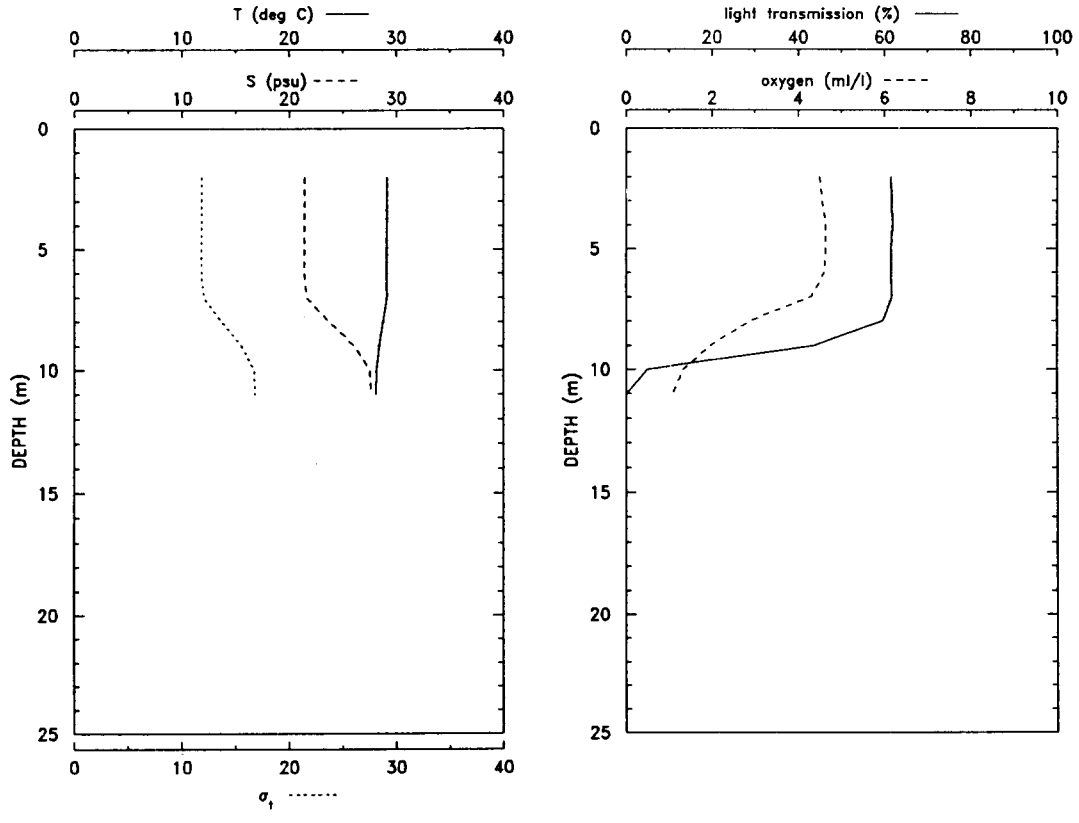
OP NUM: 931871206 LAT: 29 10.0 N LON: 92 29.9 W STATION DEPTH: 18 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.15	20.65	11.29	68.94	3.81
3.0	29.15	20.74	11.35	68.65	4.62
4.0	29.16	20.74	11.35	68.97	4.72
5.0	29.16	20.74	11.35	68.49	4.73
6.0	29.14	21.30	11.77	68.59	4.24
7.0	29.08	22.76	12.88	64.09	3.92
8.0	28.66	25.67	15.19	53.56	3.13
9.0	28.42	27.02	16.27	38.23	2.81
10.0	28.34	27.34	16.54	33.70	2.45
11.0	28.24	27.63	16.79	32.30	1.89
12.0	27.85	28.48	17.55	28.11	1.42
13.0	25.38	32.68	21.47	28.89	1.02
14.0	24.00	33.80	22.73	71.16	0.85
15.0	23.69	33.94	22.93	71.14	0.81
16.0	23.64	33.95	22.96	68.14	0.75
17.0	23.64	33.95	22.95	64.33	0.70

STATION 045

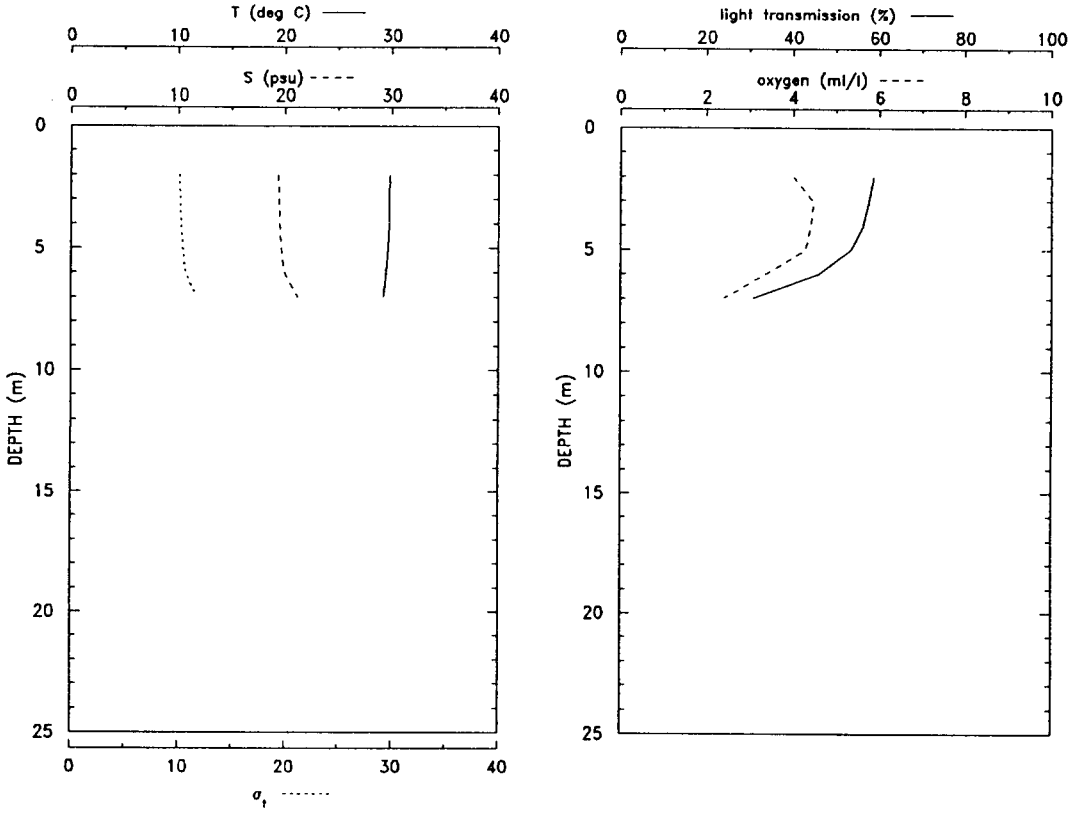
OP NUM: 931871335 LAT: 29 20.0 N LON: 92 30.0 W STATION DEPTH: 12 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.13	21.40	11.85	61.42	4.50
3.0	29.13	21.40	11.85	61.66	4.56
4.0	29.13	21.40	11.85	61.81	4.64
5.0	29.13	21.40	11.85	61.54	4.64
6.0	29.13	21.41	11.86	61.53	4.61
7.0	29.10	21.64	12.04	61.57	4.30
8.0	28.77	23.77	13.73	59.62	2.89
9.0	28.38	26.10	15.60	44.01	1.98
10.0	28.13	27.53	16.75	4.92	1.33
11.0	28.10	27.64	16.84	0.16	1.08

STATION 046

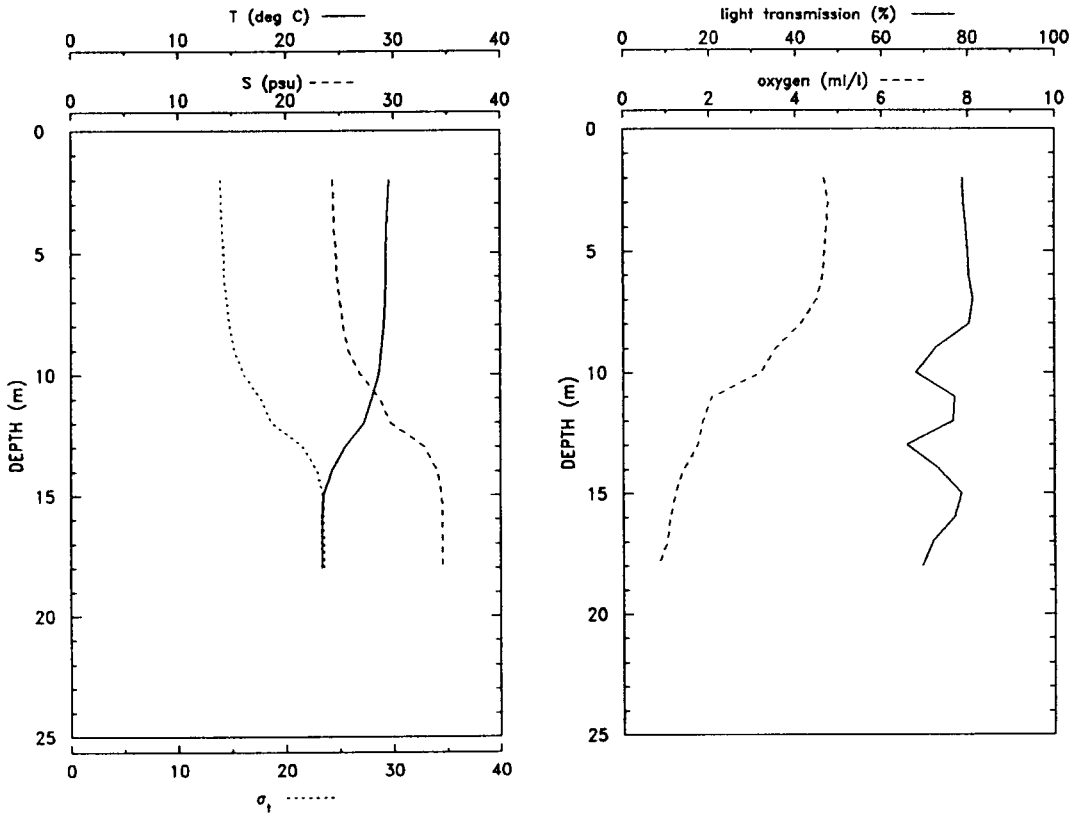
OP NUM: 931871725 LAT: 29 10.1 N LON: 91 59.8 W STATION DEPTH: 9 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.83	19.33	10.09	58.64	4.00
3.0	29.77	19.41	10.16	57.69	4.47
4.0	29.73	19.46	10.21	56.29	4.42
5.0	29.62	19.62	10.36	53.50	4.29
6.0	29.45	19.91	10.64	46.04	3.37
7.0	29.25	21.17	11.64	30.81	2.40

STATION 047

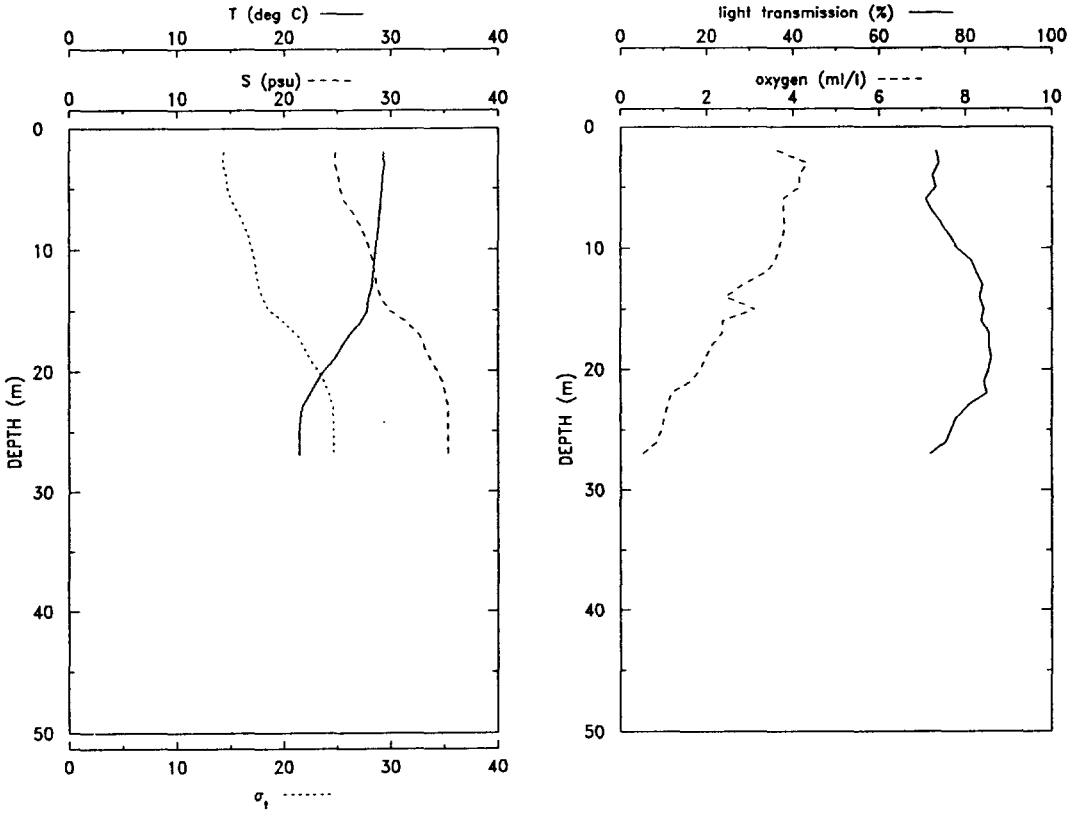
OP NUM: 931871842 LAT: 29 00.1 N LON: 92 00.0 W STATION DEPTH: 20 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.55	24.36	13.92	78.80	4.67
3.0	29.44	24.38	13.97	78.92	4.77
4.0	29.32	24.48	14.09	79.58	4.72
5.0	29.26	24.66	14.24	79.99	4.68
6.0	29.26	24.73	14.29	80.21	4.64
7.0	29.22	25.02	14.52	81.10	4.49
8.0	29.09	25.31	14.78	80.27	4.12
9.0	28.84	25.79	15.22	72.32	3.54
10.0	28.63	26.92	16.14	67.84	3.20
11.0	27.99	28.73	17.69	76.80	2.05
12.0	27.23	29.72	18.67	76.46	1.85
13.0	25.48	32.86	21.58	65.82	1.73
14.0	24.20	34.08	22.89	73.27	1.39
15.0	23.45	34.48	23.41	78.43	1.21
16.0	23.35	34.51	23.46	76.88	1.09
17.0	23.31	34.52	23.48	71.72	1.01
18.0	23.31	34.51	23.48	69.39	0.81

STATION 048

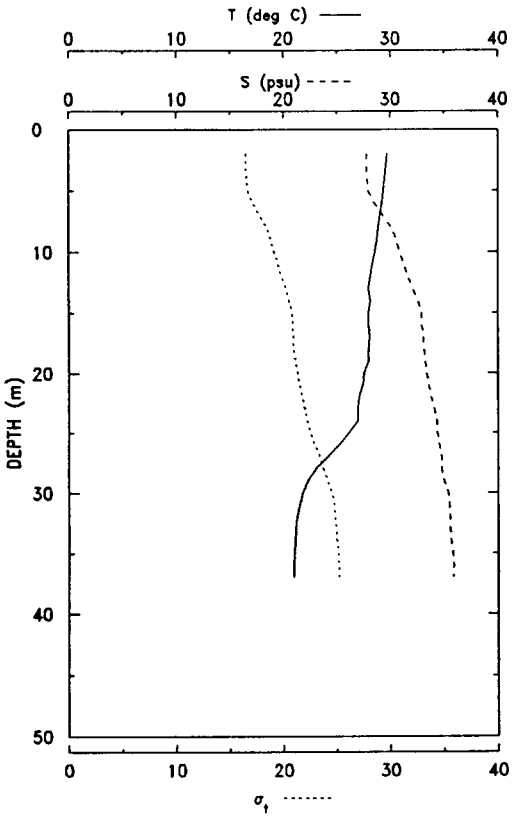
OP NUM: 931872010 LAT: 28 49.9 N LON: 92 00.1 W STATION DEPTH: 29 m

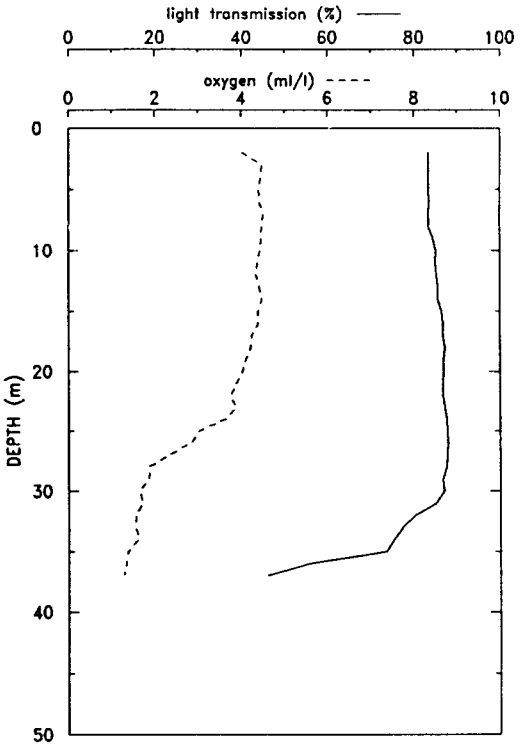


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.30	24.79	14.33	73.05	3.63
3.0	29.42	24.79	14.29	73.80	4.34
4.0	29.23	25.09	14.57	72.35	4.16
5.0	29.15	25.25	14.72	73.05	4.15
6.0	29.05	25.60	15.01	70.68	3.78
7.0	28.90	26.42	15.67	72.23	3.78
8.0	28.79	27.06	16.19	74.23	3.80
9.0	28.66	27.61	16.64	76.17	3.76
10.0	28.54	28.03	17.00	78.07	3.69
11.0	28.44	28.32	17.24	81.26	3.59
12.0	28.34	28.47	17.39	82.54	3.39
13.0	28.18	28.68	17.59	83.85	2.85
14.0	27.84	29.04	17.97	83.17	2.43
15.0	27.71	29.88	18.64	84.11	3.11
16.0	27.10	31.47	20.03	83.46	2.36
17.0	26.15	32.68	21.24	85.48	2.37
18.0	25.33	33.18	21.87	85.53	2.13
19.0	24.67	33.66	22.43	85.87	1.99
20.0	23.71	34.34	23.23	85.36	1.86
21.0	22.98	34.83	23.81	84.24	1.63
22.0	22.33	35.10	24.20	84.92	1.19
23.0	21.66	35.33	24.57	80.54	1.08
24.0	21.52	35.36	24.63	77.92	1.02
25.0	21.45	35.37	24.65	76.71	0.96
26.0	21.43	35.36	24.66	75.45	0.85
27.0	21.41	35.36	24.66	71.84	0.53

STATION 049

OP NUM: 931872133 LAT: 28 40.0 N LON: 92 00.0 W STATION DEPTH: 38 m



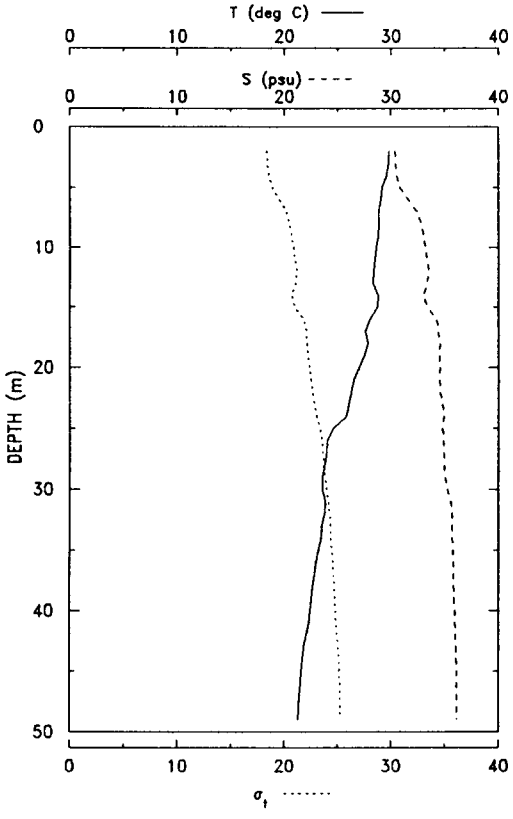


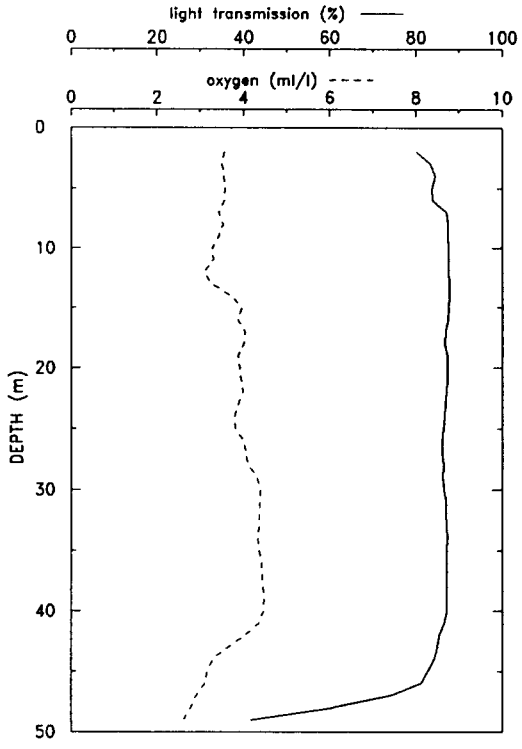
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.68	27.82	16.46	83.44	4.02
3.0	29.58	27.80	16.48	83.37	4.49
4.0	29.49	27.83	16.54	83.42	4.45
5.0	29.37	27.93	16.65	83.42	4.41
6.0	29.24	28.50	17.11	83.47	4.42
7.0	29.07	29.28	17.76	83.36	4.51
8.0	28.84	30.11	18.45	83.45	4.48
9.0	28.71	30.57	18.83	84.36	4.47
10.0	28.56	30.90	19.13	84.95	4.43
11.0	28.35	31.30	19.51	84.80	4.37
12.0	28.17	31.66	19.83	85.16	4.34
13.0	27.94	32.10	20.24	85.53	4.42
14.0	28.15	32.60	20.55	85.43	4.49
15.0	27.96	32.90	20.83	86.39	4.40
16.0	27.94	32.94	20.87	86.58	4.39
17.0	28.08	33.08	20.93	86.69	4.25
18.0	27.98	33.12	20.99	87.07	4.22
19.0	27.96	33.30	21.13	86.85	4.10

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
20.0	27.54	33.41	21.35	86.75	4.03
21.0	27.44	33.58	21.51	86.58	3.88
22.0	27.10	33.79	21.77	86.61	3.75
23.0	26.98	34.08	22.03	87.10	3.88
24.0	26.94	34.31	22.22	87.56	3.67
25.0	26.13	34.36	22.51	87.75	3.02
26.0	25.26	34.54	22.92	87.78	2.85
27.0	24.17	34.74	23.39	87.71	2.35
28.0	23.04	34.73	23.72	87.54	1.88
29.0	22.25	34.97	24.13	86.62	1.86
30.0	21.77	35.35	24.55	86.92	1.65
31.0	21.51	35.48	24.73	85.01	1.71
32.0	21.24	35.51	24.82	80.31	1.56
33.0	21.12	35.55	24.89	77.27	1.55
34.0	21.05	35.64	24.97	75.39	1.61
35.0	21.00	35.80	25.10	73.49	1.37
36.0	20.97	35.86	25.16	55.86	1.34
37.0	20.97	35.86	25.16	46.19	1.29

STATION 050

OP NUM: 931872300 LAT: 28 30.0 N LON: 91 59.9 W STATION DEPTH: 51 m



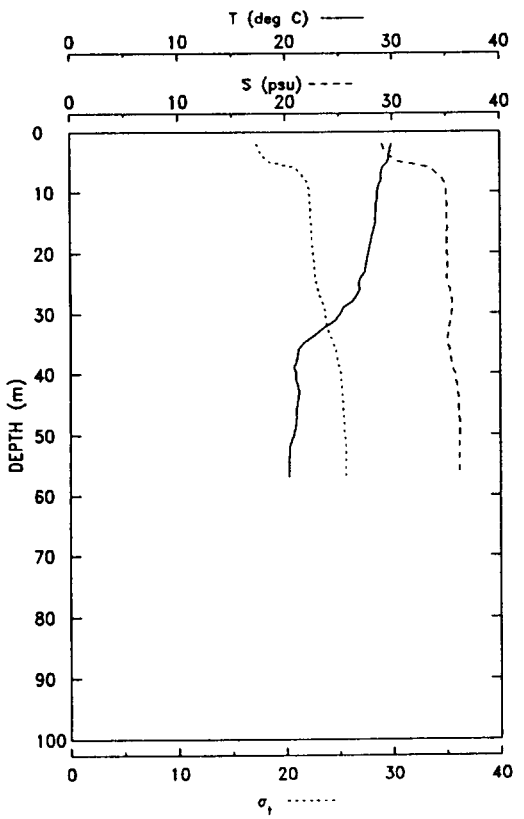


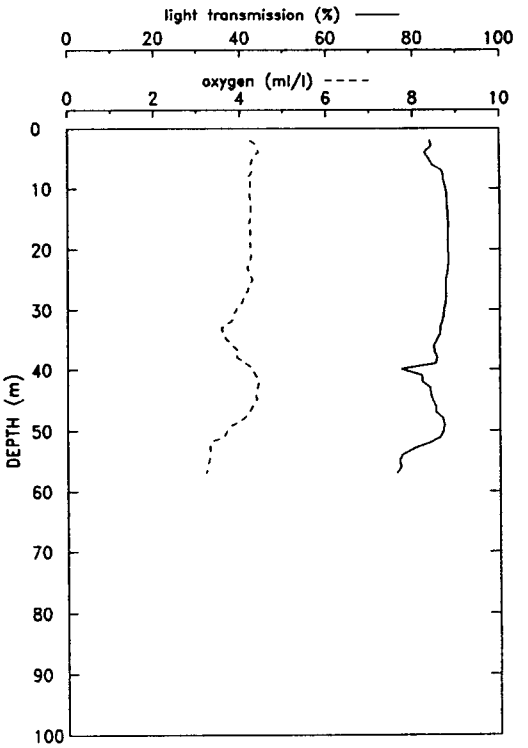
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.82	30.37	18.33	80.13	3.55
3.0	29.78	30.42	18.37	83.31	3.50
4.0	29.60	30.53	18.52	84.35	3.55
5.0	29.16	30.80	18.86	83.67	3.57
6.0	29.02	31.59	19.51	83.87	3.55
7.0	28.88	32.45	20.19	87.08	3.42
8.0	28.86	32.84	20.49	87.47	3.52
9.0	28.79	33.02	20.65	87.34	3.42
10.0	28.61	33.23	20.87	87.50	3.28
11.0	28.49	33.35	20.99	87.56	3.30
12.0	28.36	33.53	21.18	87.55	3.10
13.0	28.33	33.36	21.06	87.64	3.25
14.0	28.78	33.04	20.67	87.74	3.70
15.0	28.72	33.40	20.96	87.53	3.97
16.0	28.02	34.26	21.84	87.35	3.87
17.0	27.64	34.39	22.06	86.74	4.04
18.0	27.85	34.57	22.12	86.64	4.01
19.0	27.51	34.53	22.20	87.24	3.87
20.0	27.00	34.55	22.38	87.27	3.92
21.0	26.53	34.53	22.51	87.19	3.95
22.0	26.27	34.59	22.64	87.13	3.99
23.0	26.08	34.80	22.86	86.80	3.88
24.0	25.80	34.93	23.05	86.64	3.79
25.0	24.60	34.84	23.34	86.31	3.81

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
26.0	24.03	34.90	23.55	86.05	4.00
27.0	23.97	34.96	23.62	86.12	4.06
28.0	23.79	34.99	23.70	86.33	4.11
29.0	23.55	35.05	23.81	86.23	4.31
30.0	23.58	35.31	24.00	86.49	4.39
31.0	23.87	35.59	24.13	86.89	4.38
32.0	23.78	35.72	24.26	87.02	4.37
33.0	23.53	35.72	24.33	87.05	4.37
34.0	23.45	35.73	24.36	87.18	4.33
35.0	23.20	35.75	24.45	87.16	4.36
36.0	22.96	35.80	24.56	87.05	4.42
37.0	22.82	35.83	24.62	87.08	4.43
38.0	22.68	35.86	24.68	87.06	4.46
39.0	22.57	35.90	24.74	87.06	4.48
40.0	22.46	35.94	24.80	87.06	4.46
41.0	22.34	35.97	24.86	86.45	4.36
42.0	22.09	36.01	24.96	85.38	4.04
43.0	21.87	36.06	25.06	84.88	3.65
44.0	21.71	36.09	25.13	84.15	3.28
45.0	21.58	36.11	25.18	82.57	3.16
46.0	21.52	36.12	25.20	81.07	3.12
47.0	21.40	36.12	25.23	74.10	2.91
48.0	21.35	36.12	25.25	60.80	2.78
49.0	21.29	36.11	25.26	41.71	2.62

STATION 051

OP NUM: 931880020 LAT: 28 20.0 N LON: 92 00.0 W STATION DEPTH: 62 m



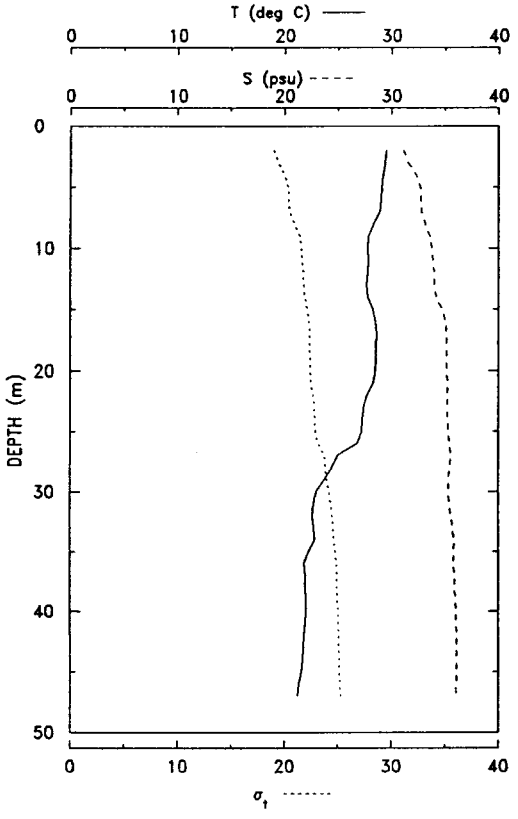


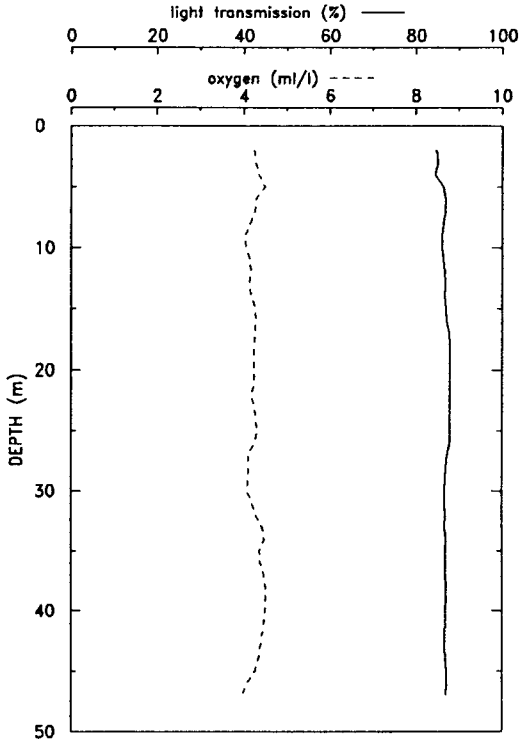
T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
29.92	29.03	17.29	83.91	4.25
29.77	29.24	17.49	84.07	4.41
29.71	29.68	17.85	82.69	4.43
29.58	30.58	18.56	83.50	4.29
29.05	33.58	20.98	84.44	4.26
28.90	34.10	21.43	86.71	4.29
28.94	34.72	21.87	86.99	4.21
28.67	34.97	22.15	87.14	4.24
28.59	35.00	22.20	87.61	4.24
28.54	35.03	22.25	87.74	4.23
28.45	35.04	22.28	87.81	4.25
28.43	35.04	22.29	87.88	4.26
28.39	35.05	22.30	87.93	4.27
28.37	35.08	22.34	87.97	4.24
28.28	35.10	22.38	88.11	4.22
28.12	35.07	22.41	88.06	4.24
27.97	35.05	22.44	87.98	4.24
27.86	35.04	22.47	87.96	4.25
27.75	35.07	22.53	88.04	4.25
27.63	35.15	22.63	88.12	4.26
27.48	35.14	22.67	88.09	4.24
27.42	35.13	22.69	88.06	4.16
27.01	35.04	22.75	87.90	4.23
26.83	35.10	22.85	87.60	4.28
26.88	35.34	23.01	87.53	4.22
26.66	35.44	23.16	87.58	4.17
26.25	35.55	23.37	87.53	4.09
25.38	35.54	23.64	87.41	4.03

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
30.0	25.13	35.48	23.67	87.12	3.91
31.0	24.71	35.39	23.73	86.91	3.83
32.0	23.94	35.27	23.87	86.61	3.80
33.0	23.14	35.15	24.01	86.25	3.58
34.0	22.42	35.14	24.21	86.18	3.59
35.0	21.65	35.14	24.42	85.52	3.68
36.0	21.18	35.27	24.65	84.75	3.82
37.0	21.10	35.38	24.76	84.88	3.96
38.0	21.02	35.50	24.87	85.50	3.92
39.0	20.76	35.55	24.98	85.22	4.13
40.0	20.95	35.83	25.14	77.43	4.30
41.0	20.96	35.89	25.18	81.97	4.36
42.0	21.14	36.01	25.23	82.08	4.45
43.0	21.26	36.09	25.25	83.76	4.40
44.0	21.17	36.11	25.29	84.00	4.38
45.0	21.06	36.13	25.34	84.38	4.39
46.0	21.02	36.14	25.35	85.18	4.29
47.0	20.99	36.16	25.38	85.23	4.20
48.0	20.95	36.22	25.44	86.77	4.10
49.0	20.88	36.23	25.47	87.15	3.84
50.0	20.78	36.23	25.49	87.02	3.70
51.0	20.52	36.21	25.55	86.14	3.63
52.0	20.36	36.18	25.57	83.84	3.32
53.0	20.32	36.18	25.57	80.15	3.30
54.0	20.31	36.17	25.58	77.41	3.30
55.0	20.31	36.17	25.58	76.83	3.28
56.0	20.30	36.17	25.58	77.09	3.26
57.0	20.29	36.17	25.58	76.19	3.21

STATION 052

OP NUM: 931880355 LAT: 28 20.0 N LON: 91 29.9 W STATION DEPTH: 65 m



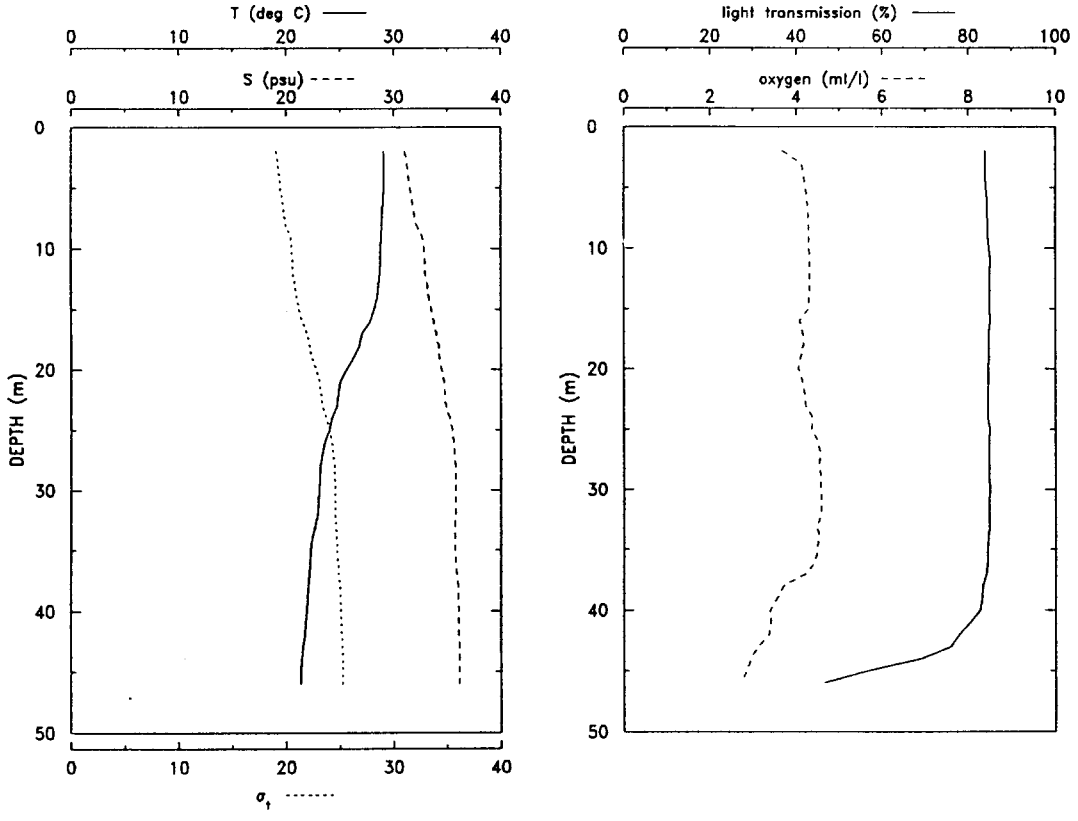


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.49	31.12	18.99	84.71	4.24
3.0	29.38	31.57	19.37	85.08	4.27
4.0	29.20	32.29	19.97	84.48	4.35
5.0	29.08	32.70	20.31	86.37	4.49
6.0	29.06	32.73	20.35	86.79	4.29
7.0	28.92	32.80	20.44	86.77	4.26
8.0	28.32	33.14	20.90	86.37	4.15
9.0	27.84	33.60	21.39	86.07	4.03
10.0	27.77	33.74	21.53	85.99	4.05
11.0	27.83	33.87	21.60	86.34	4.14
12.0	27.77	33.99	21.71	86.58	4.18
13.0	27.69	34.00	21.75	86.74	4.14
14.0	27.77	34.16	21.84	86.69	4.17
15.0	28.27	34.73	22.11	86.89	4.28
16.0	28.54	35.06	22.26	87.07	4.29
17.0	28.60	35.14	22.30	87.68	4.26
18.0	28.57	35.16	22.33	87.80	4.25
19.0	28.54	35.17	22.34	87.83	4.25
20.0	28.48	35.19	22.38	87.85	4.25
21.0	28.35	35.21	22.44	87.86	4.24
22.0	27.71	35.23	22.67	87.85	4.19
23.0	27.43	35.25	22.77	87.87	4.25
24.0	27.30	35.27	22.82	87.88	4.29

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
25.0	27.23	35.33	22.89	87.86	4.32
26.0	26.82	35.46	23.12	87.78	4.25
27.0	25.01	35.55	23.76	87.31	4.11
28.0	24.43	35.44	23.85	86.96	4.12
29.0	23.72	35.31	23.96	86.76	4.09
30.0	22.98	35.35	24.20	86.58	4.09
31.0	22.75	35.42	24.33	86.61	4.19
32.0	22.64	35.58	24.48	86.76	4.28
33.0	22.75	35.75	24.58	86.66	4.43
34.0	22.82	35.88	24.65	86.90	4.48
35.0	22.23	35.83	24.78	86.76	4.37
36.0	21.86	35.81	24.87	86.79	4.39
37.0	21.94	35.93	24.95	86.85	4.47
38.0	21.97	35.96	24.95	86.96	4.51
39.0	21.99	36.02	25.00	86.89	4.51
40.0	22.00	36.07	25.03	86.85	4.50
41.0	21.97	36.09	25.06	86.80	4.48
42.0	21.86	36.10	25.10	86.59	4.43
43.0	21.79	36.12	25.13	86.60	4.39
44.0	21.72	36.13	25.16	86.85	4.34
45.0	21.62	36.13	25.19	87.08	4.27
46.0	21.34	36.10	25.24	87.06	4.09
47.0	21.21	36.09	25.27	87.01	3.97

STATION 053

OP NUM: 931881105 LAT: 28 30.0 N LON: 91 30.0 W STATION DEPTH: 48 m

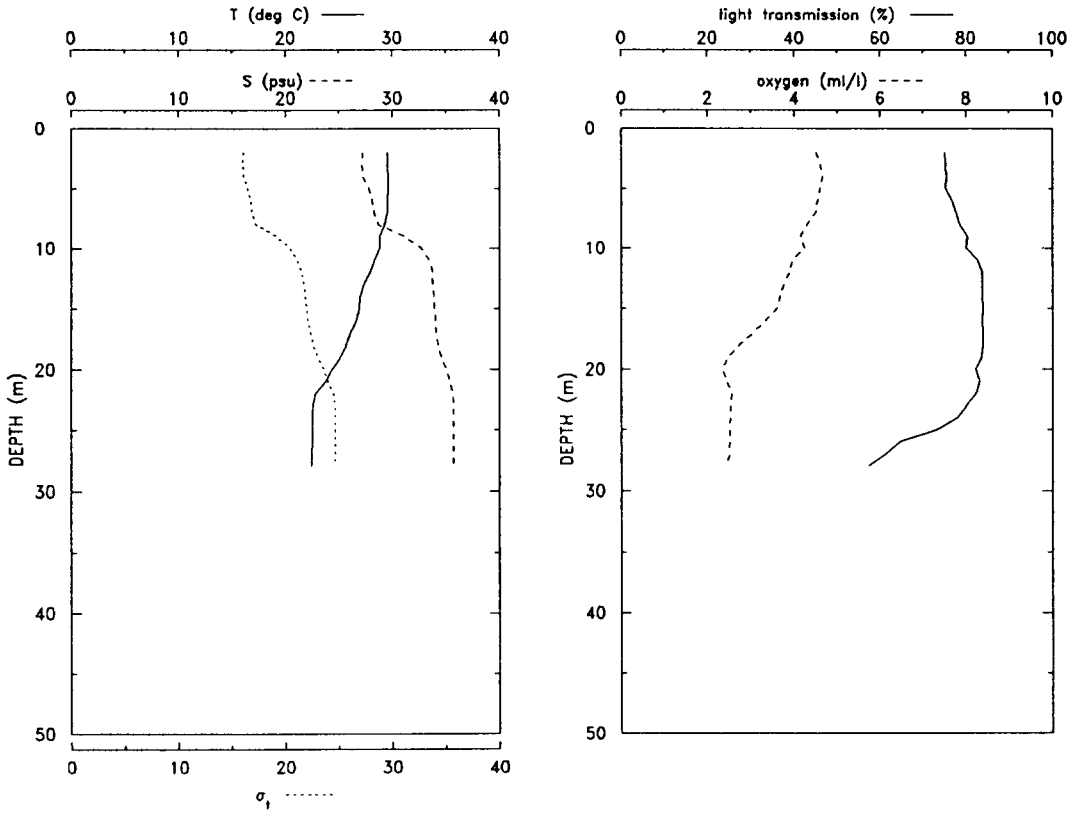


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.02	31.00	19.06	83.85	3.67
3.0	29.05	31.23	19.22	83.89	4.13
4.0	29.06	31.37	19.32	83.87	4.17
5.0	29.04	31.53	19.45	83.99	4.23
6.0	28.98	31.72	19.61	84.20	4.26
7.0	28.92	31.89	19.76	84.32	4.28
8.0	28.87	32.12	19.94	84.43	4.30
9.0	28.83	32.68	20.38	84.46	4.30
10.0	28.77	32.83	20.51	84.79	4.31
11.0	28.75	32.90	20.57	84.98	4.32
12.0	28.69	32.94	20.62	84.92	4.32
13.0	28.58	33.13	20.80	84.88	4.32
14.0	28.45	33.27	20.95	84.85	4.31
15.0	28.17	33.49	21.20	84.90	4.30
16.0	27.78	33.72	21.50	84.98	4.09
17.0	27.03	33.97	21.93	84.70	4.16
18.0	26.79	34.19	22.18	84.72	4.17
19.0	26.27	34.26	22.39	84.73	4.11
20.0	25.57	34.48	22.77	84.55	4.06
21.0	25.01	34.69	23.11	84.52	4.15
22.0	24.82	34.76	23.21	84.45	4.20
23.0	24.69	34.87	23.34	84.45	4.23
24.0	24.21	35.21	23.74	84.47	4.38

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
25.0	23.97	35.44	23.99	84.80	4.36
26.0	23.55	35.58	24.22	84.78	4.51
27.0	23.34	35.68	24.35	84.78	4.56
28.0	23.17	35.77	24.47	84.76	4.54
29.0	23.11	35.77	24.48	84.77	4.57
30.0	23.04	35.76	24.50	84.80	4.58
31.0	22.94	35.75	24.52	84.72	4.59
32.0	22.89	35.75	24.53	84.73	4.59
33.0	22.70	35.73	24.58	84.72	4.49
34.0	22.35	35.71	24.66	84.62	4.53
35.0	22.24	35.73	24.71	84.29	4.49
36.0	22.22	35.80	24.77	84.34	4.45
37.0	22.12	35.88	24.85	84.15	4.25
38.0	22.03	35.99	24.97	83.25	3.70
39.0	21.98	36.03	25.01	83.13	3.56
40.0	21.90	36.05	25.05	82.66	3.40
41.0	21.78	36.08	25.10	80.39	3.41
42.0	21.69	36.10	25.14	77.90	3.38
43.0	21.55	36.10	25.18	75.86	3.13
44.0	21.40	36.10	25.23	68.98	2.94
45.0	21.35	36.10	25.24	56.71	2.85
46.0	21.35	36.10	25.24	46.65	2.73

STATION 054

OP NUM: 931881225 LAT: 28 40.0 N LON: 91 29.9 W STATION DEPTH: 28 m

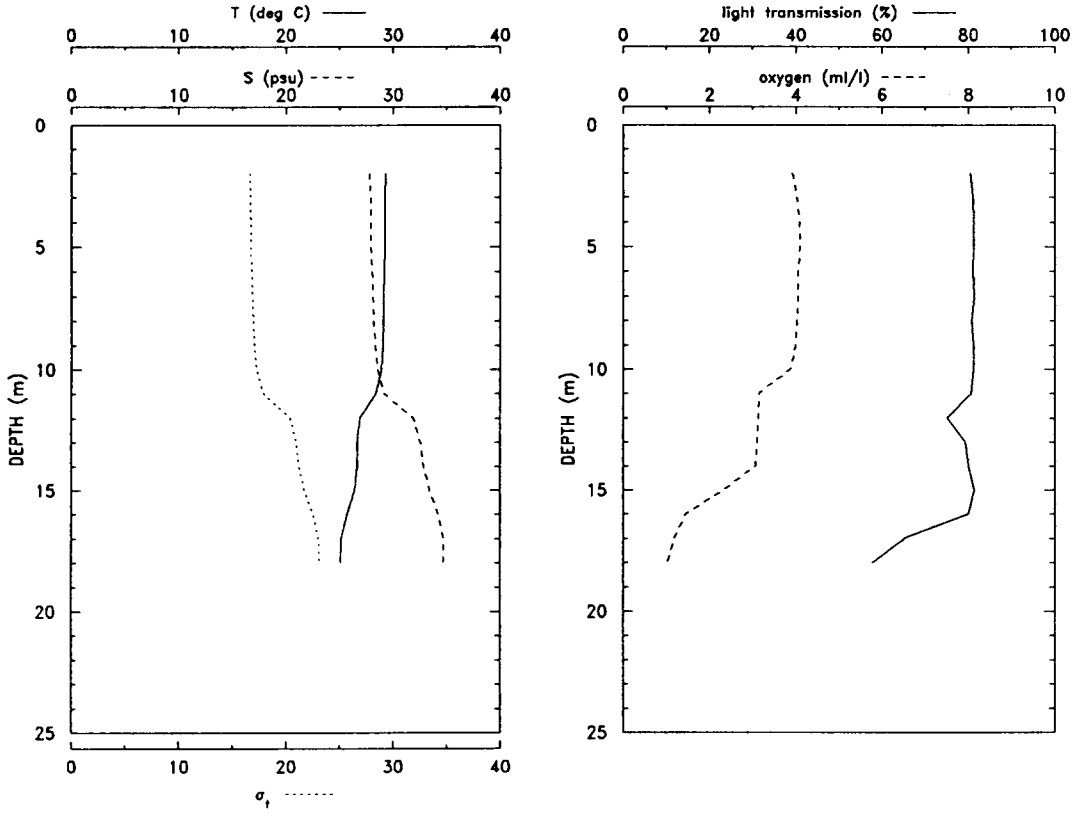


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.53	27.19	16.04	74.98	4.52
3.0	29.53	27.16	16.02	75.25	4.61
4.0	29.55	27.23	16.06	75.31	4.66
5.0	29.58	27.78	16.47	75.23	4.60
6.0	29.54	28.12	16.73	76.69	4.55
7.0	29.51	28.28	16.86	77.54	4.51
8.0	29.30	28.71	17.25	78.50	4.30
9.0	28.80	31.07	19.18	80.31	4.16
10.0	28.80	32.67	20.39	80.00	4.24
11.0	28.32	33.42	21.11	82.61	3.97
12.0	27.94	33.76	21.49	83.64	3.89
13.0	27.30	33.77	21.70	83.63	3.77
14.0	26.97	33.85	21.86	83.74	3.68
15.0	26.88	33.95	21.96	83.78	3.61

