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**CTD Observations in the
Coastal Transition Zone
Off Northern California
9-18 June 1987**

by
Richard E. Schramm
Jane Fleischbein
Adriana Huyer
P. Michael Kosro
Tim Cowles
Nan Dudek

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Reference 88-4
April 1988

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ABSTRACT

Wecoma cruise W8706A was conducted in June 1987 as part of the pilot study for the Coastal Transition Zone project. CTD observations were made in the coastal transition zone off northern California between 37.5°N and 41.5°N and along 43°13'N off Coos Bay, Oregon. Altogether 133 stations were completed successfully. They were concentrated along three alongshore transects, at distances of 60, 90 and 150 km from the coast. Maximum sampling depth at most stations was 500 m. Temperature, salinity, light transmission and fluorescence were measured at all stations. This report presents vertical profile plots and tabulations of data at selected depths for each station; vertical sections of temperature, salinity and potential density anomaly (sigma-theta) for the long alongshore and cross-shore sections; and maps of temperature, salinity, potential density anomaly, dynamic topography and fluorescence at selected depths.

ACKNOWLEDGMENTS

We are grateful to all those who participated in this cruise, and particularly to the master, crew and the marine technicians of the R/V Wecoma for their expert work on this cruise. Pat Collier assisted in the preparation of this report. This study is funded by the Office of Naval Research, contract number N00014-87-K-0242.

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INTRODUCTION

This was the third of three mapping cruises designed to determine the general character of the mesoscale flow field in the Coastal Transition Zone off northern California during the winter and late spring of 1987. All three cruises were intended to have the same basic sampling pattern (shown in Figure 1) covering an alongshore extent of about 450 km. The cruise track was designed to consist of three modular units (A,B, and C, south of Pt. St. George, Cape Mendocino and Pt. Arena, respectively), each of which would take about three days to complete, and thus provide a synoptic mesoscale survey of each unit. Each module included alongshore transects at about 90 and 150 km from shore, and cross-shore transects extending out 60 km from the coast. The combination of three modules yields two continuous alongshore sections (Lines I and II, 150 and 90 km from shore respectively) each about 450 km long, and a discontinuous alongshore transect about 60 km offshore. On each cruise, we planned to make closely spaced CTD casts to 500 m on the outer transects of the southern modules; it is in this region that seaward jets and narrow filaments of cold surface waters had been observed previously (Flament et al., 1985; Kosro and Huyer, 1986). On each cruise, we operated a 300 kHz acoustic-Doppler current profiler continuously and obtained continuous underway surface temperature and salinity data. Complementary biological observations were made on all three cruises by T. Cowles and L. Small of Oregon State University, R.T. Barber and F.A. Chavez of Duke University, and M. Abbott and R. Hood of Scripps Institution of Oceanography. Mark Abbott, Bob Whritner and Melissa Ciandro of the Scripps Satellite Facility provided transmission to the ship of sea surface temperature maps derived from the AVHRR sensor on the NOAA9 satellite. The CTD data from the February and May

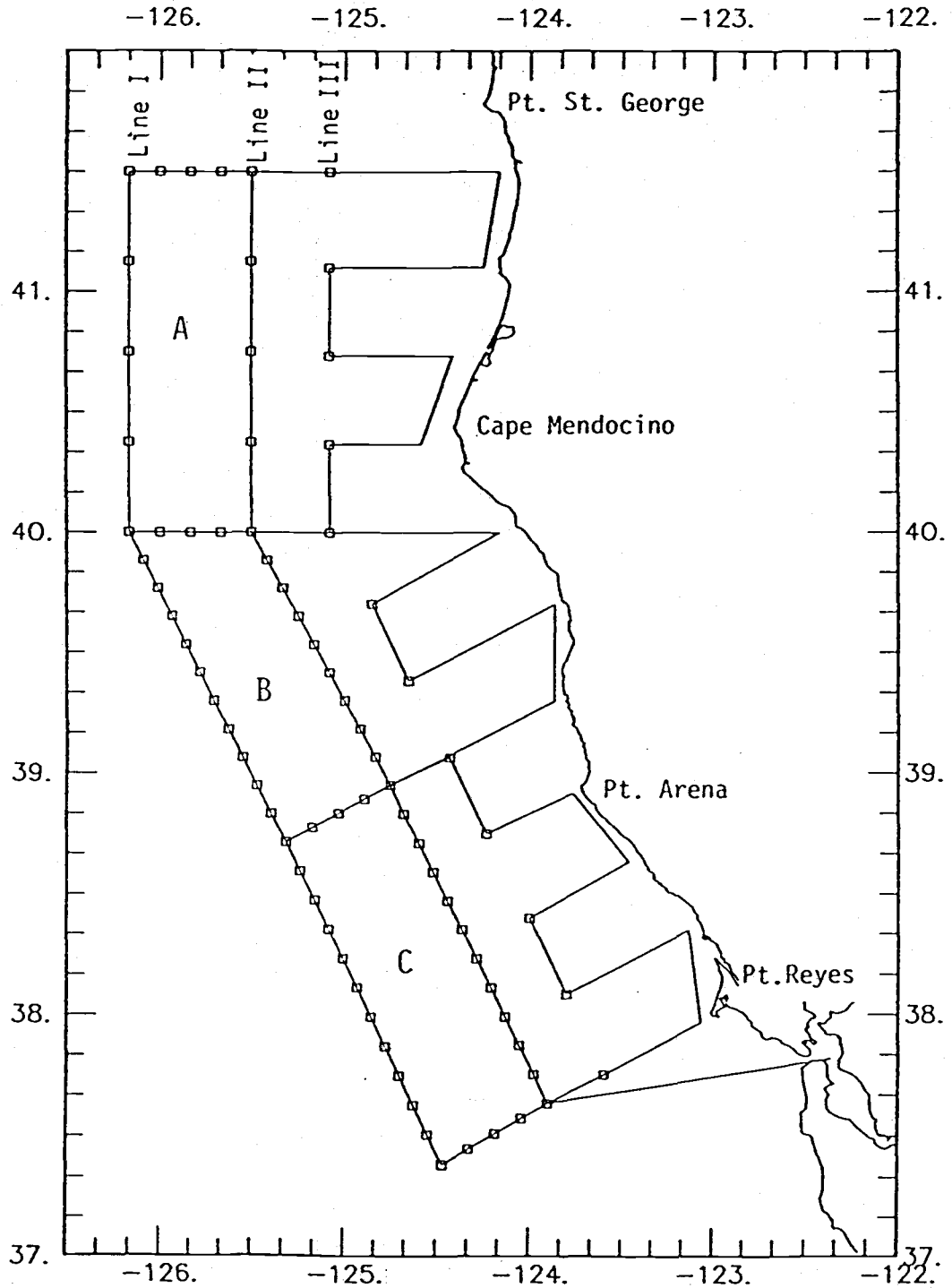


Figure 1. The basic sampling plan for the three CTZ mapping cruises in 1987. Actual sampling during each cruise varied somewhat from this pattern because of weather and other constraints.

cruises have been presented in earlier reports (Schramm et al., 1987, 1988); this data report presents the CTD data from the June cruise.

The R/V *Wecoma* departed San Francisco, California on the morning of 9 June 1987, and arrived at Station 1 at $37^{\circ}38'N$, $123^{\circ}54.2'W$ on the south side of Module C (Figure 2) at 2230 UT. We began CTD casts along the southern edge of Module C and then turned north along the western edge to Station 16 at the northwest corner of Module C. Strong northwest winds (Figure 3) combined with a large swell forced the ship to dogleg between Stations 1-5 and Stations 16-21 (Table 1) as it proceeded along the southern and northern edges of Module C. Since it was still too rough to run perpendicular to the coast, we decided to eliminate the inshore sections of Module C (Figure 1) and at Station 21 we turned southward straight along Line III to Station 25 (Figure 2). Heading northward, we completed Stations 26-37 along the east side of Module C (Figure 2) on 12 June.

On 12-13 June, Stations 38-46 were occupied on the inshore sections of Module B. Stations 47-75 along the perimeter of Module B were completed on 13-15 June, and Stations 76-103 around Module A were completed on 15-16 June.

Preliminary CTD and ADCP data from Modules B and A indicated an offshore flow across Lines I and II north of $40^{\circ}40'N$ and an onshore current south of $40^{\circ}N$. To obtain additional data about the seaward extent of the jets, we turned offshore along $40^{\circ}N$ occupying stations 104-106 and then proceeded northward along $126^{\circ}40'W$, completing Stations 107-112. This section showed the offshore limit and continuity of the currents near $40^{\circ}N$. These extra sections and the rough seas earlier had put us too far behind schedule to be able to complete all of the inshore sections of Module A, so we headed north along the inshore edge of Module A, occupying Stations 115 to 121 and then completed Stations 122-126 along $41^{\circ}30'$ to fill in the northern inshore edge

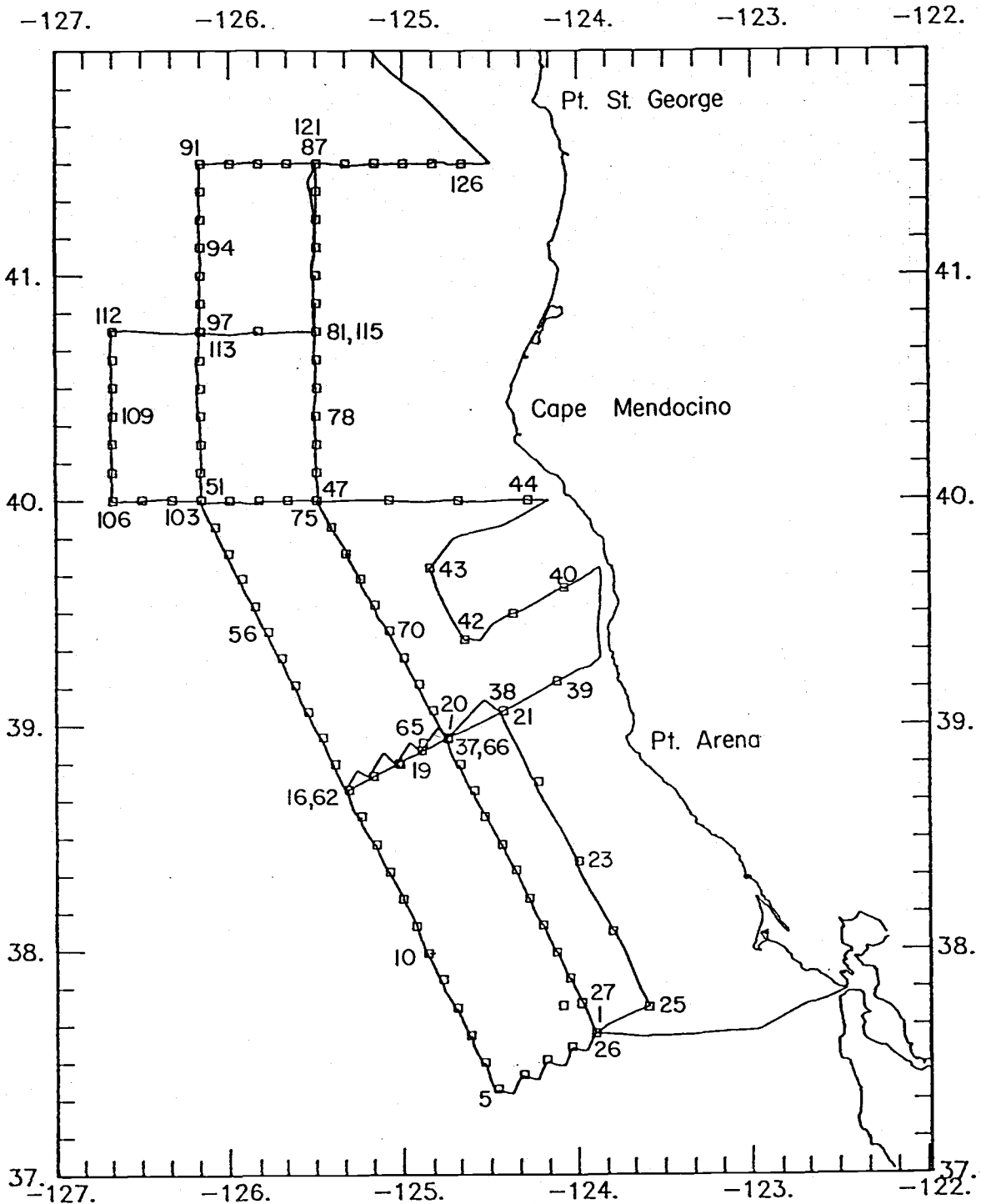


Figure 2. Ship's track during the third CTZ mapping cruise, W8706A, R/V Wecoma, 9 - 18 June 1987. Squares indicate the positions of CTD stations.

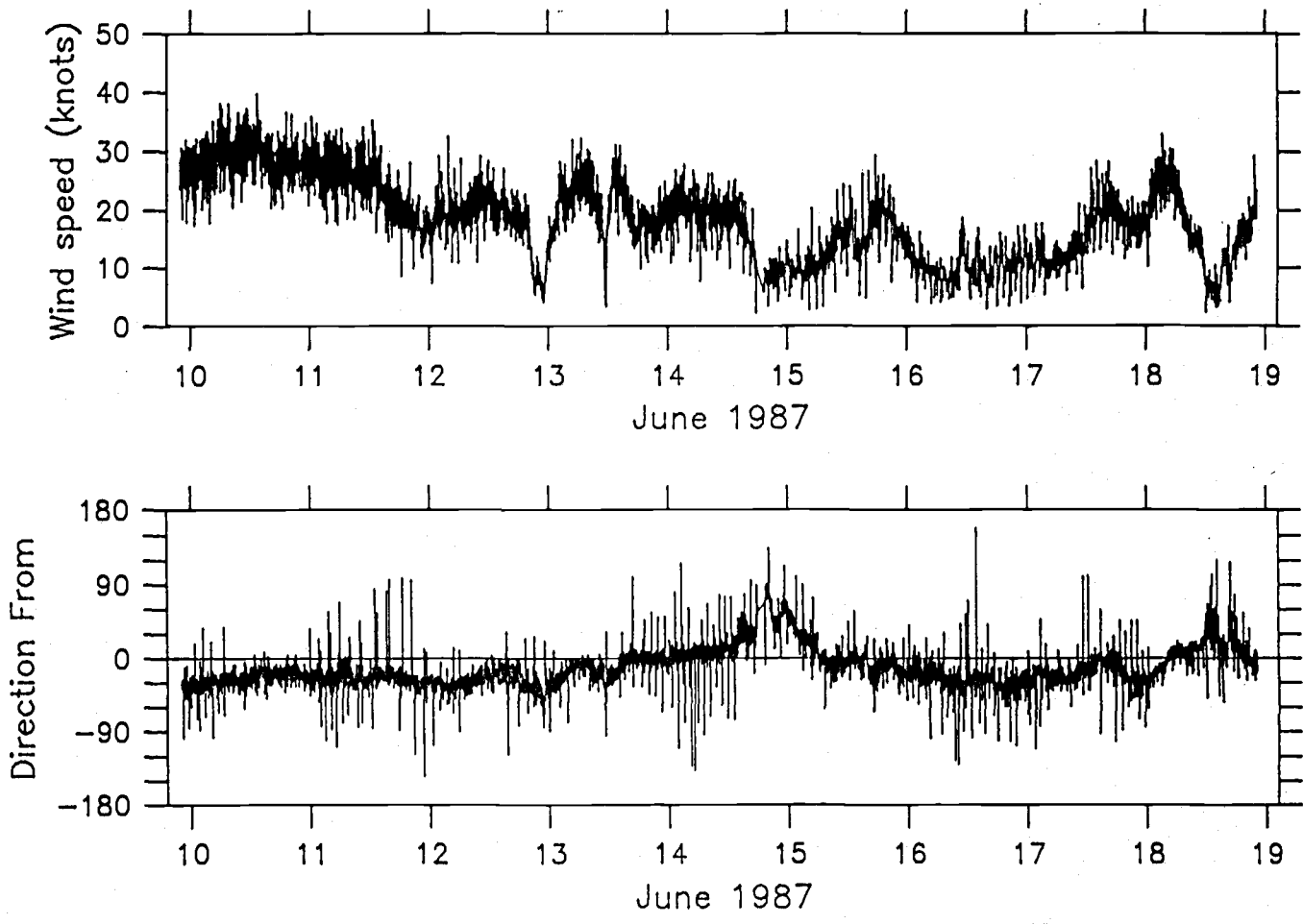


Figure 3. Speed and direction of the wind vectors recorded at two-minute intervals.

of Module A. After completing Station 126 on 17 June, the ship ran north to the Five Mile CTD section off Coos Bay, Oregon.

On the morning of 18 June we recovered and redeployed the Coos Bay current meter mooring. The ship then steamed to the inshore end of the Five Mile Pt. CTD section and occupied Stations 127-133 (Table 1) along the section, departing Station 133 at 2150 UT, 18 June. The ship arrived at Newport, Oregon on 0600 UT, on 19 June.

Personnel participating in the cruise were Michael Kosro (chief scientist), Adriana Huyer, Robert L. Smith, Rich Schramm, Jane Fleischbein, Robert Still, Chris Still, Ted Benson, and Kevin Krefft of Oregon State University; Peter Barnett, Mark Geesy and Patrick Whaling of Duke University, and Raleigh Hood and Jan Galer of Scripps Institution of Oceanography.

SAMPLING AND CALIBRATION PROCEDURES

A Neil Brown Instruments Mark IIIb conductivity-temperature depth (CTD) probe (#2561) was used to obtain continuous profiles of temperature and salinity and pressure at each station. The profiling package consisted of the CTD mounted below a General Oceanics Rosette sampler with six 5 liter Niskin bottles. Mounted adjacent to the CTD were a Sea Tech 25 cm transmissometer (s/n 33D) and a Sea Tech Fluorometer (s/n 27). The CTD was fitted with a 1600 decibar pressure sensor. The fast response thermistor was disabled and replaced in the circuitry with a precision 10 ohm resistor to permit only the platinum thermometer's temperature signal to be digitized. The time constant of the platinum resistance thermometer of the probe had earlier been determined to be 0.235 sec (Fleischbein et al., 1987) using estimates of the slope of the phase spectrum between the measured temperature and conductivity as suggested by Millard, Toole and Swartz (1980). The CTD

was set to sample at its maximum rate of 32 Hz. The entire instrument package was lowered at a rate of about 45 meters per minute to a depth of 500 decibars.

OSU's CTD probe #2561 was calibrated for pressure, temperature and conductivity by the manufacturer in December 1986. Previous experience has indicated that the CTD pressure and temperature sensors are very stable over a period of several months: temperature to within a few millidegrees and pressure to within a few decibars. At a few stations, protected reversing thermometers were mounted on one bottle; these thermometers are calibrated once every three years at the Northwest Regional Calibration Center and have an accuracy of $\pm 0.02^{\circ}\text{C}$. The temperatures recorded by these thermometers were the same as the CTD temperature within the stated accuracy of the reversing thermometers. The CTD temperature sensor was calibrated in the laboratory at OSU in August 1987; results of that calibration (mean difference less than 0.001°C from the standard) confirmed that no correction was needed. The CTD pressure at the surface prior to a cast was recorded at regular intervals during the cruise; it always remained less than 0.5 dbar which is within the stated accuracy of the pressure sensor (± 1.6 dbar) so no correction was applied to the CTD pressure data.

Water samples were collected at each station from Niskin bottles at selected depths to provide in situ conductivity calibration data. Bottles were tripped during the up-cast, and the CTD data to be compared with the samples were recorded at the actual depth at which each bottle was tripped. Duplicate salinity samples were drawn from selected bottles and stored in round 4-oz. glass bottles with new poly-seal caps, with an additional outer seal of 'Parafilm'. One complete set of the salinity samples was analyzed on a Guildline 8400A Autosol salinometer (OSU's #4) after the ship returned to

Newport (i.e., during July and August 1987). Duplicates were analyzed mainly to check those sample values which showed relatively large differences from the CTD. The Guildline Autosal determines water sample salinity with a precision of ± 0.002 and an accuracy of ± 0.003 . Sample conductivities were calculated using the sample salinity value with the CTD temperature and pressure values; a value of $42.914 \text{ mmho cm}^{-1}$ for the conductivity of standard seawater at 15°C (Culkin and Smith, 1980) was used to convert the measured sample conductivity ratios to conductivity. Sample conductivities were compared to CTD conductivities which had been corrected for temperature and pressure effects on the cell. The average and standard deviation of the conductivity differences (Table 2) were within the stated accuracy of the CTD so no conductivity correction was applied to the CTD conductivity data.

The transmissometer measures the light transmitted by a collimated beam of nearly monochromatic (660 nm) light through a path length of 25 cm. It provides an analog output of 0 to 5 VDC, corresponding to 0 to 100 % transmission. This output is digitized by the CTD using the full integer range of 0 to 4095, and merged into the data stream. The transmissometer was calibrated by the manufacturer against a distilled water standard in January of 1987. Readings in air were also obtained at this time (air calibration = 4.741 VDC, zero offset = 0.000 VDC), and an air calibration, repeated in the lab in September 1987, was within the stated accuracy of the transmissometer so no correction was applied to the transmissometer data.

The formula

$$\text{TRANS} = (\text{VOLTS}/5)*100.$$

was used to convert the voltage to percent transmission.

The fluorometer measures the fluorescence emitted by photosynthetic

Table 2. Results of in situ calibration samples, W8706A stations 1-133: station number, sample depth (Z) and comparison between sample and corrected CTD values of temperature (T), conductivity (C) and salinity (S).

STA	Z	Sample Values			CTD Values			Differences		
		BT	BS	BC	T(ctd)	C(ctd)	S(ctd)	DC	DT	DS
1	384		34.119	33.902	6.163	33.902	34.119	0.000		0.000
1	9		33.550	38.982	12.507	38.982	33.549	0.001		0.001
2	409		34.133	33.719	5.932	33.724	34.139	-0.005		-0.006
2	10		33.493	39.065	12.660	39.061	33.488	0.005		0.005
3	387		34.124	33.863	6.113	33.865	34.127	-0.002		-0.003
3	224		34.029	34.922	7.467	34.920	34.026	0.003		0.003
3	15		33.475	39.327	12.959	39.325	33.472	0.003		0.003
4	324		34.148	34.472	6.798	34.474	34.150	-0.002		-0.002
4	24		33.334	38.522	12.246	38.523	33.334	0.000		0.000
5	495		34.165	33.408	5.510	33.410	34.167	-0.002		-0.002
5	11		33.499	38.889	12.463	38.886	33.496	0.003		0.003
7	4		32.749	38.701	13.117	38.697	32.746	0.003		0.003
8	468		34.156	33.527	5.665	33.527	34.157	-0.001		-0.001
8	4		32.740	38.447	12.850	38.445	32.737	0.003		0.003
9	225		33.998	35.173	7.775	35.176	34.001	-0.003		-0.003
9	5		32.755	39.086	13.530	39.081	32.750	0.005		0.005
10	393		34.050	33.536	5.818	33.537	34.051	-0.001		-0.001
10	40		32.785	39.218	13.622	39.218	32.785	0.000		0.000
11	294		34.001	34.138	6.589	34.147	34.011	-0.009		-0.010
11	30		32.828	38.600	12.903	38.598	32.826	0.002		0.002
12	209		34.007	35.068	7.658	35.070	34.009	-0.002		-0.002
13	213		33.998	34.507	7.043	34.509	34.000	-0.002		-0.002
13	10		33.196	38.434	12.312	38.430	33.192	0.004		0.004
14	370		34.052	33.525	5.815	33.527	34.054	-0.002		-0.002
14	5		33.161	38.024	11.908	38.022	33.159	0.002		0.002
15	353		34.025	33.974	6.353	33.976	34.027	-0.002		-0.002
15	14		32.600	38.023	12.541	38.023	32.600	0.000		0.000
16	238		34.032	35.543	8.142	35.543	34.031	0.000		0.001
16	4		32.561	38.209	12.796	38.207	32.558	0.003		0.003
17	469		34.146	33.805	5.986	33.806	34.147	-0.001		-0.001
17	307		34.075	34.886	7.339	34.888	34.077	-0.002		-0.002
17	21		32.546	38.130	12.718	38.128	32.544	0.002		0.002
18	307		34.064	34.972	7.446	34.970	34.061	0.003		0.003
18	209		33.910	35.549	8.289	35.557	33.918	-0.007		-0.008
18	4		32.566	38.259	12.845	38.253	32.560	0.007		0.006
19	321		34.020	34.324	6.764	34.323	34.019	0.001		0.001
19	38		32.799	38.630	12.966	38.629	32.797	0.002		0.002
20	16		32.792	38.661	13.018	38.661	32.792	0.000		0.000
21	488		34.146	33.243	5.346	33.247	34.151	-0.005		-0.005
21	4		32.762	37.354	11.623	37.355	32.763	-0.001		-0.001
22	463		34.226	33.603	5.684	33.604	34.227	-0.001		-0.001
22	4		33.437	36.324	9.742	36.324	33.437	0.000		0.000
23	497		34.175	33.648	5.768	33.645	34.172	0.003		0.003
24	443		34.176	33.708	5.861	33.708	34.176	0.000		0.000
24	30		33.535	38.174	11.642	38.174	33.535	0.000		0.000
25	494		34.205	33.599	5.685	33.599	34.205	0.000		0.000
25	325		34.174	34.807	7.143	34.807	34.174	0.000		0.000
26	49		33.599	38.054	11.433	38.057	33.602	-0.003		-0.003
26	5		33.550	39.006	12.534	38.999	33.543	0.007		0.007

Table 2. (continued)

STA	Z	Sample Values			CTD Values			Differences		
		BT	BS	BC	T(ctd)	C(ctd)	S(ctd)	DC	DT	DS
27	391		34.101	33.869	6.141	33.871	34.103	-0.002		-0.002
27	4		33.550	38.918	12.440	38.912	33.544	0.006		0.006
29	460		34.219	33.805	5.918	33.801	34.215	0.004		0.004
29	39		33.684	37.938	11.219	37.935	33.681	0.003		0.003
30	14		33.655	37.797	11.110	37.795	33.653	0.002		0.002
31	411		34.176	34.144	6.363	34.143	34.175	0.001		0.001
31	5		33.289	38.201	11.957	38.200	33.288	0.001		0.001
32	5		33.318	37.966	11.669	37.965	33.317	0.001		0.001
33	401		34.091	33.609	5.855	33.611	34.093	-0.002		-0.002
33	5		33.125	37.964	11.883	37.963	33.124	0.001		0.001
34	75		33.314	36.721	10.278	36.731	33.324	-0.010		-0.010
34	5		33.067	37.858	11.832	37.857	33.066	0.001		0.001
35	429		34.090	33.381	5.586	33.381	34.090	0.000		0.000
35	294		34.045	34.367	6.800	34.367	34.045	0.000		0.000
35	5		32.720	37.520	11.853	37.520	32.720	0.000		0.000
36	4		32.691	38.380	12.833	38.379	32.690	0.002		0.001
37	57		32.772	39.289	13.706	39.288	32.772	0.000		0.000
37	5		32.772	39.269	13.709	39.268	32.771	0.001		0.001
38	50		32.966	37.961	12.038	37.961	32.965	0.001		0.001
39	5		32.863	37.421	11.582	37.422	32.864	-0.001		-0.001
40	404		34.127	33.654	5.868	33.654	34.127	0.000		0.000
41	488		34.110	32.751	4.827	32.752	34.111	-0.001		-0.001
41	14		32.970	37.997	12.089	37.996	32.969	0.001		0.001
42	442		34.102	33.224	5.391	33.223	34.101	0.001		0.001
42	14		32.961	38.113	12.227	38.120	32.967	-0.006		-0.006
43	288		33.983	33.643	6.057	33.641	33.980	0.002		0.003
43	14		32.928	38.387	12.564	38.387	32.927	0.001		0.001
44	290		34.131	34.481	6.842	34.480	34.130	0.001		0.001
44	5		33.650	35.961	9.114	35.958	33.648	0.002		0.002
45	399		34.056	32.982	5.185	32.980	34.054	0.002		0.002
45	4		33.396	36.245	9.699	36.246	33.397	-0.001		-0.001
46	429		34.140	33.078	5.196	33.079	34.141	-0.001		-0.001
46	14		32.914	37.110	11.178	37.106	32.910	0.005		0.004
47	500		34.185	33.003	5.032	33.003	34.185	0.000		0.000
47	6		32.985	37.770	11.828	37.768	32.983	0.003		0.002
48	430		34.139	33.087	5.206	33.086	34.139	0.000		0.000
48	6		33.019	37.833	11.858	37.828	33.014	0.005		0.005
49	362		34.088	33.466	5.717	33.466	34.088	0.000		0.000
50	401		34.072	33.482	5.731	33.478	34.068	0.004		0.004
50	15		32.465	38.715	13.459	38.714	32.464	0.001		0.001
51	500	5.06	34.070	32.940	5.074	32.941	34.071	-0.001	-0.014	-0.001
51	51		32.507	38.566	13.229	38.562	32.504	0.004		0.003
51	40		32.504	38.712	13.398	38.711	32.503	0.001		0.001
51	29		32.506	38.687	13.373	38.683	32.503	0.003		0.003
51	14		32.502	38.732	13.434	38.731	32.502	0.000		0.000
51	4		32.504	38.738	13.443	38.735	32.502	0.002		0.002
52	504	4.97	34.070	32.858	4.979	32.858	34.070	0.000	-0.009	0.000
52	5		32.468	38.508	13.232	38.506	32.467	0.001		0.001
53	494		34.066	32.901	5.036	32.900	34.066	0.000		0.000
53	5	13.25	32.496	38.573	13.271	38.572	32.496	0.001	-0.021	0.000
54	398		33.965	33.404	5.751	33.404	33.966	-0.001		-0.001

Table 2. (continued)

STA	Z	Sample Values			CTD Values			Differences		
		BT	BS	BC	T(ctd)	C(ctd)	S(ctd)	DC	DT	DS
55	5	13.22	32.485	38.527	13.233	38.524	32.483	0.002	-0.013	0.002
56	489		34.173	33.919	6.077	33.922	34.176	-0.003		-0.003
56	10		32.515	37.679	12.261	37.676	32.512	0.003		0.003
57	20		32.473	37.704	12.333	37.697	32.465	0.008		0.007
57	5	12.30	32.466	37.684	12.325	37.682	32.464	0.002	-0.025	0.002
58	499	5.97	34.140	33.798	5.969	33.796	34.139	0.001	0.001	0.001
58	20		32.735	39.133	13.597	39.131	32.734	0.002		0.001
59	34		32.769	39.353	13.790	39.352	32.768	0.001		0.001
59	5		32.769	39.337	13.786	39.335	32.768	0.002		0.001
60	416	6.61	34.143	34.348	6.620	34.348	34.144	0.000	-0.010	-0.001
60	143		33.689	36.654	9.767	36.657	33.692	-0.003		-0.003
60	14		32.770	39.342	13.786	39.340	32.769	0.001		0.001
61	5	13.71	32.760	39.269	13.723	39.277	32.768	-0.008	-0.013	-0.008
62	10		32.771	39.263	13.701	39.261	32.770	0.002		0.001
63	34		32.776	39.291	13.715	39.287	32.772	0.004		0.004
64	491		34.143	33.518	5.657	33.518	34.143	0.000		0.000
64	25		32.763	39.256	13.696	39.254	32.761	0.002		0.002
65	5		32.767	39.240	13.683	39.237	32.765	0.003		0.002
66	469		34.107	33.255	5.408	33.252	34.104	0.003		0.003
66	9		32.761	39.197	13.641	39.192	32.757	0.004		0.004
67	35		32.930	38.390	12.555	38.388	32.927	0.003		0.003
67	19		32.925	38.374	12.550	38.371	32.922	0.003		0.003
68	500		34.176	33.353	5.435	33.349	34.171	0.004		0.005
68	15		32.538	37.553	12.093	37.550	32.535	0.003		0.003
69	223		33.949	34.492	7.072	34.491	33.947	0.001		0.002
70	415		34.017	32.859	5.076	32.855	34.013	0.003		0.004
72	295		33.976	33.741	6.170	33.741	33.976	0.000		0.000
73	413		34.100	33.226	5.410	33.225	34.099	0.001		0.001
74	341		34.053	33.409	5.698	33.403	34.046	0.006		0.007
74	4		32.942	37.969	12.095	37.965	32.938	0.004		0.004
75	500		34.174	32.722	4.725	32.722	34.175	-0.001		-0.001
76	357		34.091	33.410	5.653	33.408	34.089	0.002		0.002
77	209		34.006	34.133	6.621	34.130	34.003	0.003		0.003
77	5		32.994	38.359	12.462	38.357	32.992	0.002		0.002
78	221		33.995	34.379	6.900	34.378	33.994	0.001		0.001
78	4		33.063	37.541	11.490	37.537	33.059	0.004		0.004
79	274		33.989	33.848	6.287	33.846	33.987	0.002		0.002
79	4		33.086	37.626	11.557	37.623	33.083	0.003		0.003
80	119		33.858	35.064	7.851	35.063	33.856	0.001		0.002
80	4		33.396	38.100	11.728	38.094	33.390	0.006		0.006
81	291		33.984	33.587	5.991	33.585	33.982	0.002		0.002
82	409		34.121	33.353	5.534	33.353	34.121	0.000		0.000
82	5		33.300	37.905	11.623	37.900	33.295	0.005		0.005
83	497		34.146	33.412	5.532	33.410	34.144	0.002		0.002
84	278		33.985	34.633	7.165	34.635	33.987	-0.002		-0.002
84	14		32.309	38.009	12.864	38.006	32.305	0.004		0.004
85	267		33.966	34.533	7.078	34.533	33.966	0.000		0.000
85	5		32.200	38.283	13.299	38.279	32.197	0.003		0.003
86	396		34.063	33.494	5.756	33.494	34.063	0.000		0.000
86	5		32.270	38.509	13.467	38.508	32.269	0.001		0.001
87	453		34.098	33.271	5.442	33.269	34.097	0.001		0.001

Table 2. (continued)

STA	Z	Sample Values			CTD Values			Differences		
		BT	BS	BC	T(ctd)	C(Ctd)	S(ctd)	DC	DT	DS
88	500		34.125	33.138	5.243	33.137	34.124	0.001		0.001
88	4		32.229	38.522	13.530	38.519	32.226	0.003		0.003
89	429		34.082	33.378	5.591	33.377	34.081	0.001		0.001
89	49		32.602	38.917	13.504	38.910	32.595	0.007		0.007
89	4		32.546	39.071	13.759	39.070	32.545	0.001		0.001
90	419		34.030	33.149	5.389	33.147	34.028	0.002		0.002
90	4		32.523	38.820	13.511	38.815	32.519	0.005		0.004
91	395		34.026	33.277	5.549	33.276	34.025	0.001		0.001
91	20		32.527	38.754	13.426	38.754	32.528	-0.001		-0.001
92	461		34.059	33.039	5.216	33.040	34.060	-0.001		-0.001
93	152		33.517	35.642	8.831	35.641	33.516	0.001		0.001
93	35		32.506	38.708	13.394	38.704	32.502	0.004		0.004
94	260		33.950	34.608	7.181	34.608	33.950	0.000		0.000
94	19		32.522	38.792	13.474	38.790	32.521	0.001		0.001
95	318		34.011	34.077	6.499	34.075	34.009	0.002		0.002
95	5		32.511	38.810	13.514	38.807	32.508	0.003		0.003
96	434		34.070	33.622	5.874	33.620	34.068	0.002		0.002
96	20		32.507	38.697	13.387	38.695	32.506	0.001		0.001
97	433		33.996	33.302	5.588	33.300	33.994	0.001		0.002
97	5		32.437	38.707	13.487	38.698	32.429	0.008		0.008
98	359		34.041	33.752	6.086	33.749	34.037	0.003		0.004
98	210		33.934	34.836	7.475	34.830	33.928	0.006		0.006
98	4		32.370	38.383	13.210	38.378	32.366	0.004		0.004
99	435		34.078	33.330	5.537	33.327	34.076	0.002		0.002
99	6		32.434	37.499	12.157	37.498	32.433	0.001		0.001
100	480		34.087	32.889	5.009	32.887	34.085	0.002		0.002
100	4		33.130	38.409	12.363	38.405	33.125	0.005		0.005
101	154		33.892	35.176	7.922	35.173	33.889	0.003		0.003
101	4		33.162	38.402	12.319	38.399	33.159	0.004		0.003
102	499		34.149	33.049	5.120	33.047	34.147	0.002		0.002
104	364		34.043	33.823	6.161	33.824	34.044	-0.001		-0.001
104	20		32.518	38.781	13.466	38.776	32.514	0.004		0.004
105	434		33.982	33.012	5.274	33.011	33.982	0.000		0.000
105	20		32.419	38.496	13.270	38.496	32.419	0.000		0.000
106	334		33.955	33.748	6.180	33.749	33.956	-0.001		-0.001
106	49		32.804	39.549	13.955	39.547	32.802	0.002		0.002
107	275		33.991	34.720	7.257	34.720	33.991	0.000		0.000
107	50		32.798	39.596	14.012	39.593	32.796	0.002		0.002
108	310		33.975	34.282	6.769	34.282	33.975	0.000		0.000
108	19		32.503	38.748	13.448	38.748	32.504	-0.001		-0.001
109	453		34.065	33.616	5.863	33.614	34.063	0.002		0.002
109	20		32.501	38.720	13.420	38.713	32.494	0.007		0.007
110	364		34.019	34.023	6.408	34.025	34.022	-0.002		-0.003
111	430		34.044	34.021	6.349	34.021	34.044	0.000		0.000
111	245		33.912	35.213	7.898	35.215	33.914	-0.002		-0.002
111	30		32.502	38.681	13.371	38.679	32.500	0.002		0.002
112	470		34.098	33.492	5.683	33.491	34.097	0.001		0.001
113	284		33.979	34.182	6.666	34.180	33.977	0.002		0.002
114	289		34.034	33.944	6.342	33.951	34.042	-0.007		-0.008
115	202		33.940	34.558	7.165	34.554	33.935	0.005		0.005
116	309		34.005	33.575	5.948	33.570	33.999	0.005		0.006
116	5		32.870	37.602	11.773	37.597	32.865	0.005		0.005

Table 2. (continued)

STA	Z	Sample Values			CTD Values			Differences			
		BT	BS	BC	T(ctd)	C(ctd)	S(ctd)	DC	DT	DS	
117	459		34.102	33.211	5.368	33.209	34.100	0.002		0.002	
117	102		33.369	36.175	9.603	36.180	33.375	-0.006		-0.006	
117	75		33.091	36.178	9.921	36.164	33.077	0.014		0.014	
117	51		32.901	36.635	10.649	36.636	32.902	-0.001		-0.001	
117	34		32.785	36.878	11.056	36.884	32.791	-0.006		-0.006	
118	469		34.127	33.434	5.589	33.432	34.125	0.002		0.002	
118	4		32.273	38.630	13.597	38.628	32.271	0.002		0.002	
119	500		34.103	33.075	5.193	33.073	34.102	0.001		0.001	
119	201		33.914	35.146	7.844	35.144	33.911	0.003		0.003	
120	499		34.122	33.024	5.118	33.020	34.118	0.004		0.004	
120	324		34.004	33.969	6.383	33.968	34.003	0.001		0.001	
121	338		33.999	33.652	6.026	33.652	33.999	0.000		0.000	
122	411		34.090	33.278	5.479	33.277	34.089	0.001		0.001	
123	389		34.073	33.143	5.355	33.141	34.071	0.002		0.002	
124	225		33.987	34.030	6.517	34.026	33.983	0.004		0.004	
126	5		33.164	37.032	10.818	37.029	33.161	0.003		0.003	
127	39		33.854	34.950	7.768	34.944	33.847	0.006		0.007	
128	70		33.875	34.857	7.628	34.855	33.873	0.002		0.002	
129	137		33.937	34.700	7.357	34.698	33.935	0.002		0.002	
130	179		33.974	34.412	6.979	34.409	33.970	0.003		0.004	
131	284		34.028	33.801	6.191	33.793	34.019	0.008		0.009	
131	195		33.969	34.594	7.178	34.595	33.970	-0.001		-0.001	
132	371		34.038	33.552	5.858	33.551	34.038	0.000		0.000	
132	146		33.800	35.194	8.041	35.192	33.798	0.002		0.002	
132	9		31.802	38.372	13.872	38.371	31.801	0.001		0.001	
133	354		34.018	33.829	6.197	33.827	34.016	0.002		0.002	
133	309		33.998	34.123	6.568	34.122	33.997	0.001		0.001	
133	5		31.822	38.601	14.105	38.598	31.819	0.003		0.003	
								Mean.	0.0012	-0.0130	0.0012
								Std dev.	0.0029	0.0078	0.0030
								No. obs.	231.	8.	231.

pigments (chlorophyll and related pigments) in marine phytoplankton following excitation with blue light from a xenon flashlamp. The fluorometer provides analog output of 0 to 5 VDC, with adjustable sensitivity ranges and integration time constants. The fluorometer was operated at a mid-range setting which provided an operational sensitivity range of approximately 0.2 to 8.0 μg pigment per liter. The analog output is digitized by the CTD and merged into the data stream. Calibration samples from multiple depths were obtained via rosette samples from over 50 stations per cruise. *In vivo* fluorescence values from the fluorometer were compared with the extracted pigment concentrations obtained from the calibration samples, using standard chlorophyll extraction techniques for frozen, filtered samples. The calibration resulted in the following conversions for the voltages reported in this report, with r , the correlation coefficient, shown for each result:

Table 3. Calibration conversions for fluorescence voltage

June-Day (0600-1930 local time (GMT-7))

upper 50 meters

$$\text{total pigment} = 1.19 * \text{volts} - 0.015 \quad r = .86$$

(n = 138)

$$\text{chlorophyll a} = 0.83 * \text{volts} - 0.04 \quad r = .87$$

(n = 138)

below 50 meters

$$\text{total pigment} = 0.60 * \text{volts} + 0.44 \quad r = .30$$

(n = 43)

$$\text{chlorophyll a} = 0.48 * \text{volts} + 0.13 \quad r = .51$$

(n = 43)

June-Night (1930-0600 local time)

upper 50 meters

$$\text{total pigment} = 0.98 * \text{volts} + 0.16 \quad r = .87$$

(n = 81)

$$\text{chlorophyll a} = 0.62 * \text{volts} + 0.08 \quad r = .87$$

(n = 81)

below 50 meters

$$\text{total pigment} = 0.53 * \text{volts} + 0.43 \quad r = .42$$

(n = 25)

$$\text{chlorophyll a} = 0.33 * \text{volts} + 0.17 \quad r = .52$$

(n = 25)

The poor correlations below 50 meters are the consequence of degradation of photosynthetic pigments via the grazing processes of zooplankton. The in situ chlorophyll values at 5 meters are presented in Figure 4.

CTD DATA PROCESSING PROCEDURES

The CTD data are recorded at sea on a Kennedy 9-track data logger, with many stations on each tape. Data logging normally begins as soon as the CTD probe is in the water, and continues until after the probe has reached the maximum depth. The first step in data processing is to obtain a directory of

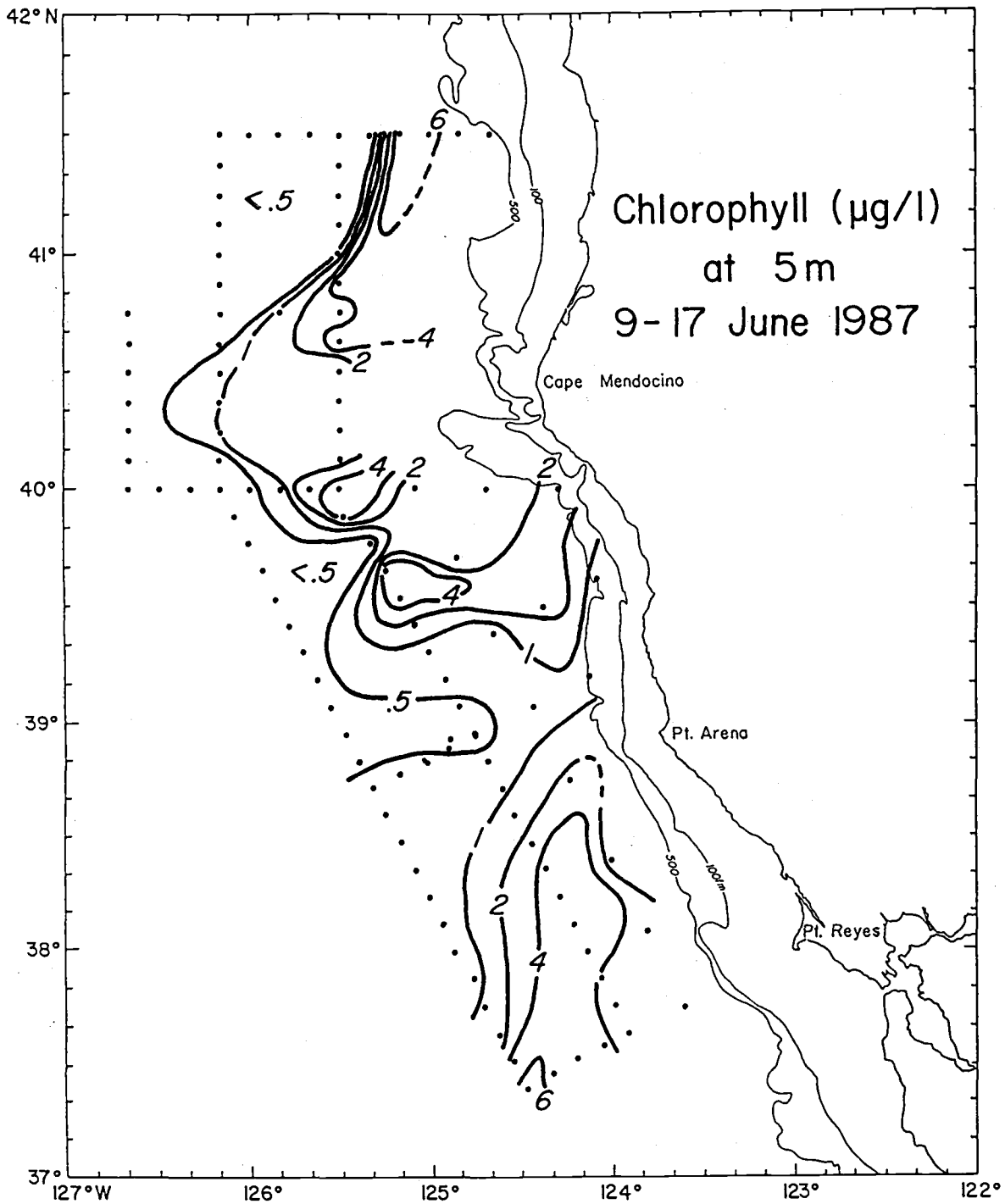


Figure 4. Map of in situ chlorophyll at 5 m, 9-17 June 1987. Data are from fluorescence profiles presented in this report, converted to chlorophyll using the regressions in Table 3.

the data tape using program NBCTD3. For each station, this directory lists the header data, the block number in which the instrument descent begins, and the maximum pressure. NBCTD3 is then used to create disc files of pressure, temperature, conductivity, transmissometer counts and fluorescence counts for each cast. This program also corrects the conductivity data for variations in cell geometry due to pressure and temperature changes. Using program CTDRED6 we then apply the temperature, conductivity and pressure calibrations (described above), and check for extraneous values and extreme gradients. This program applies a recursive filter designed by R. Millard (S. Hayes, pers. comm.) to the conductivity data to remove the phase difference introduced by the finite response time ($T = 235$ msec) of the temperature sensor; this filter has the form

$$C(n) = a_0 C(n-1) + (1-a_0) C_i(n)$$

where $C_i(n)$ is the observed value plus the calibration adjustment, $C(n)$ is the filtered value of the n^{th} scan, and $a_0 = T / (T + t_i) = 0.880$ is a constant determined from the time constant T and the time interval t_i between scans. The same recursive filter is applied to the pressure data to reduce the digitizing noise and ensure that the pressure data is in phase with the temperature and conductivity data at low frequencies (<1 Hz). Practical salinity (Lewis, 1978) is computed from the temperature and the filtered conductivity and pressure data using standard algorithms (Fofonoff and Millard, 1983) and a value of 42.914 to convert CTD conductivity to conductivity ratio (Culkin and Smith, 1980).

The filtered pressure data are used to eliminate the ascending scans caused by ship's motion. Data collected during descent are sorted into 2 dbar bins, and the extremes and averages of each variable are computed for

each bin. Profiles of the temperature and salinity extremes are plotted to determine whether further editing is needed, and the 2 dbar mean temperatures and salinities constitute the processed data. When editing appears to be necessary, the original data files are examined in detail; data points that are rejected are replaced by linearly interpolated values, and the files are reprocessed using CTDRED6.

The processed data files containing integral pressure, and average temperature, conductivity, salinity, transmission, and fluorescence are archived. These files are used to calculate other parameters of interest such as potential temperature (θ), potential density anomaly (σ_θ), specific volume anomaly, geopotential anomaly, sound velocity, etc., from the new equation of state of sea-water (UNESCO, 1981) using standard algorithms (Fofonoff and Millard, 1983). In this data report we show only profile plots of temperature, salinity, σ_θ , fluorescence and light transmission vs. pressure, and tables of temperature, salinity, σ_θ , specific volume anomaly, geopotential anomaly, fluorescence and light transmission at selected pressures.

DATA PRESENTATION

The hydrographic data are summarized in maps and vertical sections. For each alongshore and cross-shore section, we show the vertical distribution of temperature, salinity and σ_θ , contoured subjectively. Tick marks at the top of each section and dots on each map indicate station positions at which a CTD cast was made.

For the complete survey, we show maps of temperature, salinity and σ_θ at eleven standard depths: 0, 25, 50, 75, 100, 150, 200, 250, 300, 400 and 500 db. Maps of dynamic heights of the sea surface relative to

50, 100, 200 and 500 db, of the 25, 50 and 100 db surfaces relative to 250 db; and of the 25, 50, 100, 150 and 200 db surfaces relative to 500 db are included.

Averages and standard deviations of the profiles of temperature, salinity and sigma-theta vs pressure are presented for each module (Figure 5) and for each alongshore transect (Figure 6). The average and standard deviations for the temperature vs salinity curve are also shown (Figure 7).

Vertical profiles of temperature, salinity and sigma-theta vs. pressure are presented for the 133 stations. In addition, a second plot shows the vertical profiles of light transmission and fluorescence with the salinity profile repeated to facilitate comparisons among variables. For station 116 there is no profile for fluorescence because the fluorometer had a broken wire which was repaired prior to station 117.

For each station, we also present tabulations of selected parameters at standard depths. Header information for each station includes:

STA NO	Consecutive station number
LAT	Latitude in degrees and minutes north of the equator
LONG	Longitude in degrees and minutes west of the Greenwich meridian
DATE	Day, Month, Year
TIME	Universal Time (Greenwich Mean Time)
PROBE	Serial number of the CTD probe
DEPTH	Sonic depth in meters, corrected according to Matthews Tables.

The data table for each station gives values of temperature in °C (TEMP), practical salinity (SAL), potential temperature (POTEN TEMP), density anomaly in kg/m^3 (SIGMA THETA), specific volume anomaly in $10^{-8} \text{ m}^3/\text{kg}$ (SVA),

geopotential anomaly (dynamic height, DELD) in dynamic meters, light transmission (TRN) in percent, and fluorescence (FL) in volts.

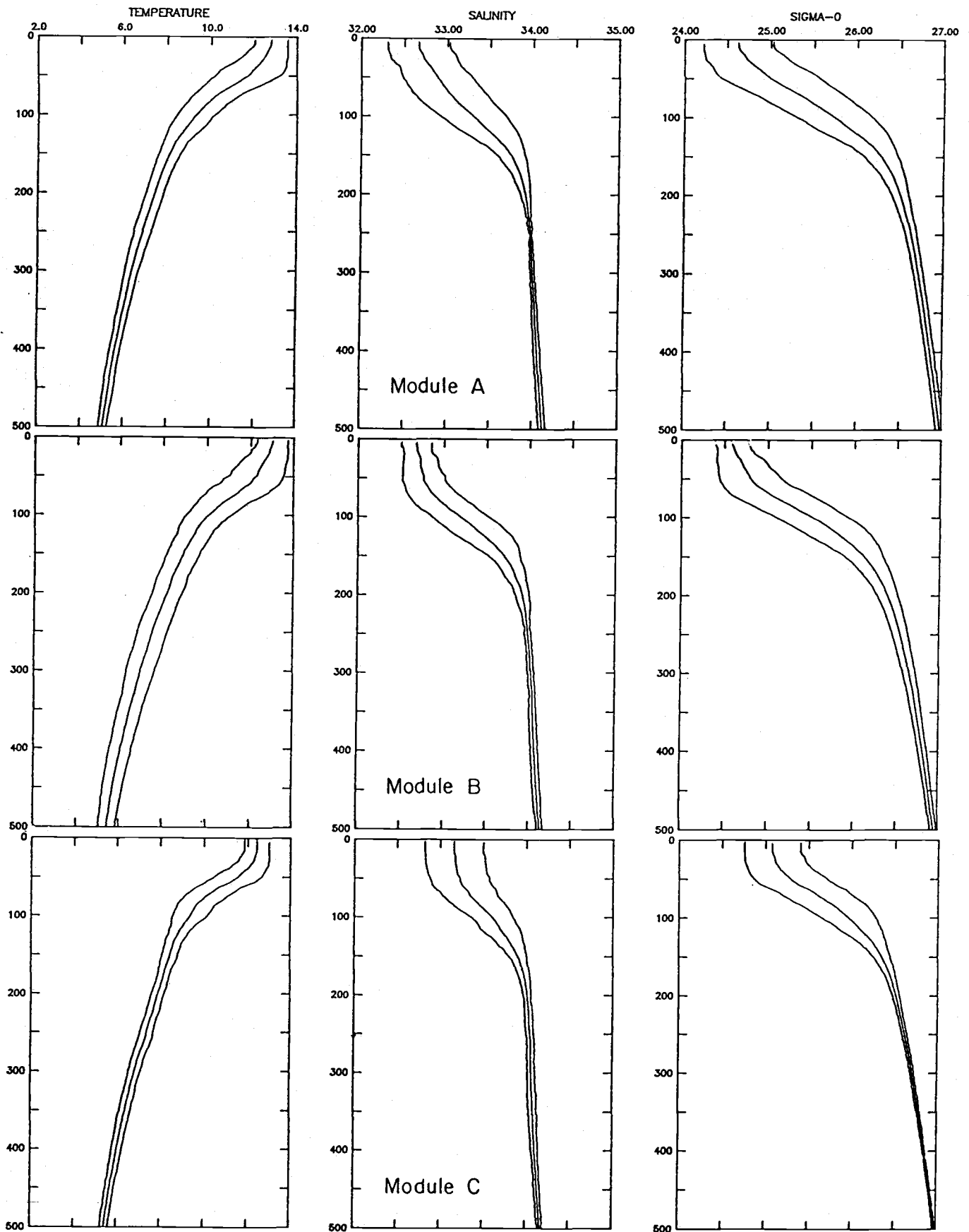


Figure 5. Overall averages, and the average plus and minus the standard deviation of temperature, salinity and potential density anomaly, calculated and displayed as a function of pressure for modules A, B and C (see Figure 1).

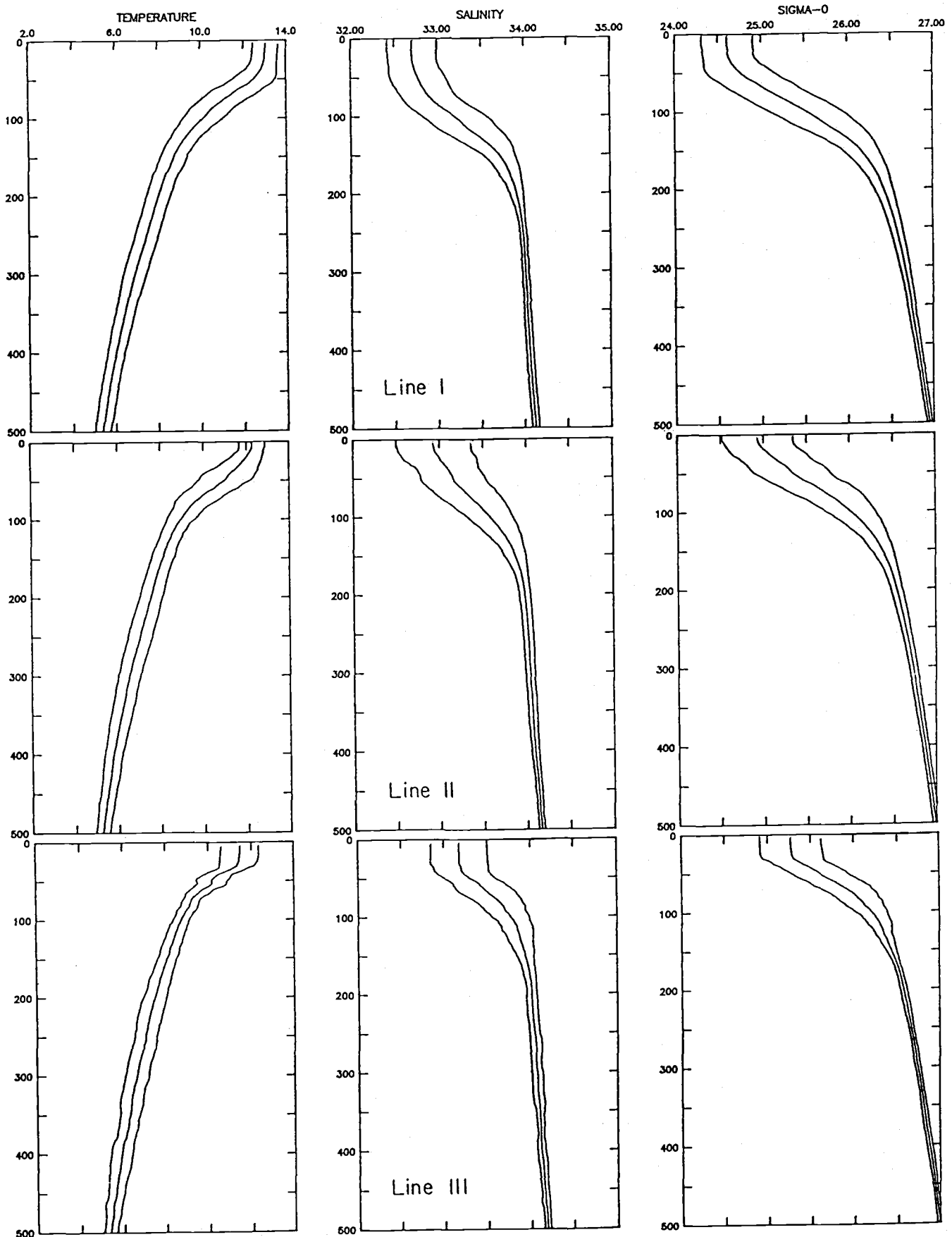


Figure 6. Overall averages, and the average plus and minus the standard deviation of temperature, salinity and potential density anomaly, calculated and displayed as a function of pressure for lines I, II and III (see Figure 1).

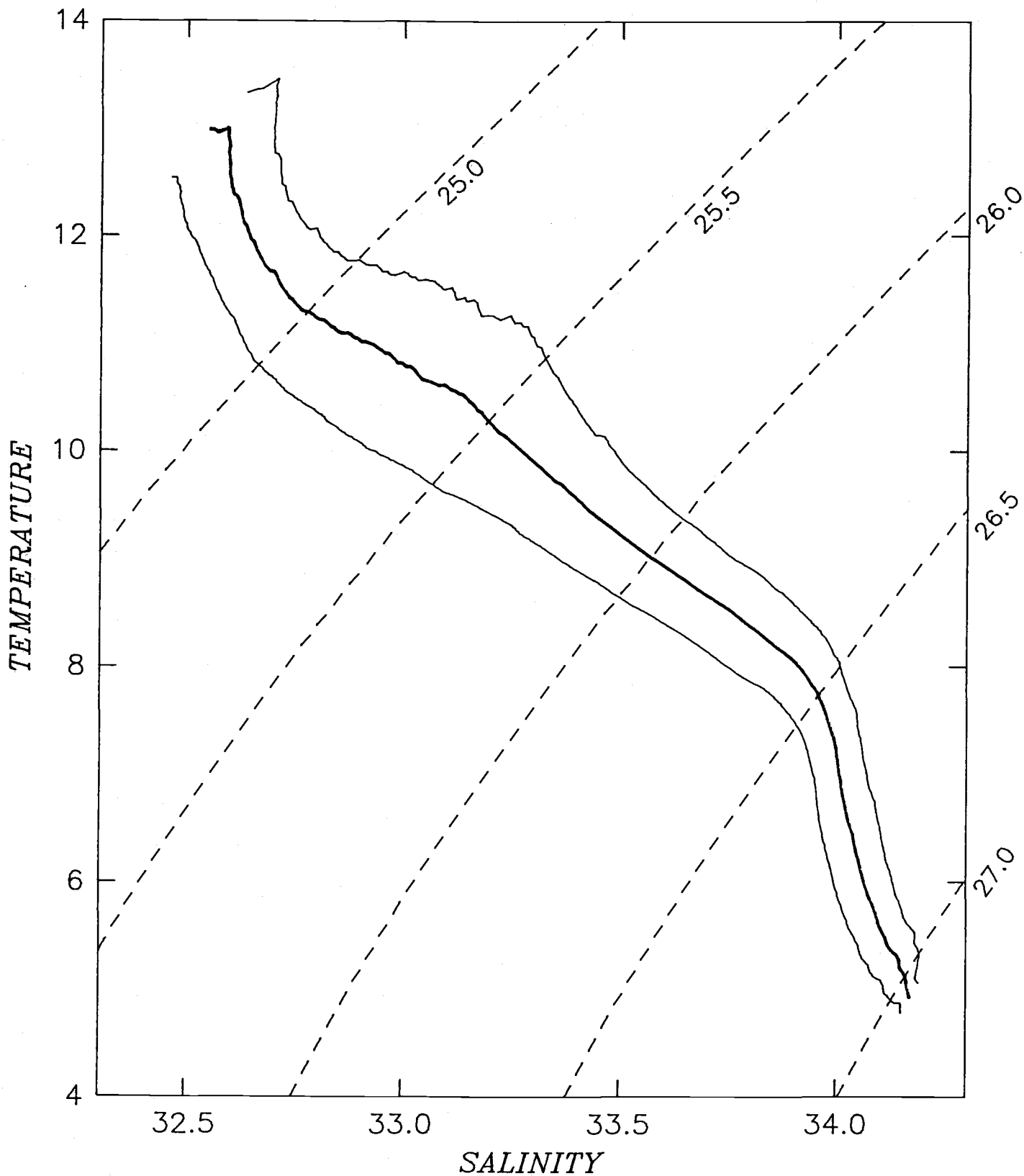


Figure 7. Average potential T-S curve calculated from stations 1-126, and the average plus and minus the standard deviations of temperature and salinity, calculated as a function of sigma-theta (intervals of 0.01 kg/m^3), and shown only for the density range covered by at least 10 stations. Dashed curves are lines of constant sigma-theta.