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
16.0	26.61	34.01	22.10	83.66	3.35
17.0	26.08	34.12	22.35	83.77	3.07
18.0	25.66	34.25	22.58	83.88	2.74
19.0	25.08	34.58	23.00	83.48	2.49
20.0	24.31	35.07	23.60	82.15	2.35
21.0	23.74	35.31	23.96	83.09	2.44
22.0	22.79	35.66	24.50	82.36	2.57
23.0	22.57	35.72	24.60	80.07	2.53
24.0	22.51	35.73	24.63	78.01	2.53
25.0	22.48	35.73	24.64	73.31	2.52
26.0	22.47	35.74	24.65	64.58	2.51
27.0	22.45	35.74	24.65	61.37	2.51
28.0	22.44	35.74	24.66	57.38	2.43

STATION 055

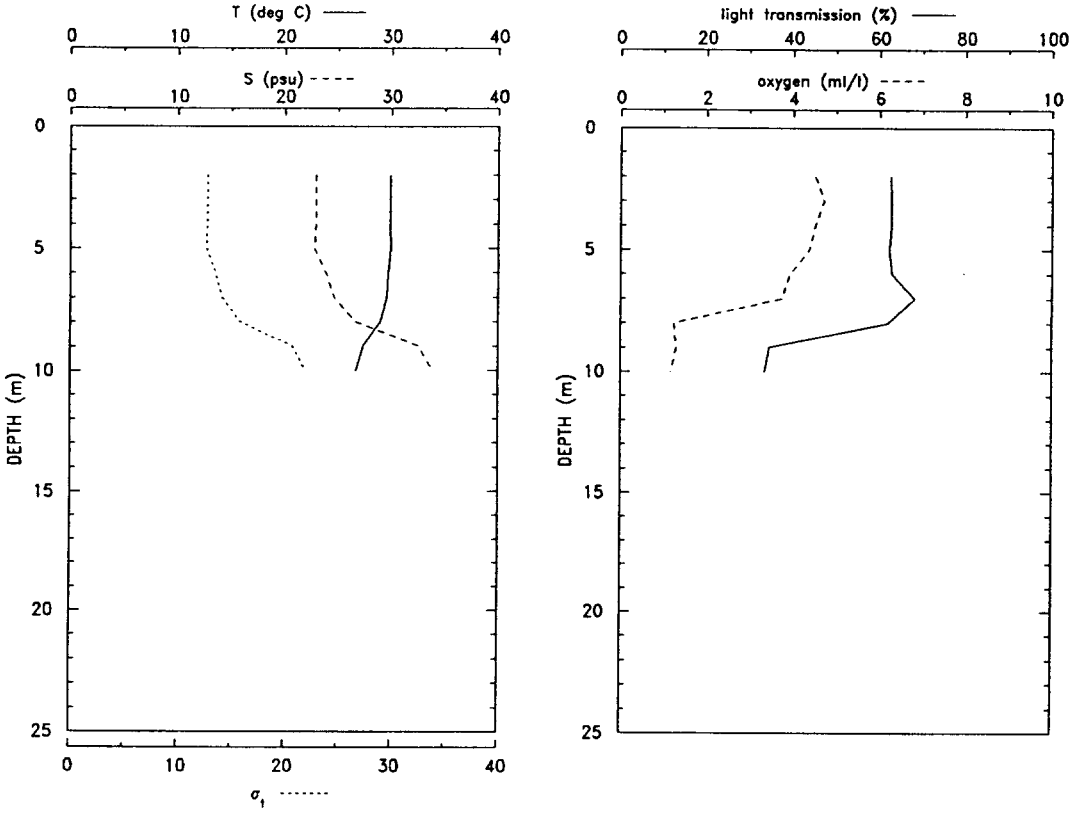
OP NUM: 931881340 LAT: 28 50.0 N LON: 91 29.9 W STATION DEPTH: 18 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.28	27.79	16.57	80.44	3.92
3.0	29.25	27.89	16.66	80.95	4.02
4.0	29.23	27.92	16.69	81.16	4.08
5.0	29.23	27.93	16.69	81.14	4.10
6.0	29.15	28.06	16.82	80.96	4.05
7.0	29.11	28.12	16.87	81.28	4.05
8.0	29.08	28.20	16.94	80.76	4.03
9.0	29.04	28.34	17.06	81.12	3.99
10.0	28.93	28.54	17.25	81.13	3.88
11.0	28.36	29.18	17.91	80.51	3.14
12.0	26.93	31.93	20.43	74.98	3.13
13.0	26.69	32.55	20.98	79.22	3.10
14.0	26.68	32.86	21.21	79.98	3.06
15.0	26.40	33.42	21.72	81.24	2.33
16.0	25.70	34.20	22.53	79.97	1.45
17.0	25.17	34.68	23.05	65.15	1.18
18.0	25.10	34.71	23.09	57.84	1.02

STATION 056

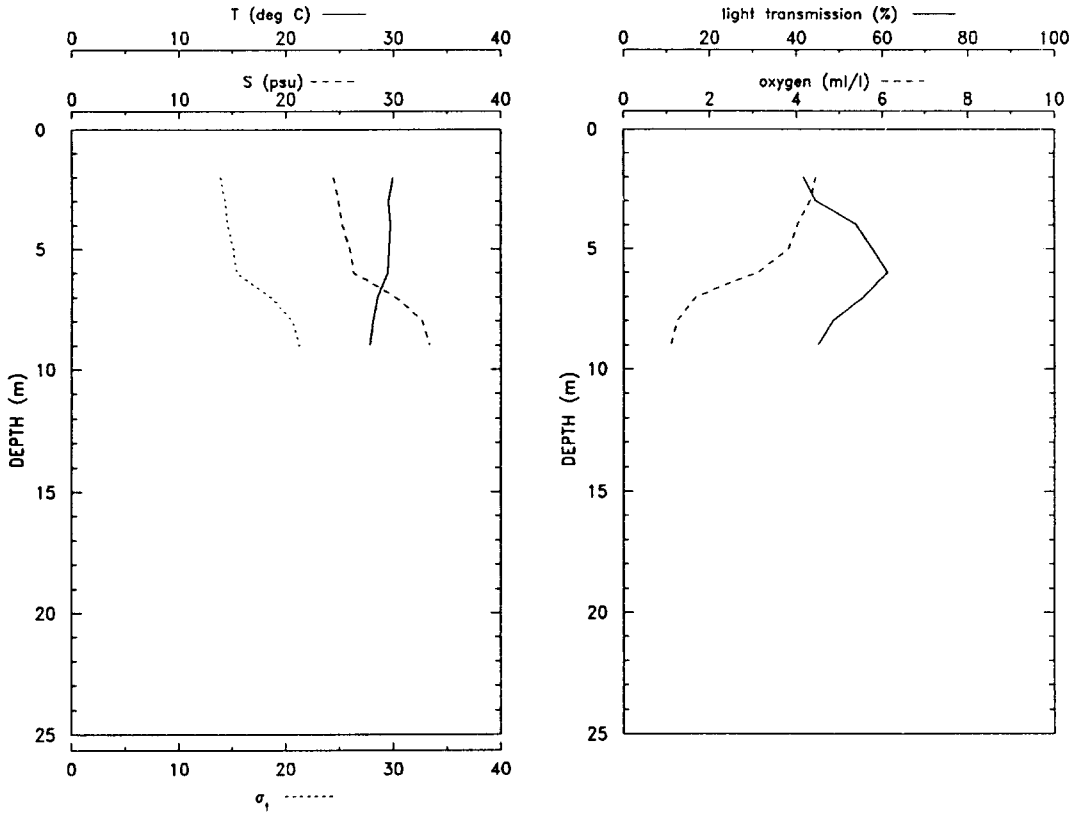
OP NUM: 931881501 LAT: 28 59.1 N LON: 91 29.9 W STATION DEPTH: 11 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.90	22.89	12.71	62.56	4.52
3.0	29.90	22.91	12.72	62.68	4.72
4.0	29.90	22.88	12.71	62.71	4.52
5.0	29.91	22.80	12.64	62.20	4.38
6.0	29.72	23.87	13.50	62.84	3.92
7.0	29.59	24.65	14.12	68.01	3.75
8.0	28.97	26.62	15.80	61.87	1.24
9.0	27.39	32.57	20.77	34.56	1.30
10.0	26.72	33.86	21.95	33.44	1.18

STATION 057

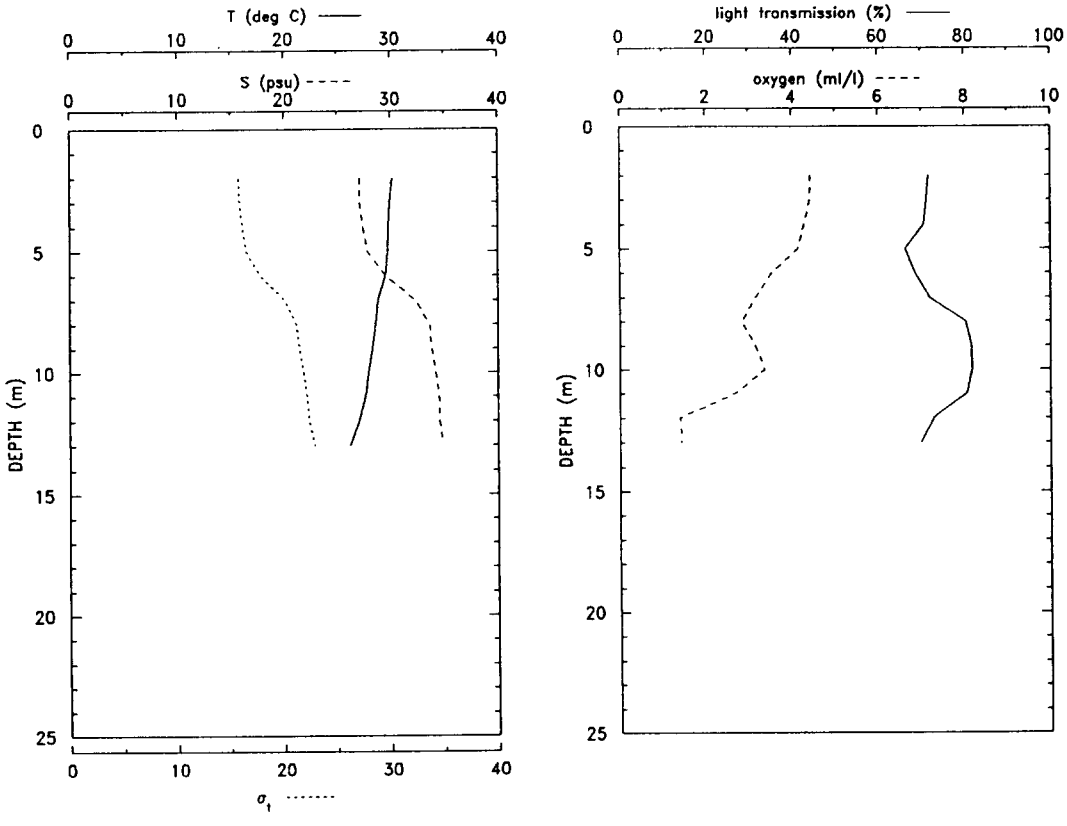
OP NUM: 931881840 LAT: 28 50.0 N LON: 90 59.7 W STATION DEPTH: 9 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.91	24.41	13.85	41.73	4.46
3.0	29.53	24.86	14.30	44.48	4.32
4.0	29.72	25.23	14.52	53.92	4.02
5.0	29.60	25.95	15.09	57.57	3.82
6.0	29.48	26.30	15.40	61.26	3.11
7.0	28.51	30.18	18.61	55.72	1.68
8.0	28.11	32.68	20.61	48.61	1.25
9.0	27.77	33.36	21.24	45.19	1.09

STATION 058

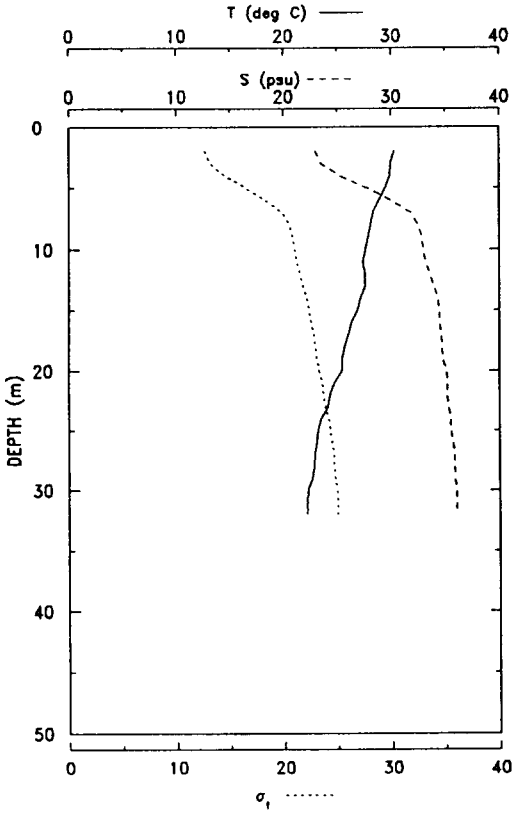
OP NUM: 931882000 LAT: 28 39.9 N LON: 90 59.9 W STATION DEPTH: 16 m

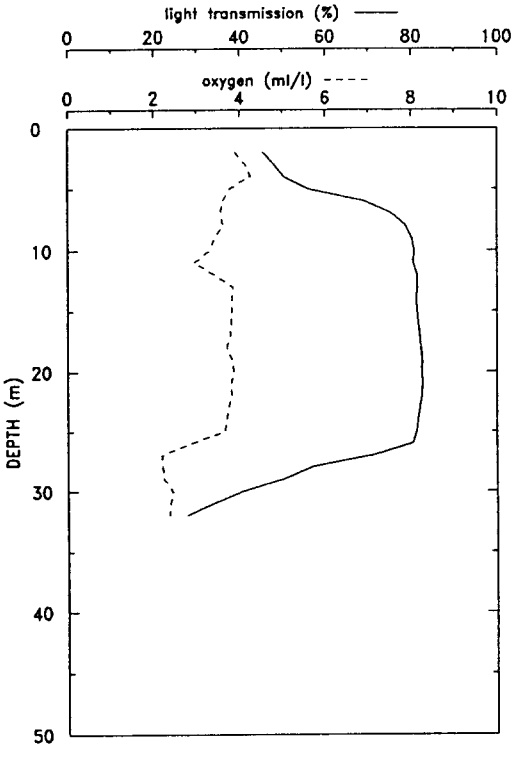


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	30.19	27.13	15.78	71.65	4.43
3.0	29.96	27.13	15.86	71.16	4.43
4.0	29.83	27.44	16.13	70.59	4.29
5.0	29.77	27.88	16.48	66.28	4.15
6.0	29.50	29.53	17.80	68.56	3.54
7.0	28.83	32.30	20.10	71.72	3.16
8.0	28.58	33.60	21.16	80.28	2.84
9.0	28.27	33.82	21.42	81.52	3.16
10.0	27.90	34.18	21.81	81.69	3.37
11.0	27.60	34.49	22.14	80.49	2.68
12.0	27.00	34.53	22.37	72.75	1.41
13.0	26.17	34.86	22.88	69.83	1.44

STATION 059

OP NUM: 931882130 LAT: 28 29.9 N LON: 90 59.9 W STATION DEPTH: 34 m



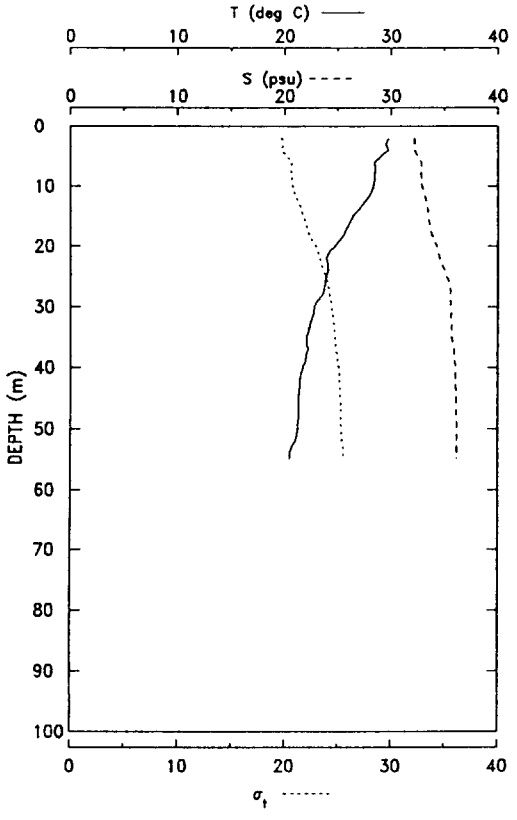


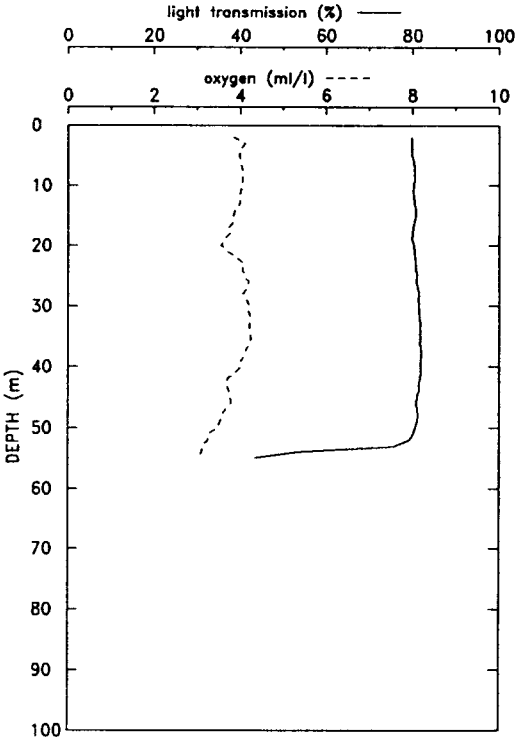
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	30.28	22.95	12.63	45.51	3.89
3.0	29.96	23.50	13.14	48.23	4.15
4.0	29.88	25.19	14.44	50.69	4.27
5.0	29.43	27.67	16.43	56.15	3.78
6.0	28.87	29.84	18.24	69.27	3.60
7.0	28.35	31.77	19.86	75.56	3.57
8.0	28.07	32.51	20.50	78.83	3.63
9.0	27.83	32.80	20.80	80.23	3.42
10.0	27.63	32.98	21.00	80.75	3.30
11.0	27.39	33.17	21.22	80.62	2.94
12.0	27.53	33.60	21.50	81.39	3.44
13.0	27.54	33.99	21.79	81.43	3.86
14.0	27.12	34.30	22.15	81.25	3.84
15.0	26.84	34.43	22.34	81.48	3.82
16.0	26.31	34.46	22.53	81.74	3.81
17.0	26.01	34.66	22.78	81.98	3.79

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
18.0	25.63	34.70	22.92	82.29	3.71
19.0	25.39	34.77	23.05	82.59	3.84
20.0	25.42	35.10	23.29	82.41	3.87
21.0	24.72	35.18	23.56	82.64	3.80
22.0	24.26	35.16	23.68	82.47	3.82
23.0	24.08	35.30	23.84	82.10	3.74
24.0	23.44	35.45	24.15	81.52	3.70
25.0	23.12	35.52	24.29	81.32	3.65
26.0	23.01	35.68	24.45	80.34	2.86
27.0	22.85	35.84	24.61	71.40	2.19
28.0	22.78	35.85	24.65	56.67	2.20
29.0	22.59	35.90	24.73	50.17	2.24
30.0	22.17	36.01	24.94	40.72	2.44
31.0	22.12	36.03	24.97	33.99	2.39
32.0	22.11	36.03	24.97	27.68	2.36

STATION 060

OP NUM: 931882240 LAT: 28 20.0 N LON: 90 59.9 W STATION DEPTH: 56 m



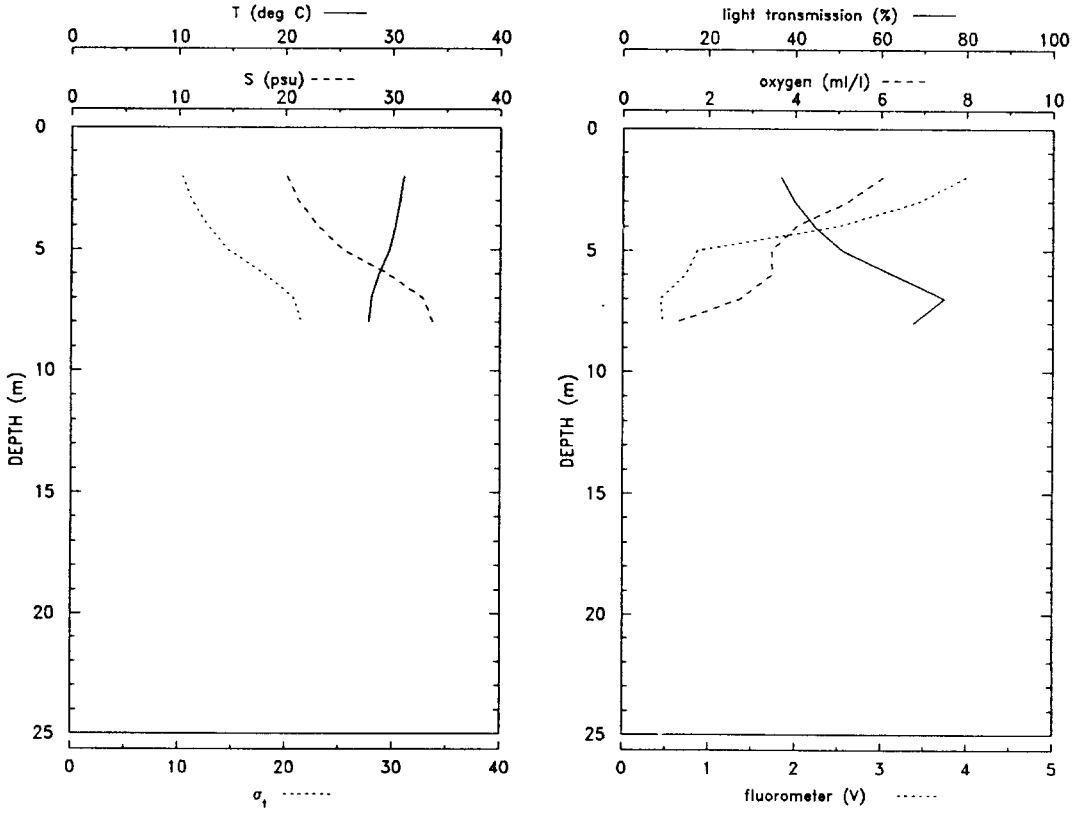


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
2.0	29.75	32.18	19.70	79.80	3.84
3.0	29.54	32.22	19.80	79.87	4.11
4.0	29.73	32.17	19.70	79.83	4.00
5.0	29.07	32.47	20.15	79.87	3.97
6.0	28.43	32.87	20.66	80.18	4.01
7.0	28.49	32.82	20.60	80.42	4.03
8.0	28.47	32.82	20.61	80.35	4.05
9.0	28.44	32.83	20.62	80.38	4.05
10.0	28.33	32.91	20.72	80.29	4.05
11.0	28.14	33.03	20.87	80.17	4.00
12.0	27.80	33.23	21.13	80.23	3.99
13.0	27.39	33.32	21.33	80.33	4.00
14.0	26.88	33.43	21.58	80.63	3.88
15.0	26.44	33.48	21.75	80.73	3.84
16.0	26.15	33.57	21.91	80.41	3.83
17.0	25.81	33.70	22.11	80.16	3.74
18.0	25.56	33.81	22.28	79.95	3.76
19.0	25.16	34.05	22.58	79.80	3.63
20.0	24.72	34.31	22.90	80.22	3.55
21.0	24.14	34.42	23.16	80.44	3.71
22.0	23.92	34.56	23.33	80.61	3.92
23.0	24.03	34.78	23.47	80.68	4.08
24.0	24.11	35.08	23.67	80.70	4.06
25.0	23.92	35.24	23.85	80.98	4.09
26.0	23.81	35.47	24.06	80.89	4.20
27.0	23.76	35.57	24.15	81.08	4.17
28.0	23.57	35.57	24.20	81.37	4.06

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)
29.0	23.10	35.57	24.34	81.31	4.16
30.0	22.79	35.59	24.45	81.40	4.21
31.0	22.70	35.64	24.51	81.37	4.20
32.0	22.55	35.67	24.57	81.61	4.23
33.0	22.40	35.69	24.63	81.68	4.21
34.0	22.25	35.71	24.68	81.71	4.21
35.0	22.07	35.71	24.74	81.81	4.24
36.0	22.09	35.81	24.81	81.79	4.25
37.0	22.20	35.93	24.87	81.94	4.14
38.0	22.02	35.96	24.94	82.02	4.11
39.0	21.93	36.02	25.02	81.87	4.02
40.0	21.74	36.07	25.10	81.95	4.01
41.0	21.56	36.06	25.15	81.84	3.89
42.0	21.45	36.07	25.19	81.75	3.71
43.0	21.43	36.09	25.21	81.43	3.67
44.0	21.38	36.10	25.23	81.48	3.72
45.0	21.32	36.11	25.25	81.06	3.77
46.0	21.29	36.11	25.27	80.81	3.78
47.0	21.28	36.12	25.27	80.98	3.66
48.0	21.29	36.15	25.29	81.15	3.56
49.0	21.27	36.17	25.31	80.98	3.53
50.0	21.23	36.18	25.33	80.58	3.49
51.0	21.11	36.20	25.37	80.15	3.26
52.0	20.98	36.20	25.41	79.26	3.25
53.0	20.63	36.21	25.52	75.95	3.12
54.0	20.49	36.21	25.55	52.96	3.09
55.0	20.48	36.20	25.55	43.42	3.08

STATION 061

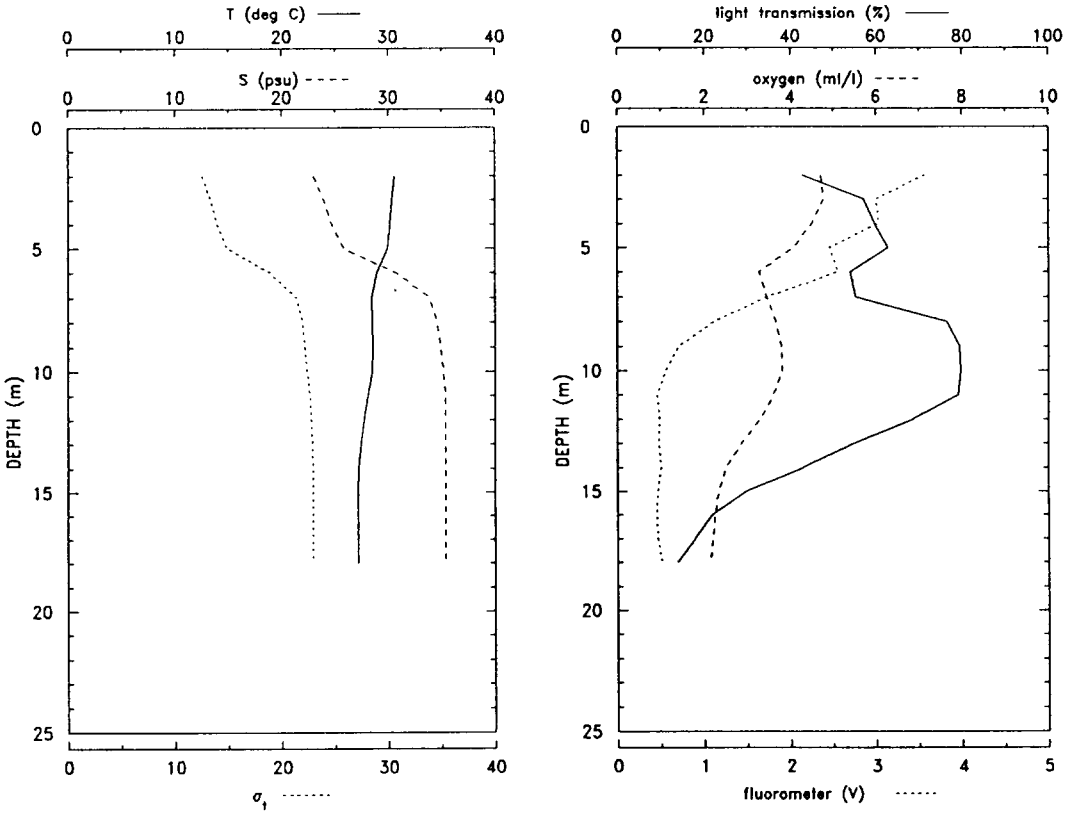
OP NUM: 931892130 LAT: 28 59.9 N LON: 90 29.9 W STATION DEPTH: 10 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluorometer (V)
2.0	30.98	20.12	10.30	36.79	6.03	3.99
3.0	30.66	21.15	11.16	39.97	5.23	3.45
4.0	30.21	22.93	12.64	44.57	4.02	2.51
5.0	29.68	25.30	14.58	51.05	3.46	.87
6.0	28.74	29.44	17.99	62.84	3.46	.74
7.0	28.02	32.78	20.72	74.69	2.74	.44
8.0	27.80	33.73	21.51	67.61	1.21	.47

STATION 062

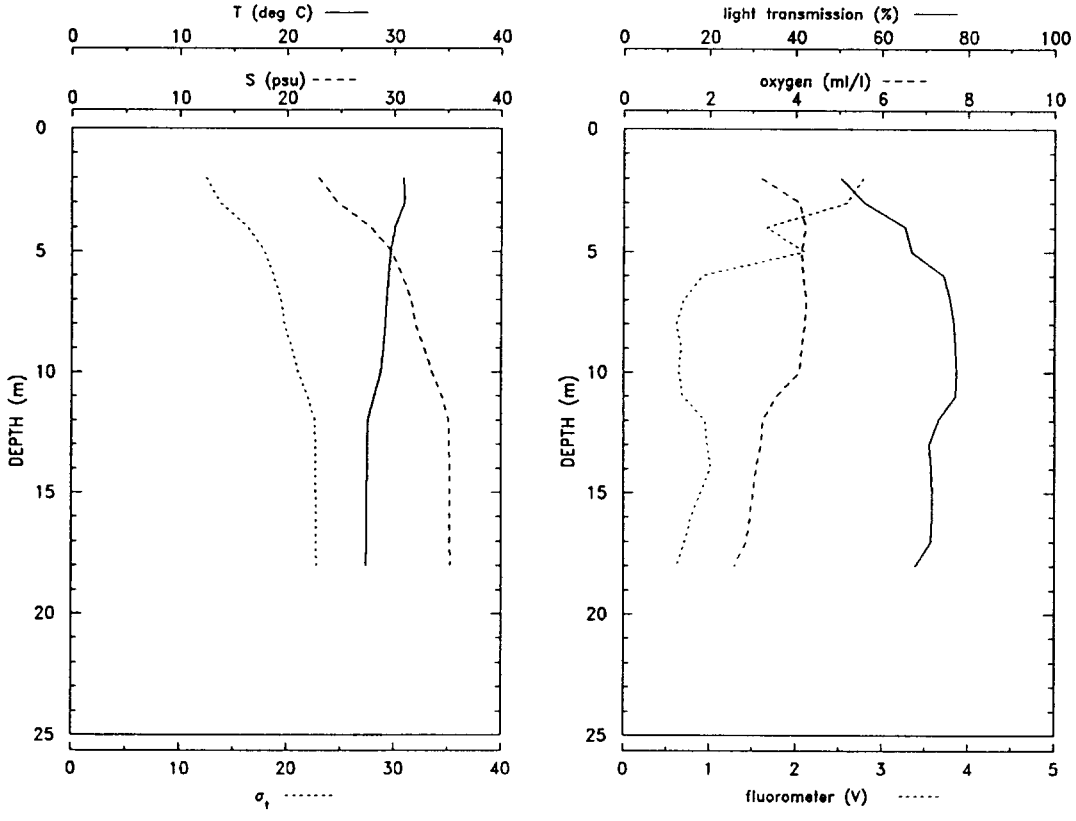
OP NUM: 931892250 LAT: 28 49.9 N LON: 90 29.9 W STATION DEPTH: 18 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluorometer (V)
2.0	30.59	22.95	12.53	42.93	4.72	3.57
3.0	30.36	23.94	13.34	57.18	4.78	3.00
4.0	30.15	24.67	13.95	59.76	4.52	3.04
5.0	29.92	25.82	14.89	62.88	4.08	2.46
6.0	28.95	30.77	18.91	54.01	3.28	2.56
7.0	28.48	33.88	21.40	55.24	3.45	1.74
8.0	28.50	34.60	21.93	76.41	3.66	1.12
9.0	28.55	34.91	22.15	79.30	3.79	.71
10.0	28.53	35.19	22.36	79.62	3.81	.56
11.0	28.10	35.36	22.64	79.03	3.60	.46
12.0	27.75	35.38	22.76	68.68	3.30	.49
13.0	27.45	35.35	22.84	54.90	2.86	.48
14.0	27.22	35.33	22.90	43.04	2.50	.50
15.0	27.16	35.34	22.92	29.61	2.32	.46
16.0	27.15	35.34	22.93	21.81	2.24	.45
17.0	27.15	35.35	22.93	17.83	2.20	.46
18.0	27.15	35.35	22.93	13.87	2.14	.51

STATION 063

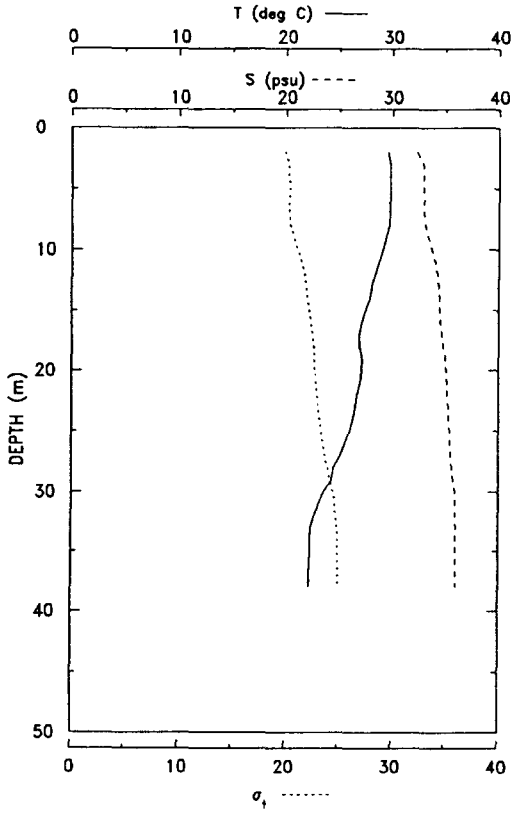
OP NUM: 931900020 LAT: 28 40.0 N LON: 90 30.0 W STATION DEPTH: 20 m

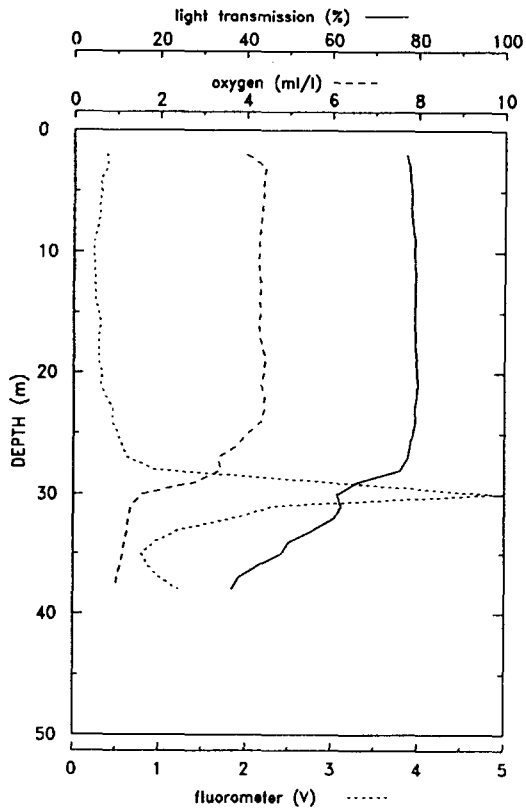


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluorometer (V)
2.0	30.82	22.92	12.43	50.53	3.21	2.78
3.0	30.93	24.65	13.68	56.02	4.09	2.59
4.0	30.08	27.76	16.28	65.29	4.23	1.66
5.0	29.64	29.71	17.89	66.82	4.13	2.10
6.0	29.48	30.74	18.71	74.31	4.17	.92
7.0	29.25	31.58	19.42	75.84	4.25	.70
8.0	29.14	31.95	19.73	76.71	4.22	.62
9.0	28.96	32.81	20.43	76.97	4.14	.67
10.0	28.77	33.52	21.03	77.33	4.09	.64
11.0	28.14	34.44	21.93	76.94	3.55	.69
12.0	27.58	35.07	22.58	73.01	3.23	.94
13.0	27.50	35.13	22.66	70.93	3.19	.97
14.0	27.48	35.16	22.69	71.25	3.08	1.01
15.0	27.46	35.17	22.70	71.62	3.01	.90
16.0	27.44	35.17	22.70	71.67	2.94	.78
17.0	27.43	35.17	22.71	71.36	2.85	.71
18.0	27.36	35.23	22.78	67.70	2.57	.62

STATION 064

OP NUM: 931900140 LAT: 28 29.6 N LON: 90 29.9 W STATION DEPTH: 38 m



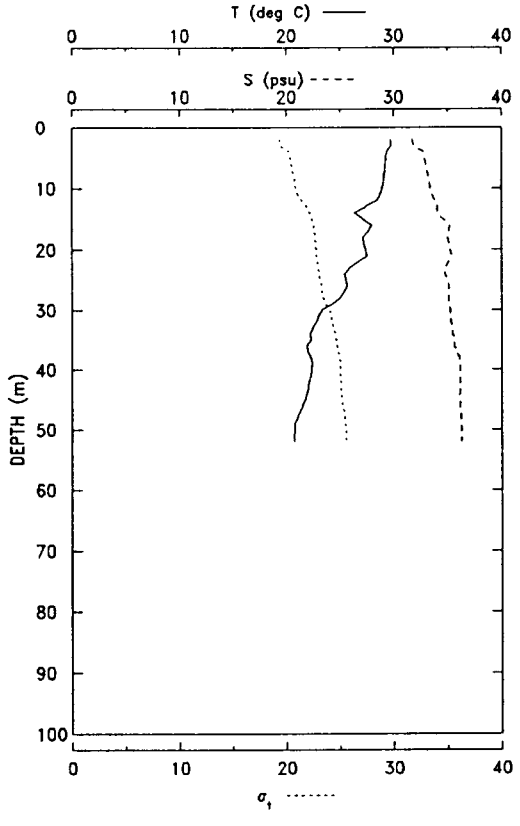


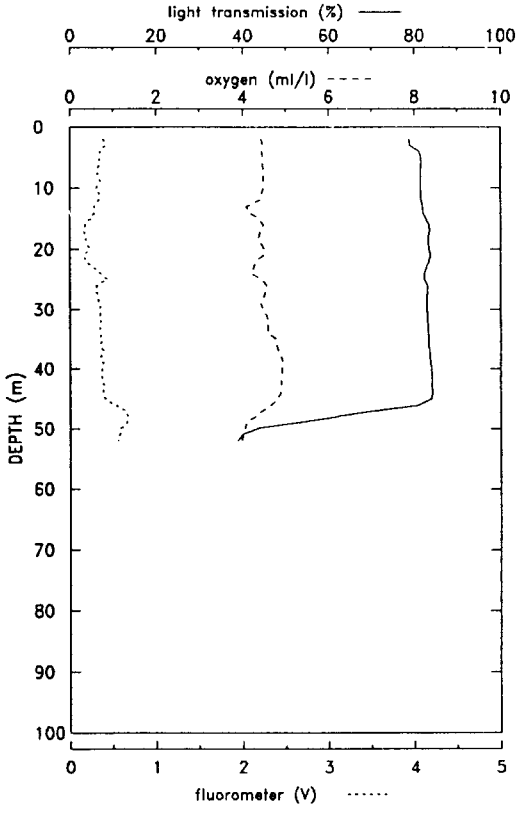
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.58	32.30	19.85	77.14	4.00	.38
3.0	29.75	32.92	20.26	77.94	4.45	.39
4.0	29.75	32.92	20.26	78.06	4.40	.31
5.0	29.74	32.93	20.26	78.26	4.39	.32
6.0	29.74	32.95	20.28	78.29	4.38	.30
7.0	29.73	32.98	20.31	78.41	4.37	.31
8.0	29.67	33.11	20.42	78.82	4.33	.28
9.0	29.39	33.40	20.73	79.15	4.31	.24
10.0	29.10	33.72	21.07	79.01	4.30	.23
11.0	28.73	34.02	21.42	79.18	4.29	.24
12.0	28.36	34.22	21.69	79.31	4.31	.25
13.0	28.11	34.42	21.92	79.33	4.35	.25
14.0	27.90	34.47	22.03	79.36	4.32	.25
15.0	27.48	34.48	22.18	79.21	4.33	.29
16.0	27.12	34.53	22.33	79.14	4.31	.32
17.0	26.92	34.67	22.49	79.29	4.31	.29
18.0	26.90	34.78	22.59	79.43	4.40	.29
19.0	27.21	35.04	22.68	79.65	4.45	.29
20.0	27.13	35.10	22.75	79.85	4.43	.34

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
21.0	27.03	35.15	22.82	79.89	4.37	.32
22.0	26.73	35.19	22.95	79.68	4.43	.37
23.0	26.57	35.27	23.06	79.28	4.42	.46
24.0	26.28	35.29	23.17	79.30	4.37	.44
25.0	26.03	35.40	23.33	78.79	4.04	.51
26.0	25.62	35.47	23.51	78.24	3.80	.57
27.0	25.15	35.53	23.70	77.66	3.36	.63
28.0	24.50	35.65	23.99	75.94	3.43	.94
29.0	24.33	35.77	24.13	66.00	2.85	3.00
30.0	23.59	35.96	24.49	61.32	1.60	4.86
31.0	23.07	35.96	24.64	62.18	1.34	2.31
32.0	22.74	36.00	24.77	60.69	1.28	1.88
33.0	22.37	36.04	24.91	56.05	1.25	1.24
34.0	22.34	36.03	24.91	50.11	1.19	.96
35.0	22.30	36.02	24.91	48.41	1.15	.79
36.0	22.24	36.01	24.92	43.01	1.09	.86
37.0	22.22	36.01	24.92	38.49	1.02	.99
38.0	22.21	36.00	24.92	36.82	0.97	1.21

STATION 065

OP NUM: 931900250 LAT: 28 19.9 N LON: 90 30.0 W STATION DEPTH: 54 m



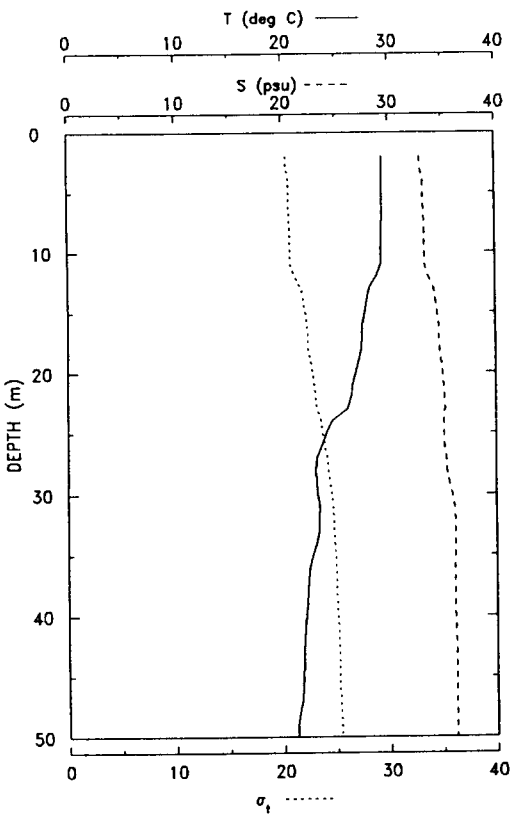


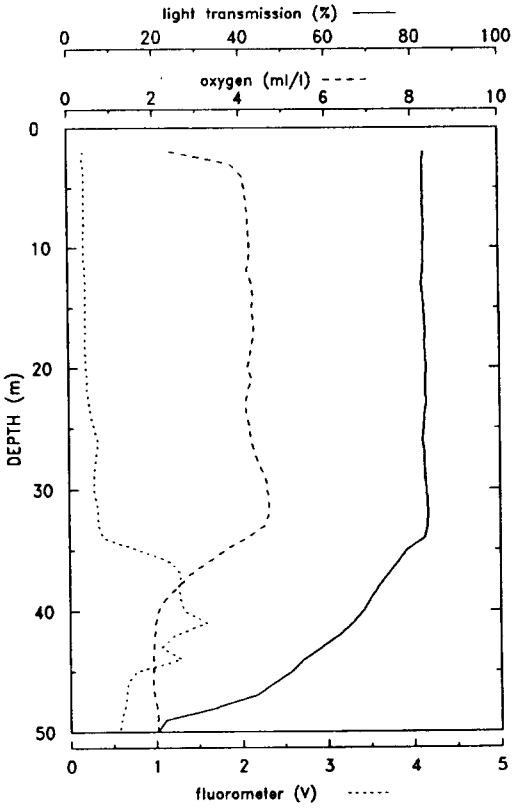
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.73	31.71	19.36	78.81	4.44	.39
3.0	29.77	31.85	19.45	78.98	4.47	.41
4.0	29.37	32.71	20.23	81.09	4.45	.35
5.0	29.29	32.86	20.36	81.45	4.47	.34
6.0	29.24	32.97	20.46	81.52	4.47	.34
7.0	29.17	33.09	20.58	81.40	4.48	.32
8.0	29.08	33.22	20.71	81.43	4.47	.32
9.0	29.01	33.30	20.78	81.49	4.48	.35
10.0	28.93	33.38	20.88	81.42	4.47	.31
11.0	28.75	33.57	21.08	81.51	4.45	.34
12.0	28.43	33.87	21.41	81.64	4.42	.33
13.0	27.36	34.07	21.90	81.84	4.10	.28
14.0	26.37	34.05	22.20	82.09	4.15	.29
15.0	27.15	34.61	22.38	82.60	4.37	.24
16.0	27.90	35.15	22.54	83.31	4.49	.18
17.0	27.64	35.14	22.62	83.58	4.41	.16
18.0	27.16	35.00	22.67	83.22	4.37	.18
19.0	27.21	35.10	22.73	83.18	4.44	.19
20.0	27.37	35.22	22.77	83.40	4.49	.23
21.0	27.49	35.34	22.82	83.64	4.48	.16
22.0	26.66	35.08	22.89	83.41	4.31	.18
23.0	25.88	34.85	22.96	82.77	4.25	.28
24.0	25.38	34.74	23.03	82.36	4.21	.36
25.0	25.52	34.92	23.12	82.32	4.43	.44
26.0	25.66	35.14	23.25	83.11	4.56	.32
27.0	25.38	35.11	23.31	83.10	4.53	.31

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
28.0	24.99	35.11	23.43	82.96	4.50	.33
29.0	24.29	35.12	23.65	82.98	4.42	.34
30.0	23.32	35.23	24.02	82.98	4.47	.35
31.0	22.95	35.28	24.16	83.11	4.55	.35
32.0	22.81	35.31	24.23	83.15	4.61	.36
33.0	22.44	35.40	24.40	83.21	4.58	.35
34.0	22.21	35.44	24.49	83.28	4.59	.35
35.0	22.27	35.61	24.61	83.33	4.77	.37
36.0	21.89	35.62	24.72	83.44	4.79	.36
37.0	21.98	35.80	24.83	83.53	4.83	.38
38.0	22.26	36.04	24.94	83.65	4.90	.36
39.0	22.38	36.15	24.99	83.88	4.93	.38
40.0	22.32	36.15	25.00	84.04	4.92	.38
41.0	22.23	36.13	25.01	84.08	4.91	.37
42.0	22.10	36.12	25.04	84.13	4.90	.38
43.0	22.00	36.11	25.06	84.18	4.89	.40
44.0	21.88	36.10	25.09	84.21	4.88	.38
45.0	21.71	36.09	25.13	83.93	4.83	.41
46.0	21.49	36.12	25.21	81.10	4.68	.51
47.0	21.23	36.17	25.32	71.35	4.47	.65
48.0	21.03	36.20	25.40	62.08	4.32	.67
49.0	20.78	36.23	25.49	52.94	4.08	.66
50.0	20.75	36.23	25.50	43.32	4.05	.59
51.0	20.73	36.24	25.51	39.97	4.00	.57
52.0	20.73	36.24	25.51	38.93	4.00	.56

STATION 066

OP NUM: 931900518 LAT: 28 30.0 N LON: 90 15.0 W STATION DEPTH: 51 m



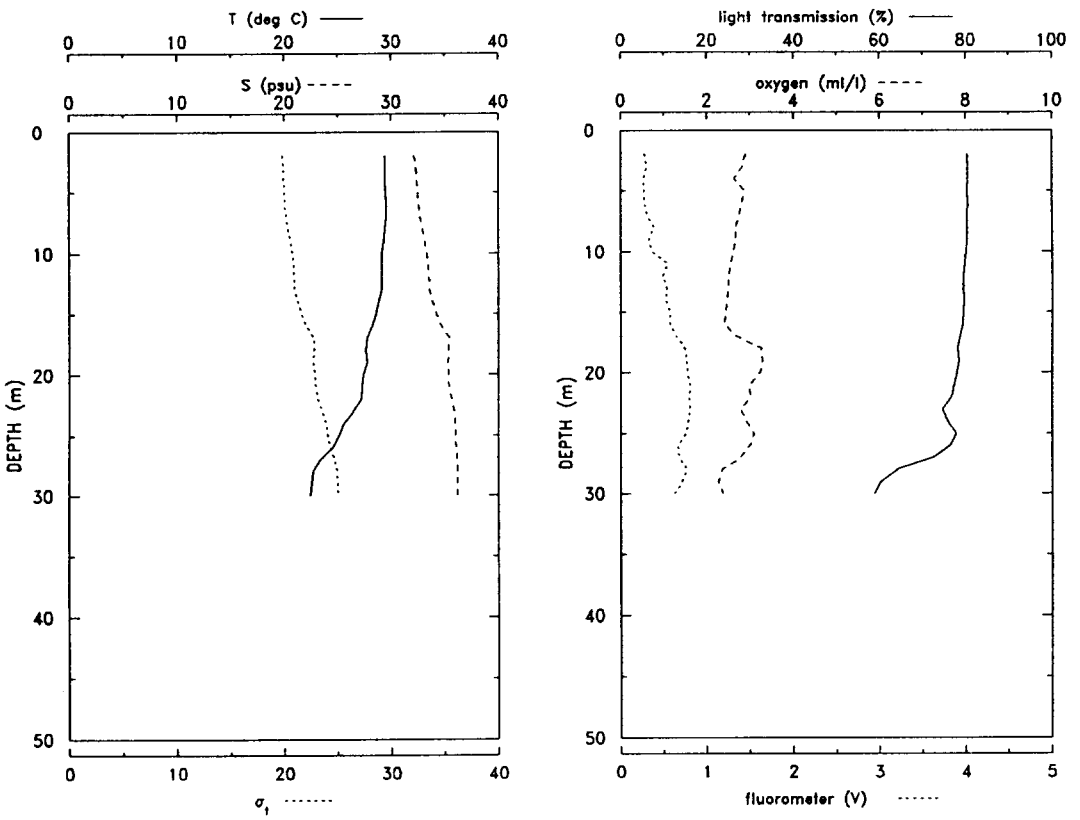


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.39	32.95	20.39	82.71	2.39	.19
3.0	29.39	33.01	20.45	82.64	3.79	.18
4.0	29.40	33.25	20.62	82.60	4.07	.19
5.0	29.40	33.26	20.62	82.65	4.12	.19
6.0	29.41	33.27	20.63	82.64	4.16	.19
7.0	29.39	33.34	20.69	82.66	4.19	.19
8.0	29.36	33.38	20.74	82.74	4.20	.19
9.0	29.34	33.39	20.75	82.74	4.22	.18
10.0	29.31	33.40	20.76	82.68	4.23	.19
11.0	29.26	33.39	20.77	82.67	4.22	.19
12.0	28.84	33.71	21.15	82.52	4.17	.19
13.0	28.13	34.24	21.78	82.16	4.27	.21
14.0	27.92	34.39	21.97	82.47	4.31	.20
15.0	27.72	34.55	22.15	82.63	4.27	.20
16.0	27.52	34.67	22.30	82.76	4.30	.20
17.0	27.43	34.72	22.37	82.86	4.32	.20
18.0	27.38	34.73	22.40	82.79	4.28	.19
19.0	27.12	34.89	22.60	82.86	4.22	.20
20.0	26.85	35.01	22.78	83.02	4.17	.20
21.0	26.53	35.09	22.93	82.94	4.28	.22
22.0	26.44	35.18	23.04	82.99	4.17	.22
23.0	26.04	35.22	23.19	83.01	4.12	.23
24.0	24.57	35.09	23.54	82.66	4.15	.26
25.0	24.06	35.09	23.70	82.43	4.21	.30
26.0	23.65	35.15	23.86	82.26	4.24	.33

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
27.0	23.15	35.31	24.12	82.56	4.33	.33
28.0	23.04	35.38	24.21	82.69	4.42	.30
29.0	23.06	35.57	24.35	82.85	4.57	.29
30.0	23.23	35.87	24.53	83.06	4.62	.29
31.0	23.36	36.07	24.64	83.22	4.64	.32
32.0	23.33	36.10	24.68	83.32	4.65	.34
33.0	23.31	36.13	24.70	83.25	4.54	.34
34.0	23.11	36.14	24.77	82.58	4.13	.40
35.0	22.72	36.11	24.86	78.46	3.63	.80
36.0	22.45	36.07	24.90	76.32	3.21	1.17
37.0	22.32	36.05	24.92	74.11	2.81	1.30
38.0	22.25	36.05	24.95	71.94	2.52	1.27
39.0	22.19	36.06	24.97	69.98	2.24	1.28
40.0	22.08	36.11	25.04	68.36	2.05	1.33
41.0	21.96	36.15	25.11	65.87	1.99	1.59
42.0	21.89	36.16	25.13	62.88	1.97	1.22
43.0	21.84	36.17	25.15	58.73	1.95	1.07
44.0	21.81	36.17	25.16	54.52	1.93	1.29
45.0	21.77	36.18	25.18	51.71	1.93	.77
46.0	21.73	36.18	25.19	47.56	1.92	.66
47.0	21.65	36.19	25.22	43.38	1.95	.66
48.0	21.41	36.21	25.30	34.19	2.01	.63
49.0	21.24	36.21	25.35	22.12	2.03	.59
50.0	21.21	36.21	25.36	20.21	2.03	.57

STATION 067

OP NUM: 931901225 LAT: 28 39.9 N LON: 90 14.9 W STATION DEPTH: 34 m

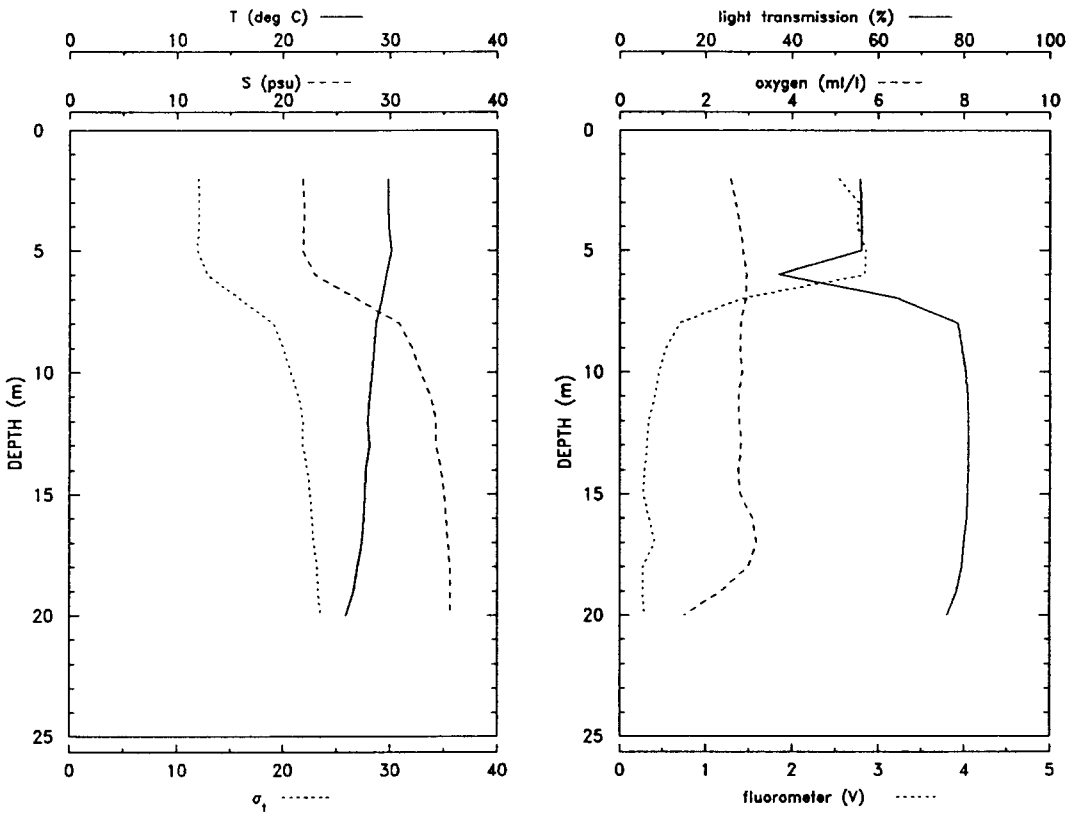


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.39	32.15	19.80	80.35	2.90	.28
3.0	29.41	32.34	19.94	80.33	2.83	.30
4.0	29.43	32.37	19.95	80.34	2.64	.27
5.0	29.48	32.47	20.01	80.25	2.87	.27
6.0	29.55	32.56	20.05	80.44	2.81	.28
7.0	29.54	32.70	20.16	80.32	2.74	.31
8.0	29.43	32.93	20.37	80.31	2.67	.39
9.0	29.25	33.15	20.59	80.23	2.66	.33
10.0	29.12	33.33	20.77	80.00	2.62	.37
11.0	29.09	33.44	20.87	79.59	2.56	.54
12.0	29.08	33.52	20.93	79.40	2.51	.49
13.0	29.08	33.57	20.96	79.36	2.49	.54
14.0	28.80	33.87	21.28	79.54	2.46	.52
15.0	28.54	34.21	21.62	79.34	2.44	.57
16.0	28.23	34.68	22.08	79.16	2.41	.57

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
17.0	27.73	35.39	22.78	78.57	2.66	.64
18.0	27.59	35.36	22.80	78.08	3.26	.75
19.0	27.70	35.32	22.73	78.25	3.29	.77
20.0	27.40	35.35	22.86	77.91	3.24	.77
21.0	27.23	35.40	22.95	77.31	2.99	.81
22.0	27.18	35.67	23.17	76.61	3.01	.80
23.0	26.40	35.90	23.59	74.53	2.79	.80
24.0	25.54	35.97	23.91	75.82	2.92	.79
25.0	25.13	36.01	24.06	77.67	3.10	.75
26.0	24.49	36.06	24.30	76.37	3.00	.67
27.0	23.39	36.15	24.69	72.53	2.77	.68
28.0	22.64	36.17	24.92	64.15	2.36	.77
29.0	22.53	36.20	24.98	60.27	2.26	.72
30.0	22.41	36.17	24.99	58.86	2.37	.63

STATION 068

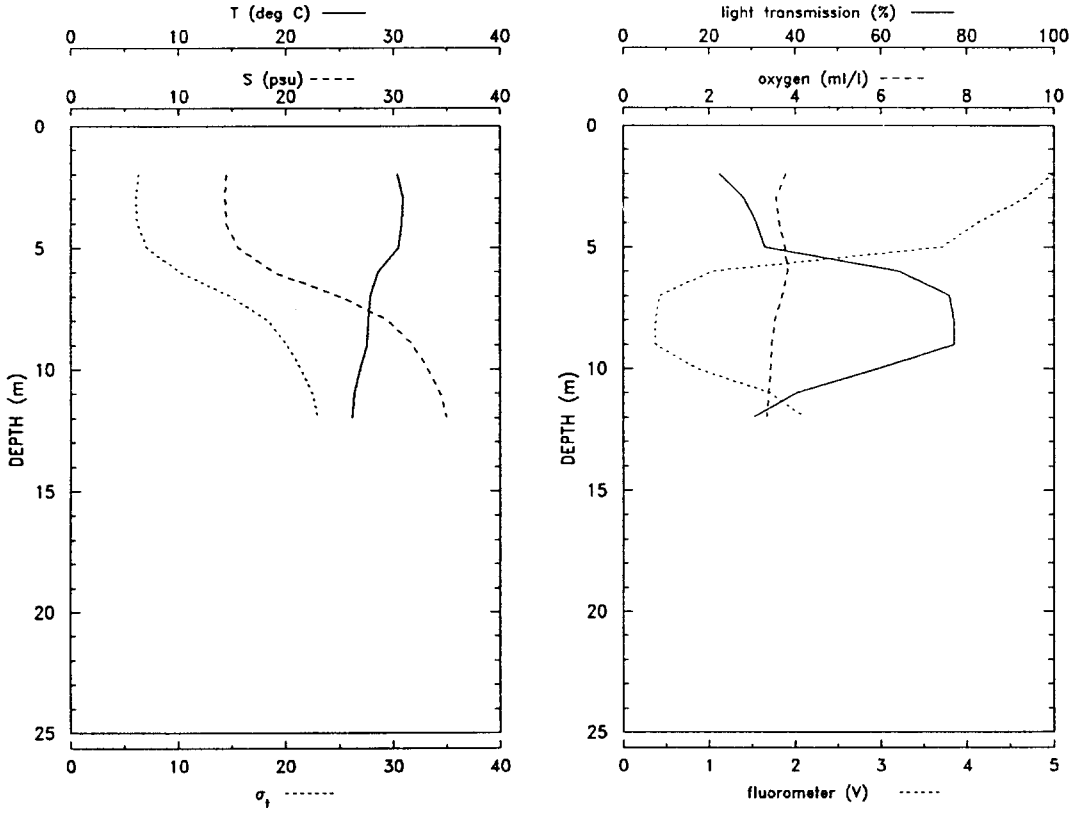
OP NUM: 931901400 LAT: 28 50.0 N LON: 90 14.9 W STATION DEPTH: 23 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluorometer (V)
2.0	29.80	21.83	11.95	55.86	2.58	2.54
3.0	29.80	21.94	12.04	55.93	2.69	2.77
4.0	29.87	21.92	12.00	56.07	2.79	2.76
5.0	30.08	21.85	11.88	56.13	2.86	2.86
6.0	29.63	22.94	12.84	36.88	2.94	2.85
7.0	29.23	26.95	15.96	64.86	2.93	1.41
8.0	28.71	30.90	19.09	78.63	2.82	.70
9.0	28.50	32.06	20.03	79.53	2.80	.54
10.0	28.33	32.88	20.69	80.34	2.84	.46
11.0	28.08	33.82	21.48	80.81	2.76	.41
12.0	27.92	34.27	21.87	80.98	2.78	.34
13.0	28.09	34.30	21.84	80.98	2.82	.32
14.0	27.74	34.76	22.30	80.93	2.76	.29
15.0	27.64	35.06	22.56	80.88	2.80	.27
16.0	27.55	35.23	22.71	80.73	3.09	.34
17.0	27.36	35.38	22.89	80.02	3.17	.41
18.0	26.93	35.60	23.19	79.56	2.99	.27
19.0	26.61	35.60	23.29	78.37	2.36	.26
20.0	25.91	35.62	23.53	76.11	1.51	.29

STATION 069

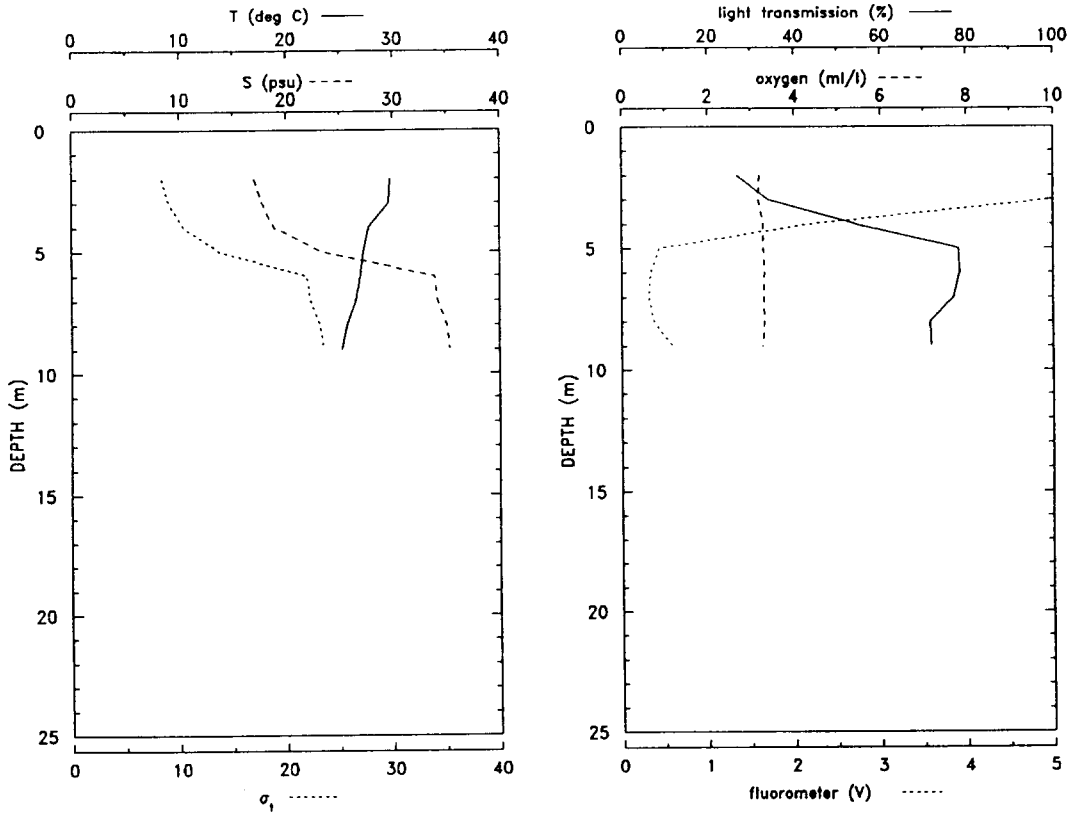
OP NUM: 931901520 LAT: 29 00.6 N LON: 90 14.9 W STATION DEPTH: 15 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluorometer (V)
2.0	30.34	14.43	6.28	22.28	3.79	5.00
3.0	30.88	14.34	6.03	28.01	3.56	4.68
4.0	30.76	14.47	6.17	30.94	3.63	4.12
5.0	30.49	15.57	7.07	32.89	3.77	3.71
6.0	28.57	18.95	10.20	64.24	3.83	1.04
7.0	27.82	25.02	14.97	75.99	3.70	.42
8.0	27.67	29.54	18.40	76.92	3.54	.38
9.0	27.57	31.82	20.14	77.04	3.46	.37
10.0	26.88	33.24	21.43	59.40	3.43	.84
11.0	26.38	34.43	22.48	40.43	3.39	1.71
12.0	26.17	35.00	22.98	30.60	3.35	2.12

STATION 070

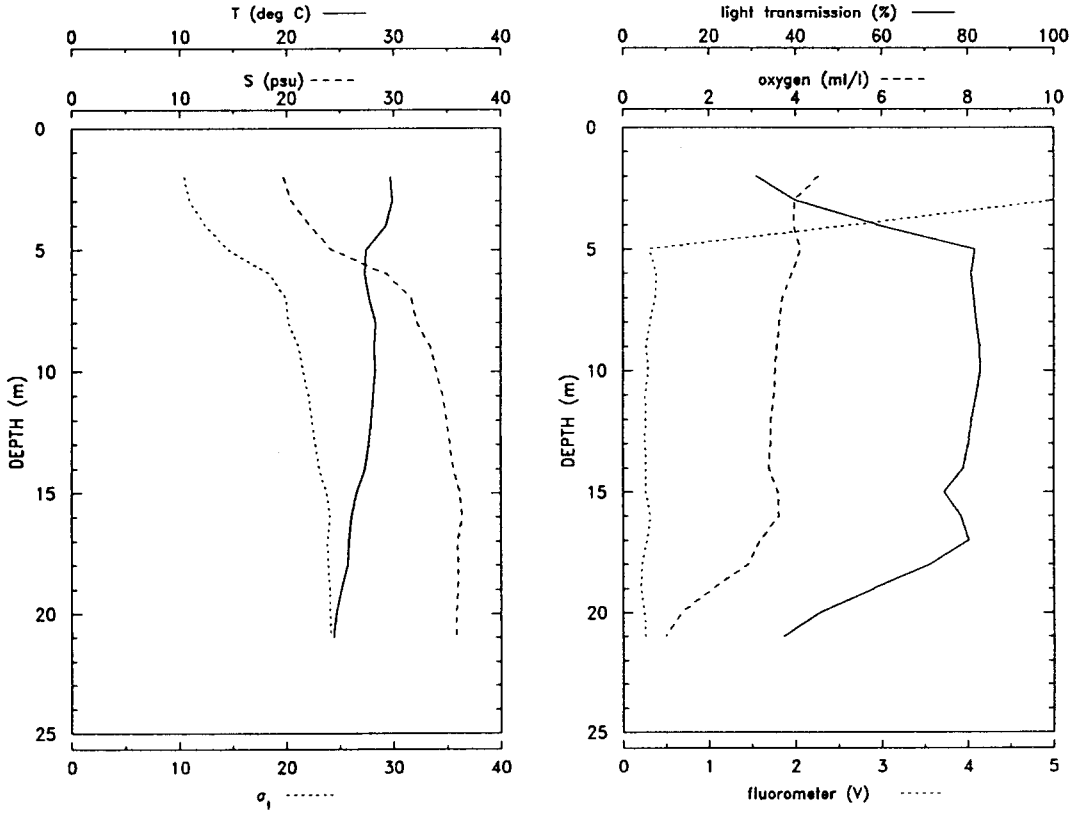
OP NUM: 931901730 LAT: 29 10.0 N LON: 89 59.5 W STATION DEPTH: 10 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluorometer (V)
2.0	29.74	17.01	8.38	26.81	3.20	5.00
3.0	29.65	17.78	8.98	34.00	3.17	5.00
4.0	27.73	18.89	10.41	54.07	3.29	2.21
5.0	27.28	23.29	13.84	78.13	3.30	.44
6.0	26.95	33.93	21.93	78.38	3.31	.34
7.0	26.53	34.22	22.28	76.95	3.31	.32
8.0	25.70	35.08	23.19	71.54	3.32	.38
9.0	25.25	35.34	23.52	71.74	3.28	.59

STATION 071

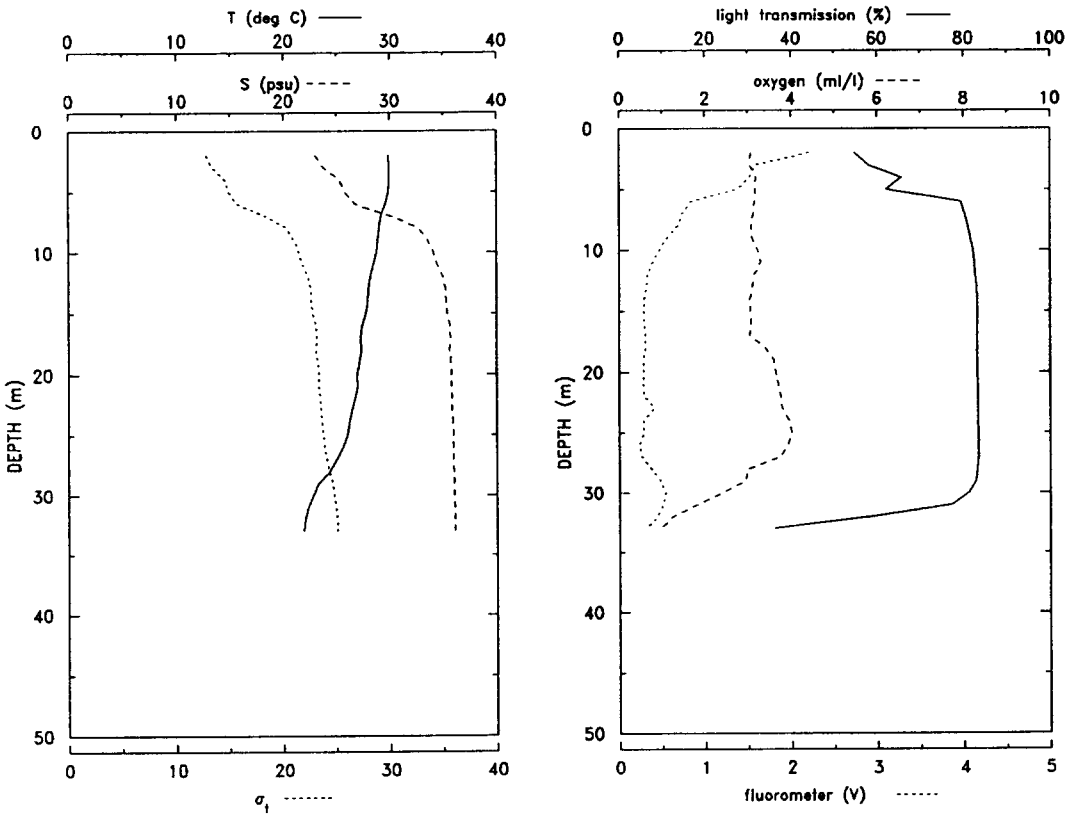
OP NUM: 931901840 LAT: 29 01.0 N LON: 89 59.9 W STATION DEPTH: 21 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.71	19.68	10.38	30.97	4.54	5.00
3.0	29.86	20.46	10.92	40.09	3.98	5.00
4.0	29.26	22.18	12.39	58.75	3.95	2.69
5.0	27.45	24.24	14.50	81.64	4.12	.31
6.0	27.31	29.41	18.42	80.74	3.92	.39
7.0	27.73	31.64	19.96	81.23	3.69	.37
8.0	28.34	32.18	20.16	81.96	3.62	.31
9.0	28.21	33.42	21.14	82.65	3.56	.27
10.0	28.28	33.97	21.53	82.71	3.52	.29
11.0	28.08	34.57	22.05	81.85	3.50	.26
12.0	27.91	34.92	22.36	80.90	3.43	.26
13.0	27.67	35.23	22.68	80.12	3.42	.26
14.0	27.32	35.55	23.03	78.88	3.37	.26
15.0	26.52	36.14	23.73	74.39	3.59	.26
16.0	26.05	36.38	24.06	78.38	3.62	.31
17.0	25.80	35.95	23.81	80.06	3.18	.28
18.0	25.68	36.00	23.89	71.14	2.91	.22
19.0	25.14	35.97	24.03	58.06	2.09	.20
20.0	24.65	35.82	24.07	45.62	1.36	.25
21.0	24.41	35.80	24.12	37.16	0.98	.26

STATION 072

OP NUM: 931902005 LAT: 28 50.0 N LON: 90 00.0 W STATION DEPTH: 34 m

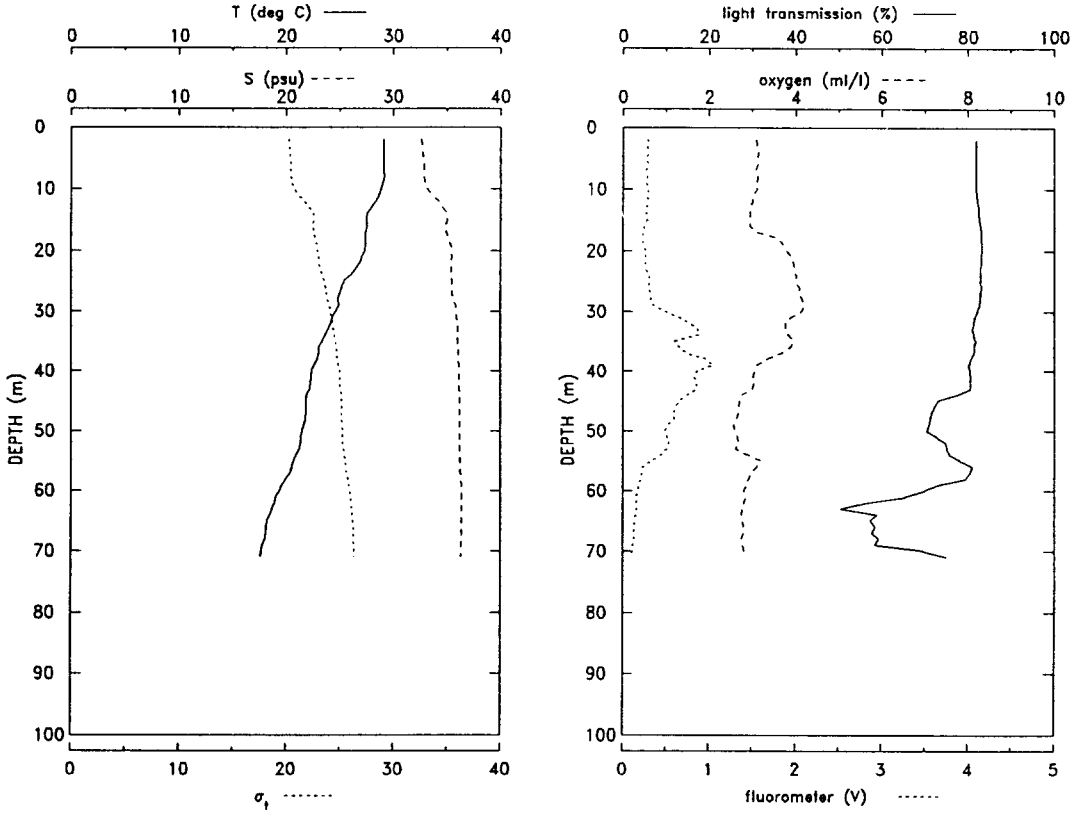


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.88	22.97	12.78	54.79	3.07	2.21
3.0	29.93	23.79	13.38	58.04	3.05	1.59
4.0	29.92	25.28	14.49	65.60	3.18	1.52
5.0	29.88	25.78	14.87	62.09	3.17	1.38
6.0	29.56	26.72	15.68	79.37	3.16	.84
7.0	29.19	30.06	18.30	80.29	3.12	.74
8.0	29.01	32.68	20.32	81.05	3.07	.68
9.0	28.89	33.59	21.04	81.54	3.10	.56
10.0	28.75	34.08	21.46	82.14	3.23	.47
11.0	28.47	34.44	21.82	82.44	3.30	.39
12.0	28.16	34.98	22.33	82.68	3.14	.33
13.0	27.95	35.23	22.59	82.86	3.10	.32
14.0	27.89	35.28	22.64	83.02	3.04	.29
15.0	27.76	35.36	22.75	83.04	3.05	.29
16.0	27.39	35.64	23.07	83.14	3.07	.29
17.0	27.28	35.71	23.16	83.02	3.04	.31

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
18.0	27.33	35.62	23.08	83.04	3.41	.31
19.0	27.14	35.73	23.23	83.13	3.60	.28
20.0	26.93	35.76	23.31	83.13	3.64	.29
21.0	26.94	35.79	23.33	83.22	3.70	.28
22.0	26.72	35.85	23.45	83.25	3.76	.29
23.0	26.41	35.85	23.55	83.24	3.80	.41
24.0	26.20	35.87	23.63	83.28	3.95	.28
25.0	26.00	35.98	23.77	83.41	4.02	.28
26.0	25.59	35.95	23.88	83.42	3.93	.23
27.0	24.98	35.97	24.08	83.33	3.76	.26
28.0	24.32	35.98	24.29	83.06	2.98	.38
29.0	23.28	36.00	24.61	82.79	2.95	.47
30.0	22.77	36.00	24.76	81.15	2.40	.53
31.0	22.29	36.04	24.93	77.28	1.82	.50
32.0	22.03	36.06	25.02	59.08	1.23	.44
33.0	21.90	36.07	25.06	36.22	0.95	.32

STATION 073

OP NUM: 931902127 LAT: 28 40.0 N LON: 89 59.9 W STATION DEPTH: 71 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.13	32.59	20.22	81.89	3.09	.29
3.0	29.13	32.70	20.30	81.92	3.11	.28
4.0	29.12	32.73	20.32	81.90	3.14	.29
5.0	29.12	32.80	20.37	81.90	3.13	.28
6.0	29.12	32.83	20.40	81.90	3.13	.29
7.0	29.13	32.84	20.40	81.91	3.08	.27
8.0	29.14	32.84	20.40	81.96	3.13	.28
9.0	29.07	32.95	20.51	81.94	3.11	.27
10.0	28.87	33.17	20.73	81.88	3.12	.30
11.0	28.71	33.60	21.11	82.11	3.01	.28
12.0	28.36	34.21	21.68	82.16	3.00	.29
13.0	27.96	34.61	22.12	82.44	2.96	.28
14.0	27.55	34.99	22.53	82.54	2.94	.27
15.0	27.48	34.98	22.55	82.62	2.96	.28
16.0	27.55	34.89	22.46	82.88	2.95	.25
17.0	27.42	34.96	22.55	83.05	3.11	.23
18.0	27.46	35.12	22.66	83.09	3.62	.23
19.0	27.45	35.34	22.83	83.20	3.72	.23
20.0	27.37	35.43	22.92	83.17	3.80	.27
21.0	27.08	35.45	23.04	83.09	3.90	.26
22.0	26.90	35.43	23.07	83.05	3.96	.26
23.0	26.50	35.44	23.21	82.98	3.98	.26
24.0	26.06	35.40	23.32	82.93	4.02	.30
25.0	25.44	35.45	23.55	82.92	4.01	.31

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
26.0	25.16	35.48	23.66	83.01	4.09	.29
27.0	25.01	35.50	23.72	82.88	4.11	.32
28.0	24.84	35.57	23.82	82.74	4.15	.32
29.0	24.91	35.81	23.98	82.56	4.21	.35
30.0	24.62	35.89	24.13	82.20	4.14	.49
31.0	24.29	35.91	24.24	81.65	3.89	.66
32.0	24.14	35.99	24.35	81.32	3.77	.78
33.0	23.93	36.01	24.42	81.11	3.76	.87
34.0	23.60	35.99	24.51	81.30	3.84	.88
35.0	23.38	36.00	24.59	81.67	3.96	.61
36.0	23.06	36.04	24.71	81.50	3.88	.65
37.0	23.00	36.05	24.73	81.48	3.67	.74
38.0	22.89	36.06	24.77	80.71	3.35	.97
39.0	22.59	36.11	24.89	80.19	3.12	1.05
40.0	22.36	36.13	24.97	80.42	3.06	.86
41.0	22.30	36.13	24.99	80.52	3.03	.82
42.0	22.26	36.14	25.01	80.48	3.04	.86
43.0	22.18	36.15	25.04	80.49	3.01	.86
44.0	21.87	36.19	25.16	77.54	2.77	.75
45.0	21.83	36.18	25.16	73.16	2.70	.65
46.0	21.82	36.18	25.17	72.16	2.70	.62
47.0	21.81	36.18	25.17	71.62	2.68	.59
48.0	21.79	36.18	25.17	71.27	2.65	.59
49.0	21.65	36.19	25.22	71.01	2.57	.52

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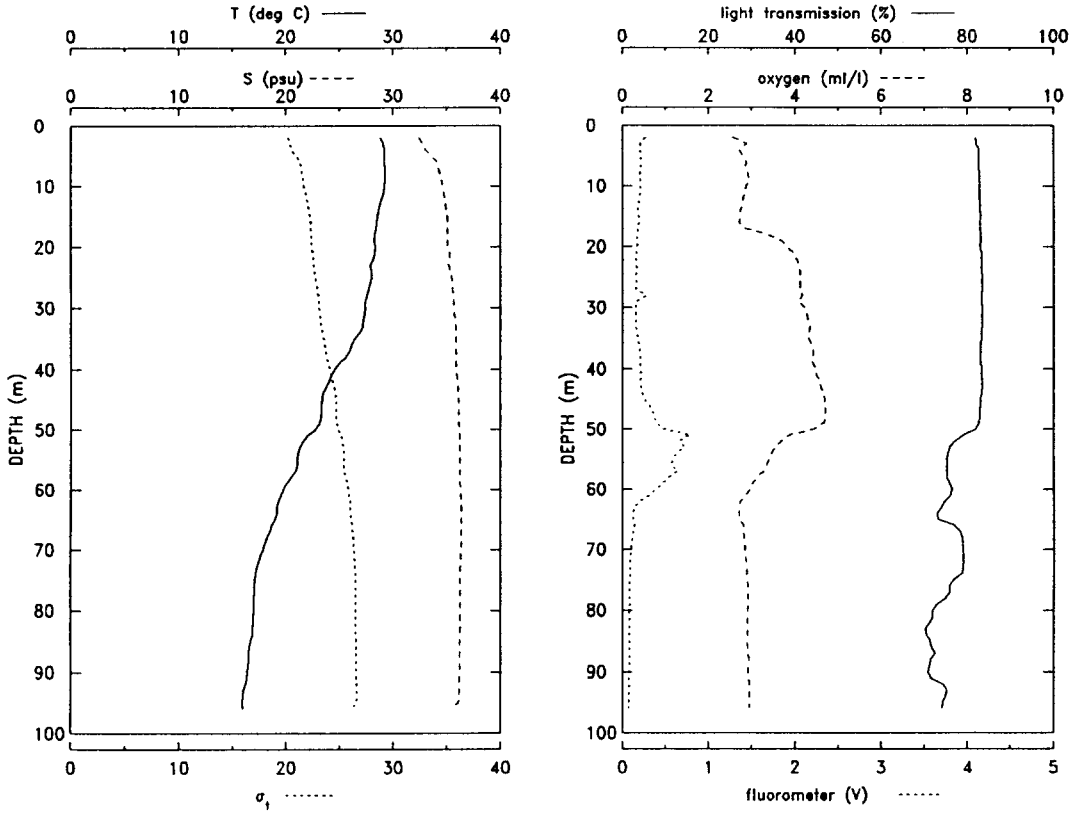
STATION 073: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	21.48	36.19	25.27	70.53	2.59	.49
51.0	21.39	36.19	25.29	72.74	2.67	.51
52.0	21.35	36.19	25.30	74.90	2.68	.54
53.0	21.21	36.20	25.35	75.19	2.62	.51
54.0	20.93	36.24	25.46	75.84	2.88	.45
55.0	20.70	36.26	25.54	78.21	3.21	.33
56.0	20.54	36.26	25.58	80.97	3.11	.23
57.0	20.41	36.28	25.63	80.60	3.00	.23
58.0	19.97	36.33	25.79	79.48	2.92	.21
59.0	19.64	36.34	25.88	73.38	2.87	.18
60.0	19.38	36.36	25.97	69.97	2.82	.17
61.0	19.03	36.36	26.05	65.56	2.86	.15
62.0	18.93	36.36	26.08	56.58	2.81	.16
63.0	18.69	36.38	26.15	50.56	2.77	.16
64.0	18.52	36.37	26.20	58.94	2.75	.15
65.0	18.21	36.36	26.26	57.45	2.78	.14
66.0	18.14	36.35	26.28	58.47	2.80	.13
67.0	18.10	36.35	26.28	57.71	2.80	.13
68.0	18.03	36.35	26.30	59.22	2.76	.13
69.0	17.77	36.33	26.35	58.50	2.78	.12
70.0	17.67	36.32	26.37	69.64	2.82	.11
71.0	17.62	36.32	26.38	74.92	2.83	.10

STATION 074

OP NUM: 931902255 LAT: 28 29.9 N LON: 90 00.0 W STATION DEPTH: 96 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	28.81	32.45	20.21	81.96	2.56	.26
3.0	29.09	32.78	20.37	81.97	2.88	.21
4.0	29.17	33.06	20.55	82.57	2.72	.21
5.0	29.19	33.58	20.94	82.62	2.79	.21
6.0	29.19	34.13	21.35	82.59	2.87	.22
7.0	29.19	34.23	21.43	82.65	2.85	.22
8.0	29.21	34.36	21.52	82.75	2.92	.20
9.0	29.22	34.50	21.62	82.77	2.93	.21
10.0	29.18	34.57	21.69	82.78	2.88	.21
11.0	29.07	34.69	21.81	82.79	2.85	.21
12.0	28.89	34.82	21.96	82.82	2.80	.20
13.0	28.77	34.88	22.05	82.86	2.80	.19
14.0	28.62	34.95	22.16	82.98	2.74	.18
15.0	28.49	35.03	22.26	83.02	2.75	.19
16.0	28.44	35.07	22.31	82.92	2.71	.20
17.0	28.38	35.07	22.32	82.98	2.84	.18
18.0	28.27	35.05	22.35	83.10	3.35	.17
19.0	28.20	35.05	22.37	83.09	3.67	.17
20.0	28.33	35.08	22.35	82.96	3.82	.17
21.0	28.28	35.27	22.51	83.22	3.96	.16
22.0	28.17	35.27	22.55	83.25	4.04	.16
23.0	27.86	35.18	22.58	83.20	4.08	.16
24.0	27.98	35.32	22.65	83.21	4.13	.17
25.0	27.98	35.45	22.74	83.33	4.12	.16
26.0	27.87	35.56	22.86	83.41	4.12	.17
27.0	27.66	35.55	22.92	83.34	4.13	.15
28.0	27.53	35.60	23.00	83.30	4.17	.28
29.0	27.40	35.67	23.09	83.30	4.08	.16
30.0	27.37	35.67	23.11	83.34	4.23	.16
31.0	27.30	35.72	23.17	83.34	4.27	.16
32.0	27.21	35.79	23.25	83.34	4.31	.16
33.0	27.16	35.83	23.29	83.32	4.34	.16
34.0	26.92	35.87	23.40	83.25	4.33	.16
35.0	26.41	35.87	23.56	83.18	4.32	.18
36.0	26.13	35.86	23.65	83.09	4.38	.19
37.0	25.94	35.87	23.71	83.03	4.42	.20
38.0	25.58	35.87	23.82	82.99	4.42	.21
39.0	24.99	35.86	24.00	83.11	4.41	.20
40.0	24.58	35.89	24.14	83.19	4.47	.21
41.0	24.24	35.95	24.29	83.24	4.50	.22
42.0	24.05	36.00	24.39	83.34	4.59	.21
43.0	23.75	36.06	24.52	83.32	4.59	.22
44.0	23.45	36.08	24.62	83.28	4.65	.23
45.0	23.40	36.11	24.66	83.15	4.69	.26
46.0	23.35	36.12	24.68	82.96	4.70	.31
47.0	23.31	36.12	24.70	82.84	4.70	.34
48.0	23.25	36.13	24.72	82.73	4.70	.37
49.0	23.17	36.14	24.75	82.60	4.68	.39

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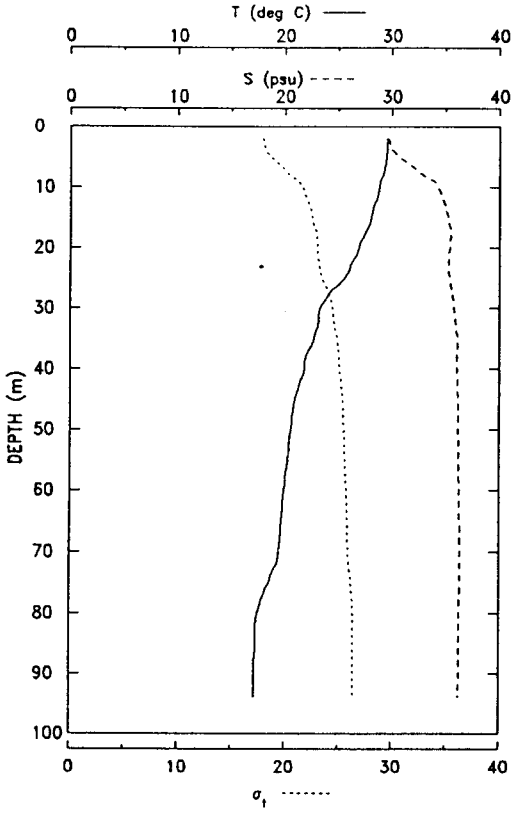
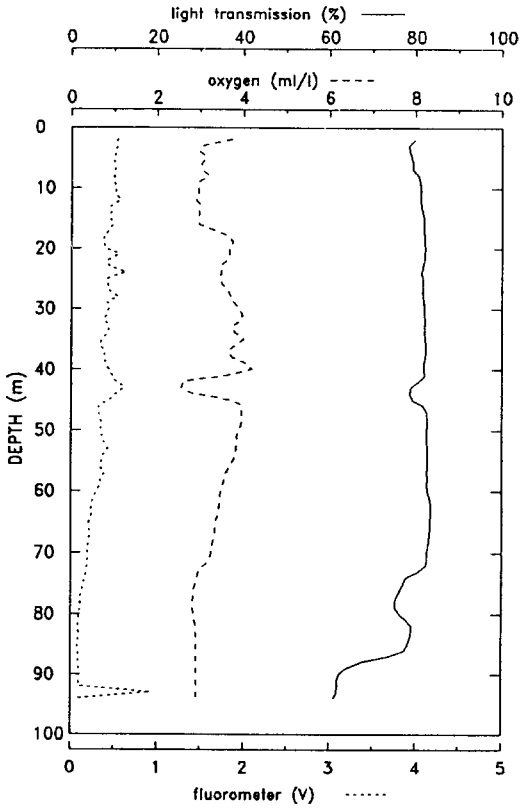
STATION 074: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	22.79	36.18	24.89	82.00	4.45	.46
51.0	21.99	36.22	25.15	79.01	3.87	.79
52.0	21.57	36.24	25.28	77.05	3.69	.67
53.0	21.31	36.24	25.35	75.93	3.57	.72
54.0	21.13	36.24	25.40	75.50	3.46	.64
55.0	21.08	36.23	25.41	75.21	3.41	.58
56.0	21.04	36.23	25.42	75.18	3.36	.57
57.0	20.91	36.24	25.46	75.20	3.29	.64
58.0	20.47	36.26	25.60	75.16	3.15	.55
59.0	20.04	36.27	25.72	75.83	3.02	.47
60.0	19.77	36.29	25.81	76.45	2.98	.39
61.0	19.50	36.32	25.90	76.07	2.87	.33
62.0	19.26	36.38	26.01	74.70	2.74	.21
63.0	19.17	36.38	26.03	74.02	2.72	.14
64.0	19.13	36.37	26.04	73.02	2.71	.13
65.0	18.98	36.39	26.09	73.17	2.71	.13
66.0	18.60	36.40	26.20	77.04	2.82	.14
67.0	18.48	36.39	26.22	78.31	2.82	.13
68.0	18.18	36.37	26.27	78.76	2.83	.12
69.0	18.04	36.35	26.30	78.91	2.85	.11
70.0	17.84	36.33	26.33	78.93	2.85	.10
71.0	17.61	36.31	26.37	79.10	2.86	.10
72.0	17.45	36.30	26.40	79.01	2.87	.09
74.0	17.13	36.26	26.45	78.71	2.89	.09
75.0	17.05	36.26	26.47	76.89	2.90	.09
76.0	17.01	36.26	26.48	75.79	2.91	.08
77.0	16.99	36.25	26.48	75.99	2.92	.08
78.0	16.97	36.25	26.48	74.84	2.92	.08
79.0	16.96	36.25	26.48	72.99	2.91	.09
80.0	16.94	36.24	26.48	71.98	2.91	.08
81.0	16.92	36.24	26.49	71.93	2.91	.08
82.0	16.87	36.23	26.49	71.33	2.91	.09
83.0	16.86	36.23	26.49	70.23	2.90	.08
84.0	16.84	36.23	26.50	70.38	2.90	.08
85.0	16.66	36.21	26.52	71.27	2.89	.08
86.0	16.55	36.19	26.54	71.64	2.90	.08
87.0	16.50	36.18	26.54	72.49	2.92	.08
88.0	16.47	36.18	26.55	71.45	2.93	.08
89.0	16.43	36.17	26.55	71.17	2.92	.08
90.0	16.35	36.16	26.56	70.87	2.92	.08
91.0	16.31	36.16	26.57	71.40	2.93	.08
92.0	16.20	36.14	26.58	74.36	2.94	.08
93.0	16.02	36.12	26.60	75.17	2.94	.08
94.0	15.94	36.10	26.61	74.82	2.95	.08
95.0	15.91	36.10	26.61	74.34	2.95	.07
96.0	15.92	35.35	26.04	74.22	2.95	.08