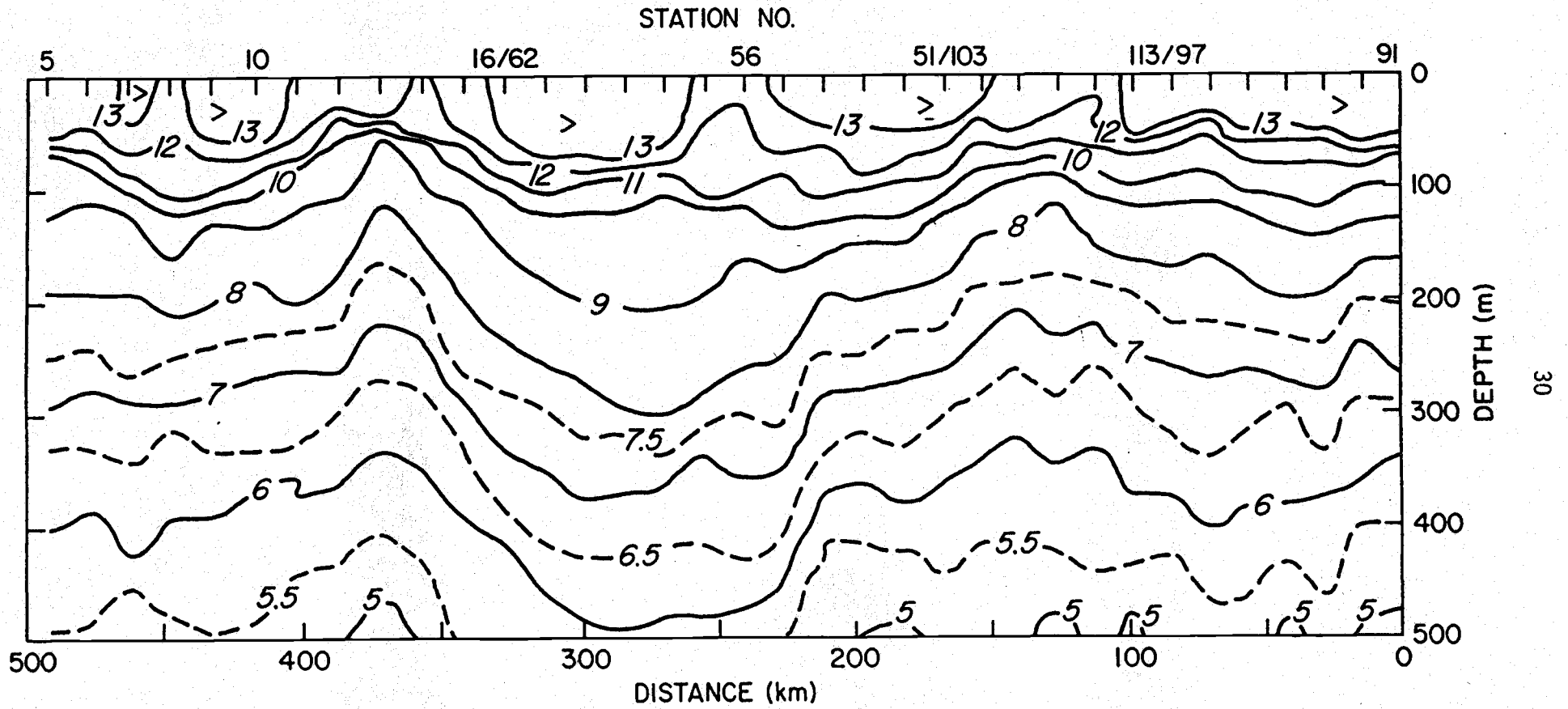
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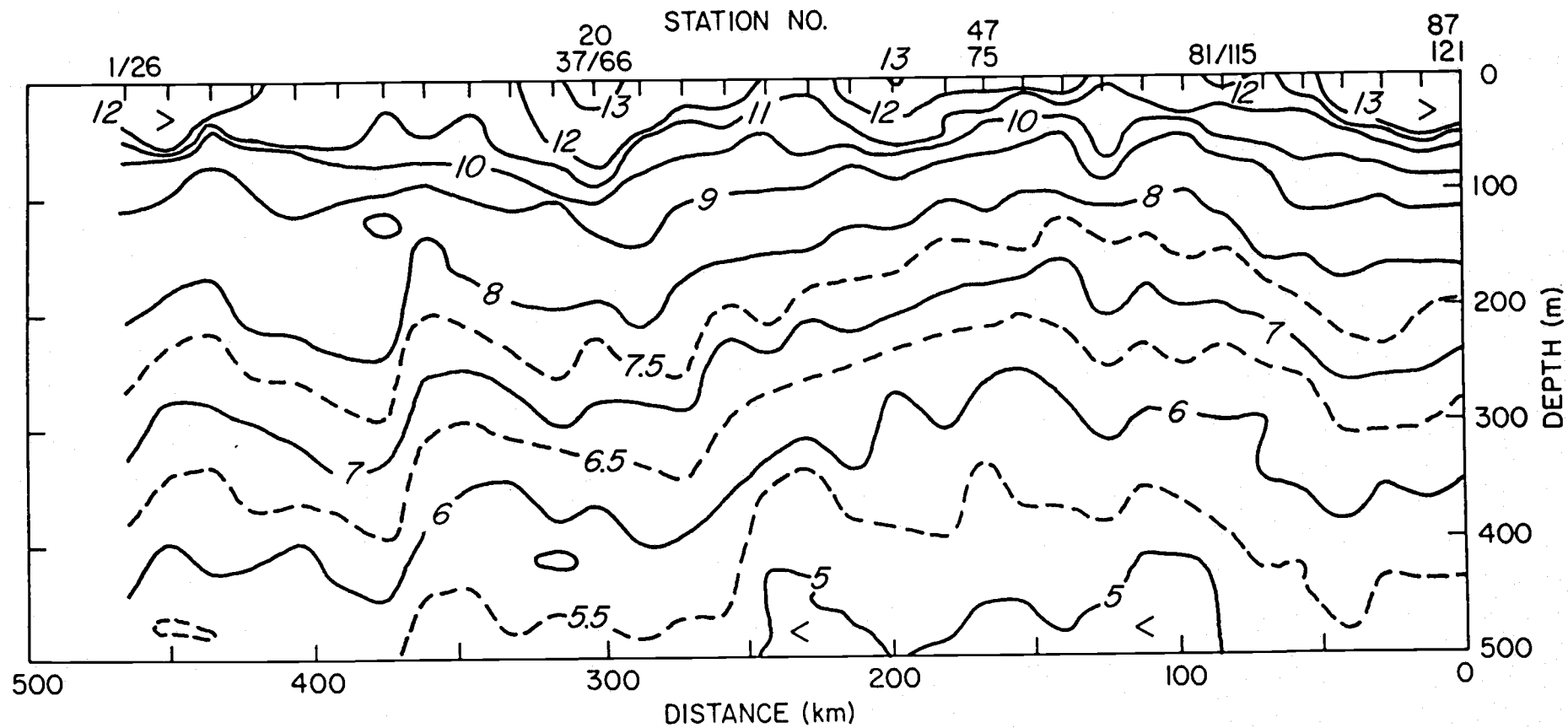
UNESCO, 1981. Tenth report on the joint panel on oceanographic tables and standards, Sidney, B.C., Canada, 1-5 September 1980, sponsored by UNESCO, ICES, SCOR, IAPSO. UNESCO Technical Papers in Marine Science, 36, 23 pp.

Vertical Sections

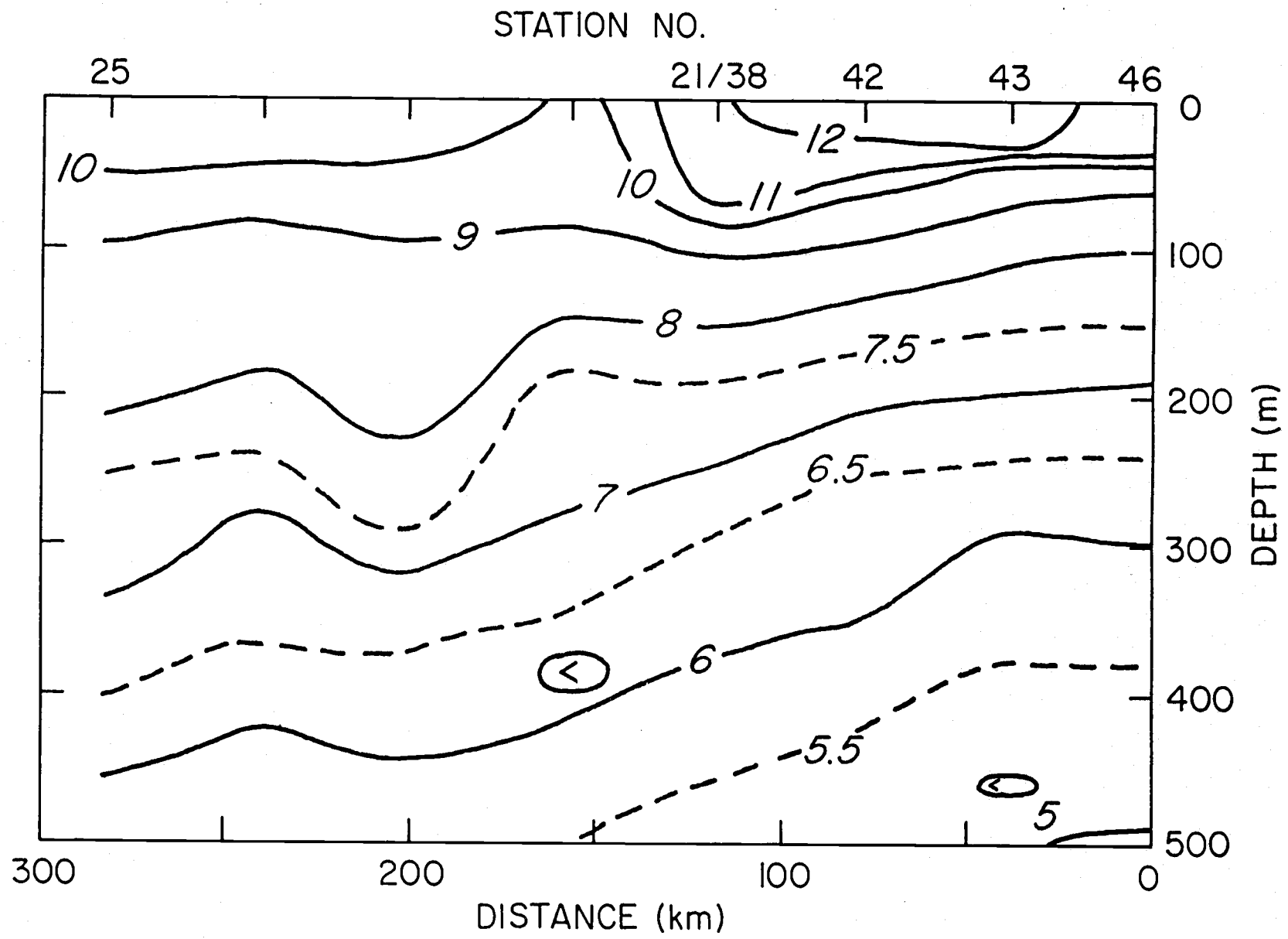
Alongshore



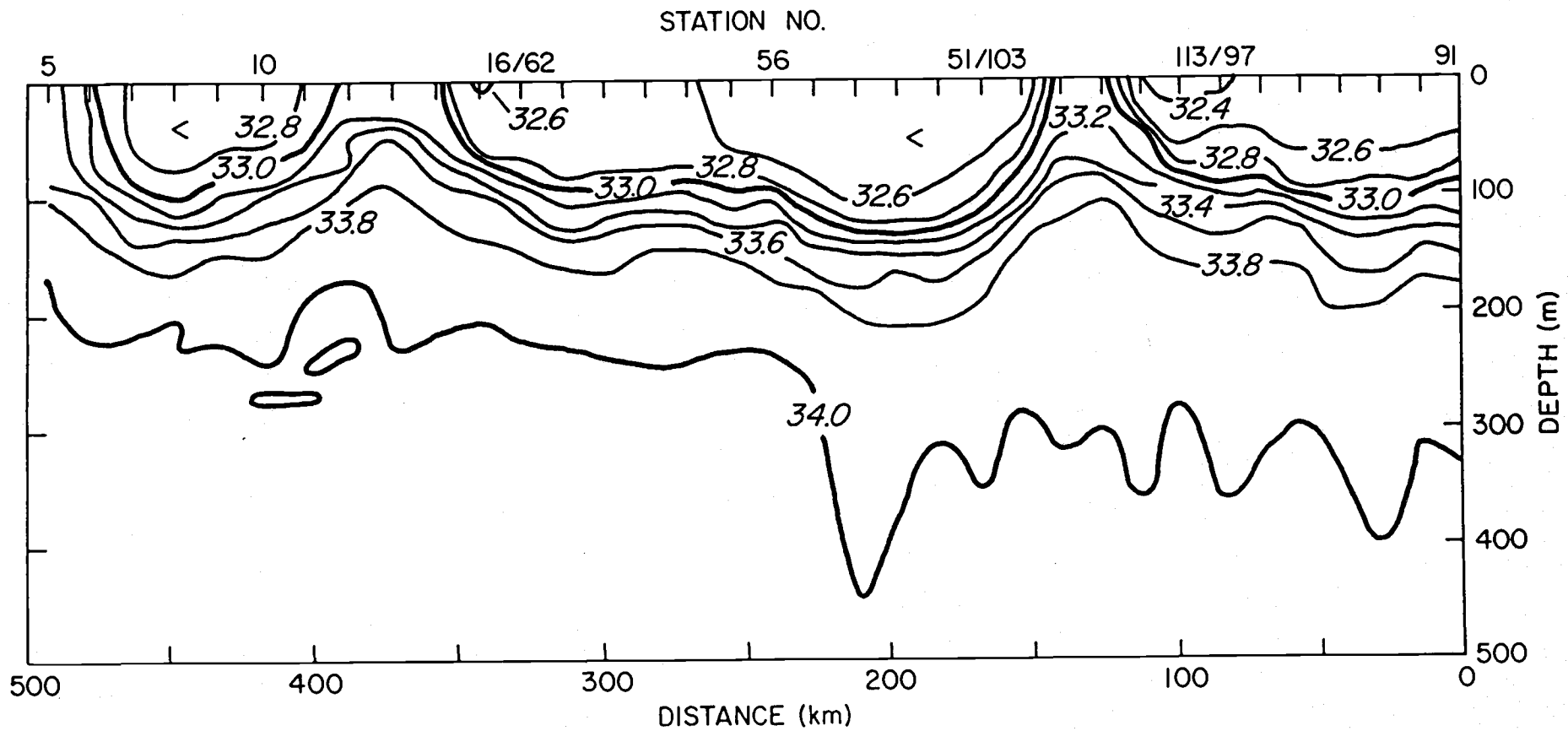
Temperature (°C) Line I 10-16 June 1987



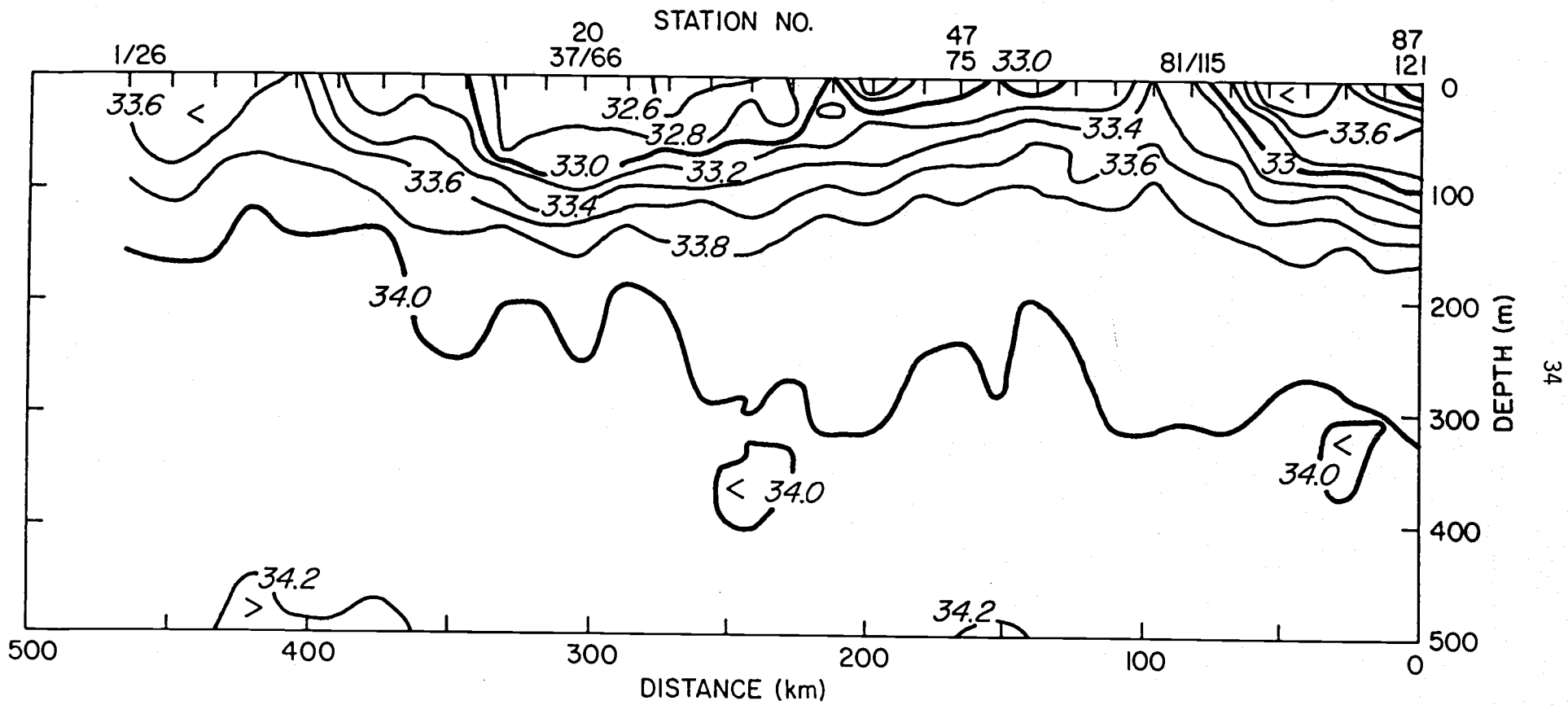
Temperature(°C) Line II 12-17 June 1987



Temperature (°C) Line III 11-13 June 1987



Salinity Line I 10-16 June 1987



Salinity Line II 12-17 June 1987

STATION NO.

25

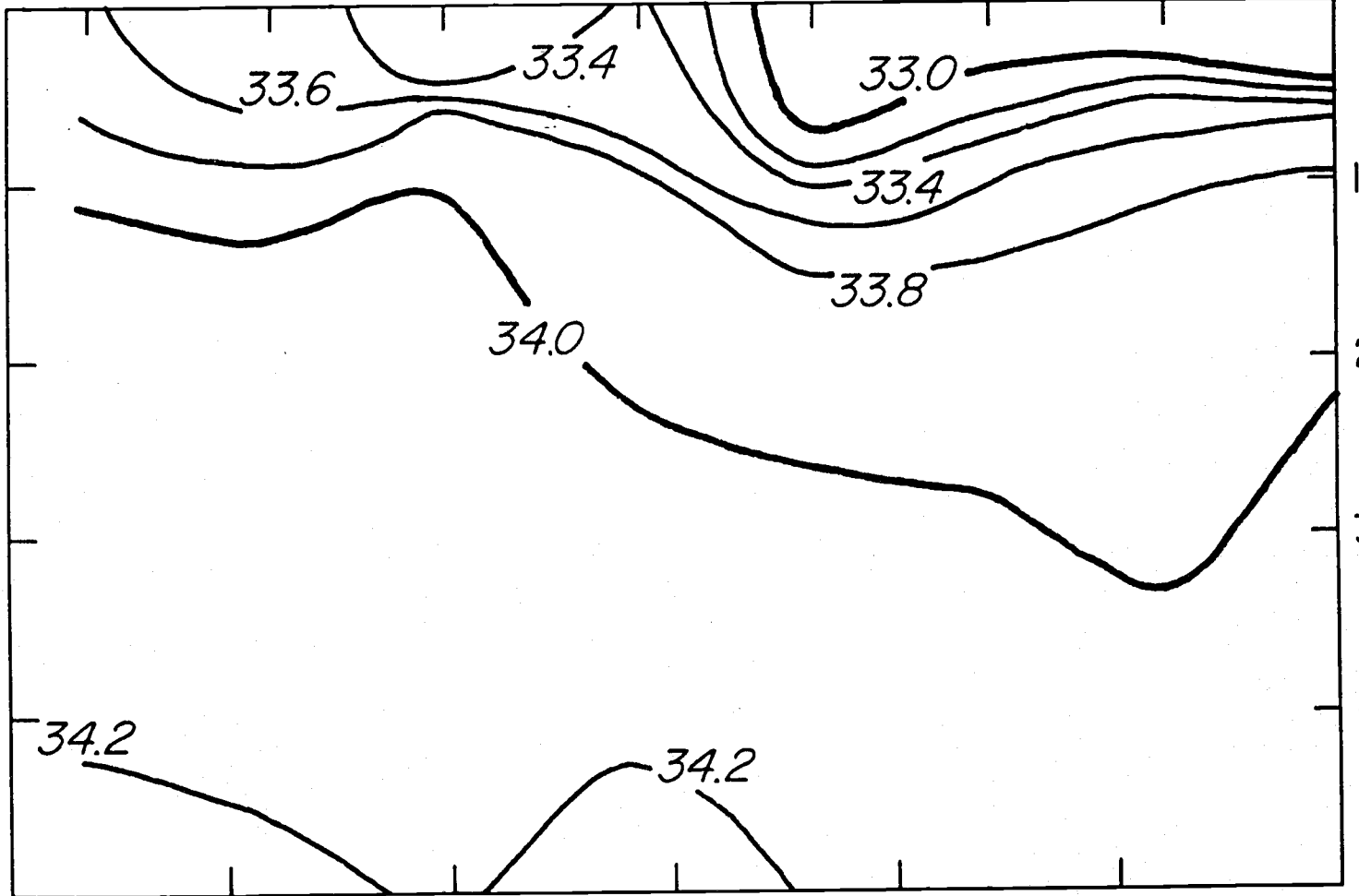
21/38

42

43

46

0



33.6

33.4

33.0

33.4

33.8

34.0

34.2

34.2

100

200

300

400

500

300

200

100

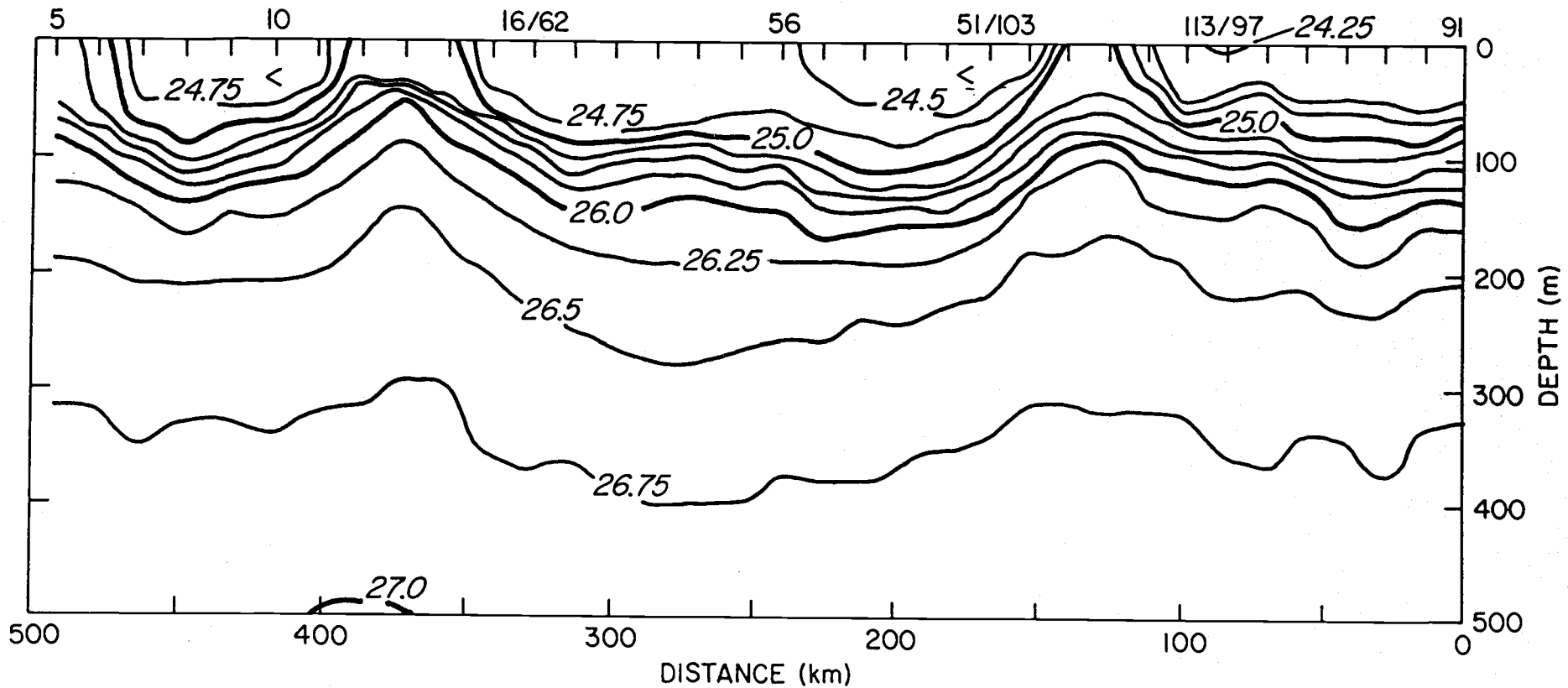
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DISTANCE (km)

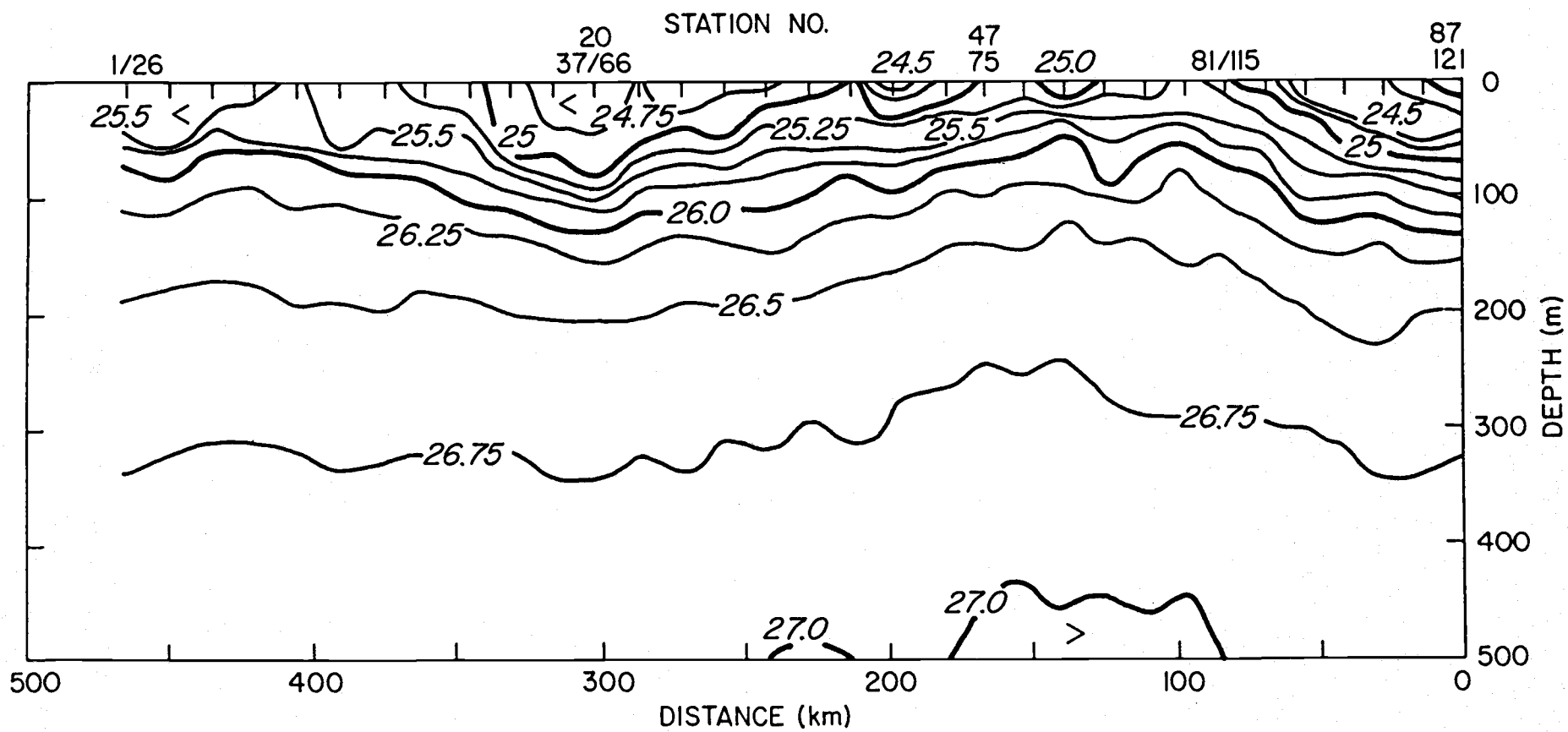
DEPTH (m)

Salinity Line III 11-13 June 1987

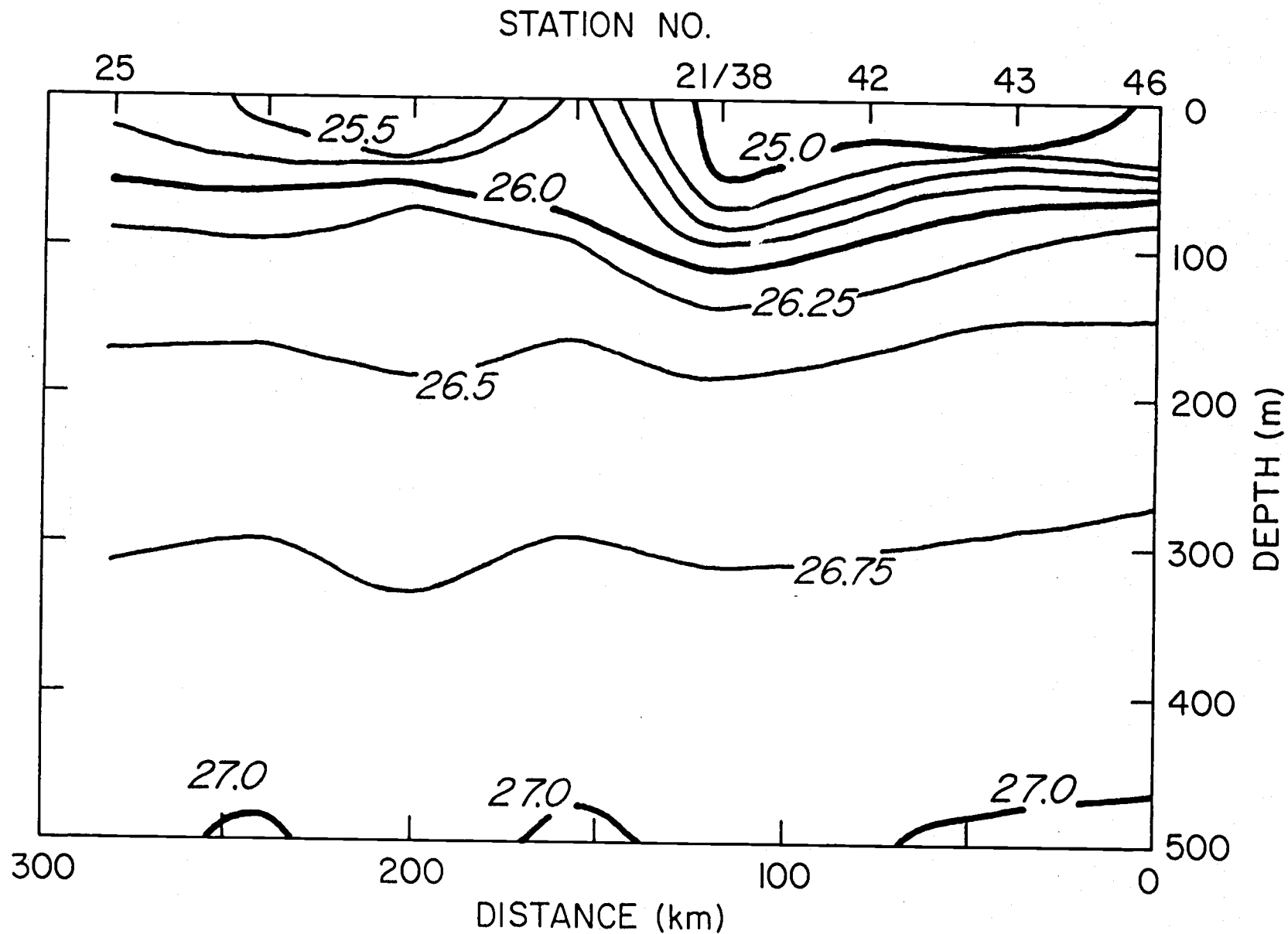
STATION NO.



Sigma- θ Line I 10-16 June 1987



Sigma- θ Line II 12-17 June 1987

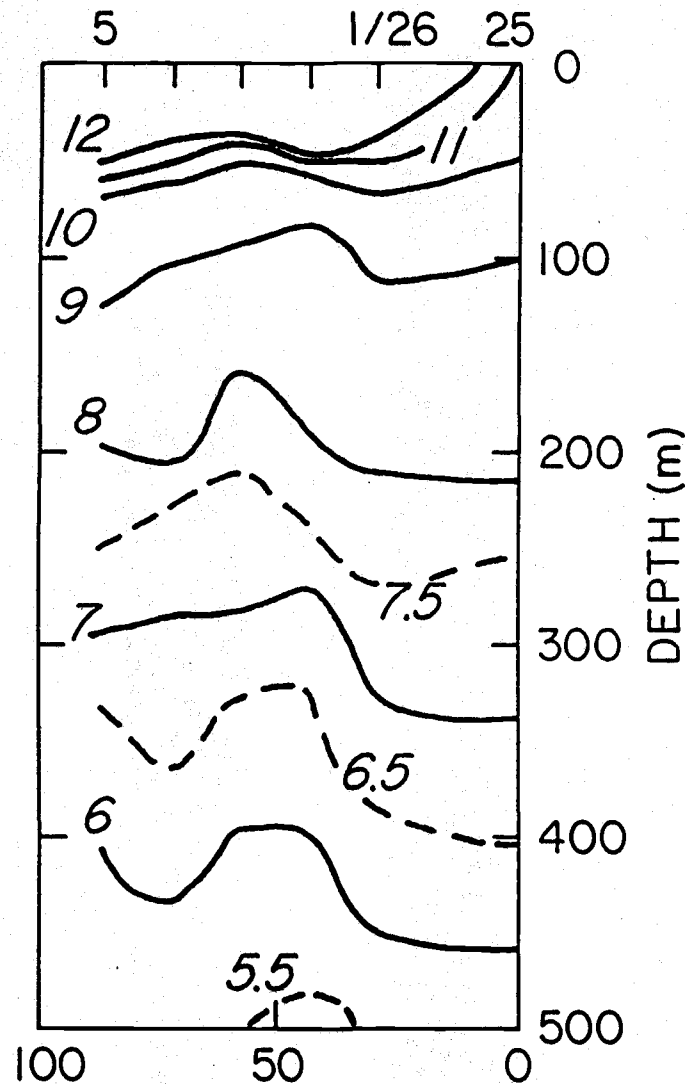


Sigma- θ Line III 11-13 June 1987

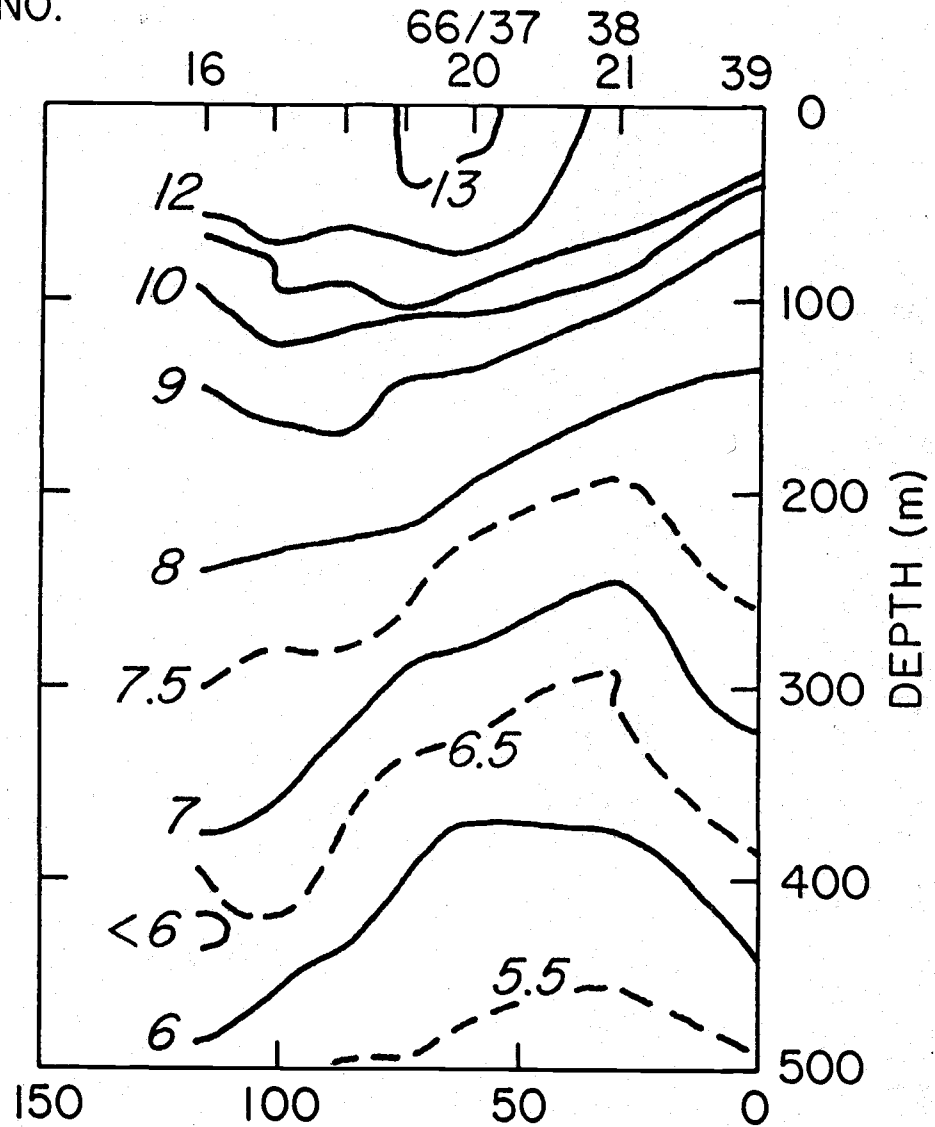
Vertical Sections

Cross-shore

STATION NO.



DISTANCE (km)
(37° 23' - 37° 45' N.)
T (°C) 9-12 June 1987



DISTANCE (km)
(38° 43' - 39° 12' N.)
T (°C) 11-12 June 1987

STATION NO.

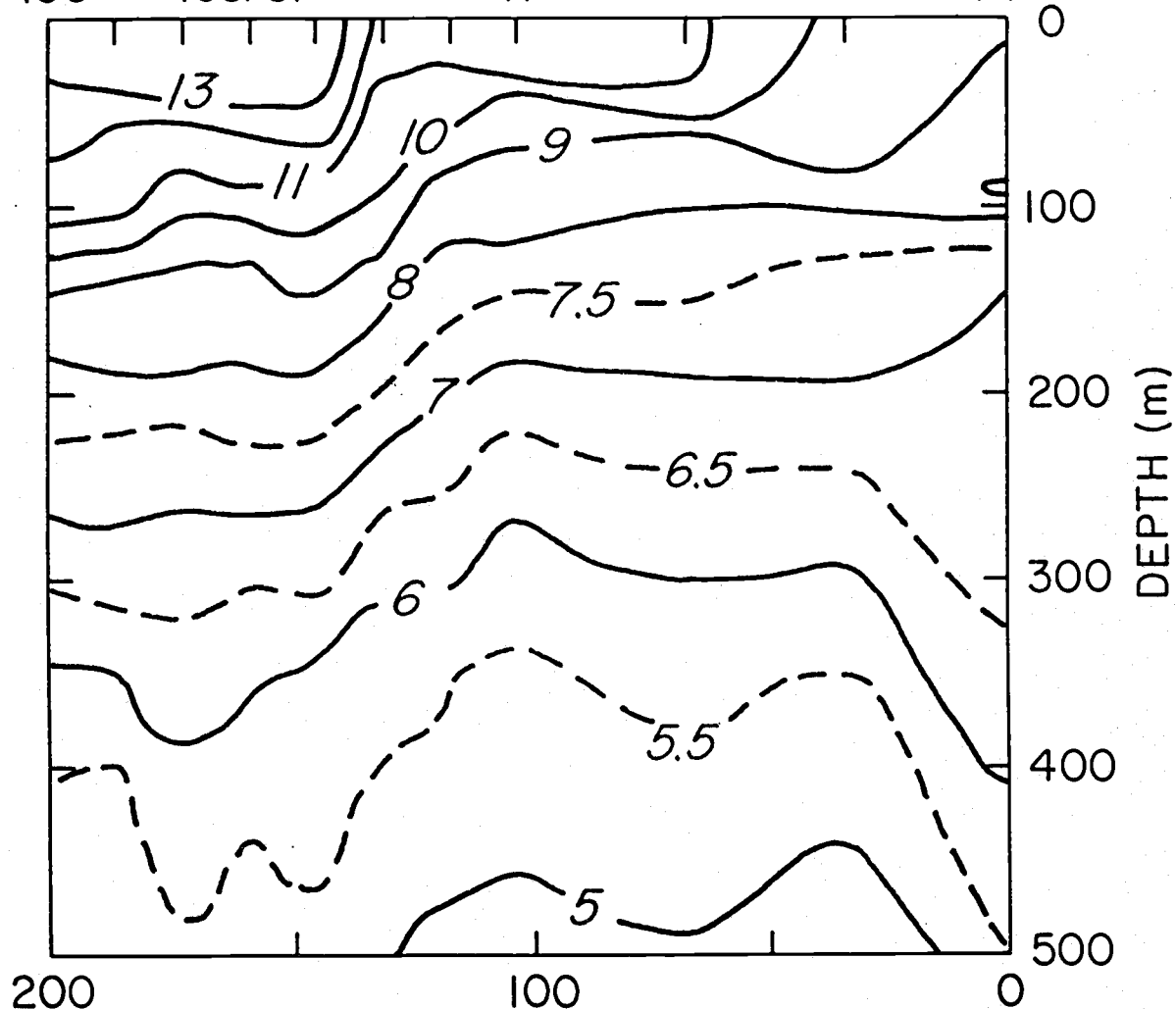
75

47

106

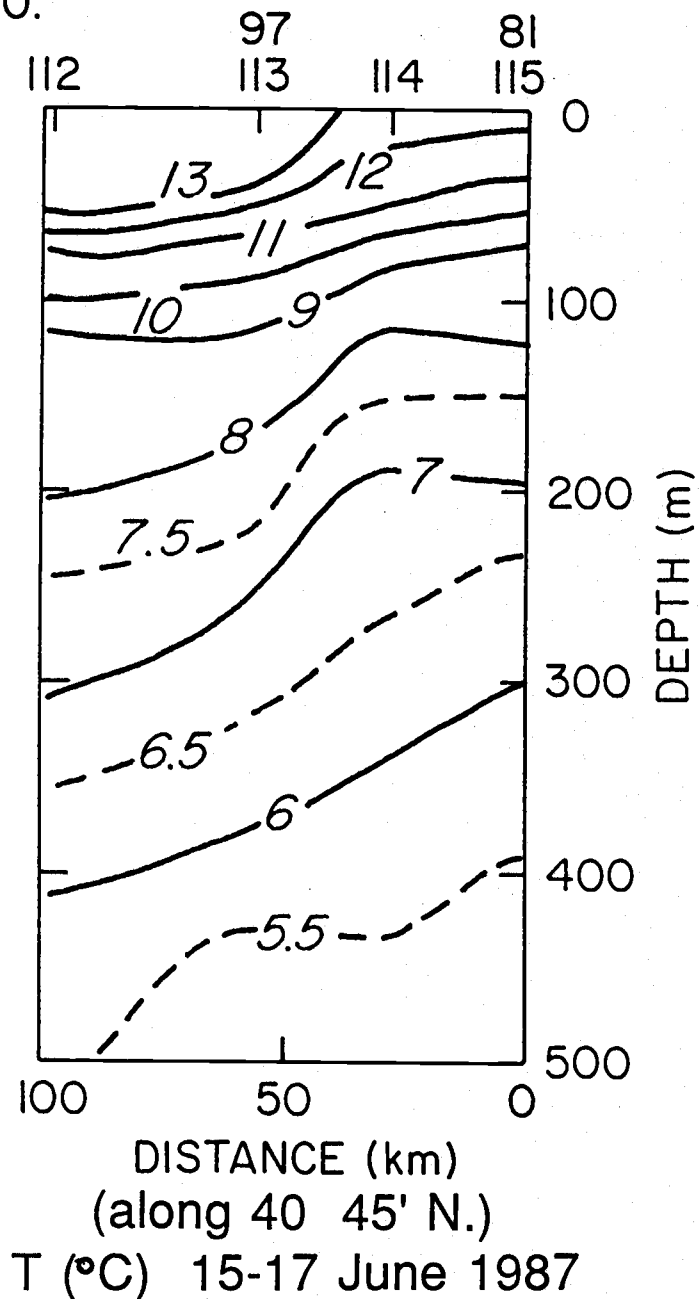
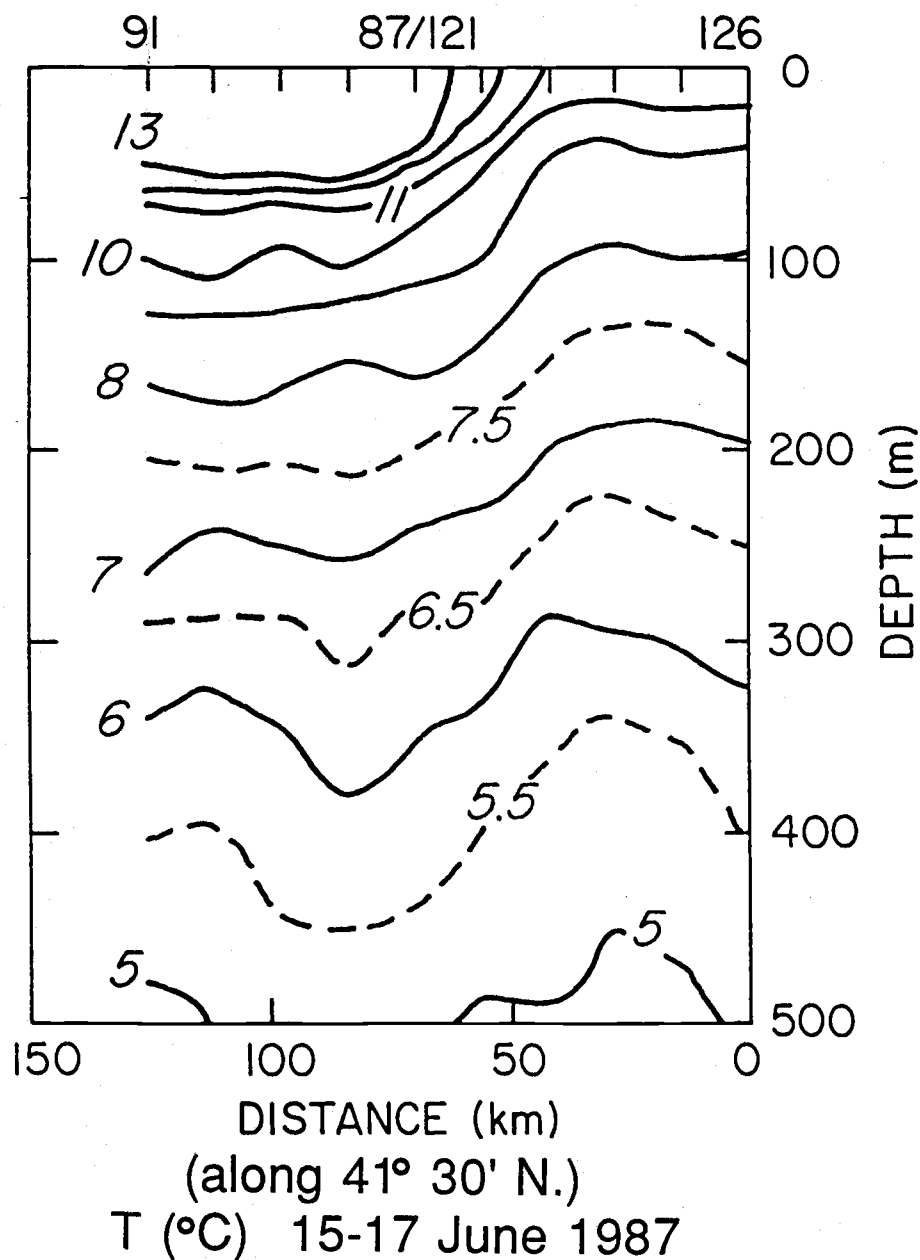
103/51

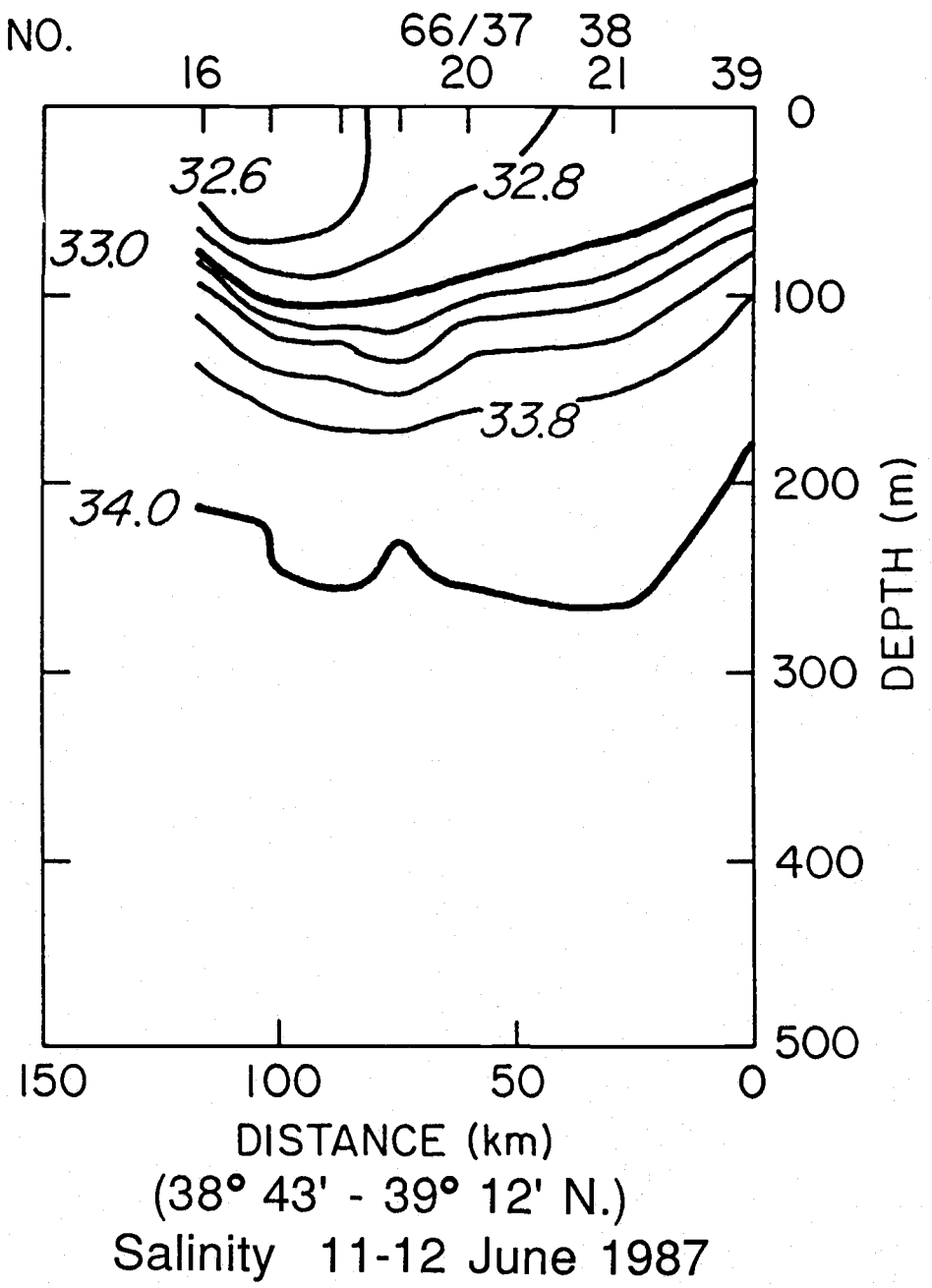
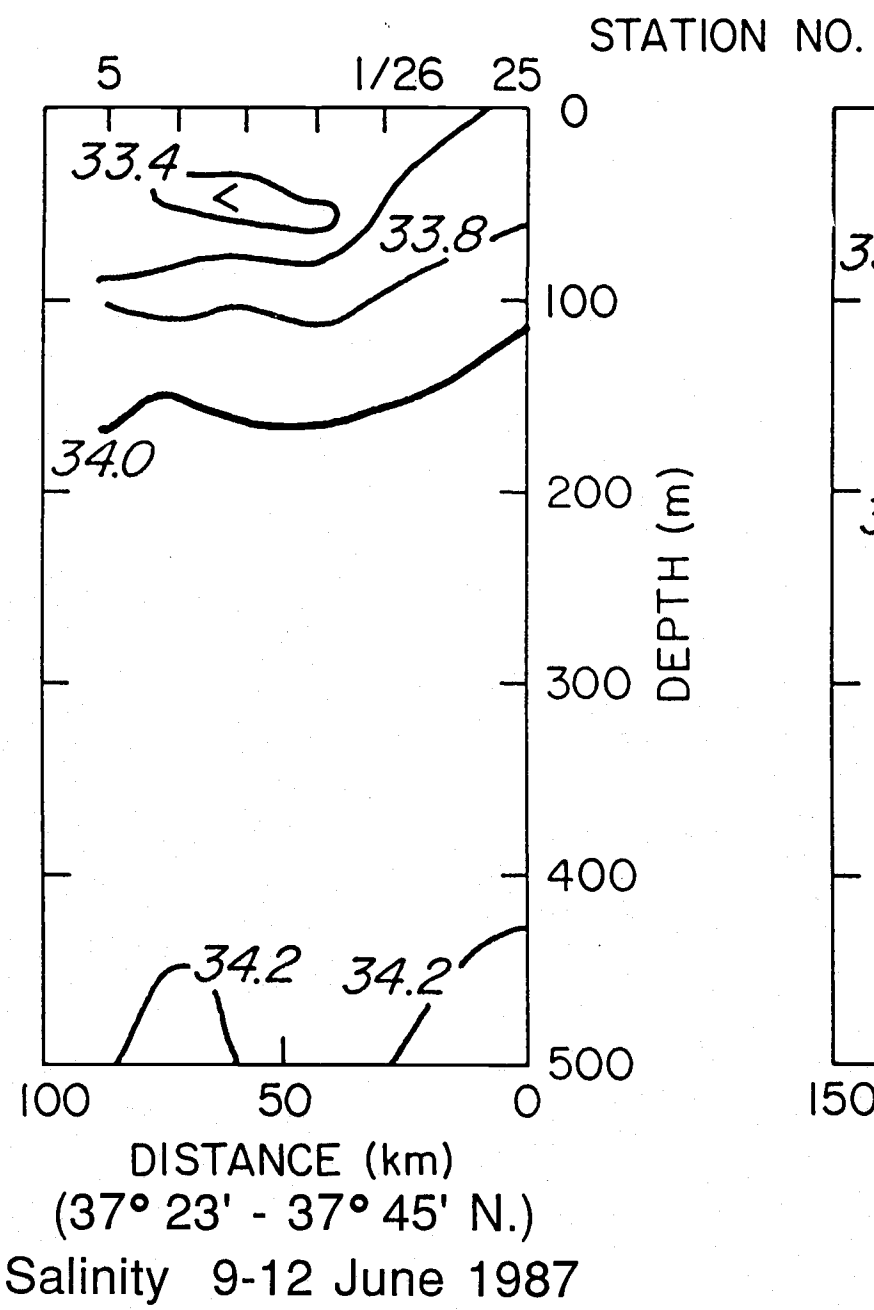
44

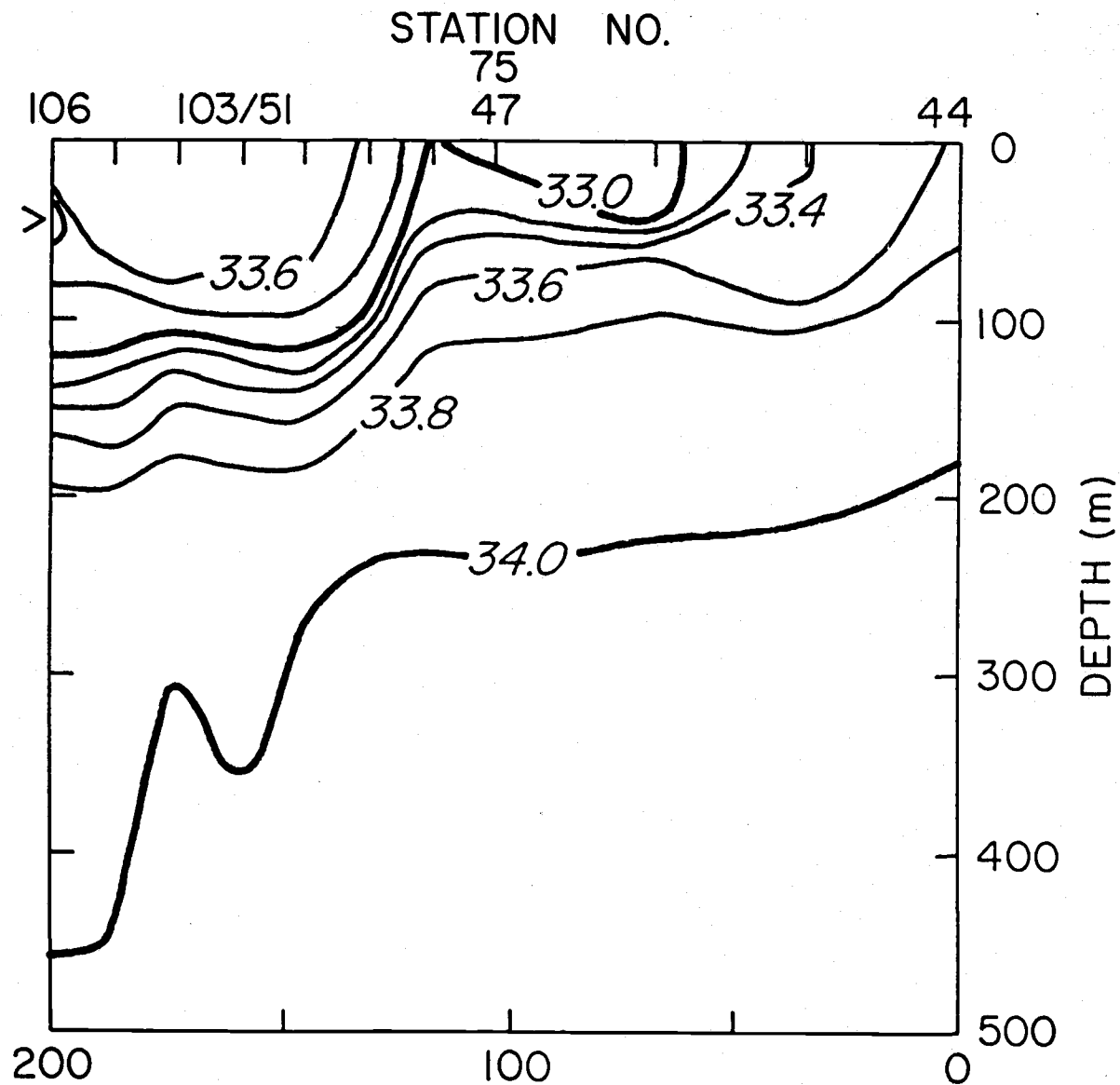


T (°C) 13-16 June 1987

STATION NO.

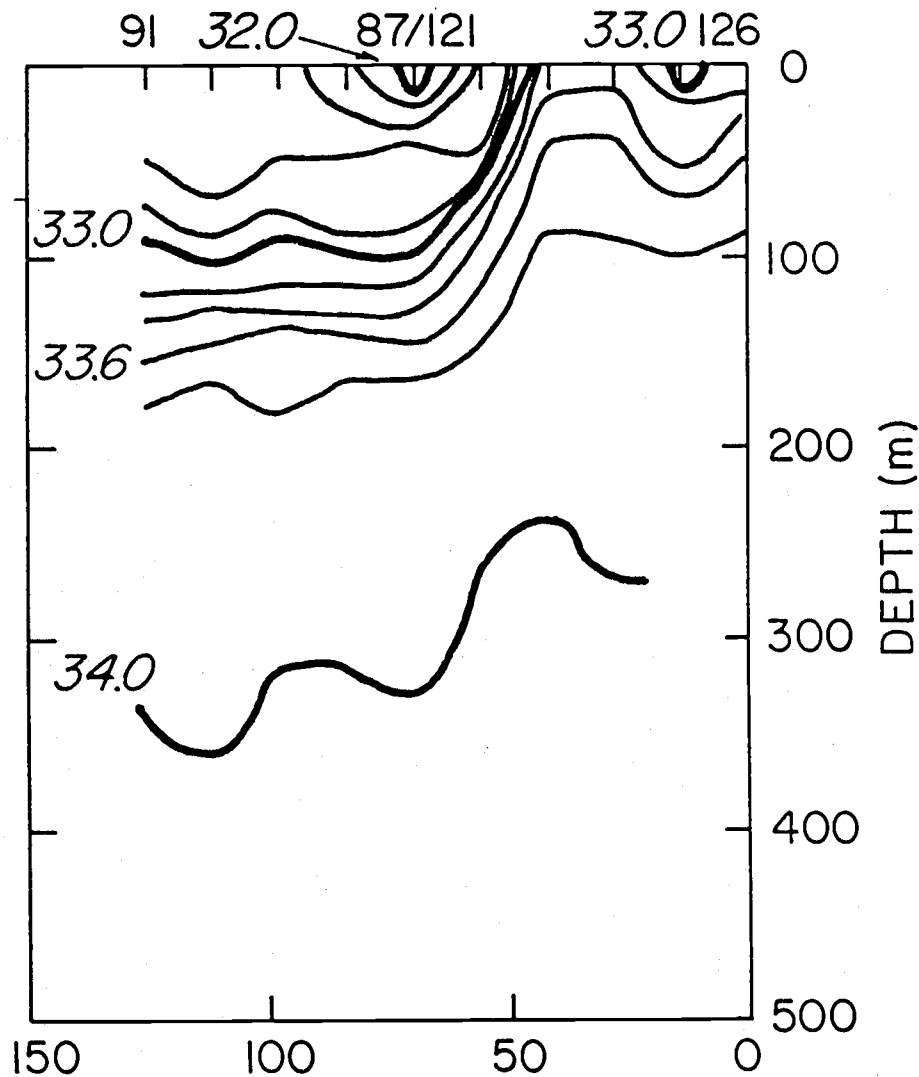




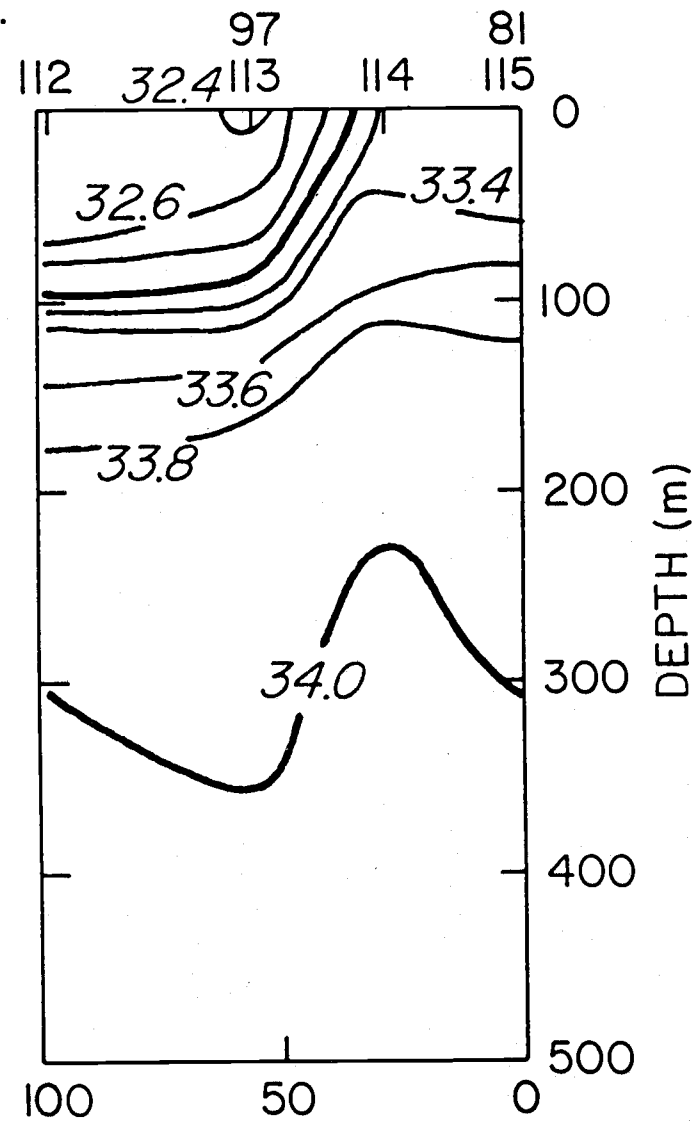


Salinity 13-16 June 1987

STATION NO.

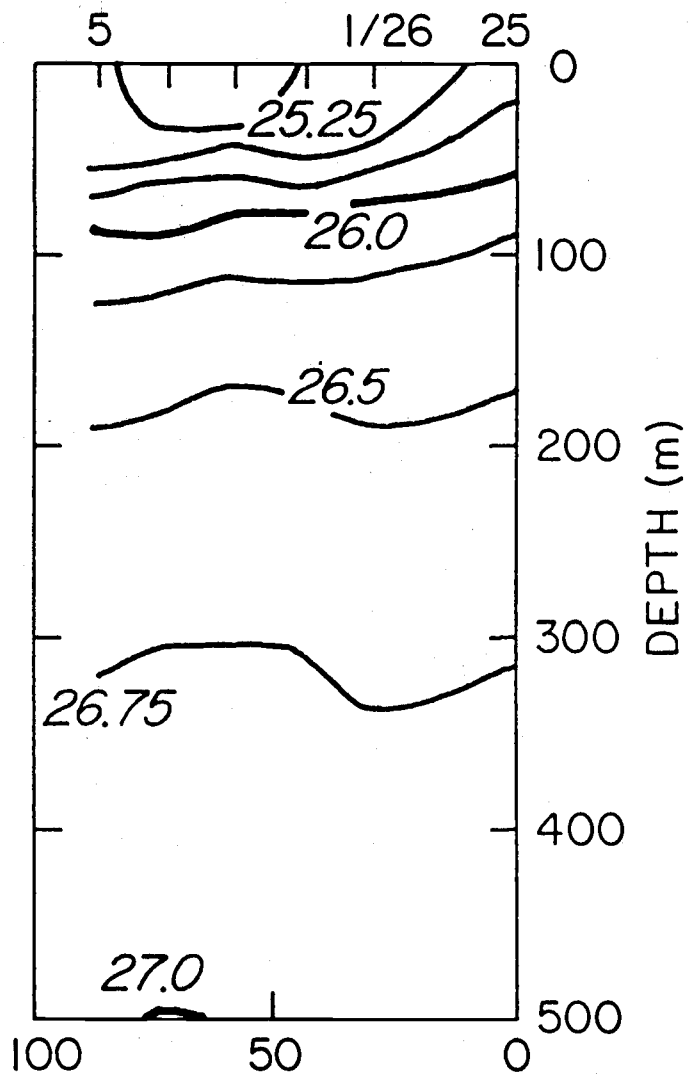


DISTANCE (km)
(along 41° 30' N.)
Salinity 15-17 June 1987

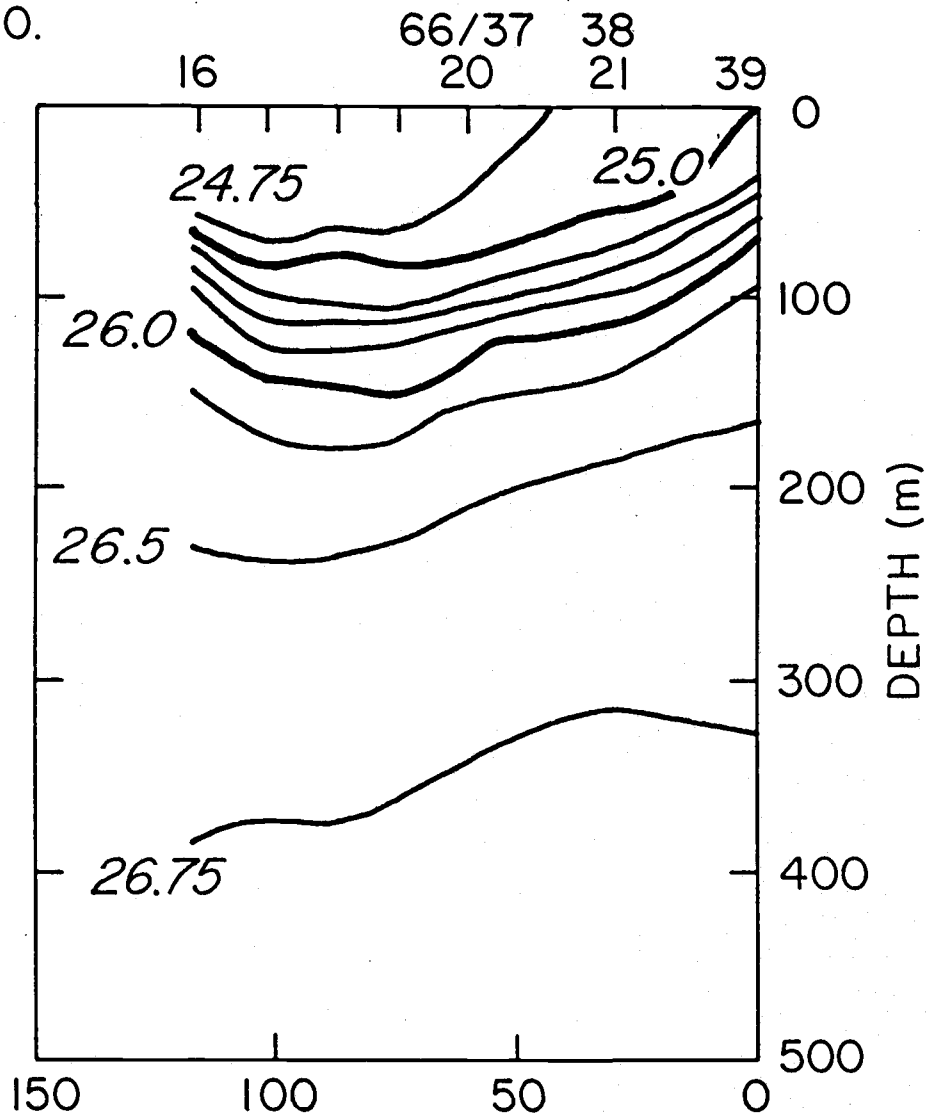


DISTANCE (km)
(along 40° 45' N.)
Salinity 15-17 June 1987

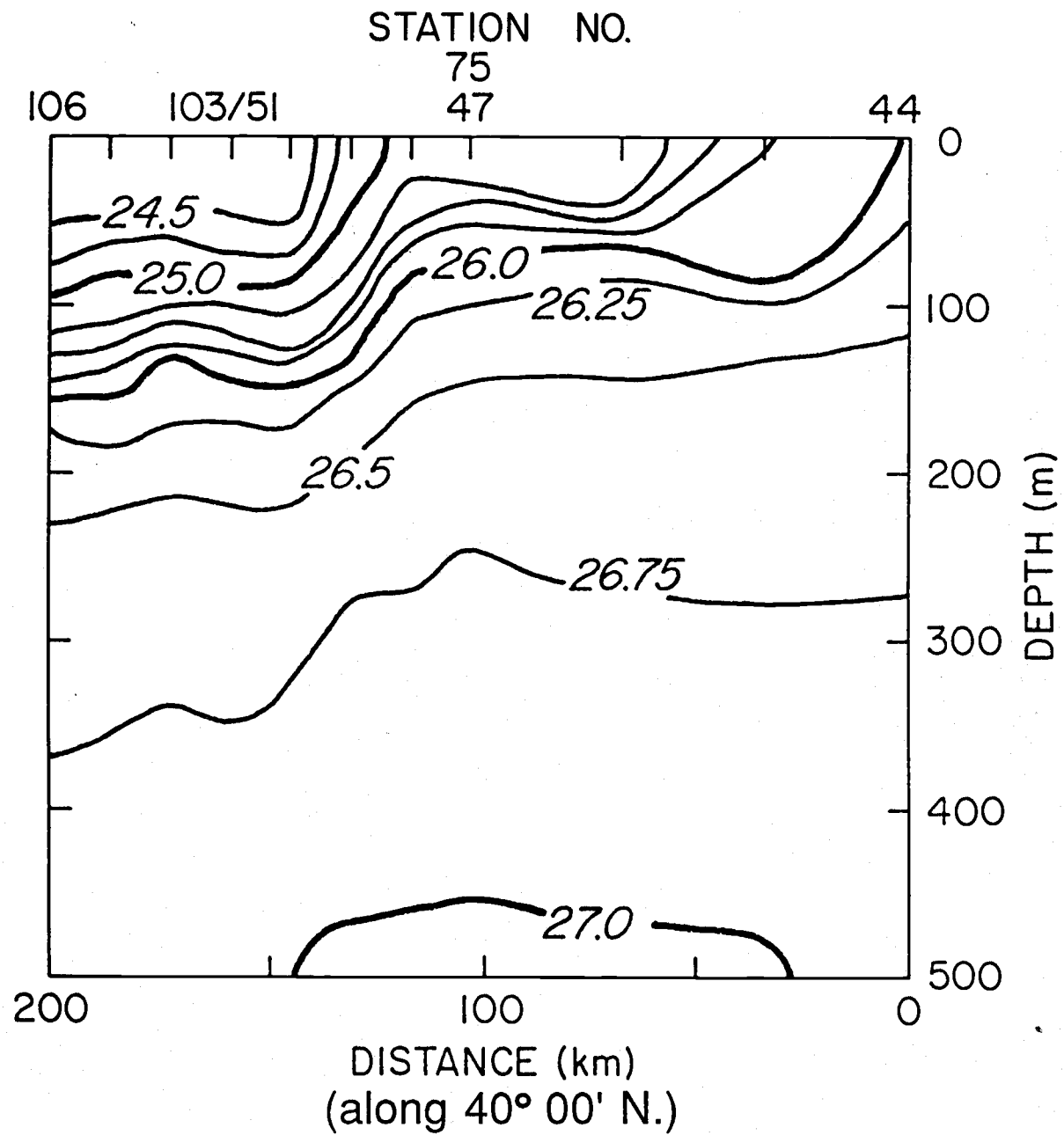
STATION NO.



(37° 23' - 37° 45' N.)
Sigma- Θ 9-12 June 1987

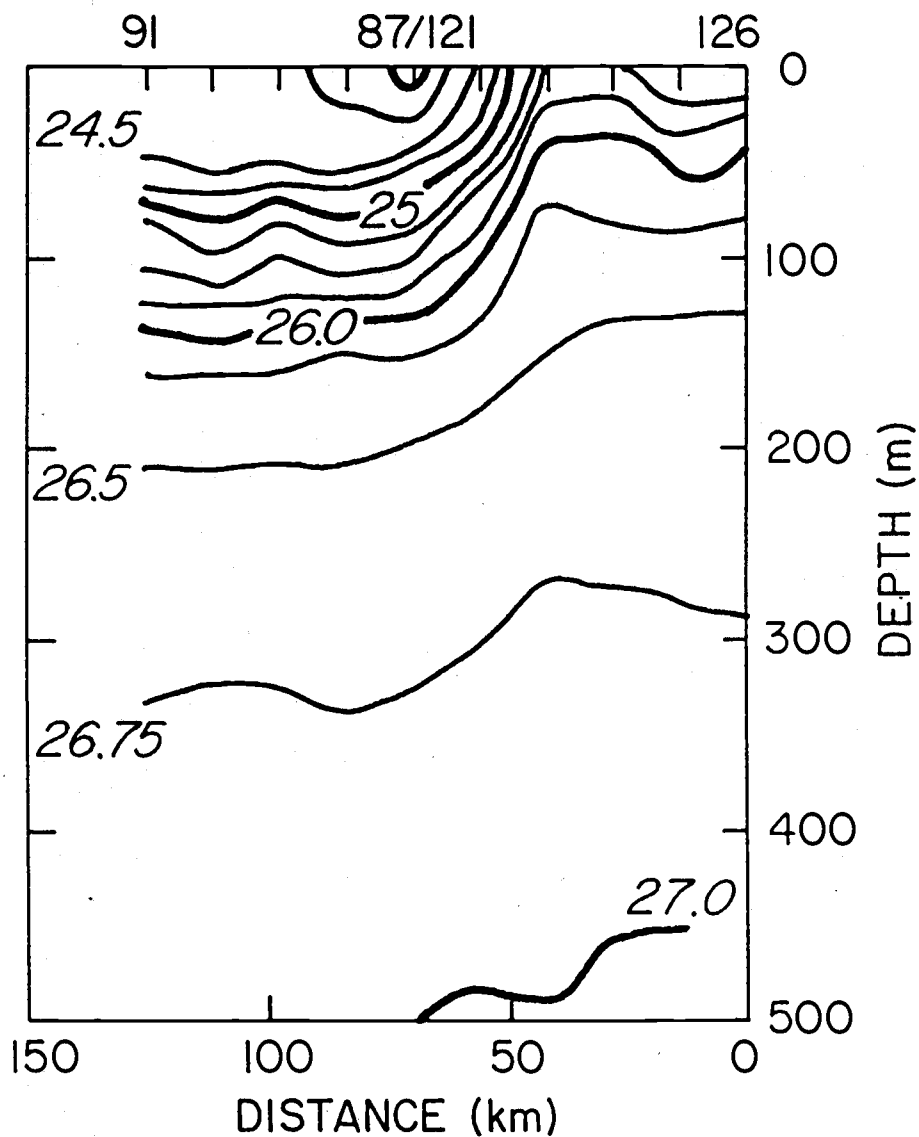


(38° 43' - 39° 12' N.)
Sigma- Θ 11-12 June 1987

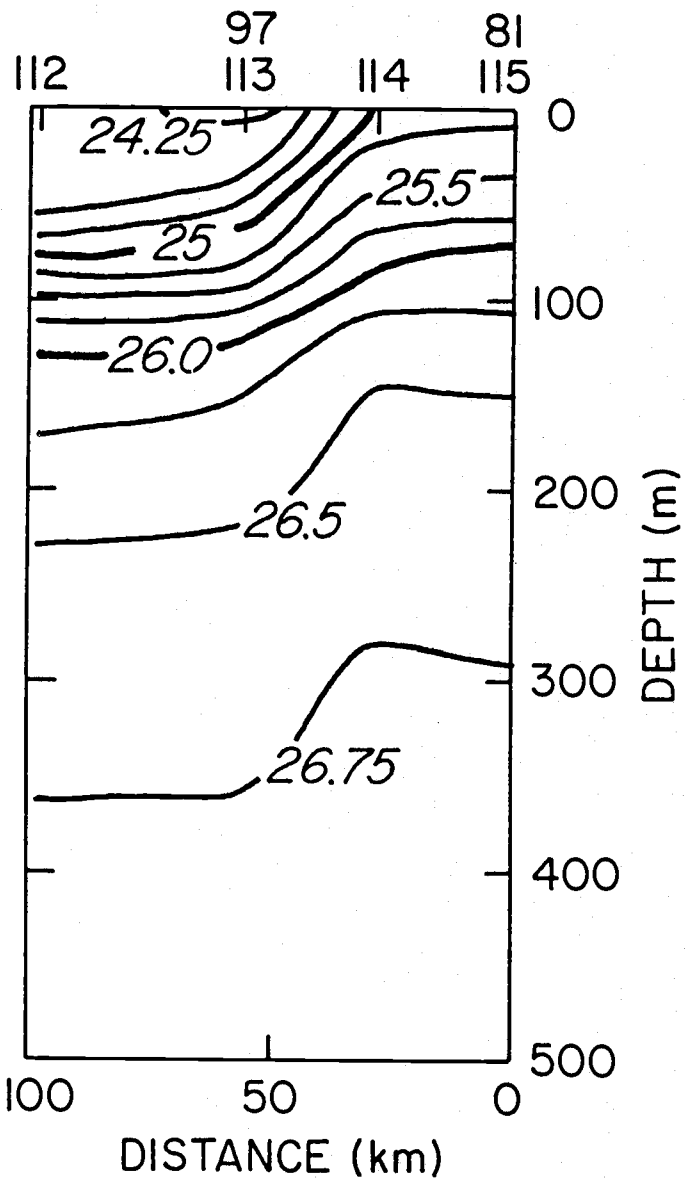


Sigma- Θ 13-16 June 1987

STATION NO.

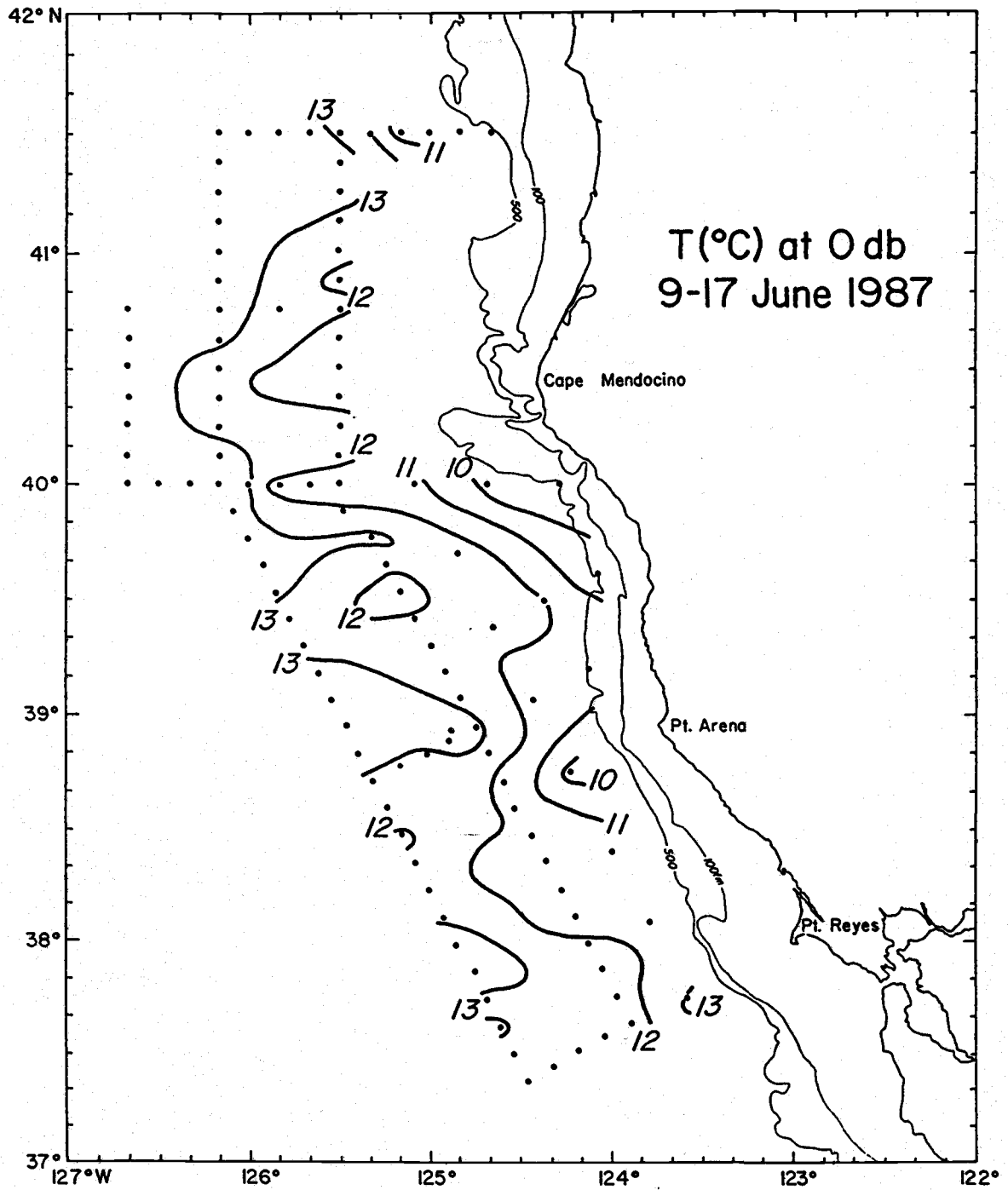


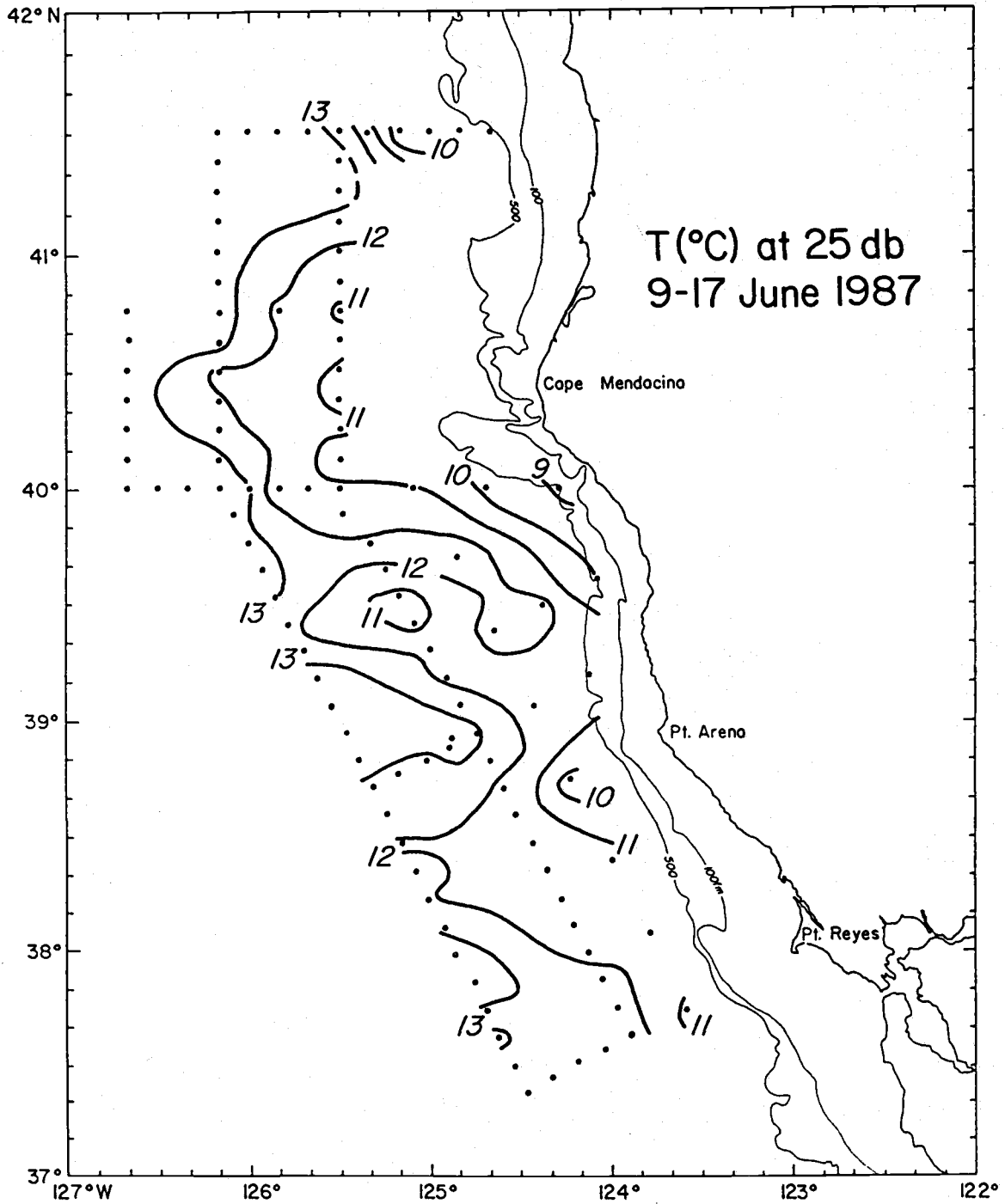
DISTANCE (km)
(along 41° 30' N.)
Sigma- Θ 15-17 June 1987

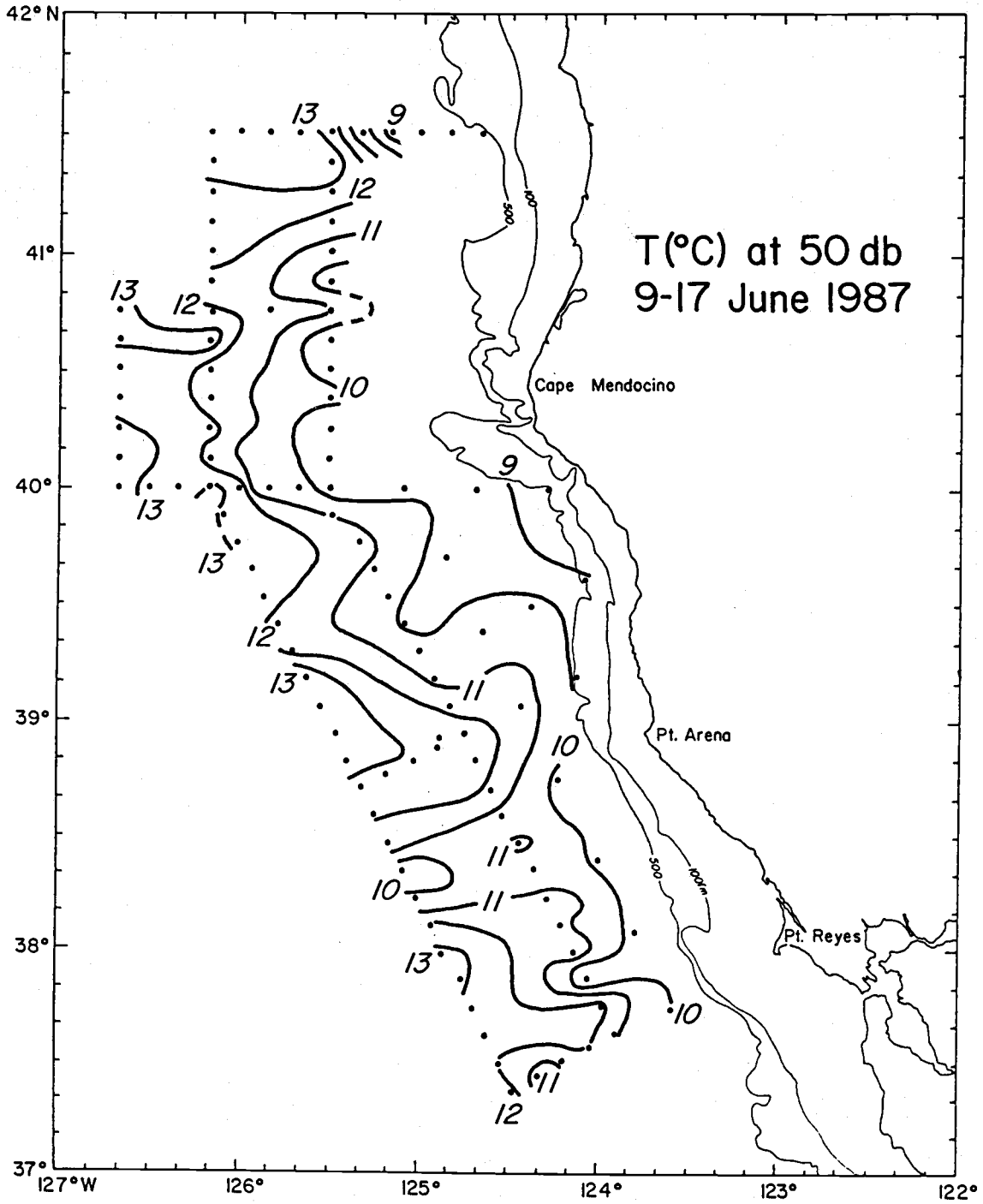


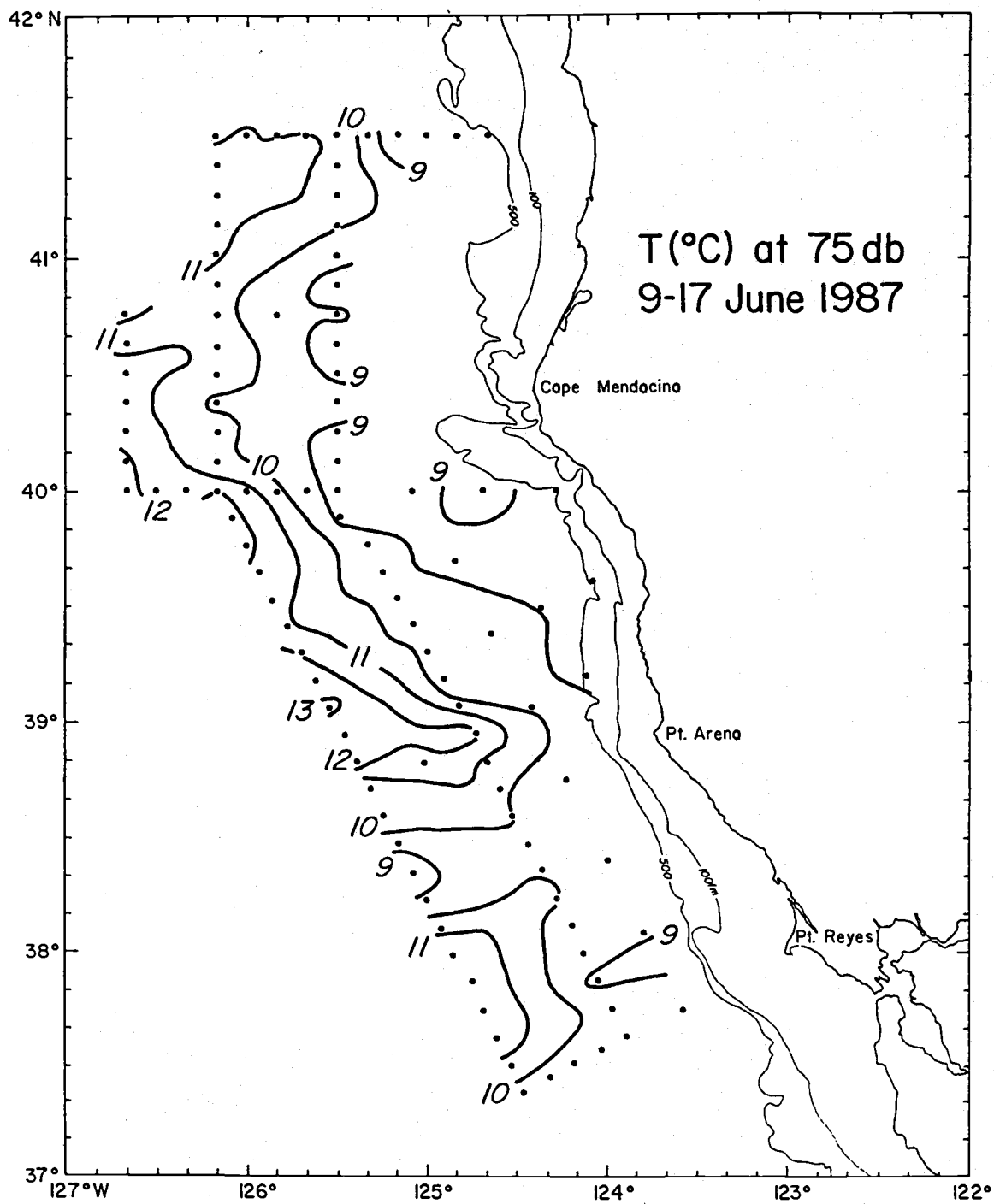
DISTANCE (km)
(along 40° 45' N.)
Sigma- Θ 15-17 June 1987