STATION 075

OP NUM: 931910100 LAT: 28 40.0 N LON: 89 44.9 W STATION DEPTH: 96 m





depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.50	29.66	17.90	79.77	3.74	.53
3.0	29.53	29.83	18.02	78.51	3.06	.53
4.0	29.53	30.03	18.17	78.60	2.98	.51
5.0	29.45	30.60	18.62	79.04	3.13	.51
6.0	29.38	31.42	19.25	79.38	3.03	.50
7.0	29.31	32.18	19.85	79.40	3.04	.51
8.0	29.17	32.83	20.38	80.74	3.19	.50
9.0	28.88	33.86	21.25	81.06	2.96	.49
10.0	28.79	34.32	21.62	81.16	2.95	.52
11.0	28.69	34.53	21.81	81.09	2.96	.51
12.0	28.54	34.71	22.00	81.09	2.90	.57
13.0	28.25	34.96	22.28	81.33	2.99	.46
14.0	28.12	35.08	22.42	81.66	2.96	.46
15.0	28.01	35.21	22.55	81.82	2.97	.45
16.0	27.88	35.27	22.64	81.94	2.97	.49
17.0	27.64	35.47	22.87	81.94	3.33	.44
18.0	27.37	35.46	22.95	82.04	3.68	.38
19.0	27.02	35.41	23.02	82.03	3.75	.37
20.0	26.87	35.40	23.06	82.13	3.68	.39
21.0	26.71	35.30	23.04	82.08	3.68	.55
22.0	26.39	35.29	23.13	81.98	3.60	.42
23.0	26.08	35.27	23.21	81.62	3.46	.44
24.0	25.94	35.31	23.29	81.50	3.49	.63
25.0	25.57	35.39	23.46	81.59	3.44	.42

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
26.0	25.04	35.47	23.69	81.58	3.52	.43
27.0	24.35	35.57	23.97	81.64	3.65	.44
28.0	23.98	35.68	24.16	81.70	3.70	.54
29.0	23.60	35.74	24.32	81.88	3.78	.42
30.0	23.25	35.74	24.43	81.99	3.90	.44
31.0	23.17	35.86	24.54	82.06	3.98	.41
32.0	23.17	35.88	24.56	82.13	3.93	.39
33.0	23.10	35.94	24.62	82.08	3.74	.43
34.0	22.86	36.00	24.73	82.01	3.80	.43
35.0	22.75	36.13	24.87	82.21	4.01	.36
36.0	22.53	36.16	24.95	82.40	3.83	.33
37.0	22.21	36.13	25.02	82.39	3.65	.39
38.0	21.95	36.07	25.05	82.23	3.72	.39
39.0	21.84	36.06	25.07	81.94	4.05	.40
40.0	21.81	36.08	25.09	81.92	4.19	.44
41.0	21.71	36.10	25.13	82.07	3.62	.48
42.0	21.41	36.13	25.24	80.77	2.60	.52
43.0	21.28	36.14	25.29	78.92	2.55	.62
44.0	21.14	36.15	25.34	78.58	2.81	.52
45.0	20.92	36.17	25.41	79.28	3.66	.46
46.0	20.85	36.18	25.44	81.76	3.98	.32
47.0	20.77	36.20	25.47	82.56	3.95	.32
48.0	20.67	36.20	25.50	82.70	3.96	.33
49.0	20.67	36.19	25.49	82.71	3.95	.36

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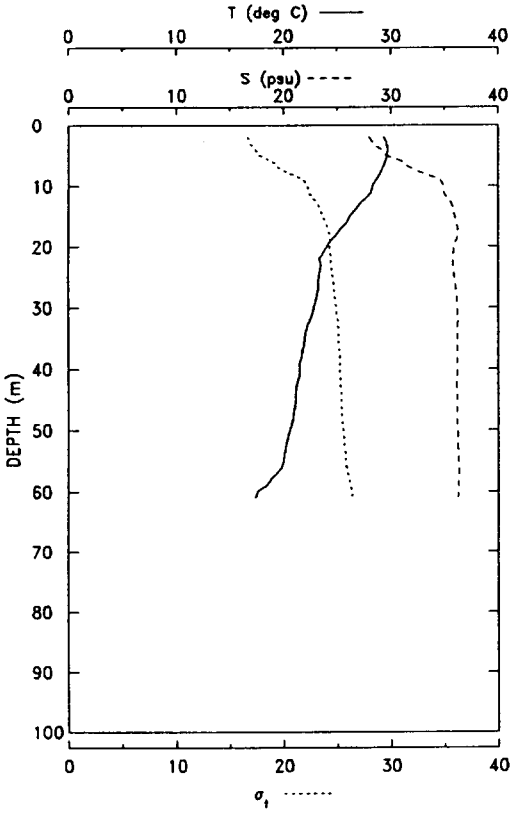
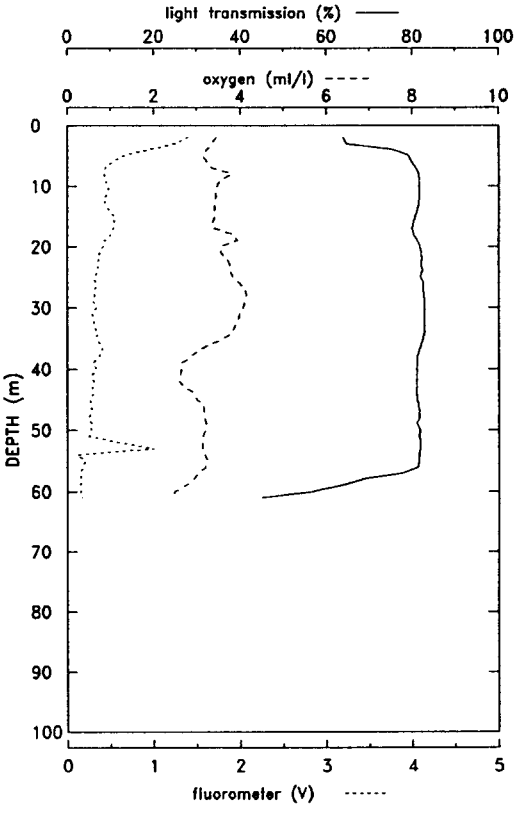
STATION 075: *continued from previous page*

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	20.59	36.20	25.52	82.66	3.92	.34
51.0	20.49	36.21	25.56	82.62	3.85	.36
52.0	20.42	36.22	25.58	82.64	3.85	.38
53.0	20.40	36.22	25.59	82.71	3.85	.43
54.0	20.37	36.23	25.60	82.77	3.82	.38
55.0	20.29	36.23	25.62	82.73	3.77	.36
56.0	20.22	36.24	25.65	82.77	3.69	.34
57.0	20.14	36.27	25.69	82.68	3.61	.39
58.0	20.07	36.28	25.72	82.72	3.56	.34
59.0	20.03	36.29	25.74	82.70	3.53	.34
60.0	19.95	36.29	25.76	82.78	3.48	.30
61.0	19.85	36.30	25.79	83.28	3.47	.26
62.0	19.84	36.30	25.80	83.48	3.46	.24
63.0	19.82	36.30	25.81	83.56	3.44	.23
64.0	19.76	36.32	25.83	83.51	3.40	.24
65.0	19.67	36.33	25.87	83.44	3.37	.21
66.0	19.63	36.34	25.88	83.36	3.35	.21
67.0	19.62	36.34	25.89	83.25	3.34	.22
68.0	19.59	36.34	25.90	83.08	3.31	.21
69.0	19.52	36.35	25.92	82.94	3.28	.20
70.0	19.48	36.35	25.93	82.66	3.26	.20
71.0	19.42	36.36	25.95	82.66	3.23	.19
72.0	19.30	36.37	25.99	82.51	3.12	.19
73.0	18.91	36.37	26.09	80.78	2.96	.19
74.0	18.66	36.37	26.15	77.86	2.93	.17
75.0	18.55	36.37	26.18	77.29	2.89	.14
76.0	18.23	36.35	26.25	76.60	2.87	.13
77.0	18.03	36.34	26.29	75.79	2.85	.11
78.0	17.80	36.32	26.33	75.35	2.83	.11
79.0	17.66	36.31	26.36	75.33	2.83	.11
80.0	17.49	36.29	26.39	76.41	2.84	.10
81.0	17.34	36.29	26.42	78.02	2.88	.10
82.0	17.34	36.29	26.43	79.20	2.90	.09
83.0	17.33	36.29	26.43	79.10	2.91	.09
84.0	17.32	36.29	26.43	78.72	2.91	.09
85.0	17.31	36.29	26.43	78.28	2.92	.09
86.0	17.29	36.29	26.44	77.56	2.92	.09
87.0	17.25	36.29	26.45	73.84	2.91	.09
88.0	17.22	36.28	26.45	67.26	2.91	.09
89.0	17.20	36.28	26.45	64.03	2.91	.10
90.0	17.20	36.28	26.45	62.43	2.92	.10
91.0	17.19	36.28	26.45	62.00	2.92	.10
92.0	17.19	36.28	26.45	61.97	2.92	.10
93.0	17.19	36.28	26.45	61.79	2.92	.93
94.0	17.19	36.27	26.45	61.17	2.92	.08

STATION 076

OP NUM: 931910230 LAT: 28 50.0 N LON: 89 45.0 W STATION DEPTH: 62 m





depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.36	27.96	16.67	63.94	3.45	1.40
3.0	29.58	28.31	16.86	64.69	3.36	1.26
4.0	29.71	29.04	17.36	75.19	3.24	.96
5.0	29.66	29.50	17.72	79.11	3.14	.65
6.0	29.44	31.03	18.94	79.79	3.22	.53
7.0	29.24	31.72	19.53	80.90	3.35	.44
8.0	28.97	33.03	20.60	81.43	3.81	.43
9.0	28.62	34.62	21.91	81.55	3.56	.44
10.0	28.27	34.89	22.23	81.63	3.47	.47
11.0	28.13	34.96	22.32	81.62	3.44	.47
12.0	27.66	35.23	22.68	81.58	3.44	.43
13.0	27.07	35.67	23.20	81.45	3.40	.44
14.0	26.65	35.81	23.44	81.13	3.42	.49
15.0	26.18	35.93	23.68	80.68	3.41	.54
16.0	25.87	36.06	23.87	80.21	3.36	.55
17.0	25.37	36.25	24.18	80.01	3.39	.53
18.0	24.94	36.21	24.28	80.21	3.85	.51
19.0	24.38	36.11	24.37	81.14	3.94	.43
20.0	24.05	35.84	24.27	81.79	3.56	.42
21.0	23.67	35.82	24.36	81.98	3.56	.37
22.0	23.33	35.76	24.42	82.12	3.70	.37
23.0	23.43	35.78	24.40	82.11	3.76	.35
24.0	23.39	35.87	24.48	82.27	3.77	.36
25.0	23.26	35.91	24.55	81.89	3.85	.31

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
26.0	23.22	36.00	24.63	82.43	4.00	.33
27.0	23.19	36.05	24.68	82.54	4.12	.32
28.0	23.11	36.12	24.76	82.58	4.16	.32
29.0	22.96	36.12	24.80	82.72	4.10	.30
30.0	22.82	36.16	24.86	82.74	4.08	.34
31.0	22.70	36.17	24.91	82.82	3.99	.29
32.0	22.44	36.25	25.04	82.85	3.97	.31
33.0	22.20	36.20	25.07	82.83	3.87	.31
34.0	22.04	36.16	25.09	82.72	3.82	.35
35.0	21.97	36.17	25.12	82.53	3.63	.34
36.0	21.91	36.19	25.15	82.10	3.29	.38
37.0	21.74	36.19	25.19	81.65	3.04	.41
38.0	21.64	36.18	25.22	81.21	2.86	.36
39.0	21.49	36.17	25.25	81.10	2.65	.30
40.0	21.49	36.17	25.25	81.04	2.63	.34
41.0	21.46	36.17	25.26	81.00	2.62	.29
42.0	21.28	36.15	25.30	81.01	2.59	.30
43.0	21.20	36.15	25.32	80.98	2.70	.29
44.0	21.15	36.16	25.34	80.88	2.94	.30
45.0	21.13	36.16	25.34	81.10	2.99	.27
46.0	21.06	36.17	25.37	81.23	3.15	.26
47.0	20.96	36.18	25.41	81.53	3.16	.29
48.0	20.90	36.19	25.43	81.52	3.19	.25
49.0	20.76	36.21	25.48	81.03	3.21	.29

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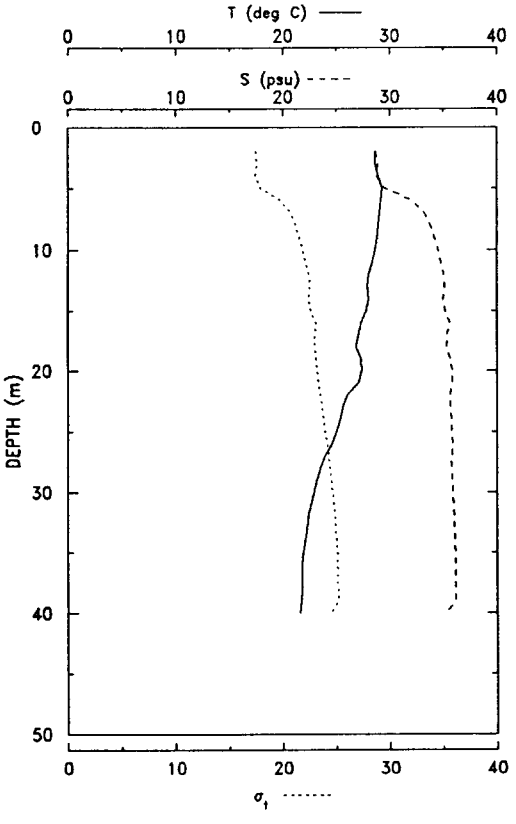
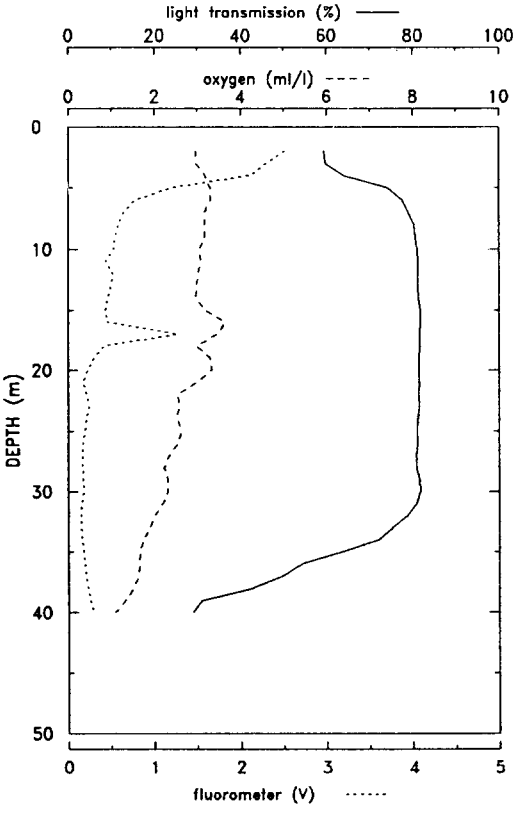
STATION 076: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	20.56	36.23	25.55	81.72	3.20	.28
51.0	20.42	36.25	25.60	81.52	3.14	.25
52.0	20.28	36.26	25.65	81.75	3.13	.57
53.0	20.16	36.27	25.69	81.74	3.12	1.01
54.0	20.03	36.31	25.75	81.54	3.19	.12
55.0	20.00	36.32	25.77	81.45	3.24	.21
56.0	19.83	36.35	25.84	81.34	3.20	.18
57.0	19.31	36.36	25.98	77.65	3.03	.16
58.0	18.81	36.33	26.09	68.34	2.91	.16
59.0	18.39	36.31	26.18	63.50	2.74	.15
60.0	17.52	36.27	26.37	57.04	2.49	.15
61.0	17.35	36.25	26.39	45.16	2.41	.17

STATION 077

OP NUM: 931910400 LAT: 29 00.2 N LON: 89 44.9 W STATION DEPTH: 40 m



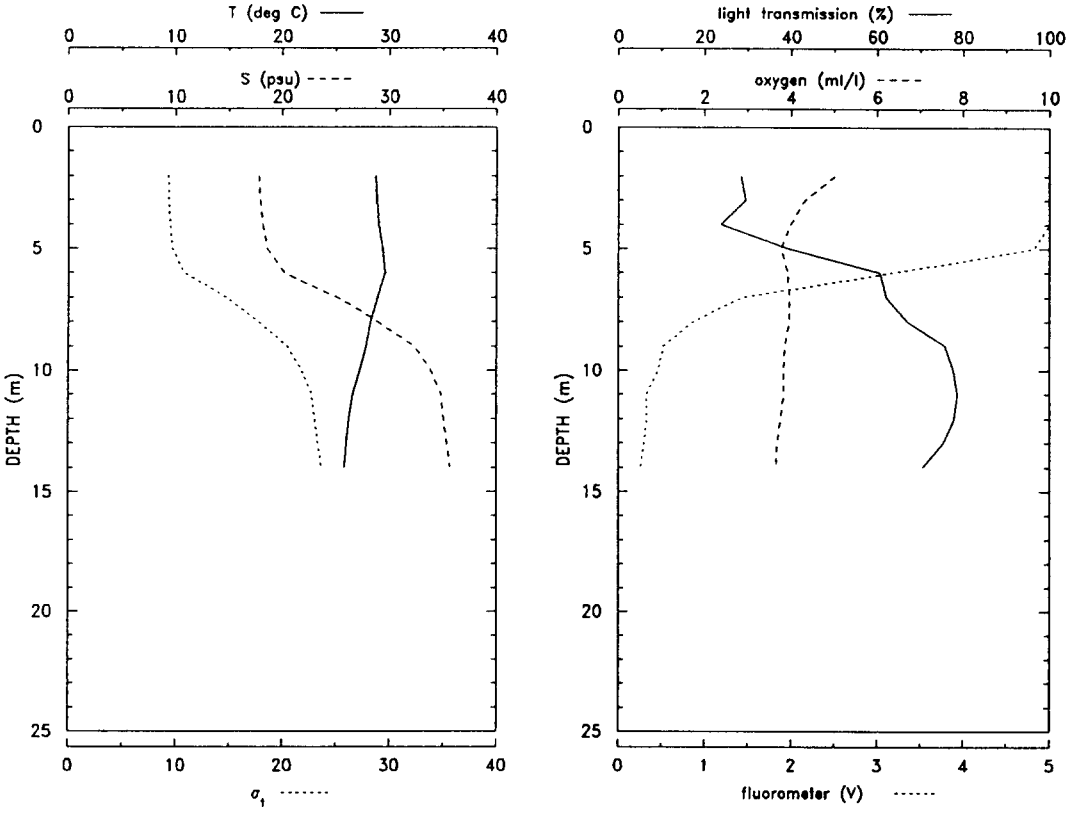


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	28.60	28.66	17.44	59.48	2.96	2.52
3.0	28.65	28.84	17.56	59.78	2.96	2.30
4.0	28.92	28.77	17.42	64.04	3.18	2.13
5.0	29.28	29.53	17.87	74.13	3.31	1.21
6.0	29.17	32.05	19.80	77.64	3.30	.78
7.0	29.04	33.23	20.72	78.90	3.17	.65
8.0	28.91	33.79	21.19	80.22	3.16	.58
9.0	28.82	34.18	21.51	80.53	3.17	.55
10.0	28.64	34.55	21.85	80.96	3.04	.53
11.0	28.41	34.78	22.10	81.18	3.08	.44
12.0	28.04	35.07	22.44	81.15	3.03	.52
13.0	27.92	35.14	22.53	81.17	2.98	.50
14.0	28.03	34.99	22.38	81.33	2.96	.46
15.0	27.76	35.18	22.61	81.74	3.19	.44
16.0	27.29	35.60	23.08	81.69	3.64	.45
17.0	27.09	35.38	22.98	81.62	3.49	1.27
18.0	26.85	35.30	22.99	81.57	2.99	.42
19.0	27.33	35.64	23.09	81.43	3.30	.30
20.0	27.36	35.81	23.21	81.49	3.33	.22
21.0	27.06	35.81	23.32	81.39	2.98	.17

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
22.0	26.02	35.63	23.50	81.22	2.54	.21
23.0	25.58	35.65	23.66	81.47	2.56	.24
24.0	25.35	35.77	23.82	81.14	2.53	.21
25.0	25.02	35.79	23.93	80.93	2.61	.20
26.0	24.56	35.88	24.14	81.10	2.56	.17
27.0	23.92	35.80	24.27	80.92	2.34	.16
28.0	23.52	35.80	24.39	80.86	2.22	.17
29.0	23.15	35.84	24.53	81.63	2.31	.17
30.0	22.89	35.89	24.64	81.79	2.31	.18
31.0	22.62	35.93	24.75	80.87	2.19	.15
32.0	22.37	36.00	24.87	78.82	2.00	.15
33.0	22.27	36.02	24.92	75.31	1.90	.15
34.0	22.10	36.06	24.99	71.99	1.74	.16
35.0	21.87	36.11	25.10	63.70	1.67	.18
36.0	21.80	36.13	25.13	54.29	1.65	.19
37.0	21.79	36.13	25.13	49.88	1.63	.20
38.0	21.77	36.13	25.14	42.93	1.51	.23
39.0	21.70	36.14	25.17	31.01	1.33	.26
40.0	21.61	35.23	24.50	28.92	1.09	.29

STATION 078

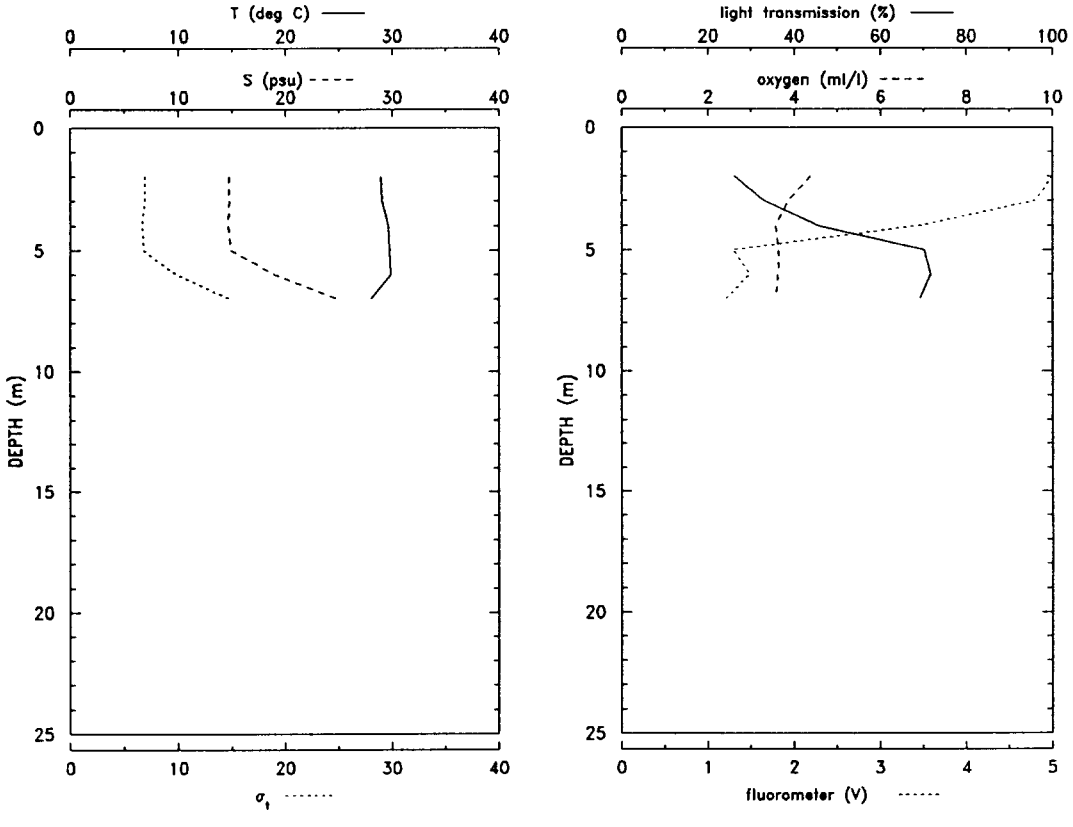
OP NUM: 931911200 LAT: 29 09.9 N LON: 89 45.1 W STATION DEPTH: 16 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluorometer (V)
2.0	28.68	17.77	9.29	28.50	5.02	5.00
3.0	28.82	17.90	9.34	29.44	4.33	5.00
4.0	28.99	18.14	9.47	23.76	3.99	5.00
5.0	29.34	18.58	9.68	39.52	3.77	4.82
6.0	29.60	20.15	10.77	60.65	3.92	3.18
7.0	28.89	25.13	14.71	62.13	3.96	1.44
8.0	28.23	28.88	17.73	66.98	3.96	.87
9.0	27.80	32.32	20.45	75.81	3.86	.52
10.0	27.22	33.89	21.81	77.77	3.82	.46
11.0	26.55	34.80	22.72	78.59	3.83	.33
12.0	26.21	35.03	22.99	77.89	3.76	.33
13.0	25.93	35.33	23.31	75.34	3.68	.30
14.0	25.74	35.68	23.63	70.64	3.66	.26

STATION 079

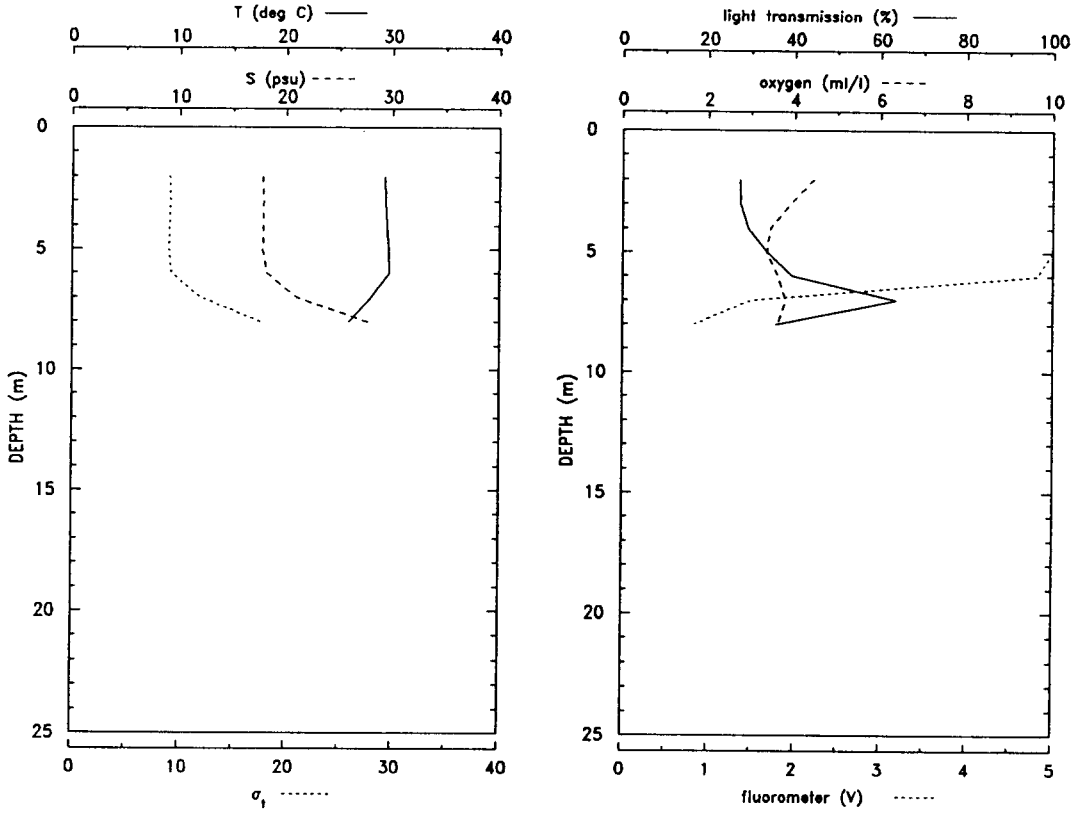
OP NUM: 931911255 LAT: 29 12.1 N LON: 89 39.9 W STATION DEPTH: 9 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluorometer (V)
2.0	28.95	14.67	6.90	26.01	4.38	5.00
3.0	29.07	14.73	6.90	32.96	3.87	4.80
4.0	29.66	14.60	6.62	45.31	3.57	3.48
5.0	29.75	14.87	6.79	70.11	3.64	1.29
6.0	29.85	18.99	9.82	71.55	3.62	1.49
7.0	28.01	24.86	14.79	69.26	3.58	1.21

STATION 080

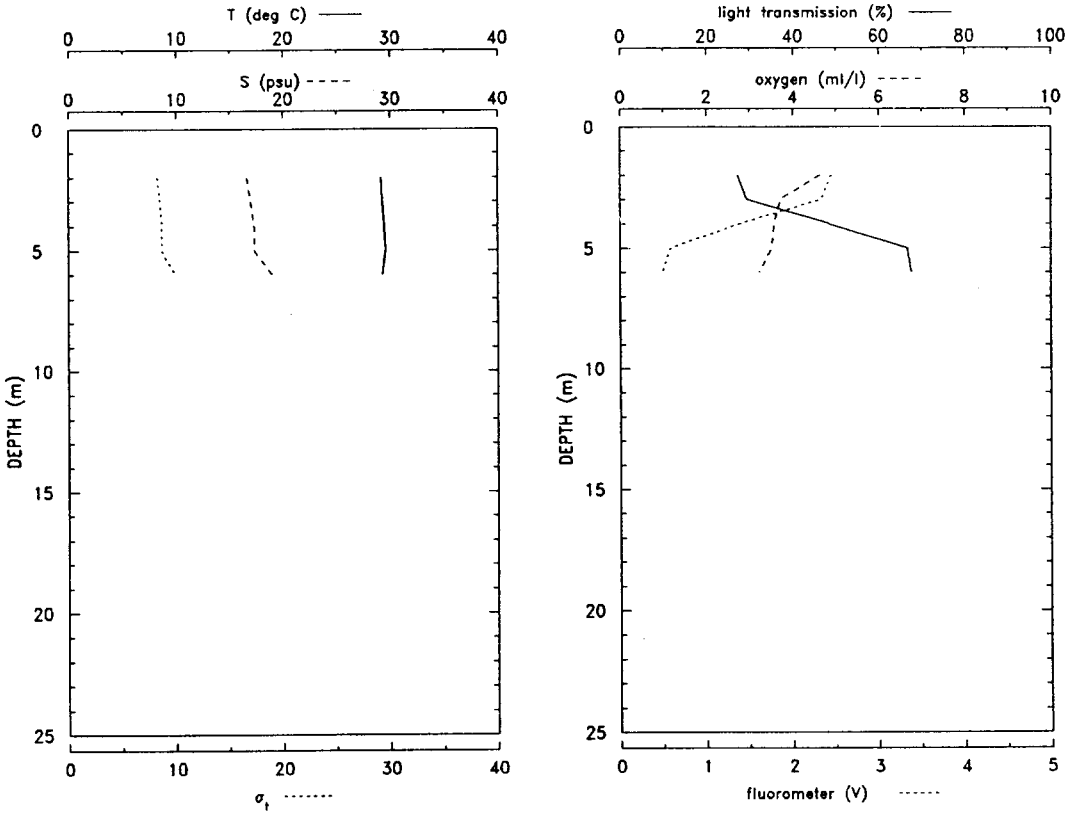
OP NUM: 931911425 LAT: 29 06.1 N LON: 89 29.9 W STATION DEPTH: 9 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluorometer (V)
2.0	29.30	17.73	9.06	27.31	4.45	5.00
3.0	29.32	17.82	9.12	27.47	3.90	5.00
4.0	29.44	17.80	9.07	29.24	3.44	5.00
5.0	29.61	17.75	8.98	33.62	3.35	5.00
6.0	29.72	18.13	9.22	39.42	3.62	4.82
7.0	28.00	20.98	11.89	63.59	3.79	1.50
8.0	25.89	27.67	17.55	35.74	3.61	.84

STATION 081

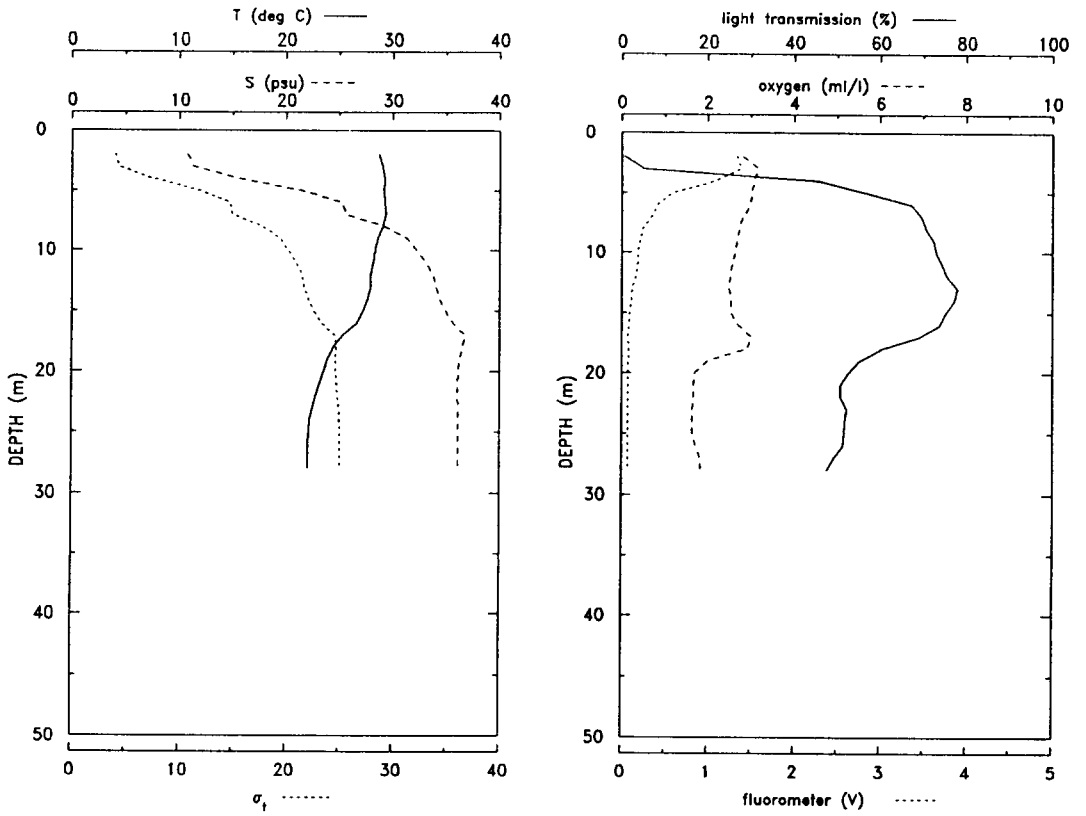
OP NUM: 931911540 LAT: 28 56.9 N LON: 89 30.0 W STATION DEPTH: 7 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluorometer (V)
2.0	29.16	16.61	8.28	27.31	4.64	2.45
3.0	29.26	16.98	8.51	29.31	3.72	2.34
4.0	29.43	17.28	8.69	48.36	3.58	1.40
5.0	29.60	17.32	8.66	66.64	3.51	.59
6.0	29.27	18.97	9.99	67.53	3.22	.49

STATION 082

OP NUM: 931911630 LAT: 28 51.9 N LON: 89 28.0 W STATION DEPTH: 29 m

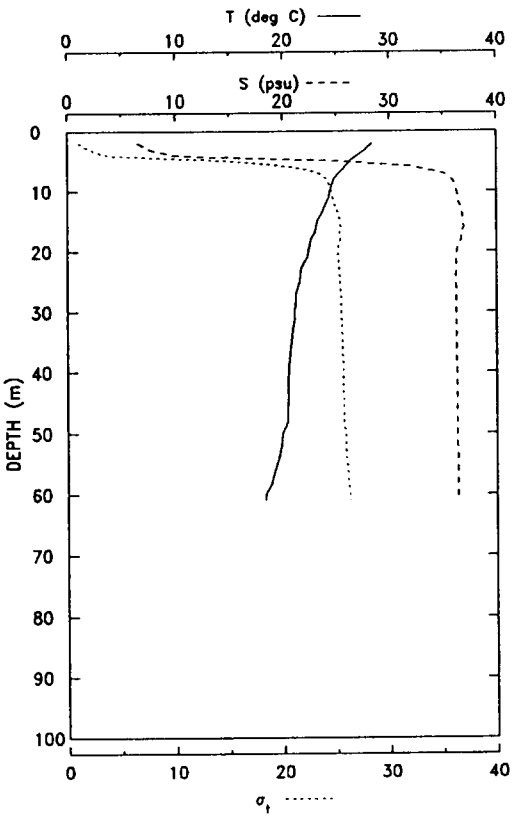


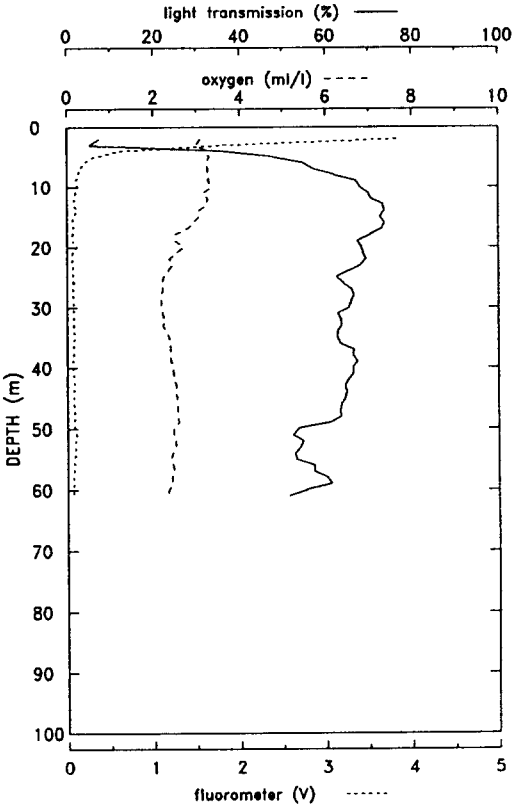
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	28.66	10.72	4.04	0.61	2.81	1.34
3.0	29.05	11.29	4.35	4.98	3.17	1.38
4.0	29.23	15.43	7.37	45.79	3.06	1.10
5.0	29.19	21.40	11.83	56.91	3.02	.60
6.0	29.24	25.27	14.70	67.32	2.99	.42
7.0	29.32	25.58	14.91	69.53	2.82	.35
8.0	29.04	29.22	17.72	70.57	2.73	.24
9.0	28.55	31.30	19.44	72.36	2.67	.21
10.0	28.33	32.19	20.18	73.00	2.63	.19
11.0	28.16	33.07	20.90	74.37	2.56	.18
12.0	27.91	33.76	21.49	75.54	2.52	.17
13.0	27.91	33.99	21.67	77.84	2.49	.12
14.0	27.63	34.39	22.06	77.16	2.53	.11
15.0	27.21	34.94	22.61	75.26	2.54	.09

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
16.0	26.62	35.64	23.33	73.64	2.69	.09
17.0	25.29	36.75	24.58	68.94	3.01	.07
18.0	24.38	36.52	24.68	60.03	2.90	.09
19.0	23.87	36.25	24.63	55.05	1.98	.08
20.0	23.49	36.11	24.64	52.50	1.70	.08
21.0	23.13	36.09	24.73	50.81	1.67	.08
22.0	22.80	36.09	24.82	50.83	1.66	.08
23.0	22.47	36.11	24.93	52.25	1.64	.08
24.0	22.19	36.13	25.02	51.80	1.63	.07
25.0	22.15	36.12	25.03	51.60	1.64	.07
26.0	22.10	36.12	25.04	51.35	1.72	.07
27.0	22.07	36.12	25.05	49.26	1.82	.08
28.0	22.07	36.12	25.05	47.67	1.84	.08

STATION 083

OP NUM: 931911755 LAT: 28 51.8 N LON: 89 20.2 W STATION DEPTH: 62 m





depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	28.38	6.56	1.03	7.38	3.08	3.82
3.0	27.77	7.61	1.99	5.38	2.99	1.77
4.0	27.03	9.76	3.81	35.73	3.26	.63
5.0	26.31	25.09	15.49	47.79	3.29	.32
6.0	25.78	32.33	21.09	55.13	3.24	.19
7.0	25.21	35.02	23.29	57.30	3.26	.15
8.0	24.78	35.80	24.02	62.09	3.27	.13
9.0	24.55	36.13	24.33	66.95	3.27	.11
10.0	24.41	36.29	24.50	67.96	3.35	.13
11.0	24.28	36.40	24.62	69.89	3.16	.10
12.0	24.06	36.50	24.76	70.58	3.27	.09
13.0	23.82	36.77	25.04	73.28	3.22	.08
14.0	23.56	36.82	25.16	73.53	3.05	.12
15.0	23.20	36.89	25.31	72.72	3.06	.07
16.0	23.07	36.94	25.38	73.54	2.92	.07
17.0	22.98	36.73	25.26	73.01	2.78	.07
18.0	22.63	36.75	25.37	70.24	2.49	.06
19.0	22.47	36.43	25.17	67.33	2.50	.06
20.0	22.35	36.32	25.13	68.19	2.69	.11
21.0	22.23	36.26	25.11	68.62	2.51	.06
22.0	21.90	36.27	25.21	69.19	2.37	.06
23.0	21.65	36.23	25.25	68.11	2.43	.06
24.0	21.58	36.21	25.26	65.19	2.34	.07

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
25.0	21.51	36.21	25.28	62.51	2.22	.07
26.0	21.36	36.23	25.33	63.95	2.20	.08
27.0	21.20	36.25	25.39	66.03	2.20	.07
28.0	21.16	36.24	25.39	66.42	2.18	.07
29.0	21.10	36.25	25.42	65.77	2.18	.07
30.0	21.07	36.24	25.42	65.37	2.18	.07
31.0	21.04	36.24	25.43	62.84	2.20	.07
32.0	20.98	36.25	25.45	63.43	2.25	.07
33.0	20.90	36.27	25.49	63.60	2.22	.07
34.0	20.85	36.26	25.50	62.69	2.28	.08
35.0	20.78	36.26	25.51	62.75	2.36	.09
36.0	20.73	36.26	25.53	63.32	2.38	.07
37.0	20.66	36.26	25.54	66.47	2.38	.07
38.0	20.58	36.27	25.58	66.25	2.38	.07
39.0	20.51	36.28	25.60	67.36	2.40	.06
40.0	20.50	36.28	25.60	66.24	2.43	.07
41.0	20.49	36.28	25.61	66.33	2.45	.07
42.0	20.46	36.28	25.62	65.03	2.47	.08
43.0	20.46	36.28	25.62	64.54	2.51	.08
44.0	20.44	36.28	25.62	64.79	2.52	.08
45.0	20.44	36.28	25.62	64.52	2.54	.08
46.0	20.43	36.28	25.62	63.53	2.54	.08
47.0	20.43	36.28	25.62	63.26	2.55	.09

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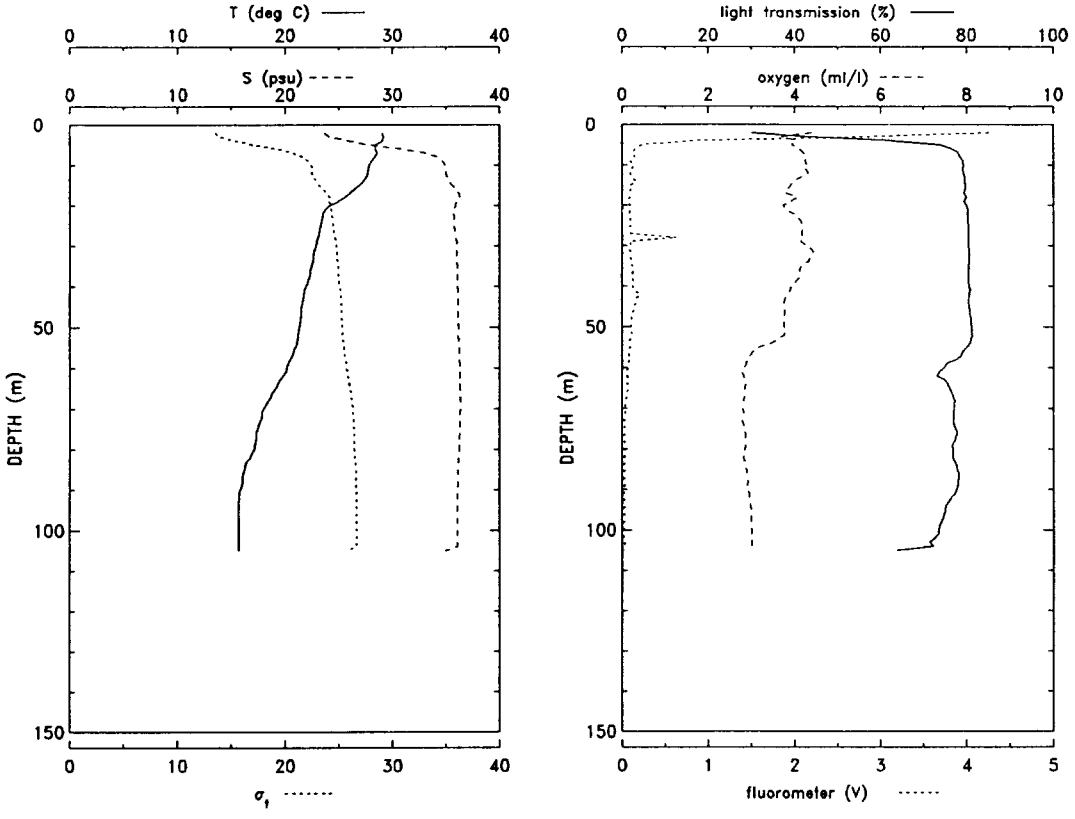
STATION 083: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
48.0	20.42	36.28	25.63	63.37	2.56	.09
49.0	20.22	36.32	25.71	60.98	2.57	.08
50.0	19.95	36.33	25.79	53.53	2.45	.09
51.0	19.88	36.33	25.81	52.34	2.46	.11
52.0	19.83	36.34	25.83	54.85	2.50	.09
53.0	19.71	36.35	25.87	54.02	2.50	.09
54.0	19.60	36.35	25.90	52.82	2.42	.09
55.0	19.42	36.37	25.96	53.09	2.39	.08
56.0	19.24	36.38	26.01	57.32	2.45	.08
57.0	19.01	36.37	26.07	57.38	2.47	.08
58.0	18.90	36.38	26.10	60.24	2.41	.07
59.0	18.67	36.36	26.15	61.31	2.42	.07
60.0	18.34	36.35	26.22	55.47	2.34	.07
61.0	18.32	36.36	26.23	51.51	2.31	.07

STATION 084

OP NUM: 931911915 LAT: 28 52.0 N LON: 89 09.9 W STATION DEPTH: 105 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.04	23.67	13.57	30.13	4.40	4.25
3.0	29.18	24.11	13.86	43.52	3.71	2.77
4.0	29.07	26.11	15.39	62.65	4.05	.86
5.0	28.41	27.84	16.89	73.75	3.93	.24
6.0	28.39	30.94	19.22	76.32	4.13	.16
7.0	28.58	33.04	20.73	78.00	4.21	.12
8.0	28.30	34.22	21.71	78.39	4.27	.15
9.0	28.01	34.69	22.16	79.07	4.24	.10
10.0	27.78	34.96	22.44	79.15	4.30	.14
11.0	27.72	35.01	22.50	79.13	4.24	.11
12.0	27.66	35.00	22.51	79.20	4.32	.10
13.0	27.56	35.10	22.61	79.53	4.15	.10
14.0	27.23	35.37	22.92	79.56	4.03	.16
15.0	26.92	35.57	23.17	79.70	3.92	.10
16.0	26.39	35.95	23.63	79.62	3.84	.09
17.0	26.01	36.17	23.92	79.39	3.79	.10
18.0	25.55	36.32	24.17	79.88	4.06	.09
19.0	24.96	35.95	24.08	79.34	3.94	.08
20.0	24.09	35.92	24.31	79.90	3.74	.09
21.0	23.75	35.77	24.30	80.24	3.78	.09
22.0	23.52	35.71	24.33	80.21	3.97	.09
23.0	23.47	35.77	24.38	80.25	4.06	.09
24.0	23.38	35.79	24.43	80.24	4.15	.09
25.0	23.26	35.79	24.46	80.39	4.18	.10