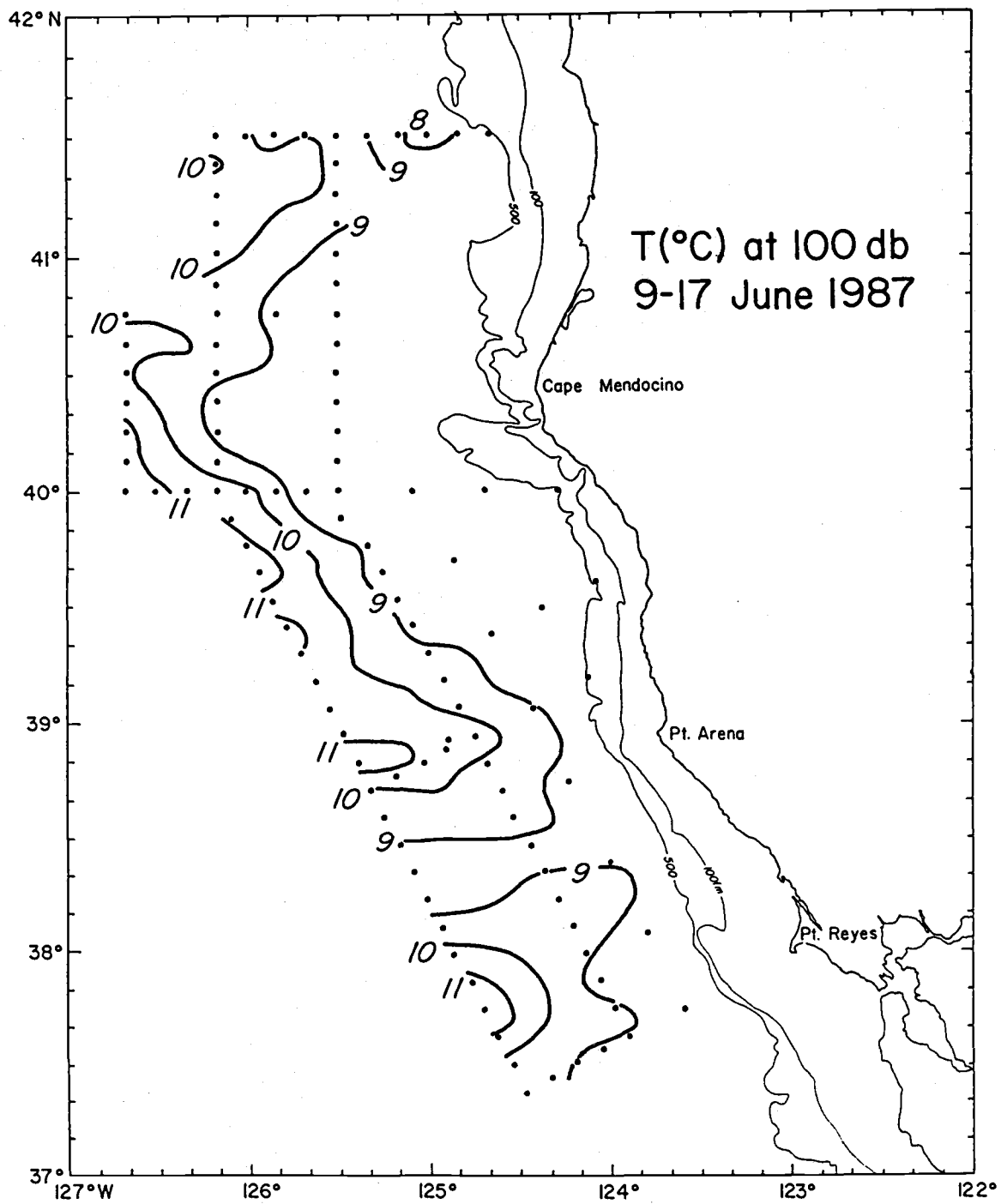
Maps at Selected Depths

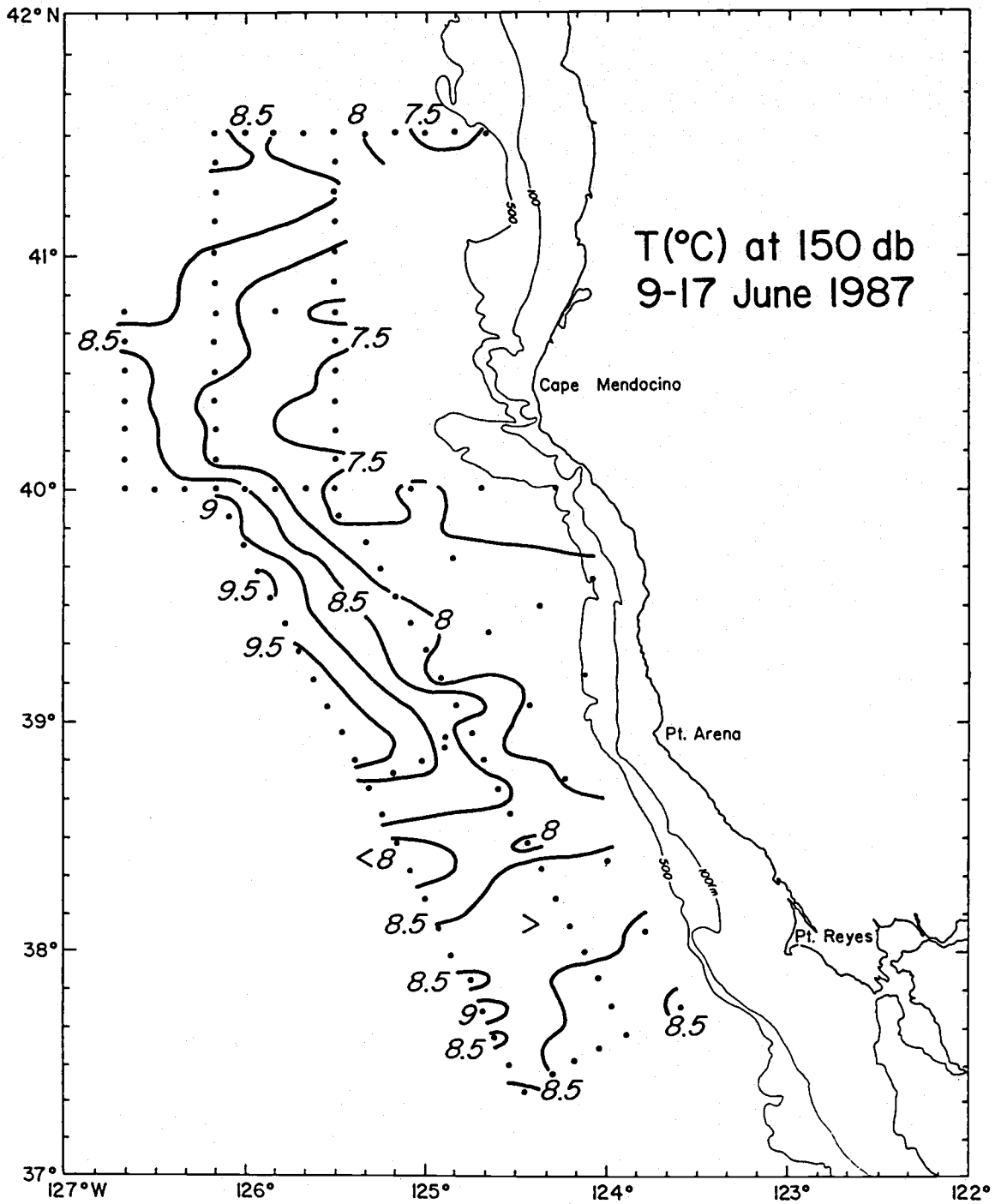


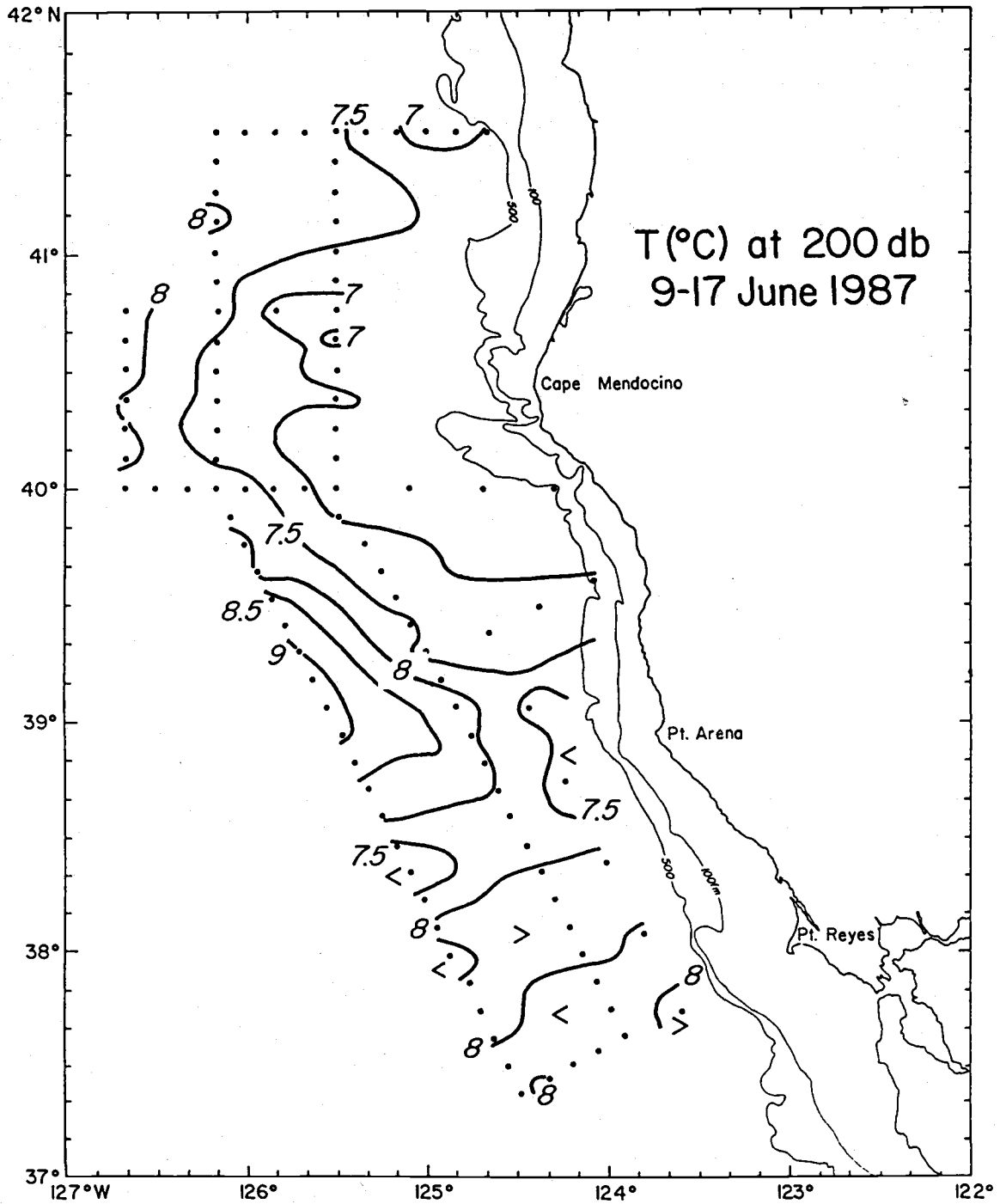


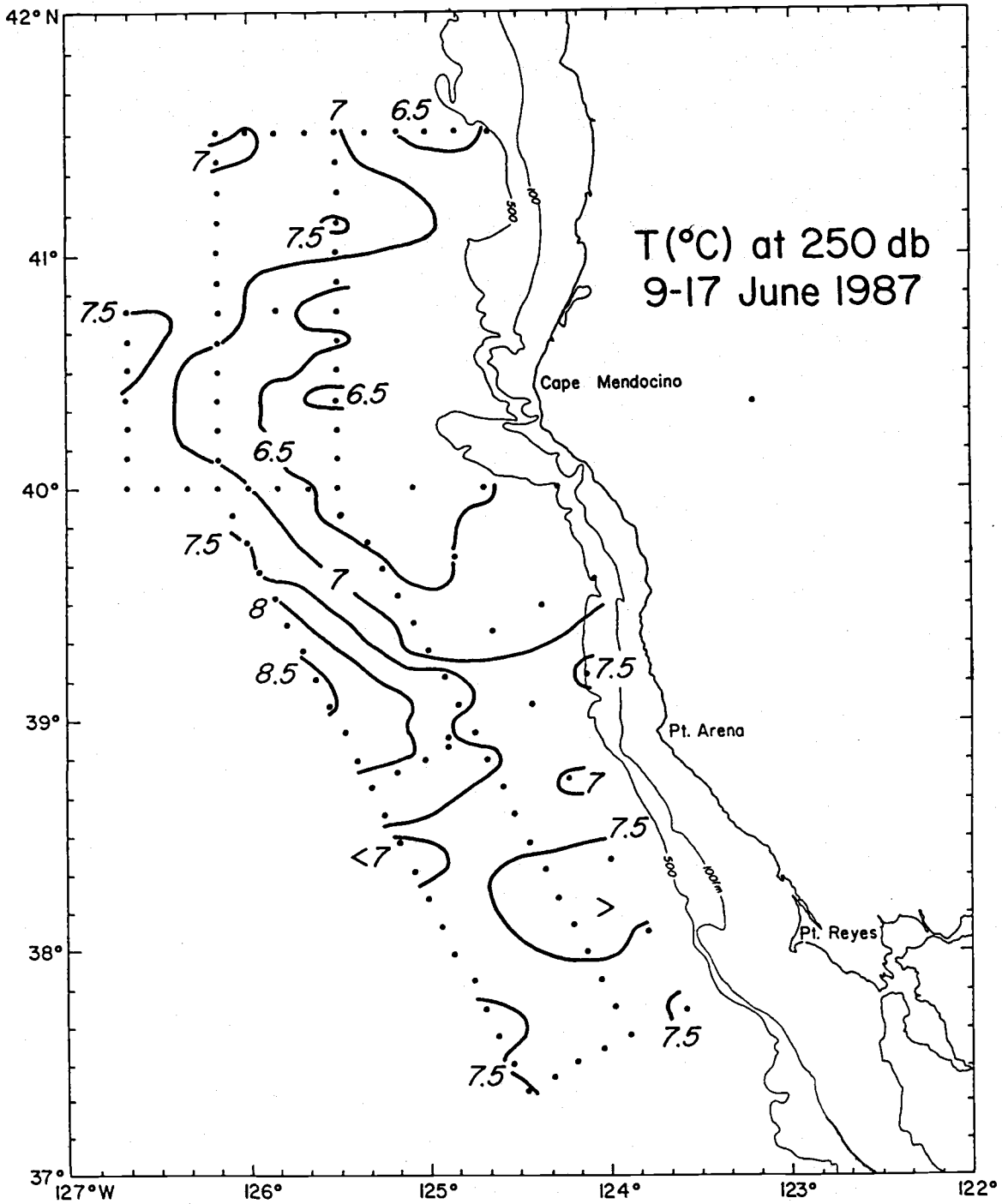


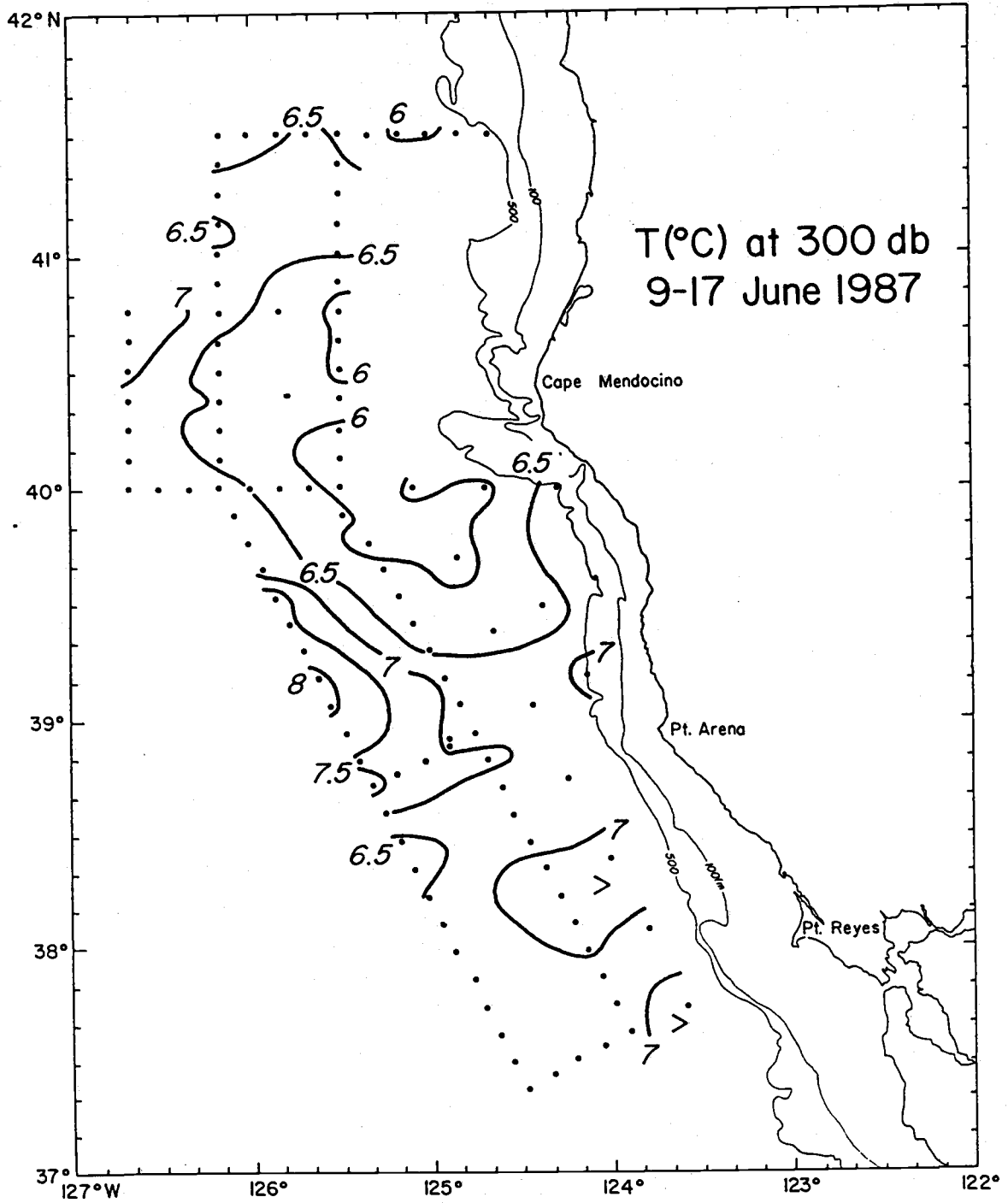


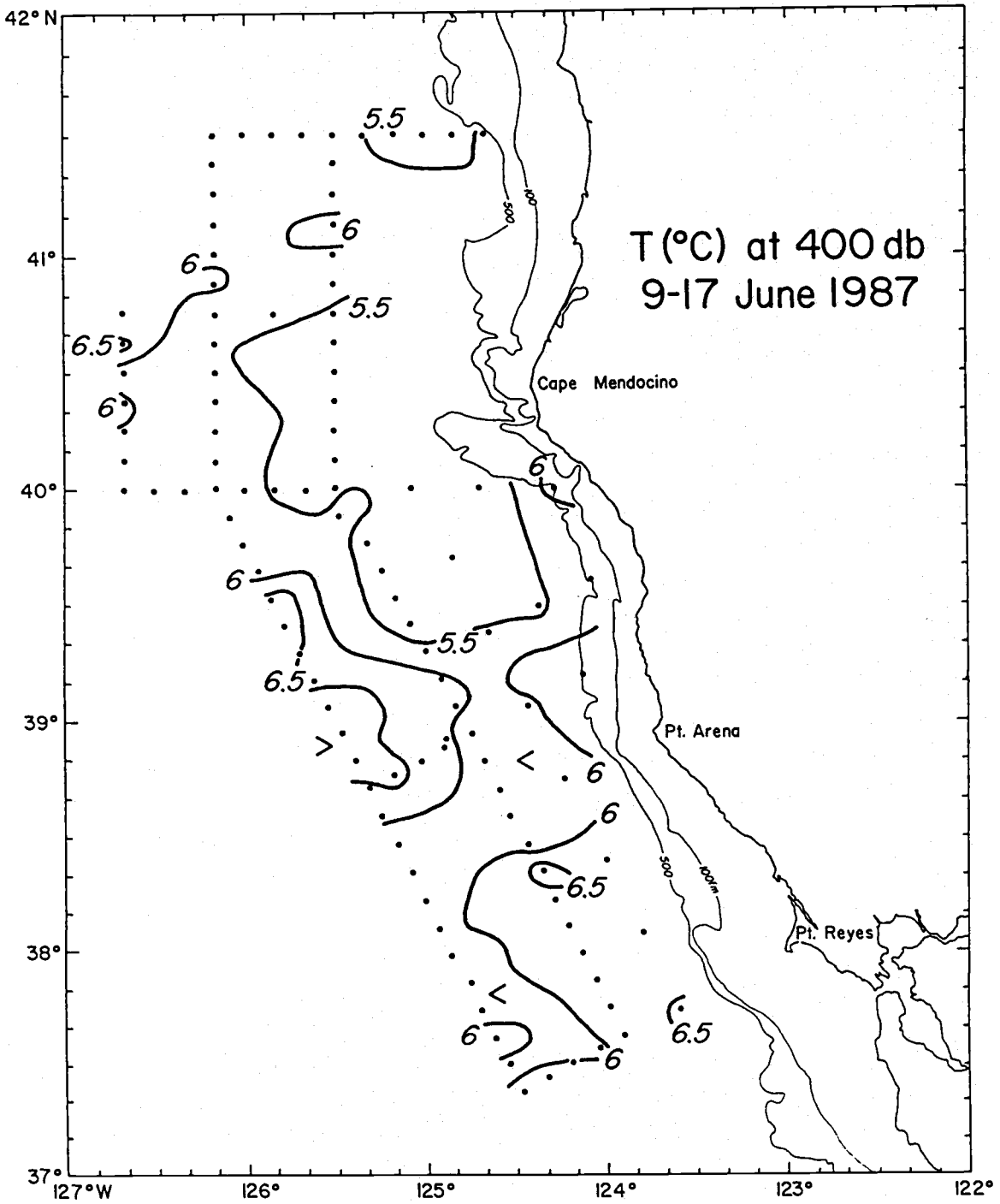


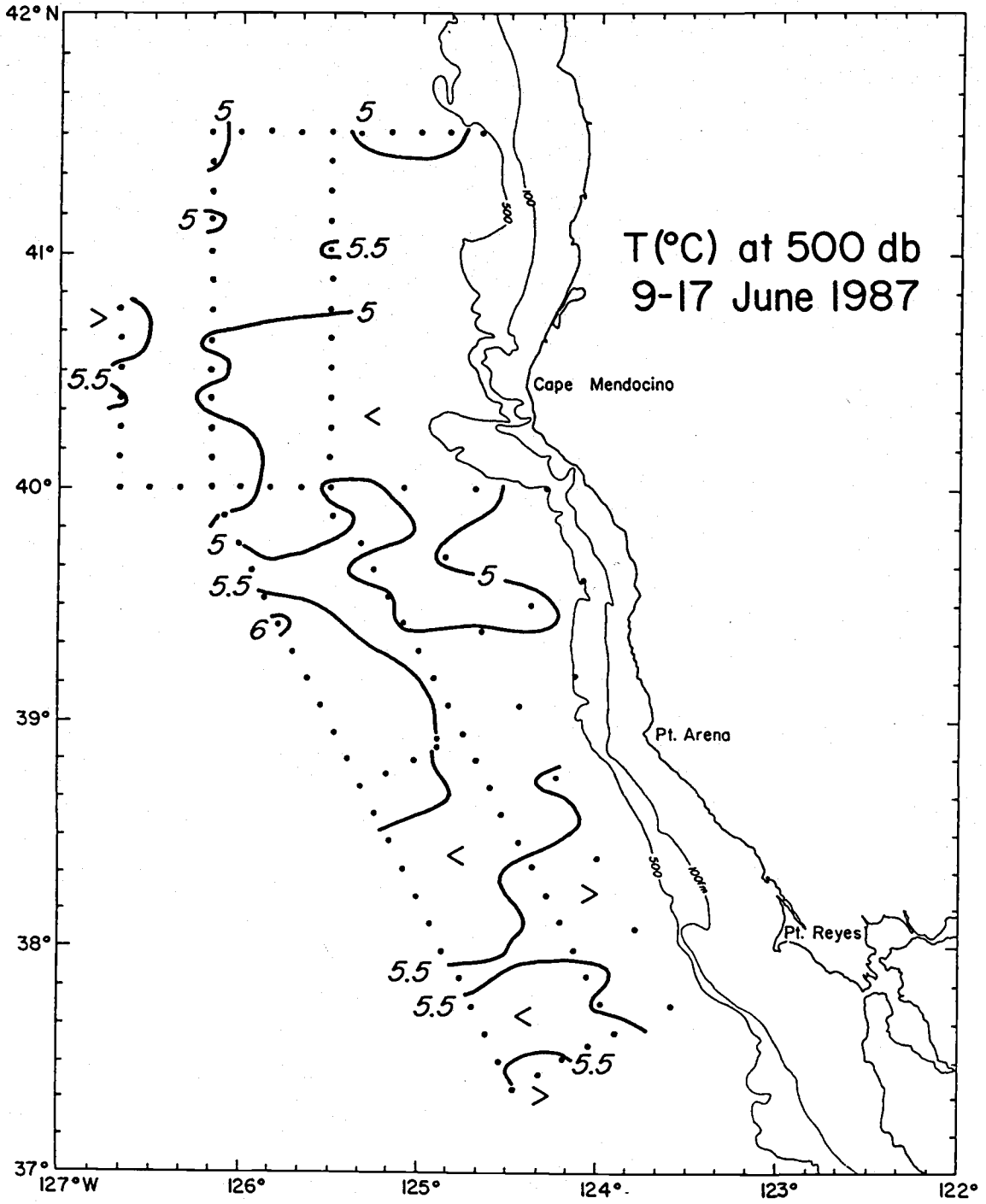


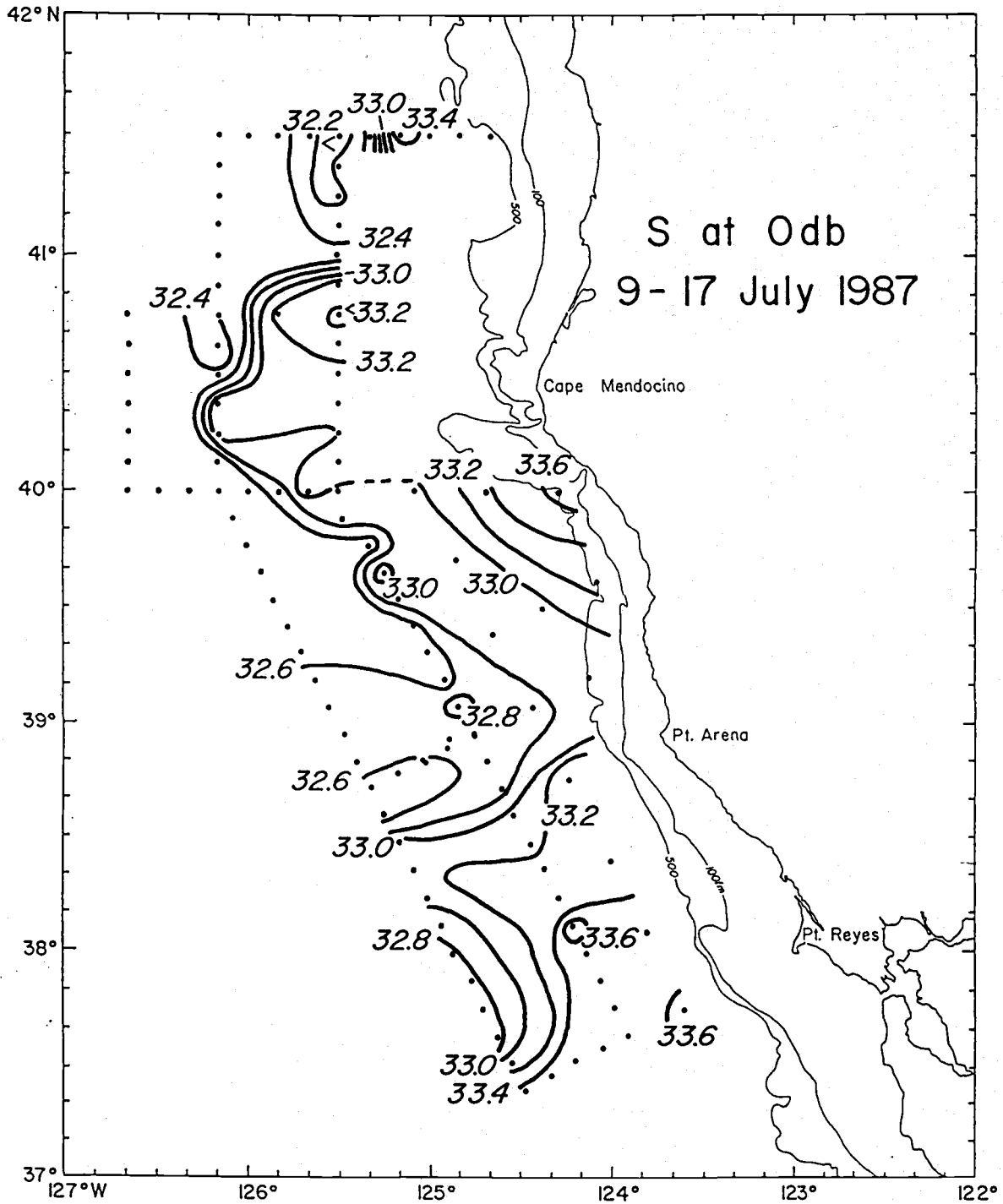


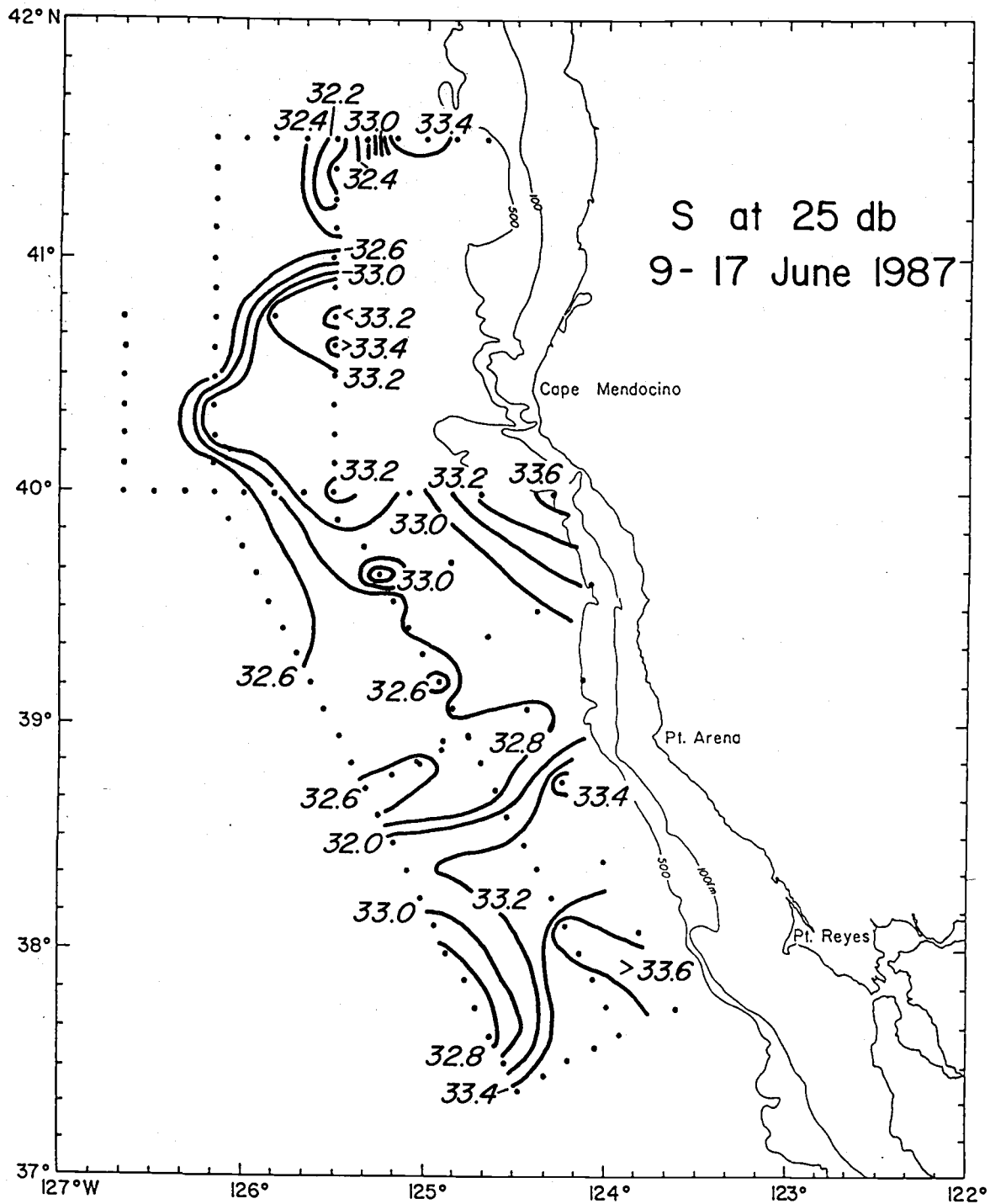


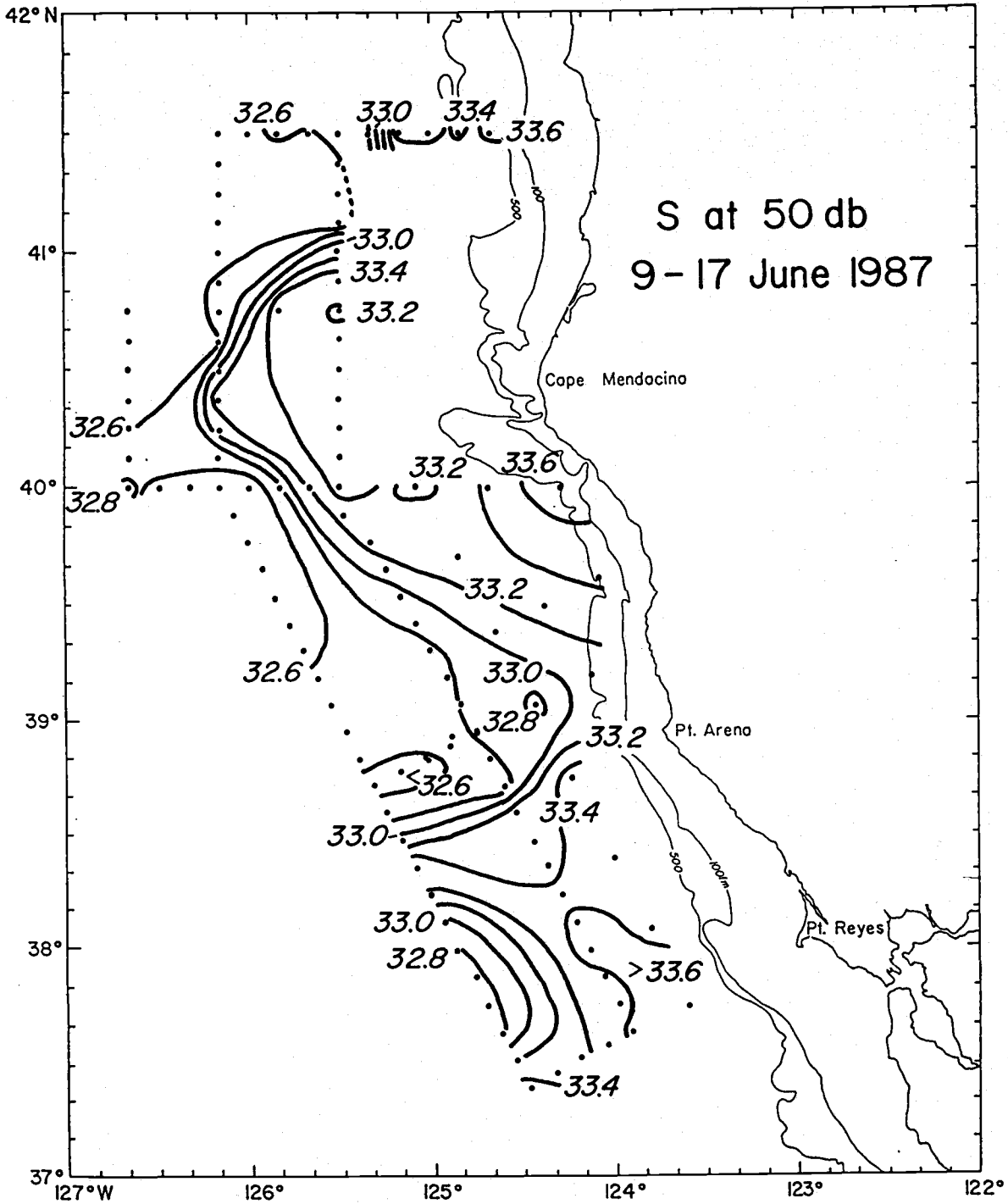


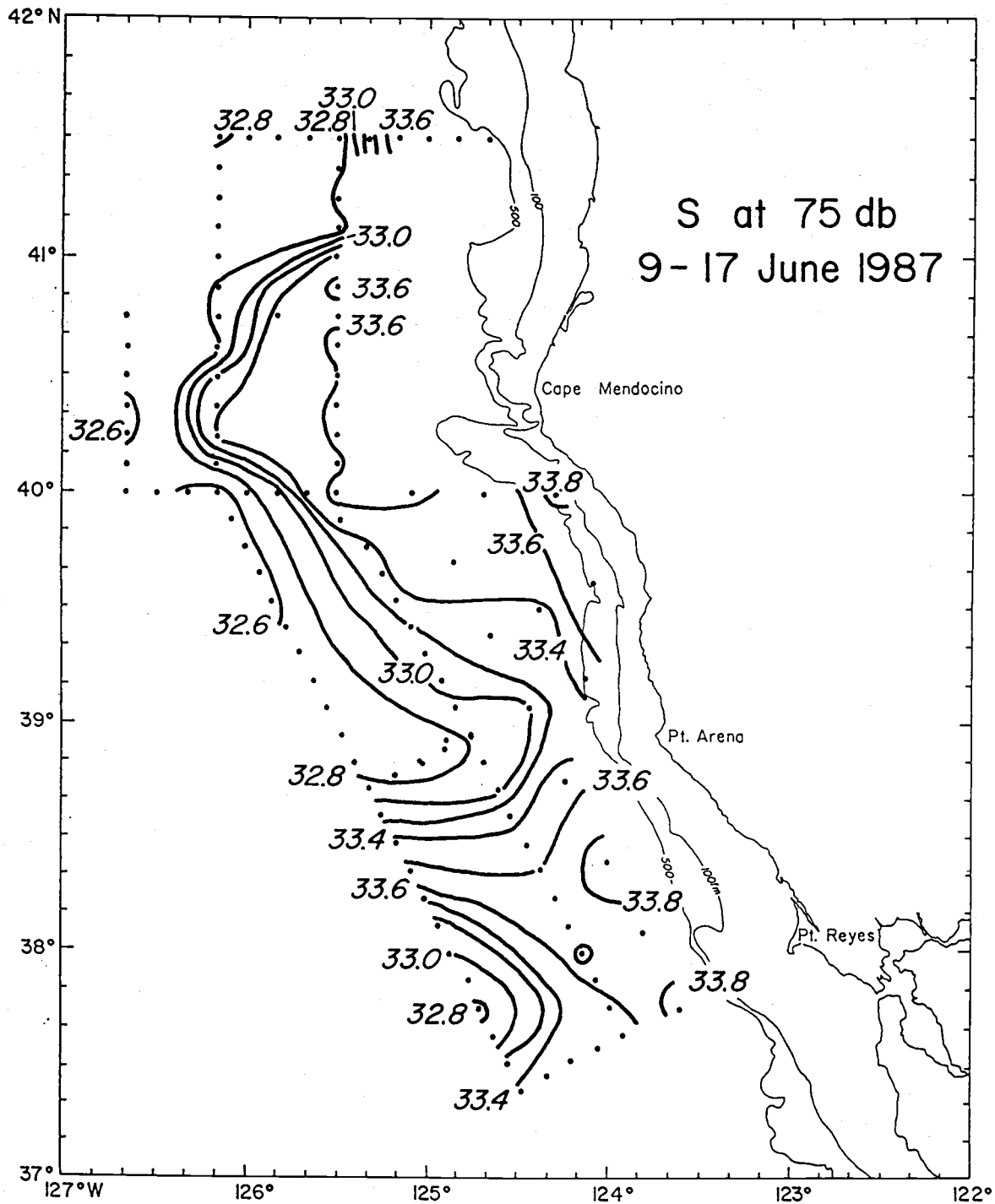


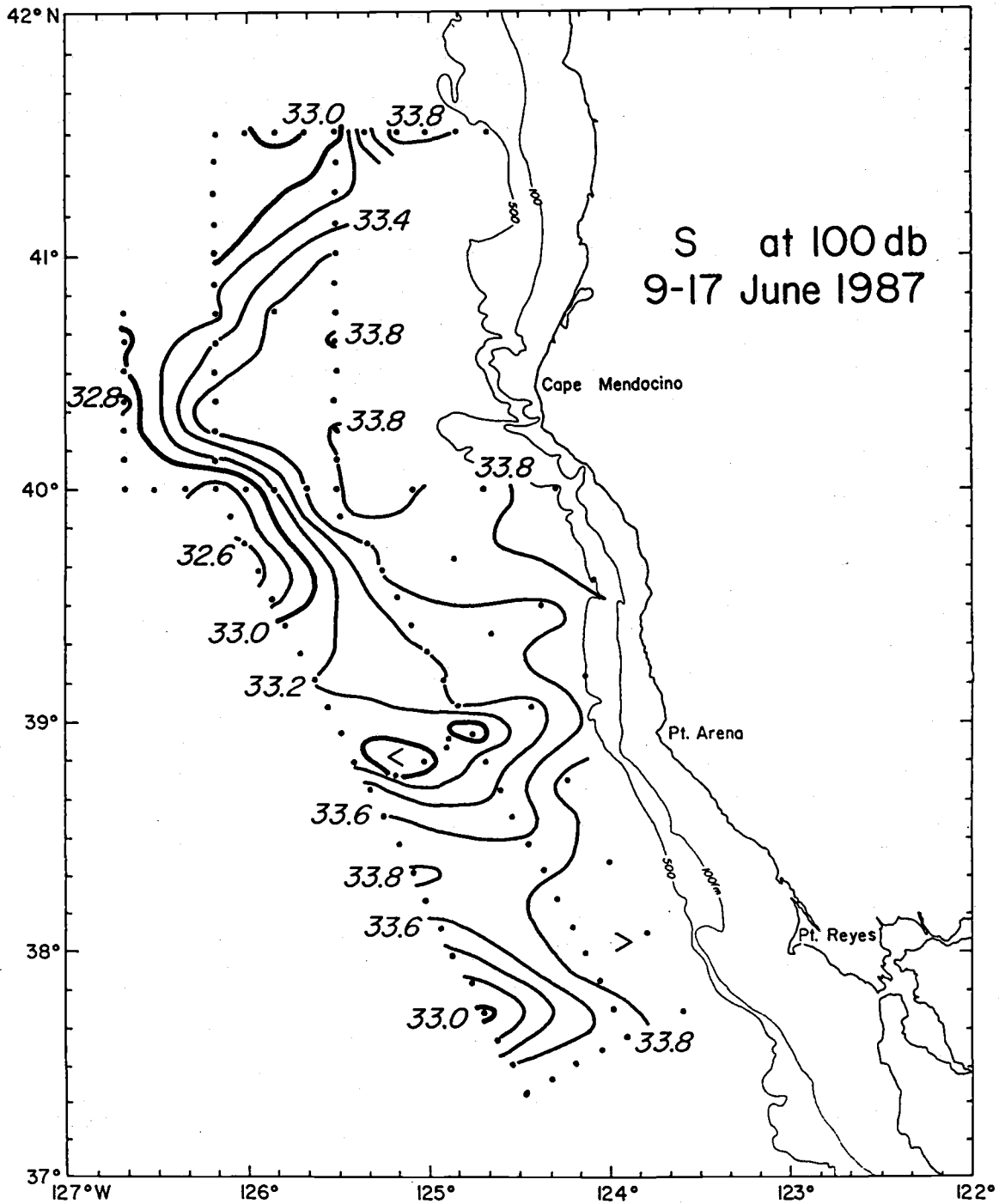


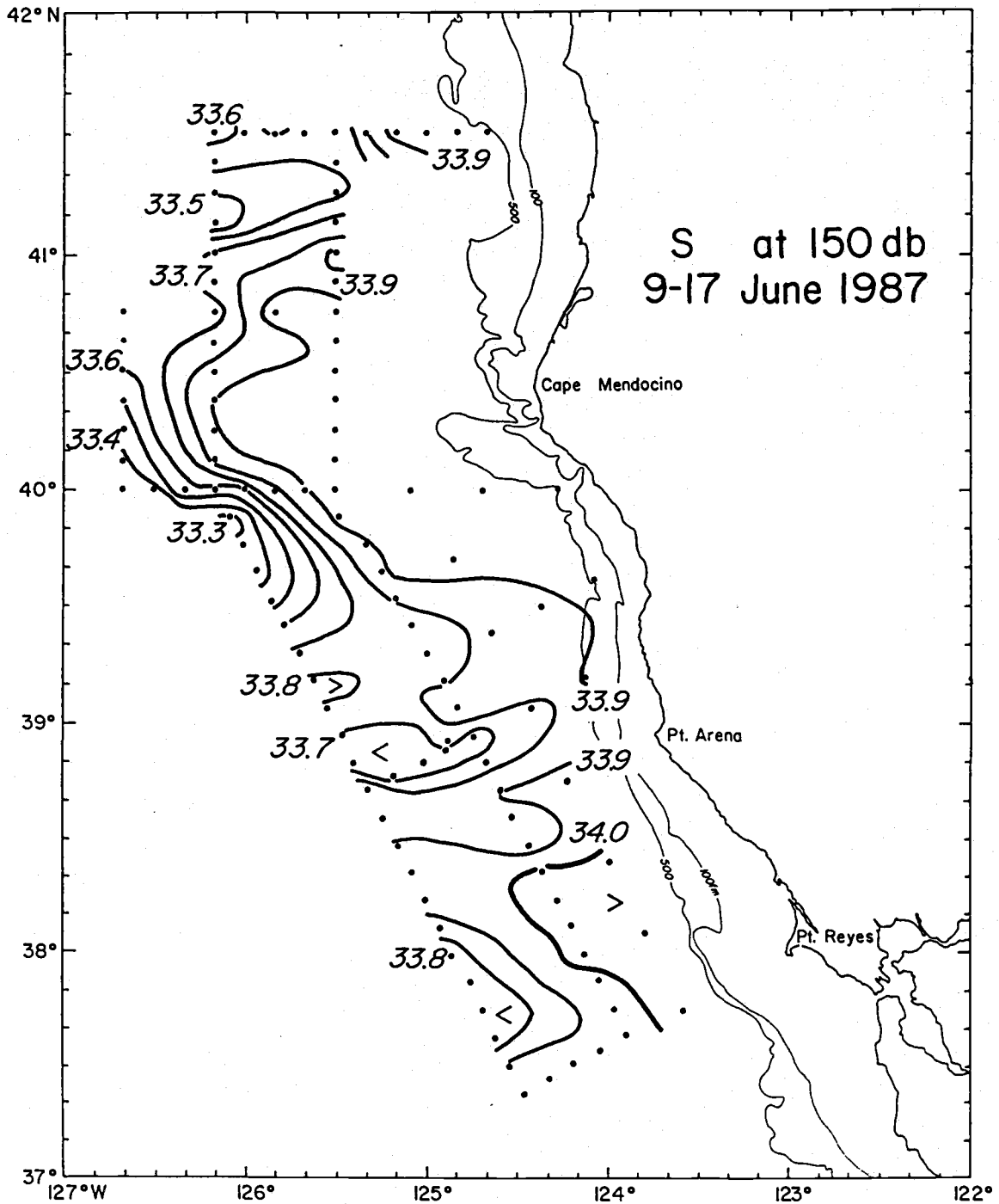


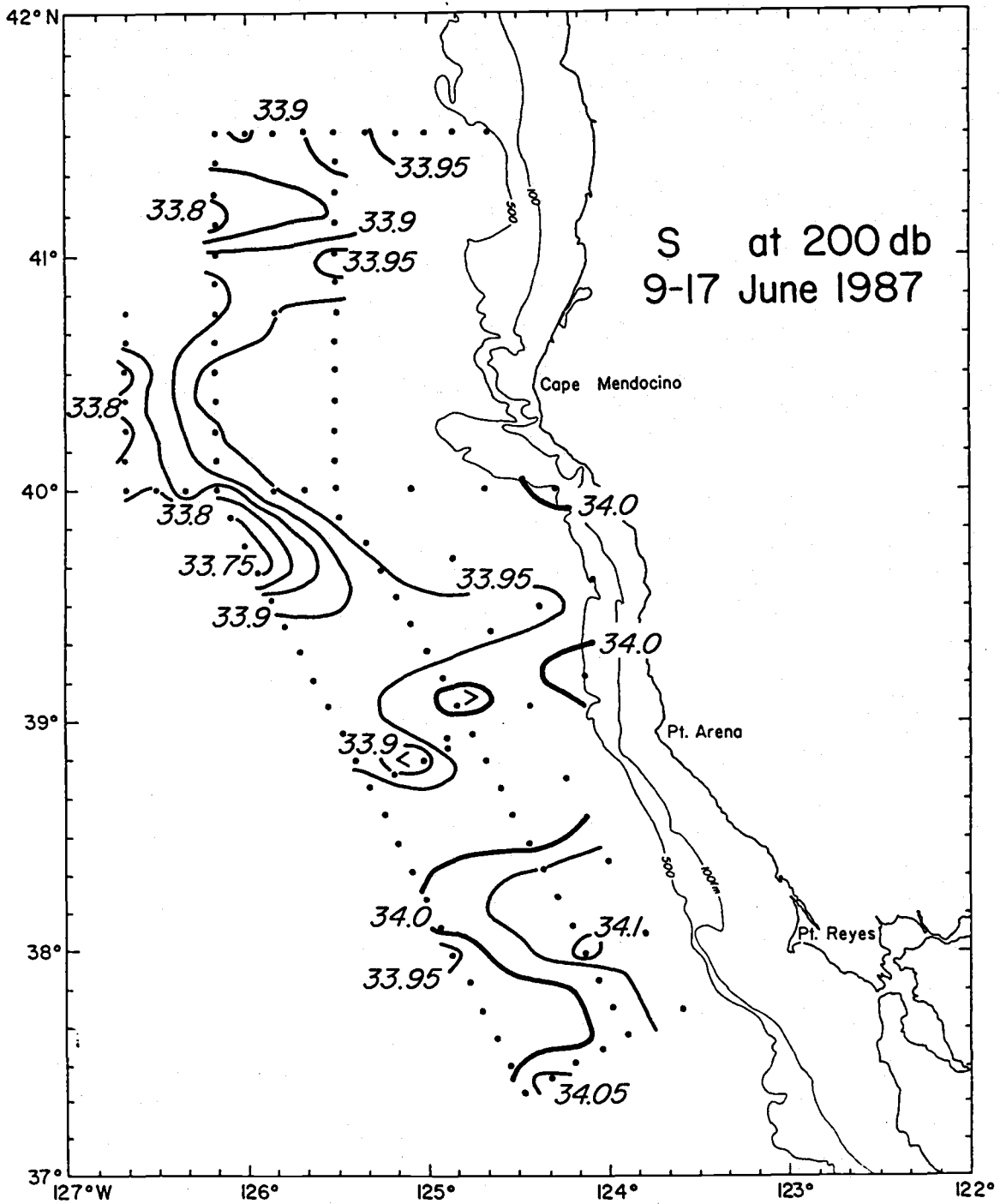


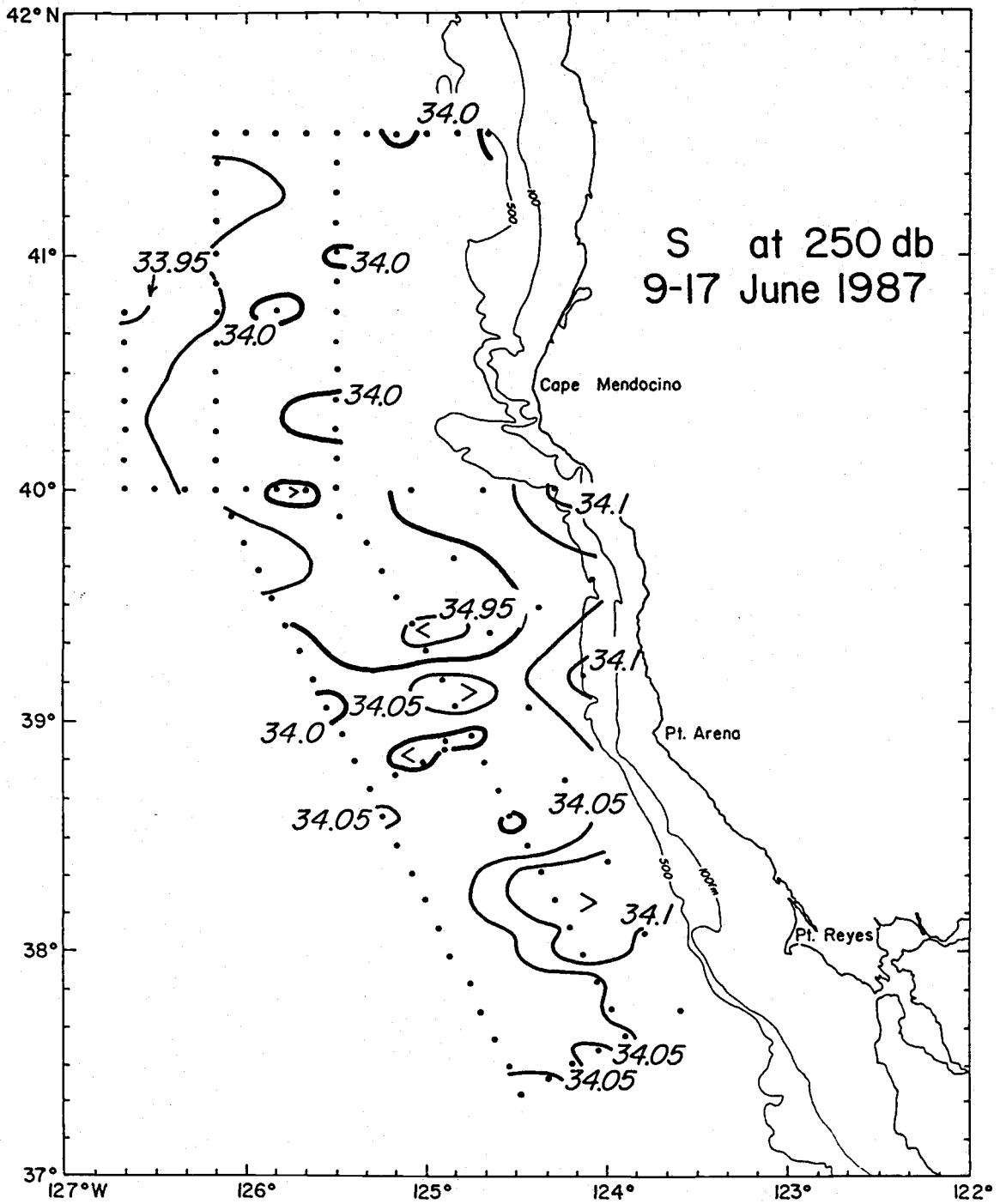


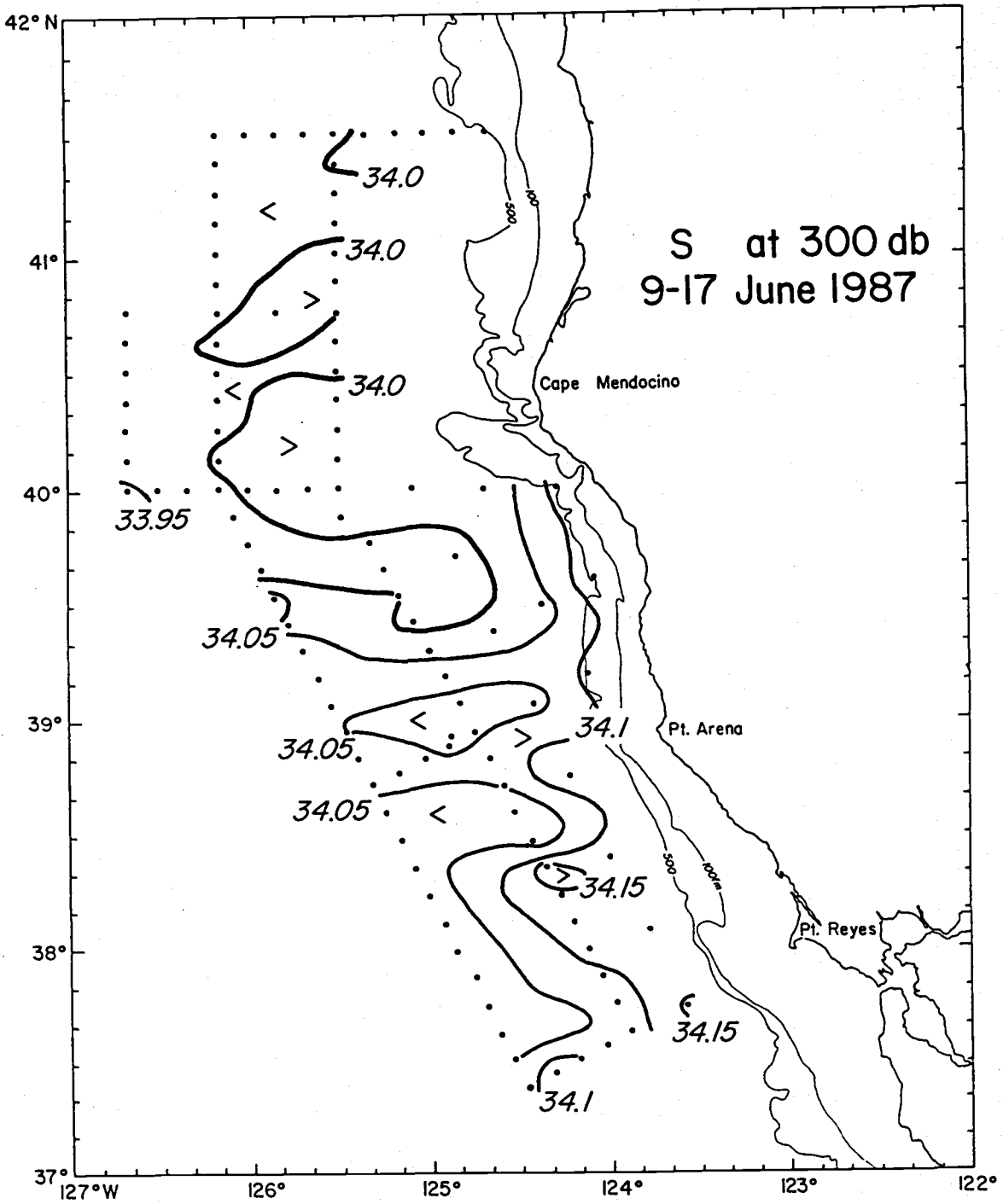


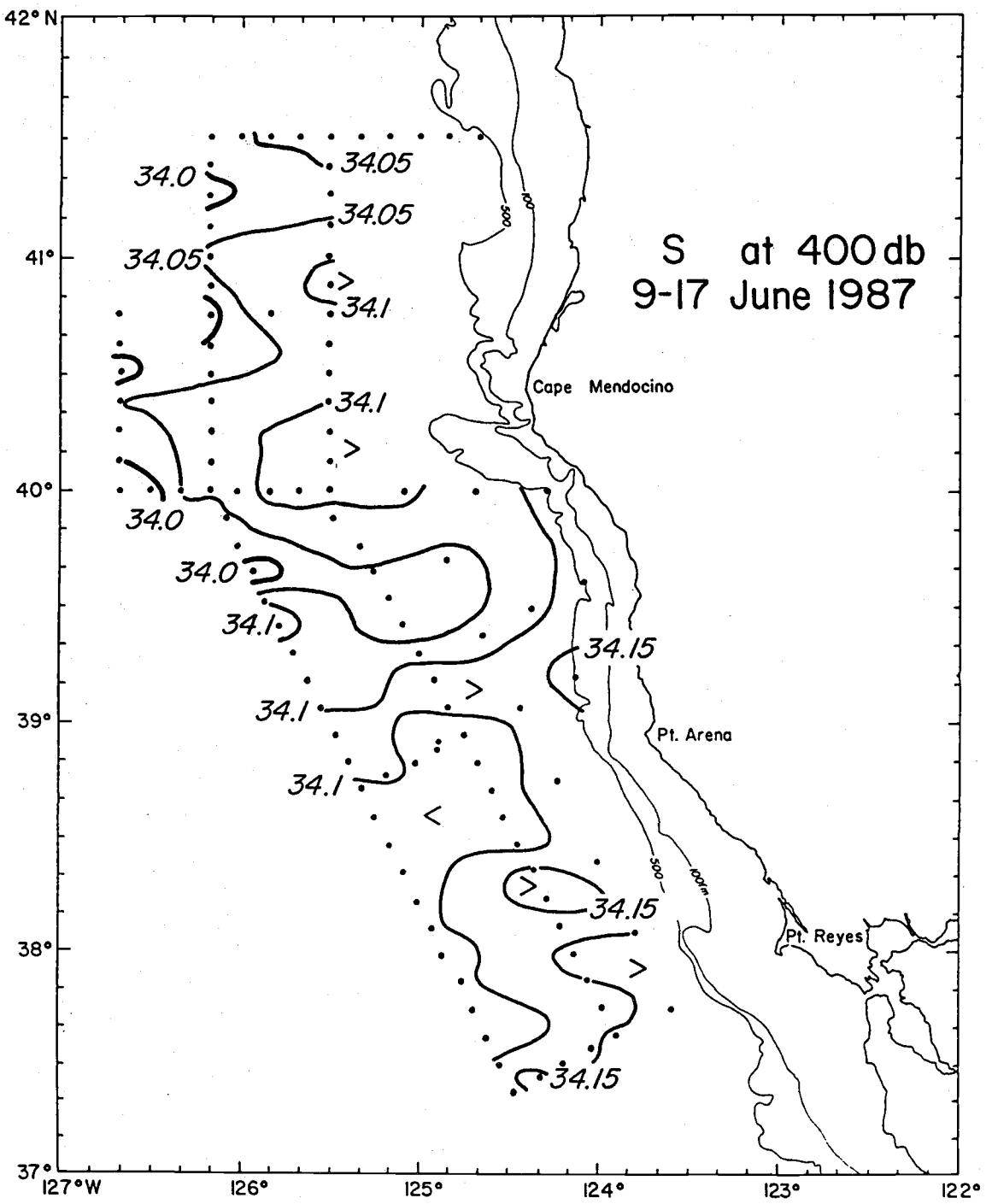


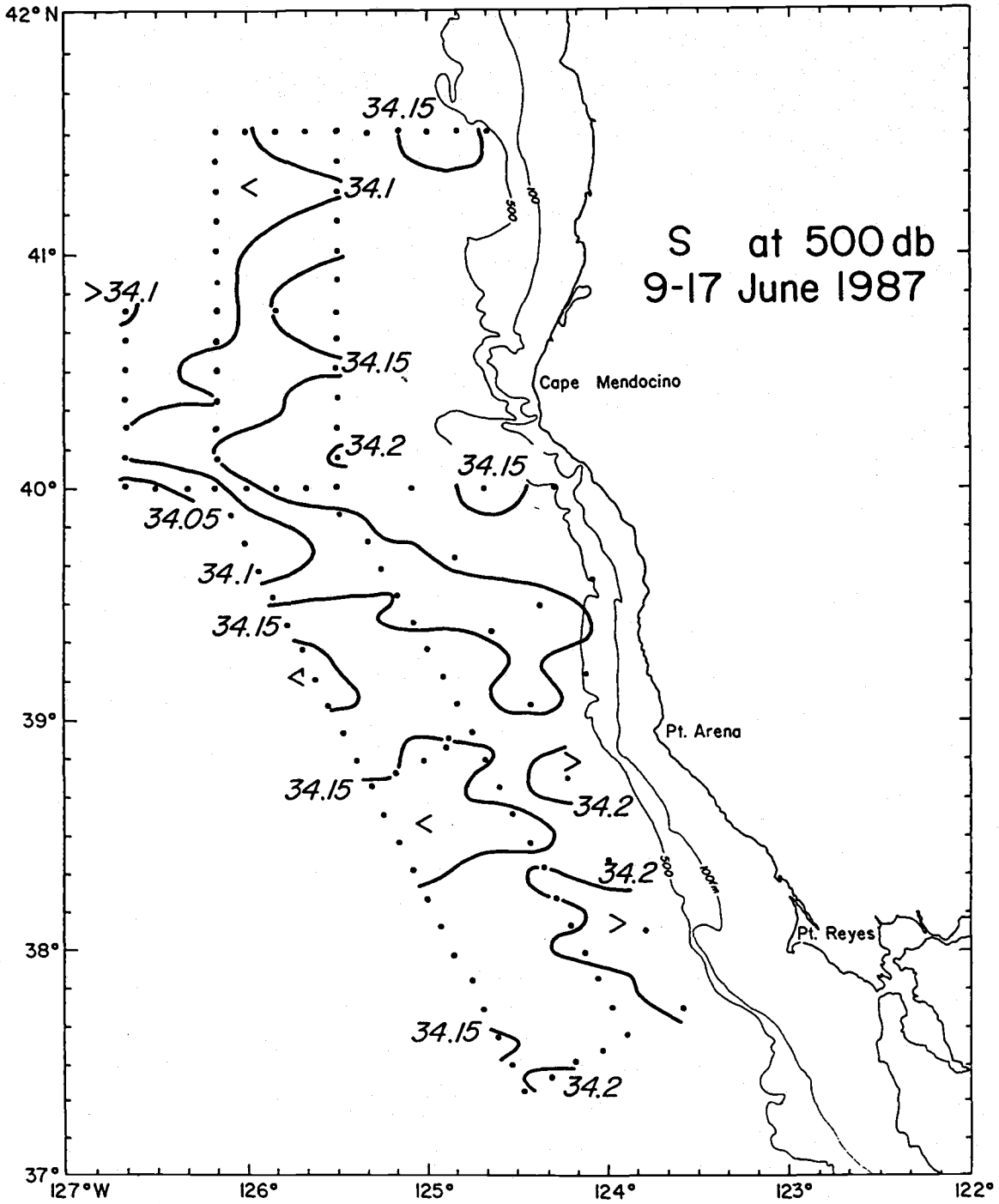


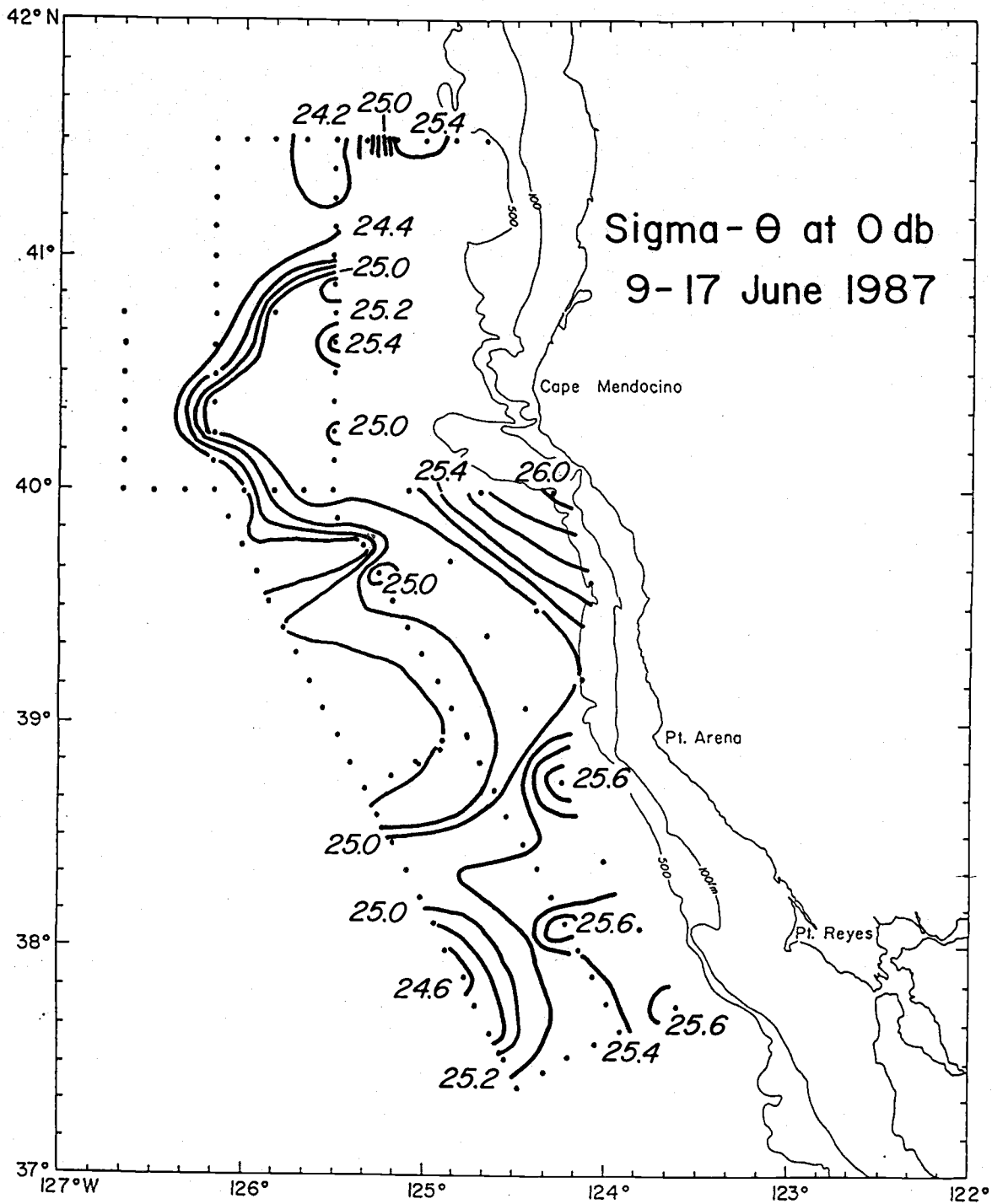


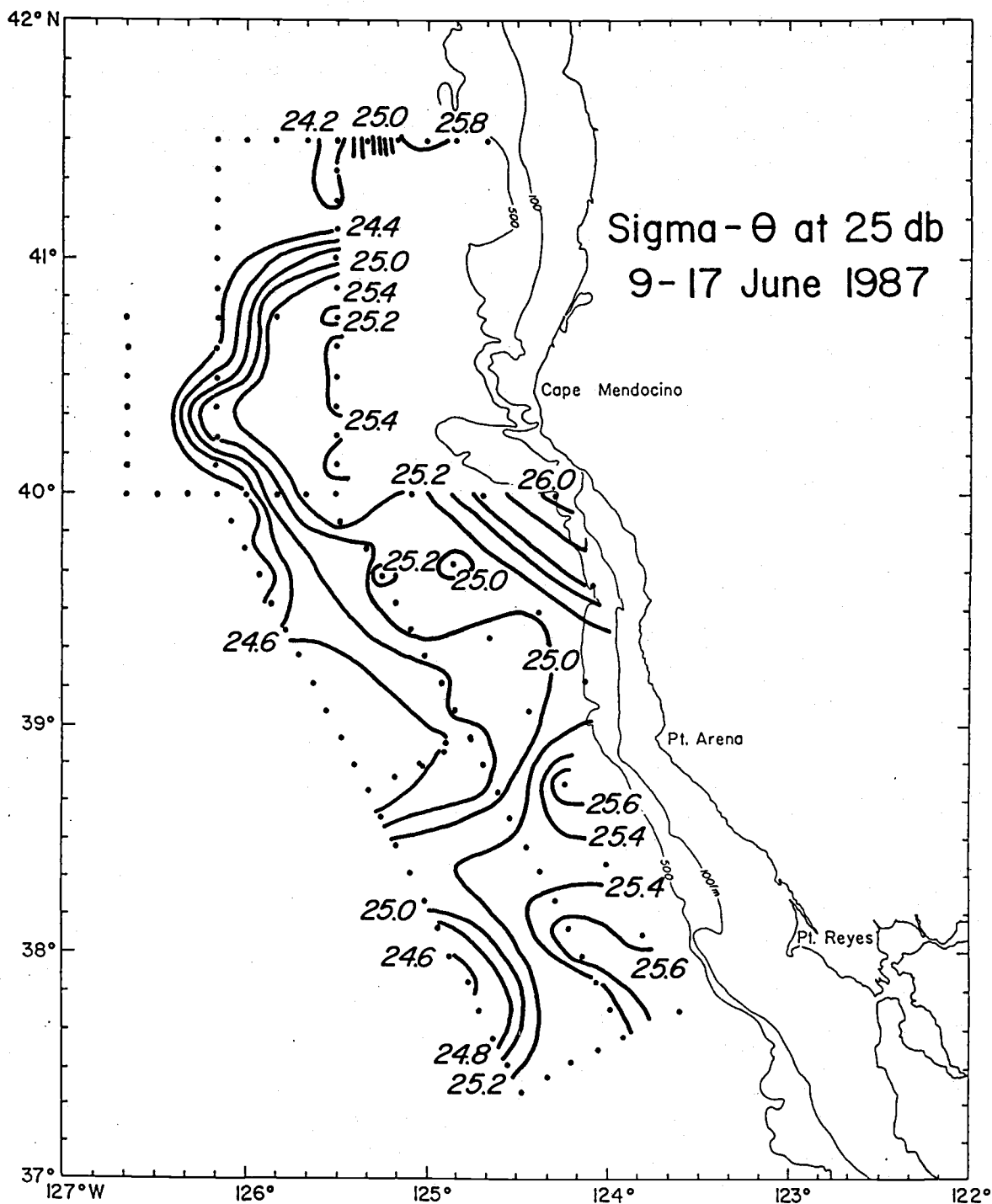


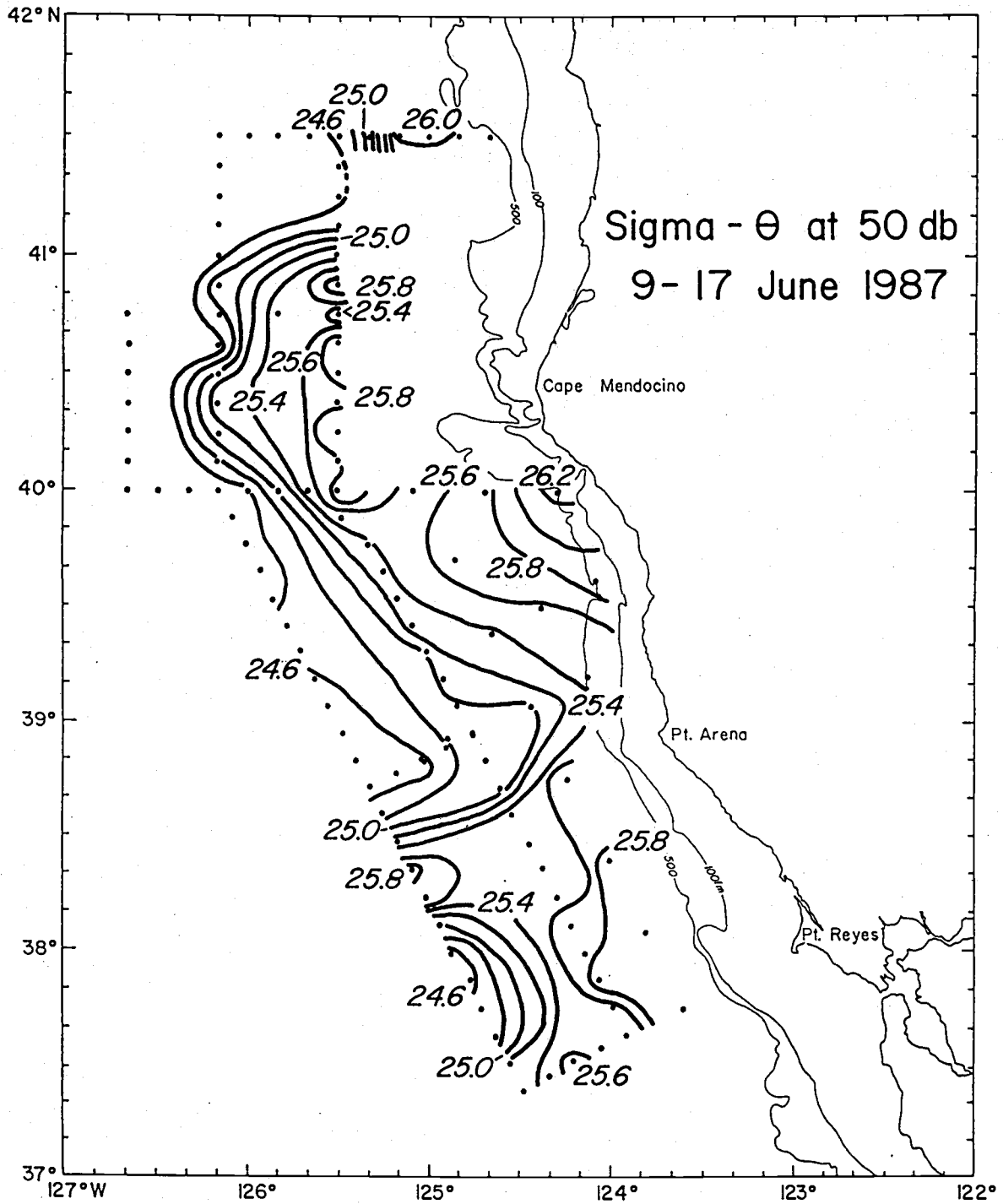


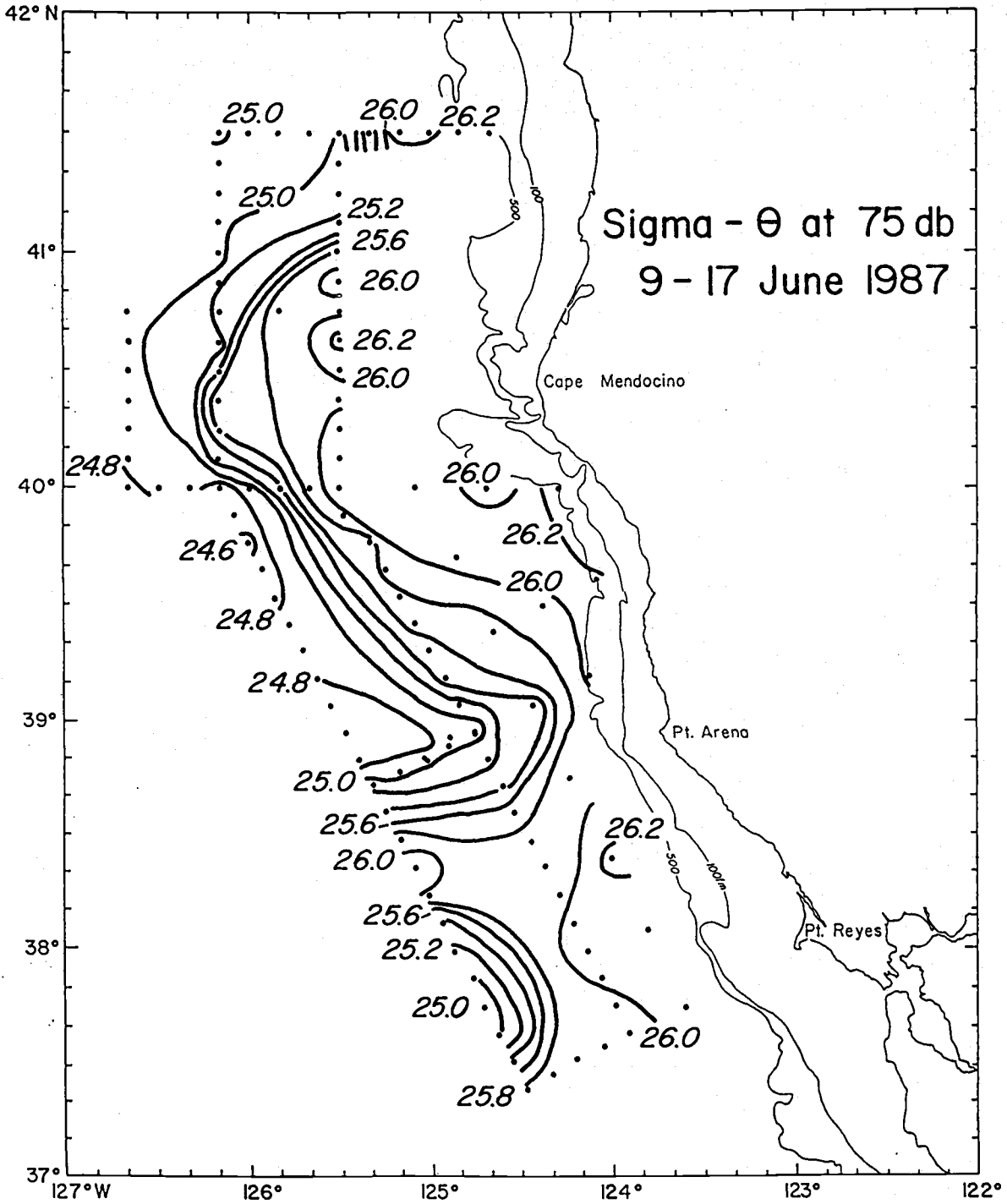


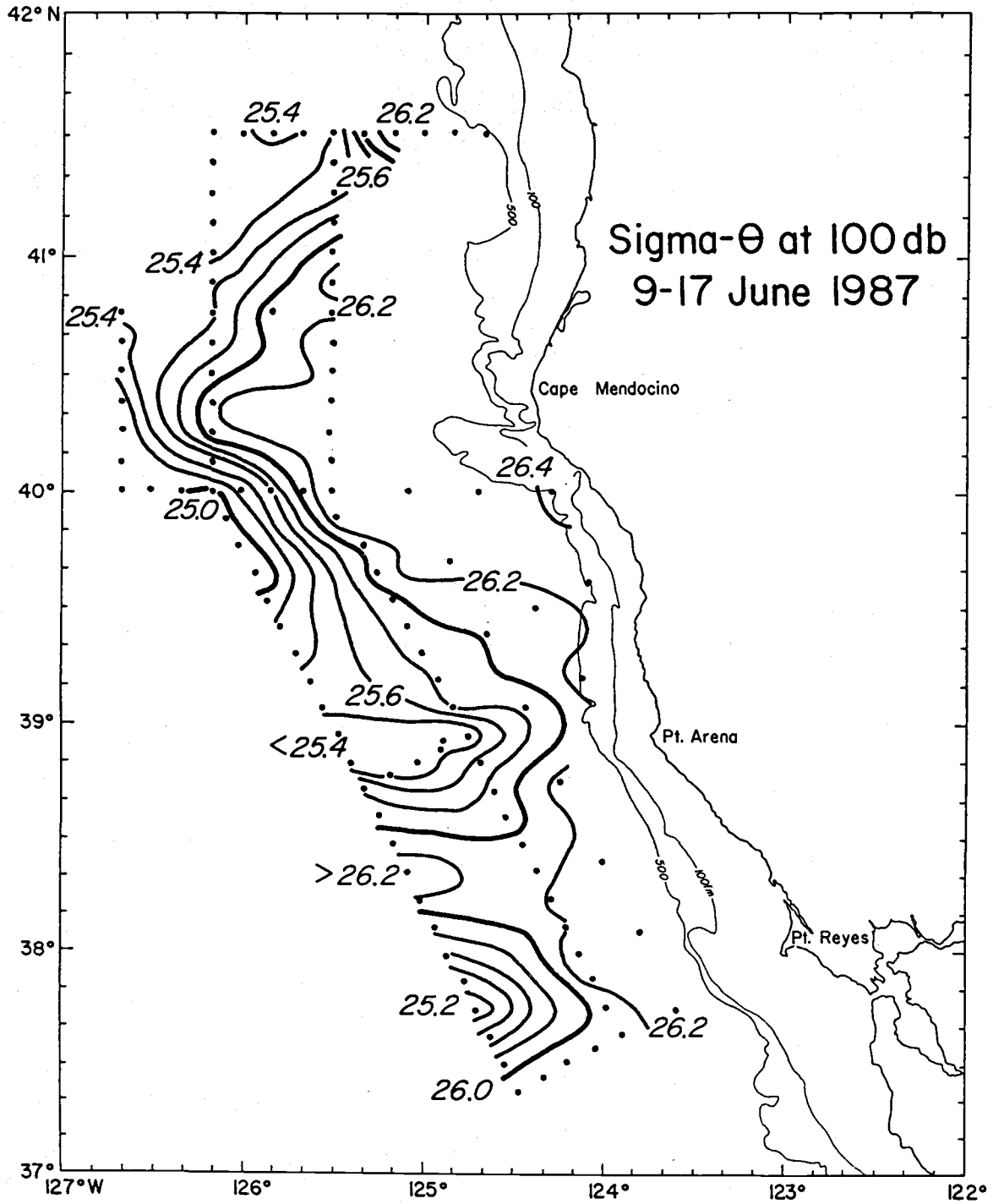


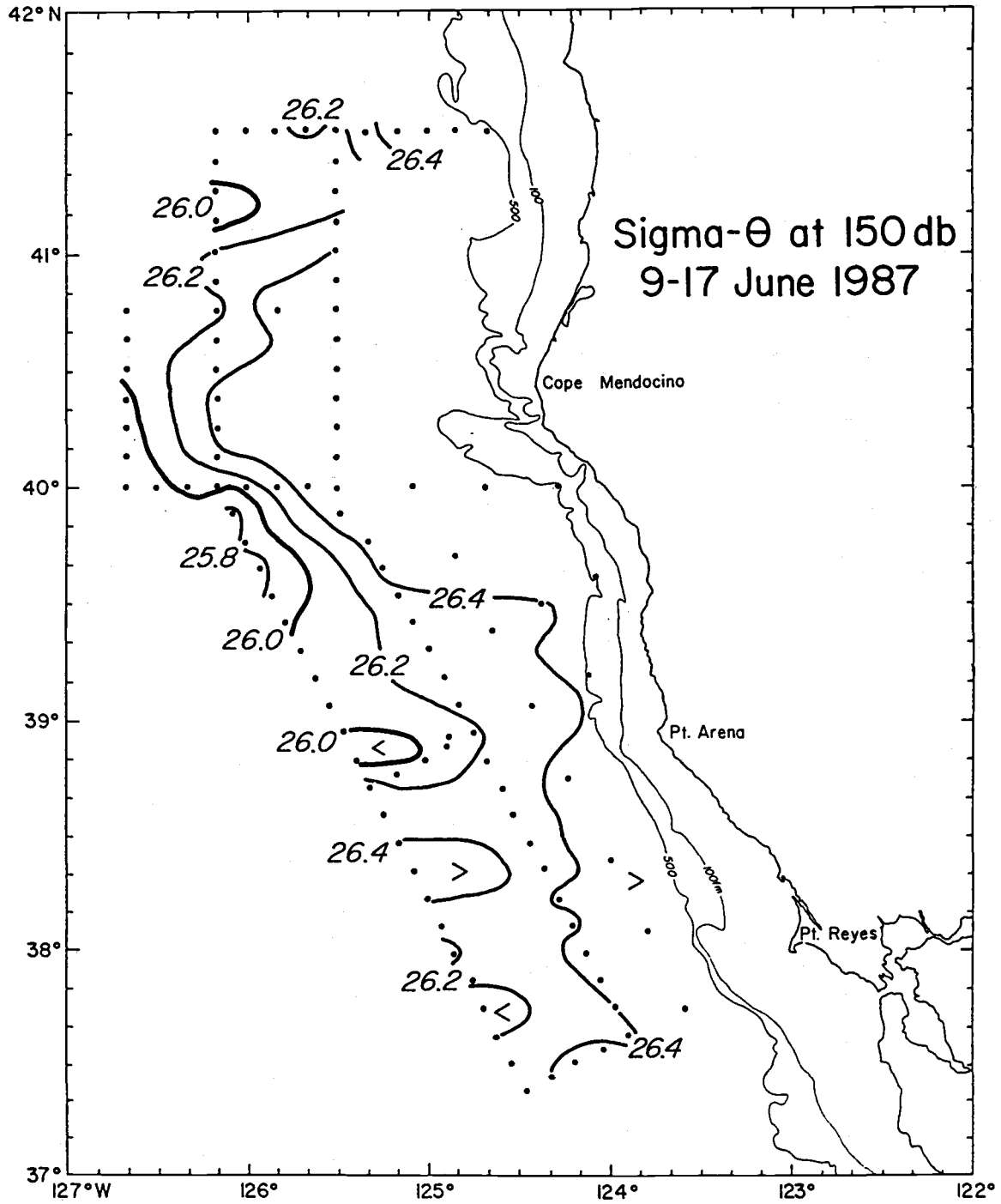


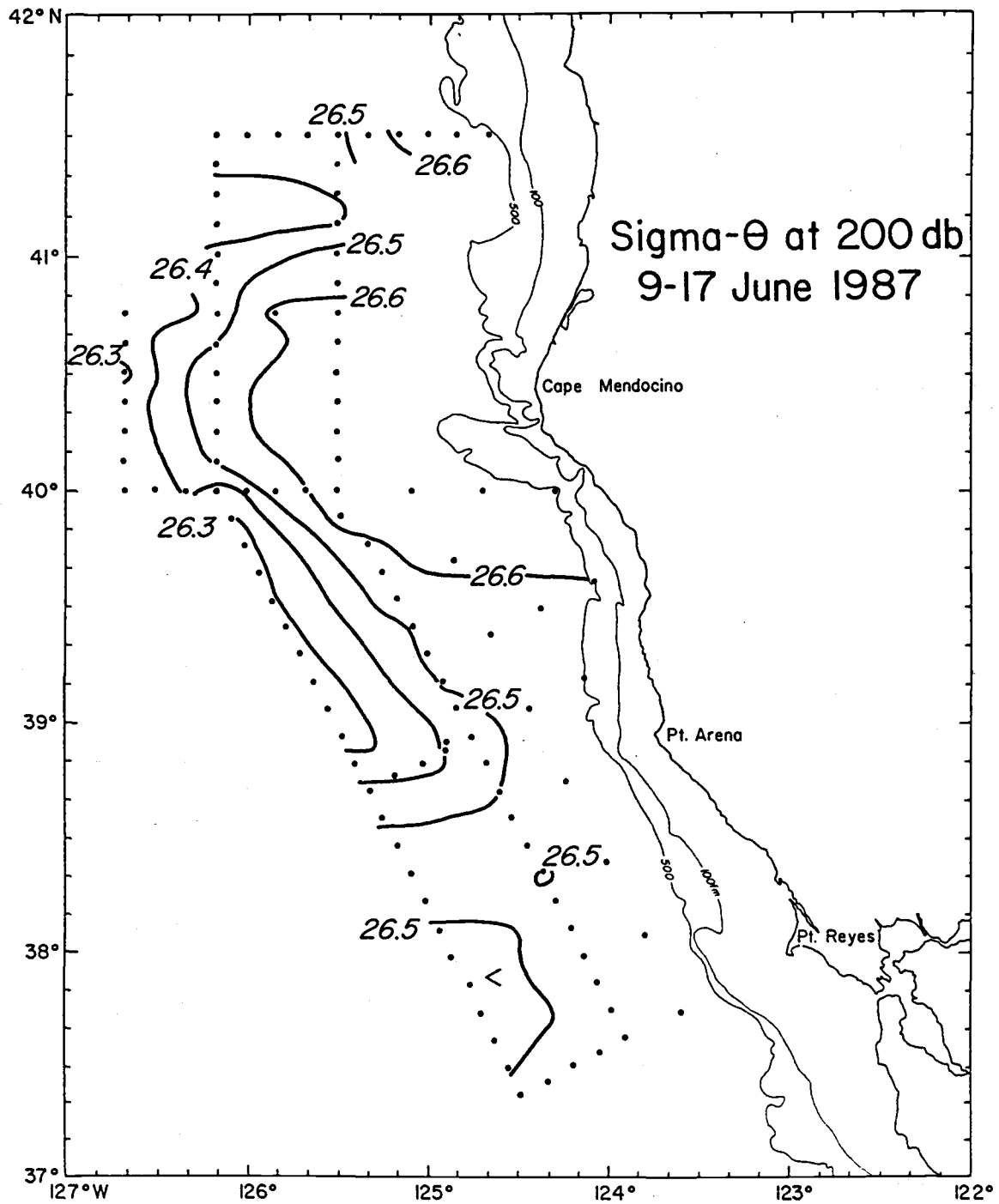


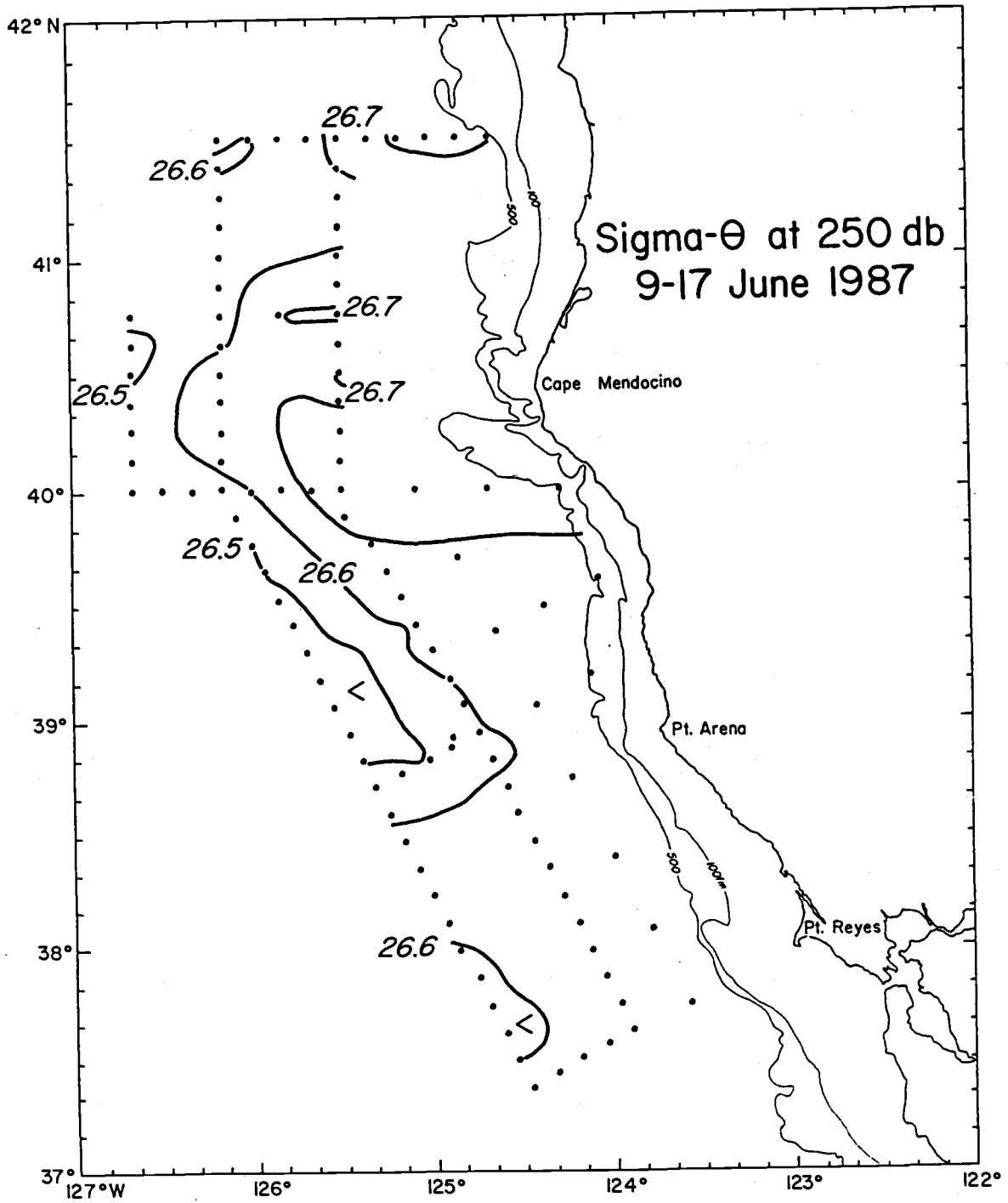


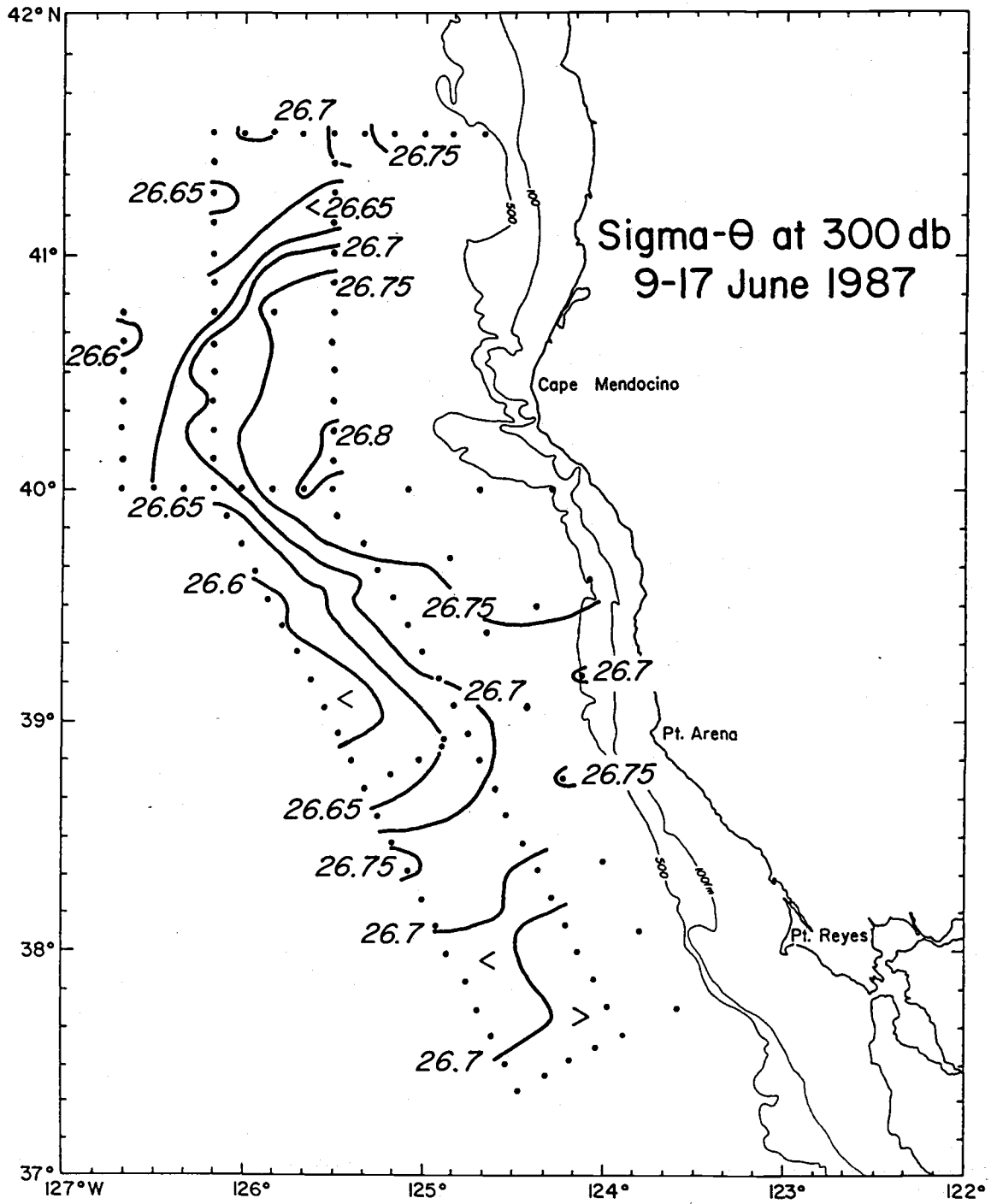


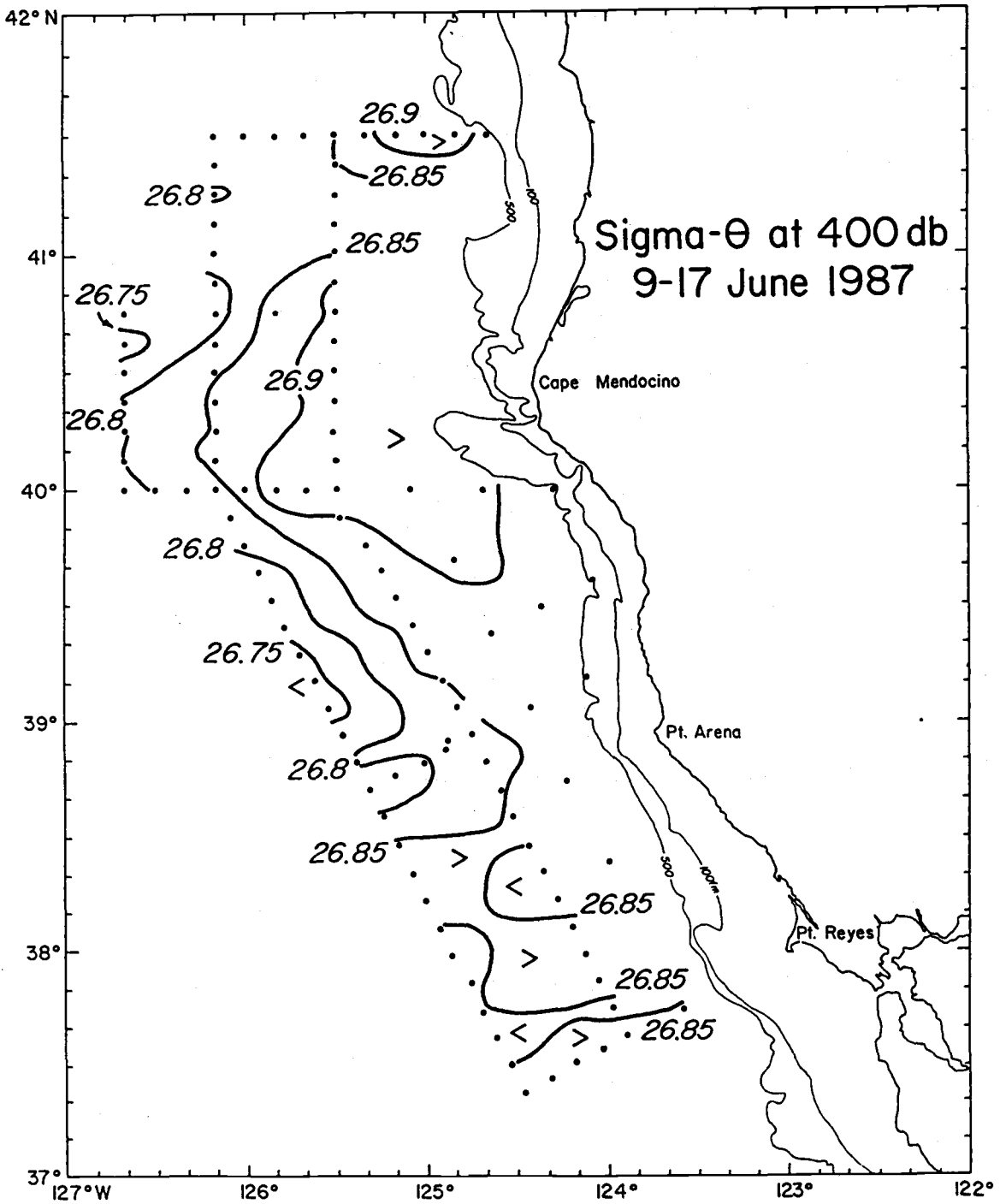


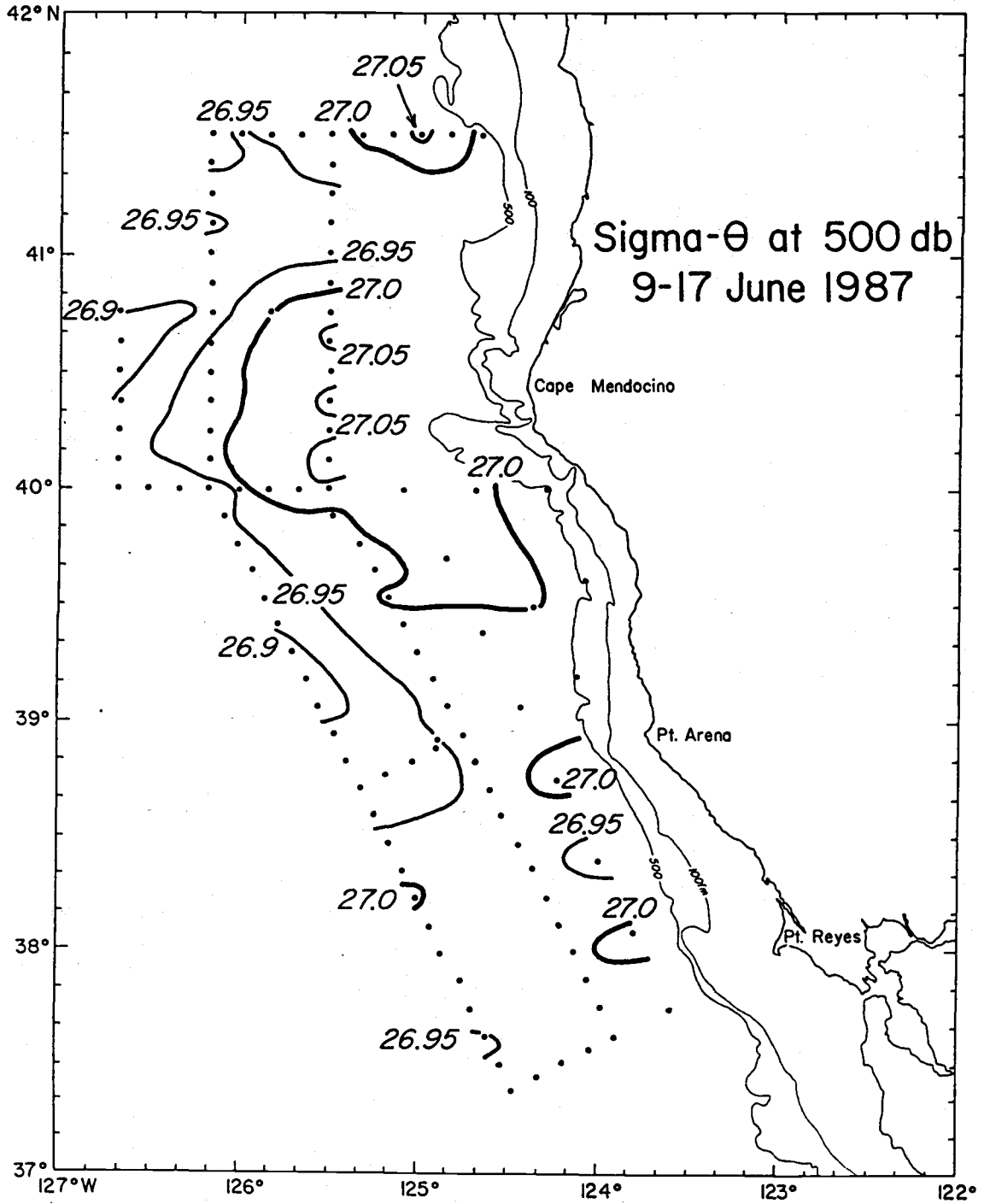


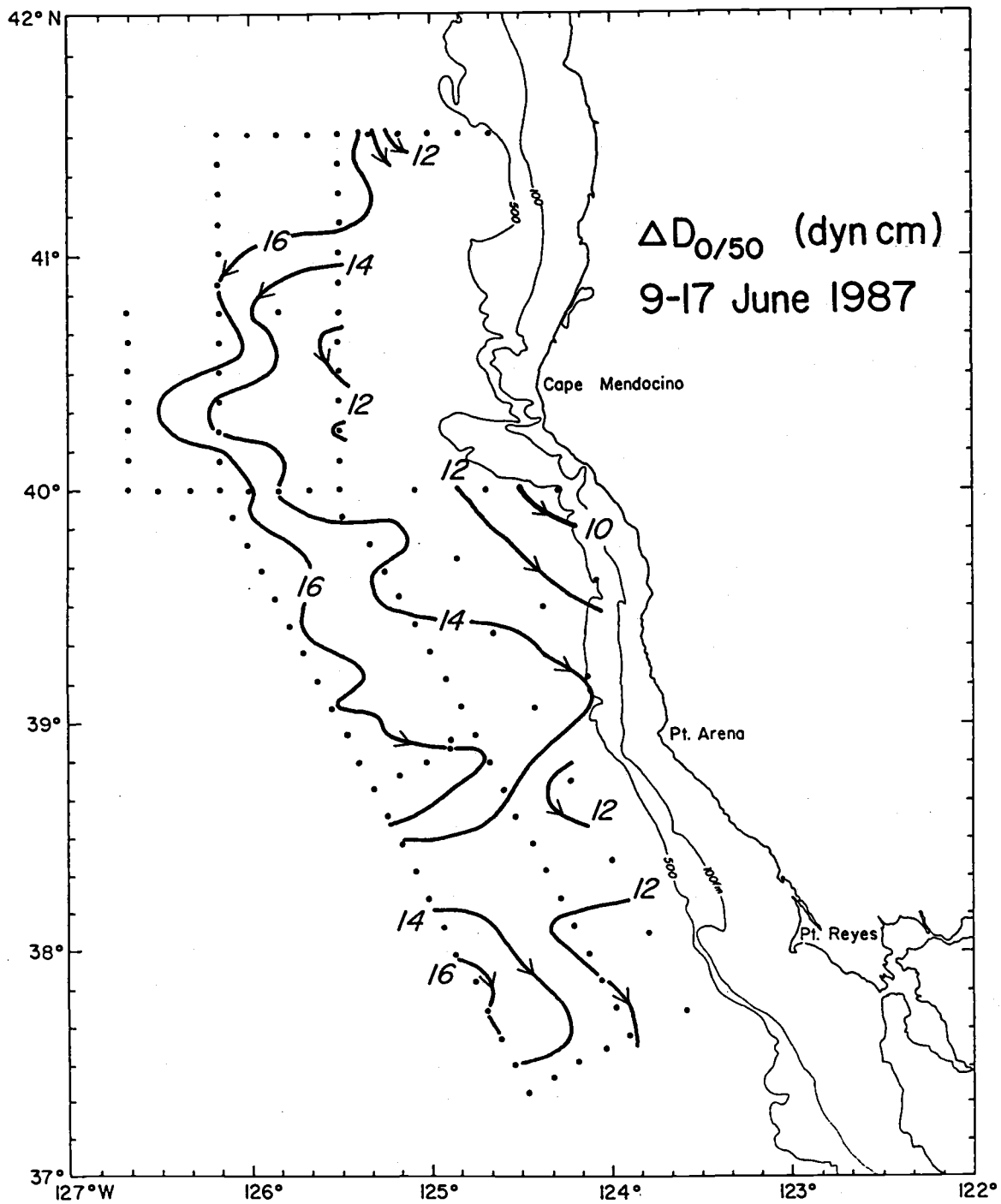


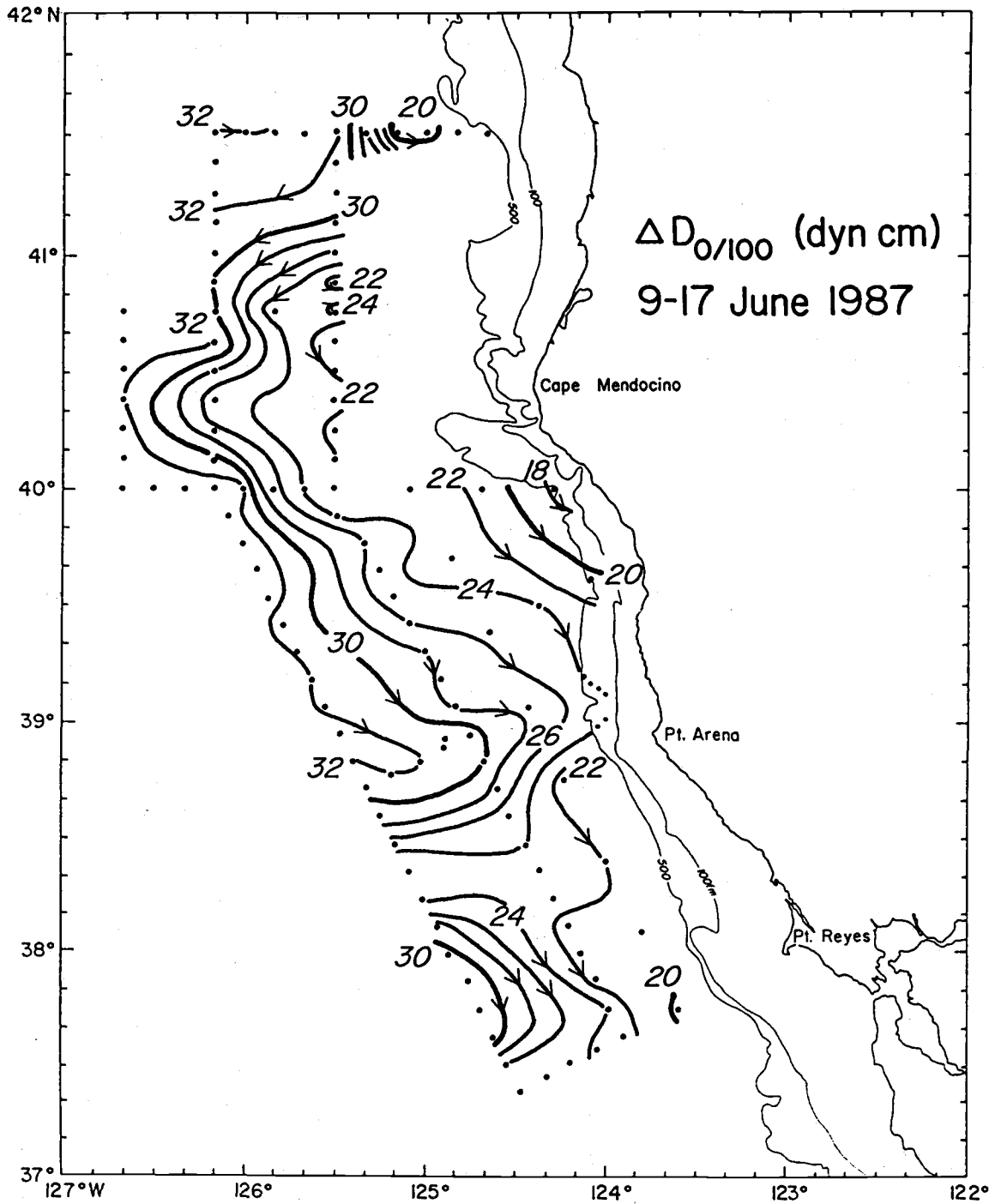


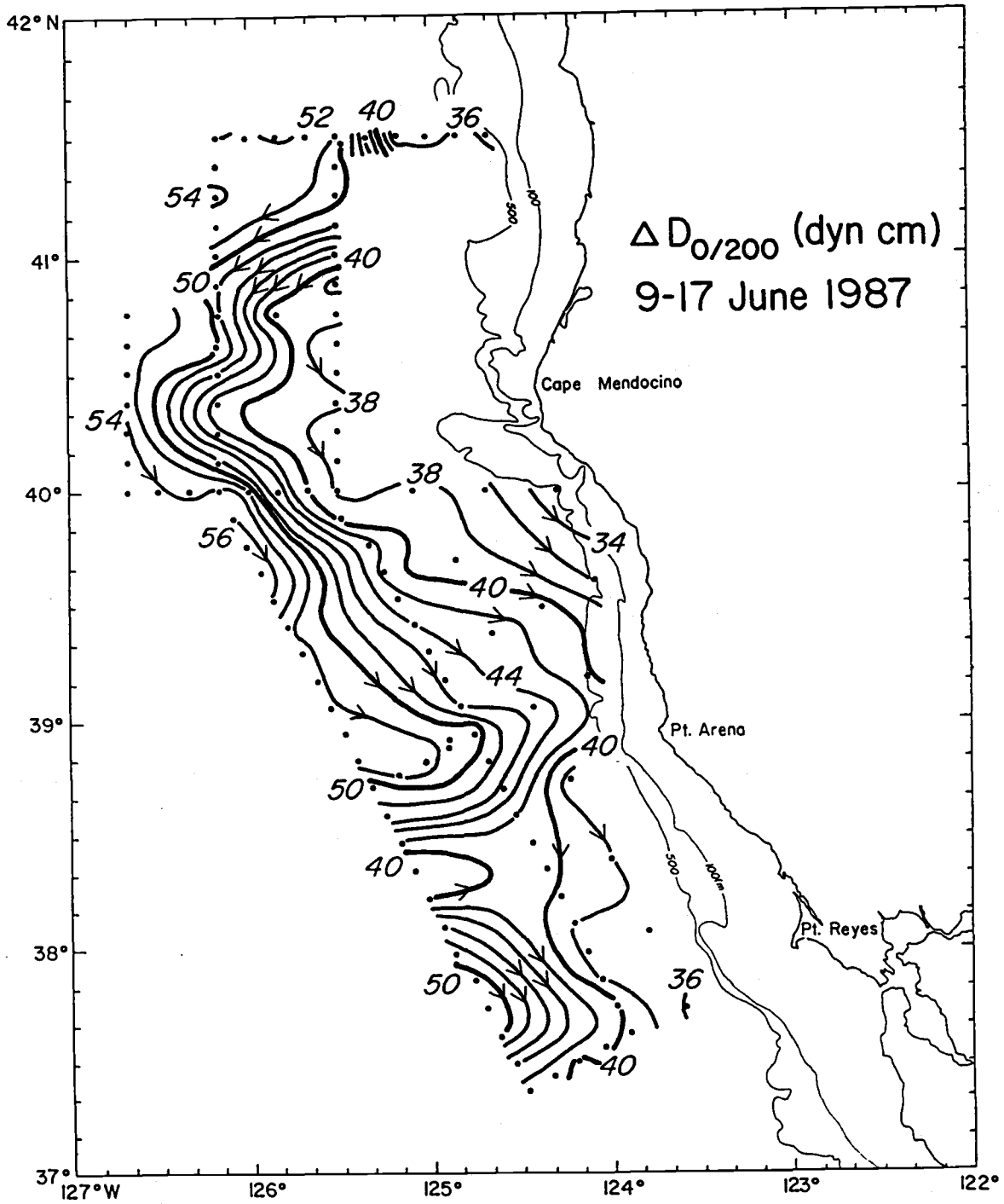


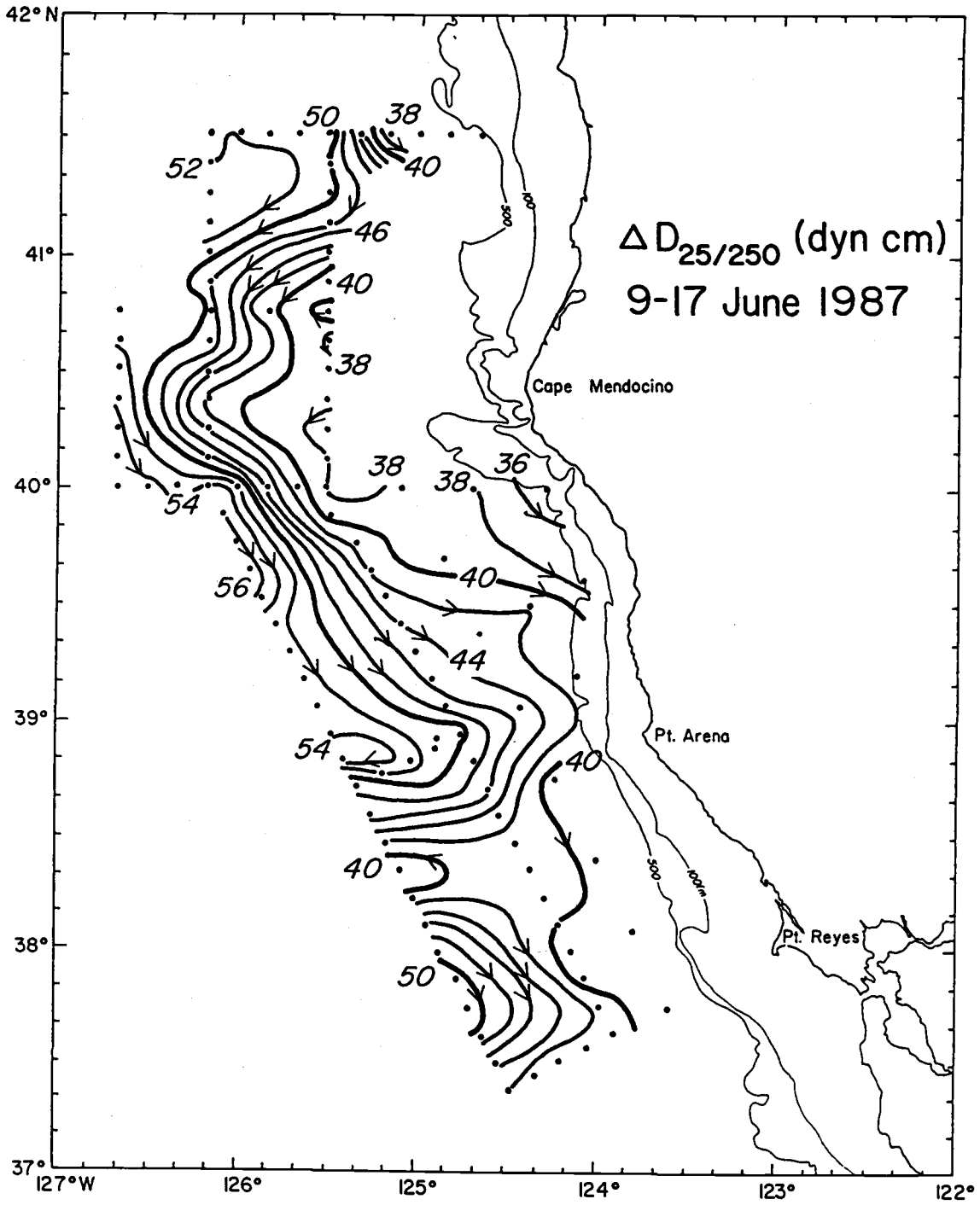


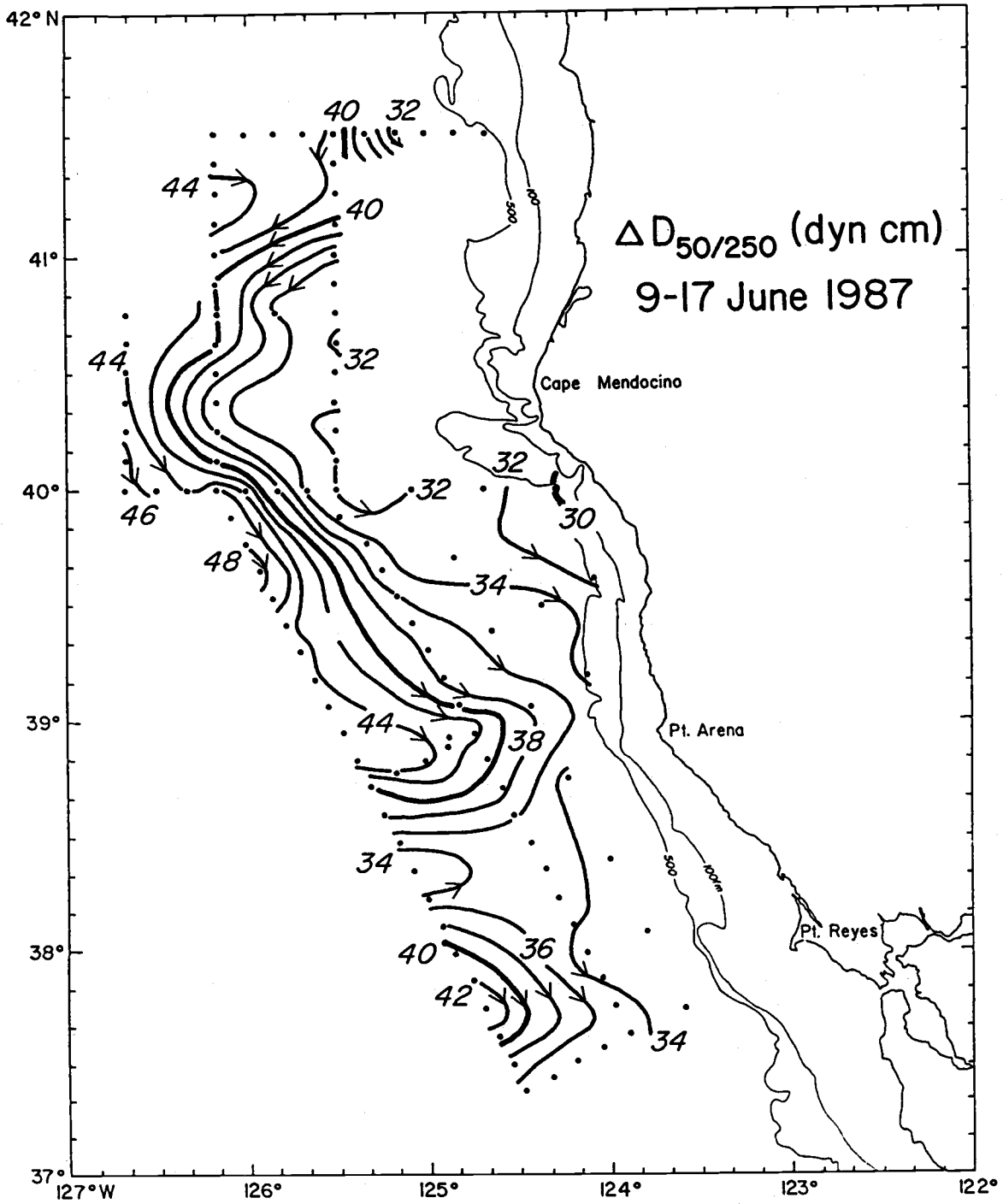


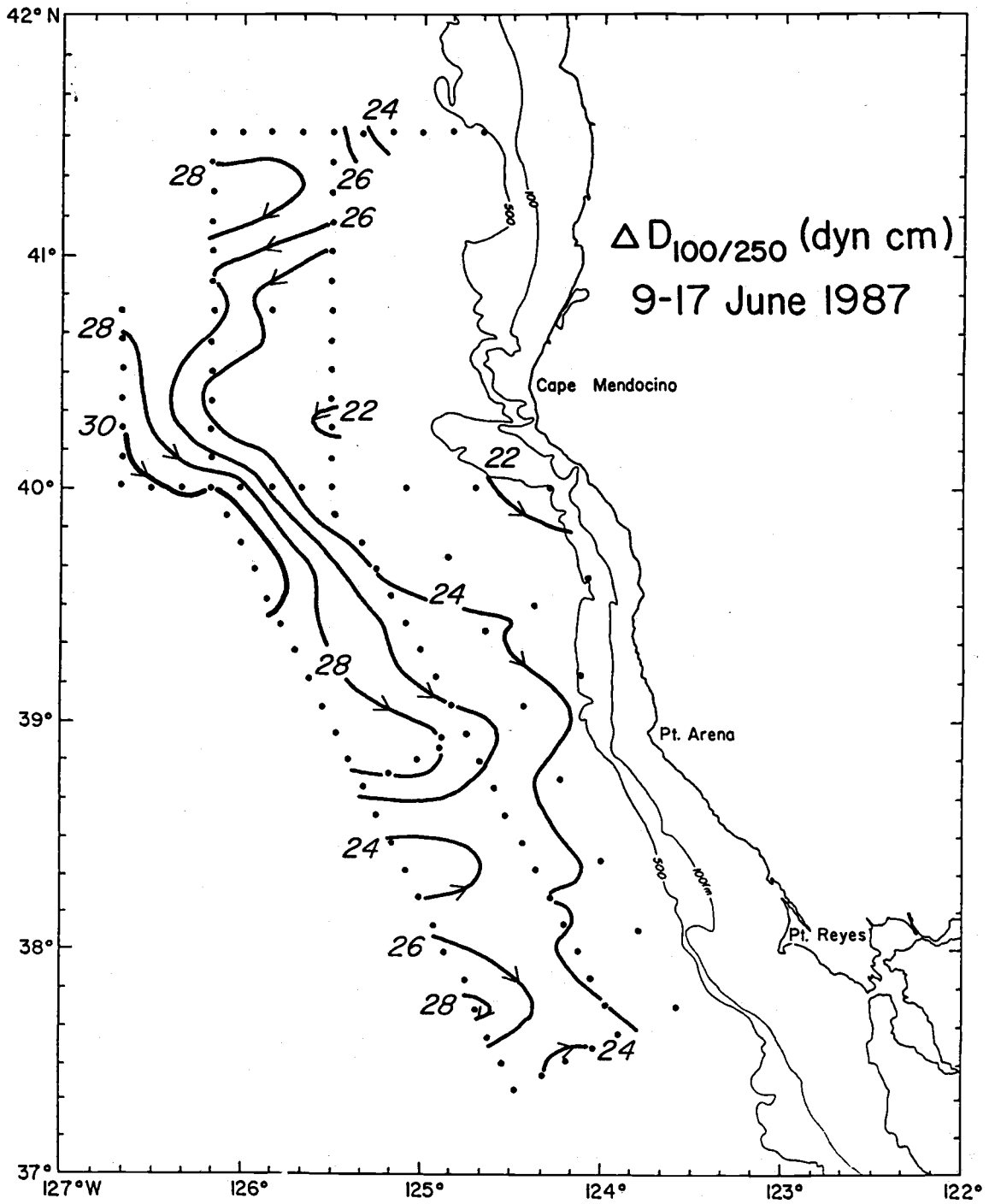


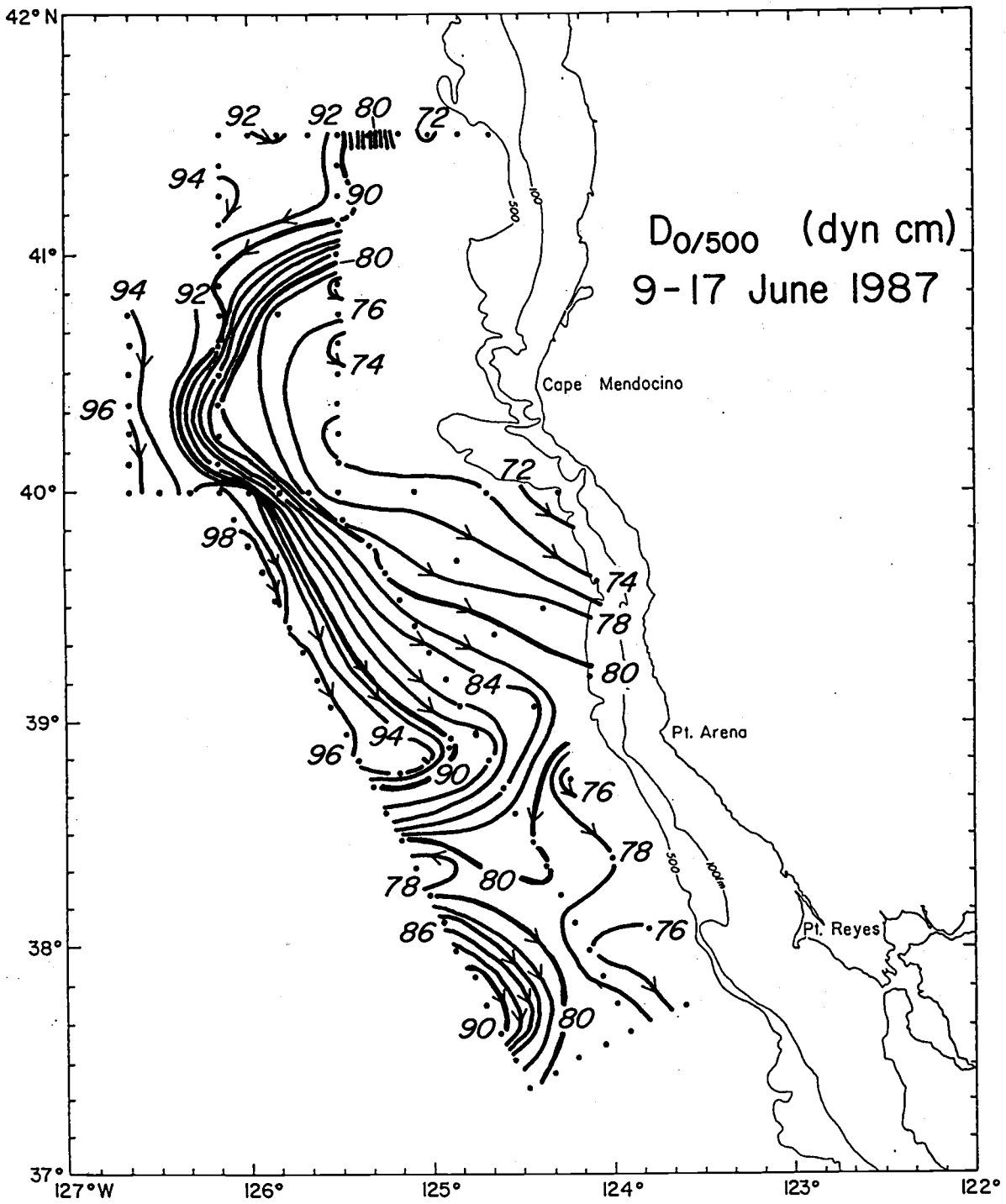


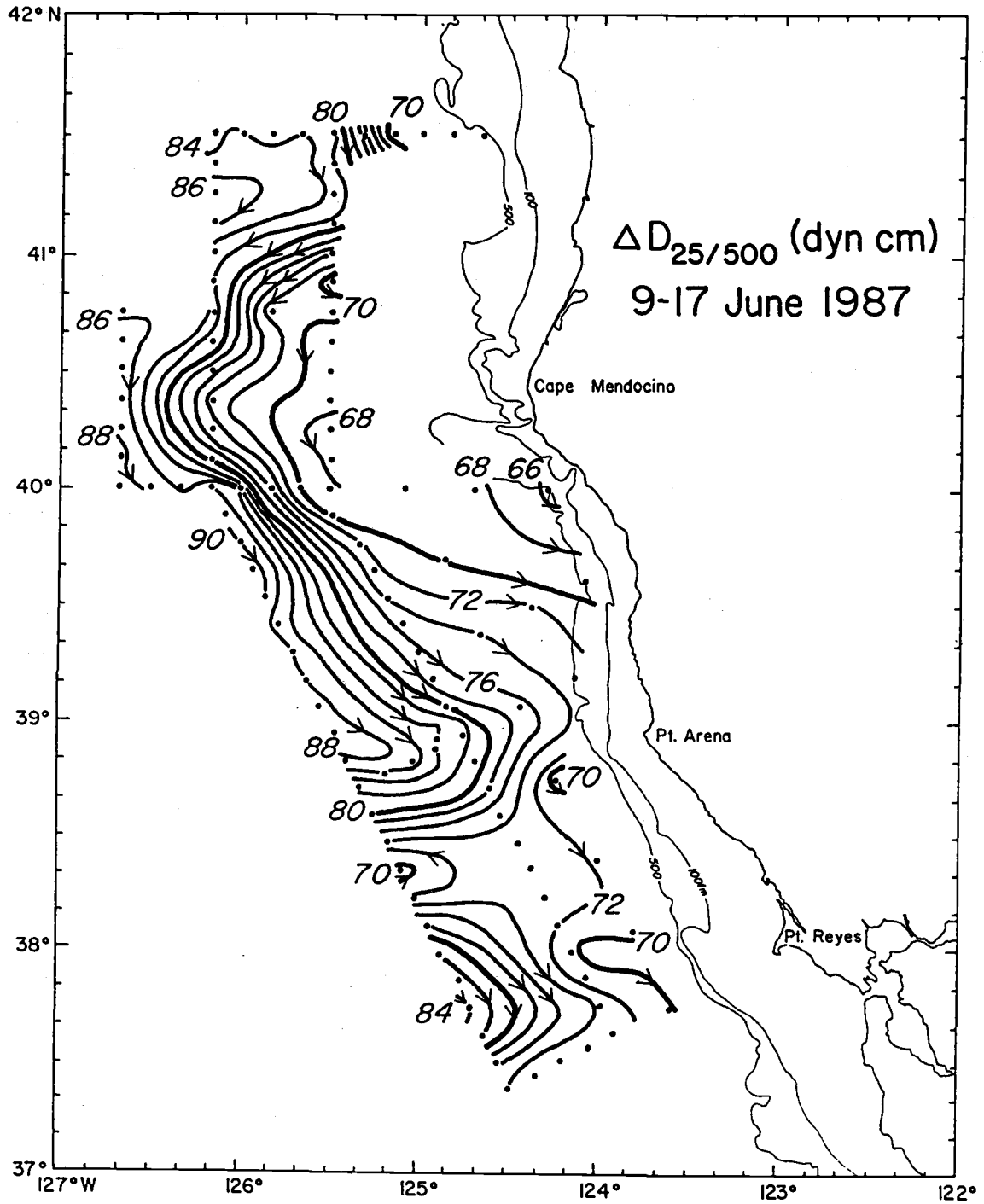


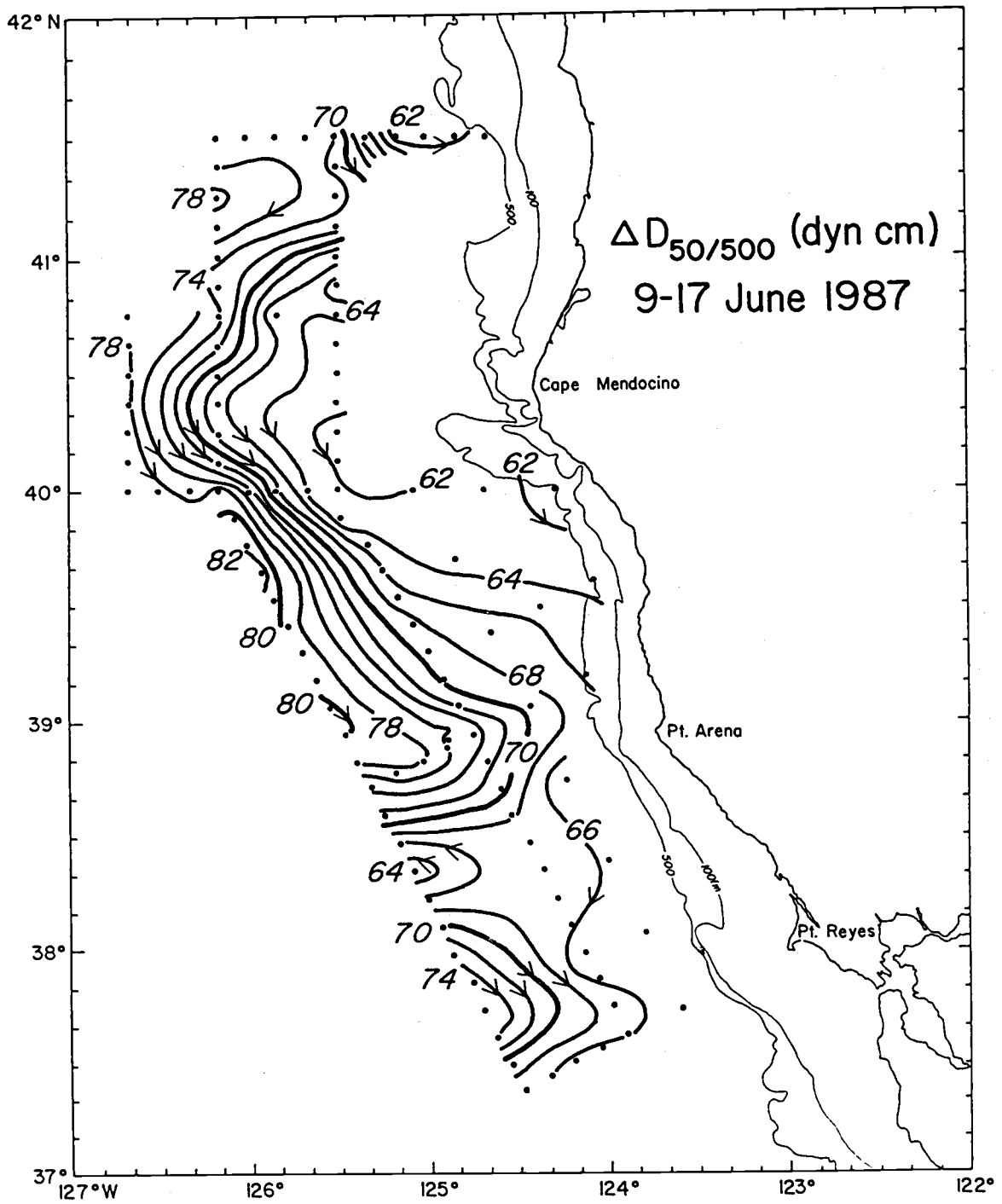


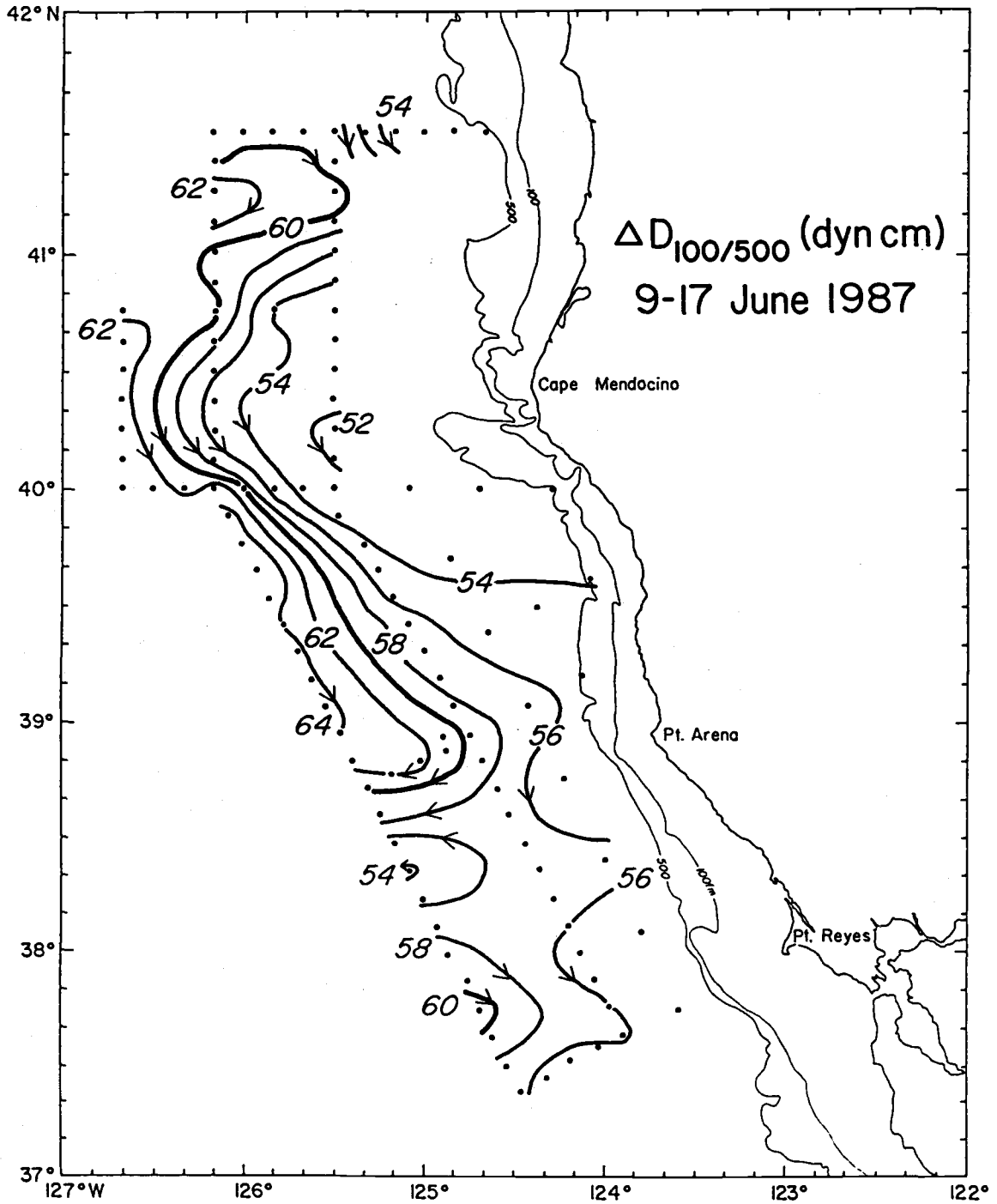


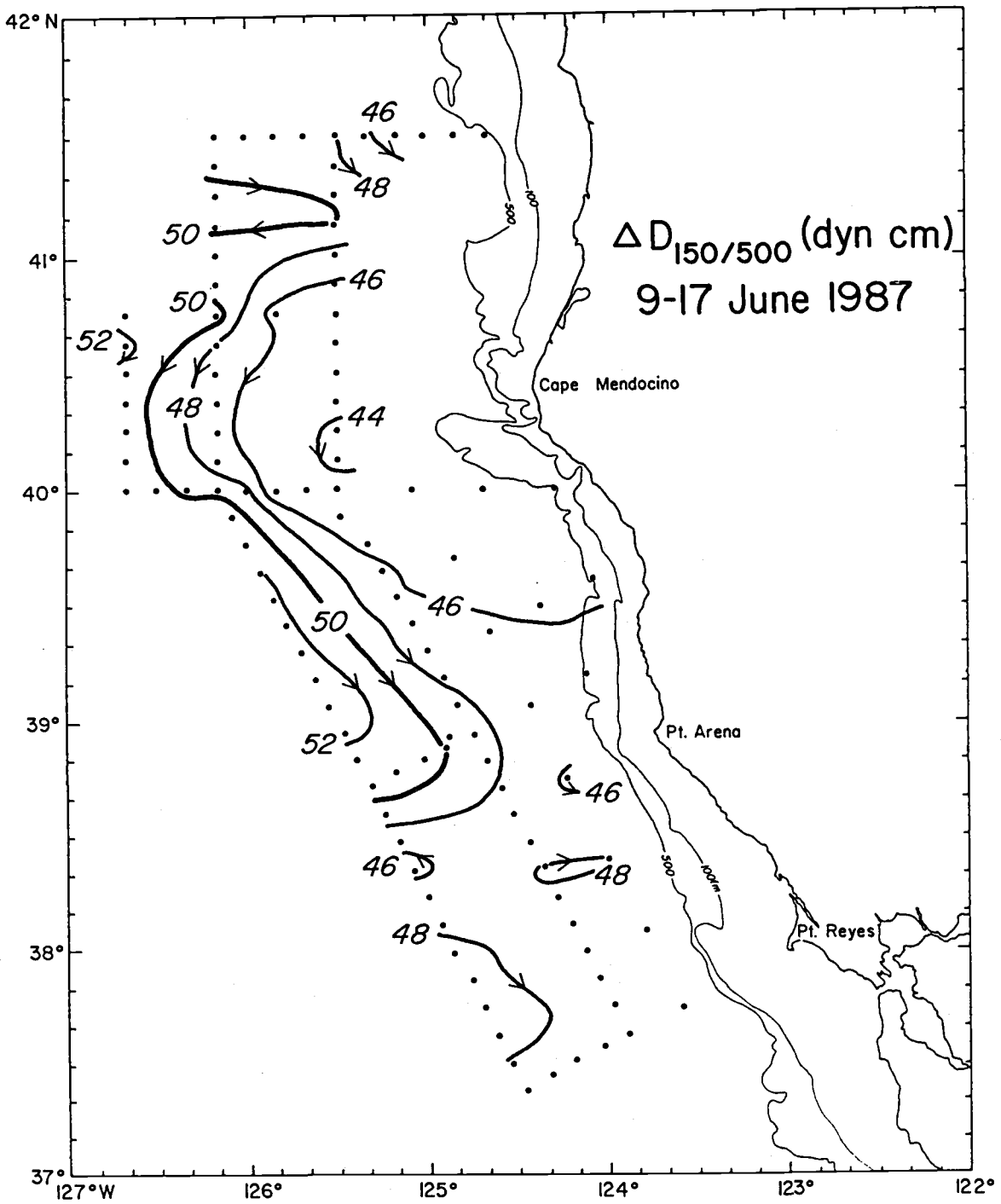


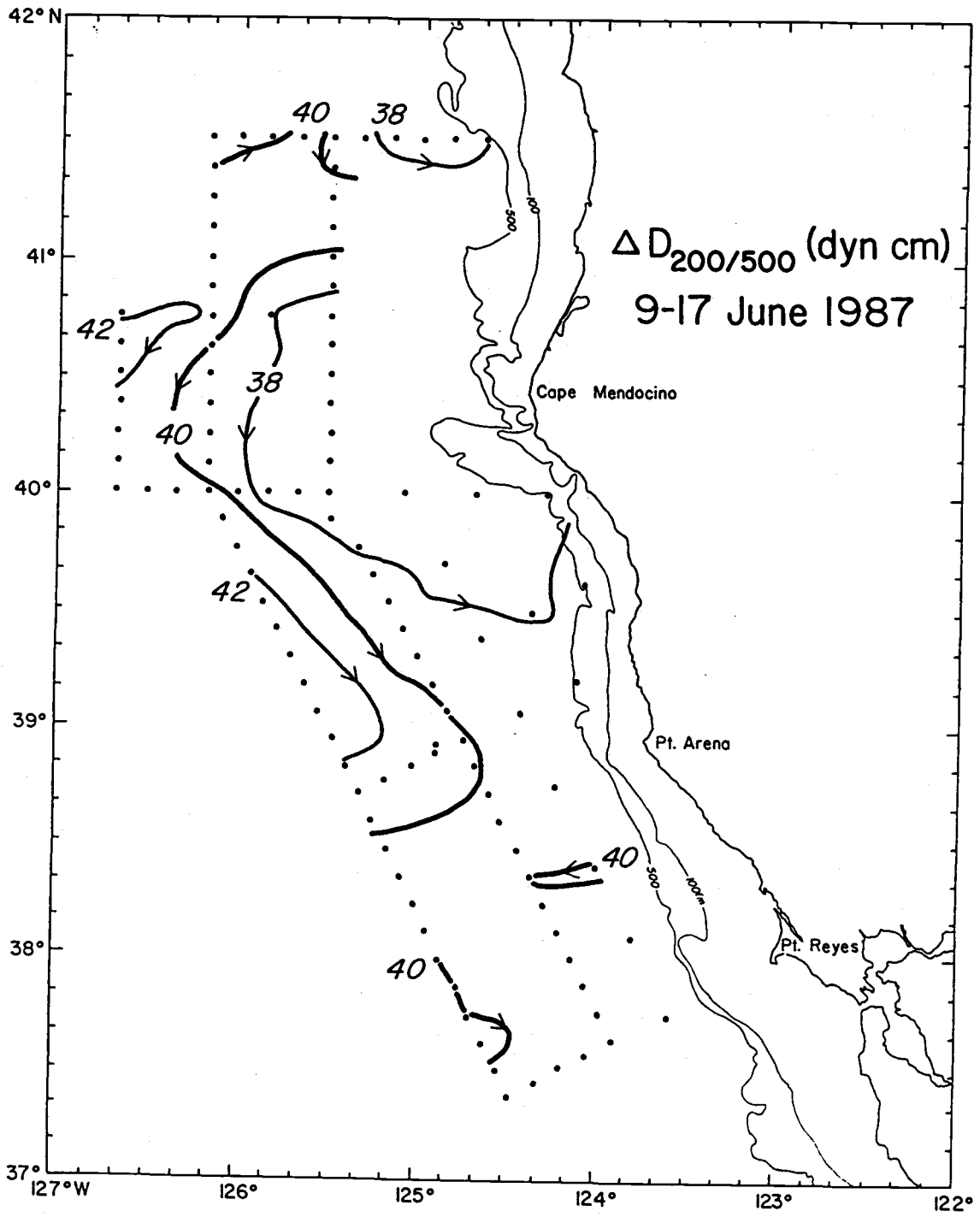




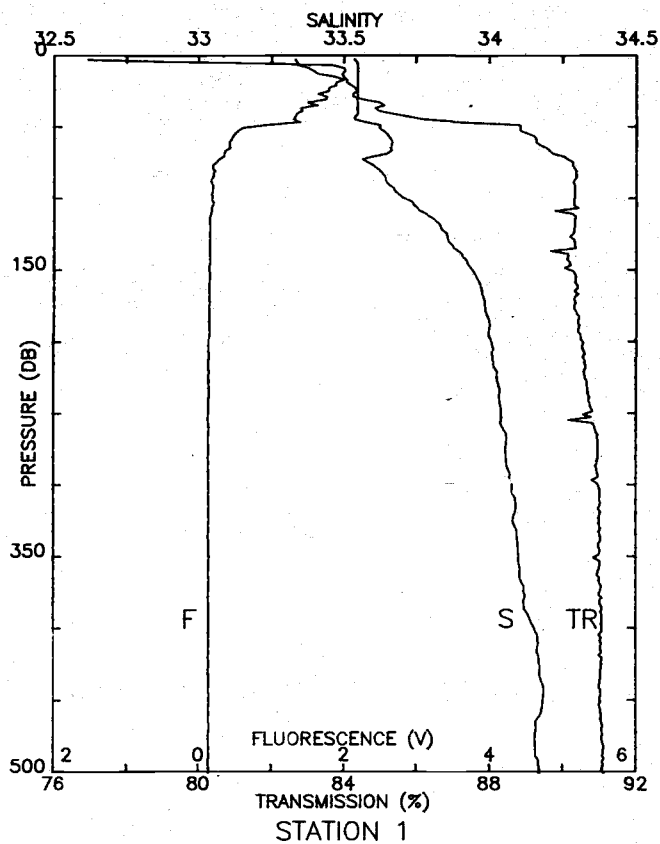
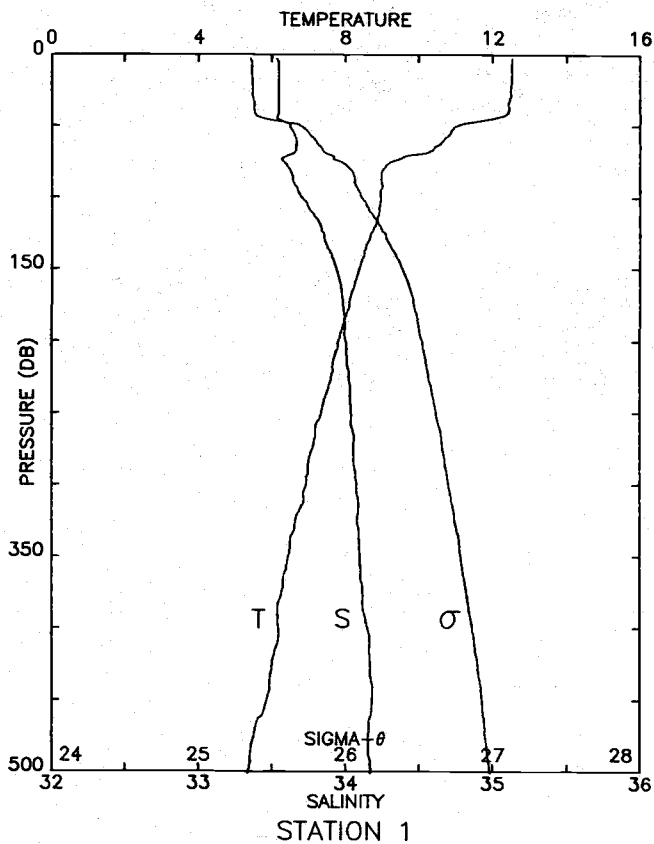






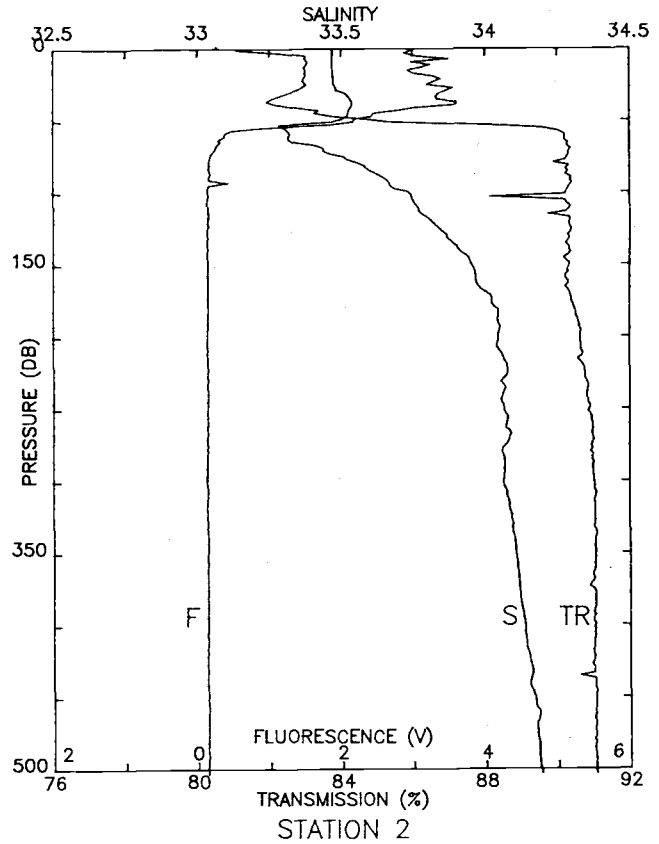
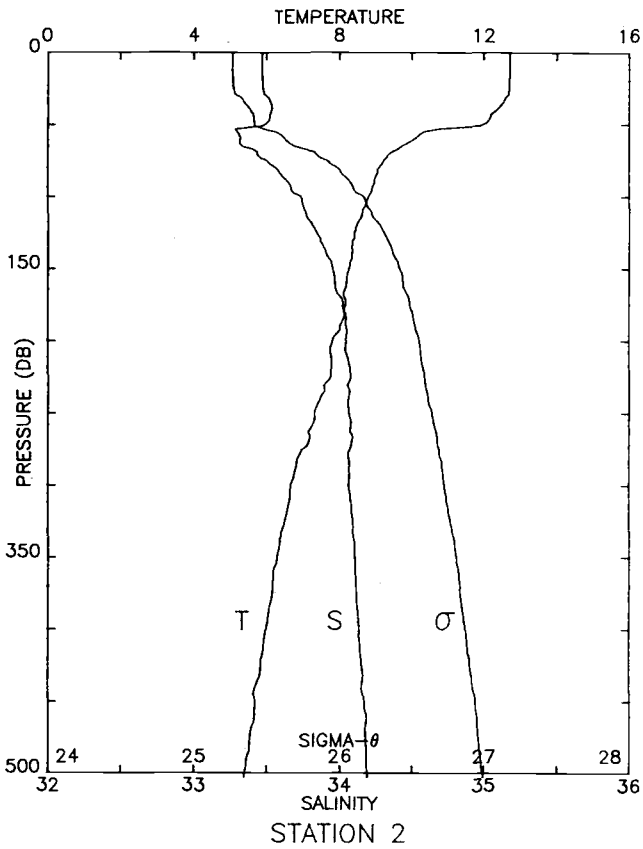