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
26.0	23.23	35.81	24.48	80.39	4.18	.09
27.0	23.17	35.85	24.53	80.46	4.17	.09
28.0	23.02	35.93	24.63	80.37	4.21	.63
29.0	22.90	35.98	24.71	80.38	4.15	.09
30.0	22.85	36.01	24.74	80.44	4.29	.10
31.0	22.72	36.00	24.77	80.55	4.41	.09
32.0	22.62	36.01	24.81	80.55	4.43	.09
33.0	22.59	36.03	24.83	80.62	4.38	.10
34.0	22.52	36.03	24.86	80.55	4.31	.10
35.0	22.41	36.06	24.91	80.47	4.17	.11
36.0	22.31	36.06	24.94	80.35	4.11	.13
37.0	22.31	36.05	24.93	80.41	4.13	.12
38.0	22.20	36.06	24.97	80.45	4.10	.12
39.0	22.10	36.07	25.01	80.46	4.01	.13
40.0	21.90	36.09	25.07	80.48	3.92	.12
41.0	21.79	36.10	25.12	80.65	3.90	.13
42.0	21.72	36.11	25.14	80.53	3.85	.21
43.0	21.66	36.13	25.17	80.34	3.79	.17
44.0	21.58	36.14	25.21	80.37	3.76	.16
45.0	21.51	36.14	25.23	80.57	3.76	.14
46.0	21.49	36.14	25.23	80.73	3.77	.13
47.0	21.46	36.15	25.25	80.75	3.76	.12
48.0	21.43	36.16	25.26	80.95	3.77	.11
49.0	21.37	36.17	25.28	81.03	3.75	.11

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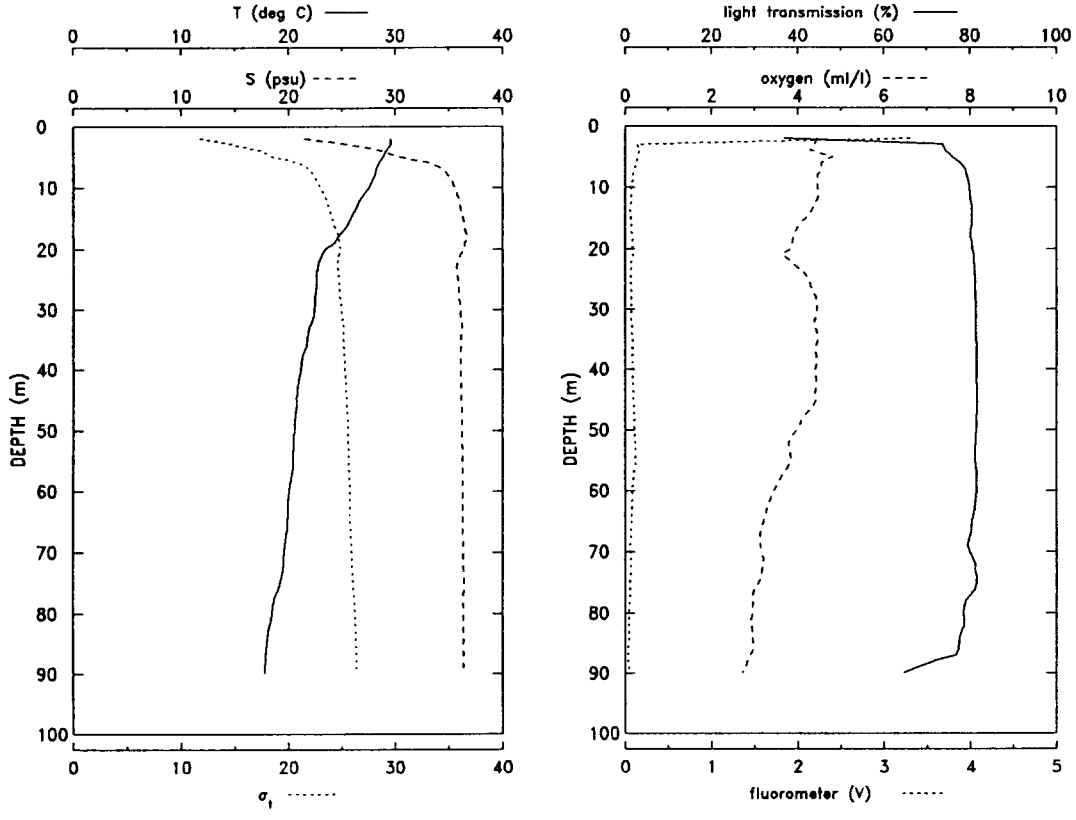
STATION 084: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	21.32	36.18	25.30	81.07	3.76	.11
51.0	21.27	36.20	25.33	81.16	3.80	.11
52.0	21.20	36.12	25.29	81.12	3.75	.11
53.0	21.15	36.20	25.37	80.96	3.62	.09
54.0	21.04	36.22	25.41	80.69	3.44	.09
55.0	20.88	36.22	25.46	79.99	3.16	.09
56.0	20.74	36.22	25.50	79.10	3.04	.08
57.0	20.64	36.23	25.53	78.69	2.97	.08
58.0	20.41	36.26	25.61	77.70	2.90	.09
59.0	20.21	36.28	25.69	75.32	2.88	.07
60.0	20.14	36.29	25.71	74.70	2.84	.07
61.0	20.03	36.31	25.75	73.75	2.79	.06
62.0	19.75	36.32	25.84	73.11	2.81	.06
63.0	19.45	36.33	25.92	74.86	2.86	.07
64.0	19.29	36.33	25.97	75.64	2.85	.06
65.0	19.07	36.34	26.03	76.01	2.84	.07
66.0	18.82	36.35	26.10	76.46	2.86	.06
67.0	18.69	36.35	26.14	76.86	2.85	.05
68.0	18.42	36.37	26.22	77.20	2.82	.05
69.0	18.18	36.35	26.26	77.18	2.80	.04
70.0	17.98	36.34	26.31	77.10	2.80	.04
71.0	17.87	36.34	26.33	77.00	2.81	.03
72.0	17.85	36.33	26.33	76.96	2.80	.03
73.0	17.70	36.31	26.35	76.93	2.79	.03
74.0	17.54	36.30	26.38	77.16	2.82	.03
75.0	17.45	36.30	26.40	77.61	2.83	.03
76.0	17.34	36.28	26.42	77.80	2.86	.03
77.0	17.30	36.27	26.42	77.57	2.85	.03
78.0	17.22	36.26	26.43	77.21	2.85	.03
79.0	17.16	36.26	26.44	76.70	2.86	.03
80.0	17.11	36.25	26.45	76.76	2.84	.03
81.0	16.91	36.22	26.48	76.88	2.85	.03
82.0	16.79	36.19	26.48	76.80	2.81	.03
83.0	16.41	36.16	26.55	77.30	2.85	.03
84.0	16.30	36.15	26.56	77.66	2.87	.03
85.0	16.23	36.14	26.57	77.83	2.88	.03
86.0	16.12	36.13	26.59	78.12	2.89	.03
87.0	16.06	36.12	26.60	78.18	2.91	.03
88.0	16.05	36.12	26.60	78.03	2.92	.03
89.0	16.00	36.11	26.60	77.99	2.91	.03
90.0	15.81	36.08	26.62	77.78	2.91	.03
91.0	15.75	36.08	26.64	77.37	2.94	.02
92.0	15.74	36.08	26.64	76.53	2.95	.03
93.0	15.72	36.08	26.64	75.90	2.97	.03
94.0	15.72	36.08	26.64	75.18	2.98	.03
95.0	15.72	36.07	26.64	75.11	2.99	.03
96.0	15.72	36.07	26.64	74.93	2.99	.03
97.0	15.72	36.07	26.64	74.64	2.99	.03
98.0	15.72	36.07	26.64	74.22	3.00	.03
99.0	15.71	36.07	26.64	73.67	3.00	.03
100.0	15.71	36.07	26.64	73.59	3.00	.03
101.0	15.72	36.07	26.64	73.49	3.00	.03
102.0	15.71	36.07	26.64	72.59	3.00	.03
103.0	15.71	36.07	26.64	71.51	3.01	.03
104.0	15.71	36.07	26.64	72.14	3.00	.03
105.0	15.72	34.91	25.75	63.81	2.93	.03

STATION 085

OP NUM: 931912025 LAT: 28 56.9 N LON: 89 00.9 W STATION DEPTH: 95 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.59	21.48	11.76	36.99	4.45	3.30
3.0	29.57	25.73	14.94	73.67	4.40	.14
4.0	29.17	28.88	17.42	74.32	4.29	.17
5.0	28.88	30.27	18.56	75.74	4.83	.15
6.0	28.42	33.34	21.02	77.79	4.55	.13
7.0	28.20	34.54	21.99	78.84	4.55	.11
8.0	28.11	34.94	22.32	79.22	4.47	.09
9.0	27.77	35.37	22.75	79.62	4.47	.09
10.0	27.54	35.52	22.94	79.81	4.47	.08
11.0	27.05	35.80	23.30	79.94	4.50	.07
12.0	26.67	36.01	23.58	80.16	4.47	.08
13.0	26.40	36.10	23.74	80.36	4.38	.07
14.0	26.10	36.25	23.95	80.47	4.32	.06
15.0	25.83	36.37	24.12	80.43	4.19	.06
16.0	25.53	36.45	24.28	80.41	4.06	.07
17.0	25.14	36.57	24.49	80.17	3.97	.07
18.0	24.62	36.77	24.80	80.11	3.90	.09
19.0	24.26	36.51	24.71	80.33	3.88	.09
20.0	23.44	36.45	24.91	80.56	3.84	.09
21.0	23.11	36.07	24.71	80.78	3.65	.09
22.0	22.85	35.87	24.64	80.85	3.83	.08
23.0	22.71	35.78	24.61	80.97	3.99	.07
24.0	22.62	35.84	24.68	81.05	4.15	.07
25.0	22.61	35.89	24.72	81.11	4.27	.07

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
26.0	22.61	35.91	24.73	81.17	4.30	.07
27.0	22.56	35.96	24.79	81.14	4.36	.08
28.0	22.49	36.01	24.84	81.19	4.43	.07
29.0	22.50	36.09	24.91	81.24	4.44	.07
30.0	22.42	36.15	24.97	81.25	4.45	.08
31.0	22.39	36.16	24.99	81.28	4.45	.07
32.0	22.22	36.25	25.11	81.32	4.39	.07
33.0	21.95	36.25	25.19	81.29	4.42	.08
34.0	21.87	36.20	25.17	81.35	4.45	.08
35.0	21.79	36.18	25.18	81.34	4.47	.09
36.0	21.73	36.17	25.19	81.42	4.44	.08
37.0	21.46	36.14	25.24	81.40	4.42	.09
38.0	21.31	36.12	25.26	81.45	4.44	.09
39.0	21.26	36.11	25.27	81.47	4.44	.09
40.0	21.20	36.11	25.29	81.46	4.41	.09
41.0	21.04	36.14	25.35	81.47	4.43	.09
42.0	20.93	36.17	25.40	81.50	4.44	.09
43.0	20.89	36.17	25.41	81.54	4.43	.10
44.0	20.83	36.17	25.43	81.53	4.41	.09
45.0	20.79	36.19	25.46	81.53	4.43	.10
46.0	20.77	36.21	25.48	81.55	4.38	.10
47.0	20.70	36.25	25.53	81.54	4.25	.10
48.0	20.63	36.27	25.56	81.43	4.12	.11
49.0	20.59	36.27	25.57	81.37	4.06	.11

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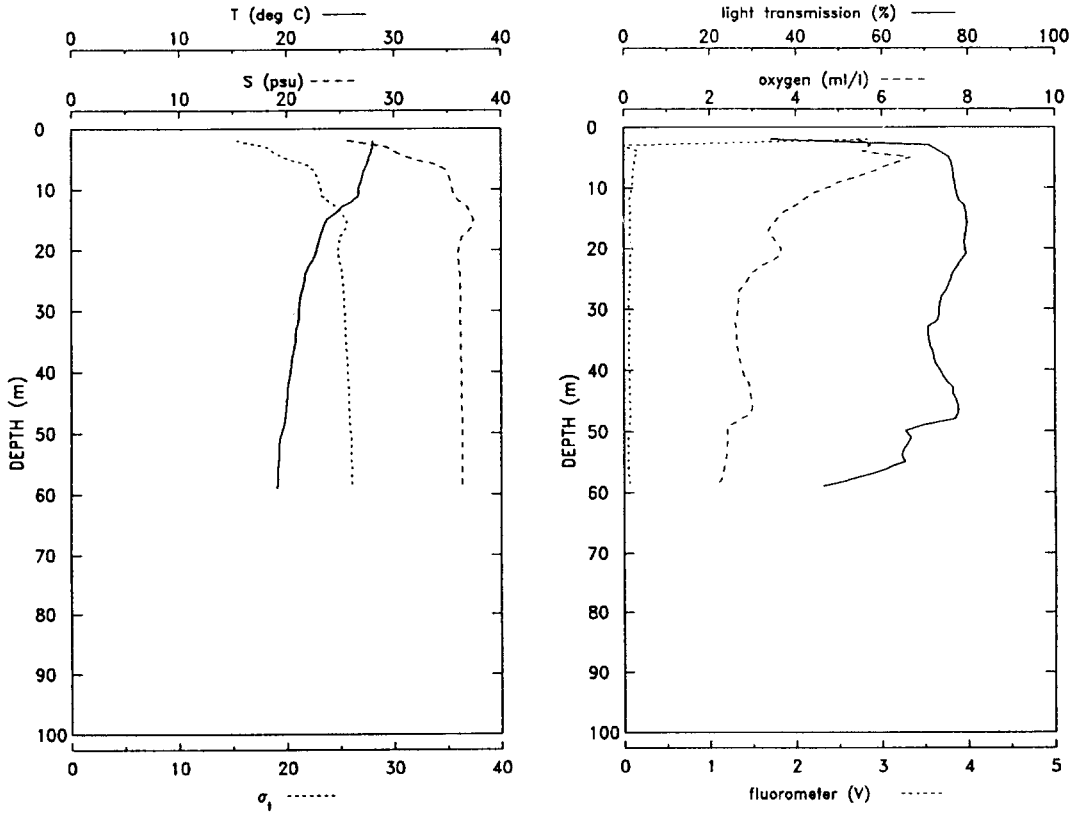
STATION 085: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	20.57	36.26	25.58	81.37	3.98	.11
51.0	20.53	36.26	25.58	81.22	3.89	.11
52.0	20.48	36.27	25.60	81.26	3.80	.12
53.0	20.44	36.28	25.63	81.07	3.80	.12
54.0	20.44	36.29	25.63	81.07	3.83	.12
55.0	20.44	36.31	25.65	81.16	3.84	.12
56.0	20.40	36.32	25.66	81.31	3.78	.12
57.0	20.32	36.33	25.69	81.41	3.69	.10
58.0	20.20	36.32	25.72	81.44	3.60	.10
59.0	20.12	36.32	25.74	81.51	3.52	.09
60.0	20.02	36.32	25.76	81.50	3.44	.08
61.0	19.98	36.31	25.77	81.28	3.38	.08
62.0	19.95	36.31	25.77	81.16	3.32	.08
63.0	19.93	36.30	25.78	80.94	3.28	.08
64.0	19.92	36.30	25.78	80.77	3.25	.08
65.0	19.88	36.31	25.79	80.46	3.20	.07
66.0	19.85	36.31	25.80	80.25	3.17	.07
67.0	19.81	36.32	25.82	80.05	3.12	.07
68.0	19.70	36.34	25.86	79.64	3.12	.06
69.0	19.64	36.34	25.88	79.40	3.13	.06
70.0	19.57	36.36	25.91	79.82	3.16	.06
71.0	19.53	36.38	25.94	80.55	3.21	.06
72.0	19.50	36.39	25.96	81.07	3.18	.07
73.0	19.44	36.39	25.97	81.18	3.17	.07
74.0	19.34	36.41	26.02	81.46	3.16	.06
75.0	19.22	36.41	26.04	81.50	3.10	.06
76.0	19.05	36.40	26.08	81.10	2.98	.06
77.0	18.75	36.39	26.15	80.06	2.97	.06
78.0	18.61	36.38	26.18	78.95	2.96	.05
79.0	18.51	36.38	26.20	78.63	2.95	.05
80.0	18.42	36.38	26.23	78.52	2.95	.05
81.0	18.37	36.38	26.24	78.63	2.92	.05
82.0	18.19	36.37	26.27	78.59	2.93	.05
83.0	18.11	36.36	26.29	78.06	2.94	.05
84.0	18.05	36.36	26.30	77.52	2.94	.04
85.0	17.95	36.36	26.32	77.42	2.97	.04
86.0	17.89	36.35	26.34	77.24	2.97	.04
87.0	17.87	36.35	26.34	76.67	2.90	.04
88.0	17.82	36.34	26.34	71.57	2.83	.04
89.0	17.81	36.34	26.35	67.83	2.80	.04
90.0	17.79	36.33	26.35	64.83	2.71	.05

STATION 086

OP NUM: 931912125 LAT: 29 04.0 N LON: 88 57.0 W STATION DEPTH: 60 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	28.00	25.65	15.39	34.27	5.42	2.84
3.0	27.99	29.30	18.12	71.12	5.75	-.01
4.0	27.83	30.24	18.88	73.41	5.55	.17
5.0	27.64	31.74	20.07	75.65	6.67	.13
6.0	27.43	34.14	21.93	76.17	6.26	.13
7.0	27.15	34.90	22.60	76.50	5.91	.11
8.0	27.00	35.16	22.84	76.65	5.49	.11
9.0	26.84	35.31	23.01	76.77	5.06	.10
10.0	26.69	35.48	23.18	77.17	4.74	.10
11.0	26.66	35.56	23.25	77.42	4.39	.08
12.0	26.04	36.12	23.87	77.87	4.19	.07
13.0	25.06	36.92	24.78	79.20	3.98	.07
14.0	24.54	37.12	25.09	79.58	3.73	.08
15.0	23.73	37.41	25.55	79.59	3.60	.07
16.0	23.44	37.38	25.61	79.77	3.47	.07
17.0	23.24	36.88	25.29	79.54	3.36	.08
18.0	23.10	36.33	24.91	79.32	3.45	.07
19.0	22.92	36.17	24.84	79.13	3.56	.07
20.0	22.79	36.02	24.77	79.33	3.67	.10
21.0	22.61	36.01	24.82	79.53	3.67	.08
22.0	22.31	36.06	24.93	78.39	3.49	.07
23.0	21.98	36.12	25.07	77.57	3.20	.07
24.0	21.70	36.16	25.18	76.54	3.00	.07
25.0	21.64	36.16	25.20	76.01	2.90	.07

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
26.0	21.53	36.18	25.24	75.53	2.80	.07
27.0	21.38	36.20	25.31	74.95	2.68	.07
28.0	21.21	36.23	25.38	73.88	2.66	.06
29.0	21.16	36.21	25.38	73.57	2.66	.06
30.0	21.13	36.21	25.38	73.32	2.66	.06
31.0	21.12	36.20	25.38	73.21	2.64	.06
32.0	21.05	36.21	25.41	72.78	2.59	.07
33.0	20.87	36.24	25.48	70.67	2.60	.06
34.0	20.81	36.24	25.49	70.65	2.62	.06
35.0	20.80	36.24	25.50	70.91	2.62	.06
36.0	20.69	36.25	25.53	71.22	2.64	.06
37.0	20.57	36.27	25.58	71.74	2.66	.06
38.0	20.48	36.28	25.61	71.99	2.69	.06
39.0	20.42	36.28	25.63	72.39	2.71	.06
40.0	20.33	36.29	25.66	73.44	2.74	.06
41.0	20.25	36.29	25.68	74.15	2.80	.06
42.0	20.14	36.31	25.72	75.12	2.89	.06
43.0	20.05	36.32	25.76	76.55	2.92	.07
44.0	20.03	36.32	25.76	76.60	2.94	.07
45.0	19.98	36.33	25.78	77.34	2.98	.07
46.0	19.95	36.33	25.80	77.74	2.97	.07
47.0	19.90	36.35	25.82	77.74	2.96	.07
48.0	19.84	36.35	25.84	76.97	2.73	.07
49.0	19.67	36.35	25.88	69.76	2.45	.07

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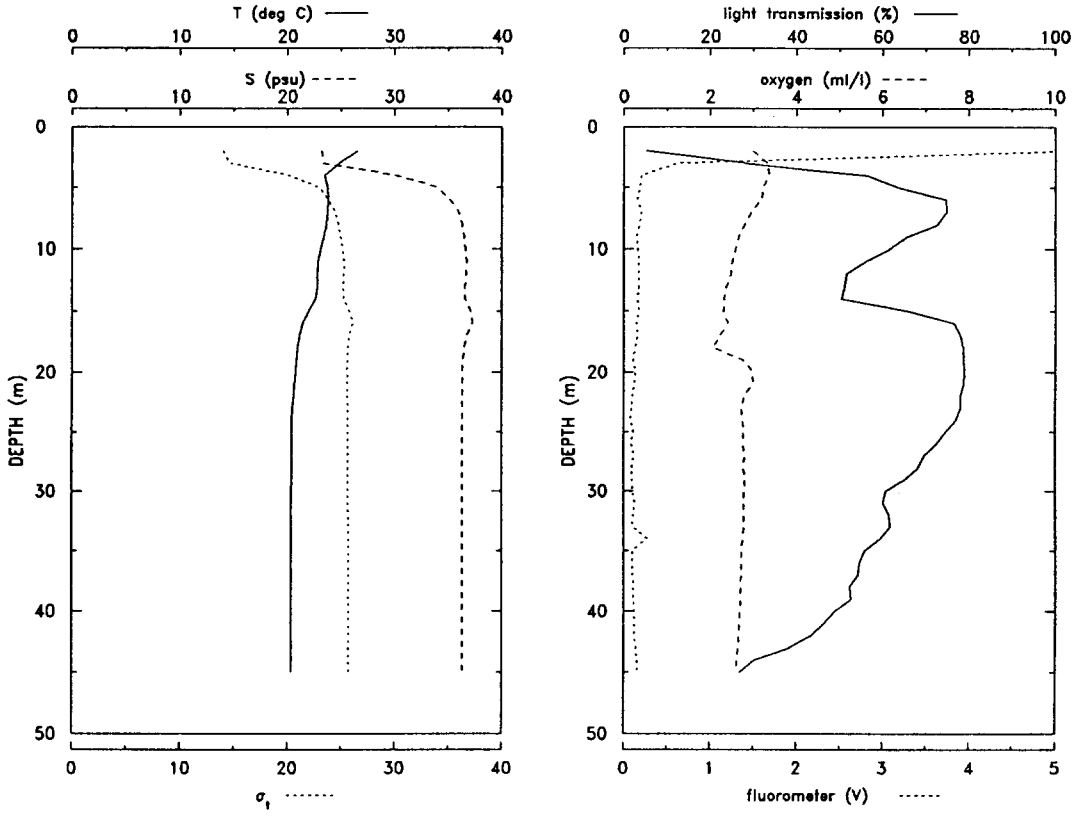
STATION 086: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	19.50	36.36	25.94	65.45	2.40	.06
51.0	19.32	36.37	25.99	66.67	2.41	.05
52.0	19.29	36.38	26.00	66.05	2.40	.05
53.0	19.28	36.38	26.00	65.11	2.39	.05
54.0	19.26	36.38	26.01	64.62	2.38	.05
55.0	19.19	36.38	26.03	65.35	2.36	.05
56.0	19.14	36.38	26.04	61.58	2.33	.05
57.0	19.14	36.38	26.04	57.61	2.29	.06
58.0	19.13	36.38	26.05	52.15	2.26	.06
59.0	19.10	36.38	26.05	46.37	2.13	.07

STATION 087

OP NUM: 931912230 LAT: 29 11.4 N LON: 88 53.9 W STATION DEPTH: 47 m

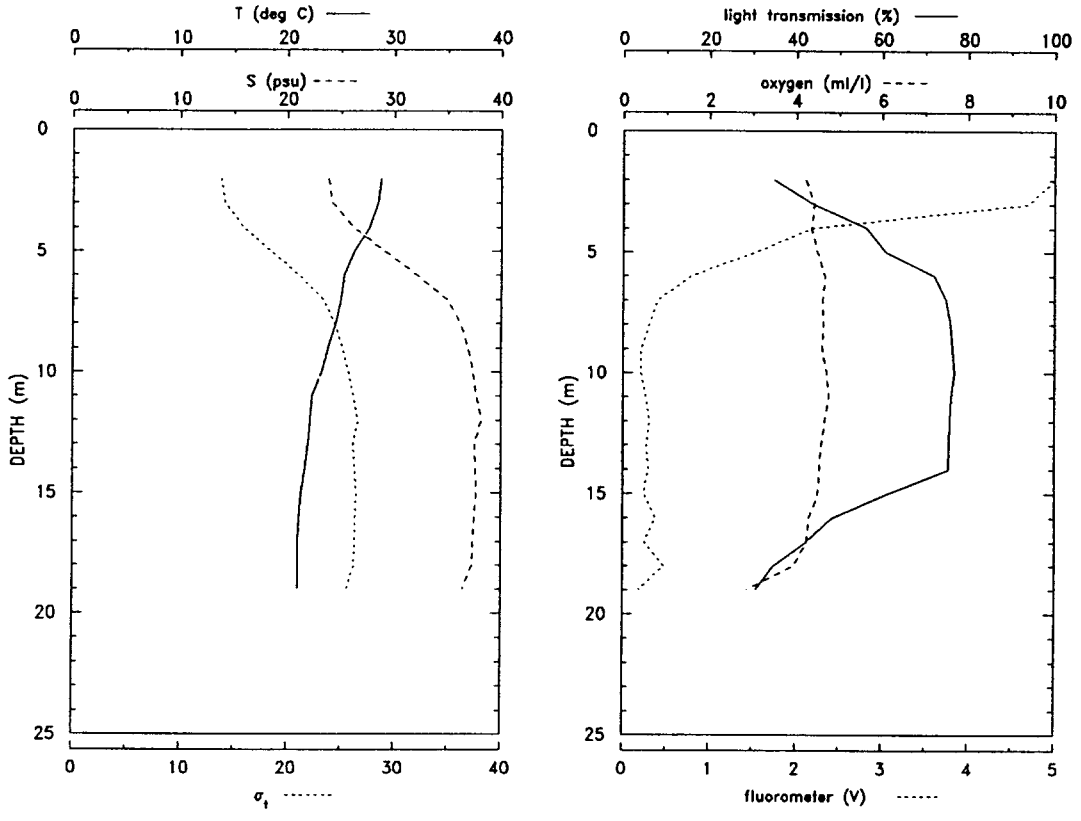


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	26.53	23.19	14.00	5.17	3.00	4.97
3.0	24.84	23.30	14.57	28.25	3.33	.63
4.0	23.42	30.07	20.09	56.36	3.37	.20
5.0	23.72	33.98	22.96	63.76	3.23	.19
6.0	23.78	35.14	23.81	74.77	3.19	.16
7.0	23.75	35.98	24.46	74.95	2.96	.20
8.0	23.59	36.28	24.73	72.76	2.80	.19
9.0	23.36	36.48	24.95	65.61	2.67	.15
10.0	23.11	36.61	25.13	61.68	2.60	.16
11.0	22.86	36.73	25.29	56.16	2.52	.17
12.0	22.80	36.65	25.25	51.64	2.48	.17
13.0	22.78	36.55	25.18	51.17	2.37	.17
14.0	22.61	36.57	25.24	50.50	2.33	.16
15.0	21.98	37.06	25.79	66.12	2.31	.17
16.0	21.44	37.25	26.09	76.54	2.41	.15
17.0	21.13	36.68	25.74	78.05	2.22	.16
18.0	20.93	36.49	25.65	78.68	2.06	.13
19.0	20.82	36.36	25.58	78.76	2.75	.11
20.0	20.77	36.30	25.55	78.89	2.98	.14
21.0	20.64	36.31	25.59	78.69	2.99	.12
22.0	20.57	36.30	25.60	77.98	2.80	.11
23.0	20.48	36.31	25.63	78.01	2.73	.09

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
24.0	20.43	36.31	25.65	76.91	2.76	.08
25.0	20.41	36.32	25.66	74.52	2.78	.11
26.0	20.39	36.32	25.67	72.57	2.77	.09
27.0	20.39	36.32	25.67	69.67	2.80	.12
28.0	20.39	36.32	25.67	68.33	2.77	.10
29.0	20.38	36.32	25.67	65.22	2.81	.10
30.0	20.37	36.32	25.67	60.82	2.79	.11
31.0	20.35	36.32	25.68	60.18	2.78	.13
32.0	20.34	36.32	25.68	61.56	2.78	.11
33.0	20.33	36.32	25.68	61.81	2.78	.10
34.0	20.33	36.32	25.68	59.35	2.76	.27
35.0	20.33	36.32	25.68	55.86	2.73	.10
36.0	20.33	36.32	25.68	54.60	2.72	.11
37.0	20.33	36.32	25.68	54.36	2.72	.11
38.0	20.33	36.32	25.68	52.39	2.71	.11
39.0	20.33	36.32	25.68	52.78	2.71	.11
40.0	20.33	36.32	25.68	49.01	2.70	.13
41.0	20.33	36.32	25.68	46.43	2.68	.13
42.0	20.33	36.32	25.68	43.46	2.67	.12
43.0	20.33	36.32	25.68	38.46	2.65	.14
44.0	20.33	36.31	25.68	30.17	2.63	.16
45.0	20.33	36.31	25.68	26.91	2.62	.16

STATION 088

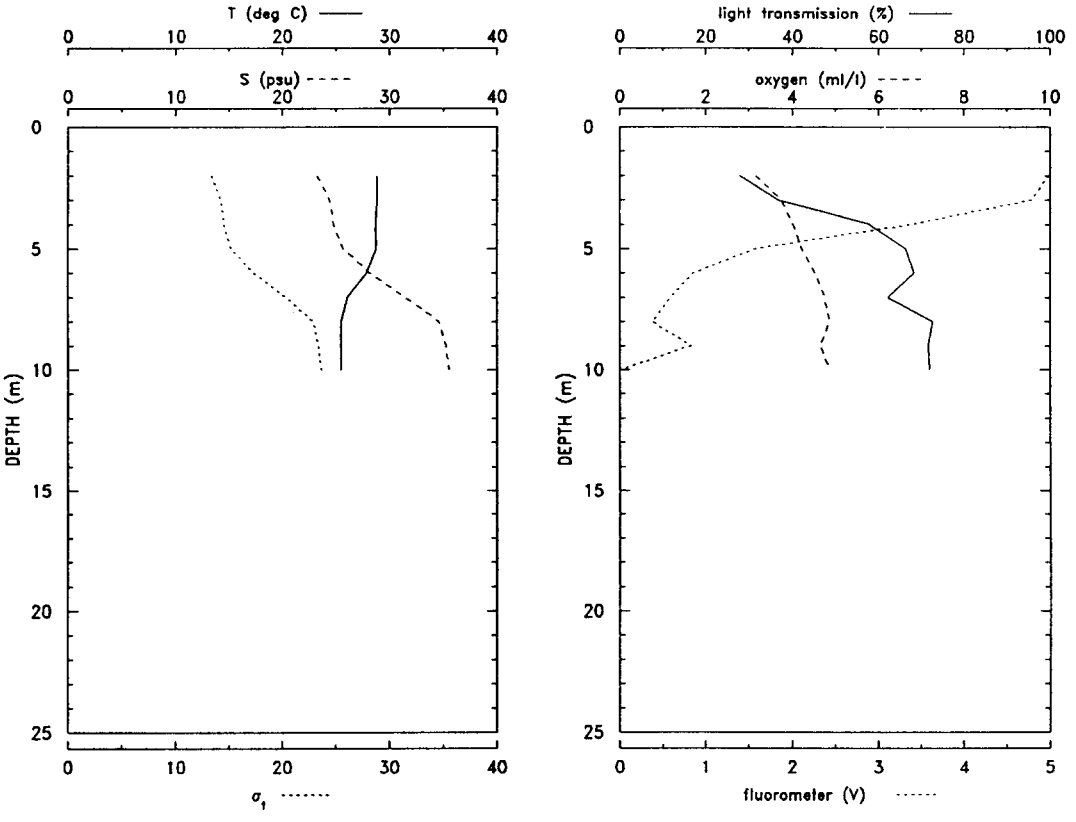
OP NUM: 931912350 LAT: 29 13.5 N LON: 88 54.6 W STATION DEPTH: 21 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluorometer (V)
2.0	28.76	23.83	13.78	34.79	4.23	5.00
3.0	28.44	24.14	14.12	43.98	4.42	4.69
4.0	27.68	26.13	15.84	56.46	4.36	2.18
5.0	26.27	28.99	18.43	60.97	4.49	1.53
6.0	25.30	32.07	21.04	72.15	4.68	.79
7.0	24.96	34.92	23.29	74.86	4.62	.40
8.0	24.52	36.22	24.41	75.96	4.64	.31
9.0	23.80	36.91	25.15	76.43	4.62	.21
10.0	23.19	37.38	25.68	76.76	4.71	.21
11.0	22.32	37.70	26.18	76.15	4.77	.26
12.0	22.12	38.18	26.60	75.81	4.68	.31
13.0	21.94	37.54	26.17	75.61	4.59	.27
14.0	21.63	37.62	26.31	75.45	4.55	.29
15.0	21.28	37.69	26.46	61.29	4.52	.24
16.0	21.13	37.54	26.39	48.57	4.32	.38
17.0	21.03	37.39	26.31	42.37	4.26	.25
18.0	20.99	37.31	26.26	34.85	3.96	.48
19.0	20.97	36.41	25.57	30.86	2.89	.19

STATION 089

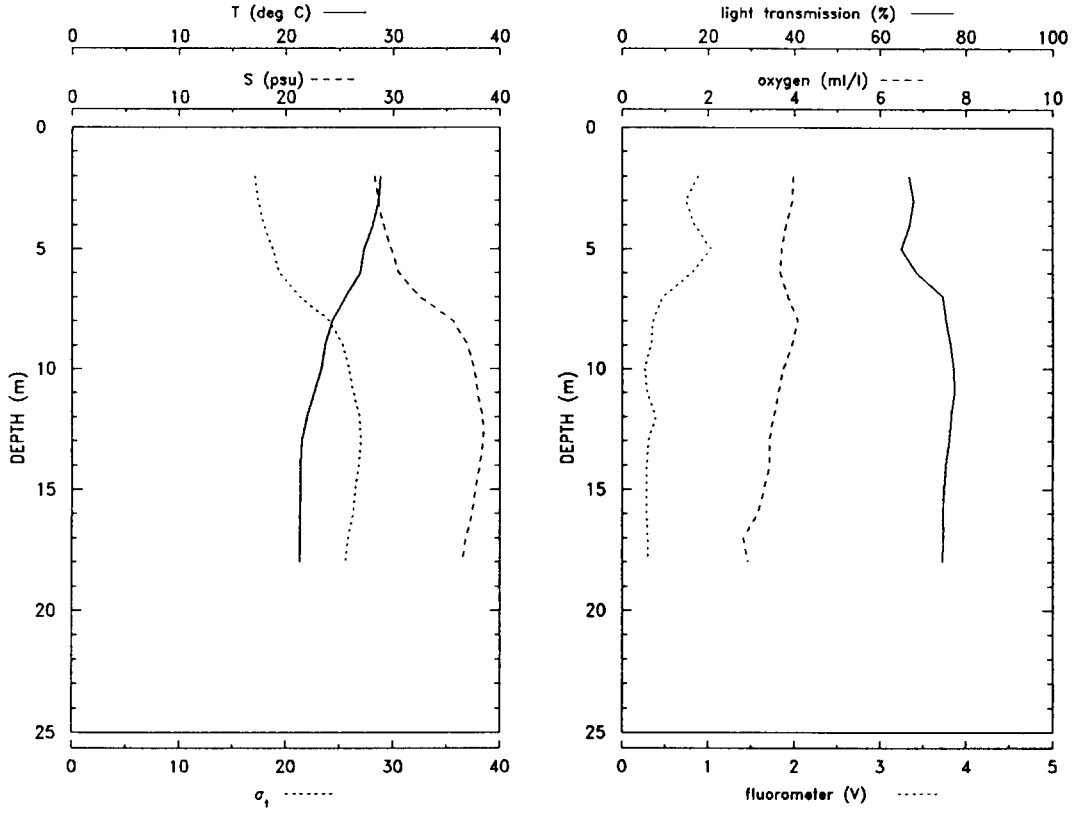
OP NUM: 931920115 LAT: 29 27.1 N LON: 88 59.2 W STATION DEPTH: 9 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluorometer (V)
2.0	28.79	23.23	13.33	27.81	3.15	4.98
3.0	28.79	24.42	14.22	36.84	3.74	4.78
4.0	28.69	24.77	14.50	57.85	4.03	3.38
5.0	28.72	25.66	15.16	66.47	4.22	1.57
6.0	27.83	28.18	17.33	68.39	4.53	.86
7.0	26.05	31.48	20.37	62.22	4.75	.59
8.0	25.45	34.60	22.90	72.63	4.86	.38
9.0	25.47	35.21	23.36	71.68	4.65	.83
10.0	25.46	35.56	23.63	71.90	4.86	.02

STATION 090

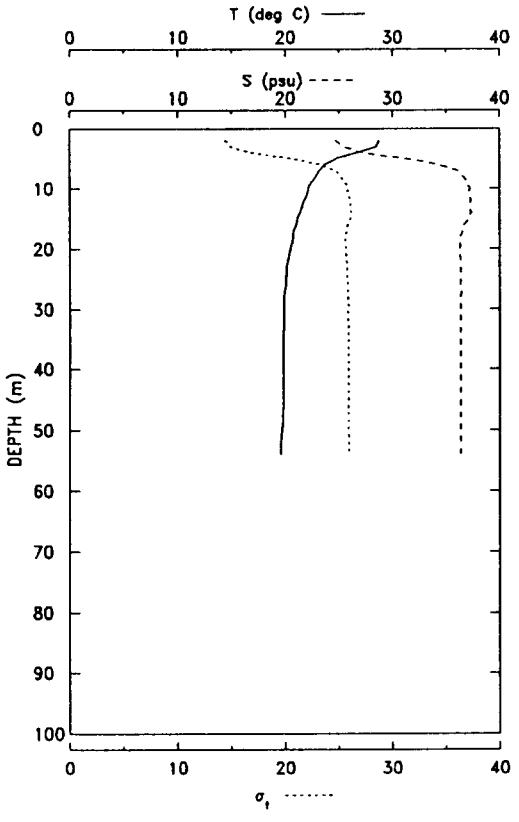
OP NUM: 931920220 LAT: 29 25.1 N LON: 88 52.6 W STATION DEPTH: 18 m

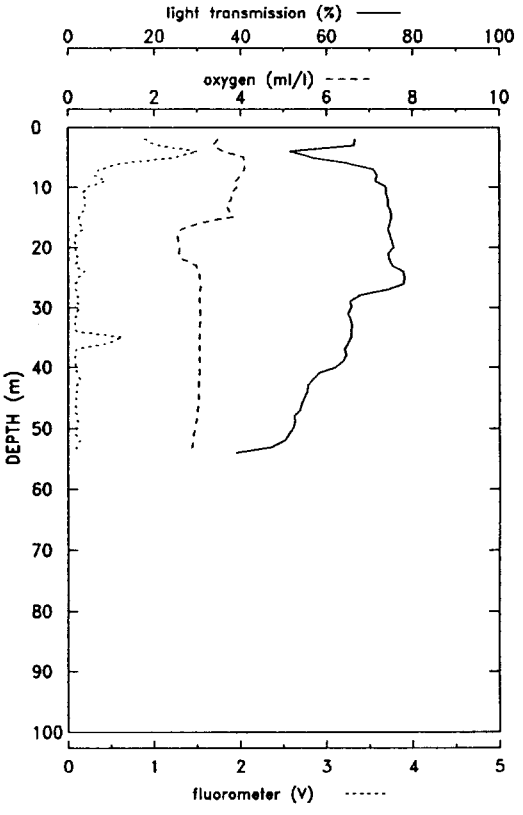


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluorometer (V)
2.0	28.80	28.28	17.09	66.70	3.97	.88
3.0	28.60	28.57	17.38	67.75	3.96	.74
4.0	28.10	29.09	17.92	66.81	3.81	.84
5.0	27.28	29.83	18.74	64.85	3.71	1.03
6.0	26.92	30.51	19.37	68.55	3.68	.81
7.0	25.53	32.48	21.28	74.57	3.86	.47
8.0	24.25	35.59	24.01	75.27	4.08	.36
9.0	23.59	36.99	25.27	76.41	3.95	.34
10.0	23.26	37.61	25.84	77.06	3.74	.26
11.0	22.63	37.93	26.27	77.23	3.63	.29
12.0	21.95	38.41	26.83	76.59	3.53	.39
13.0	21.51	38.45	26.98	76.01	3.42	.31
14.0	21.38	38.14	26.78	75.31	3.43	.28
15.0	21.33	37.70	26.46	74.92	3.30	.28
16.0	21.32	37.42	26.25	74.65	3.15	.28
17.0	21.30	36.82	25.80	74.76	2.81	.29
18.0	21.30	36.49	25.55	74.58	2.93	.30

STATION 091

OP NUM: 931920330 LAT: 29 19.9 N LON: 88 45.0 W STATION DEPTH: 54 m



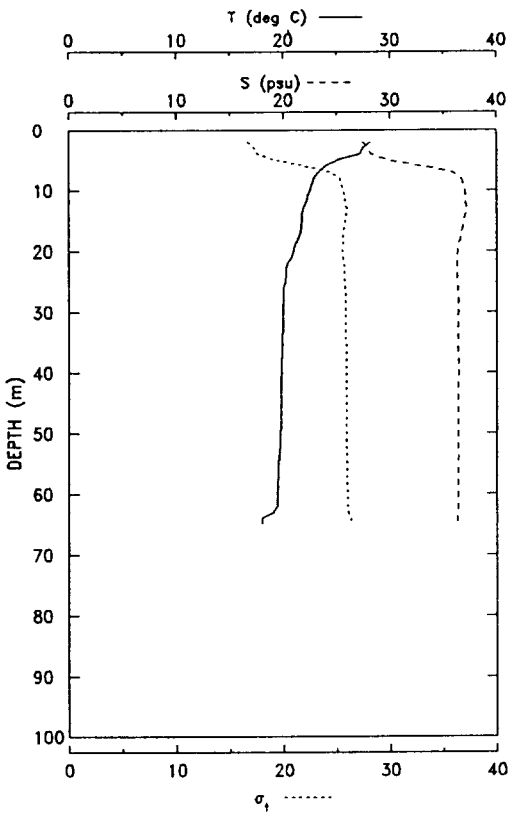


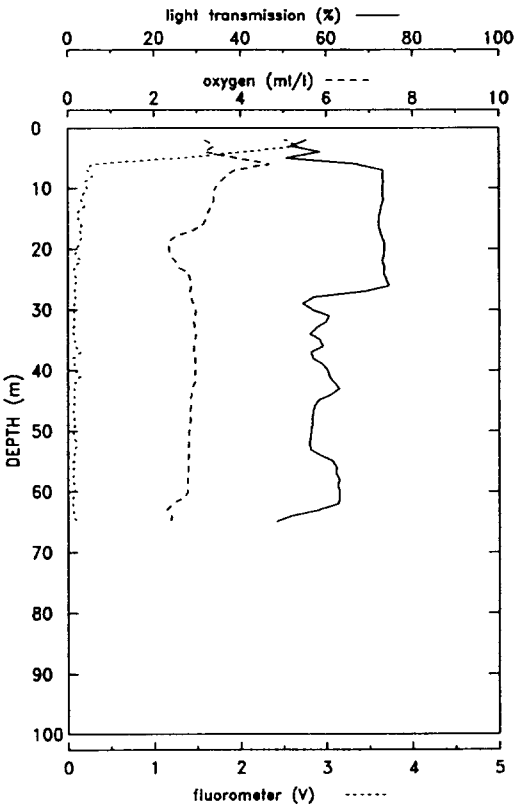
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	28.77	24.68	14.41	66.55	3.46	.89
3.0	28.52	25.28	14.94	66.41	3.37	1.02
4.0	26.74	27.15	16.90	51.58	3.61	1.50
5.0	24.74	31.24	20.58	56.27	4.08	1.24
6.0	23.60	34.35	23.26	65.01	4.09	.63
7.0	23.12	36.05	24.70	70.94	4.09	.37
8.0	22.85	36.62	25.21	71.56	4.01	.30
9.0	22.38	36.97	25.61	71.37	3.88	.44
10.0	22.14	37.18	25.84	73.66	3.91	.22
11.0	21.99	37.12	25.84	73.77	3.79	.17
12.0	21.73	37.32	26.06	74.09	3.79	.19
13.0	21.52	37.23	26.05	74.15	3.68	.19
14.0	21.34	37.34	26.18	74.78	3.72	.18
15.0	21.15	37.14	26.08	74.91	3.83	.13
16.0	20.99	36.71	25.80	74.61	3.04	.14
17.0	20.79	36.56	25.74	74.13	2.62	.17
18.0	20.72	36.38	25.62	74.53	2.54	.09
19.0	20.66	36.32	25.60	75.04	2.55	.08
20.0	20.46	36.32	25.65	75.55	2.58	.09
21.0	20.36	36.32	25.67	74.31	2.56	.08
22.0	20.21	36.34	25.73	74.45	2.62	.12
23.0	20.10	36.37	25.78	75.19	2.96	.08
24.0	20.09	36.37	25.79	77.66	3.03	.19
25.0	20.08	36.37	25.79	78.08	3.04	.12
26.0	20.04	36.39	25.81	77.86	3.07	.09
27.0	19.95	36.41	25.85	74.18	3.06	.09
28.0	19.90	36.39	25.85	67.40	3.04	.11

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
29.0	19.87	36.39	25.86	65.41	3.04	.10
30.0	19.87	36.39	25.86	65.73	3.05	.14
31.0	19.87	36.39	25.86	64.97	3.05	.09
32.0	19.86	36.38	25.86	65.54	3.05	.09
33.0	19.85	36.38	25.86	65.76	3.04	.08
34.0	19.84	36.38	25.86	65.71	3.04	.09
35.0	19.84	36.38	25.86	65.59	3.04	.63
36.0	19.83	36.38	25.86	64.93	3.04	.47
37.0	19.83	36.38	25.86	64.21	3.04	.09
38.0	19.83	36.38	25.87	64.41	3.04	.09
39.0	19.82	36.38	25.87	63.90	3.03	.09
40.0	19.81	36.38	25.87	62.19	3.03	.09
41.0	19.81	36.39	25.87	58.29	3.03	.10
42.0	19.81	36.39	25.87	56.89	3.03	.14
43.0	19.81	36.39	25.87	55.72	3.03	.10
44.0	19.81	36.39	25.87	55.49	3.03	.10
45.0	19.80	36.39	25.87	54.95	3.02	.09
46.0	19.80	36.39	25.87	54.22	3.01	.09
47.0	19.77	36.39	25.88	53.93	2.99	.09
48.0	19.75	36.39	25.89	52.59	2.98	.09
49.0	19.74	36.39	25.89	52.74	2.96	.11
50.0	19.71	36.39	25.90	52.25	2.94	.10
51.0	19.65	36.39	25.92	51.18	2.91	.09
52.0	19.58	36.39	25.93	50.35	2.89	.14
53.0	19.56	36.39	25.94	47.70	2.88	.09
54.0	19.56	36.39	25.94	38.95	2.81	.11

STATION 092

OP NUM: 931921215 LAT: 29 13.1 N LON: 88 44.9 W STATION DEPTH: 65 m





depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	28.16	27.41	16.65	55.36	3.17	2.52
3.0	27.43	27.98	17.31	51.77	3.39	2.67
4.0	27.13	28.20	17.57	58.50	3.17	2.06
5.0	25.04	29.77	19.39	50.75	3.89	1.27
6.0	23.83	32.92	22.12	67.21	4.67	.27
7.0	23.26	35.81	24.48	73.14	3.87	.22
8.0	22.87	36.70	25.26	73.03	3.66	.28
9.0	22.70	36.86	25.44	73.14	3.53	.20
10.0	22.47	37.01	25.62	72.92	3.42	.22
11.0	22.24	37.11	25.75	72.92	3.36	.18
12.0	22.14	37.09	25.77	73.14	3.39	.16
13.0	21.83	37.22	25.95	72.73	3.32	.19
14.0	21.72	37.11	25.90	72.36	3.25	.12
15.0	21.69	36.95	25.79	72.13	3.20	.12
16.0	21.65	36.82	25.70	72.11	3.12	.16
17.0	21.58	36.66	25.60	72.36	2.92	.14
18.0	21.39	36.58	25.59	72.77	2.48	.16
19.0	21.08	36.49	25.61	73.38	2.33	.13
20.0	20.95	36.35	25.53	73.40	2.33	.11
21.0	20.77	36.32	25.56	73.27	2.37	.08
22.0	20.38	36.33	25.67	72.93	2.48	.15
23.0	20.26	36.33	25.71	73.40	2.56	.07
24.0	20.20	36.33	25.73	73.32	2.80	.07
25.0	20.14	36.33	25.74	73.82	2.84	.10