Profile Plots and Listings



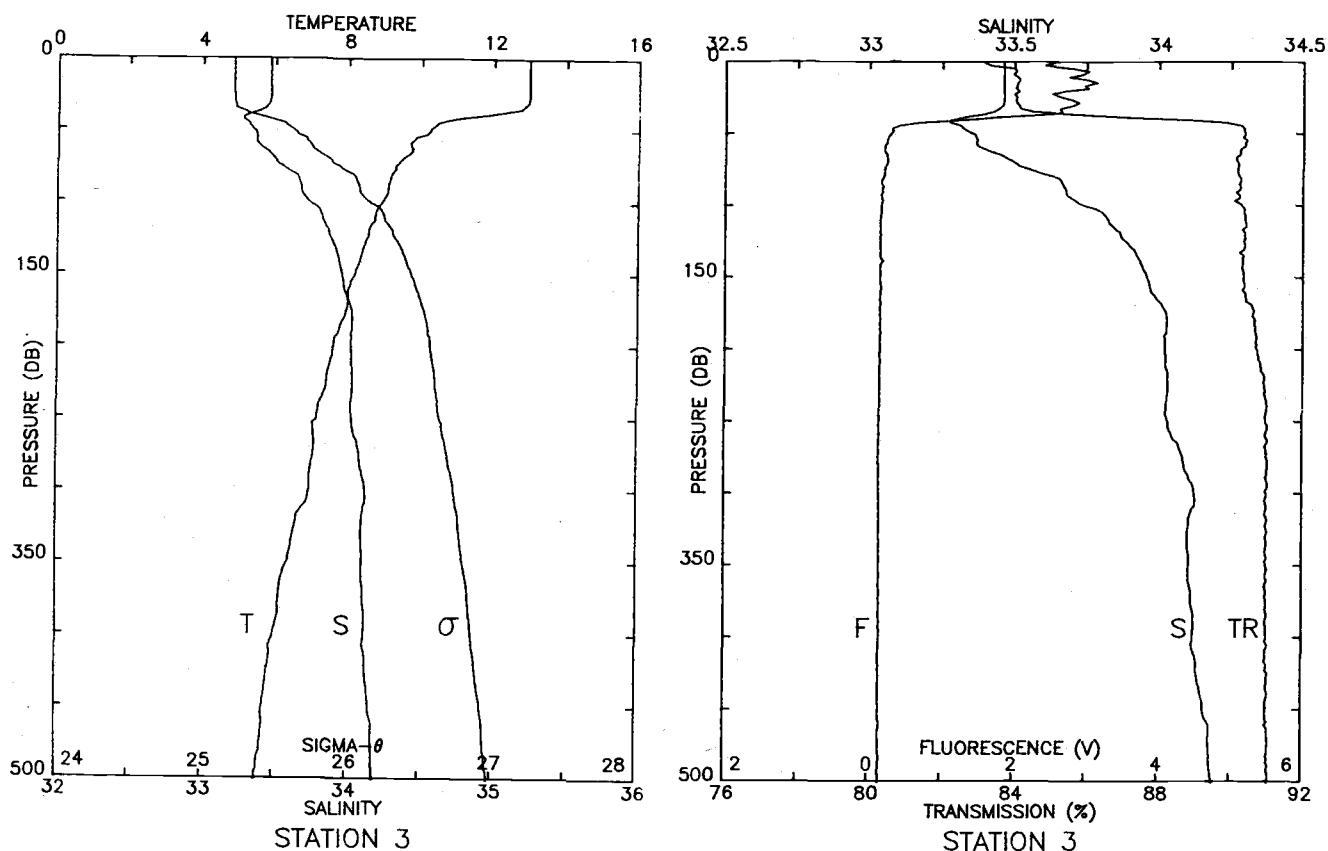
STA NO 1 LAT: 37 38.0 N LONG: 123 54.2 W
 09 JUN 1987 2231 GMT PROBE 2561 DEPTH 3472M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	12.512	33.535	12.512	25.355	261.1	0.008	76.9	1.32
10	12.507	33.547	12.505	25.365	260.3	0.026	84.0	1.55
20	12.496	33.547	12.494	25.367	260.4	0.052	84.1	1.89
30	12.467	33.547	12.463	25.373	260.1	0.078	84.4	1.75
40	12.414	33.547	12.409	25.384	259.3	0.104	85.2	1.38
50	11.055	33.624	11.049	25.696	229.7	0.129	88.8	0.76
60	10.668	33.666	10.661	25.798	220.3	0.151	89.3	0.44
70	9.924	33.625	9.916	25.892	211.4	0.173	89.9	0.35
80	9.030	33.620	9.021	26.035	197.9	0.194	90.3	0.21
90	8.991	33.653	8.981	26.067	195.1	0.213	90.3	0.19
100	8.959	33.707	8.948	26.114	190.8	0.232	90.3	0.18
110	8.906	33.772	8.895	26.173	185.4	0.251	90.0	0.17
120	8.795	33.833	8.782	26.239	179.3	0.269	90.3	0.15
130	8.628	33.862	8.614	26.287	174.9	0.287	90.3	0.15
140	8.497	33.908	8.483	26.344	169.7	0.304	90.1	0.15
150	8.361	33.941	8.346	26.391	165.4	0.321	90.2	0.15
175	8.091	33.984	8.073	26.465	158.7	0.361	90.3	0.14
200	7.805	34.005	7.785	26.524	153.4	0.400	90.5	0.14
225	7.609	34.025	7.587	26.569	149.6	0.438	90.6	0.14
250	7.334	34.041	7.310	26.620	145.0	0.475	90.7	0.14
300	6.930	34.077	6.903	26.706	137.5	0.545	91.0	0.14
400	6.188	34.154	6.153	26.865	123.3	0.676	91.1	0.14
500	5.354	34.172	5.313	26.982	112.7	0.793	91.1	0.14
501	5.345	34.172	5.304	26.983	112.6	0.794	91.1	0.14



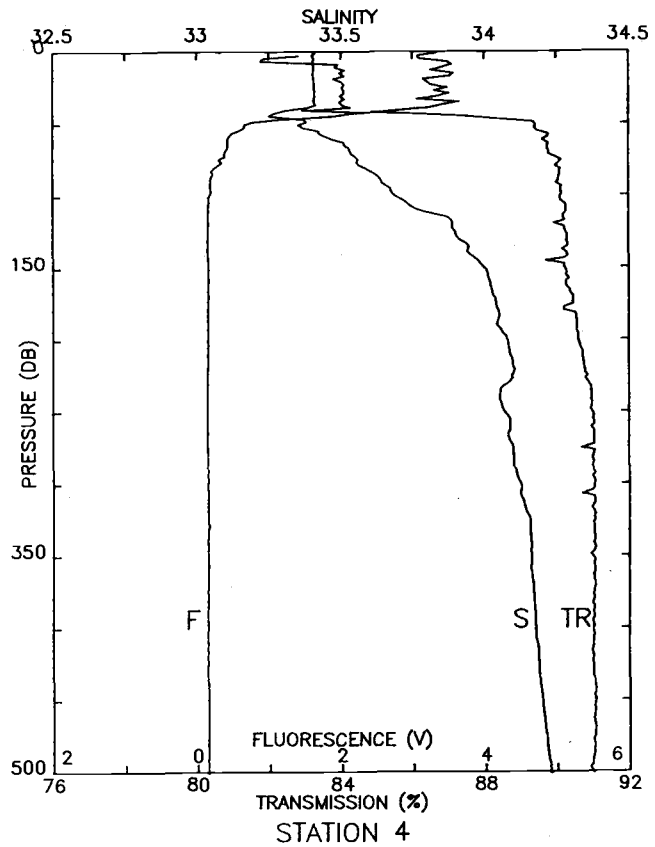
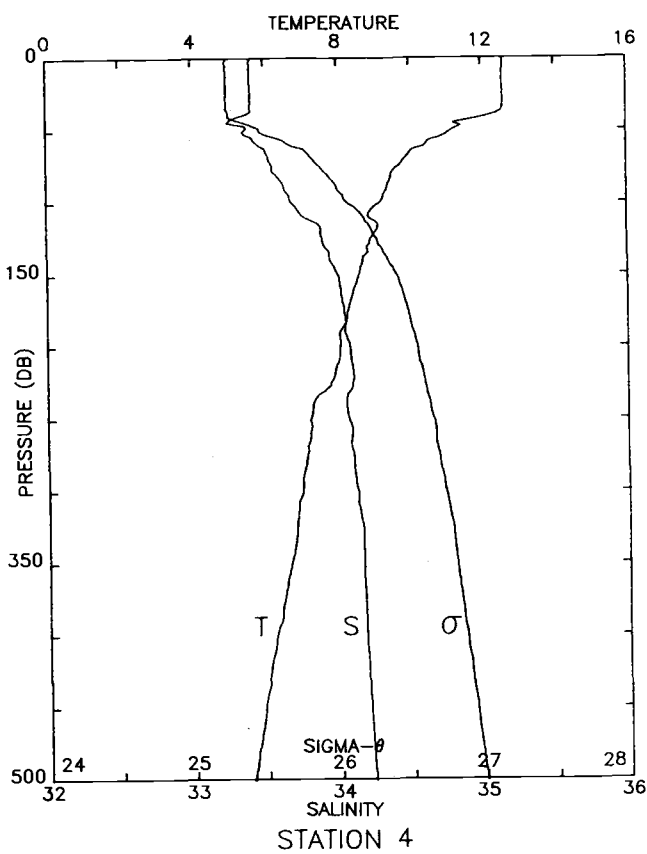
STA NO 2 LAT: 37 34.3 N LONG: 124 2.6 W
 10 JUN 1987 0015 GMT PROBE 2561 DEPTH 3597M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	12.703	33.469	12.703	25.266	269.5	0.003	81.1	2.98
10	12.707	33.468	12.706	25.264	269.9	0.027	83.0	3.11
20	12.700	33.472	12.697	25.269	269.7	0.054	83.0	3.34
30	12.636	33.497	12.632	25.301	266.9	0.081	82.6	3.42
40	12.334	33.536	12.328	25.390	258.7	0.107	82.4	3.32
50	11.976	33.485	11.969	25.419	256.1	0.133	85.0	2.18
60	10.063	33.319	10.056	25.630	236.1	0.157	90.2	0.38
70	9.376	33.438	9.368	25.837	216.6	0.180	90.3	0.24
80	9.071	33.567	9.062	25.987	202.5	0.201	90.1	0.17
90	8.943	33.653	8.933	26.074	194.4	0.221	90.4	0.17
100	8.787	33.739	8.777	26.166	185.9	0.240	90.2	0.15
110	8.623	33.767	8.612	26.214	181.5	0.258	90.3	0.14
120	8.453	33.817	8.441	26.279	175.4	0.276	90.3	0.14
130	8.365	33.868	8.352	26.332	170.6	0.294	90.3	0.14
140	8.329	33.911	8.315	26.372	167.0	0.310	90.3	0.14
150	8.251	33.952	8.236	26.416	163.0	0.327	90.3	0.14
175	8.153	34.023	8.136	26.487	156.7	0.367	90.4	0.15
200	7.800	34.044	7.780	26.556	150.4	0.405	90.6	0.14
225	7.744	34.076	7.722	26.589	147.7	0.442	90.8	0.14
250	7.304	34.064	7.281	26.643	142.8	0.479	90.9	0.14
300	6.668	34.063	6.641	26.729	135.0	0.548	91.0	0.13
400	5.984	34.136	5.950	26.876	122.0	0.676	91.0	0.14
500	5.392	34.191	5.351	26.993	111.7	0.793	91.0	0.14
503	5.386	34.193	5.344	26.996	111.5	0.796	91.1	0.14



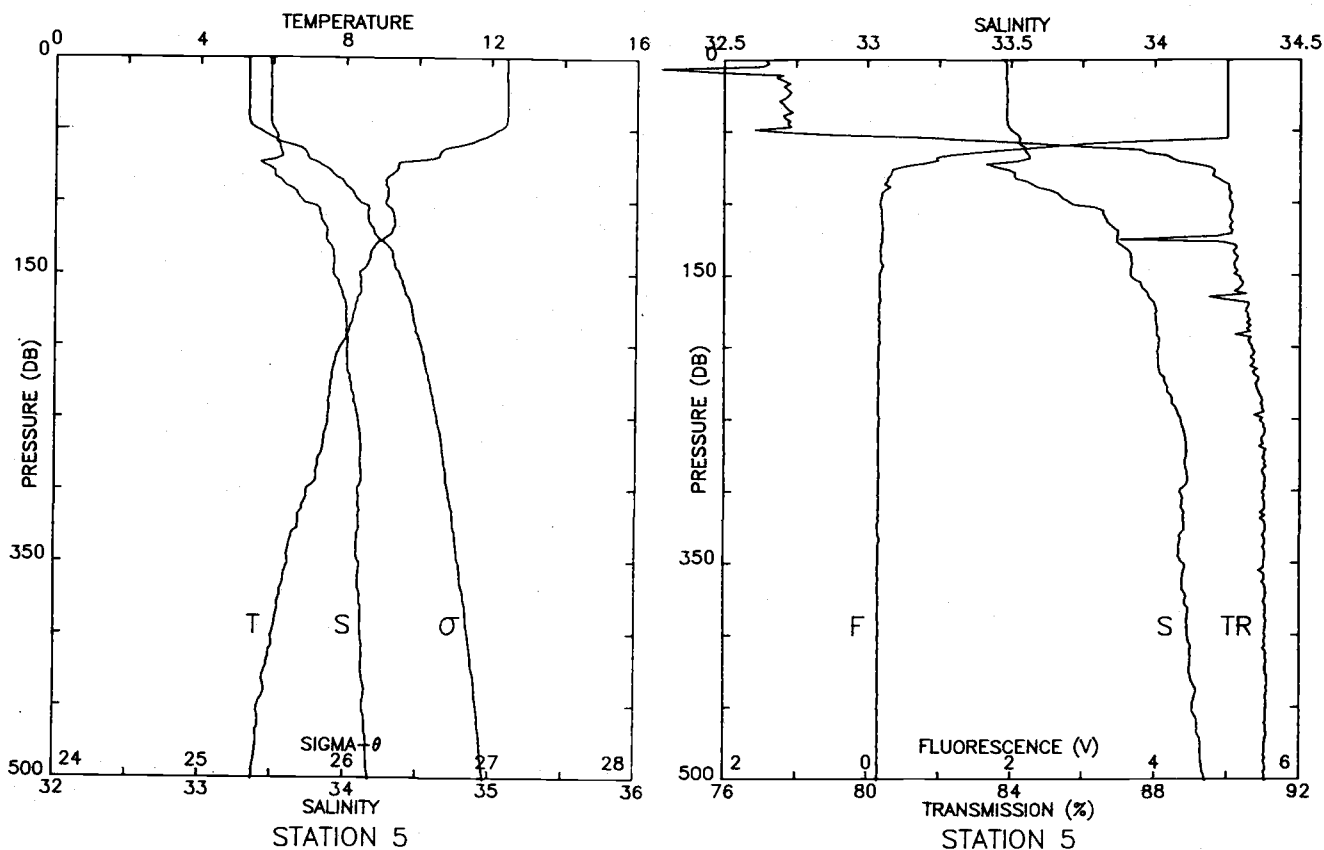
STA NO 3 LAT: 37 30.9 N LONG: 124 11.5 W
 10 JUN 1987 0146 GMT PROBE 2561 DEPTH 3598M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	12.960	33.462	12.960	25.210	274.8	0.003	83.2	2.56
10	12.962	33.461	12.960	25.210	275.1	0.027	84.0	2.85
20	12.962	33.462	12.960	25.210	275.3	0.055	84.1	2.85
30	12.935	33.459	12.931	25.213	275.3	0.083	84.1	2.85
40	11.479	33.302	11.474	25.367	260.8	0.110	88.0	1.54
50	10.226	33.350	10.220	25.627	236.2	0.134	90.4	0.30
60	9.686	33.383	9.679	25.743	225.3	0.157	90.3	0.21
70	9.458	33.497	9.450	25.869	213.5	0.179	90.2	0.25
80	9.203	33.634	9.194	26.018	199.6	0.200	90.2	0.20
90	9.082	33.681	9.072	26.074	194.4	0.220	90.2	0.18
100	8.918	33.740	8.908	26.146	187.8	0.239	90.3	0.17
110	8.719	33.825	8.708	26.244	178.6	0.257	90.4	0.16
120	8.556	33.868	8.543	26.303	173.2	0.275	90.4	0.16
130	8.431	33.908	8.418	26.354	168.5	0.292	90.4	0.15
140	8.309	33.938	8.295	26.396	164.7	0.308	90.3	0.18
150	8.175	33.959	8.160	26.433	161.4	0.325	90.4	0.15
175	7.941	34.027	7.924	26.521	153.4	0.364	90.6	0.15
200	7.602	34.022	7.582	26.567	149.3	0.402	90.7	0.15
225	7.416	34.032	7.394	26.601	146.4	0.439	90.9	0.15
250	7.177	34.034	7.154	26.637	143.3	0.475	91.0	0.15
300	6.975	34.127	6.947	26.738	134.4	0.544	91.0	0.14
400	6.001	34.122	5.967	26.863	123.3	0.673	91.0	0.15
500	5.515	34.191	5.474	26.979	113.2	0.791	91.1	0.15
501	5.509	34.192	5.468	26.980	113.1	0.792	91.1	0.15



STA NO 4 LAT: 37 26.8 N LONG: 124 19.5 W
 10 JUN 1987 0318 GMT PROBE 2561 DEPTH 3933M

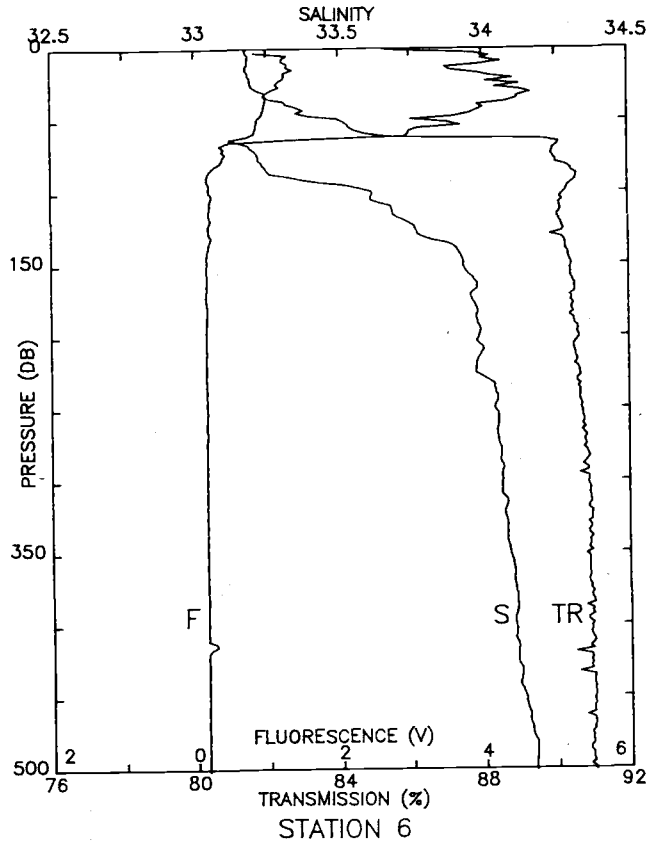
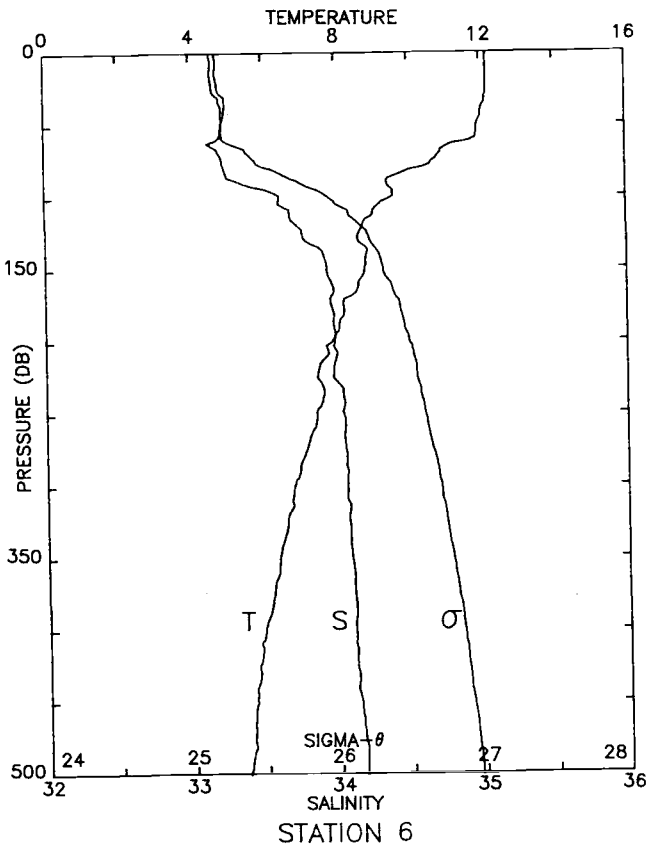
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	12.599	33.410	12.599	25.240	271.9	0.003	70.2	3.34
10	12.575	33.404	12.574	25.241	272.1	0.027	83.9	3.47
20	12.585	33.407	12.582	25.241	272.3	0.054	83.9	3.17
30	12.595	33.409	12.591	25.242	272.6	0.082	84.0	3.43
40	12.245	33.345	12.240	25.259	271.2	0.109	83.6	2.98
50	11.194	33.367	11.188	25.471	251.1	0.135	89.4	0.72
60	10.443	33.462	10.436	25.677	231.7	0.159	89.7	0.44
70	9.854	33.535	9.846	25.834	216.9	0.181	89.8	0.40
80	9.496	33.577	9.487	25.926	208.3	0.203	90.0	0.27
90	9.365	33.643	9.355	25.999	201.6	0.223	90.0	0.19
100	9.163	33.690	9.153	26.068	195.2	0.243	90.1	0.18
110	8.868	33.772	8.857	26.179	184.8	0.262	90.3	0.16
120	9.054	33.888	9.041	26.241	179.2	0.280	90.1	0.16
130	8.835	33.909	8.822	26.292	174.5	0.298	90.3	0.16
140	8.670	33.945	8.656	26.346	169.5	0.315	90.3	0.16
150	8.568	33.998	8.553	26.404	164.2	0.332	90.2	0.16
175	8.263	34.041	8.245	26.484	157.0	0.372	90.5	0.16
200	8.037	34.079	8.017	26.548	151.3	0.410	90.6	0.15
225	7.778	34.095	7.756	26.599	146.8	0.448	90.9	0.15
250	7.225	34.069	7.202	26.657	141.4	0.484	91.0	0.15
300	6.973	34.125	6.945	26.737	134.5	0.553	91.1	0.15
400	6.239	34.177	6.204	26.876	122.3	0.681	91.0	0.15
500	5.581	34.229	5.539	27.000	111.3	0.798	91.0	0.15
501	5.578	34.229	5.536	27.001	111.2	0.799	91.0	0.15



STA NO 5 LAT: 37 23.0 N LONG: 124 28.2 W
 10 JUN 1987 0451 GMT PROBE 2561 DEPTH 4047M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	12.410	33.478	12.410	25.330	263.4	0.003	77.2	5.00
10	12.420	33.483	12.419	25.332	263.5	0.026	76.7	5.00
20	12.427	33.485	12.425	25.332	263.7	0.053	77.7	5.00
30	12.429	33.485	12.425	25.332	263.9	0.079	77.6	5.00
40	12.426	33.482	12.421	25.331	264.3	0.105	77.7	5.00
50	12.209	33.505	12.203	25.390	258.9	0.132	77.3	5.00
60	11.290	33.537	11.282	25.586	240.5	0.157	85.5	2.75
70	10.404	33.542	10.396	25.746	225.3	0.180	88.6	0.96
80	9.318	33.512	9.309	25.904	210.4	0.202	89.6	0.32
90	9.134	33.615	9.125	26.014	200.1	0.222	90.0	0.28
100	9.094	33.709	9.083	26.094	192.7	0.242	90.1	0.17
110	9.324	33.829	9.312	26.152	187.5	0.260	90.1	0.19
120	9.283	33.872	9.270	26.192	183.9	0.279	90.1	0.20
130	8.820	33.891	8.806	26.281	175.6	0.297	90.2	0.18
140	8.650	33.920	8.635	26.330	171.1	0.314	90.2	0.18
150	8.381	33.918	8.365	26.369	167.4	0.331	90.3	0.16
175	8.254	34.006	8.236	26.458	159.4	0.372	90.5	0.15
200	7.867	34.013	7.847	26.521	153.7	0.412	90.7	0.15
225	7.586	34.036	7.564	26.581	148.4	0.449	90.8	0.15
250	7.516	34.089	7.492	26.633	143.9	0.486	90.9	0.16
300	6.951	34.086	6.923	26.710	137.1	0.556	91.0	0.15
400	6.024	34.115	5.989	26.855	124.1	0.686	91.1	0.15
500	5.499	34.176	5.457	26.969	114.1	0.805	91.1	0.15
501	5.491	34.178	5.449	26.971	113.9	0.806	91.1	0.15

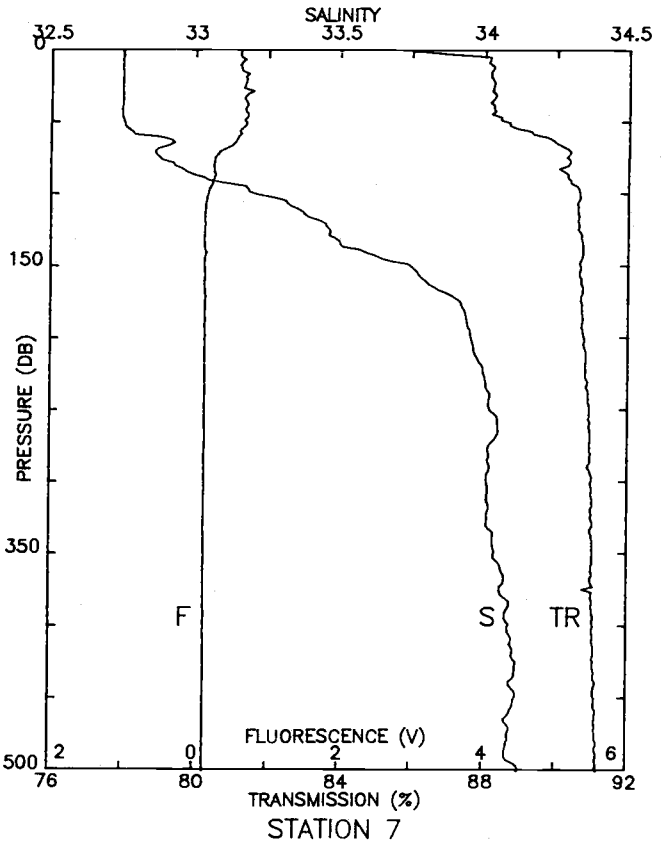
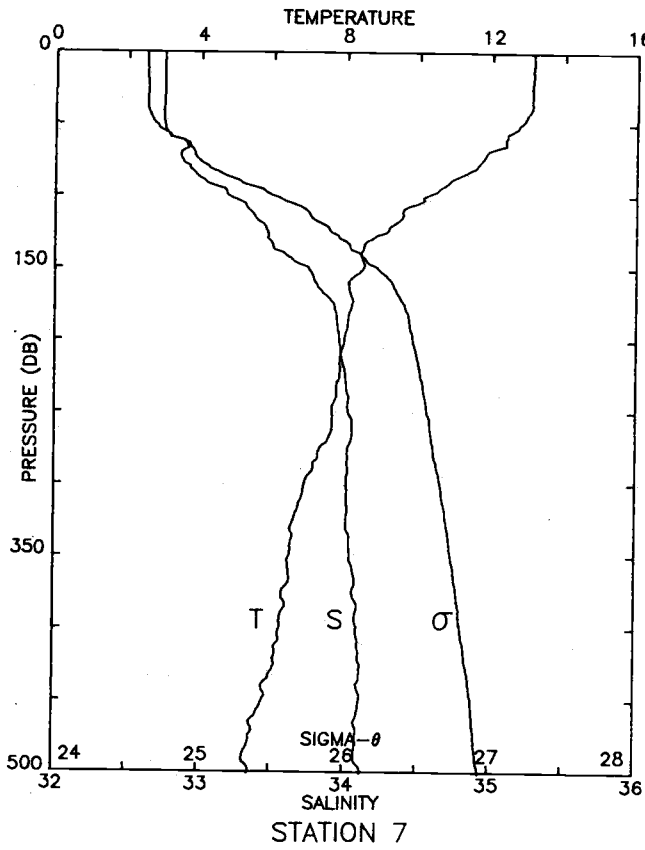
LIN INT SAL 49-53 DB



STA NO 6 LAT: 37 30.2 N LONG: 124 32.6 W
10 JUN 1987 0683 GMT PROBE 2561 DEPTH 4048M

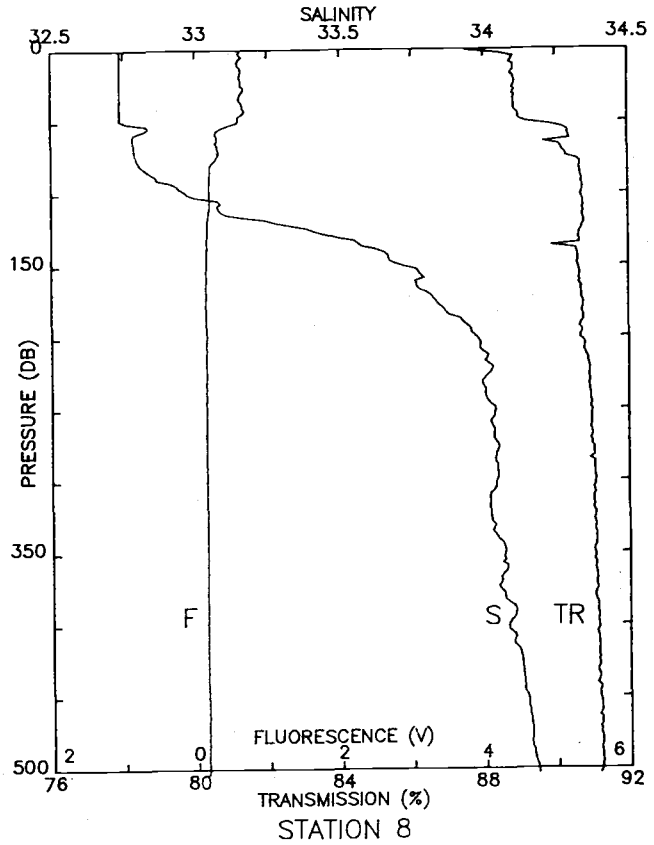
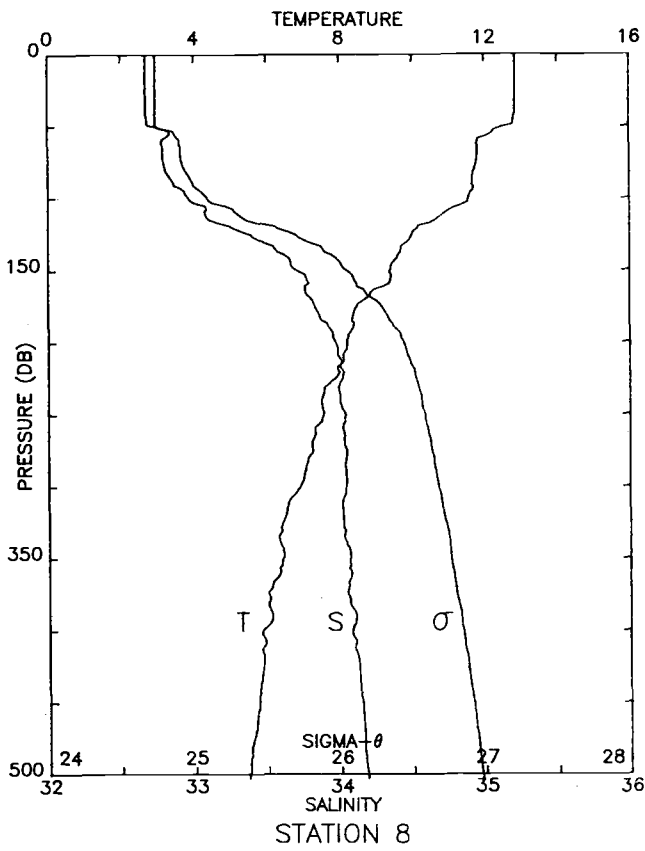
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	12.171	33.177	12.171	25.142	281.3	0.003	51.5	2.67
10	12.172	33.184	12.171	25.147	281.0	0.028	82.5	4.11
20	12.172	33.190	12.170	25.152	280.8	0.056	82.5	4.27
30	12.150	33.231	12.146	25.188	277.6	0.084	82.1	4.60
40	12.025	33.243	12.020	25.221	274.7	0.112	82.7	3.97
50	11.911	33.217	11.904	25.223	274.8	0.139	84.0	3.27
60	11.778	33.193	11.771	25.229	274.4	0.167	85.0	2.95
70	10.864	33.202	10.856	25.402	258.1	0.193	89.9	0.40
80	10.229	33.234	10.220	25.537	245.4	0.219	90.2	0.32
90	9.413	33.346	9.404	25.759	224.4	0.242	90.6	0.17
100	9.524	33.617	9.513	25.953	206.2	0.264	90.2	0.22
110	9.028	33.686	9.016	26.087	193.6	0.284	90.1	0.21
120	8.723	33.737	8.711	26.175	185.4	0.303	90.1	0.21
130	8.599	33.785	8.585	26.232	180.1	0.321	90.0	0.21
140	8.824	33.913	8.809	26.297	174.2	0.339	90.3	0.17
150	8.771	33.933	8.755	26.321	172.1	0.356	90.4	0.16
175	8.181	33.963	8.163	26.435	161.6	0.398	90.4	0.16
200	7.870	33.984	7.850	26.498	155.9	0.437	90.6	0.15
225	7.438	33.972	7.416	26.552	151.1	0.475	90.6	0.16
250	7.419	34.039	7.395	26.607	146.3	0.513	90.7	0.16
300	6.800	34.063	6.773	26.712	136.8	0.583	90.9	0.15
400	5.934	34.104	5.900	26.857	123.8	0.713	90.9	0.15
500	5.466	34.172	5.425	26.969	114.0	0.832	91.0	0.15
501	5.462	34.173	5.421	26.971	113.9	0.833	91.0	0.15

LIN INT SAL 37-45 DB



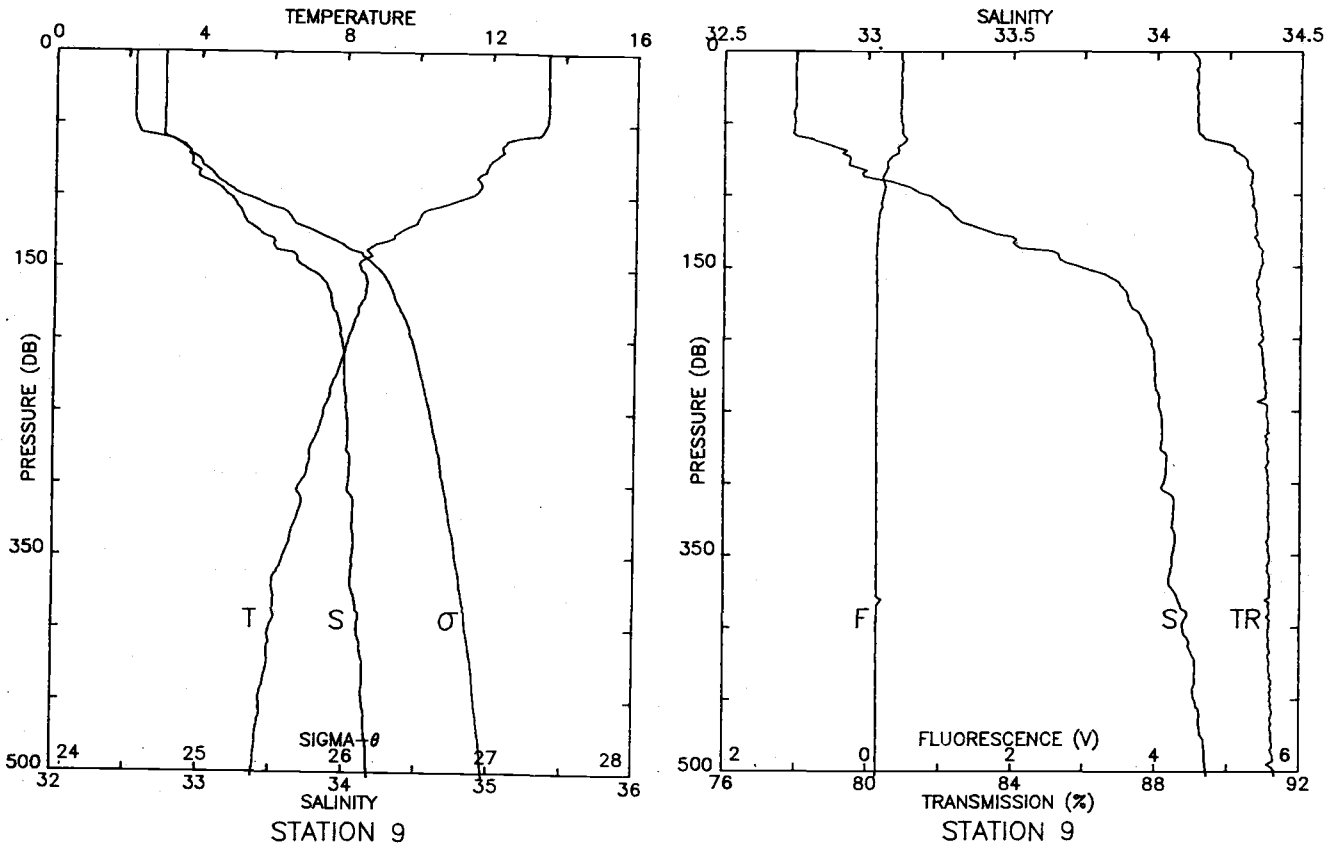
STA NO 7 LAT: 37 37.4 N LONG: 124 37.3 W
10 JUN 1987 0836 GMT PROBE 2561 DEPTH 3997M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	13.112	32.746	13.112	24.626	330.4	0.003	86.0	0.61
10	13.114	32.746	13.113	24.626	330.7	0.033	88.1	0.61
20	13.099	32.746	13.096	24.629	330.6	0.066	88.2	0.68
30	13.088	32.746	13.084	24.632	330.6	0.099	88.2	0.76
40	13.051	32.744	13.045	24.637	330.4	0.132	88.2	0.69
50	12.783	32.751	12.777	24.696	325.0	0.165	88.5	0.68
60	12.390	32.836	12.382	24.837	311.8	0.197	89.5	0.60
70	11.868	32.866	11.859	24.959	300.4	0.227	90.3	0.38
80	11.583	32.928	11.573	25.059	291.0	0.257	90.3	0.26
90	10.837	33.038	10.826	25.279	270.2	0.285	90.4	0.26
100	10.189	33.202	10.178	25.519	247.6	0.311	90.6	0.18
110	9.558	33.344	9.546	25.735	227.1	0.335	90.6	0.14
120	9.265	33.442	9.252	25.858	215.5	0.357	90.6	0.14
130	8.659	33.474	8.645	25.978	204.2	0.378	90.7	0.13
140	8.411	33.583	8.397	26.102	192.6	0.398	90.7	0.15
150	8.465	33.747	8.450	26.222	181.4	0.417	90.7	0.13
175	8.166	33.919	8.149	26.403	164.6	0.460	90.7	0.14
200	7.962	33.956	7.943	26.463	159.3	0.500	90.8	0.14
225	7.836	33.999	7.814	26.515	154.7	0.539	90.8	0.14
250	7.637	34.022	7.613	26.562	150.6	0.577	90.9	0.14
300	6.894	34.012	6.866	26.659	141.9	0.651	91.0	0.14
400	6.245	34.089	6.209	26.807	128.9	0.786	91.1	0.14
500	5.426	34.125	5.385	26.937	117.0	0.908	91.2	0.14
501	5.412	34.125	5.371	26.938	116.9	0.909	91.2	0.14



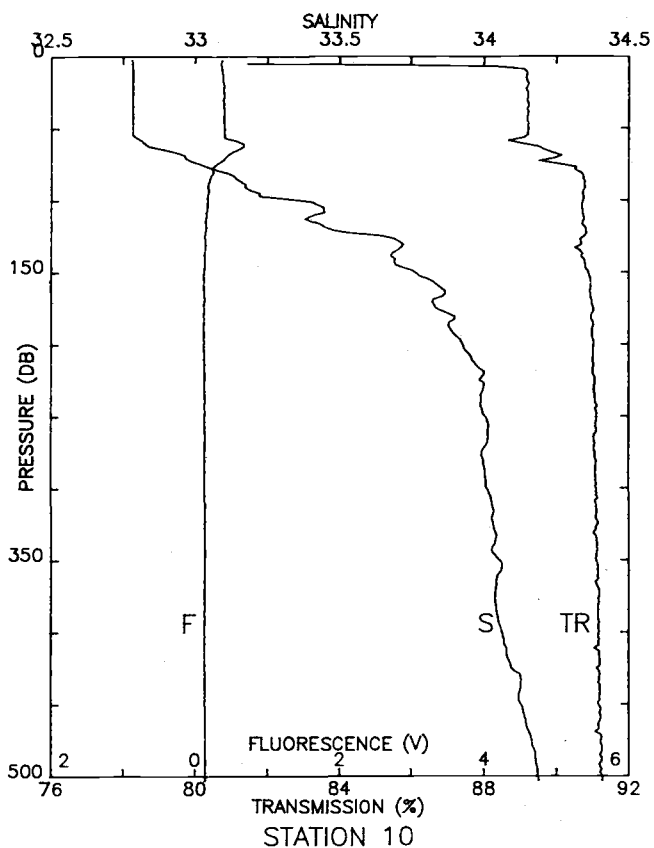
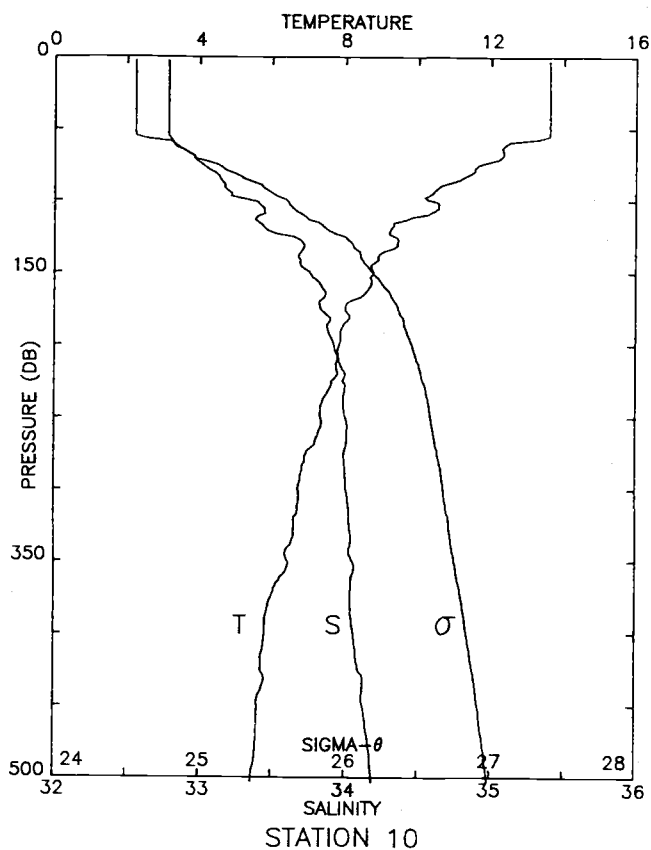
STA NO 8 LAT: 37 44.7 N LONG: 124 41.9 W
10 JUN 1987 1038 GMT PROBE 2561 DEPTH 3866M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
1	12.844	32.737	12.843	24.671	326.1	0.003	87.5	0.62
10	12.848	32.737	12.847	24.671	326.4	0.033	88.8	0.59
20	12.850	32.737	12.847	24.671	326.6	0.065	88.9	0.63
30	12.844	32.738	12.840	24.673	326.7	0.098	88.9	0.65
40	12.845	32.738	12.840	24.673	327.0	0.131	88.9	0.67
50	12.615	32.748	12.608	24.726	322.2	0.163	89.1	0.60
60	11.818	32.784	11.811	24.904	305.3	0.194	90.4	0.30
70	11.791	32.787	11.782	24.912	304.9	0.225	90.2	0.32
80	11.720	32.805	11.710	24.939	302.5	0.255	90.7	0.21
90	11.655	32.864	11.643	24.997	297.2	0.285	90.7	0.19
100	11.556	32.967	11.544	25.095	288.1	0.314	90.7	0.19
110	10.936	33.078	10.923	25.293	269.4	0.342	90.7	0.19
120	10.148	33.261	10.135	25.572	243.0	0.368	90.8	0.16
130	9.853	33.472	9.838	25.787	222.7	0.391	90.6	0.15
140	9.583	33.639	9.567	25.962	206.2	0.413	90.6	0.15
150	9.373	33.712	9.357	26.053	197.7	0.433	90.6	0.14
175	8.466	33.835	8.448	26.292	175.3	0.480	90.7	0.14
200	8.189	33.970	8.169	26.440	161.6	0.522	90.6	0.14
225	7.885	34.020	7.863	26.524	153.9	0.561	90.9	0.14
250	7.552	34.038	7.528	26.587	148.2	0.599	91.0	0.14
300	6.914	34.042	6.886	26.680	139.9	0.671	91.1	0.14
400	5.860	34.080	5.826	26.848	124.6	0.803	91.1	0.14
500	5.477	34.182	5.436	26.976	113.5	0.922	91.2	0.15
503	5.458	34.183	5.416	26.979	113.2	0.925	91.2	0.14



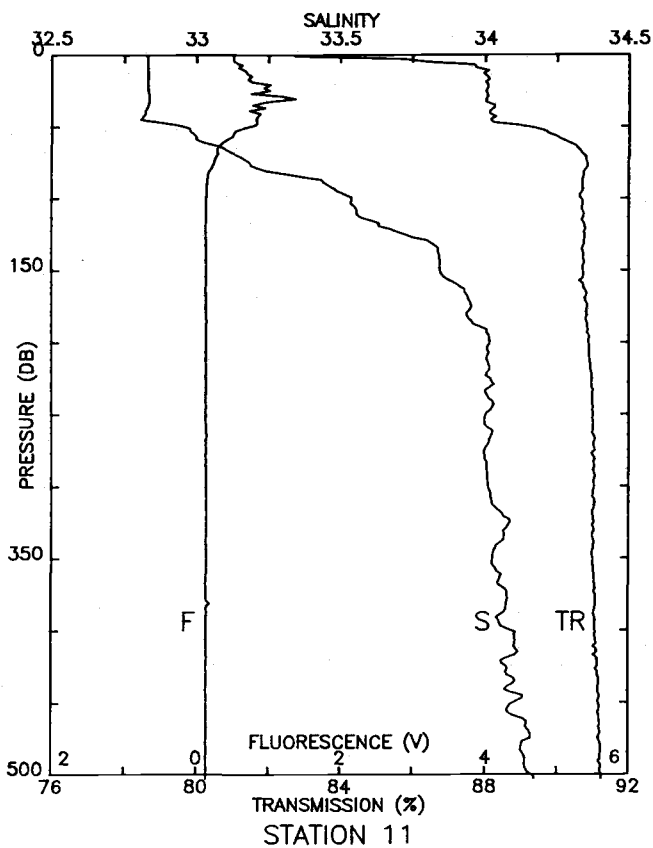
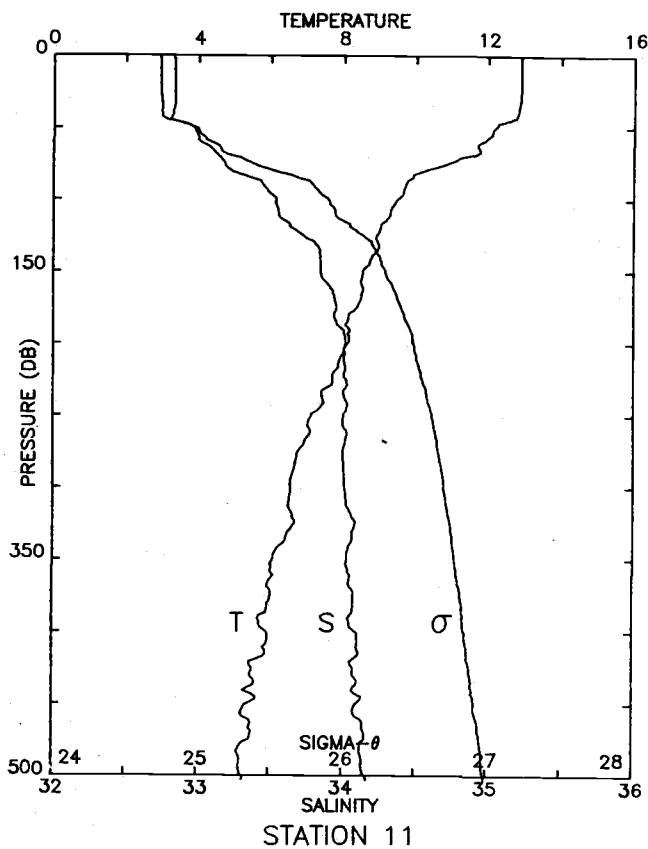
STA NO 9 LAT: 37 52.3 N LONG: 124 45.5 W
 10 JUN 1987 1244 GMT PROBE 2561 DEPTH 4017M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP			THETA				
1	13.524	32.748	13.524	24.545	338.1	0.003	89.0	0.45
10	13.526	32.748	13.525	24.545	338.4	0.034	89.1	0.47
20	13.525	32.748	13.522	24.545	338.6	0.068	89.1	0.46
30	13.534	32.748	13.530	24.544	339.0	0.102	89.1	0.46
40	13.536	32.746	13.530	24.542	339.4	0.135	89.1	0.45
50	13.473	32.746	13.466	24.555	338.5	0.169	89.1	0.47
60	12.561	32.779	12.553	24.760	319.1	0.203	89.3	0.52
70	12.263	32.920	12.254	24.927	303.5	0.234	90.2	0.42
80	11.870	32.951	11.860	25.025	294.4	0.264	90.5	0.27
90	11.695	33.055	11.684	25.138	283.8	0.292	90.6	0.21
100	11.362	33.198	11.350	25.310	267.7	0.320	90.7	0.22
110	10.176	33.278	10.163	25.581	241.9	0.346	90.7	0.18
120	9.845	33.340	9.831	25.684	232.2	0.369	90.7	0.15
130	9.220	33.507	9.206	25.916	210.2	0.391	90.7	0.14
140	8.682	33.649	8.667	26.113	191.6	0.411	90.9	0.12
150	8.401	33.736	8.386	26.224	181.2	0.430	90.9	0.13
175	8.407	33.908	8.389	26.358	168.9	0.474	90.9	0.13
200	8.075	33.981	8.055	26.466	159.1	0.514	91.0	0.13
225	7.761	33.999	7.739	26.526	153.6	0.554	91.0	0.13
250	7.411	34.017	7.388	26.591	147.8	0.591	91.1	0.13
300	6.782	34.027	6.754	26.686	139.2	0.663	91.1	0.14
400	5.974	34.097	5.939	26.847	124.8	0.795	91.1	0.14
500	5.538	34.179	5.497	26.966	114.4	0.914	91.3	0.14
503	5.528	34.182	5.487	26.970	114.1	0.917	91.3	0.14



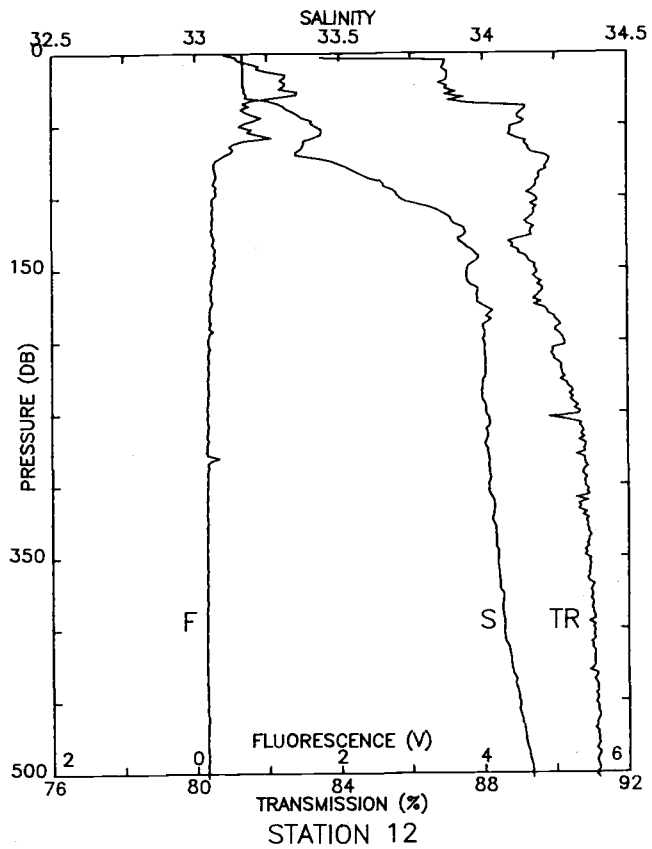
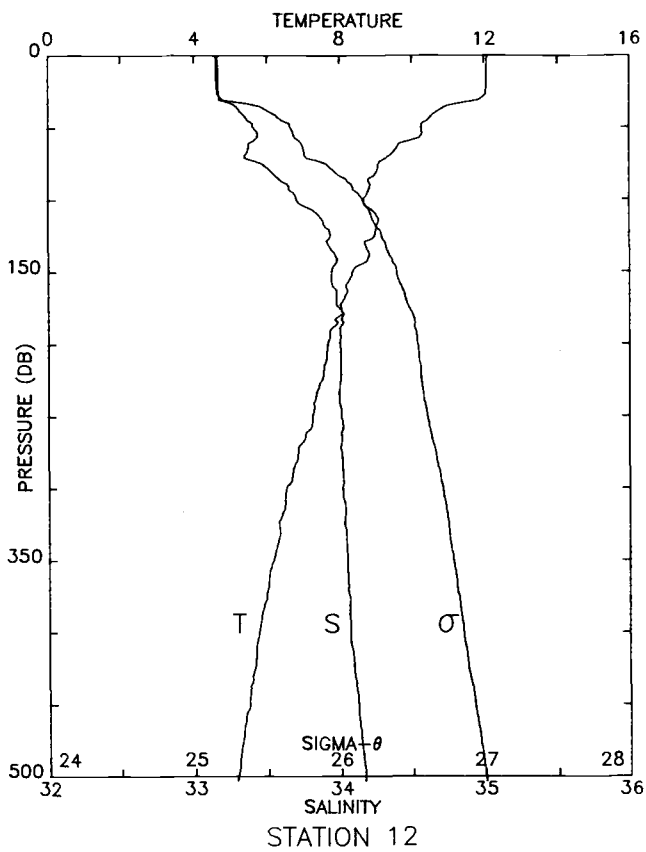
STA NO 10 LAT: 37 59.3 N LONG: 124 52.0 W
10 JUN 1987 1518 GMT PROBE 2561 DEPTH 3987M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	13.592	32.781	13.591	24.557	337.1	0.010	44.4	0.37
10	13.595	32.783	13.594	24.558	337.1	0.034	89.1	0.37
20	13.598	32.783	13.595	24.558	337.4	0.067	89.2	0.40
30	13.600	32.783	13.596	24.558	337.7	0.101	89.2	0.39
40	13.603	32.783	13.597	24.557	338.0	0.135	89.2	0.41
50	13.603	32.783	13.596	24.558	338.2	0.169	89.2	0.41
60	12.433	32.820	12.425	24.816	313.7	0.202	88.9	0.63
70	12.240	32.966	12.231	24.967	299.7	0.233	90.0	0.43
80	11.477	33.094	11.468	25.208	276.9	0.261	90.6	0.25
90	10.573	33.175	10.562	25.432	255.6	0.288	90.8	0.18
100	10.417	33.361	10.406	25.604	239.5	0.313	90.7	0.17
110	10.051	33.424	10.038	25.715	229.1	0.336	90.7	0.16
120	9.232	33.462	9.219	25.879	213.5	0.358	90.8	0.15
130	9.425	33.718	9.410	26.049	197.7	0.379	90.7	0.15
140	8.885	33.687	8.870	26.111	191.9	0.398	90.7	0.14
150	8.753	33.763	8.737	26.191	184.4	0.417	90.9	0.13
175	7.990	33.834	7.973	26.362	168.4	0.461	91.0	0.12
200	7.829	33.926	7.809	26.458	159.7	0.502	91.0	0.13
225	7.619	33.983	7.597	26.534	152.8	0.541	91.1	0.14
250	7.342	34.003	7.318	26.590	147.9	0.578	91.1	0.13
300	6.736	34.011	6.708	26.679	139.8	0.650	91.1	0.13
400	5.810	34.063	5.777	26.840	125.3	0.783	91.2	0.14
500	5.458	34.188	5.417	26.983	112.7	0.902	91.3	0.14
503	5.444	34.190	5.403	26.986	112.5	0.905	91.3	0.15



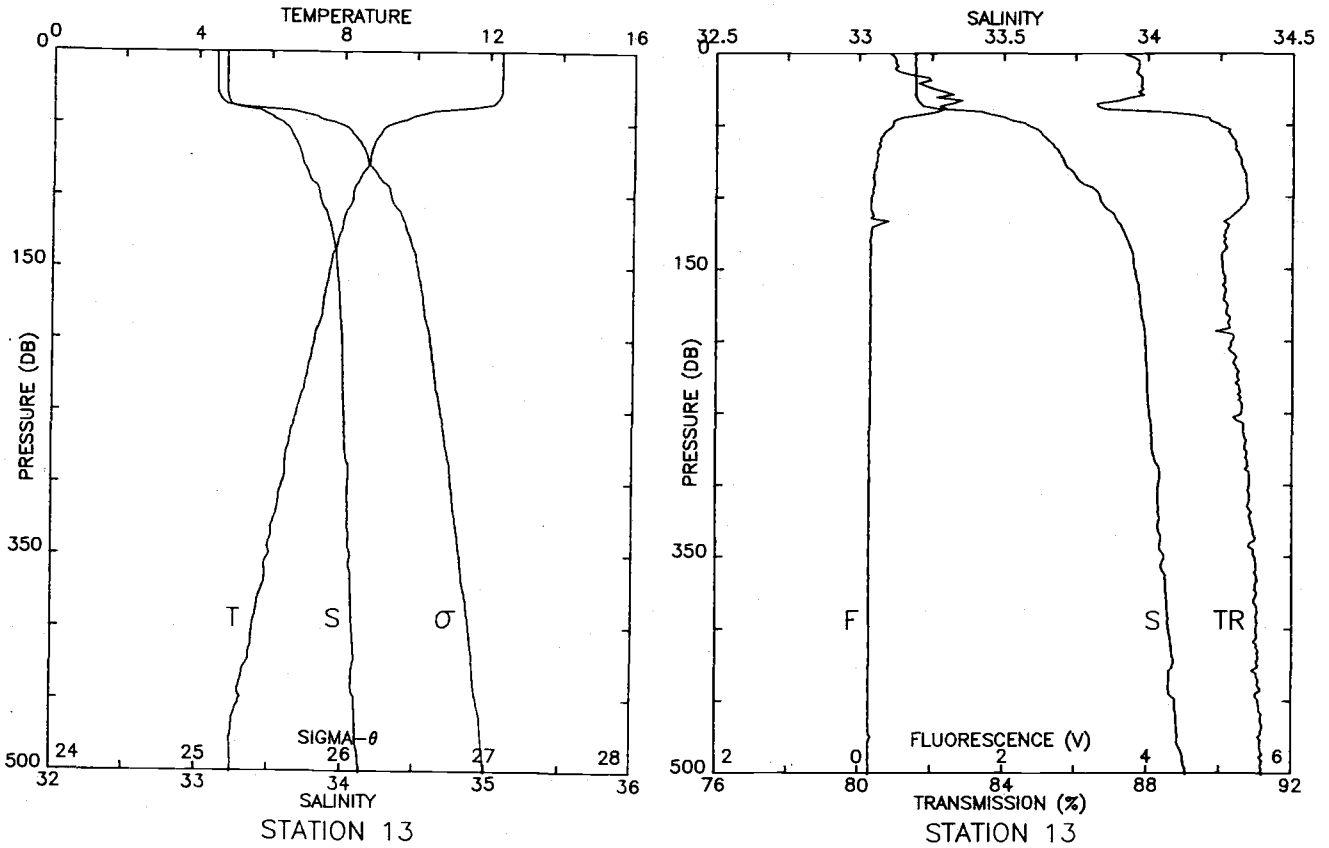
STA NO 11 LAT: 38 6.6 N LONG: 124 55.8 W
 10 JUN 1987 1705 GMT PROBE 2561 DEPTH 3947M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
1	12.897	32.828	12.897	24.731	320.4	0.003	82.7	0.51
10	12.896	32.830	12.895	24.733	320.4	0.032	87.9	0.63
20	12.894	32.830	12.891	24.735	320.6	0.064	88.0	0.90
30	12.879	32.834	12.875	24.740	320.3	0.096	88.0	1.28
40	12.803	32.820	12.797	24.745	320.1	0.128	88.1	0.80
50	12.177	32.957	12.170	24.971	298.8	0.159	89.1	0.73
60	11.817	33.013	11.809	25.082	288.4	0.189	90.2	0.40
70	11.443	33.143	11.434	25.252	272.4	0.217	90.8	0.29
80	10.272	33.229	10.263	25.525	246.5	0.243	90.8	0.19
90	9.715	33.452	9.705	25.793	221.3	0.266	90.7	0.15
100	9.497	33.540	9.486	25.897	211.5	0.288	90.7	0.14
110	9.282	33.557	9.270	25.945	207.1	0.309	90.7	0.13
120	9.011	33.653	8.999	26.064	196.0	0.329	90.8	0.13
130	8.949	33.806	8.935	26.194	183.8	0.348	90.7	0.13
140	8.762	33.841	8.747	26.251	178.6	0.366	90.7	0.14
150	8.524	33.844	8.508	26.290	175.0	0.384	90.7	0.14
175	8.363	33.952	8.345	26.400	165.0	0.426	90.8	0.13
200	8.115	34.015	8.095	26.487	157.1	0.466	90.9	0.14
225	7.706	34.019	7.684	26.550	151.4	0.505	91.0	0.14
250	7.127	34.001	7.104	26.618	145.0	0.542	91.0	0.13
300	6.558	34.010	6.531	26.703	137.5	0.612	91.0	0.14
400	5.929	34.093	5.895	26.849	124.6	0.743	91.1	0.14
500	5.264	34.162	5.223	26.985	112.3	0.861	91.2	0.14
503	5.283	34.172	5.242	26.990	111.8	0.865	91.3	0.14



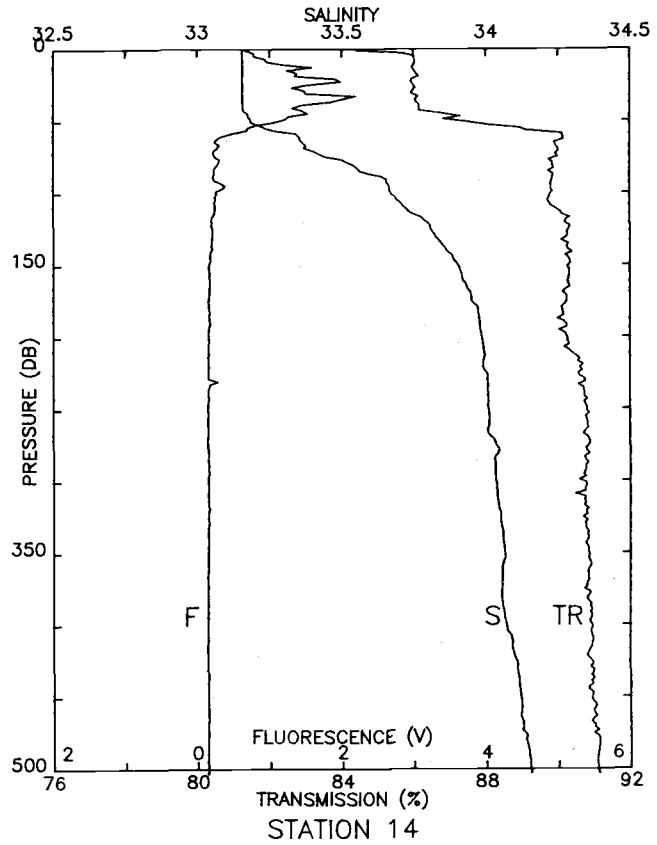
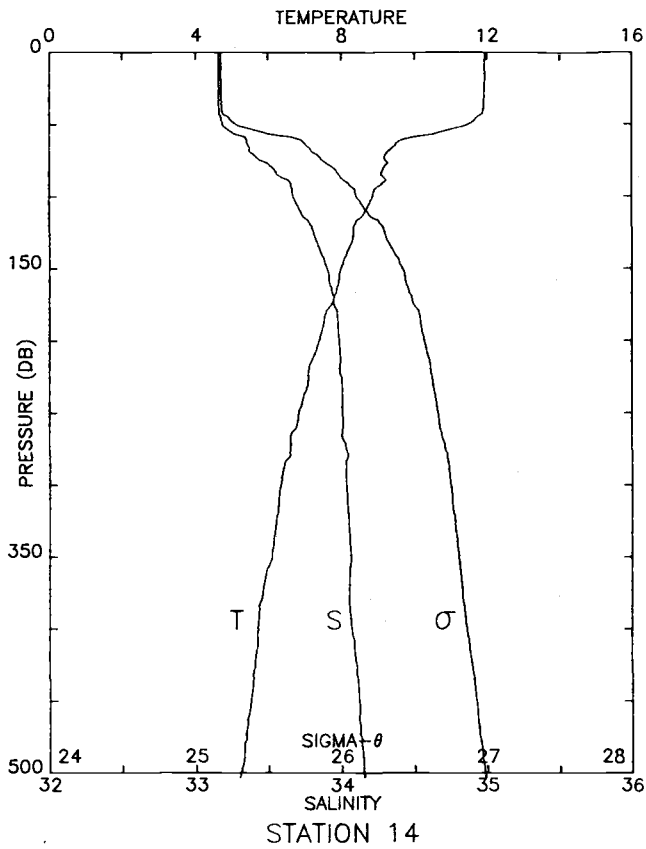
STA NO 12 LAT: 38 13.9 N LONG: 125 0.5 W
 10 JUN 1987 1854 GMT PROBE 2561 DEPTH 3894M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	12.073	33.163	12.072	25.149	280.6	0.003	42.2	0.41
10	12.061	33.166	12.060	25.154	280.4	0.028	86.9	0.87
20	12.058	33.167	12.055	25.155	280.5	0.056	86.9	1.21
30	11.896	33.177	11.892	25.194	277.0	0.084	87.2	1.25
40	10.638	33.329	10.634	25.540	244.3	0.110	89.1	0.67
50	10.265	33.411	10.259	25.668	232.3	0.133	88.9	0.64
60	9.781	33.393	9.774	25.735	226.1	0.156	89.1	0.86
70	9.343	33.348	9.335	25.772	222.8	0.179	89.5	0.45
80	9.025	33.532	9.017	25.966	204.4	0.200	89.7	0.27
90	8.838	33.650	8.829	26.088	193.0	0.220	89.5	0.26
100	8.664	33.709	8.654	26.161	186.3	0.239	89.5	0.27
110	9.015	33.850	9.003	26.218	181.2	0.257	89.4	0.23
120	9.011	33.918	8.998	26.271	176.3	0.275	89.3	0.24
130	8.704	33.917	8.690	26.319	171.9	0.293	88.8	0.26
140	8.791	33.978	8.777	26.353	168.9	0.310	89.1	0.26
150	8.348	33.944	8.332	26.395	165.0	0.326	89.5	0.24
175	8.038	33.996	8.021	26.483	157.0	0.367	89.4	0.22
200	7.663	34.001	7.644	26.541	151.8	0.405	90.3	0.18
225	7.509	34.006	7.487	26.568	149.6	0.443	90.3	0.17
250	7.247	34.010	7.223	26.608	146.0	0.480	90.7	0.17
300	6.514	34.016	6.488	26.713	136.5	0.550	90.8	0.16
400	5.751	34.071	5.718	26.854	123.9	0.680	91.1	0.15
500	5.150	34.168	5.110	27.003	110.5	0.797	91.1	0.15
503	5.137	34.168	5.097	27.005	110.3	0.801	91.2	0.15



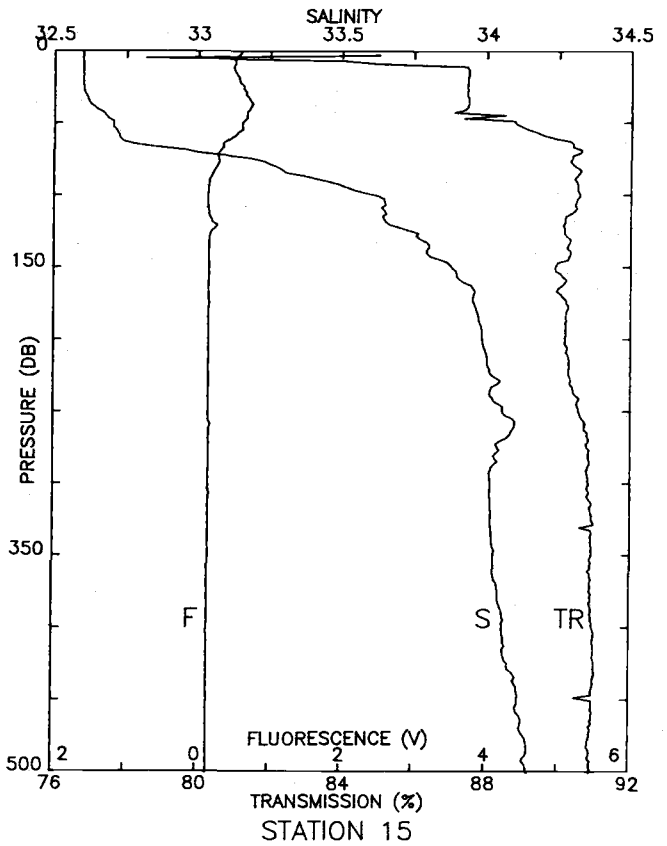
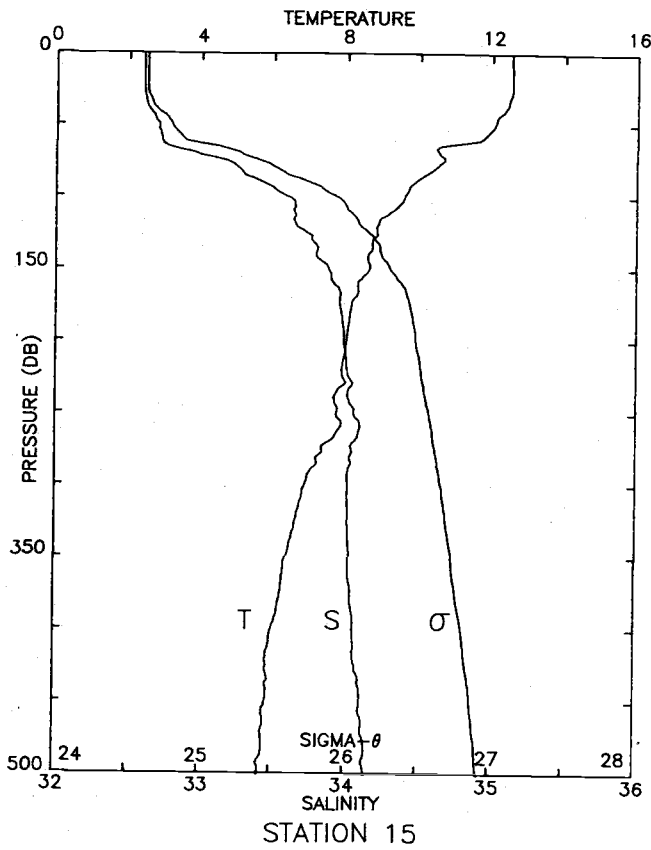
STA NO 13 LAT: 38 21.2 N LONG: 125 5.1 W
 10 JUN 1987 2036 GMT PROBE 2561 DEPTH 3838M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
1	12.324	33.192	12.323	25.125	282.9	0.003	87.4	0.44
10	12.321	33.192	12.320	25.125	283.1	0.028	87.7	0.51
20	12.320	33.192	12.318	25.126	283.3	0.057	87.8	0.90
30	12.284	33.194	12.280	25.134	282.7	0.085	87.7	1.18
40	11.000	33.348	10.995	25.489	249.1	0.112	87.7	1.13
50	9.311	33.582	9.306	25.960	204.5	0.135	90.0	0.46
60	8.893	33.653	8.887	26.082	193.1	0.154	90.4	0.30
70	8.728	33.697	8.721	26.142	187.5	0.173	90.5	0.25
80	8.640	33.728	8.632	26.180	184.1	0.192	90.6	0.23
90	8.385	33.773	8.376	26.254	177.2	0.210	90.7	0.21
100	8.249	33.835	8.239	26.323	170.8	0.227	90.7	0.17
110	8.099	33.873	8.088	26.376	166.0	0.244	90.5	0.18
120	7.968	33.909	7.956	26.424	161.6	0.261	90.2	0.24
130	7.850	33.931	7.838	26.459	158.4	0.277	90.1	0.16
140	7.707	33.950	7.694	26.494	155.2	0.292	90.0	0.16
150	7.626	33.956	7.611	26.511	153.7	0.308	90.1	0.15
175	7.448	33.976	7.431	26.552	150.2	0.346	90.2	0.17
200	7.208	33.993	7.189	26.600	146.0	0.383	90.3	0.16
225	7.006	33.999	6.985	26.632	143.2	0.419	90.5	0.16
250	6.739	34.007	6.717	26.675	139.5	0.454	90.6	0.16
300	6.366	34.040	6.340	26.751	132.8	0.522	90.8	0.15
400	5.556	34.076	5.523	26.881	121.1	0.649	91.0	0.15
500	4.993	34.136	4.953	26.996	110.9	0.765	91.2	0.15
501	4.989	34.137	4.950	26.997	110.9	0.766	91.2	0.15



STA NO 14 LAT: 38 28.5 N LONG: 125 9.8 W
10 JUN 1987 2217 GMT PROBE 2561 DEPTH 3736M

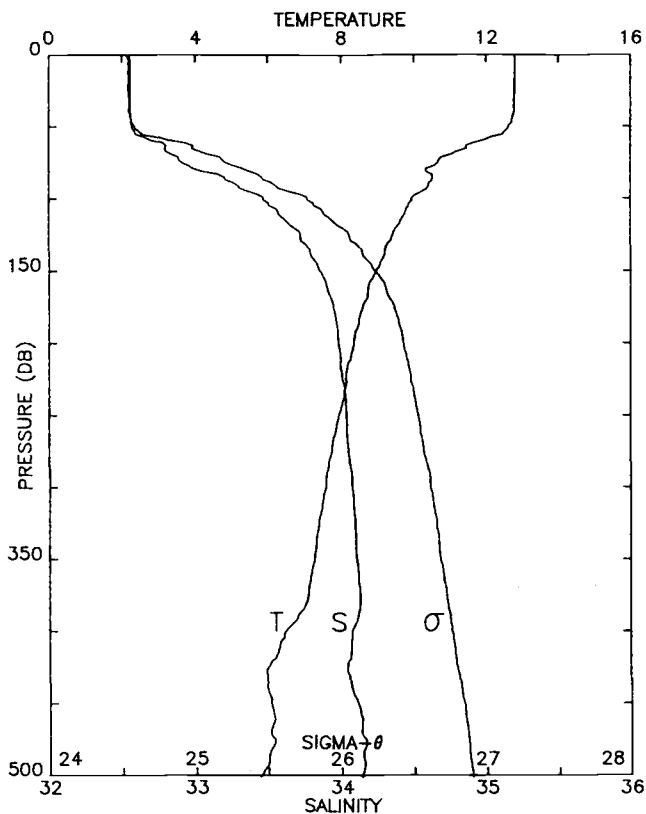
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	11.937	33.156	11.937	25.169	278.7	0.003	84.4	0.66
10	11.925	33.156	11.924	25.172	278.7	0.028	86.0	1.08
20	11.927	33.156	11.925	25.172	278.9	0.056	86.1	1.63
30	11.912	33.156	11.908	25.175	278.9	0.084	86.0	1.49
40	11.890	33.158	11.885	25.181	278.5	0.112	86.2	1.38
50	11.489	33.185	11.483	25.276	269.7	0.139	87.2	1.13
60	9.783	33.348	9.776	25.700	229.5	0.164	90.1	0.40
70	9.235	33.386	9.227	25.819	218.3	0.187	90.0	0.25
80	9.163	33.532	9.154	25.945	206.5	0.208	89.8	0.29
90	9.185	33.653	9.175	26.036	198.1	0.228	89.8	0.23
100	8.848	33.673	8.837	26.105	191.7	0.247	89.8	0.27
110	8.665	33.721	8.654	26.171	185.5	0.266	89.9	0.25
120	8.363	33.795	8.351	26.275	175.8	0.284	90.2	0.20
130	8.291	33.825	8.278	26.310	172.6	0.302	90.2	0.21
140	8.134	33.865	8.120	26.365	167.6	0.319	90.3	0.20
150	7.978	33.903	7.963	26.418	162.7	0.335	90.3	0.16
175	7.719	33.950	7.702	26.493	155.9	0.375	90.2	0.16
200	7.386	33.986	7.367	26.569	149.0	0.413	90.2	0.16
225	7.100	34.004	7.079	26.624	144.1	0.450	90.6	0.15
250	6.834	34.009	6.811	26.664	140.5	0.485	90.8	0.15
300	6.337	34.033	6.310	26.749	132.9	0.553	90.7	0.15
400	5.702	34.072	5.668	26.860	123.3	0.682	90.9	0.15
500	5.222	34.153	5.182	26.983	112.5	0.799	91.1	0.15
503	5.194	34.155	5.153	26.988	112.0	0.803	91.1	0.15



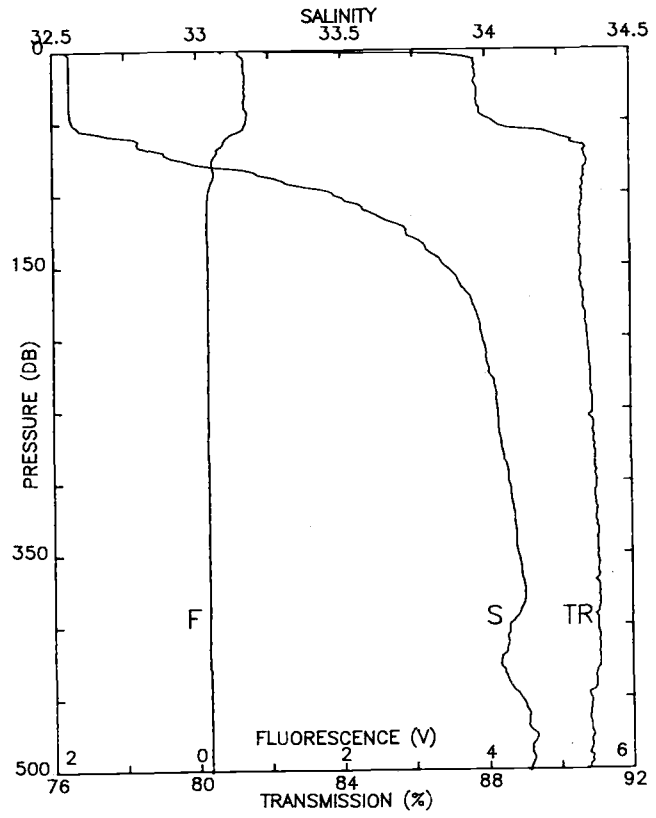
STA NO 15 LAT: 38 35.8 N LONG: 125 14.7 W
 11 JUN 1987 0010 GMT PROBE 2561 DEPTH 3514M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	12.529	32.598	12.529	24.625	330.5	0.003	53.5	0.60
10	12.537	32.600	12.536	24.625	330.8	0.033	86.2	0.50
20	12.540	32.599	12.538	24.624	331.1	0.066	87.5	0.57
30	12.496	32.607	12.493	24.639	329.9	0.099	87.5	0.66
40	12.325	32.643	12.320	24.700	324.4	0.132	87.4	0.72
50	12.058	32.705	12.052	24.798	315.2	0.164	88.8	0.62
60	11.695	32.726	11.688	24.882	307.4	0.195	89.7	0.49
70	10.547	32.978	10.539	25.282	269.5	0.224	90.6	0.30
80	10.445	33.262	10.436	25.522	246.9	0.250	90.4	0.27
90	9.866	33.430	9.856	25.751	225.3	0.273	90.5	0.17
100	9.588	33.606	9.577	25.934	208.0	0.295	90.6	0.14
110	9.251	33.644	9.239	26.018	200.2	0.315	90.5	0.15
120	8.848	33.662	8.835	26.097	192.8	0.335	90.1	0.24
130	8.722	33.767	8.709	26.199	183.3	0.354	90.3	0.16
140	8.602	33.796	8.588	26.240	179.6	0.372	90.3	0.16
150	8.631	33.881	8.616	26.302	173.9	0.389	89.9	0.16
175	8.144	33.958	8.127	26.437	161.4	0.431	90.2	0.17
200	8.017	33.987	7.997	26.479	157.8	0.471	90.2	0.15
225	7.910	34.020	7.888	26.521	154.3	0.510	90.3	0.16
250	7.749	34.057	7.725	26.574	149.6	0.548	90.6	0.15
300	6.906	34.015	6.878	26.659	141.8	0.620	90.8	0.15
400	6.019	34.061	5.985	26.812	128.1	0.756	91.0	0.15
500	5.683	34.148	5.641	26.924	118.6	0.879	90.9	0.15
501	5.682	34.149	5.640	26.925	118.4	0.880	90.9	0.15

LIN INT SAL 43-47 DB



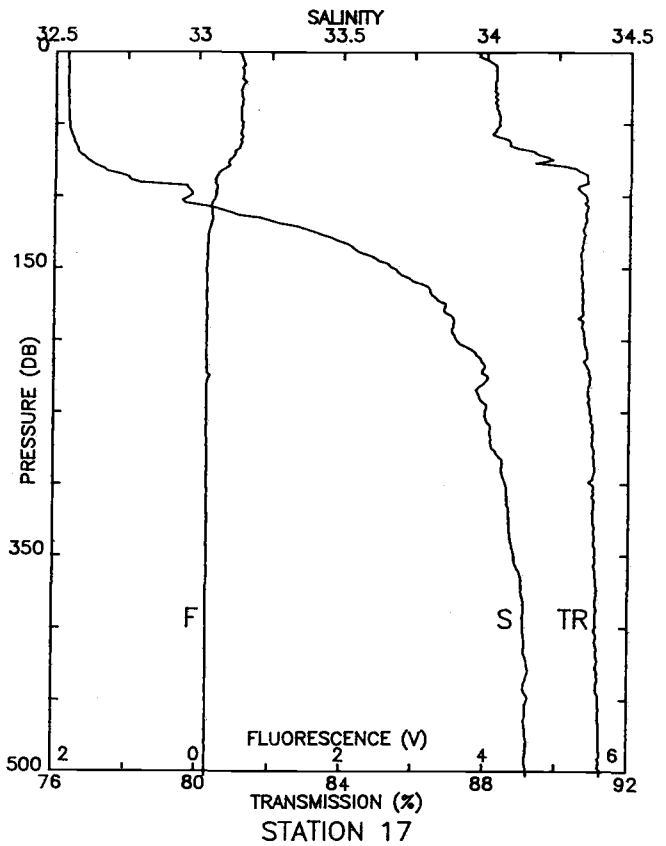
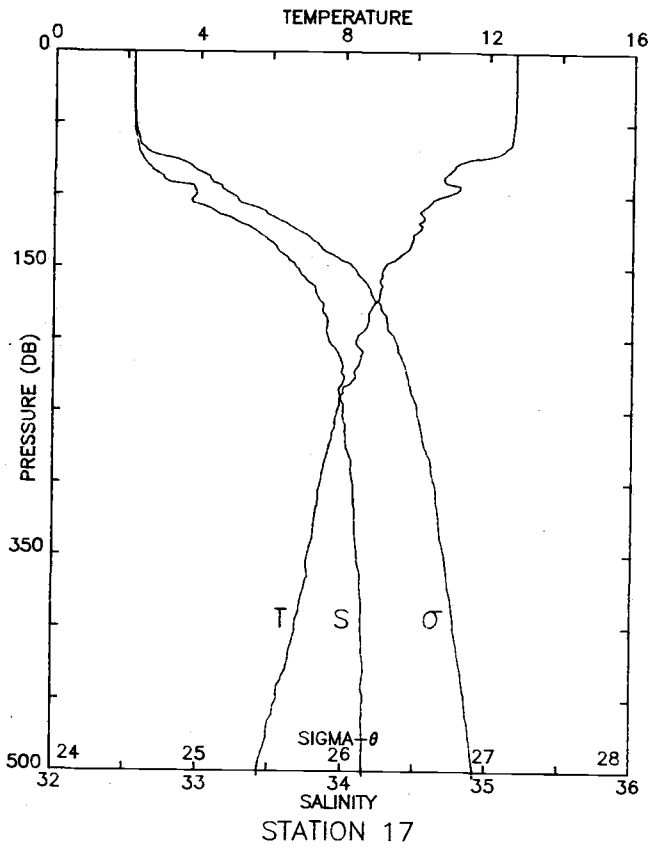
STATION 16



STATION 16

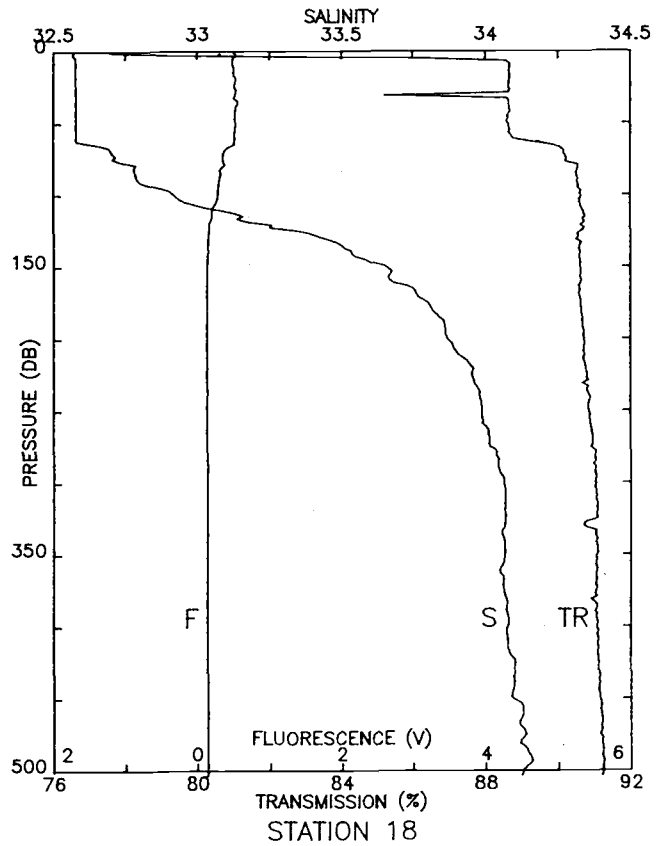
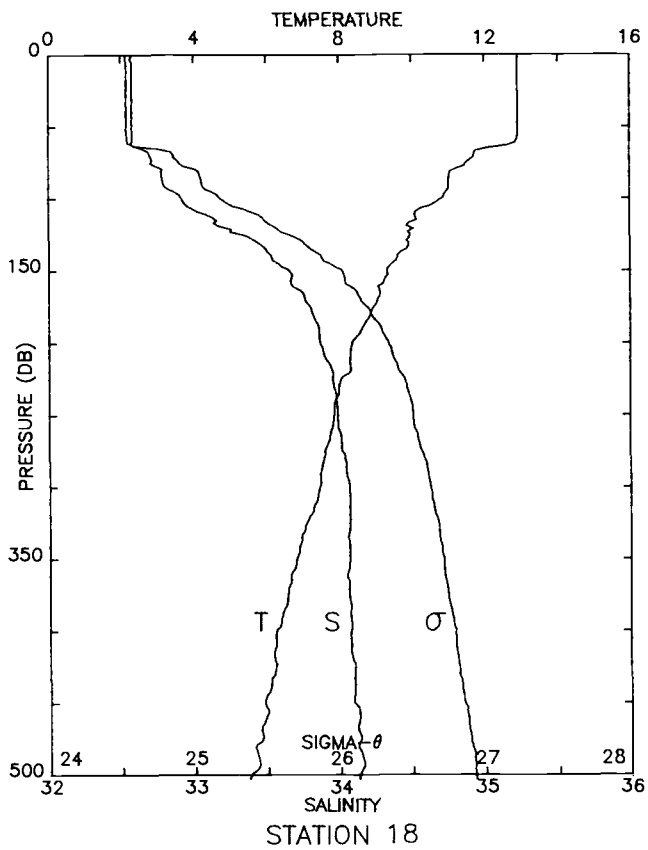
STA NO 16 LAT: 38 43.0 N LONG: 125 19.2 W
 11 JUN 1987 0143 GMT PROBE 2561 DEPTH 3593M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	12.792	32.548	12.792	24.535	339.1	0.003	81.9	0.58
10	12.792	32.558	12.791	24.543	338.6	0.034	87.7	0.65
20	12.790	32.558	12.787	24.544	338.7	0.068	87.7	0.67
30	12.774	32.558	12.770	24.548	338.6	0.102	87.8	0.67
40	12.762	32.559	12.757	24.550	338.6	0.135	87.8	0.66
50	12.607	32.569	12.600	24.589	335.2	0.169	88.2	0.68
60	11.792	32.736	11.785	24.872	308.4	0.202	90.0	0.44
70	10.894	32.862	10.886	25.131	283.8	0.231	90.8	0.28
80	10.334	33.019	10.325	25.351	263.1	0.259	90.8	0.21
90	10.407	33.282	10.396	25.544	245.0	0.284	90.7	0.22
100	9.942	33.472	9.931	25.771	223.5	0.308	90.7	0.15
110	9.750	33.576	9.738	25.884	213.0	0.329	90.6	0.14
120	9.502	33.678	9.489	26.005	201.7	0.350	90.6	0.13
130	9.311	33.742	9.297	26.086	194.2	0.370	90.6	0.14
140	9.155	33.801	9.140	26.157	187.5	0.389	90.6	0.13
150	8.951	33.857	8.935	26.234	180.4	0.407	90.6	0.14
175	8.580	33.951	8.562	26.366	168.3	0.451	90.7	0.14
200	8.347	33.986	8.327	26.429	162.7	0.492	90.8	0.14
225	8.131	34.008	8.109	26.479	158.3	0.532	90.9	0.14
250	7.939	34.038	7.914	26.531	153.7	0.571	90.9	0.14
300	7.574	34.074	7.545	26.613	146.7	0.646	91.0	0.14
400	6.481	34.073	6.445	26.763	133.1	0.786	91.1	0.14
500	5.810	34.142	5.767	26.904	120.6	0.913	90.8	0.15
501	5.782	34.141	5.739	26.906	120.3	0.914	90.7	0.15



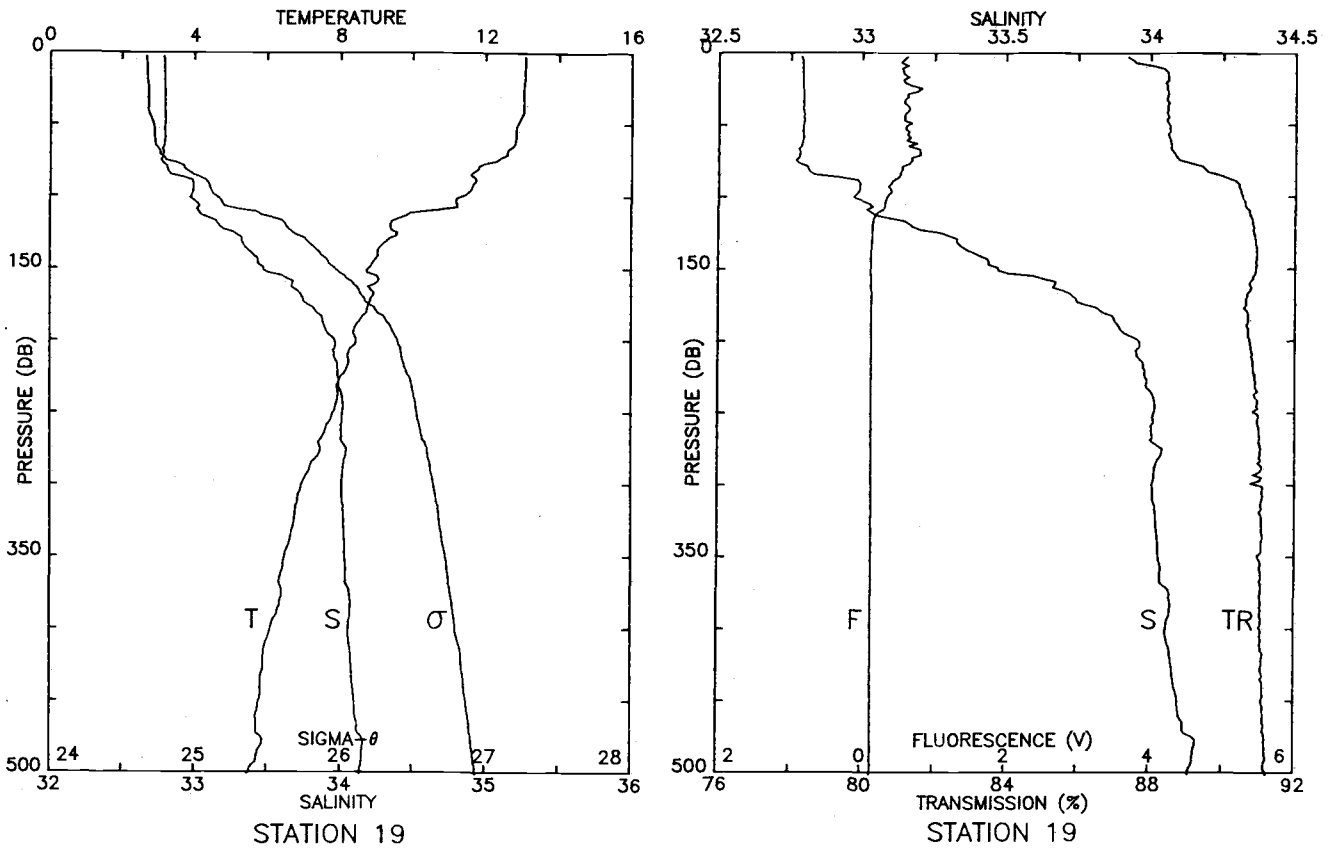
STA NO 17 LAT: 38 46.5 N LONG: 125 10.6 W
11 JUN 1987 0341 GMT PROBE 2561 DEPTH 3436M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	12.721	32.542	12.721	24.544	338.2	0.003	87.8	0.57
10	12.719	32.542	12.718	24.545	338.4	0.034	88.2	0.61
20	12.722	32.542	12.719	24.544	338.7	0.068	88.2	0.62
30	12.719	32.542	12.715	24.546	338.8	0.102	88.2	0.58
40	12.709	32.543	12.703	24.549	338.8	0.135	88.3	0.57
50	12.680	32.548	12.674	24.558	338.1	0.169	88.3	0.59
60	12.622	32.561	12.615	24.579	336.3	0.203	88.5	0.59
70	12.333	32.581	12.324	24.651	329.7	0.236	89.4	0.50
80	11.040	32.654	11.030	24.944	301.8	0.268	90.3	0.39
90	10.781	32.777	10.771	25.086	288.6	0.297	90.8	0.23
100	10.769	32.974	10.757	25.241	274.0	0.325	90.8	0.25
110	10.154	33.094	10.141	25.440	255.2	0.352	90.8	0.20
120	10.114	33.310	10.100	25.616	238.7	0.377	90.8	0.18
130	9.911	33.473	9.896	25.777	223.6	0.400	90.7	0.15
140	9.639	33.575	9.624	25.902	211.9	0.422	90.6	0.14
150	9.117	33.680	9.101	26.069	196.2	0.442	90.7	0.13
175	8.868	33.862	8.849	26.251	179.3	0.489	90.7	0.14
200	8.366	33.899	8.346	26.358	169.4	0.533	90.8	0.13
225	8.345	34.007	8.322	26.446	161.6	0.574	90.9	0.18
250	7.836	34.001	7.811	26.517	155.0	0.614	90.9	0.14
300	7.387	34.072	7.358	26.638	144.1	0.689	91.0	0.14
400	6.733	34.138	6.696	26.781	131.7	0.827	91.1	0.15
500	5.720	34.152	5.678	26.923	118.7	0.951	91.3	0.14
503	5.722	34.153	5.679	26.924	118.7	0.955	91.3	0.15



STA NO 18 LAT: 38 49.8 N LONG: 125 1.3 W
 11 JUN 1987 0557 GMT PROBE 2561 DEPTH 3530M

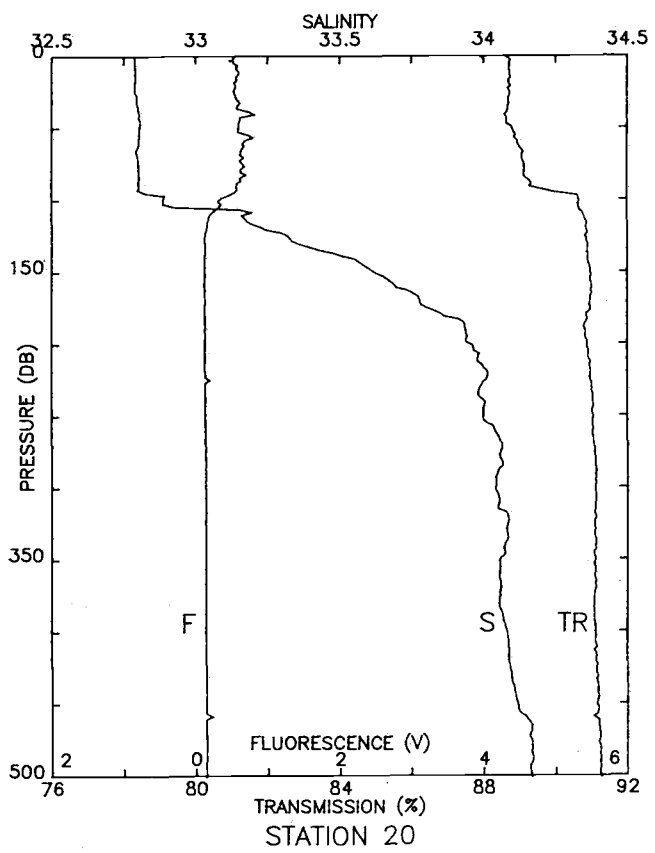
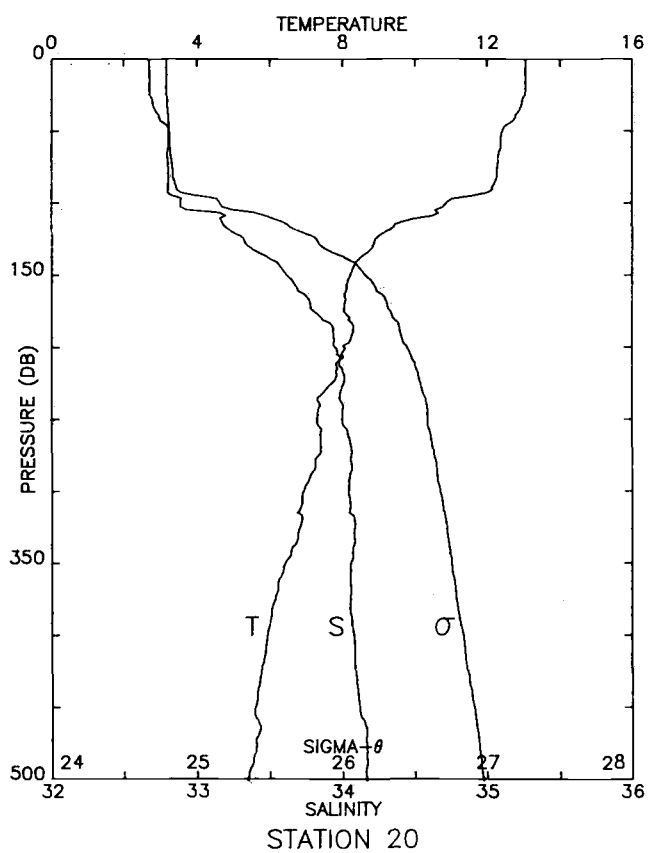
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
1	12.888	32.571	12.888	24.534	339.1	0.003	77.6	0.51
10	12.887	32.576	12.885	24.539	338.9	0.034	88.7	0.49
20	12.891	32.577	12.888	24.539	339.2	0.068	88.7	0.53
30	12.899	32.578	12.895	24.538	339.5	0.102	86.9	0.53
40	12.899	32.578	12.893	24.538	339.7	0.136	88.7	0.53
50	12.900	32.578	12.893	24.538	340.0	0.170	88.6	0.53
60	12.849	32.577	12.841	24.548	339.3	0.204	88.7	0.52
70	11.698	32.703	11.689	24.863	309.4	0.236	90.2	0.37
80	11.157	32.784	11.147	25.024	294.3	0.266	90.6	0.37
90	11.013	32.796	11.003	25.060	291.1	0.296	90.5	0.31
100	10.826	32.920	10.814	25.190	279.0	0.324	90.6	0.29
110	10.101	33.058	10.088	25.421	257.0	0.351	90.7	0.21
120	9.961	33.215	9.947	25.568	243.3	0.376	90.7	0.18
130	9.873	33.434	9.859	25.753	225.9	0.399	90.5	0.15
140	9.596	33.535	9.580	25.878	214.1	0.422	90.6	0.15
150	9.302	33.659	9.286	26.023	200.6	0.442	90.6	0.14
175	8.921	33.805	8.902	26.198	184.3	0.491	90.6	0.14
200	8.349	33.871	8.328	26.339	171.2	0.535	90.7	0.13
225	8.034	33.953	8.012	26.450	161.0	0.577	90.8	0.14
250	7.841	33.989	7.816	26.507	155.9	0.616	90.9	0.13
300	7.439	34.064	7.410	26.625	145.5	0.692	91.0	0.14
400	6.239	34.076	6.204	26.797	129.8	0.829	91.1	0.14
500	5.523	34.129	5.481	26.929	117.9	0.954	91.2	0.15
503	5.472	34.125	5.430	26.931	117.7	0.957	91.2	0.14



STA NO 19 LAT: 38 53.4 N LONG: 124 53.9 W
 11 JUN 1987 0804 GMT PROBE 2561 DEPTH 3500M

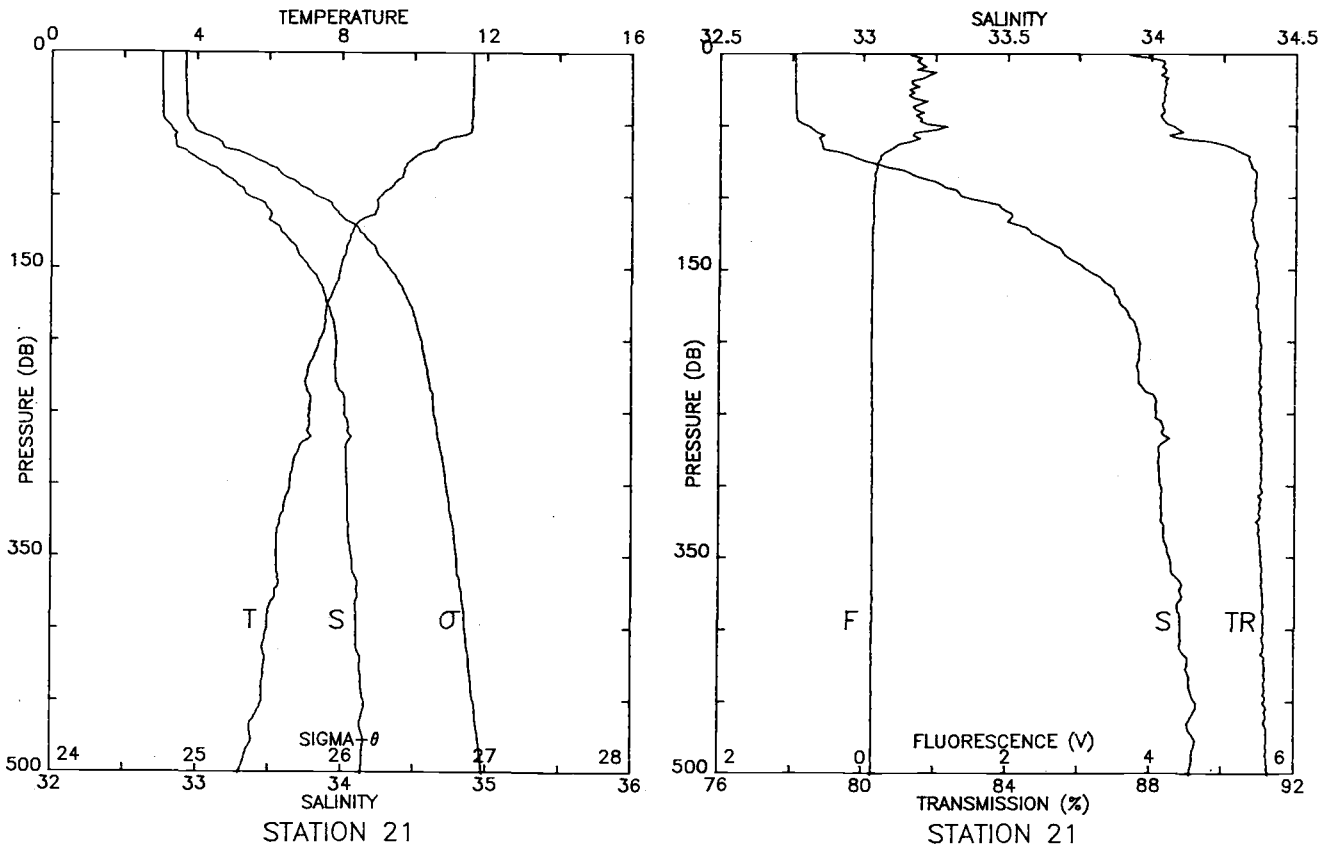
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
3	13.070	32.785	13.070	24.664	326.8	0.010	87.4	0.61
10	13.071	32.790	13.069	24.668	326.6	0.033	88.2	0.59
20	13.049	32.791	13.047	24.674	326.4	0.065	88.5	0.57
30	13.027	32.793	13.023	24.680	326.1	0.098	88.5	0.62
40	13.029	32.793	13.024	24.679	326.4	0.131	88.5	0.64
50	12.854	32.793	12.848	24.714	323.3	0.163	88.5	0.64
60	12.807	32.792	12.799	24.723	322.7	0.195	88.5	0.63
70	12.570	32.780	12.561	24.760	319.4	0.227	88.6	0.80
80	11.799	32.808	11.789	24.927	303.6	0.259	89.5	0.55
90	11.698	32.988	11.687	25.085	288.8	0.288	90.4	0.41
100	11.299	32.974	11.287	25.147	283.1	0.317	90.5	0.34
110	10.296	33.025	10.283	25.362	262.7	0.345	90.7	0.26
120	9.385	33.171	9.372	25.627	237.5	0.369	90.9	0.15
130	9.313	33.329	9.298	25.763	224.8	0.393	90.9	0.14
140	9.030	33.401	9.015	25.864	215.3	0.415	90.9	0.13
150	8.773	33.474	8.757	25.961	206.2	0.436	90.9	0.13
175	8.780	33.774	8.761	26.196	184.4	0.484	90.6	0.14
200	8.425	33.960	8.405	26.397	165.8	0.528	90.7	0.14
225	8.009	33.983	7.987	26.477	158.4	0.568	90.9	0.14
250	7.810	34.015	7.785	26.532	153.6	0.607	90.9	0.13
300	6.954	34.009	6.926	26.648	142.9	0.681	90.9	0.14
400	6.105	34.058	6.071	26.800	129.4	0.817	91.1	0.14
500	5.503	34.137	5.462	26.937	117.1	0.940	91.2	0.14
501	5.483	34.137	5.442	26.939	116.9	0.941	91.3	0.14

LIN INT SAL 39-43 DB



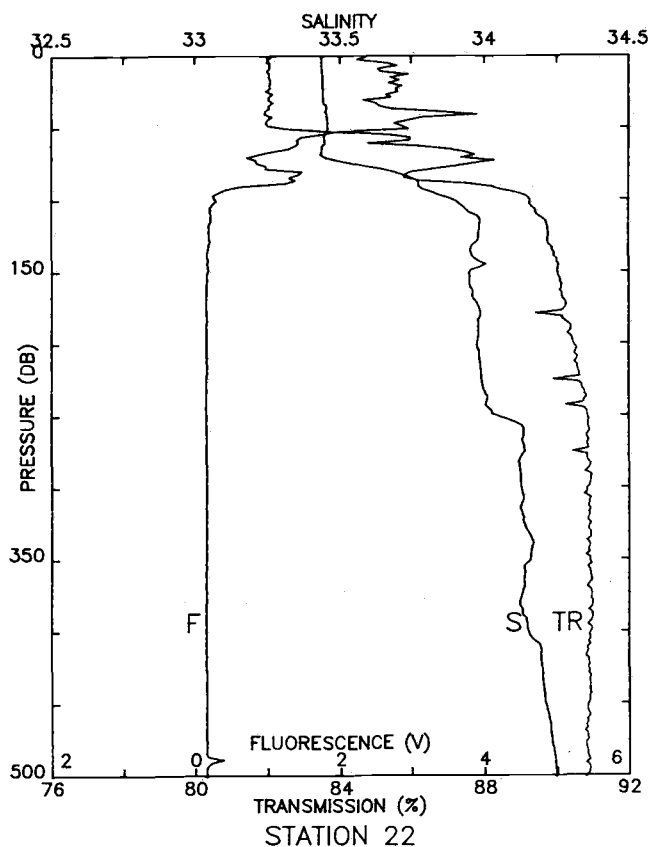
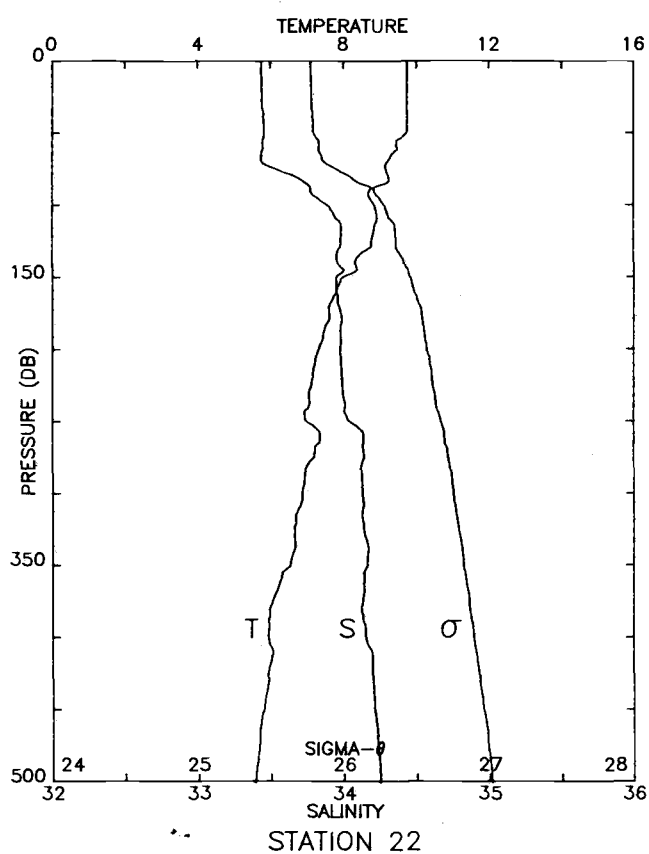
STA NO 20 LAT: 38 56.7 N LONG: 124 44.9 W
11 JUN 1987 1000 GMT PROBE 2561 DEPTH 3409M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		THETA					
1	13.051	32.787	13.051	24.670	326.2	0.003	88.6	0.53
10	13.039	32.789	13.038	24.674	326.1	0.033	88.7	0.58
20	13.047	32.788	13.045	24.672	326.6	0.065	88.7	0.55
30	12.950	32.795	12.946	24.696	324.5	0.098	88.7	0.57
40	12.768	32.804	12.763	24.739	320.7	0.130	88.6	0.78
50	12.408	32.805	12.402	24.810	314.1	0.162	88.8	0.60
60	12.367	32.803	12.359	24.816	313.8	0.193	88.9	0.67
70	12.288	32.798	12.279	24.828	312.9	0.225	89.1	0.65
80	12.260	32.802	12.249	24.836	312.3	0.256	89.1	0.63
90	12.129	32.803	12.118	24.861	310.2	0.287	89.3	0.57
100	10.868	32.887	10.856	25.156	282.1	0.317	90.7	0.34
110	10.230	33.179	10.217	25.494	250.2	0.344	90.8	0.22
120	9.184	33.235	9.172	25.709	229.7	0.367	90.9	0.15
130	8.821	33.348	8.808	25.855	215.9	0.390	90.9	0.13
140	8.392	33.526	8.378	26.061	196.5	0.410	90.9	0.12
150	8.205	33.619	8.190	26.161	187.1	0.429	91.0	0.13
175	8.029	33.803	8.012	26.332	171.2	0.474	91.0	0.12
200	8.042	33.950	8.022	26.446	160.9	0.515	90.9	0.13
225	7.714	34.010	7.692	26.541	152.2	0.554	91.0	0.21
250	7.308	33.999	7.284	26.591	147.7	0.592	91.1	0.13
300	6.923	34.040	6.895	26.677	140.1	0.664	91.1	0.14
400	5.925	34.081	5.891	26.840	125.4	0.797	91.1	0.14
500	5.383	34.167	5.342	26.975	113.4	0.916	91.3	0.15
501	5.385	34.168	5.344	26.975	113.4	0.917	91.3	0.15



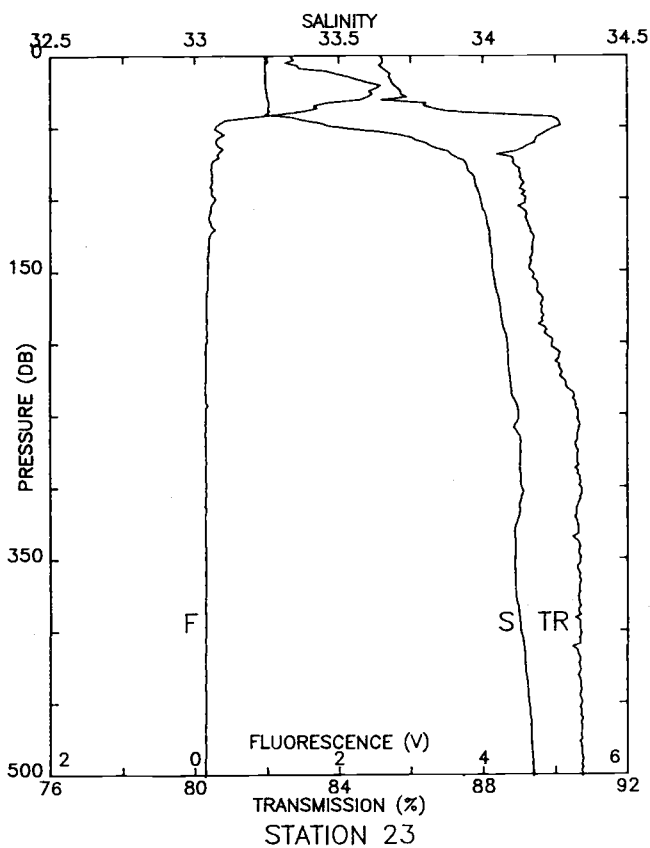
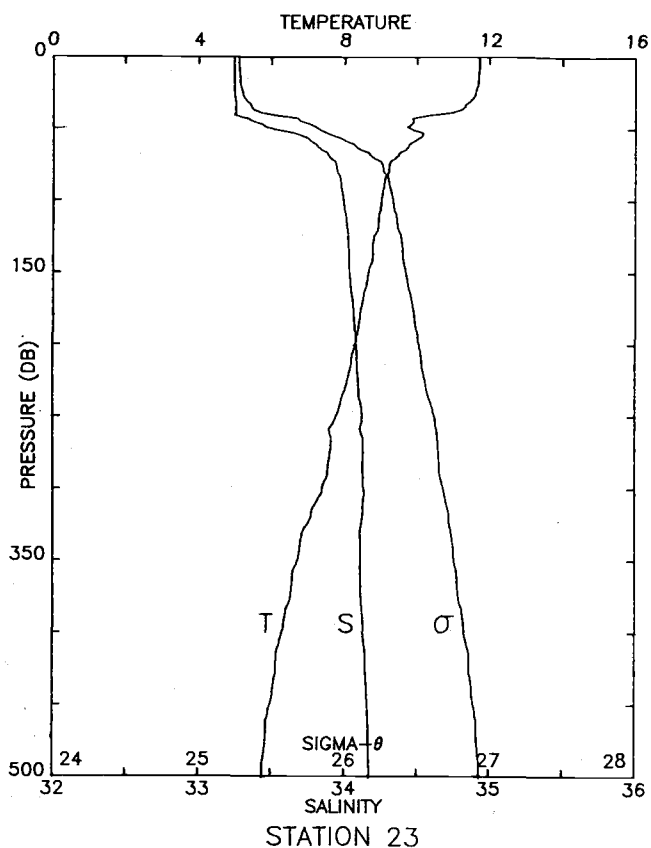
STA NO 21 LAT: 39 3.9 N LONG: 124 25.9 W
 11 JUN 1987 1304 GMT PROBE 2561 DEPTH 3297M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	11.619	32.759	11.619	24.920	302.4	0.003	87.4	0.65
10	11.622	32.759	11.621	24.919	302.7	0.030	88.3	0.80
20	11.624	32.759	11.622	24.919	302.9	0.061	88.4	0.66
30	11.607	32.761	11.603	24.924	302.7	0.091	88.4	0.65
40	11.590	32.763	11.585	24.929	302.5	0.121	88.3	0.77
50	11.574	32.798	11.568	24.960	299.8	0.151	88.5	1.02
60	10.885	32.847	10.878	25.121	284.6	0.181	89.2	0.72
70	10.160	32.936	10.152	25.316	266.2	0.208	90.6	0.26
80	9.717	33.110	9.708	25.525	246.4	0.234	90.8	0.18
90	9.471	33.257	9.461	25.681	231.8	0.258	90.9	0.15
100	9.059	33.355	9.049	25.822	218.5	0.281	90.9	0.14
110	8.932	33.500	8.920	25.956	206.0	0.302	90.8	0.14
120	8.370	33.549	8.358	26.081	194.2	0.322	90.8	0.13
130	8.207	33.631	8.194	26.170	185.8	0.341	90.9	0.12
140	8.084	33.701	8.070	26.243	179.1	0.359	90.8	0.13
150	7.947	33.775	7.932	26.322	171.7	0.376	90.9	0.13
175	7.608	33.899	7.591	26.469	158.1	0.417	90.9	0.13
200	7.388	33.962	7.369	26.550	150.8	0.456	91.0	0.13
225	7.043	33.959	7.022	26.596	146.7	0.493	91.0	0.14
250	7.113	34.021	7.090	26.635	143.4	0.529	91.0	0.14
300	6.572	34.036	6.545	26.721	135.8	0.599	91.0	0.14
400	5.955	34.107	5.921	26.857	123.8	0.728	91.1	0.14
500	5.187	34.139	5.147	26.976	113.1	0.847	91.3	0.14
501	5.174	34.139	5.134	26.978	112.9	0.848	91.3	0.14



STA NO 22 LAT: 38 45.0 N LONG: 124 14.0 W
 11 JUN 1987 1521 GMT PROBE 2561 DEPTH 3107M

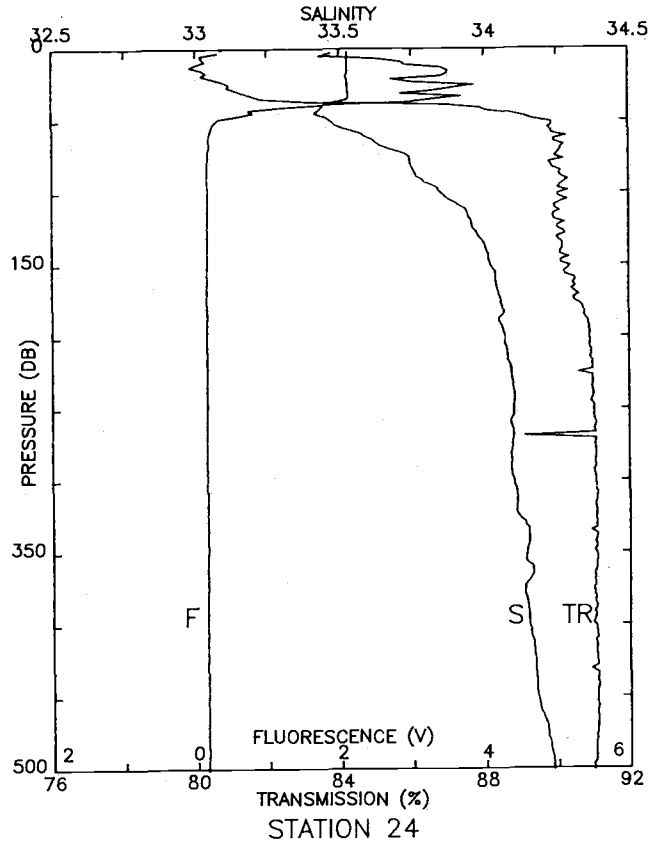
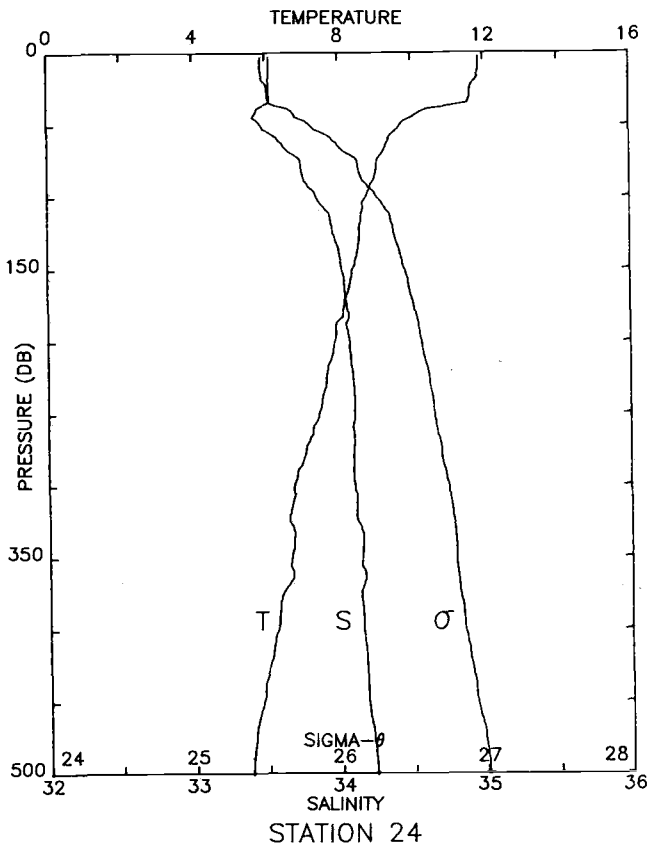
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	9.735	33.436	9.735	25.775	221.1	0.002	82.1	2.36
10	9.732	33.436	9.731	25.776	221.2	0.022	82.0	2.55
20	9.729	33.439	9.727	25.779	221.1	0.044	82.1	2.77
30	9.732	33.441	9.728	25.780	221.2	0.066	82.0	2.52
40	9.737	33.451	9.733	25.788	220.7	0.088	81.9	3.65
50	9.712	33.457	9.706	25.797	220.0	0.110	82.3	2.92
60	9.456	33.447	9.449	25.831	217.0	0.132	85.4	1.41
70	9.182	33.440	9.174	25.870	213.4	0.154	87.5	0.80
80	9.214	33.670	9.206	26.044	197.1	0.174	86.3	1.23
90	8.692	33.777	8.683	26.211	181.4	0.193	87.9	0.95
100	8.837	33.892	8.826	26.279	175.2	0.211	89.2	0.28
110	8.904	33.960	8.892	26.322	171.3	0.228	89.4	0.22
120	8.801	33.984	8.788	26.356	168.2	0.245	89.7	0.19
130	8.686	33.970	8.672	26.363	167.7	0.262	89.8	0.20
140	8.317	33.962	8.302	26.414	163.0	0.279	90.0	0.17
150	7.978	33.949	7.964	26.454	159.3	0.295	90.0	0.18
175	7.599	33.982	7.582	26.535	151.8	0.334	90.2	0.15
200	7.306	33.975	7.287	26.572	148.7	0.371	90.5	0.16
225	7.104	33.991	7.083	26.613	145.1	0.408	89.9	0.16
250	6.976	34.040	6.953	26.669	140.1	0.444	90.9	0.16
300	6.858	34.126	6.830	26.754	132.9	0.512	90.9	0.16
400	5.936	34.151	5.902	26.894	120.3	0.638	90.9	0.15
500	5.553	34.246	5.511	27.017	109.6	0.753	90.8	0.15
501	5.548	34.246	5.506	27.018	109.6	0.754	90.8	0.15