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
26.0	20.01	36.35	25.79	74.41	2.87	.08
27.0	20.00	36.39	25.82	68.57	2.83	.08
28.0	19.99	36.41	25.84	56.79	2.86	.09
29.0	19.95	36.41	25.85	54.52	2.90	.07
30.0	19.94	36.40	25.85	56.78	2.96	.07
31.0	19.93	36.39	25.85	60.59	2.94	.08
32.0	19.92	36.39	25.85	59.92	2.92	.08
33.0	19.91	36.39	25.85	57.58	2.93	.07
34.0	19.90	36.39	25.85	56.17	2.96	.07
35.0	19.88	36.39	25.86	58.50	2.94	.08
36.0	19.87	36.39	25.86	59.12	2.91	.09
37.0	19.85	36.40	25.87	56.50	2.92	.15
38.0	19.81	36.40	25.88	56.89	2.94	.06
39.0	19.80	36.40	25.88	59.16	2.94	.07
40.0	19.79	36.40	25.89	60.29	2.95	.08
41.0	19.78	36.40	25.89	60.70	2.95	.14
42.0	19.76	36.40	25.89	61.80	2.95	.09
43.0	19.75	36.39	25.89	62.95	2.88	.07
44.0	19.74	36.39	25.90	61.19	2.86	.07
45.0	19.73	36.39	25.90	58.06	2.84	.08
46.0	19.73	36.39	25.90	57.17	2.84	.07
47.0	19.73	36.39	25.90	56.85	2.84	.07
48.0	19.73	36.39	25.90	56.76	2.84	.07
49.0	19.73	36.39	25.90	56.71	2.83	.08

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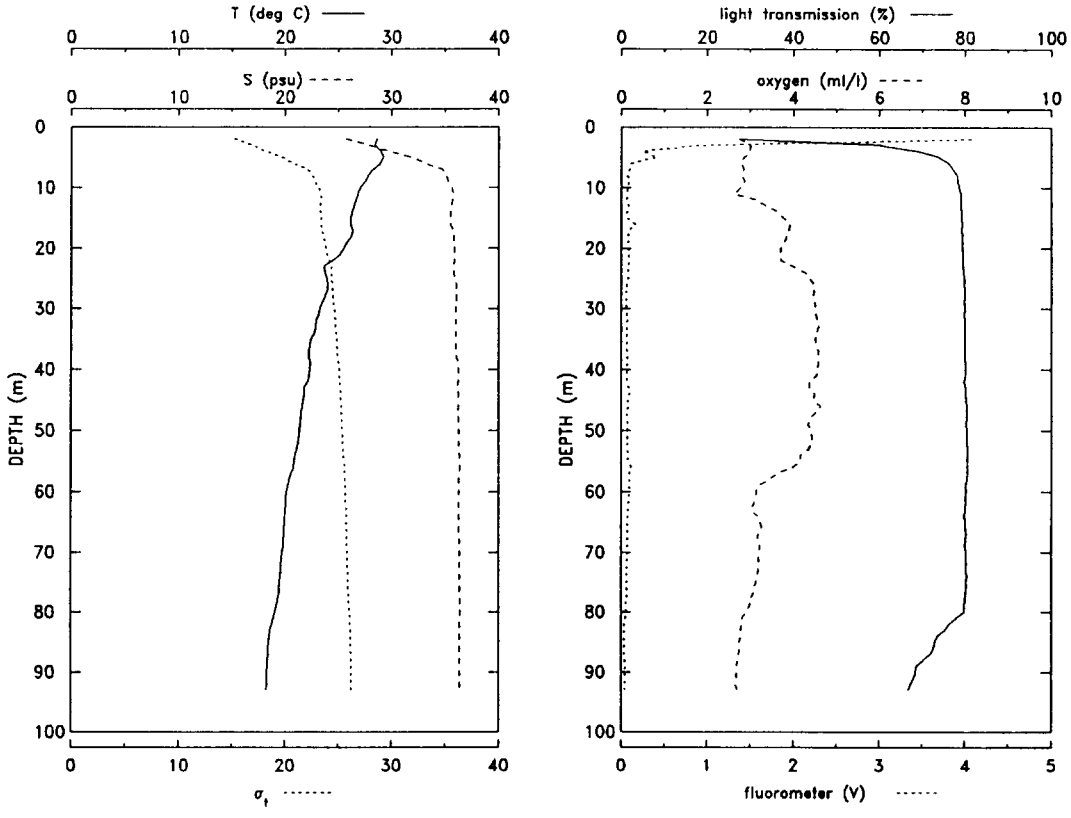
STATION 092: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	19.72	36.39	25.90	56.39	2.81	.07
51.0	19.71	36.39	25.90	56.21	2.80	.07
52.0	19.68	36.39	25.91	56.09	2.79	.10
53.0	19.64	36.40	25.92	56.25	2.80	.08
54.0	19.60	36.40	25.94	58.48	2.80	.08
55.0	19.54	36.39	25.95	61.49	2.79	.07
56.0	19.51	36.39	25.95	62.36	2.78	.07
57.0	19.49	36.39	25.96	62.27	2.78	.06
58.0	19.46	36.39	25.97	62.99	2.77	.06
59.0	19.44	36.39	25.97	62.62	2.77	.08
60.0	19.42	36.39	25.98	63.03	2.77	.08
61.0	19.42	36.39	25.98	62.96	2.71	.06
62.0	19.39	36.40	25.99	62.88	2.42	.06
63.0	19.05	36.34	26.04	58.34	2.30	.06
64.0	17.98	36.30	26.28	51.75	2.39	.07
65.0	17.95	36.30	26.28	48.38	2.38	.11

STATION 093

OP NUM: 931921345 LAT: 29 05.1 N LON: 88 45.1 W STATION DEPTH: 100 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	28.60	25.70	15.23	27.42	2.73	4.07
3.0	28.46	27.86	16.89	60.52	3.01	.90
4.0	29.01	29.68	18.08	69.11	2.99	.25
5.0	29.25	31.91	19.66	74.00	2.85	.41
6.0	28.90	33.15	20.71	76.25	2.80	.12
7.0	28.26	34.73	22.11	77.34	2.84	.10
8.0	27.82	35.18	22.59	78.11	2.82	.08
9.0	27.54	35.31	22.78	78.27	2.88	.09
10.0	27.07	35.65	23.19	78.56	2.77	.07
11.0	26.83	35.80	23.38	79.00	2.63	.07
12.0	26.65	35.70	23.36	79.09	3.18	.07
13.0	26.49	35.60	23.34	79.11	3.37	.09
14.0	26.32	35.55	23.35	79.16	3.65	.07
15.0	26.16	35.52	23.38	79.23	3.79	.07
16.0	26.20	35.55	23.39	79.29	3.92	.16
17.0	26.37	35.76	23.50	79.23	3.90	.09
18.0	26.22	35.85	23.60	79.34	3.84	.08
19.0	25.83	35.85	23.73	79.36	3.78	.09
20.0	25.52	35.87	23.84	79.34	3.71	.09
21.0	25.18	35.90	23.97	79.54	3.70	.09
22.0	24.55	35.90	24.16	79.46	3.71	.09
23.0	23.66	35.83	24.37	79.50	3.98	.09
24.0	23.72	35.80	24.33	79.64	4.26	.08
25.0	23.89	35.95	24.39	79.76	4.38	.08

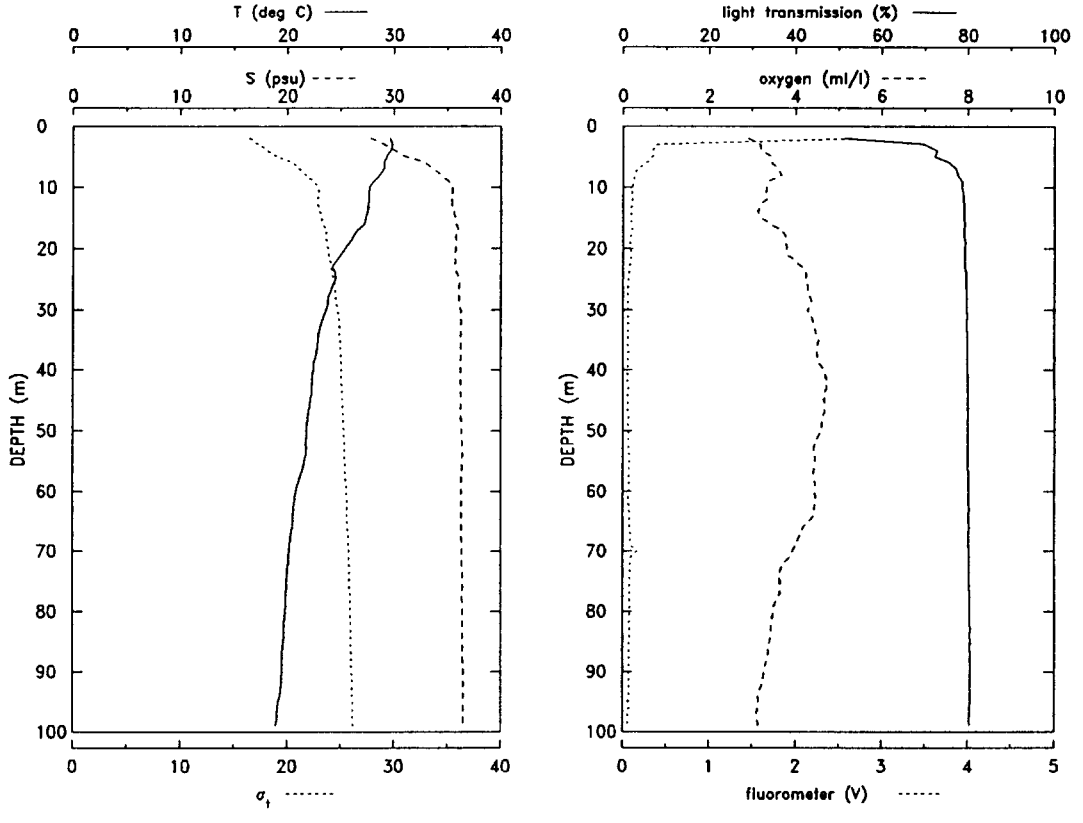
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
26.0	23.97	36.06	24.45	79.83	4.48	.07
27.0	23.96	36.09	24.48	79.90	4.48	.06
28.0	23.73	36.07	24.53	79.94	4.47	.06
29.0	23.52	36.05	24.58	79.87	4.50	.06
30.0	23.26	36.02	24.64	79.92	4.51	.06
31.0	23.12	36.04	24.69	79.87	4.53	.07
32.0	22.93	36.03	24.74	79.90	4.56	.07
33.0	22.85	36.03	24.76	79.96	4.59	.07
34.0	22.77	36.03	24.79	79.98	4.54	.06
35.0	22.44	36.01	24.86	79.99	4.52	.07
36.0	22.29	35.99	24.89	80.00	4.54	.07
37.0	22.24	36.02	24.92	79.95	4.58	.07
38.0	22.23	36.07	24.97	79.99	4.60	.07
39.0	22.36	36.21	25.03	80.10	4.58	.07
40.0	22.31	36.27	25.10	80.17	4.57	.07
41.0	22.26	36.28	25.12	80.17	4.55	.07
42.0	22.11	36.26	25.14	79.85	4.38	.07
43.0	21.79	36.20	25.19	80.03	4.38	.09
44.0	21.79	36.24	25.22	80.06	4.50	.10
45.0	21.73	36.26	25.25	80.27	4.48	.08
46.0	21.59	36.25	25.28	80.33	4.64	.09
47.0	21.52	36.26	25.31	80.37	4.53	.06
48.0	21.45	36.27	25.34	80.39	4.39	.06
49.0	21.42	36.29	25.36	80.32	4.35	.08

STATION 093: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	21.38	36.30	25.38	80.42	4.41	.07
51.0	21.31	36.30	25.40	80.45	4.44	.07
52.0	21.24	36.30	25.42	80.46	4.43	.07
53.0	21.11	36.30	25.46	80.51	4.36	.07
54.0	20.94	36.34	25.53	80.49	4.17	.08
55.0	20.90	36.35	25.55	80.51	4.18	.09
56.0	20.83	36.36	25.58	80.50	3.99	.12
57.0	20.59	36.34	25.63	80.52	3.64	.10
58.0	20.41	36.32	25.66	80.42	3.45	.10
59.0	20.31	36.30	25.67	80.14	3.19	.10
60.0	20.18	36.30	25.71	80.18	3.14	.10
61.0	20.13	36.31	25.73	80.08	3.13	.09
62.0	20.10	36.31	25.74	80.04	3.08	.09
63.0	20.03	36.32	25.76	79.95	3.03	.08
64.0	19.99	36.32	25.78	79.86	3.17	.08
65.0	19.97	36.32	25.78	80.09	3.24	.07
66.0	19.96	36.33	25.79	80.14	3.27	.08
67.0	19.92	36.34	25.80	80.21	3.19	.07
68.0	19.89	36.34	25.82	80.11	3.17	.08
69.0	19.84	36.35	25.83	80.02	3.23	.07
70.0	19.76	36.37	25.87	80.24	3.21	.07
71.0	19.69	36.37	25.89	80.26	3.21	.07
72.0	19.66	36.38	25.90	80.26	3.20	.07
73.0	19.62	36.38	25.92	80.30	3.19	.07
74.0	19.59	36.39	25.93	80.34	3.16	.07
75.0	19.50	36.40	25.96	80.28	3.13	.07
76.0	19.47	36.40	25.97	80.18	3.11	.06
77.0	19.43	36.40	25.98	80.07	3.07	.06
78.0	19.34	36.40	26.00	79.92	2.99	.06
79.0	19.23	36.42	26.05	79.84	2.99	.06
80.0	19.12	36.42	26.08	79.81	2.90	.06
81.0	18.90	36.40	26.12	77.84	2.82	.05
82.0	18.80	36.39	26.14	76.30	2.81	.04
83.0	18.65	36.38	26.17	75.38	2.78	.04
84.0	18.58	36.38	26.18	73.49	2.77	.04
85.0	18.53	36.37	26.19	73.03	2.76	.04
86.0	18.47	36.37	26.21	72.65	2.75	.04
87.0	18.44	36.37	26.22	71.98	2.73	.04
88.0	18.40	36.38	26.23	70.35	2.71	.05
89.0	18.37	36.37	26.23	68.69	2.70	.05
90.0	18.35	36.37	26.24	68.44	2.69	.05
91.0	18.33	36.37	26.24	67.99	2.67	.05
92.0	18.31	36.37	26.25	67.25	2.66	.04
93.0	18.24	36.36	26.26	66.86	2.69	.05

STATION 094

OP NUM: 931921510 LAT: 28 57.9 N LON: 88 50.1 W STATION DEPTH: 241 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.65	27.77	16.44	51.44	2.90	2.64
3.0	29.84	29.02	17.31	69.95	3.18	.39
4.0	29.70	30.02	18.10	72.76	3.20	.34
5.0	29.28	31.05	19.01	72.41	3.43	.34
6.0	29.02	32.94	20.52	75.74	3.46	.27
7.0	29.02	33.63	21.04	77.33	3.61	.16
8.0	28.61	34.36	21.72	77.62	3.68	.14
9.0	28.11	35.08	22.42	78.55	3.40	.12
10.0	27.66	35.50	22.88	78.59	3.33	.12
11.0	27.63	35.49	22.89	78.86	3.32	.10
12.0	27.62	35.41	22.83	78.97	3.33	.11
13.0	27.53	35.44	22.88	78.99	3.17	.10
14.0	27.49	35.59	23.01	79.11	3.13	.10
15.0	27.30	35.75	23.19	79.11	3.21	.09
16.0	27.17	35.80	23.27	79.16	3.41	.09
17.0	26.55	36.05	23.66	79.12	3.69	.11
18.0	26.17	35.77	23.56	79.13	3.76	.09
19.0	25.81	35.81	23.71	79.37	3.78	.08
20.0	25.42	35.75	23.78	79.28	3.80	.09
21.0	24.99	35.68	23.86	79.15	3.81	.10
22.0	24.58	35.69	23.99	79.16	3.99	.09
23.0	24.23	35.71	24.11	79.28	4.16	.08
24.0	24.47	35.85	24.15	79.49	4.24	.07
25.0	24.53	36.12	24.33	79.56	4.24	.07
26.0	24.21	36.09	24.40	79.50	4.28	.06
27.0	24.04	36.07	24.44	79.69	4.28	.06
28.0	23.83	36.08	24.51	79.69	4.35	.06
29.0	23.81	36.10	24.53	79.65	4.38	.06
30.0	23.61	36.23	24.69	79.72	4.27	.06
31.0	23.40	36.25	24.77	79.75	4.37	.06
32.0	23.23	36.29	24.85	79.70	4.41	.06
33.0	23.04	36.26	24.88	79.66	4.45	.06
34.0	22.93	36.24	24.90	79.77	4.49	.06
35.0	22.83	36.23	24.92	79.83	4.54	.06
36.0	22.79	36.22	24.92	79.87	4.52	.06
37.0	22.71	36.23	24.95	79.84	4.50	.07
38.0	22.61	36.23	24.98	79.87	4.52	.06
39.0	22.45	36.23	25.03	79.82	4.55	.06
40.0	22.41	36.23	25.04	79.87	4.65	.06
41.0	22.33	36.24	25.07	79.91	4.71	.06
42.0	22.30	36.24	25.08	79.91	4.72	.06
43.0	22.28	36.24	25.08	79.92	4.71	.06
44.0	22.25	36.24	25.10	79.91	4.68	.06
45.0	22.15	36.26	25.14	79.93	4.67	.06
46.0	22.05	36.27	25.17	79.92	4.68	.06
47.0	21.96	36.26	25.19	79.97	4.67	.06
48.0	21.88	36.27	25.21	79.97	4.62	.06
49.0	21.85	36.29	25.24	79.92	4.61	.06

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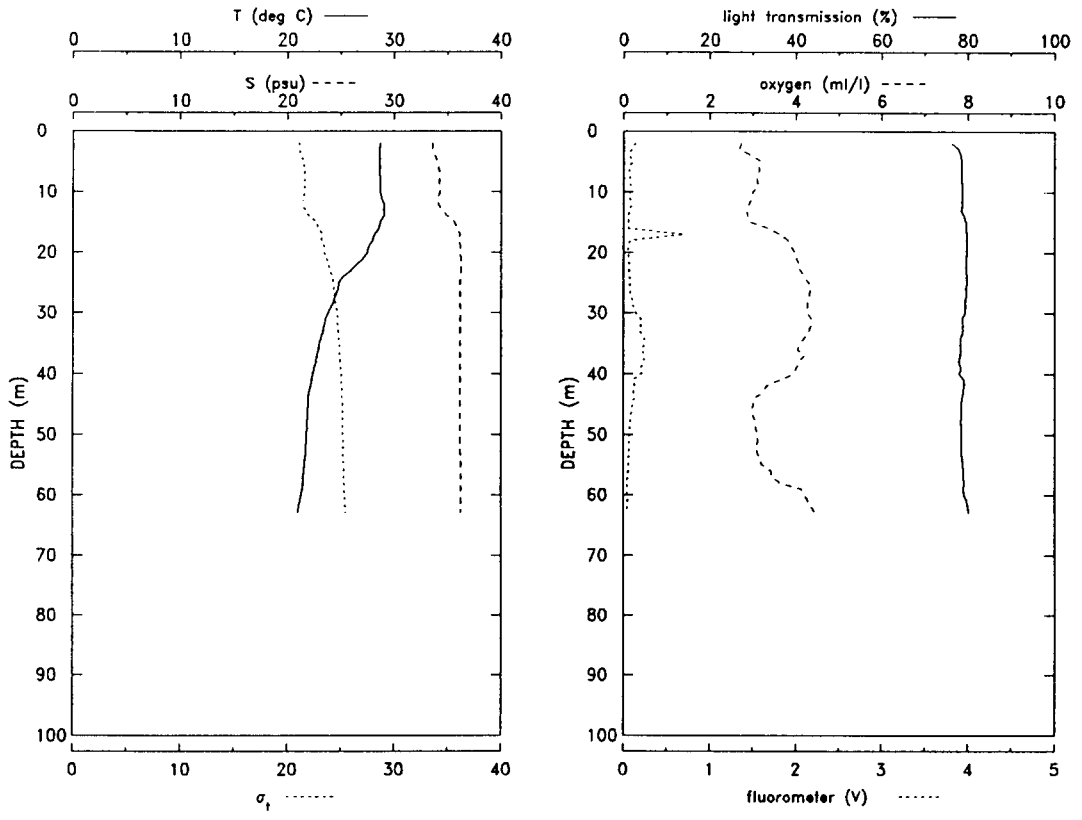
STATION 094: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	21.78	36.31	25.28	79.94	4.62	.07
51.0	21.78	36.34	25.29	80.02	4.53	.07
52.0	21.75	36.37	25.33	80.01	4.45	.07
53.0	21.77	36.41	25.35	80.01	4.43	.07
54.0	21.71	36.40	25.37	79.96	4.44	.08
55.0	21.60	36.37	25.38	80.01	4.46	.08
56.0	21.50	36.36	25.39	80.02	4.43	.07
57.0	21.31	36.34	25.43	80.04	4.43	.07
58.0	21.12	36.33	25.47	80.09	4.45	.07
59.0	20.94	36.31	25.51	80.14	4.46	.07
60.0	20.81	36.30	25.54	80.15	4.45	.07
61.0	20.70	36.29	25.56	80.15	4.47	.07
62.0	20.65	36.28	25.57	80.14	4.46	.07
63.0	20.59	36.29	25.59	80.18	4.44	.07
64.0	20.54	36.29	25.60	80.13	4.43	.08
65.0	20.50	36.29	25.61	80.17	4.32	.08
66.0	20.46	36.30	25.64	80.19	4.19	.08
67.0	20.34	36.32	25.68	80.17	4.14	.09
68.0	20.28	36.33	25.71	80.15	4.07	.09
69.0	20.23	36.34	25.73	80.17	3.99	.09
70.0	20.16	36.36	25.76	80.20	3.95	.17
71.0	20.13	36.36	25.76	80.23	3.87	.10
72.0	20.09	36.37	25.79	80.25	3.74	.09
73.0	20.00	36.40	25.83	80.26	3.66	.09
74.0	19.98	36.40	25.84	80.30	3.63	.08
75.0	19.94	36.40	25.85	80.27	3.64	.09
76.0	19.91	36.40	25.85	80.24	3.65	.08
77.0	19.89	36.40	25.86	80.33	3.64	.08
78.0	19.88	36.39	25.86	80.37	3.58	.08
79.0	19.88	36.40	25.86	80.38	3.51	.09
80.0	19.83	36.42	25.89	80.39	3.48	.08
81.0	19.76	36.42	25.91	80.42	3.47	.08
82.0	19.72	36.44	25.93	80.41	3.44	.08
83.0	19.70	36.44	25.94	80.48	3.44	.08
84.0	19.68	36.44	25.94	80.46	3.43	.08
85.0	19.65	36.43	25.95	80.49	3.41	.08
86.0	19.60	36.43	25.96	80.45	3.38	.08
87.0	19.54	36.43	25.98	80.49	3.38	.08
88.0	19.51	36.44	25.99	80.52	3.34	.08
89.0	19.53	36.49	26.02	80.60	3.30	.08
90.0	19.51	36.50	26.03	80.58	3.28	.07
91.0	19.48	36.50	26.04	80.61	3.26	.08
92.0	19.46	36.50	26.05	80.60	3.25	.08
93.0	19.42	36.50	26.06	80.60	3.19	.08
94.0	19.33	36.50	26.08	80.62	3.15	.07
95.0	19.18	36.48	26.11	80.58	3.14	.07
96.0	19.10	36.47	26.12	80.44	3.13	.07
97.0	19.06	36.46	26.12	80.37	3.11	.06
98.0	19.02	36.46	26.13	80.32	3.12	.06
99.0	18.94	36.46	26.16	80.34	3.14	.06

STATION 095

OP NUM: 931921645 LAT: 28 50.1 N LON: 88 56.0 W STATION DEPTH: 220 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	28.70	33.56	21.09	76.28	2.72	.14
3.0	28.64	33.57	21.11	77.93	2.68	.10
4.0	28.65	33.80	21.28	78.34	2.97	.07
5.0	28.64	34.03	21.46	78.40	3.18	.11
6.0	28.63	34.17	21.57	78.43	3.14	.07
7.0	28.64	34.21	21.59	78.47	3.14	.07
8.0	28.66	34.22	21.60	78.50	3.09	.08
9.0	28.67	34.25	21.61	78.54	3.13	.08
10.0	28.67	34.26	21.62	78.57	3.00	.07
11.0	28.83	34.17	21.50	78.63	2.99	.07
12.0	29.01	34.12	21.41	78.56	2.90	.09
13.0	29.07	34.48	21.65	78.39	2.85	.07
14.0	29.05	34.96	22.02	79.05	2.87	.06
15.0	28.70	35.67	22.67	79.44	2.94	.06
16.0	28.56	35.90	22.89	79.44	3.36	.06
17.0	28.17	36.20	23.25	79.60	3.67	.70
18.0	28.00	36.10	23.22	79.63	3.82	.08
19.0	27.62	36.20	23.42	79.61	3.89	.05
20.0	27.47	36.13	23.42	79.63	3.98	.06
21.0	27.06	36.24	23.64	79.56	4.03	.06
22.0	26.45	36.24	23.83	79.55	4.08	.07
23.0	25.93	36.23	23.99	79.54	4.11	.07
24.0	25.20	36.20	24.19	79.59	4.20	.07
25.0	24.79	36.19	24.31	79.60	4.31	.07

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
26.0	24.73	36.19	24.32	79.58	4.33	.08
27.0	24.53	36.21	24.40	79.55	4.32	.08
28.0	24.32	36.18	24.44	79.40	4.28	.11
29.0	24.09	36.21	24.53	79.39	4.28	.11
30.0	23.81	36.28	24.67	79.20	4.28	.14
31.0	23.55	36.21	24.70	78.67	4.36	.20
32.0	23.42	36.19	24.71	78.72	4.35	.20
33.0	23.33	36.20	24.75	78.79	4.30	.19
34.0	23.12	36.20	24.81	78.36	4.21	.24
35.0	22.97	36.18	24.84	78.23	4.10	.25
36.0	22.88	36.18	24.86	78.34	4.05	.21
37.0	22.73	36.16	24.89	78.13	4.20	.24
38.0	22.69	36.19	24.93	77.94	4.07	.24
39.0	22.51	36.21	24.99	78.31	4.02	.20
40.0	22.36	36.21	25.04	77.95	3.93	.21
41.0	22.25	36.21	25.07	79.03	3.66	.12
42.0	22.17	36.20	25.08	79.12	3.33	.13
43.0	22.04	36.19	25.11	78.94	3.24	.12
44.0	21.97	36.19	25.13	78.57	3.05	.13
45.0	21.94	36.20	25.15	78.52	3.00	.10
46.0	21.92	36.20	25.16	78.43	2.99	.10
47.0	21.90	36.21	25.17	78.40	3.01	.09
48.0	21.86	36.21	25.18	78.38	3.07	.08
49.0	21.83	36.20	25.18	78.45	3.08	.08

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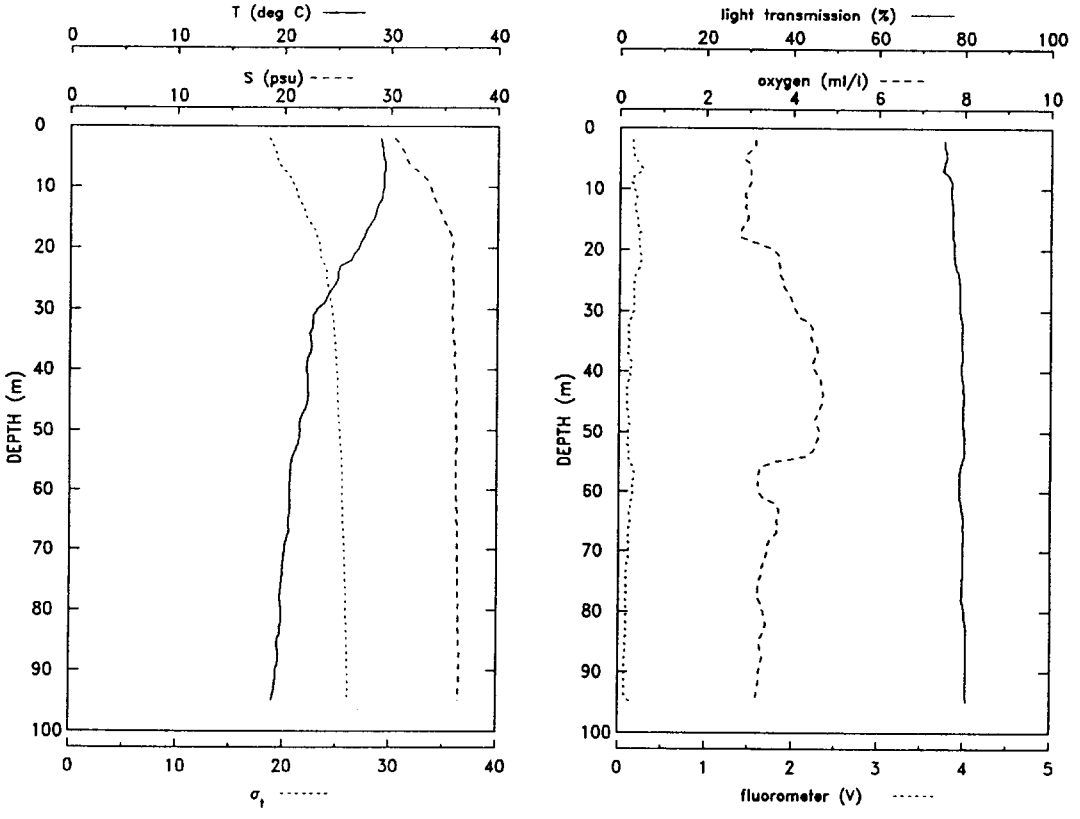
STATION 095: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	21.79	36.20	25.19	78.49	3.12	.07
51.0	21.76	36.21	25.20	78.48	3.12	.07
52.0	21.74	36.21	25.21	78.47	3.08	.07
53.0	21.73	36.22	25.22	78.48	3.10	.07
54.0	21.68	36.23	25.24	78.58	3.17	.06
55.0	21.61	36.24	25.27	78.76	3.20	.06
56.0	21.55	36.24	25.29	78.84	3.42	.06
57.0	21.51	36.24	25.30	78.89	3.46	.05
58.0	21.46	36.24	25.31	79.00	3.62	.05
59.0	21.41	36.25	25.33	78.92	4.12	.05
60.0	21.29	36.26	25.38	79.06	4.22	.05
61.0	21.18	36.25	25.40	79.71	4.28	.05
62.0	21.06	36.27	25.44	80.02	4.37	.05
63.0	20.98	36.28	25.47	80.17	4.45	.04

STATION 096

OP NUM: 931921820 LAT: 28 47.0 N LON: 89 04.0 W STATION DEPTH: 310 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.05	30.33	18.55	75.13	3.13	.15
3.0	29.18	30.78	18.84	75.26	3.13	.15
4.0	29.21	31.15	19.11	75.67	2.97	.16
5.0	29.25	31.45	19.32	75.65	2.86	.16
6.0	29.43	31.61	19.38	75.23	3.00	.23
7.0	29.46	32.20	19.81	74.92	3.03	.27
8.0	29.34	32.89	20.37	76.33	3.02	.16
9.0	29.36	33.37	20.72	76.92	3.03	.14
10.0	29.32	33.69	20.98	76.78	2.96	.16
11.0	29.20	33.93	21.20	76.88	2.89	.19
12.0	29.17	34.10	21.34	76.96	2.94	.19
13.0	28.81	34.40	21.68	77.09	2.89	.17
14.0	28.63	34.61	21.90	77.20	2.97	.19
15.0	28.50	34.78	22.07	77.19	2.96	.21
16.0	28.12	35.10	22.43	77.14	2.87	.21
17.0	27.74	35.47	22.83	77.31	2.80	.24
18.0	27.55	35.64	23.02	77.34	2.79	.22
19.0	27.21	35.84	23.29	77.50	3.19	.23
20.0	27.01	35.77	23.30	77.58	3.56	.23
21.0	26.54	35.78	23.46	77.50	3.68	.25
22.0	26.30	35.66	23.44	77.66	3.68	.24
23.0	25.21	35.83	23.90	78.06	3.71	.23
24.0	25.07	35.85	23.96	78.65	3.70	.19
25.0	25.05	35.83	23.96	78.80	3.79	.17

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
26.0	24.78	35.89	24.09	78.88	3.80	.17
27.0	24.36	35.87	24.20	78.96	3.90	.17
28.0	24.04	35.87	24.29	78.98	3.97	.17
29.0	23.72	35.85	24.37	78.94	4.02	.17
30.0	23.10	35.80	24.51	78.97	4.09	.17
31.0	22.75	35.77	24.59	79.23	4.16	.14
32.0	22.70	35.81	24.63	79.45	4.40	.11
33.0	22.66	35.87	24.69	79.54	4.47	.11
34.0	22.45	35.84	24.73	79.54	4.44	.11
35.0	22.52	35.95	24.79	79.49	4.46	.12
36.0	22.58	36.00	24.81	79.51	4.57	.12
37.0	22.55	36.05	24.86	79.66	4.59	.10
38.0	22.28	36.01	24.91	79.63	4.51	.13
39.0	22.19	36.02	24.94	79.40	4.47	.15
40.0	22.15	36.05	24.98	79.32	4.54	.12
41.0	22.23	36.17	25.04	79.49	4.65	.14
42.0	22.26	36.20	25.06	79.77	4.68	.10
43.0	22.28	36.20	25.06	79.78	4.70	.09
44.0	22.30	36.22	25.06	79.88	4.71	.09
45.0	22.28	36.23	25.07	79.92	4.71	.09
46.0	22.16	36.22	25.10	79.83	4.65	.10
47.0	21.82	36.17	25.16	79.86	4.59	.10
48.0	21.62	36.17	25.21	79.74	4.53	.12
49.0	21.50	36.17	25.25	79.87	4.58	.13

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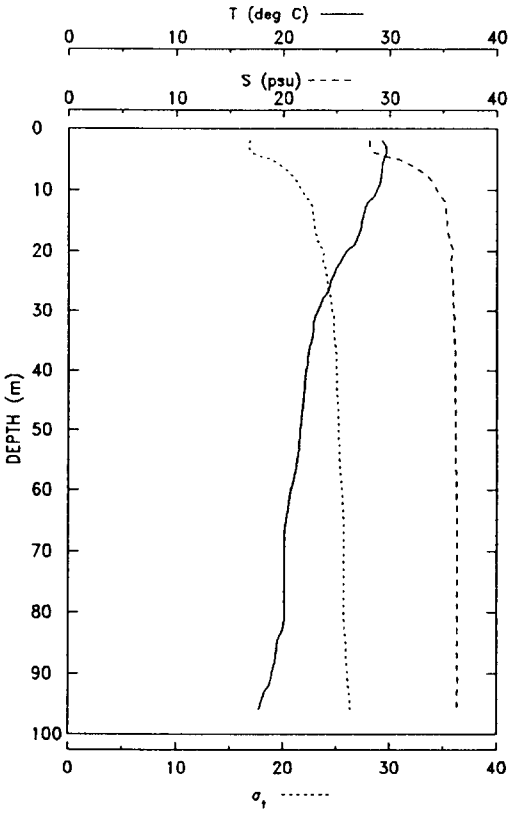
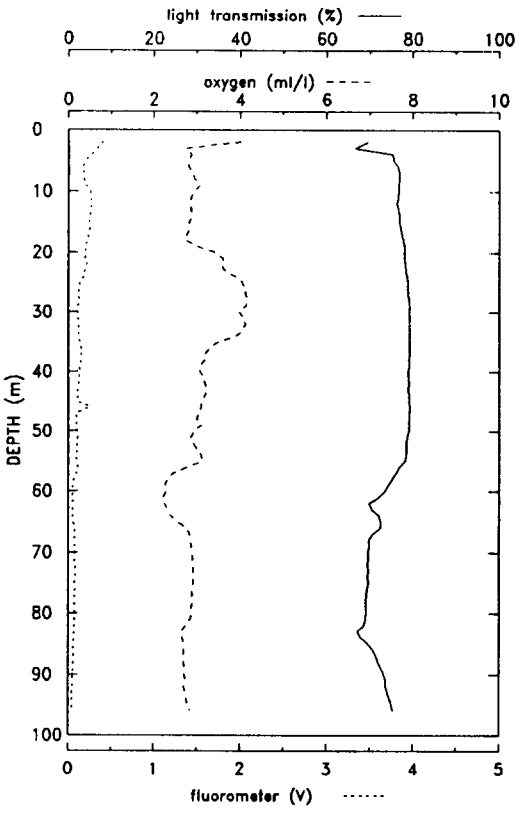
STATION 096: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	21.52	36.20	25.26	79.99	4.64	.10
51.0	21.50	36.22	25.29	80.07	4.60	.10
52.0	21.39	36.23	25.32	80.05	4.54	.10
53.0	21.18	36.22	25.38	80.10	4.49	.13
54.0	20.97	36.21	25.43	80.06	4.37	.10
55.0	20.78	36.21	25.47	79.71	3.61	.13
56.0	20.69	36.20	25.50	79.15	3.25	.17
57.0	20.67	36.20	25.50	79.09	3.22	.18
58.0	20.65	36.20	25.51	79.12	3.21	.17
59.0	20.61	36.21	25.52	79.07	3.22	.16
60.0	20.59	36.21	25.53	79.06	3.24	.16
61.0	20.60	36.22	25.53	79.08	3.33	.16
62.0	20.62	36.24	25.54	79.33	3.60	.14
63.0	20.60	36.26	25.56	79.52	3.69	.13
64.0	20.56	36.28	25.59	79.83	3.69	.12
65.0	20.46	36.26	25.60	79.92	3.65	.13
66.0	20.48	36.28	25.61	79.85	3.67	.12
67.0	20.55	36.33	25.63	79.97	3.65	.11
68.0	20.35	36.32	25.68	80.01	3.50	.11
69.0	20.18	36.30	25.71	79.87	3.43	.12
70.0	20.09	36.30	25.73	79.80	3.42	.11
71.0	20.04	36.31	25.75	79.76	3.39	.11
72.0	19.99	36.33	25.78	79.79	3.33	.10
73.0	19.94	36.34	25.80	79.82	3.30	.09
74.0	19.91	36.35	25.81	79.82	3.29	.09
75.0	19.87	36.35	25.83	79.71	3.24	.09
76.0	19.82	36.35	25.84	79.67	3.21	.09
77.0	19.74	36.36	25.87	79.64	3.21	.09
78.0	19.69	36.36	25.89	79.58	3.23	.09
79.0	19.78	36.41	25.89	79.74	3.30	.09
80.0	19.83	36.43	25.90	80.05	3.34	.09
81.0	19.84	36.44	25.91	80.14	3.37	.09
82.0	19.78	36.45	25.93	80.39	3.40	.09
83.0	19.67	36.44	25.95	80.49	3.38	.09
84.0	19.67	36.50	25.99	80.48	3.30	.09
85.0	19.47	36.47	26.02	80.54	3.25	.08
86.0	19.44	36.47	26.03	80.57	3.26	.09
87.0	19.57	36.53	26.05	80.59	3.32	.08
88.0	19.57	36.55	26.06	80.58	3.31	.07
89.0	19.51	36.54	26.06	80.56	3.27	.08
90.0	19.34	36.52	26.10	80.54	3.25	.08
91.0	19.32	36.52	26.10	80.57	3.25	.07
92.0	19.29	36.52	26.11	80.56	3.23	.08
93.0	19.20	36.51	26.13	80.58	3.22	.08
94.0	19.11	36.50	26.14	80.61	3.19	.08
95.0	18.99	36.49	26.16	80.65	3.13	.15

STATION 097

OP NUM: 931921930 LAT: 28 45.9 N LON: 89 12.0 W STATION DEPTH: 190 m





depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.30	28.11	16.81	69.60	4.03	.41
3.0	29.64	28.11	16.70	66.65	2.75	.34
4.0	29.67	28.48	16.96	75.32	2.87	.28
5.0	29.42	30.81	18.78	75.51	2.82	.20
6.0	29.30	32.04	19.74	76.49	2.80	.17
7.0	29.23	32.85	20.38	76.84	2.90	.18
8.0	29.17	33.62	20.97	76.86	2.94	.18
9.0	29.05	34.14	21.40	76.74	3.07	.20
10.0	28.81	34.37	21.66	76.69	2.93	.26
11.0	28.49	34.71	22.02	76.52	2.86	.26
12.0	27.91	35.18	22.56	76.27	2.86	.27
13.0	27.68	35.26	22.70	76.61	2.86	.26
14.0	27.53	35.31	22.78	76.82	2.88	.25
15.0	27.40	35.33	22.84	76.90	2.81	.25
16.0	27.30	35.37	22.90	77.16	2.80	.25
17.0	27.11	35.47	23.04	77.45	2.78	.23
18.0	26.92	35.54	23.16	77.74	2.72	.22
19.0	26.67	35.71	23.36	78.09	2.97	.20
20.0	25.92	36.01	23.82	78.07	3.39	.20
21.0	25.61	35.74	23.72	78.07	3.61	.20
22.0	25.30	35.68	23.76	78.14	3.57	.22
23.0	24.94	35.85	24.00	78.25	3.64	.19
24.0	24.77	35.86	24.06	78.61	3.88	.18
25.0	24.48	35.88	24.16	78.80	4.05	.14

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
26.0	24.34	35.88	24.21	78.82	4.12	.13
27.0	24.15	35.96	24.32	78.93	4.13	.12
28.0	23.66	35.97	24.48	79.06	4.16	.13
29.0	23.49	35.98	24.53	79.17	4.14	.11
30.0	23.29	35.99	24.60	79.18	3.97	.11
31.0	22.97	36.07	24.76	79.17	4.09	.11
32.0	22.83	36.02	24.76	79.23	4.13	.12
33.0	22.83	36.02	24.76	79.25	4.07	.12
34.0	22.78	36.04	24.79	79.25	3.92	.12
35.0	22.68	36.07	24.84	79.14	3.50	.13
36.0	22.49	36.12	24.93	79.15	3.29	.15
37.0	22.39	36.12	24.96	79.15	3.18	.15
38.0	22.33	36.13	24.98	79.09	3.18	.14
39.0	22.29	36.13	24.99	79.00	3.08	.14
40.0	22.15	36.13	25.04	78.97	3.07	.14
41.0	22.05	36.13	25.07	78.95	3.17	.13
42.0	22.02	36.13	25.07	79.02	3.19	.12
43.0	22.00	36.13	25.08	78.94	3.22	.11
44.0	21.98	36.13	25.08	79.01	3.19	.11
45.0	21.89	36.14	25.11	79.09	3.10	.10
46.0	21.82	36.16	25.15	79.15	3.10	.25
47.0	21.77	36.17	25.17	79.17	3.04	.09
48.0	21.71	36.17	25.19	79.06	3.00	.10
49.0	21.66	36.17	25.21	79.07	3.12	.10

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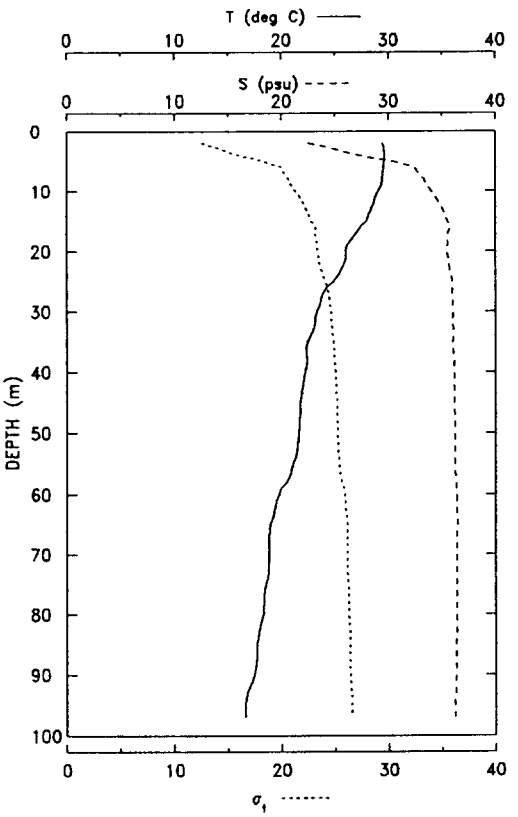
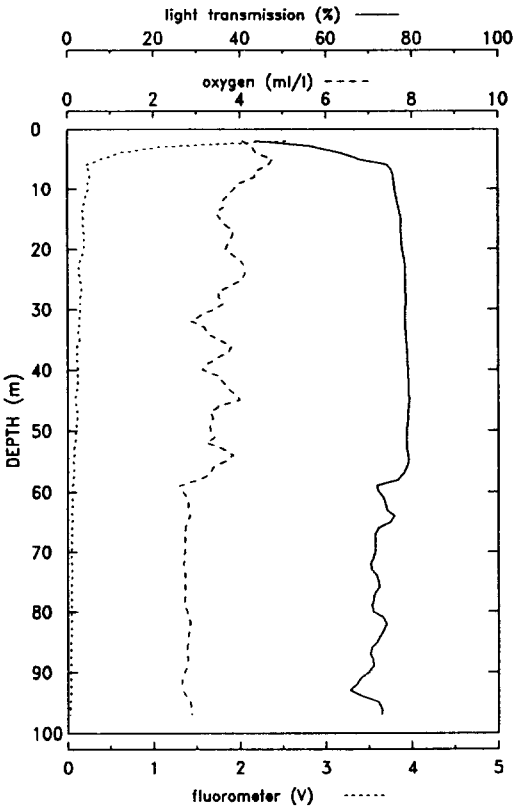
STATION 097: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	21.62	36.19	25.23	79.08	2.94	.10
51.0	21.57	36.19	25.24	78.58	2.86	.11
52.0	21.51	36.19	25.26	78.40	2.91	.10
53.0	21.45	36.19	25.28	78.44	2.99	.09
54.0	21.39	36.19	25.29	78.50	3.10	.10
55.0	21.31	36.19	25.32	78.23	3.13	.10
56.0	21.22	36.20	25.35	76.78	2.76	.11
57.0	21.10	36.22	25.39	76.15	2.46	.10
58.0	20.99	36.23	25.44	75.12	2.32	.07
59.0	20.88	36.25	25.48	74.24	2.27	.06
60.0	20.69	36.27	25.55	73.54	2.28	.06
61.0	20.57	36.27	25.58	72.08	2.21	.05
62.0	20.50	36.28	25.60	69.90	2.24	.05
63.0	20.46	36.28	25.62	70.44	2.32	.06
64.0	20.36	36.29	25.65	72.08	2.38	.05
65.0	20.26	36.30	25.69	72.46	2.53	.06
66.0	20.19	36.31	25.71	72.53	2.74	.07
67.0	20.14	36.31	25.73	70.76	2.83	.08
68.0	20.13	36.31	25.73	69.80	2.84	.07
69.0	20.12	36.31	25.73	69.83	2.87	.07
70.0	20.12	36.31	25.73	69.66	2.89	.07
71.0	20.12	36.31	25.73	69.66	2.90	.08
72.0	20.12	36.31	25.73	69.59	2.91	.08
73.0	20.12	36.31	25.73	69.64	2.91	.08
74.0	20.12	36.31	25.73	69.60	2.91	.08
75.0	20.12	36.31	25.73	69.63	2.91	.08
76.0	20.12	36.31	25.73	69.37	2.90	.08
77.0	20.11	36.31	25.73	69.27	2.89	.08
78.0	20.11	36.31	25.73	69.06	2.89	.08
79.0	20.11	36.31	25.73	69.12	2.88	.08
80.0	20.11	36.31	25.73	69.08	2.88	.07
81.0	20.11	36.31	25.73	68.97	2.85	.08
82.0	20.07	36.31	25.74	68.63	2.74	.08
83.0	19.94	36.32	25.78	67.20	2.64	.07
84.0	19.63	36.33	25.87	67.91	2.66	.07
85.0	19.48	36.33	25.91	69.51	2.69	.06
86.0	19.42	36.33	25.93	70.71	2.70	.06
87.0	19.36	36.33	25.94	71.45	2.70	.06
88.0	19.28	36.33	25.96	71.89	2.69	.06
89.0	19.10	36.33	26.02	72.67	2.71	.06
90.0	18.97	36.34	26.05	73.28	2.72	.05
91.0	18.83	36.34	26.09	73.67	2.72	.05
92.0	18.66	36.34	26.13	73.76	2.70	.05
93.0	18.28	36.34	26.23	74.22	2.74	.05
94.0	18.10	36.33	26.26	74.58	2.76	.04
95.0	17.92	36.31	26.29	75.08	2.78	.04
96.0	17.72	36.30	26.34	75.40	2.85	.04

STATION 098

OP NUM: 931922030 LAT: 28 44.8 N LON: 89 17.9 W STATION DEPTH: 128 m





depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.49	22.51	12.56	43.56	4.07	2.54
3.0	29.60	25.01	14.39	57.32	4.29	1.10
4.0	29.64	26.92	15.80	63.44	4.39	.61
5.0	29.56	30.26	18.32	67.38	4.76	.40
6.0	29.49	32.45	19.99	74.29	4.67	.22
7.0	29.45	32.78	20.25	75.38	4.37	.26
8.0	29.41	33.32	20.67	75.57	4.34	.26
9.0	29.31	33.55	20.87	75.79	4.01	.23
10.0	29.01	33.98	21.30	75.95	3.88	.25
11.0	28.77	34.40	21.69	76.30	3.74	.22
12.0	28.61	34.72	21.99	76.51	3.62	.20
13.0	28.37	35.07	22.33	76.76	3.64	.18
14.0	28.18	35.29	22.56	77.14	3.46	.18
15.0	27.97	35.47	22.76	77.36	3.54	.18
16.0	27.36	35.84	23.24	77.39	3.66	.18
17.0	27.02	35.57	23.14	77.43	3.84	.19
18.0	26.62	35.51	23.23	77.51	3.82	.19
19.0	26.12	35.52	23.39	77.63	3.73	.19
20.0	26.02	35.42	23.34	77.77	3.68	.19
21.0	25.98	35.57	23.47	78.08	3.84	.18
22.0	25.87	35.61	23.54	78.32	4.01	.15
23.0	25.60	35.70	23.69	78.49	4.11	.13
24.0	25.29	35.86	23.91	78.49	4.12	.14
25.0	24.89	35.94	24.08	78.52	4.07	.14

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
26.0	24.21	35.92	24.27	78.50	3.82	.16
27.0	23.89	35.96	24.41	78.49	3.52	.17
28.0	23.70	35.98	24.47	78.63	3.51	.15
29.0	23.54	35.98	24.52	78.64	3.62	.15
30.0	23.33	36.03	24.62	78.52	3.43	.15
31.0	23.15	36.01	24.66	78.47	3.08	.14
32.0	23.12	36.01	24.66	78.46	2.87	.14
33.0	22.94	36.04	24.74	78.49	3.18	.14
34.0	22.74	36.05	24.80	78.63	3.23	.12
35.0	22.44	36.03	24.88	78.65	3.51	.14
36.0	22.32	36.02	24.91	78.78	3.80	.11
37.0	22.30	36.05	24.93	78.92	3.74	.11
38.0	22.34	36.10	24.96	78.89	3.48	.11
39.0	22.29	36.12	24.98	78.93	3.25	.11
40.0	22.17	36.12	25.02	79.00	3.13	.12
41.0	22.05	36.13	25.06	79.07	3.52	.12
42.0	21.99	36.14	25.09	79.17	3.60	.12
43.0	21.89	36.15	25.12	79.18	3.72	.11
44.0	21.83	36.15	25.14	79.20	3.89	.10
45.0	21.74	36.14	25.16	79.32	4.00	.09
46.0	21.74	36.16	25.17	79.21	3.50	.10
47.0	21.72	36.16	25.18	79.13	3.33	.11
48.0	21.68	36.16	25.19	78.99	3.37	.11
49.0	21.63	36.17	25.21	78.95	3.30	.10

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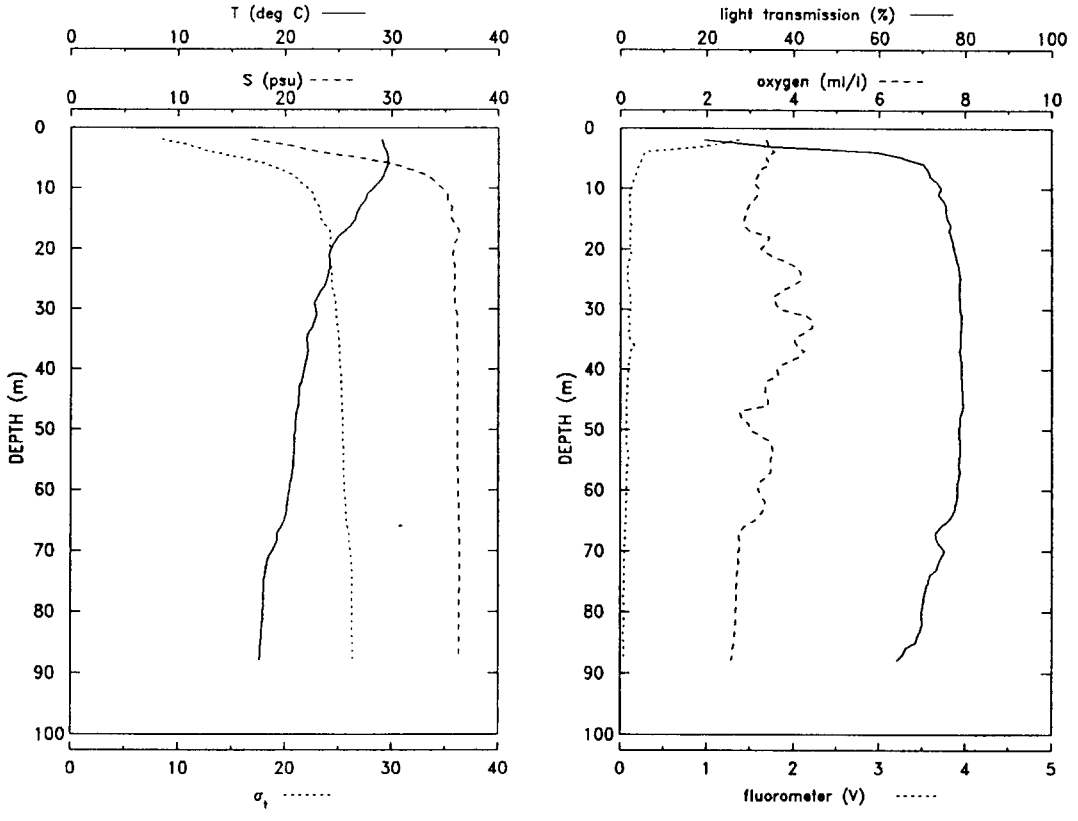
STATION 098: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	21.59	36.18	25.23	78.76	3.31	.10
51.0	21.51	36.18	25.25	78.80	3.42	.10
52.0	21.46	36.19	25.27	78.78	3.23	.09
53.0	21.39	36.19	25.30	78.79	3.61	.08
54.0	21.31	36.20	25.32	79.07	3.84	.08
55.0	21.05	36.20	25.40	79.18	3.67	.07
56.0	20.89	36.20	25.44	78.72	3.37	.08
57.0	20.76	36.23	25.50	78.09	3.31	.08
58.0	20.48	36.29	25.62	76.81	3.04	.07
59.0	19.93	36.33	25.80	71.80	2.59	.06
60.0	19.73	36.35	25.87	72.26	2.68	.06
61.0	19.53	36.36	25.93	73.39	2.79	.06
62.0	19.42	36.36	25.95	73.82	2.80	.06
63.0	19.26	36.39	26.02	74.09	2.81	.06
64.0	19.14	36.42	26.07	75.88	2.85	.05
65.0	18.90	36.40	26.12	75.11	2.77	.06
66.0	18.84	36.39	26.13	72.25	2.73	.05
67.0	18.82	36.39	26.13	71.52	2.73	.05
68.0	18.81	36.39	26.13	71.48	2.73	.05
69.0	18.81	36.38	26.13	71.53	2.73	.05
70.0	18.81	36.38	26.13	71.51	2.72	.05
71.0	18.79	36.38	26.13	70.96	2.71	.05
72.0	18.76	36.38	26.14	70.48	2.70	.05
73.0	18.73	36.38	26.15	70.52	2.72	.05
74.0	18.68	36.39	26.16	71.73	2.72	.05
75.0	18.52	36.39	26.21	72.14	2.73	.05
76.0	18.39	36.37	26.23	72.36	2.72	.05
77.0	18.33	36.37	26.24	71.38	2.72	.05
78.0	18.31	36.36	26.24	70.95	2.72	.05
79.0	18.29	36.36	26.24	70.77	2.71	.05
80.0	18.24	36.37	26.26	70.86	2.77	.05
81.0	18.10	36.37	26.30	73.29	2.82	.05
82.0	17.96	36.36	26.33	74.06	2.84	.05
83.0	17.87	36.35	26.34	73.35	2.82	.04
84.0	17.76	36.34	26.36	72.62	2.80	.04
85.0	17.68	36.32	26.37	71.94	2.78	.04
86.0	17.65	36.32	26.37	70.59	2.78	.04
87.0	17.64	36.32	26.37	70.21	2.78	.04
88.0	17.59	36.31	26.38	70.94	2.78	.04
89.0	17.55	36.31	26.38	71.03	2.76	.04
90.0	17.45	36.30	26.40	70.02	2.72	.04
91.0	17.23	36.28	26.44	68.09	2.66	.04
92.0	17.02	36.26	26.48	67.09	2.65	.04
93.0	16.77	36.23	26.52	65.60	2.67	.04
94.0	16.65	36.22	26.53	68.51	2.77	.04
95.0	16.62	36.21	26.53	72.27	2.85	.03
96.0	16.62	36.20	26.53	72.91	2.87	.03
97.0	16.60	36.20	26.53	72.94	2.87	.03

STATION 099

OP NUM: 931922140 LAT: 28 46.0 N LON: 89 24.9 W STATION DEPTH: 96 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.11	16.86	8.47	19.48	3.38	1.37
3.0	29.22	20.55	11.18	33.17	3.42	1.00
4.0	29.54	23.12	13.00	59.37	3.56	.28
5.0	29.65	26.86	15.75	65.70	3.36	.25
6.0	29.64	30.02	18.12	70.33	3.46	.22
7.0	29.42	31.94	19.63	71.30	3.22	.20
8.0	29.21	33.46	20.84	71.74	3.17	.17
9.0	28.80	34.05	21.42	73.42	3.07	.14
10.0	28.24	34.68	22.08	74.32	3.19	.13
11.0	27.69	35.23	22.67	73.77	3.17	.11
12.0	27.48	35.25	22.75	74.82	3.08	.10
13.0	27.01	35.63	23.19	75.56	2.94	.11
14.0	26.73	35.60	23.26	75.42	2.92	.11
15.0	26.61	35.60	23.30	75.78	2.86	.11
16.0	26.16	35.97	23.71	76.54	2.86	.13
17.0	25.60	36.33	24.16	76.26	2.97	.12
18.0	24.95	36.21	24.27	76.68	3.44	.11
19.0	24.59	35.88	24.13	77.08	3.38	.11
20.0	24.27	35.78	24.15	77.28	3.24	.12
21.0	24.08	35.68	24.14	77.72	3.45	.12
22.0	24.17	35.83	24.22	78.00	3.79	.10
23.0	24.14	35.91	24.29	78.49	4.09	.08
24.0	24.06	35.91	24.31	78.60	4.16	.09
25.0	23.94	35.89	24.34	78.72	4.20	.08
26.0	23.77	35.87	24.37	78.66	4.00	.09
27.0	23.34	35.84	24.47	78.66	3.73	.10
28.0	23.02	35.91	24.62	78.61	3.54	.12
29.0	22.70	35.90	24.70	78.75	3.59	.12
30.0	22.87	36.00	24.73	78.82	3.66	.12
31.0	22.90	36.11	24.81	78.99	4.29	.09
32.0	22.73	36.13	24.87	79.06	4.44	.10
33.0	22.55	36.11	24.90	79.00	4.44	.11
34.0	22.13	36.07	24.99	78.95	4.25	.09
35.0	21.99	36.06	25.03	78.98	4.02	.12
36.0	22.09	36.13	25.05	78.90	4.07	.16
37.0	22.13	36.19	25.09	78.67	4.26	.12
38.0	22.01	36.18	25.11	78.97	4.11	.11
39.0	21.88	36.17	25.14	79.02	3.81	.10
40.0	21.76	36.16	25.17	79.05	3.62	.09
41.0	21.63	36.17	25.21	79.13	3.64	.09
42.0	21.52	36.17	25.24	79.22	3.39	.08
43.0	21.32	36.17	25.30	79.27	3.35	.08
44.0	21.27	36.17	25.31	79.37	3.35	.08
45.0	21.25	36.17	25.32	79.40	3.40	.07
46.0	21.24	36.19	25.33	79.45	3.42	.08
47.0	21.05	36.16	25.37	79.19	2.76	.07
48.0	21.00	36.17	25.38	78.72	2.80	.07
49.0	20.94	36.17	25.40	78.70	2.96	.07

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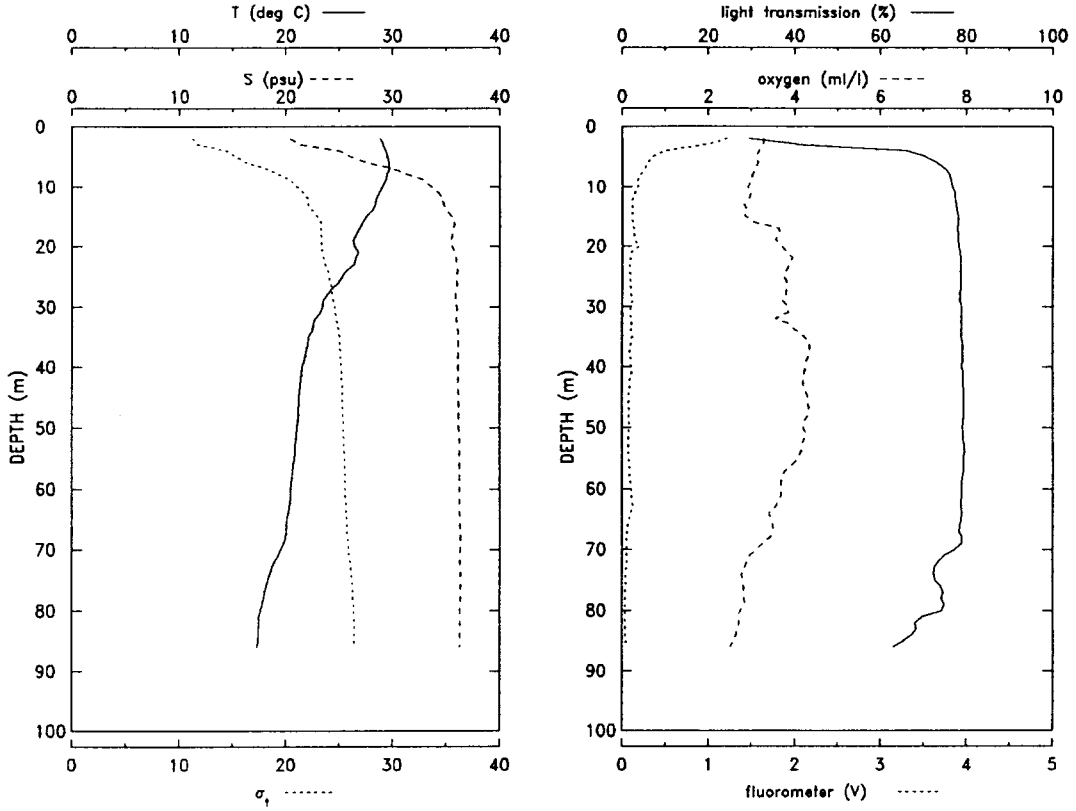
STATION 099: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	20.92	36.17	25.41	78.56	2.98	.07
51.0	20.90	36.19	25.42	78.54	3.22	.07
52.0	20.89	36.20	25.44	78.73	3.48	.07
53.0	20.88	36.20	25.44	78.75	3.52	.08
54.0	20.82	36.21	25.46	78.70	3.53	.09
55.0	20.77	36.21	25.48	78.63	3.47	.10
56.0	20.75	36.21	25.49	78.52	3.48	.08
57.0	20.72	36.22	25.50	78.71	3.48	.08
58.0	20.58	36.23	25.55	78.39	3.34	.08
59.0	20.45	36.23	25.58	78.18	3.18	.07
60.0	20.39	36.24	25.60	78.20	3.19	.08
61.0	20.31	36.26	25.65	78.14	3.29	.08
62.0	20.24	36.28	25.68	77.82	3.35	.07
63.0	20.19	36.28	25.69	77.52	3.33	.06
64.0	20.12	36.29	25.71	77.05	3.24	.06
65.0	19.94	36.29	25.76	76.06	3.10	.07
66.0	19.61	36.31	25.86	74.26	2.86	.06
67.0	19.27	36.36	25.99	73.05	2.74	.06
68.0	19.25	36.36	26.00	73.20	2.74	.06
69.0	19.10	36.37	26.04	73.97	2.77	.05
70.0	18.83	36.38	26.12	75.19	2.74	.05
71.0	18.42	36.36	26.21	74.45	2.69	.05
72.0	18.25	36.37	26.26	73.71	2.74	.04
73.0	18.20	36.36	26.26	73.33	2.71	.04
74.0	18.07	36.35	26.29	71.82	2.69	.04
75.0	18.04	36.34	26.29	71.44	2.69	.04
76.0	18.01	36.34	26.30	70.94	2.68	.04
77.0	17.97	36.33	26.30	70.59	2.68	.04
78.0	17.95	36.33	26.30	70.27	2.68	.04
79.0	17.94	36.33	26.31	70.06	2.67	.04
80.0	17.93	36.33	26.31	69.84	2.67	.04
81.0	17.91	36.33	26.31	69.84	2.67	.05
82.0	17.87	36.32	26.32	69.97	2.66	.05
83.0	17.79	36.31	26.33	69.51	2.65	.04
84.0	17.77	36.31	26.33	68.88	2.65	.04
85.0	17.75	36.30	26.34	68.56	2.63	.04
86.0	17.68	36.30	26.35	66.06	2.60	.04
87.0	17.67	36.30	26.35	65.49	2.59	.04
88.0	17.63	36.29	26.36	64.23	2.56	.05

STATION 100

OP NUM: 931922240 LAT: 28 47.0 N LON: 89 29.9 W STATION DEPTH: 89 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	28.85	20.43	11.22	29.42	3.29	1.22
3.0	29.07	21.21	11.73	40.65	3.28	.99
4.0	29.37	24.93	14.41	65.97	3.17	.51
5.0	29.51	26.07	15.21	70.41	3.12	.35
6.0	29.66	27.65	16.34	73.06	3.16	.30
7.0	29.68	30.05	18.13	75.03	3.08	.26
8.0	29.44	31.62	19.39	76.13	3.02	.21
9.0	29.32	33.04	20.49	76.42	2.99	.18
10.0	29.07	33.63	21.01	76.72	2.91	.18
11.0	28.75	34.26	21.59	77.20	2.98	.15
12.0	28.44	34.69	22.02	77.34	2.94	.13
13.0	28.39	34.76	22.09	77.57	2.83	.12
14.0	28.09	35.09	22.44	77.76	2.89	.12
15.0	27.57	35.52	22.92	77.97	2.84	.12
16.0	27.22	35.80	23.25	77.96	3.05	.13
17.0	26.92	35.70	23.27	77.94	3.64	.14
18.0	26.58	35.57	23.28	78.00	3.64	.14
19.0	26.28	35.49	23.32	78.04	3.56	.15
20.0	26.40	35.51	23.30	78.23	3.69	.20
21.0	26.76	35.81	23.40	78.39	3.82	.11
22.0	26.56	35.92	23.56	78.58	3.94	.10
23.0	26.40	36.00	23.66	78.63	3.88	.09
24.0	25.73	36.06	23.92	78.67	3.82	.09
25.0	25.30	36.02	24.02	78.59	3.76	.10

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
26.0	24.92	36.02	24.14	78.67	3.81	.09
27.0	24.34	35.99	24.30	78.59	3.81	.10
28.0	23.88	35.88	24.34	78.50	3.80	.11
29.0	23.48	35.86	24.45	78.45	3.72	.12
30.0	23.42	36.03	24.60	78.71	3.84	.10
31.0	23.20	36.00	24.64	78.82	3.85	.09
32.0	22.72	35.97	24.75	78.78	3.55	.11
33.0	22.57	36.04	24.85	78.70	3.88	.11
34.0	22.47	36.10	24.92	78.75	4.01	.10
35.0	22.16	36.12	25.03	78.83	4.21	.12
36.0	22.05	36.11	25.05	79.13	4.34	.10
37.0	21.96	36.11	25.07	79.12	4.35	.09
38.0	21.86	36.11	25.10	79.09	4.34	.09
39.0	21.73	36.12	25.14	79.05	4.28	.11
40.0	21.55	36.12	25.20	78.86	4.24	.10
41.0	21.45	36.12	25.23	79.15	4.23	.11
42.0	21.40	36.14	25.26	79.18	4.19	.09
43.0	21.33	36.15	25.28	79.25	4.20	.09
44.0	21.30	36.15	25.29	79.33	4.25	.09
45.0	21.25	36.17	25.31	79.31	4.30	.09
46.0	21.23	36.16	25.32	79.33	4.31	.08
47.0	21.19	36.18	25.34	79.40	4.33	.08
48.0	21.17	36.20	25.37	79.33	4.31	.08
49.0	21.13	36.21	25.38	79.22	4.23	.09

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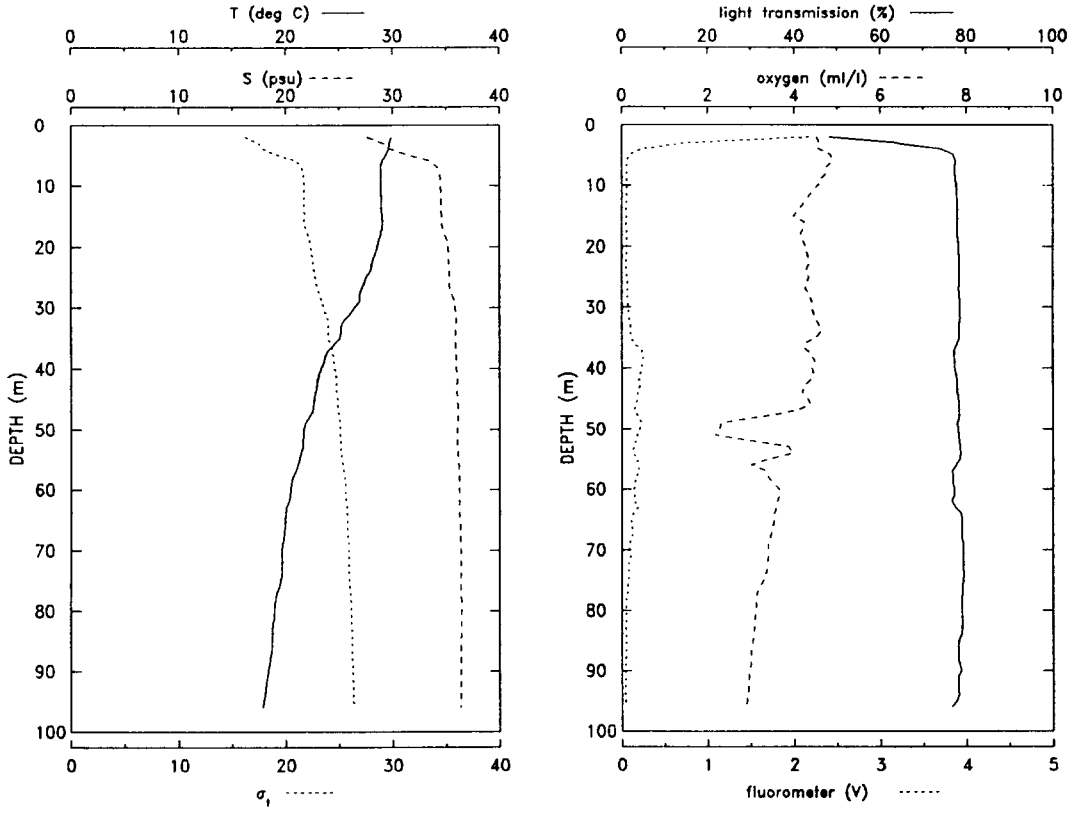
STATION 100: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	21.05	36.21	25.41	79.11	4.20	.08
51.0	21.02	36.23	25.43	79.14	4.27	.08
52.0	20.97	36.25	25.45	79.27	4.22	.07
53.0	20.90	36.25	25.47	79.45	4.17	.07
54.0	20.86	36.25	25.49	79.45	4.15	.07
55.0	20.82	36.26	25.51	79.41	4.08	.08
56.0	20.73	36.27	25.54	79.40	3.97	.09
57.0	20.65	36.26	25.55	79.34	3.80	.09
58.0	20.57	36.26	25.57	79.13	3.70	.09
59.0	20.52	36.25	25.58	78.98	3.69	.10
60.0	20.50	36.26	25.59	78.93	3.69	.11
61.0	20.44	36.27	25.61	78.85	3.69	.11
62.0	20.40	36.26	25.62	78.74	3.65	.12
63.0	20.32	36.25	25.63	78.77	3.55	.13
64.0	20.23	36.26	25.67	78.87	3.40	.10
65.0	20.12	36.30	25.73	78.81	3.45	.09
66.0	20.08	36.32	25.75	78.44	3.49	.07
67.0	20.06	36.35	25.78	78.31	3.50	.06
68.0	19.96	36.36	25.81	78.91	3.43	.05
69.0	19.83	36.36	25.85	78.92	3.27	.05
70.0	19.54	36.34	25.91	77.30	3.10	.05
71.0	19.25	36.32	25.97	74.68	2.96	.05
72.0	18.94	36.33	26.05	73.35	2.89	.05
73.0	18.65	36.33	26.13	72.58	2.85	.05
74.0	18.51	36.34	26.17	72.30	2.78	.04
75.0	18.34	36.36	26.23	72.65	2.79	.05
76.0	18.14	36.36	26.28	74.02	2.82	.04
77.0	18.02	36.35	26.30	74.64	2.82	.04
78.0	17.92	36.34	26.32	74.17	2.83	.04
79.0	17.81	36.34	26.35	74.86	2.85	.04
80.0	17.64	36.32	26.38	74.36	2.73	.04
81.0	17.50	36.30	26.39	69.71	2.70	.04
82.0	17.48	36.30	26.40	68.08	2.71	.04
83.0	17.44	36.29	26.40	68.27	2.68	.04
84.0	17.41	36.29	26.40	67.34	2.63	.04
85.0	17.38	36.28	26.41	65.32	2.60	.05
86.0	17.31	36.27	26.42	63.03	2.50	.04

STATION 101

OP NUM: 931922345 LAT: 28 39.9 N LON: 89 29.9 W STATION DEPTH: 118 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.85	27.58	16.23	48.29	4.53	2.18
3.0	29.71	29.18	17.47	63.87	4.60	.73
4.0	29.62	29.77	17.94	74.05	4.56	.24
5.0	29.31	31.47	19.32	76.95	4.86	.09
6.0	29.00	33.61	21.02	77.42	4.89	.06
7.0	28.87	34.17	21.49	77.25	4.75	.06
8.0	28.84	34.38	21.65	77.31	4.74	.06
9.0	28.85	34.45	21.70	77.42	4.62	.06
10.0	28.86	34.47	21.71	77.50	4.56	.06
11.0	28.88	34.49	21.73	77.67	4.42	.06
12.0	28.90	34.51	21.73	77.76	4.32	.06
13.0	28.93	34.52	21.73	77.81	4.21	.05
14.0	28.94	34.55	21.74	77.83	4.11	.05
15.0	28.97	34.56	21.75	77.83	3.98	.06
16.0	29.03	34.54	21.71	77.88	4.24	.05
17.0	28.98	34.70	21.85	77.89	4.21	.06
18.0	28.84	34.91	22.05	77.94	4.16	.06
19.0	28.67	35.11	22.26	78.00	4.21	.06
20.0	28.57	35.16	22.33	78.11	4.26	.06
21.0	28.37	35.23	22.44	78.24	4.30	.06
22.0	28.16	35.21	22.50	78.27	4.33	.06
23.0	28.05	35.25	22.57	78.30	4.33	.05
24.0	27.94	35.32	22.66	78.36	4.28	.06
25.0	27.52	35.27	22.75	78.29	4.33	.06

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
26.0	27.34	35.29	22.83	78.26	4.32	.06
27.0	27.01	35.33	22.96	78.19	4.26	.07
28.0	26.91	35.57	23.18	78.28	4.36	.07
29.0	26.92	35.87	23.40	78.52	4.41	.07
30.0	26.45	35.84	23.53	78.50	4.41	.08
31.0	26.01	35.91	23.72	78.43	4.45	.08
32.0	25.50	35.94	23.90	78.43	4.50	.09
33.0	25.18	35.92	23.98	78.36	4.58	.10
34.0	25.14	35.91	23.99	78.33	4.62	.10
35.0	25.03	35.91	24.02	78.28	4.53	.11
36.0	24.49	35.90	24.18	77.82	4.25	.15
37.0	23.96	35.91	24.35	77.16	4.27	.23
38.0	23.70	35.94	24.45	77.19	4.43	.25
39.0	23.56	35.95	24.50	77.29	4.49	.24
40.0	23.33	35.97	24.58	77.32	4.41	.24
41.0	23.08	36.04	24.70	77.63	4.45	.22
42.0	22.97	36.04	24.73	77.86	4.37	.20
43.0	22.88	36.02	24.75	77.90	4.26	.21
44.0	22.78	36.02	24.78	77.93	4.18	.19
45.0	22.68	36.07	24.84	78.14	4.32	.18
46.0	22.63	36.11	24.88	78.25	4.38	.16
47.0	22.54	36.12	24.92	78.32	4.07	.15
48.0	22.18	36.14	25.03	78.25	3.31	.19
49.0	21.84	36.09	25.10	77.93	2.31	.23

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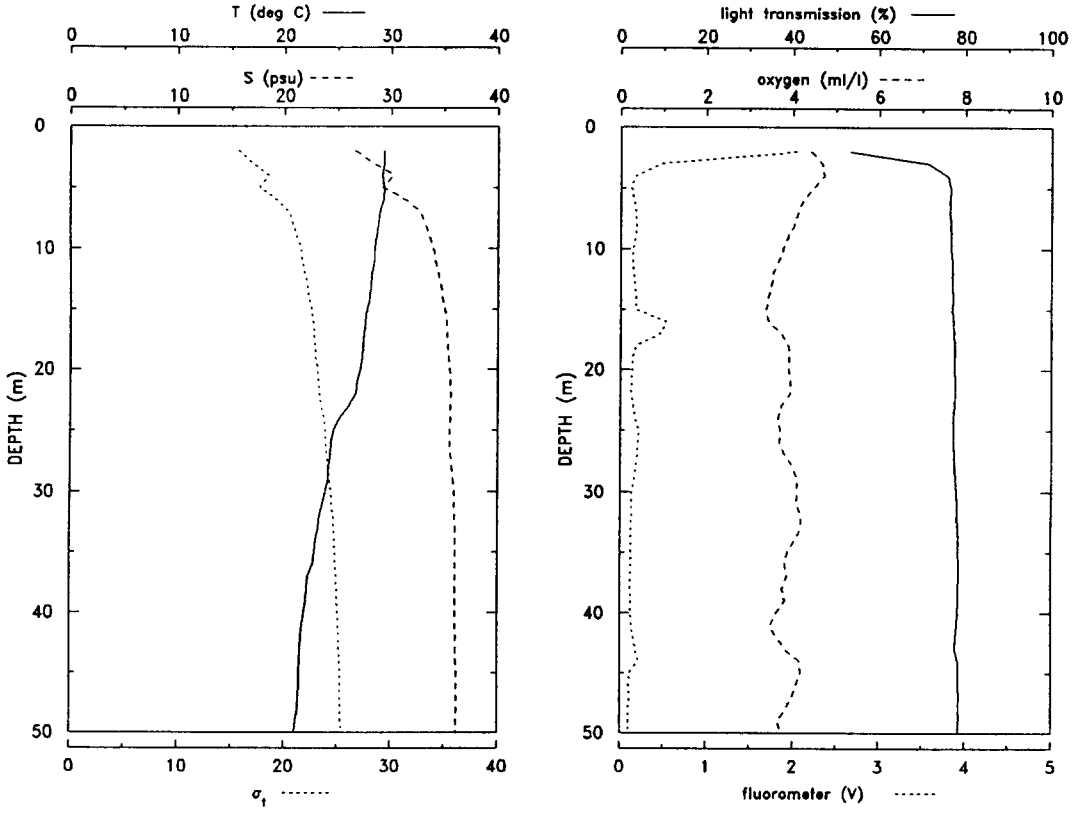
STATION 101: continued from previous page

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
50.0	21.73	36.08	25.12	78.08	2.28	.21
51.0	21.65	36.08	25.14	78.22	2.17	.18
52.0	21.62	36.09	25.16	78.32	2.98	.17
53.0	21.58	36.10	25.17	78.53	3.87	.15
54.0	21.43	36.11	25.22	78.66	3.97	.13
55.0	21.32	36.12	25.26	78.50	3.49	.18
56.0	21.11	36.16	25.35	77.52	3.01	.18
57.0	20.92	36.20	25.43	76.61	3.32	.21
58.0	20.67	36.23	25.52	76.79	3.40	.16
59.0	20.51	36.24	25.57	76.79	3.51	.16
60.0	20.45	36.25	25.60	77.10	3.65	.14
61.0	20.41	36.26	25.61	77.07	3.65	.15
62.0	20.26	36.26	25.66	76.54	3.61	.15
63.0	20.03	36.25	25.71	77.42	3.58	.20
64.0	19.96	36.27	25.74	78.71	3.54	.13
65.0	19.94	36.27	25.75	78.84	3.53	.12
66.0	19.91	36.28	25.77	78.85	3.51	.11
67.0	19.88	36.30	25.78	78.88	3.46	.14
68.0	19.82	36.32	25.82	78.97	3.45	.12
69.0	19.68	36.35	25.88	79.26	3.40	.09
70.0	19.65	36.35	25.89	79.28	3.39	.09
71.0	19.65	36.35	25.89	79.27	3.39	.11
72.0	19.65	36.35	25.89	79.27	3.38	.08
73.0	19.65	36.35	25.89	79.20	3.38	.08
74.0	19.62	36.36	25.90	79.31	3.34	.08
75.0	19.51	36.37	25.94	79.21	3.30	.08
76.0	19.39	36.38	25.98	79.10	3.22	.07
77.0	19.14	36.39	26.05	78.99	3.15	.06
78.0	19.01	36.40	26.09	78.87	3.12	.05
79.0	18.97	36.40	26.10	78.84	3.11	.06
80.0	18.94	36.40	26.11	78.84	3.10	.05
81.0	18.90	36.40	26.12	78.87	3.09	.05
82.0	18.82	36.40	26.14	79.09	3.08	.05
83.0	18.74	36.40	26.16	78.98	3.07	.05
84.0	18.72	36.40	26.16	78.72	3.06	.05
85.0	18.69	36.39	26.17	78.24	3.04	.05
86.0	18.67	36.39	26.17	78.01	3.03	.05
87.0	18.61	36.39	26.18	78.06	3.00	.05
88.0	18.49	36.39	26.21	77.98	3.00	.05
89.0	18.47	36.38	26.22	78.38	2.99	.05
90.0	18.34	36.38	26.24	78.70	2.96	.04
91.0	18.27	36.38	26.26	77.99	2.95	.05
92.0	18.15	36.37	26.29	78.01	2.94	.04
93.0	18.08	36.36	26.30	78.06	2.94	.04
94.0	18.03	36.36	26.31	78.24	2.93	.04
95.0	17.93	36.35	26.33	77.77	2.90	.04
96.0	17.82	36.34	26.34	76.57	2.89	.04

STATION 102

OP NUM: 931930105 LAT: 28 40.0 N LON: 89 19.9 W STATION DEPTH: 146 m

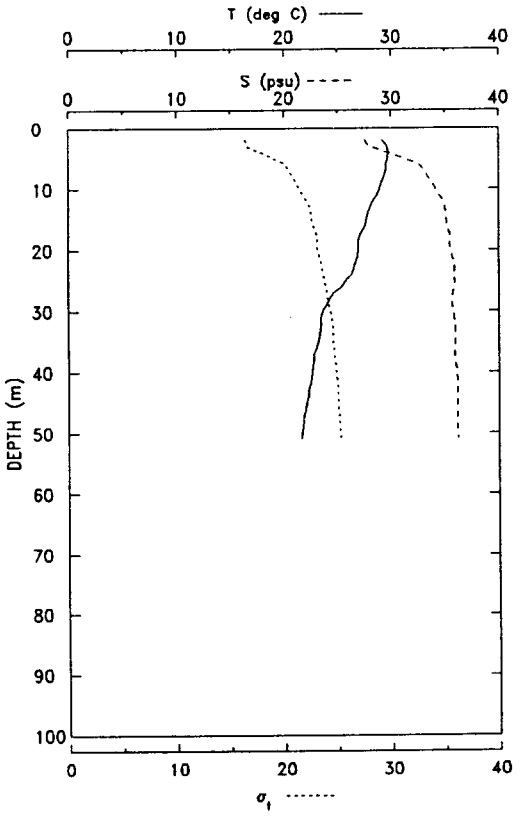


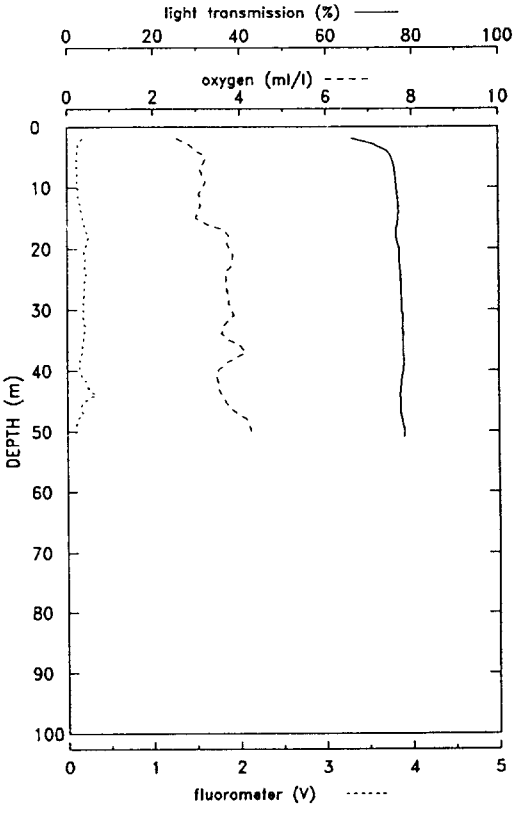
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.36	26.59	15.65	53.25	4.43	2.04
3.0	29.36	28.25	16.89	71.65	4.68	.49
4.0	29.18	30.24	18.44	75.95	4.72	.17
5.0	29.34	29.23	17.63	76.53	4.47	.13
6.0	29.27	31.30	19.20	76.35	4.23	.16
7.0	28.91	32.74	20.40	76.43	4.12	.18
8.0	28.81	33.20	20.78	76.57	4.03	.19
9.0	28.62	33.61	21.15	76.65	3.88	.17
10.0	28.47	34.01	21.50	76.72	3.77	.15
11.0	28.46	34.15	21.61	76.99	3.67	.14
12.0	28.23	34.43	21.90	76.97	3.55	.16
13.0	28.06	34.67	22.13	77.03	3.50	.17
14.0	28.01	34.80	22.24	77.07	3.43	.18
15.0	27.71	35.08	22.55	76.92	3.39	.18
16.0	27.61	35.21	22.68	77.34	3.44	.53
17.0	27.50	35.30	22.78	77.42	3.74	.47
18.0	27.40	35.36	22.87	77.55	3.91	.19
19.0	27.34	35.39	22.91	77.53	3.92	.14
20.0	27.11	35.55	23.10	77.60	3.91	.14
21.0	26.86	35.60	23.22	77.79	3.95	.13
22.0	26.71	35.63	23.29	77.68	3.95	.13
23.0	26.05	35.61	23.48	77.53	3.74	.15
24.0	25.15	35.60	23.75	77.21	3.66	.17
25.0	24.62	35.53	23.86	77.24	3.71	.22
26.0	24.42	35.51	23.90	77.31	3.69	.21

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
27.0	24.31	35.57	23.98	77.37	3.82	.20
28.0	24.16	35.70	24.13	77.62	4.01	.18
29.0	24.13	35.83	24.24	77.78	4.10	.16
30.0	23.87	35.95	24.40	78.03	4.11	.14
31.0	23.63	35.93	24.45	78.14	4.10	.14
32.0	23.31	36.00	24.61	78.18	4.21	.13
33.0	23.18	36.04	24.68	78.34	4.19	.13
34.0	22.96	36.06	24.75	78.40	4.05	.13
35.0	22.85	36.07	24.79	78.44	3.88	.13
36.0	22.72	36.09	24.84	78.55	3.82	.12
37.0	22.25	36.06	24.95	78.54	3.87	.13
38.0	22.16	36.04	24.97	78.51	3.77	.12
39.0	22.07	36.06	25.00	78.39	3.83	.13
40.0	21.92	36.07	25.05	78.36	3.64	.13
41.0	21.72	36.09	25.12	78.18	3.49	.14
42.0	21.58	36.11	25.18	77.81	3.64	.16
43.0	21.56	36.13	25.20	77.79	3.84	.19
44.0	21.48	36.16	25.24	78.48	4.16	.22
45.0	21.42	36.17	25.27	78.52	4.19	.11
46.0	21.42	36.19	25.29	78.53	4.10	.11
47.0	21.38	36.19	25.30	78.59	4.00	.11
48.0	21.29	36.20	25.33	78.64	3.85	.10
49.0	21.12	36.19	25.37	78.66	3.67	.10
50.0	21.03	36.20	25.40	78.51	3.73	.10

STATION 103

OP NUM: 931930215 LAT: 28 40.3 N LON: 89 10.0 W STATION DEPTH: 465 m



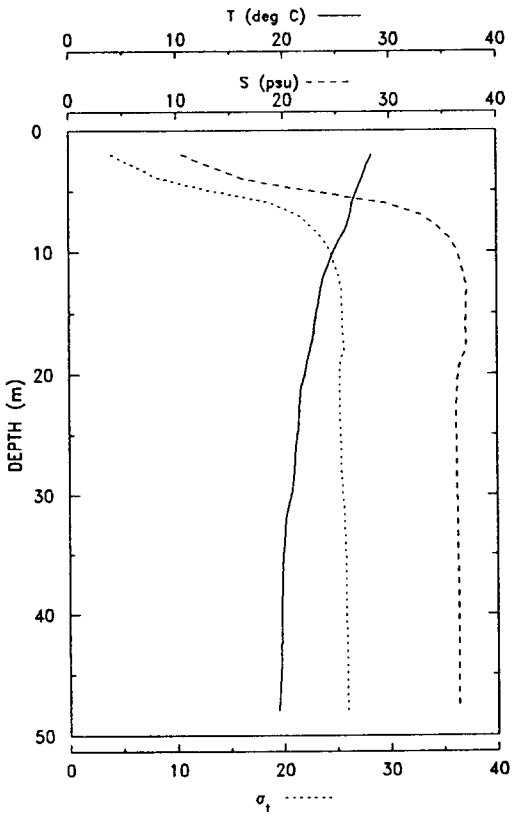


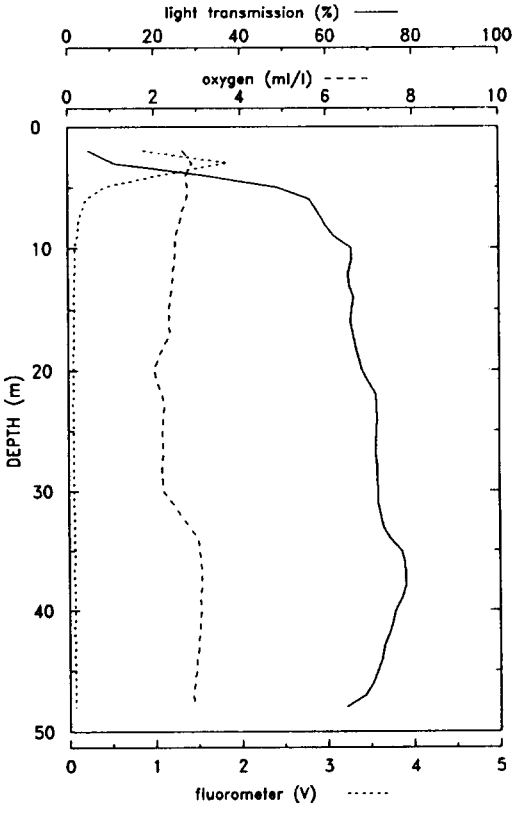
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.19	27.55	16.42	66.15	2.55	.18
3.0	29.62	27.86	16.52	71.35	2.84	.13
4.0	29.75	29.52	17.71	74.12	2.97	.12
5.0	29.72	31.17	18.95	75.24	3.21	.12
6.0	29.55	32.63	20.10	75.57	3.18	.11
7.0	29.51	33.06	20.44	75.88	3.07	.11
8.0	29.31	33.40	20.76	76.03	3.12	.12
9.0	29.11	33.81	21.13	76.23	3.21	.11
10.0	28.95	34.10	21.41	76.35	3.16	.13
11.0	28.71	34.41	21.72	76.48	3.06	.12
12.0	28.26	34.80	22.16	76.75	3.07	.13
13.0	28.01	35.01	22.40	76.77	3.09	.15
14.0	27.82	35.07	22.51	76.78	3.01	.17
15.0	27.69	35.10	22.57	76.63	2.99	.18
16.0	27.54	35.19	22.69	76.47	3.23	.20
17.0	27.28	35.36	22.90	76.28	3.66	.21
18.0	26.97	35.49	23.10	76.23	3.76	.25
19.0	26.93	35.42	23.06	76.60	3.70	.23
20.0	26.92	35.50	23.12	76.91	3.76	.20
21.0	26.83	35.68	23.29	76.91	3.84	.19
22.0	26.63	35.82	23.46	76.99	3.82	.21
23.0	26.49	35.90	23.56	77.16	3.78	.20
24.0	26.30	35.91	23.63	77.22	3.67	.22
25.0	25.79	35.91	23.79	77.29	3.67	.21
26.0	25.34	35.86	23.89	77.39	3.68	.20

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
27.0	24.62	35.71	24.00	77.39	3.71	.20
28.0	24.21	35.67	24.09	77.44	3.75	.19
29.0	24.01	35.67	24.15	77.53	3.74	.19
30.0	23.62	35.79	24.35	77.52	3.82	.19
31.0	23.46	35.85	24.44	77.67	3.85	.18
32.0	23.42	35.87	24.47	77.71	3.70	.19
33.0	23.38	35.97	24.56	77.74	3.60	.21
34.0	23.32	35.98	24.59	77.81	3.57	.19
35.0	23.22	35.94	24.59	77.90	3.75	.19
36.0	23.03	35.93	24.63	77.90	4.02	.17
37.0	22.82	35.90	24.67	77.90	4.14	.17
38.0	22.77	35.93	24.71	78.01	3.89	.14
39.0	22.66	36.01	24.80	78.00	3.65	.15
40.0	22.58	36.06	24.86	77.90	3.50	.14
41.0	22.53	36.11	24.91	77.62	3.46	.16
42.0	22.42	36.12	24.95	77.39	3.50	.22
43.0	22.28	36.10	24.98	77.29	3.51	.25
44.0	22.24	36.11	24.99	77.09	3.58	.33
45.0	22.07	36.12	25.05	77.20	3.66	.20
46.0	22.00	36.12	25.07	77.26	3.77	.15
47.0	21.87	36.12	25.11	77.28	3.94	.18
48.0	21.80	36.13	25.13	77.50	4.16	.12
49.0	21.70	36.14	25.17	77.87	4.23	.11
50.0	21.65	36.16	25.20	78.20	4.26	.09
51.0	21.60	36.17	25.22	78.08	4.30	.11

STATION 104

OP NUM: 931931205 LAT: 28 54.9 N LON: 89 14.8 W STATION DEPTH: 51 m



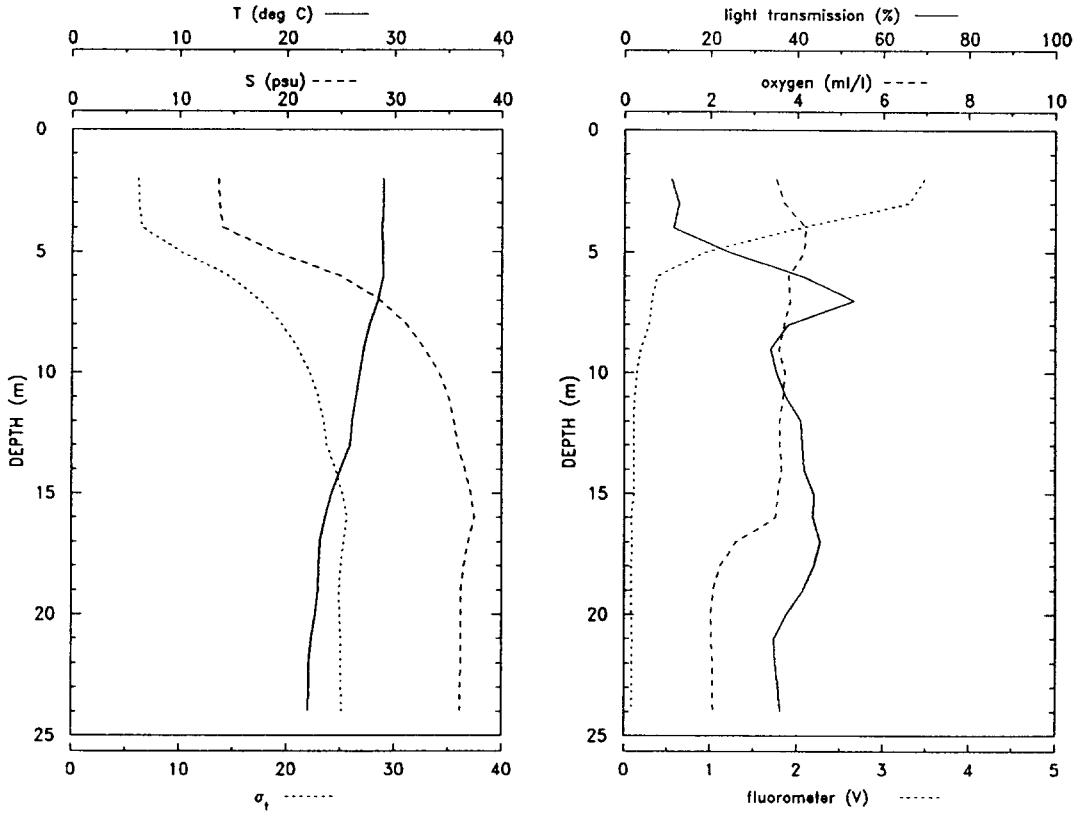


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	28.34	10.44	3.93	4.75	2.66	.88
3.0	27.78	13.27	6.20	10.59	2.89	1.87
4.0	27.35	16.11	8.46	31.52	2.73	1.07
5.0	26.88	22.28	13.21	48.62	2.78	.42
6.0	26.50	29.48	18.72	56.15	2.75	.21
7.0	26.31	32.96	21.40	57.88	2.64	.16
8.0	25.93	34.56	22.73	59.53	2.59	.12
9.0	25.30	35.70	23.78	61.73	2.49	.11
10.0	24.71	36.38	24.47	65.76	2.49	.08
11.0	24.29	36.64	24.80	65.76	2.47	.08
12.0	23.80	36.99	25.21	65.03	2.43	.08
13.0	23.50	37.21	25.47	65.16	2.41	.08
14.0	23.31	37.13	25.46	66.25	2.37	.07
15.0	23.10	37.13	25.52	65.82	2.34	.07
16.0	22.92	37.09	25.55	65.54	2.34	.07
17.0	22.78	37.15	25.63	66.11	2.36	.06
18.0	22.47	37.12	25.69	66.66	2.21	.06
19.0	22.21	36.56	25.34	67.49	2.08	.06
20.0	21.99	36.38	25.27	68.12	1.98	.06
21.0	21.68	36.29	25.29	69.61	2.06	.06
22.0	21.57	36.22	25.27	71.30	2.17	.06
23.0	21.50	36.20	25.27	71.48	2.22	.05
24.0	21.45	36.20	25.28	71.59	2.19	.06
25.0	21.28	36.23	25.36	71.42	2.17	.06

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
26.0	21.15	36.23	25.39	71.34	2.18	.06
27.0	21.08	36.24	25.42	71.36	2.19	.06
28.0	21.01	36.24	25.43	71.56	2.16	.06
29.0	20.89	36.28	25.50	71.61	2.17	.06
30.0	20.71	36.27	25.54	71.70	2.19	.06
31.0	20.39	36.29	25.65	71.83	2.40	.06
32.0	20.19	36.30	25.71	72.32	2.58	.07
33.0	20.12	36.31	25.73	73.02	2.79	.07
34.0	20.03	36.31	25.76	74.55	2.98	.06
35.0	19.91	36.33	25.81	77.16	3.02	.07
36.0	19.85	36.34	25.82	77.86	3.06	.07
37.0	19.83	36.34	25.83	78.01	3.07	.06
38.0	19.80	36.35	25.84	78.00	3.07	.06
39.0	19.77	36.35	25.85	77.13	3.04	.06
40.0	19.75	36.34	25.86	75.71	3.05	.07
41.0	19.75	36.34	25.86	74.99	3.03	.06
42.0	19.73	36.34	25.86	74.20	3.01	.06
43.0	19.71	36.34	25.86	72.95	2.99	.06
44.0	19.69	36.34	25.87	72.46	2.96	.06
45.0	19.64	36.35	25.88	71.50	2.93	.06
46.0	19.58	36.35	25.90	70.49	2.89	.06
47.0	19.53	36.35	25.92	68.67	2.85	.06
48.0	19.48	36.35	25.93	64.33	2.89	.07

STATION 105

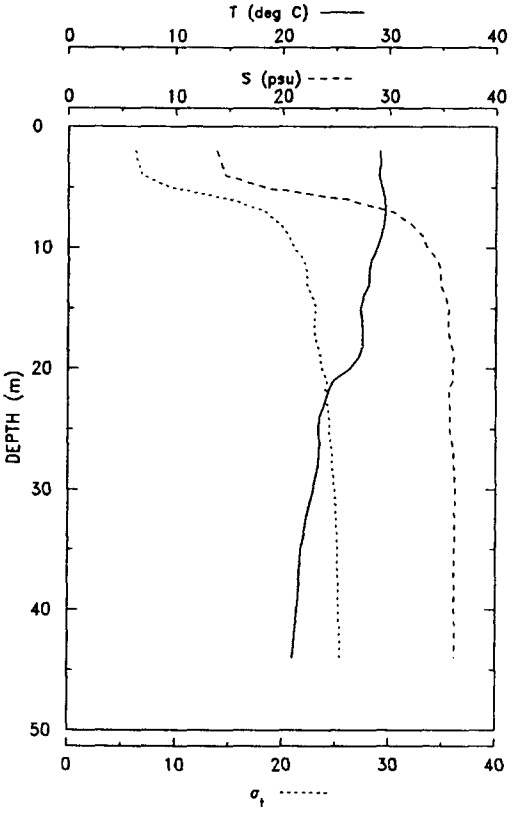
OP NUM: 931931355 LAT: 28 52.2 N LON: 89 28.1 W STATION DEPTH: 27 m

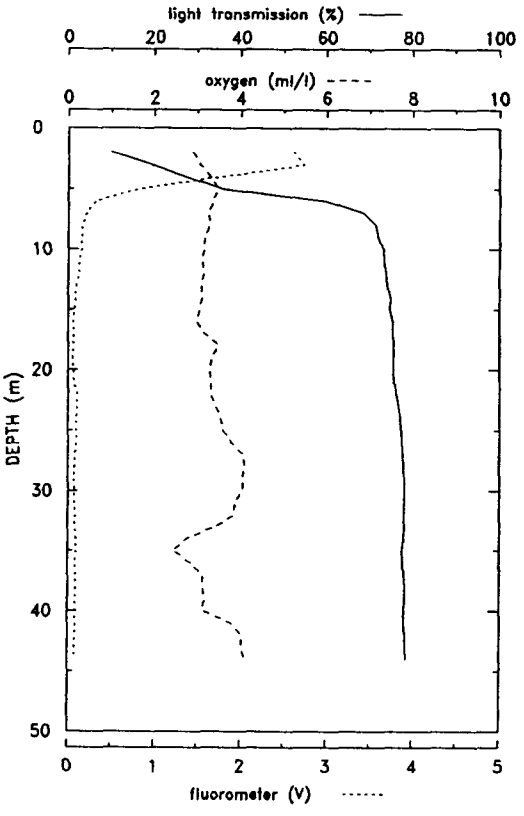


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	28.90	13.64	6.14	10.95	3.51	3.48
3.0	28.90	13.65	6.15	12.70	3.70	3.30
4.0	28.80	14.00	6.44	11.45	4.20	2.04
5.0	28.88	18.86	10.03	24.33	4.16	.95
6.0	28.93	25.01	14.60	41.46	3.80	.38
7.0	28.46	28.62	17.46	53.14	3.85	.32
8.0	27.69	31.06	19.54	38.04	3.70	.29
9.0	27.14	32.77	21.00	33.89	3.59	.19
10.0	26.78	34.13	22.13	35.33	3.72	.15
11.0	26.41	35.00	22.90	37.56	3.68	.12
12.0	26.07	35.54	23.42	41.00	3.61	.11
13.0	25.92	35.86	23.71	41.32	3.61	.12
14.0	25.01	36.55	24.51	41.75	3.64	.11
15.0	24.18	37.09	25.17	43.92	3.56	.11
16.0	23.58	37.42	25.60	43.75	3.50	.09
17.0	23.11	36.86	25.32	45.37	2.59	.09
18.0	22.97	36.43	25.03	43.86	2.22	.09
19.0	22.91	36.20	24.88	41.35	2.06	.08
20.0	22.69	36.18	24.92	37.50	2.01	.09
21.0	22.30	36.18	25.03	34.77	2.03	.09
22.0	22.10	36.16	25.07	34.98	2.05	.09
23.0	22.05	36.15	25.08	35.72	2.05	.09
24.0	22.01	36.15	25.09	36.14	2.07	.09

STATION 106

OP NUM: 931931430 LAT: 28 49.9 N LON: 89 30.1 W STATION DEPTH: 64 m



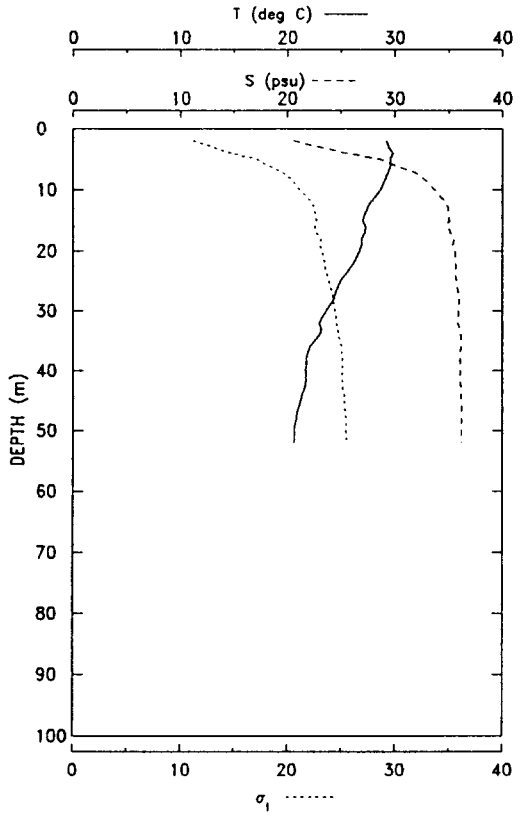


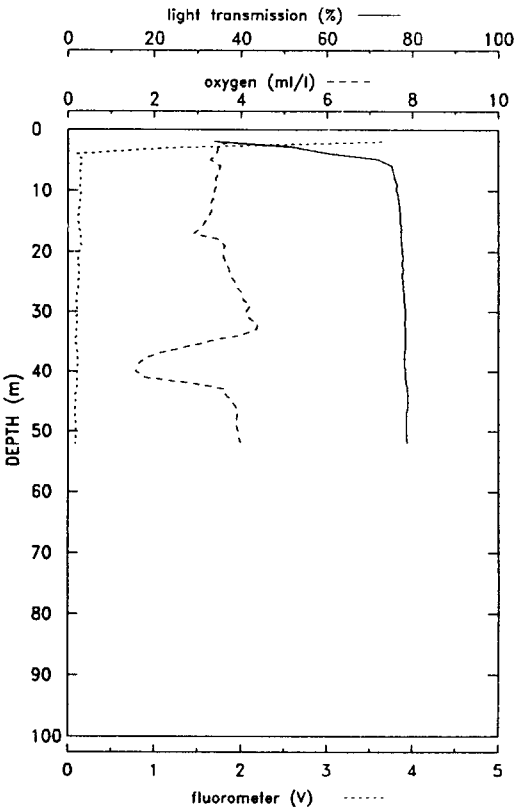
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.10	13.82	6.22	9.92	2.89	2.61
3.0	29.13	14.17	6.47	19.30	3.06	2.73
4.0	28.99	14.55	6.79	27.32	3.30	1.78
5.0	29.30	18.22	9.43	35.88	3.48	.83
6.0	29.60	25.96	15.10	59.68	3.35	.32
7.0	29.60	30.23	18.29	68.51	3.25	.21
8.0	29.48	32.05	19.69	71.39	3.28	.17
9.0	29.23	33.10	20.56	71.87	3.17	.16
10.0	28.89	33.57	21.03	73.05	3.14	.16
11.0	28.24	34.50	21.94	73.27	3.10	.12
12.0	28.08	34.85	22.26	73.73	3.15	.13
13.0	28.06	34.82	22.24	74.06	3.09	.09
14.0	27.55	35.26	22.74	74.78	3.10	.09
15.0	27.23	35.58	23.08	74.65	3.04	.07
16.0	27.44	35.51	22.96	75.32	2.99	.06
17.0	27.49	35.60	23.01	75.30	3.15	.07
18.0	27.49	35.83	23.18	75.43	3.49	.06
19.0	27.11	36.07	23.49	75.42	3.32	.05
20.0	26.32	35.97	23.67	75.50	3.29	.07
21.0	24.73	35.99	24.17	75.57	3.32	.07
22.0	24.24	35.58	24.01	76.15	3.31	.11
23.0	23.87	35.67	24.19	76.74	3.43	.11

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
24.0	23.45	35.74	24.36	77.17	3.55	.10
25.0	23.38	35.73	24.38	77.28	3.60	.10
26.0	23.43	35.87	24.47	77.35	3.79	.10
27.0	23.40	36.06	24.62	77.67	4.08	.08
28.0	23.30	36.09	24.67	77.89	4.10	.08
29.0	23.08	36.16	24.79	77.95	4.06	.07
30.0	22.86	36.18	24.87	78.01	4.04	.08
31.0	22.63	36.18	24.93	78.04	3.87	.08
32.0	22.31	36.16	25.01	78.01	3.86	.09
33.0	22.15	36.17	25.07	78.00	3.44	.08
34.0	21.95	36.17	25.12	77.81	2.75	.09
35.0	21.72	36.14	25.17	77.59	2.44	.10
36.0	21.63	36.14	25.19	77.74	2.83	.09
37.0	21.59	36.15	25.21	77.88	3.12	.09
38.0	21.54	36.15	25.23	78.12	3.14	.09
39.0	21.48	36.15	25.24	78.11	3.17	.09
40.0	21.37	36.15	25.27	78.05	3.14	.09
41.0	21.30	36.17	25.31	77.94	3.78	.09
42.0	21.14	36.21	25.38	78.24	4.03	.09
43.0	21.09	36.21	25.39	78.35	4.03	.08
44.0	20.94	36.20	25.43	78.50	4.11	.08

STATION 107

OP NUM: 931931500 LAT: 28 47.9 N LON: 89 31.8 W STATION DEPTH: 80 m



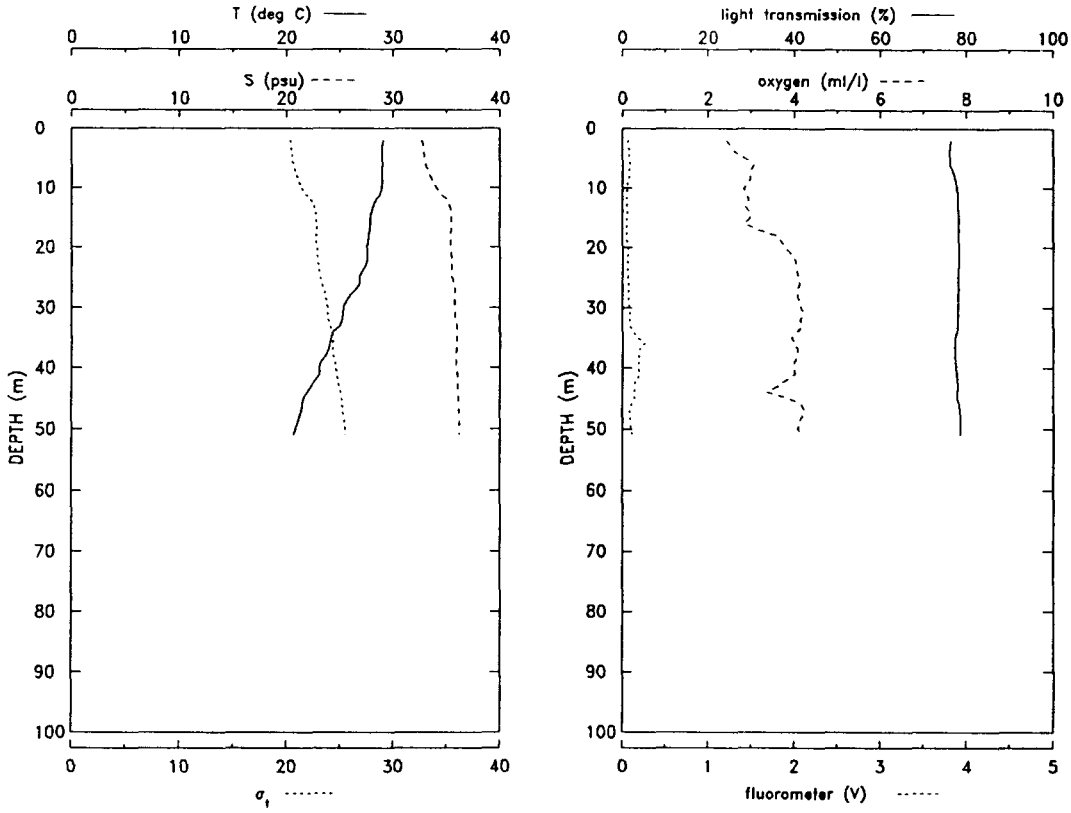


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.22	20.57	11.20	33.74	3.72	3.64
3.0	29.41	22.98	12.94	53.05	3.46	1.19
4.0	29.80	25.44	14.64	60.77	3.44	.10
5.0	29.60	28.65	17.11	72.18	3.29	.17
6.0	29.56	29.98	18.11	75.15	3.52	.14
7.0	29.38	31.69	19.46	75.43	3.48	.14
8.0	29.15	32.54	20.17	75.73	3.42	.15
9.0	28.94	33.14	20.69	76.31	3.45	.14
10.0	28.69	33.63	21.14	76.27	3.38	.15
11.0	28.22	34.19	21.71	76.64	3.37	.15
12.0	27.75	34.72	22.27	76.82	3.30	.14
13.0	27.45	34.92	22.51	77.03	3.34	.13
14.0	27.19	34.96	22.63	77.16	3.27	.12
15.0	27.01	34.99	22.71	77.18	3.18	.12
16.0	27.24	34.86	22.54	77.22	3.10	.14
17.0	27.19	35.13	22.76	77.34	2.91	.15
18.0	26.87	35.48	23.12	77.34	3.49	.15
19.0	26.92	35.34	23.01	77.44	3.61	.16
20.0	26.72	35.57	23.24	77.59	3.58	.12
21.0	26.44	35.61	23.36	77.68	3.60	.12
22.0	26.19	35.63	23.45	77.64	3.65	.12
23.0	25.78	35.63	23.58	77.65	3.73	.13
24.0	25.37	35.65	23.72	77.60	3.76	.13
25.0	24.93	35.70	23.89	77.77	3.85	.12
26.0	24.71	35.75	24.00	77.76	3.91	.12
27.0	24.48	35.90	24.18	77.95	4.04	.10

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
28.0	24.36	35.97	24.27	78.07	4.06	.10
29.0	24.01	35.94	24.35	78.19	4.21	.10
30.0	23.64	35.90	24.43	78.26	4.12	.10
31.0	23.25	35.87	24.53	78.28	4.18	.10
32.0	22.98	35.84	24.58	78.22	4.39	.10
33.0	23.13	36.04	24.69	78.25	4.36	.10
34.0	23.00	36.10	24.77	78.29	3.95	.10
35.0	22.57	36.13	24.92	78.34	3.24	.09
36.0	22.07	36.11	25.05	78.30	2.68	.10
37.0	21.91	36.09	25.07	78.14	2.10	.11
38.0	21.79	36.08	25.10	78.21	1.75	.11
39.0	21.75	36.07	25.10	78.22	1.62	.11
40.0	21.71	36.07	25.11	78.25	1.56	.11
41.0	21.70	36.06	25.11	78.28	1.77	.11
42.0	21.69	36.09	25.14	78.57	2.81	.10
43.0	21.59	36.12	25.19	78.72	3.63	.10
44.0	21.34	36.14	25.27	78.90	3.65	.08
45.0	21.21	36.15	25.31	78.90	3.78	.09
46.0	21.08	36.16	25.36	78.85	3.89	.08
47.0	20.91	36.18	25.41	78.67	3.92	.08
48.0	20.82	36.18	25.44	78.59	3.90	.08
49.0	20.72	36.19	25.47	78.57	3.90	.09
50.0	20.67	36.19	25.49	78.57	3.94	.09
51.0	20.65	36.19	25.50	78.66	3.95	.09
52.0	20.63	36.19	25.51	78.72	3.99	.09

STATION 108

OP NUM: 931931550 LAT: 28 45.1 N LON: 89 35.0 W STATION DEPTH: 89 m

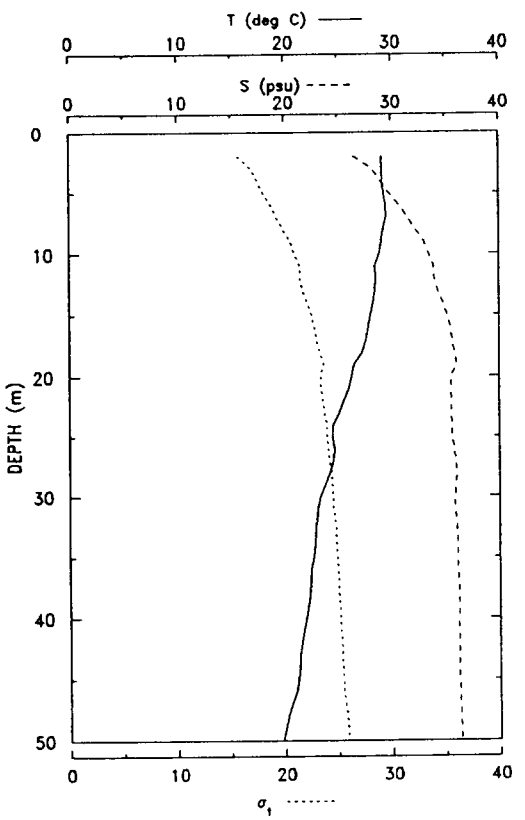


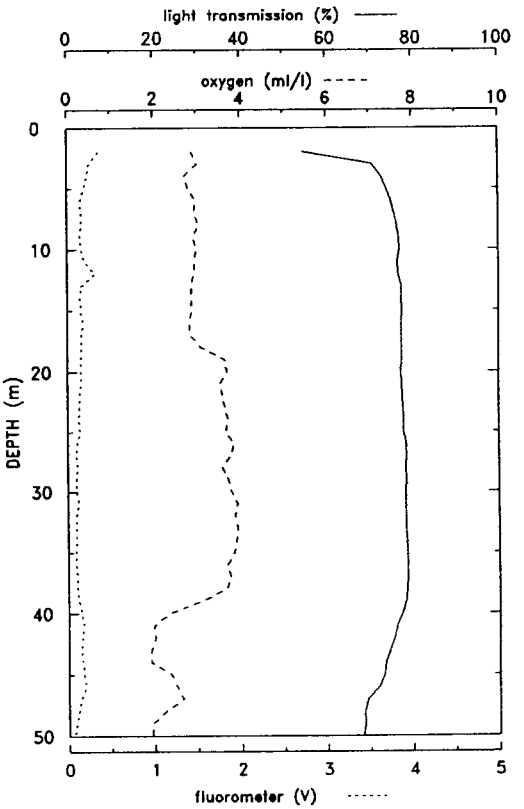
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.10	32.76	20.35	76.37	2.43	.07
3.0	28.99	32.86	20.47	76.18	2.55	.08
4.0	28.98	32.92	20.52	76.15	2.63	.08
5.0	28.98	32.99	20.56	76.07	2.86	.08
6.0	28.97	33.04	20.61	76.14	3.05	.09
7.0	28.93	33.25	20.78	76.62	2.99	.08
8.0	28.94	33.44	20.91	77.07	2.98	.08
9.0	28.97	33.78	21.16	77.42	2.96	.06
10.0	28.93	34.05	21.38	77.76	2.83	.05
11.0	28.78	34.40	21.69	77.88	2.87	.05
12.0	28.40	35.01	22.27	77.87	2.95	.05
13.0	28.17	35.30	22.57	77.88	2.85	.06
14.0	27.99	35.42	22.71	78.04	2.96	.06
15.0	27.86	35.45	22.78	78.14	2.97	.05
16.0	27.83	35.46	22.80	78.21	2.85	.05
17.0	27.78	35.49	22.84	78.21	3.10	.05
18.0	27.74	35.42	22.80	78.22	3.62	.05
19.0	27.68	35.40	22.80	78.23	3.71	.06
20.0	27.53	35.38	22.84	78.18	3.80	.06
21.0	27.52	35.41	22.86	78.17	3.91	.06
22.0	27.54	35.47	22.90	78.23	4.02	.06
23.0	27.45	35.50	22.95	78.21	4.06	.06
24.0	27.08	35.47	23.05	78.09	4.06	.06
25.0	26.83	35.51	23.16	78.04	4.11	.07
26.0	26.84	35.69	23.29	78.04	4.12	.08

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
27.0	26.47	35.83	23.52	78.10	4.08	.07
28.0	25.97	35.77	23.62	78.07	4.08	.07
29.0	25.56	35.78	23.76	78.09	4.13	.08
30.0	25.33	35.78	23.83	78.05	4.17	.08
31.0	25.29	35.82	23.87	78.06	4.21	.09
32.0	25.24	35.87	23.93	78.05	4.14	.09
33.0	25.03	36.01	24.10	77.95	4.20	.09
34.0	24.39	36.01	24.29	77.68	4.07	.13
35.0	24.17	35.93	24.29	77.34	3.94	.18
36.0	24.06	35.92	24.32	77.32	4.02	.26
37.0	23.95	35.92	24.36	77.27	4.08	.19
38.0	23.69	35.91	24.42	77.30	4.08	.20
39.0	23.19	35.90	24.57	77.38	4.01	.19
40.0	23.11	35.93	24.61	77.53	4.00	.18
41.0	23.08	36.04	24.70	77.71	4.01	.21
42.0	22.71	36.07	24.83	77.92	3.81	.16
43.0	22.34	36.06	24.93	78.05	3.62	.14
44.0	21.96	36.10	25.06	77.92	3.37	.14
45.0	21.62	36.14	25.19	77.91	3.87	.14
46.0	21.48	36.16	25.25	78.28	4.19	.11
47.0	21.39	36.19	25.30	78.44	4.24	.09
48.0	21.24	36.21	25.35	78.52	4.17	.09
49.0	21.02	36.21	25.41	78.44	4.09	.10
50.0	20.85	36.21	25.46	78.46	4.08	.10
51.0	20.67	36.20	25.50	78.52	4.19	.11

STATION 109

OP NUM: 931931730 LAT: 28 52.5 N LON: 89 45.0 W STATION DEPTH: 56 m



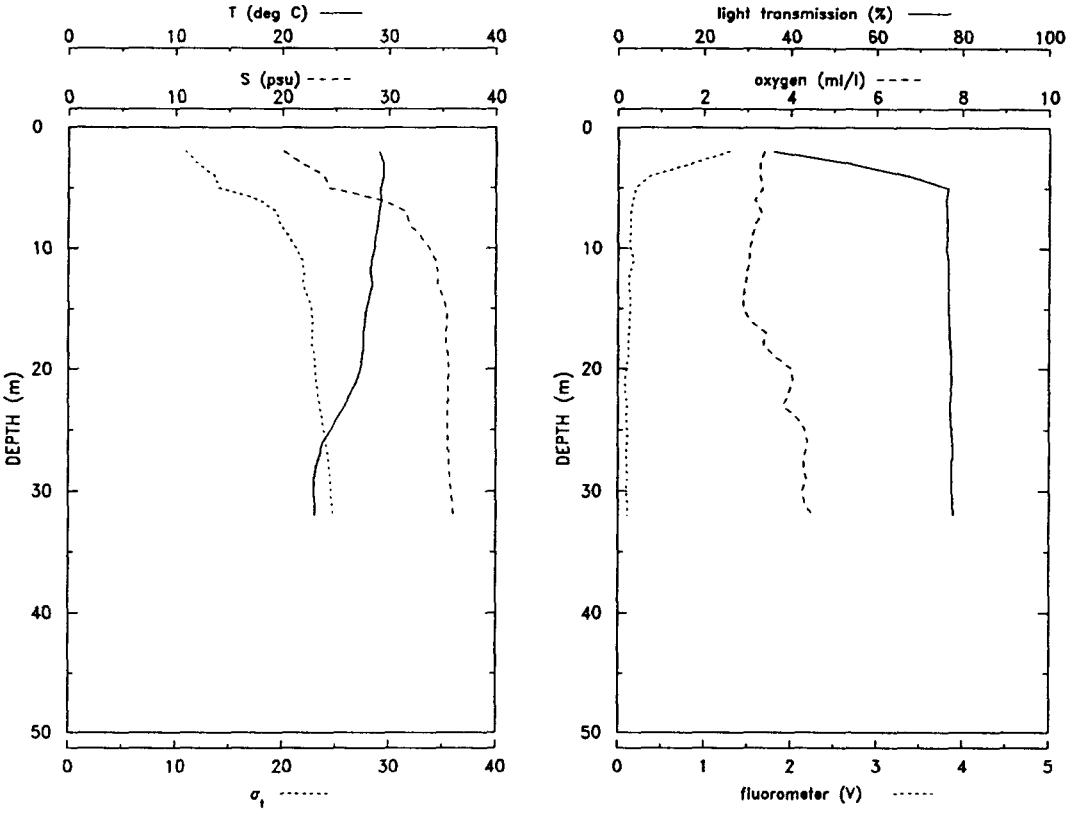


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.10	26.50	15.67	54.66	2.88	.37
3.0	29.11	28.16	16.91	70.72	3.00	.26
4.0	29.16	28.98	17.50	72.80	2.73	.23
5.0	29.28	29.74	18.03	74.03	2.81	.19
6.0	29.46	30.75	18.73	75.11	2.96	.16
7.0	29.49	31.50	19.28	75.79	2.94	.16
8.0	29.24	32.22	19.90	76.33	3.04	.17
9.0	29.02	33.01	20.57	76.76	2.92	.15
10.0	28.86	33.45	20.95	76.97	2.98	.16
11.0	28.42	33.93	21.45	76.50	2.96	.20
12.0	28.50	33.97	21.46	76.69	2.93	.32
13.0	28.43	34.29	21.72	77.37	2.88	.16
14.0	28.28	34.79	22.15	77.46	2.88	.15
15.0	28.03	35.18	22.52	77.51	2.88	.16
16.0	27.79	35.46	22.81	77.48	2.83	.18
17.0	27.60	35.62	23.00	77.47	2.84	.17
18.0	27.25	35.86	23.29	77.45	3.09	.16
19.0	26.48	36.02	23.65	77.35	3.64	.16
20.0	26.26	35.56	23.38	77.28	3.69	.16
21.0	26.03	35.50	23.41	77.37	3.53	.15
22.0	25.55	35.52	23.57	77.57	3.58	.14
23.0	25.13	35.54	23.71	77.72	3.63	.14
24.0	24.50	35.58	23.93	77.86	3.71	.13
25.0	24.48	35.60	23.95	77.83	3.65	.14
26.0	24.66	35.82	24.06	78.41	3.84	.11

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
27.0	24.55	35.90	24.16	78.49	3.77	.10
28.0	24.20	36.00	24.34	78.36	3.58	.11
29.0	23.79	35.94	24.42	78.43	3.71	.10
30.0	23.34	35.85	24.48	78.29	3.78	.10
31.0	23.08	35.81	24.53	78.25	3.91	.13
32.0	22.96	35.99	24.69	78.38	3.86	.10
33.0	22.87	36.03	24.76	78.30	3.92	.10
34.0	22.82	36.05	24.78	78.41	3.89	.10
35.0	22.66	36.07	24.84	78.59	3.84	.09
36.0	22.44	36.09	24.92	78.64	3.68	.09
37.0	22.35	36.15	24.99	78.56	3.75	.11
38.0	22.34	36.17	25.01	78.53	3.66	.10
39.0	22.15	36.19	25.08	78.13	3.08	.12
40.0	21.95	36.16	25.12	77.23	2.34	.15
41.0	21.73	36.15	25.17	76.08	1.98	.17
42.0	21.56	36.18	25.24	75.48	2.01	.16
43.0	21.39	36.19	25.30	74.42	1.91	.14
44.0	21.27	36.20	25.33	73.40	1.91	.16
45.0	21.17	36.22	25.38	73.15	2.37	.17
46.0	21.02	36.23	25.43	71.93	2.50	.20
47.0	20.58	36.28	25.59	69.17	2.64	.14
48.0	20.23	36.32	25.71	68.47	2.23	.12
49.0	19.98	36.36	25.80	68.61	1.93	.09
50.0	19.74	36.36	25.87	68.13	1.94	.06

STATION 110

OP NUM: 931931825 LAT: 28 55.0 N LON: 89 47.4 W STATION DEPTH: 47 m

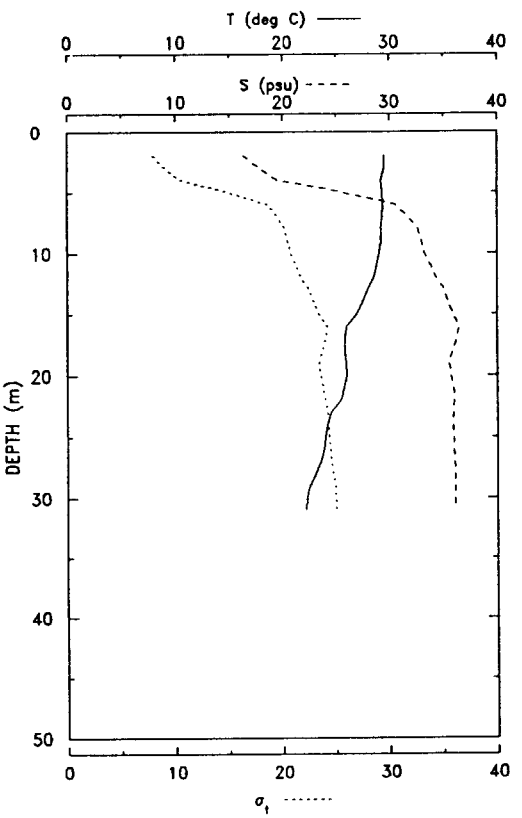


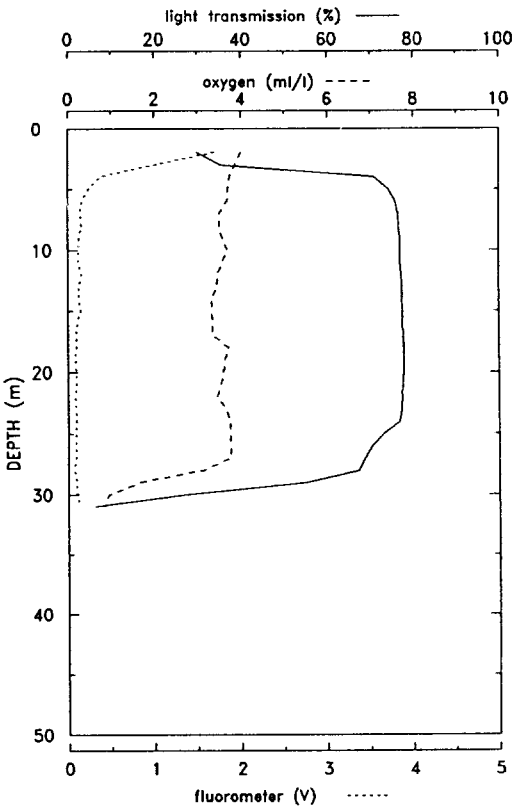
depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.02	20.02	10.86	36.03	3.37	1.29
3.0	29.44	21.77	12.03	53.84	3.30	.85
4.0	29.46	23.89	13.60	67.65	3.29	.38
5.0	29.21	24.37	14.04	76.50	3.35	.21
6.0	29.22	29.37	17.77	76.02	3.16	.17
7.0	29.03	31.58	19.49	76.23	3.33	.15
8.0	28.93	31.89	19.75	76.38	3.19	.15
9.0	28.72	32.97	20.63	76.41	3.11	.15
10.0	28.62	33.77	21.26	76.04	3.05	.14
11.0	28.31	34.37	21.82	76.53	3.04	.19
12.0	28.24	34.59	22.00	76.65	2.98	.14
13.0	28.43	34.58	21.94	76.65	2.96	.13
14.0	28.16	35.05	22.38	76.57	2.89	.14
15.0	27.88	35.34	22.70	76.64	2.90	.14
16.0	27.75	35.44	22.81	76.76	3.06	.13
17.0	27.63	35.35	22.78	76.92	3.43	.13

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
18.0	27.64	35.35	22.78	76.97	3.36	.12
19.0	27.45	35.54	22.99	77.21	3.64	.12
20.0	27.29	35.58	23.06	77.28	4.01	.10
21.0	26.97	35.55	23.14	77.39	4.05	.09
22.0	26.41	35.52	23.30	77.28	3.95	.09
23.0	25.83	35.50	23.46	77.02	3.82	.10
24.0	25.12	35.48	23.67	77.12	4.14	.10
25.0	24.49	35.49	23.87	77.40	4.33	.11
26.0	23.82	35.54	24.10	77.58	4.40	.12
27.0	23.51	35.57	24.22	77.61	4.31	.09
28.0	23.16	35.62	24.36	77.38	4.30	.11
29.0	22.97	35.70	24.48	77.42	4.37	.11
30.0	22.97	35.83	24.57	77.48	4.27	.10
31.0	23.00	35.94	24.65	77.60	4.32	.11
32.0	23.06	36.01	24.68	77.71	4.51	.11

STATION 111

OP NUM: 931932005 LAT: 28 54.7 N LON: 90 00.0 W STATION DEPTH: 31 m



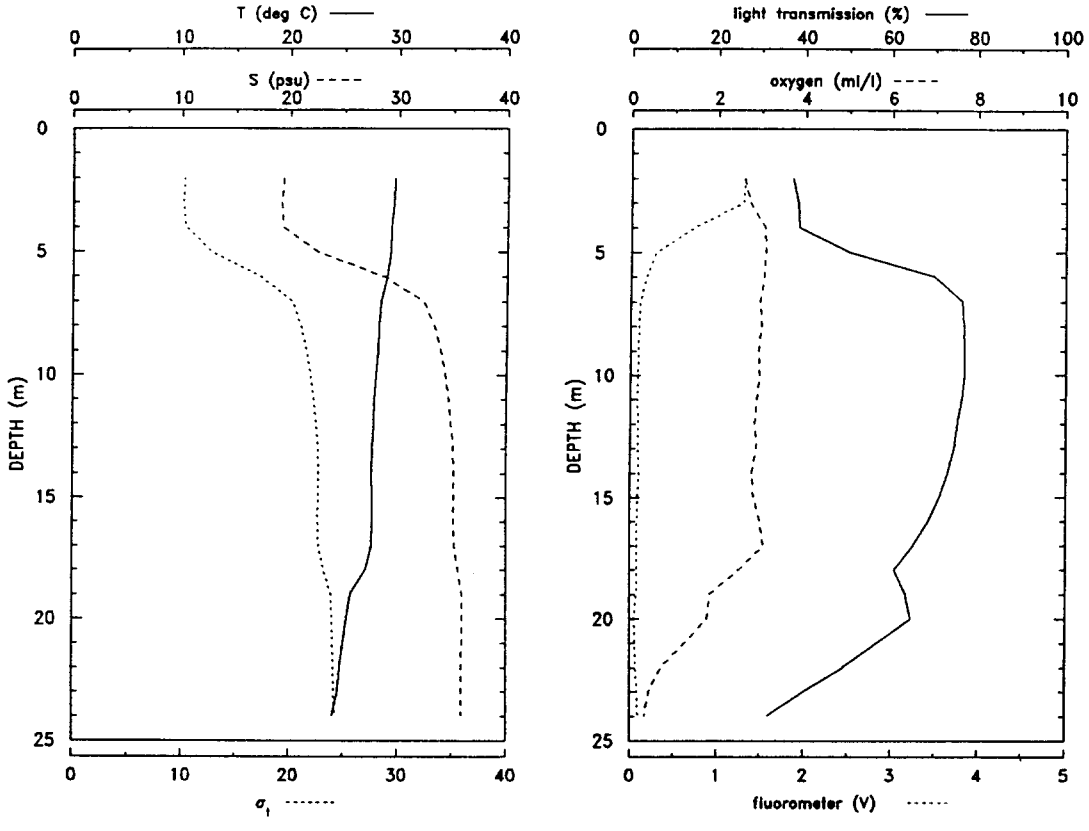


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.49	16.27	7.92	29.95	4.01	1.70
3.0	29.53	17.80	9.04	35.10	3.87	1.02
4.0	29.19	19.43	10.36	70.94	3.75	.37
5.0	29.34	25.57	14.89	74.30	3.71	.24
6.0	29.43	30.55	18.59	75.98	3.70	.16
7.0	29.33	31.74	19.51	76.50	3.51	.14
8.0	29.25	32.65	20.22	76.69	3.51	.16
9.0	29.21	32.99	20.49	77.04	3.58	.13
10.0	29.02	33.25	20.74	76.92	3.70	.13
11.0	28.79	33.86	21.28	76.97	3.58	.12
12.0	28.59	34.33	21.70	77.27	3.47	.16
13.0	27.95	35.10	22.49	77.35	3.45	.13
14.0	27.49	35.46	22.91	77.38	3.34	.13
15.0	26.94	35.87	23.40	77.51	3.34	.15
16.0	25.99	36.47	24.14	77.52	3.36	.11

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
17.0	25.81	36.27	24.05	77.67	3.34	.09
18.0	25.81	35.86	23.75	77.85	3.72	.10
19.0	25.93	35.50	23.44	77.90	3.64	.09
20.0	26.00	35.72	23.58	77.80	3.60	.10
21.0	25.78	35.94	23.81	77.51	3.54	.09
22.0	25.44	36.02	23.98	77.37	3.45	.09
23.0	24.50	35.92	24.19	77.32	3.66	.09
24.0	24.15	35.88	24.26	76.86	3.74	.10
25.0	23.98	35.95	24.37	73.14	3.75	.09
26.0	23.84	35.97	24.43	70.38	3.76	.09
27.0	23.57	36.01	24.54	68.83	3.76	.09
28.0	23.09	36.07	24.72	67.35	3.12	.07
29.0	22.46	36.10	24.92	55.11	1.66	.10
30.0	22.23	36.07	24.97	27.23	0.94	.10
31.0	22.22	36.06	24.96	6.19	0.84	.14

STATION 112

OP NUM: 931932100 LAT: 28 54.6 N LON: 90 07.6 W STATION DEPTH: 25 m

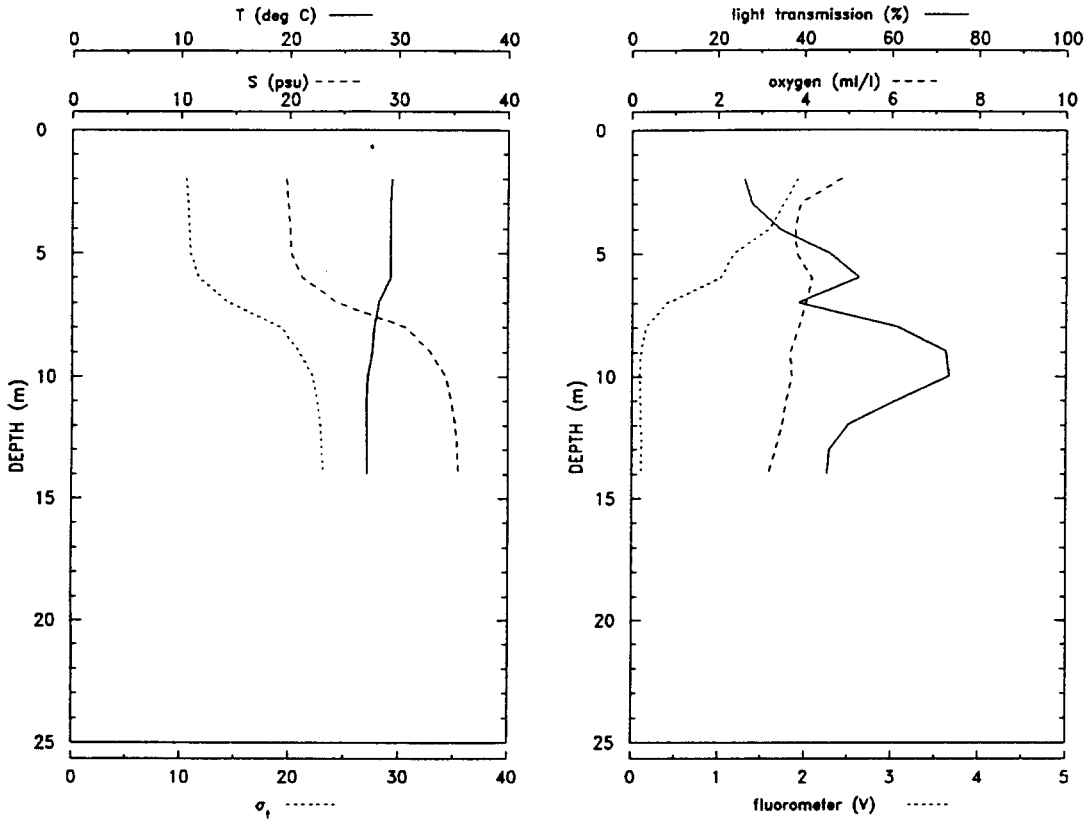


depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
2.0	29.56	19.36	10.19	37.11	2.59	1.30
3.0	29.51	19.15	10.05	38.28	2.72	1.28
4.0	29.30	19.36	10.27	38.58	3.06	.73
5.0	29.19	22.48	12.64	49.83	3.09	.28
6.0	28.95	28.60	17.29	69.47	3.05	.18
7.0	28.39	32.33	20.26	76.09	2.97	.11
8.0	28.22	33.33	21.07	76.56	3.00	.10
9.0	28.13	33.94	21.56	76.75	2.94	.09
10.0	27.94	34.36	21.94	76.66	2.96	.08
11.0	27.81	34.69	22.22	76.08	2.91	.08
12.0	27.70	34.91	22.42	74.98	2.86	.09
13.0	27.61	35.14	22.63	74.25	2.91	.09

depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluor (V)
14.0	27.58	35.15	22.65	72.82	2.80	.10
15.0	27.60	35.16	22.65	70.85	2.85	.09
16.0	27.63	35.15	22.63	68.28	3.00	.09
17.0	27.58	35.23	22.71	64.93	3.08	.08
18.0	27.00	35.58	23.16	60.68	2.52	.08
19.0	25.65	35.93	23.85	63.36	1.84	.08
20.0	25.30	35.95	23.97	64.68	1.78	.05
21.0	24.99	35.92	24.05	56.77	1.27	.06
22.0	24.71	35.89	24.11	48.97	0.72	.07
23.0	24.49	35.87	24.15	40.03	0.44	.08
24.0	24.06	35.89	24.30	31.87	0.35	.09

STATION 113

OP NUM: 921932240 LAT: 28 57.5 N LON: 90 22.0 W STATION DEPTH: 13 m



depth (m)	T (deg C)	S (PSU)	sigma-t (kg/m3)	trans (%)	oxygen (ml/l)	fluorometer (V)
2.0	29.41	19.68	10.48	26.05	4.86	1.92
3.0	29.27	19.88	10.68	27.86	3.90	1.76
4.0	29.29	20.03	10.78	34.14	3.79	1.60
5.0	29.25	20.15	10.88	45.88	3.82	1.18
6.0	29.26	21.18	11.65	52.55	4.16	1.02
7.0	28.19	24.36	14.36	38.75	4.04	.41
8.0	27.81	30.69	19.22	61.49	3.87	.16
9.0	27.63	32.90	20.94	72.49	3.68	.10
10.0	27.22	34.35	22.16	73.24	3.70	.09
11.0	27.07	34.83	22.57	61.36	3.58	.10
12.0	27.05	35.18	22.84	49.97	3.48	.11
13.0	27.05	35.34	22.96	45.73	3.33	.11
14.0	27.05	35.46	23.05	45.26	3.16	.11