STA NO 23 LAT: 38 23.8 N LONG: 124 0.1 W
 11 JUN 1987 1756 GMT PROBE 2561 DEPTH 2791M

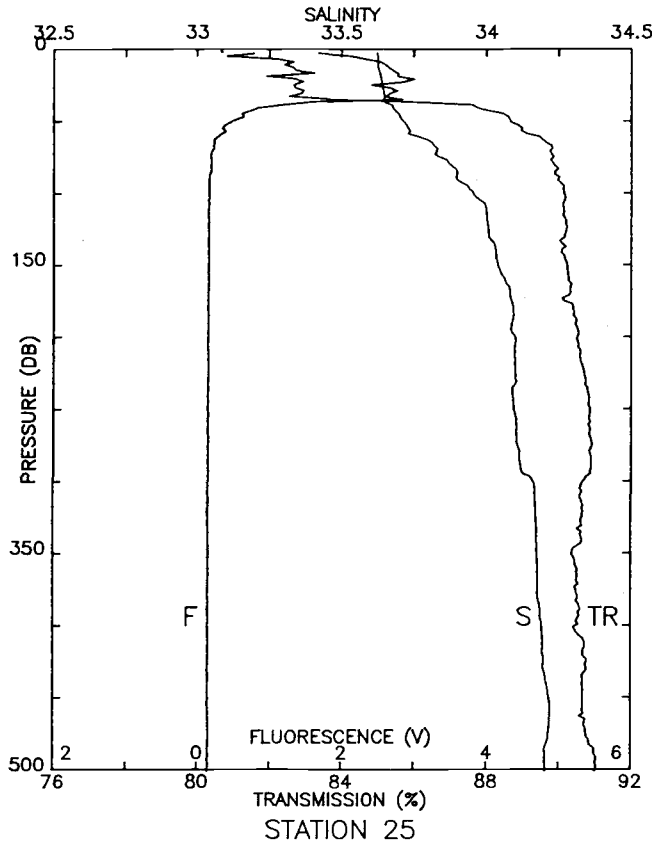
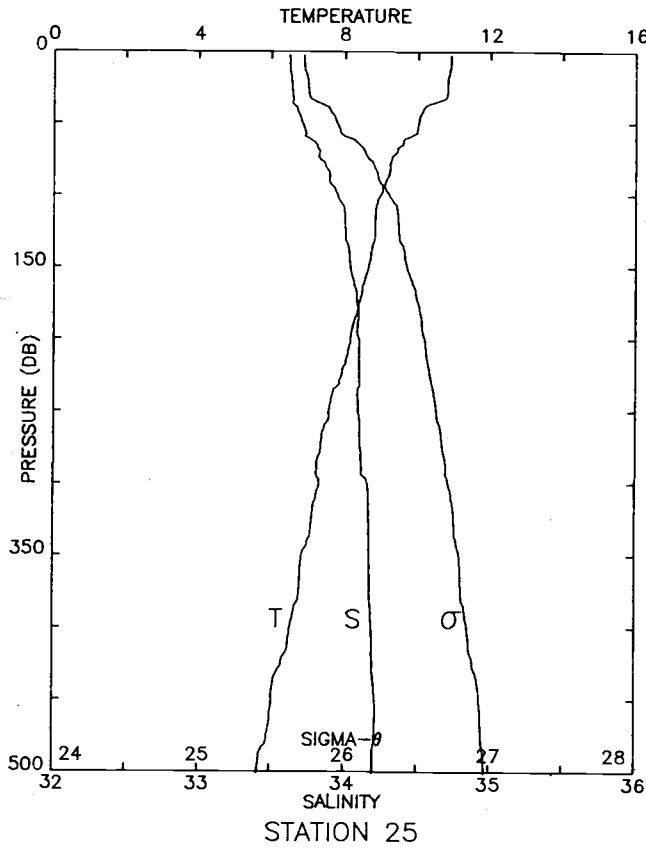
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	11.715	33.242	11.714	25.278	268.4	0.003	85.2	1.33
10	11.705	33.243	11.703	25.280	268.4	0.027	85.3	1.64
20	11.661	33.244	11.659	25.289	267.7	0.054	85.5	2.49
30	11.496	33.251	11.492	25.326	264.5	0.080	85.5	2.35
40	10.617	33.250	10.612	25.481	249.9	0.106	87.7	1.32
50	9.801	33.500	9.795	25.815	218.3	0.129	90.0	0.28
60	9.834	33.786	9.827	26.033	197.8	0.150	89.4	0.29
70	9.408	33.895	9.400	26.189	183.2	0.169	88.6	0.32
80	9.192	33.948	9.183	26.266	176.1	0.187	89.0	0.22
90	9.064	33.974	9.054	26.306	172.4	0.204	89.1	0.22
100	8.992	33.991	8.981	26.331	170.2	0.221	89.2	0.28
110	8.931	34.006	8.919	26.353	168.4	0.238	89.2	0.21
120	8.900	34.017	8.887	26.367	167.2	0.255	89.3	0.26
130	8.759	34.023	8.746	26.393	164.9	0.272	89.4	0.19
140	8.753	34.030	8.738	26.400	164.4	0.288	89.3	0.17
150	8.633	34.032	8.618	26.421	162.7	0.305	89.3	0.17
175	8.432	34.058	8.414	26.472	158.2	0.345	89.6	0.16
200	8.280	34.082	8.259	26.514	154.6	0.384	89.9	0.16
225	8.067	34.095	8.044	26.557	151.0	0.422	90.2	0.15
250	7.767	34.122	7.743	26.622	145.0	0.459	90.6	0.15
300	7.395	34.132	7.366	26.684	139.8	0.530	90.7	0.15
400	6.308	34.129	6.273	26.830	126.7	0.663	90.7	0.15
500	5.767	34.173	5.725	26.934	117.7	0.785	90.7	0.15
501	5.766	34.174	5.724	26.934	117.7	0.786	90.7	0.14

2 MIN GAP AT 205 DB



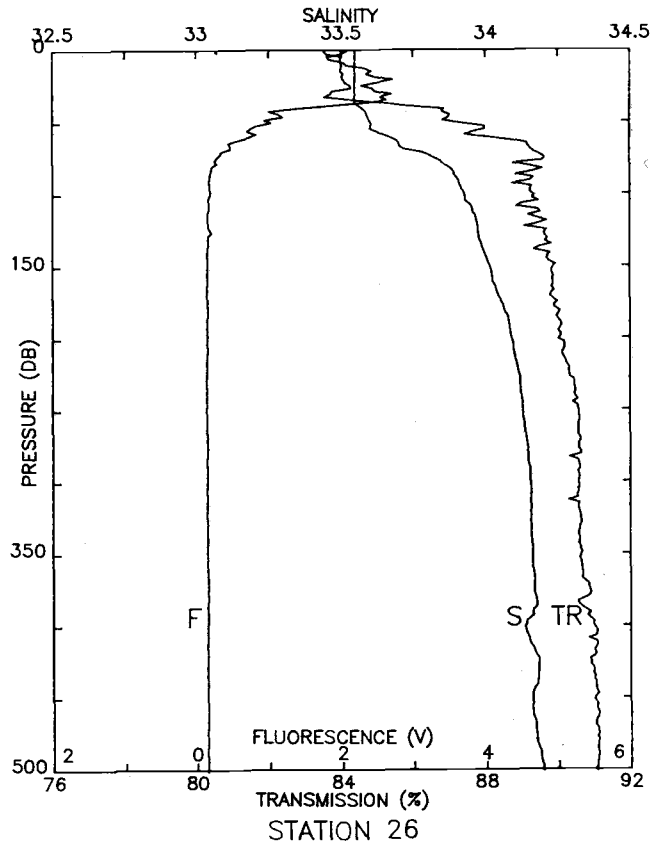
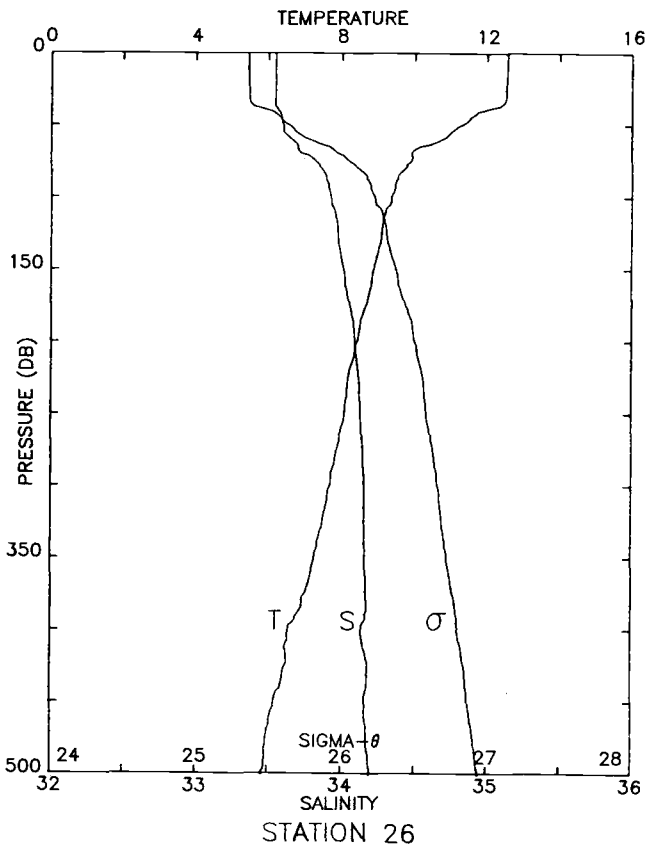
STA NO 24 LAT: 38 5.0 N LONG: 123 48.0 W
 11 JUN 1987 2025 GMT PROBE 2561 DEPTH 3060M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
3	11.874	33.527	11.873	25.469	250.2	0.008	80.6	1.88
10	11.880	33.527	11.879	25.468	250.5	0.025	80.1	2.89
20	11.748	33.525	11.745	25.492	248.5	0.050	80.3	3.06
30	11.624	33.531	11.620	25.519	246.1	0.075	81.2	3.07
40	10.360	33.443	10.356	25.676	231.3	0.099	87.4	1.54
50	9.704	33.471	9.699	25.808	218.9	0.121	89.6	0.30
60	9.356	33.585	9.350	25.954	205.2	0.143	90.1	0.19
70	9.172	33.682	9.165	26.061	195.3	0.163	90.1	0.18
80	9.026	33.747	9.018	26.135	188.5	0.182	89.8	0.16
90	8.902	33.778	8.892	26.179	184.5	0.200	90.2	0.15
100	8.730	33.850	8.720	26.262	176.7	0.219	90.2	0.17
110	8.622	33.923	8.610	26.336	169.9	0.236	89.9	0.17
120	8.554	33.954	8.541	26.371	166.8	0.253	90.1	0.16
130	8.545	33.978	8.531	26.392	165.0	0.269	90.1	0.16
140	8.477	34.006	8.463	26.424	162.1	0.286	90.1	0.16
150	8.355	34.021	8.339	26.454	159.4	0.302	90.2	0.16
175	8.130	34.056	8.112	26.516	153.9	0.341	90.5	0.15
200	7.857	34.068	7.837	26.566	149.5	0.379	90.9	0.15
225	7.628	34.091	7.606	26.618	144.9	0.416	90.6	0.16
250	7.430	34.099	7.406	26.652	142.0	0.451	91.0	0.15
300	6.742	34.100	6.715	26.749	133.3	0.520	91.1	0.15
400	6.257	34.150	6.221	26.853	124.5	0.649	91.0	0.15
500	5.532	34.233	5.490	27.010	110.3	0.766	91.0	0.15
501	5.531	34.233	5.490	27.010	110.3	0.767	91.0	0.15



STA NO 25 LAT: 37 44.7 N LONG: 123 35.9 W
 11 JUN 1987 2251 GMT PROBE 2561 DEPTH 2962M

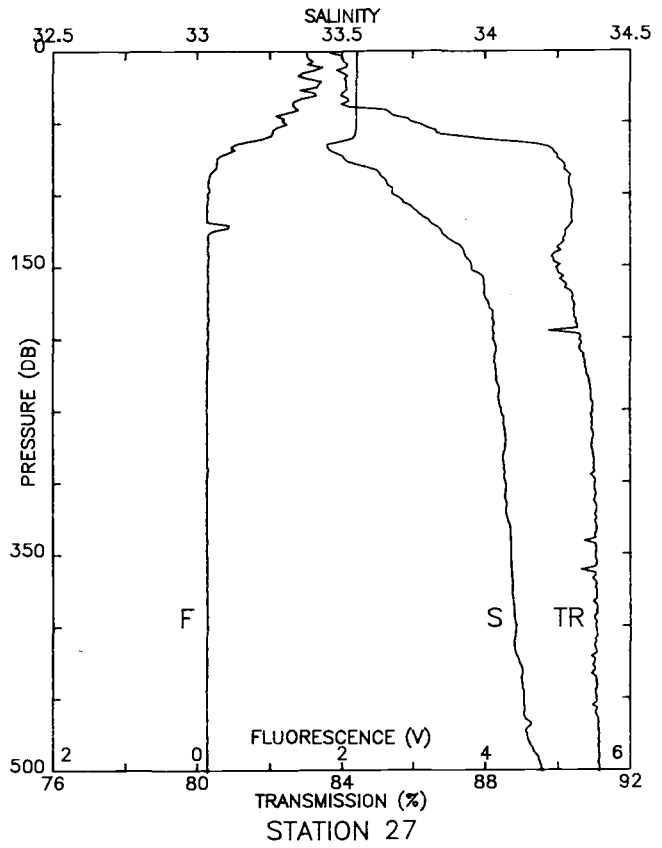
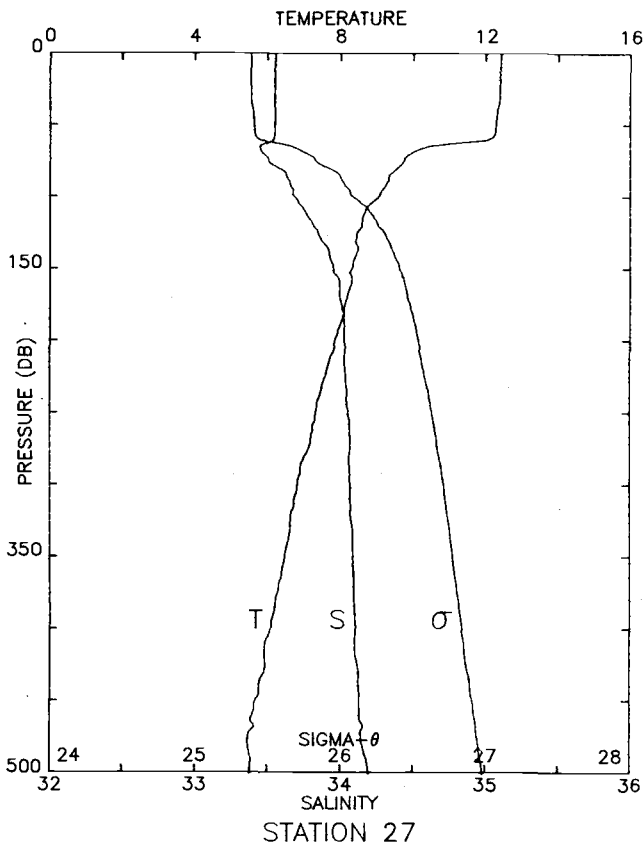
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
3	10.906	33.623	10.906	25.720	226.3	0.007	81.5	1.68
10	10.900	33.626	10.899	25.724	226.1	0.023	82.5	2.58
20	10.816	33.637	10.814	25.748	224.1	0.045	82.3	2.89
30	10.797	33.646	10.794	25.758	223.4	0.068	82.9	2.71
40	10.144	33.677	10.140	25.896	210.5	0.089	87.7	1.00
50	10.003	33.714	9.997	25.948	205.7	0.110	88.7	0.49
60	9.698	33.751	9.692	26.029	198.2	0.130	89.3	0.31
70	9.406	33.829	9.398	26.138	188.0	0.150	89.8	0.22
80	9.226	33.874	9.217	26.202	182.1	0.168	89.9	0.19
90	9.123	33.897	9.113	26.236	179.1	0.186	90.0	0.17
100	8.973	33.954	8.962	26.306	172.7	0.204	90.1	0.16
110	8.840	33.998	8.828	26.361	167.6	0.221	90.1	0.16
120	8.823	34.003	8.810	26.368	167.1	0.237	90.2	0.16
130	8.811	34.008	8.797	26.374	166.8	0.254	90.1	0.16
140	8.709	34.032	8.694	26.409	163.6	0.271	90.1	0.16
150	8.632	34.040	8.616	26.427	162.1	0.287	90.2	0.16
175	8.375	34.087	8.357	26.503	155.2	0.327	90.1	0.15
200	8.146	34.098	8.126	26.547	151.4	0.365	90.5	0.15
225	7.906	34.100	7.884	26.584	148.2	0.402	90.7	0.16
250	7.565	34.094	7.541	26.630	144.2	0.439	90.9	0.15
300	7.329	34.161	7.300	26.716	136.7	0.509	90.7	0.15
400	6.543	34.193	6.507	26.850	125.1	0.640	90.5	0.15
500	5.660	34.205	5.618	26.972	114.0	0.758	91.0	0.15
501	5.657	34.205	5.615	26.972	114.0	0.760	91.0	0.15



STA NO 26 LAT: 37 37.9 N LONG: 123 54.2 W
 12 JUN 1987 0041 GMT PROBE 2561 DEPTH 3470M

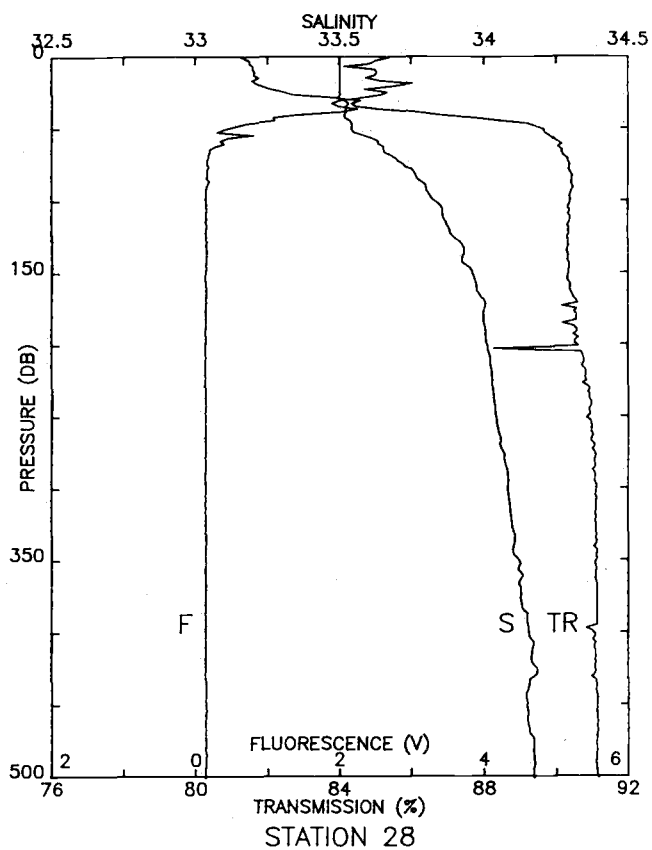
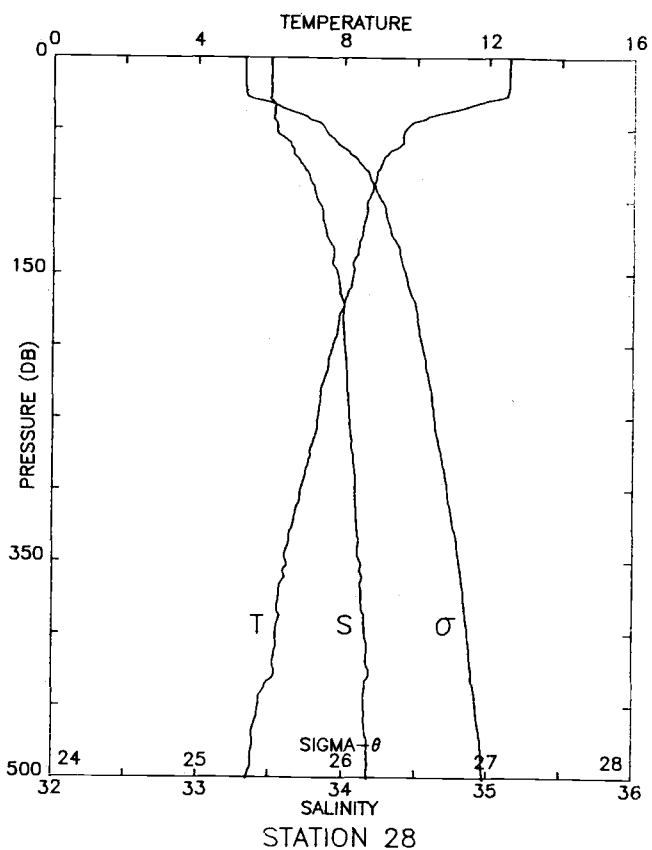
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	12.551	33.548	12.550	25.357	260.9	0.003	83.5	2.08
10	12.540	33.547	12.538	25.358	261.0	0.026	84.0	2.05
20	12.524	33.547	12.521	25.361	260.9	0.052	84.0	2.60
30	12.507	33.546	12.503	25.365	260.9	0.078	83.7	2.59
40	11.870	33.567	11.865	25.502	248.0	0.104	86.3	1.61
50	11.279	33.602	11.273	25.638	235.3	0.128	87.1	0.98
60	10.736	33.660	10.729	25.781	221.9	0.151	87.8	0.78
70	9.921	33.749	9.914	25.990	202.1	0.172	89.3	0.41
80	9.706	33.861	9.697	26.113	190.6	0.192	89.0	0.25
90	9.452	33.904	9.443	26.189	183.6	0.210	89.3	0.18
100	9.347	33.927	9.336	26.224	180.5	0.229	89.3	0.19
110	9.181	33.954	9.170	26.272	176.1	0.246	89.1	0.18
120	9.094	33.971	9.081	26.300	173.6	0.264	89.6	0.16
130	9.056	33.977	9.042	26.311	172.8	0.281	89.7	0.16
140	8.962	33.995	8.947	26.340	170.2	0.298	89.6	0.15
150	8.858	34.016	8.842	26.372	167.3	0.315	89.9	0.16
175	8.645	34.055	8.627	26.437	161.6	0.357	90.0	0.15
200	8.408	34.091	8.387	26.502	155.8	0.396	90.1	0.15
225	8.169	34.118	8.146	26.559	150.7	0.434	90.3	0.15
250	8.078	34.130	8.052	26.583	148.9	0.472	90.6	0.14
300	7.680	34.156	7.650	26.663	142.0	0.544	90.6	0.15
400	6.563	34.137	6.527	26.803	129.5	0.680	91.0	0.15
500	5.830	34.198	5.788	26.945	116.7	0.803	91.1	0.15
501	5.830	34.198	5.787	26.946	116.7	0.805	91.1	0.15

6 MIN GAP AT 400 DB



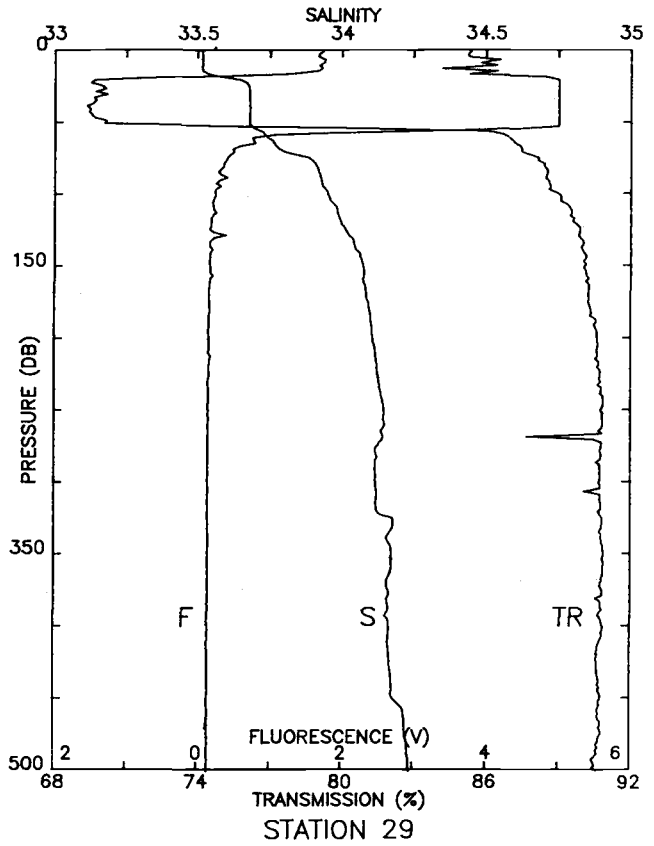
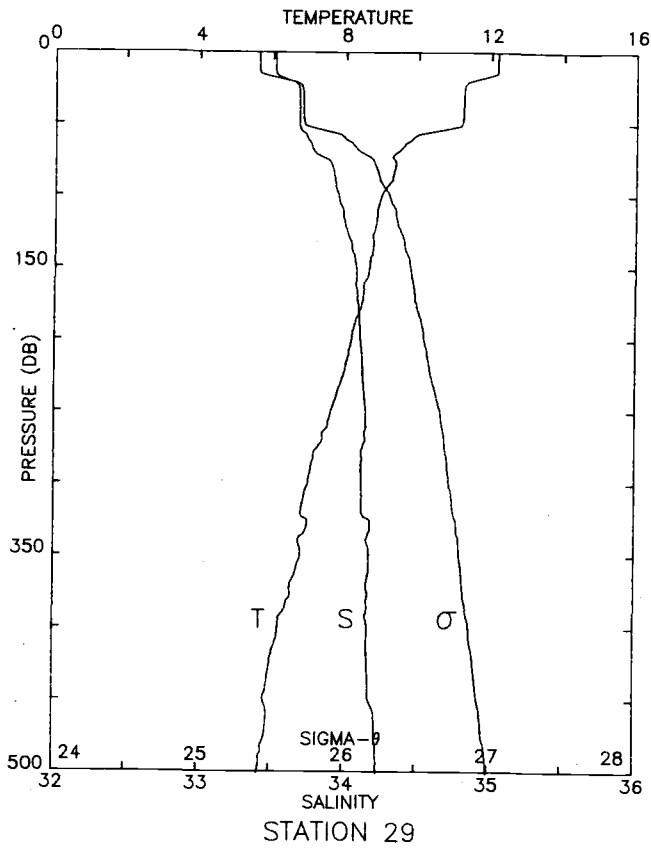
STA NO 27 LAT: 37 45.3 N LONG: 123 58.7 W
 12 JUN 1987 0212 GMT PROBE 2561 DEPTH 3505M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	12.421	33.552	12.421	25.385	258.2	0.003	83.7	1.51
10	12.404	33.551	12.403	25.388	258.2	0.026	84.1	1.62
20	12.405	33.551	12.403	25.388	258.4	0.052	84.1	1.63
30	12.395	33.551	12.391	25.390	258.4	0.077	84.0	1.64
40	12.325	33.551	12.320	25.403	257.4	0.103	84.7	1.37
50	12.280	33.550	12.274	25.412	256.9	0.129	86.1	1.21
60	12.096	33.541	12.088	25.440	254.4	0.155	87.6	0.96
70	9.941	33.469	9.933	25.768	223.2	0.178	89.9	0.48
80	9.579	33.573	9.570	25.910	209.9	0.200	90.2	0.27
90	9.293	33.655	9.284	26.020	199.6	0.220	90.3	0.16
100	9.052	33.688	9.042	26.084	193.7	0.240	90.4	0.15
110	8.684	33.758	8.672	26.197	183.1	0.259	90.4	0.14
120	8.585	33.818	8.573	26.260	177.3	0.277	90.4	0.29
130	8.423	33.872	8.410	26.327	171.1	0.294	90.2	0.15
140	8.431	33.927	8.417	26.369	167.3	0.311	90.0	0.15
150	8.315	33.953	8.300	26.407	163.8	0.327	90.0	0.15
175	8.120	34.010	8.102	26.481	157.2	0.368	90.4	0.14
200	7.841	34.026	7.822	26.536	152.4	0.406	90.6	0.15
225	7.595	34.039	7.573	26.581	148.4	0.444	90.8	0.14
250	7.336	34.055	7.312	26.631	143.9	0.480	91.0	0.14
300	6.831	34.070	6.804	26.713	136.7	0.550	91.0	0.13
400	6.097	34.107	6.063	26.839	125.6	0.682	91.0	0.15
500	5.532	34.196	5.490	26.980	113.1	0.801	91.1	0.14
501	5.532	34.196	5.490	26.981	113.1	0.802	91.1	0.14



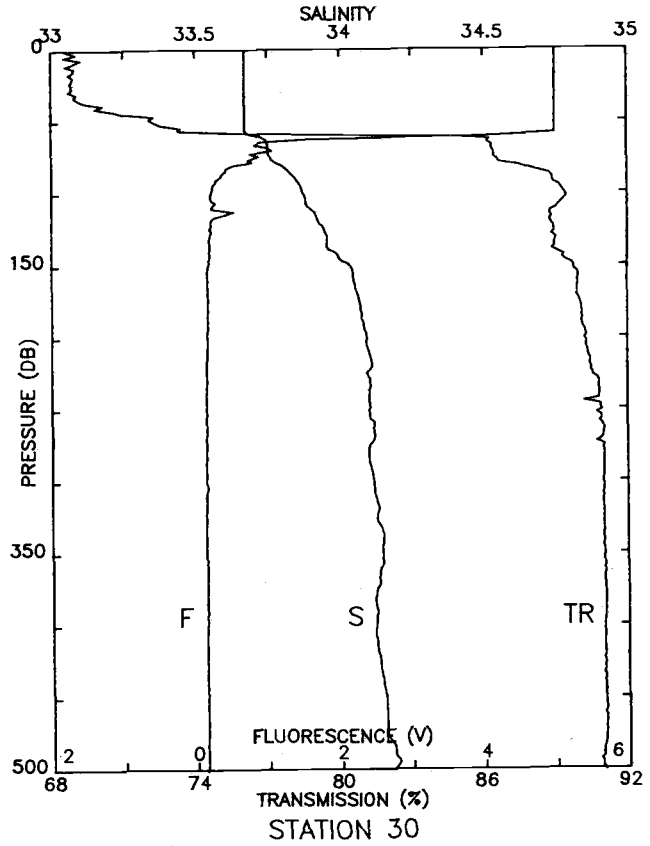
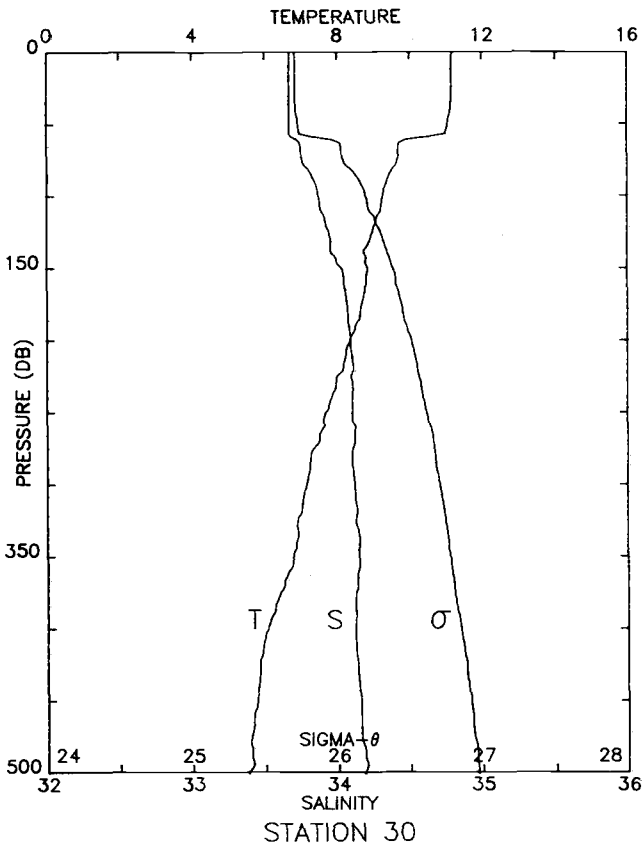
STA NO 28 LAT: 37 52.5 N LONG: 124 3.4 W
12 JUN 1987 0325 GMT PROBE 2561 DEPTH 3720M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	12.560	33.502	12.560	25.319	264.4	0.003	81.3	2.69
10	12.555	33.503	12.554	25.321	264.5	0.026	81.6	2.52
20	12.548	33.502	12.545	25.322	264.6	0.053	81.8	2.89
30	11.987	33.504	11.983	25.431	254.5	0.079	84.3	2.15
40	10.460	33.520	10.455	25.719	227.3	0.103	86.5	1.73
50	9.659	33.542	9.654	25.871	213.0	0.125	89.5	0.48
60	9.567	33.637	9.561	25.961	204.7	0.146	90.1	0.37
70	9.070	33.690	9.062	26.083	193.2	0.166	90.3	0.18
80	8.888	33.759	8.879	26.165	185.5	0.185	90.4	0.16
90	8.791	33.801	8.781	26.214	181.1	0.203	90.5	0.17
100	8.632	33.829	8.622	26.261	176.9	0.221	90.4	0.14
110	8.601	33.859	8.590	26.289	174.3	0.239	90.4	0.15
120	8.512	33.881	8.499	26.320	171.5	0.256	90.3	0.15
130	8.410	33.922	8.397	26.368	167.2	0.273	90.3	0.15
140	8.275	33.925	8.261	26.391	165.2	0.289	90.3	0.15
150	8.249	33.960	8.234	26.422	162.4	0.306	90.3	0.14
175	7.953	34.002	7.936	26.500	155.4	0.346	90.6	0.14
200	7.710	34.011	7.691	26.542	151.7	0.384	90.6	0.14
225	7.472	34.031	7.451	26.592	147.3	0.421	90.9	0.14
250	7.303	34.041	7.279	26.625	144.5	0.458	90.9	0.14
300	6.856	34.083	6.829	26.720	136.0	0.528	91.1	0.14
400	6.185	34.155	6.150	26.866	123.2	0.657	91.1	0.14
500	5.395	34.172	5.354	26.978	113.1	0.775	91.2	0.14
501	5.386	34.173	5.345	26.979	113.0	0.777	91.2	0.14



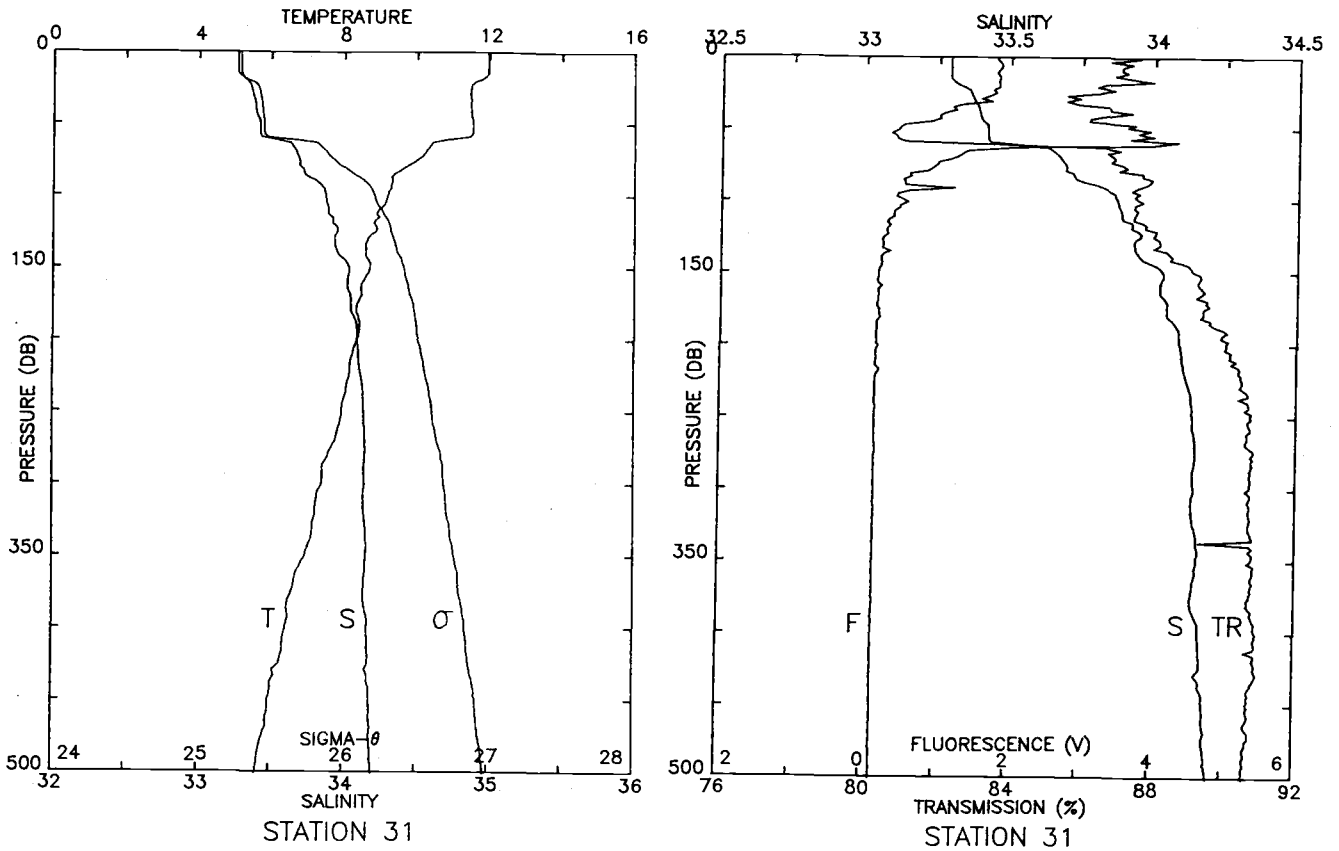
STA NO 29 LAT: 37 59.5 N LONG: 124 8.0 W
12 JUN 1987 0446 GMT PROBE 2561 DEPTH 3713M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	12.174	33.514	12.174	25.403	256.5	0.003	79.2	3.79
10	12.166	33.515	12.164	25.405	256.5	0.026	79.1	4.03
20	11.459	33.617	11.457	25.616	236.6	0.051	71.6	4.91
30	11.234	33.679	11.230	25.706	228.3	0.074	69.9	5.00
40	11.225	33.680	11.220	25.709	228.3	0.097	69.4	5.00
50	11.173	33.678	11.167	25.717	227.8	0.119	70.1	5.00
60	9.829	33.737	9.822	25.996	201.4	0.141	86.8	0.92
70	9.371	33.790	9.364	26.113	190.4	0.160	87.5	0.49
80	9.352	33.908	9.343	26.209	181.5	0.179	88.4	0.36
90	9.238	33.927	9.228	26.242	178.5	0.197	88.5	0.35
100	8.977	33.951	8.966	26.303	172.9	0.214	89.0	0.24
110	8.865	33.982	8.853	26.345	169.1	0.232	89.5	0.22
120	8.836	33.997	8.823	26.361	167.8	0.248	89.7	0.19
130	8.749	34.031	8.735	26.402	164.1	0.265	89.9	0.31
140	8.730	34.057	8.715	26.425	162.1	0.281	90.0	0.19
150	8.657	34.075	8.641	26.450	159.9	0.297	90.1	0.17
175	8.463	34.093	8.445	26.495	156.0	0.337	90.2	0.17
200	8.184	34.109	8.163	26.550	151.2	0.375	90.6	0.16
225	7.963	34.125	7.941	26.596	147.2	0.412	90.7	0.16
250	7.627	34.150	7.603	26.664	141.0	0.448	90.8	0.15
300	7.017	34.119	6.989	26.727	135.5	0.517	90.7	0.14
400	6.229	34.167	6.193	26.870	122.8	0.647	90.9	0.15
500	5.683	34.238	5.640	26.995	111.8	0.764	90.5	0.14
501	5.679	34.238	5.637	26.996	111.8	0.765	90.6	0.14



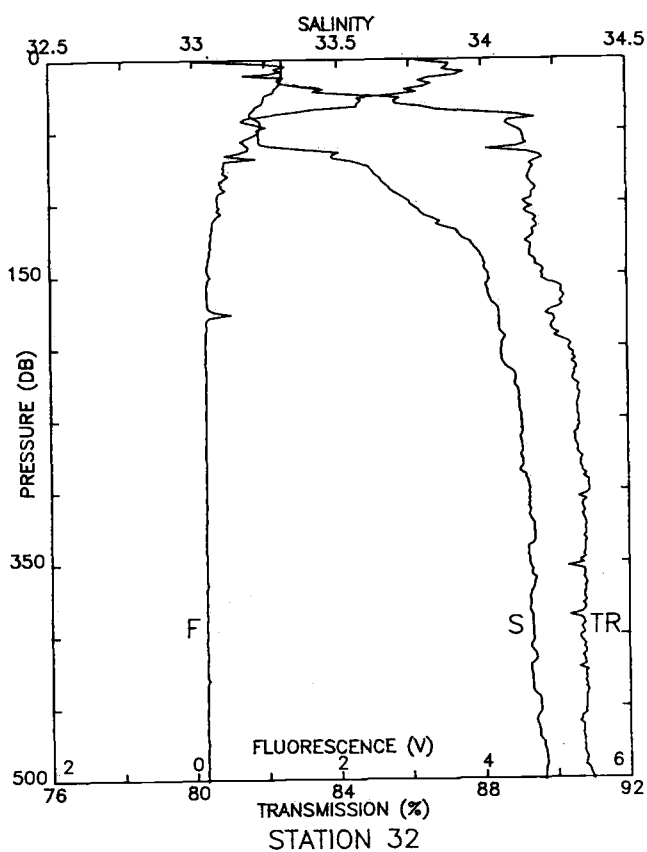
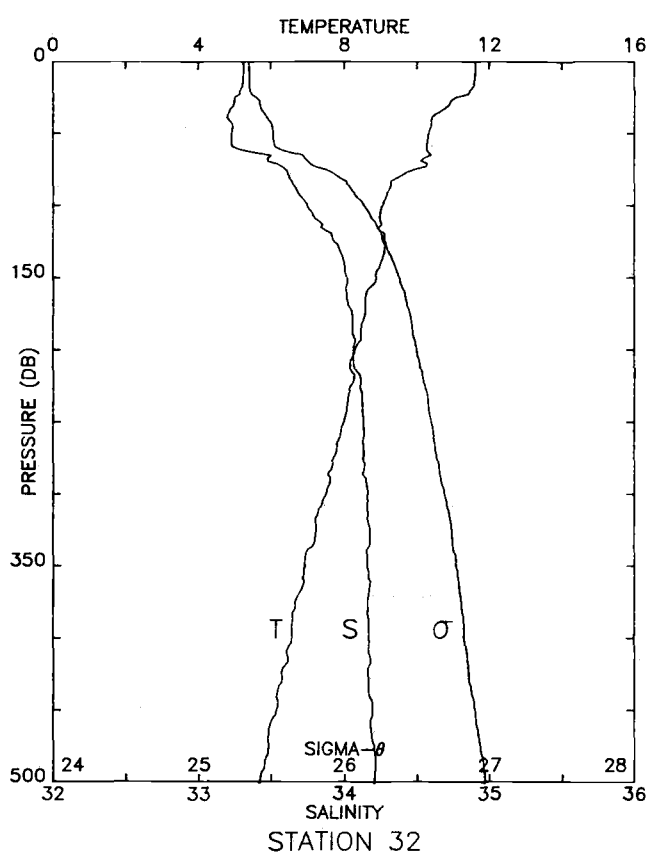
STA NO 30 LAT: 38 6.8 N LONG: 124 12.5 W
 12 JUN 1987 0600 GMT PROBE 2561 DEPTH 3727M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	11.186	33.675	11.186	25.711	227.2	0.002	68.7	5.00
10	11.165	33.672	11.163	25.713	227.2	0.023	68.8	5.00
20	11.167	33.672	11.164	25.712	227.5	0.045	68.9	5.00
30	11.168	33.672	11.164	25.713	227.7	0.068	68.9	5.00
40	11.144	33.673	11.139	25.718	227.5	0.091	70.0	5.00
50	11.062	33.674	11.056	25.734	226.2	0.114	72.2	5.00
60	10.237	33.706	10.230	25.903	210.3	0.136	80.4	4.50
70	9.689	33.754	9.681	26.033	198.0	0.156	86.4	1.04
80	9.562	33.790	9.553	26.082	193.6	0.176	87.1	0.65
90	9.357	33.846	9.348	26.159	186.4	0.195	88.9	0.32
100	9.250	33.873	9.240	26.197	183.0	0.213	89.4	0.22
110	9.184	33.892	9.172	26.224	180.7	0.231	89.1	0.23
120	9.019	33.926	9.007	26.277	175.8	0.249	88.8	0.22
130	8.895	33.956	8.881	26.320	171.9	0.266	88.9	0.20
140	8.761	33.972	8.747	26.353	168.9	0.283	89.0	0.20
150	8.843	34.035	8.827	26.390	165.6	0.300	89.8	0.18
175	8.655	34.069	8.636	26.446	160.7	0.341	90.0	0.17
200	8.337	34.093	8.317	26.514	154.6	0.381	90.2	0.16
225	7.982	34.092	7.959	26.567	150.0	0.419	90.6	0.15
250	7.692	34.104	7.667	26.619	145.3	0.455	90.9	0.15
300	7.141	34.118	7.113	26.709	137.3	0.526	91.0	0.14
400	6.077	34.122	6.042	26.854	124.3	0.657	91.0	0.14
500	5.536	34.185	5.495	26.971	113.9	0.775	91.0	0.14
501	5.519	34.183	5.477	26.972	113.9	0.777	91.0	0.14



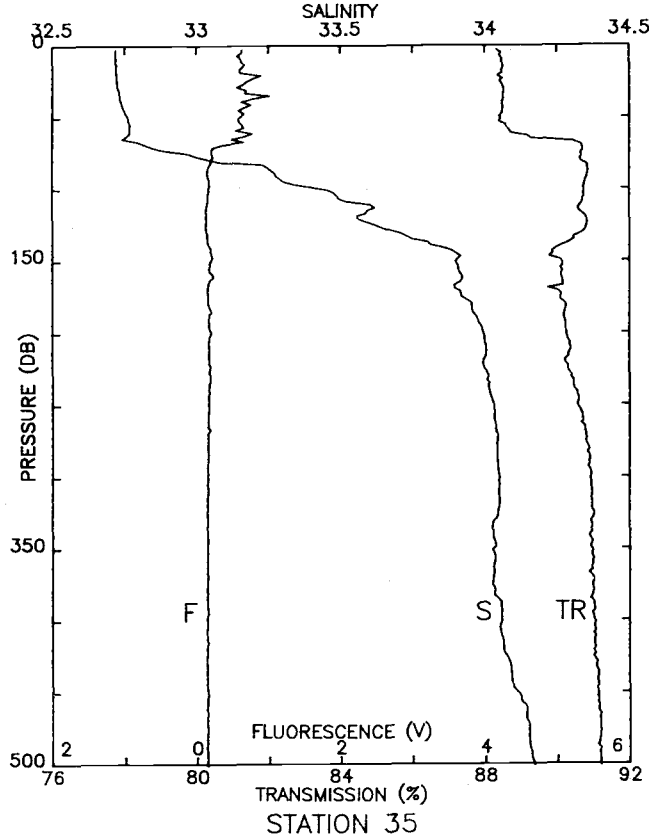
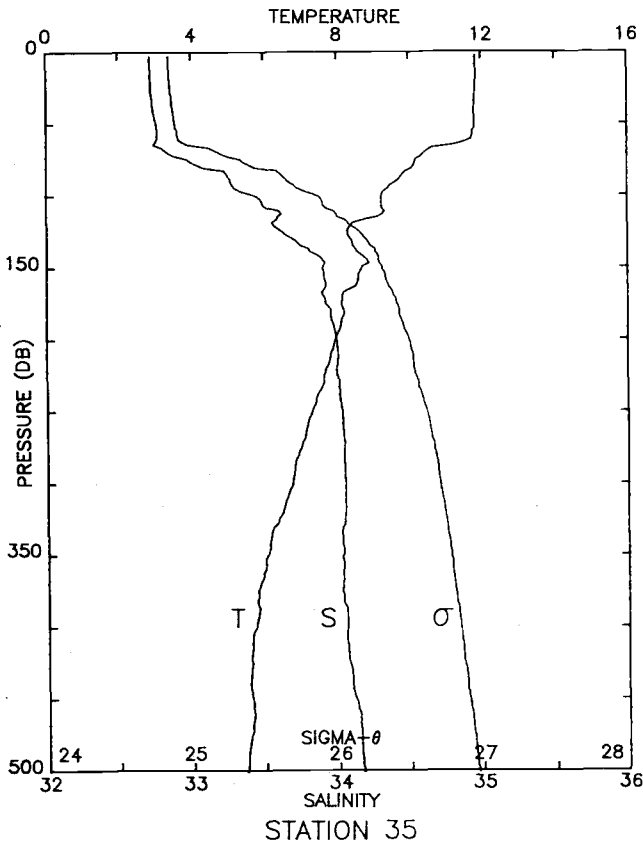
STA NO 31 LAT: 38 14.0 N LONG: 124 17.3 W
 12 JUN 1987 0719 GMT PROBE 2561 DEPTH 3697M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	11.961	33.288	11.961	25.268	269.3	0.003	83.6	3.78
10	11.964	33.288	11.963	25.267	269.6	0.027	83.6	3.57
20	11.691	33.323	11.689	25.345	262.4	0.054	83.7	3.26
30	11.469	33.372	11.465	25.425	255.1	0.079	83.3	2.87
40	11.487	33.393	11.482	25.438	254.1	0.105	82.1	3.51
50	11.541	33.421	11.535	25.450	253.2	0.130	80.9	3.78
60	11.142	33.485	11.135	25.571	241.8	0.155	82.6	4.15
70	10.225	33.676	10.217	25.882	212.5	0.177	86.9	1.21
80	9.698	33.707	9.689	25.995	201.9	0.198	87.3	0.73
90	9.308	33.815	9.298	26.143	188.0	0.218	87.6	0.89
100	9.182	33.875	9.171	26.210	181.8	0.236	87.6	0.55
110	8.953	33.890	8.941	26.259	177.3	0.254	87.5	0.39
120	8.845	33.935	8.833	26.311	172.6	0.272	87.9	0.29
130	8.650	33.932	8.636	26.339	170.0	0.289	88.2	0.25
140	8.592	33.958	8.577	26.369	167.3	0.306	88.5	0.22
150	8.702	34.034	8.686	26.411	163.6	0.322	89.2	0.19
175	8.354	34.047	8.337	26.475	157.9	0.362	89.4	0.20
200	8.362	34.094	8.341	26.511	154.9	0.402	90.0	0.18
225	8.149	34.120	8.126	26.564	150.3	0.440	90.5	0.16
250	7.947	34.141	7.922	26.611	146.2	0.477	90.7	0.15
300	7.403	34.147	7.374	26.695	138.8	0.548	90.7	0.15
400	6.438	34.168	6.402	26.844	125.5	0.680	90.9	0.14
500	5.621	34.204	5.579	26.976	113.6	0.799	90.6	0.14
501	5.614	34.205	5.572	26.977	113.5	0.801	90.6	0.14



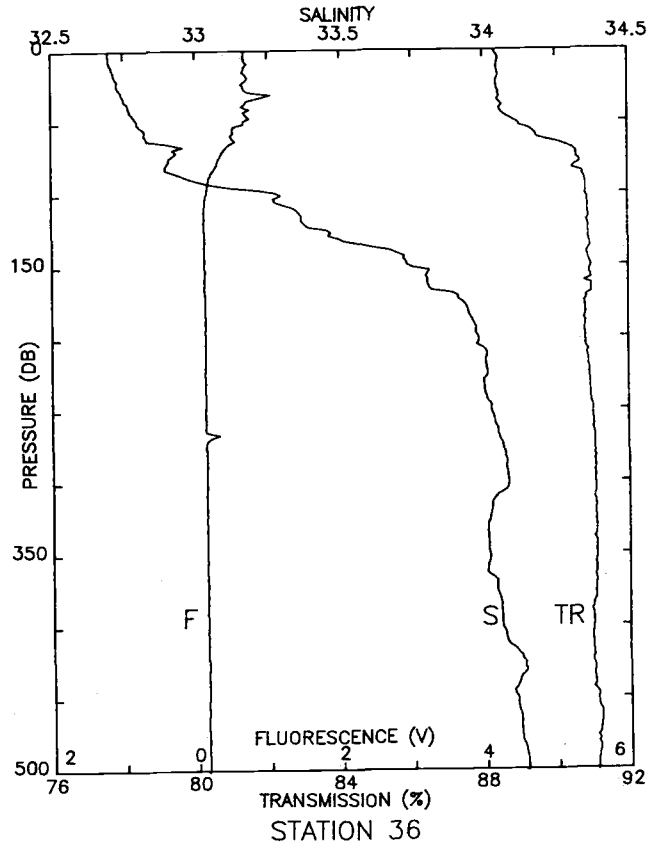
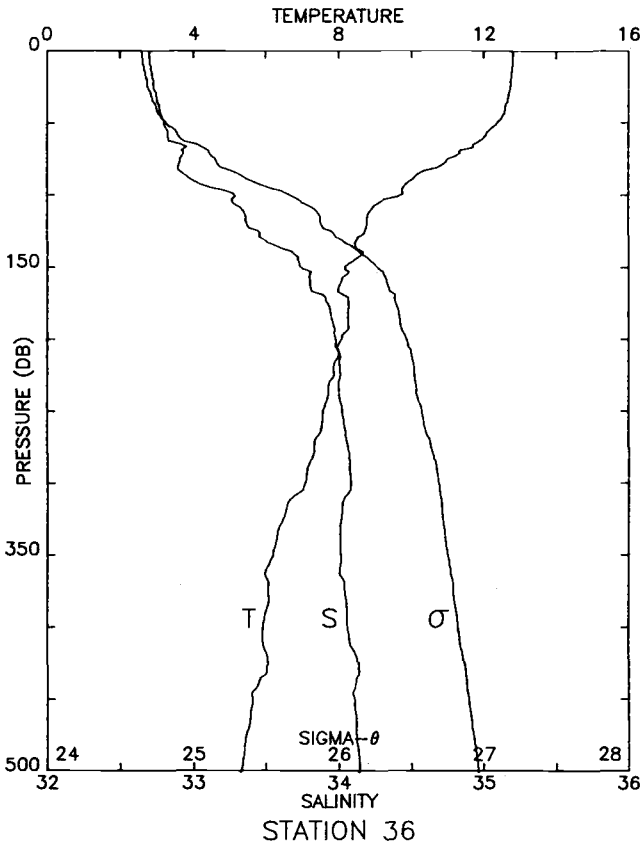
STA NO 32 LAT: 38 21.6 N LONG: 124 21.8 W
12 JUN 1987 0833 GMT PROBE 2561 DEPTH 3740M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	11.617	33.308	11.617	25.347	261.8	0.003	80.0	3.11
10	11.610	33.309	11.609	25.349	261.8	0.026	81.9	3.69
20	11.483	33.289	11.480	25.357	261.3	0.052	83.3	3.08
30	10.890	33.240	10.886	25.426	255.0	0.078	85.6	2.30
40	10.398	33.203	10.393	25.483	249.7	0.103	89.2	0.88
50	10.317	33.229	10.312	25.517	246.7	0.128	89.1	0.90
60	10.257	33.262	10.250	25.553	243.5	0.153	89.1	0.75
70	10.200	33.516	10.192	25.761	223.9	0.176	89.6	0.65
80	9.522	33.630	9.513	25.963	204.8	0.197	89.3	0.45
90	9.189	33.680	9.179	26.056	196.1	0.217	89.5	0.41
100	9.027	33.750	9.017	26.137	188.6	0.236	89.1	0.33
110	8.976	33.818	8.964	26.198	183.0	0.255	89.5	0.30
120	9.090	33.913	9.077	26.255	177.9	0.273	89.4	0.24
130	9.094	33.967	9.080	26.297	174.1	0.291	89.3	0.23
140	8.985	34.002	8.970	26.341	170.1	0.308	89.5	0.20
150	8.849	34.018	8.833	26.376	167.0	0.325	89.6	0.21
175	8.554	34.054	8.536	26.450	160.3	0.366	89.8	0.27
200	8.290	34.063	8.269	26.498	156.1	0.405	90.4	0.15
225	8.158	34.107	8.135	26.553	151.4	0.444	90.5	0.16
250	7.979	34.131	7.954	26.599	147.4	0.481	90.6	0.16
300	7.498	34.158	7.469	26.690	139.3	0.553	90.9	0.15
400	6.562	34.168	6.526	26.827	127.2	0.685	90.7	0.16
500	5.674	34.204	5.632	26.970	114.3	0.806	91.0	0.15
501	5.669	34.204	5.626	26.970	114.2	0.807	91.0	0.15



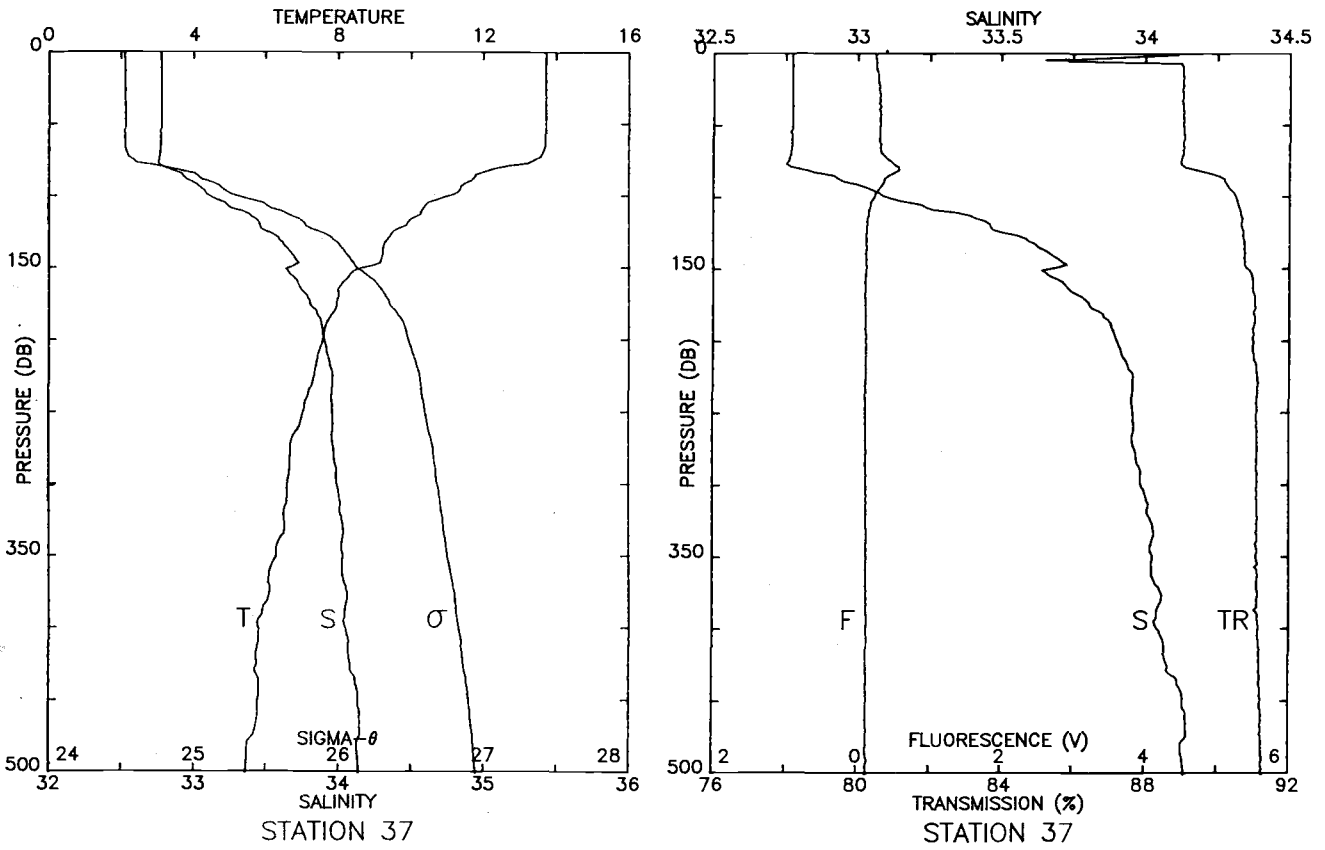
STA NO 35 LAT: 38 42.6 N LONG: 124 35.8 W
12 JUN 1987 1239 GMT PROBE 2561 DEPTH 3631M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	11.848	32.718	11.848	24.846	309.5	0.009	88.3	0.63
10	11.841	32.718	11.839	24.848	309.5	0.031	88.5	0.62
20	11.830	32.720	11.828	24.851	309.4	0.062	88.4	0.75
30	11.809	32.726	11.805	24.860	308.8	0.093	88.5	0.62
40	11.788	32.737	11.783	24.873	307.8	0.124	88.5	0.68
50	11.806	32.759	11.800	24.887	306.7	0.154	88.4	0.59
60	11.716	32.765	11.708	24.908	304.9	0.185	88.7	0.65
70	10.446	32.833	10.438	25.187	278.5	0.214	90.7	0.27
80	10.099	33.061	10.090	25.423	256.2	0.241	90.6	0.20
90	9.650	33.273	9.640	25.663	233.5	0.265	90.8	0.15
100	9.223	33.430	9.212	25.856	215.4	0.288	90.7	0.16
110	9.278	33.563	9.266	25.951	206.6	0.309	90.7	0.15
120	8.401	33.558	8.389	26.084	193.9	0.329	90.8	0.13
130	8.350	33.690	8.337	26.195	183.6	0.348	90.7	0.13
140	8.598	33.833	8.583	26.270	176.7	0.366	90.1	0.18
150	8.677	33.899	8.661	26.310	173.2	0.383	90.1	0.19
175	8.104	33.918	8.087	26.411	163.8	0.425	90.1	0.15
200	7.938	33.994	7.918	26.496	156.2	0.465	90.3	0.20
225	7.626	33.999	7.604	26.546	151.7	0.504	90.3	0.19
250	7.287	34.030	7.263	26.619	145.1	0.541	90.6	0.16
300	6.743	34.050	6.715	26.709	137.0	0.611	90.9	0.15
400	5.733	34.058	5.700	26.846	124.6	0.742	91.0	0.14
500	5.476	34.171	5.435	26.967	114.3	0.861	91.2	0.14
501	5.472	34.171	5.431	26.968	114.2	0.862	91.2	0.15



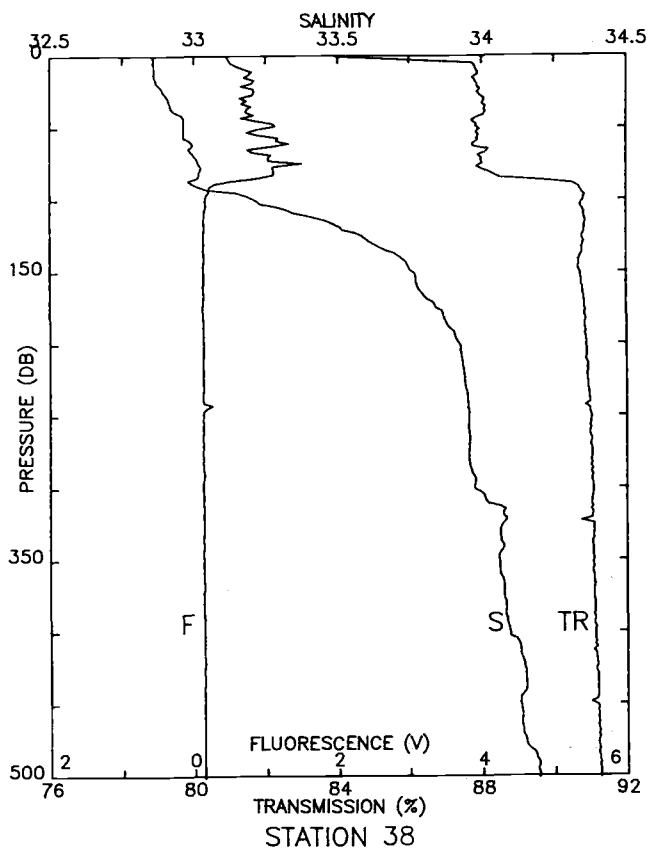
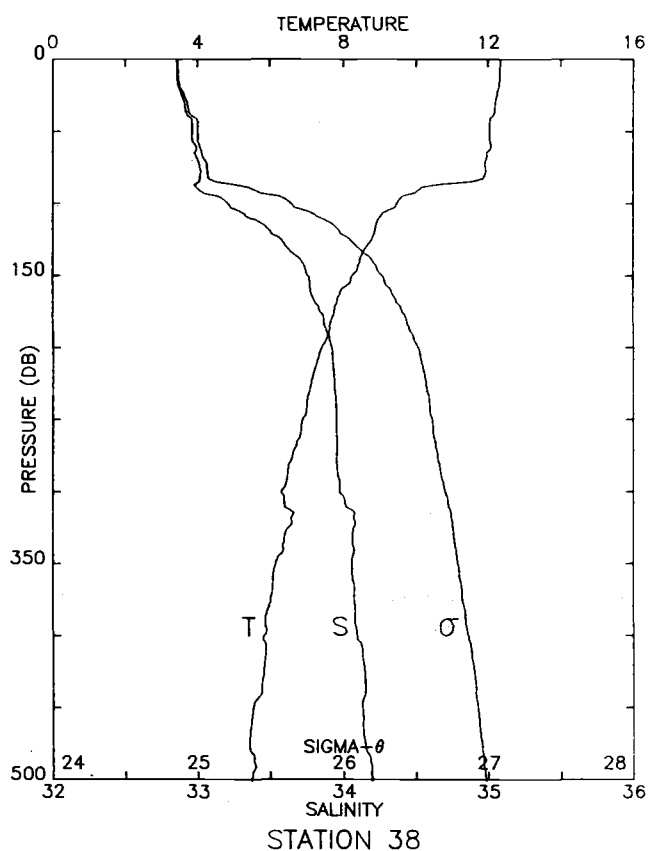
STA NO 36 LAT: 38 49.8 N LONG: 124 40.6 W
 12 JUN 1987 1359 GMT PROBE 2561 DEPTH 3570M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	12.806	32.697	12.806	24.648	328.3	0.003	88.3	0.68
10	12.789	32.705	12.788	24.658	327.6	0.033	88.4	0.70
20	12.741	32.726	12.738	24.683	325.4	0.065	88.4	0.71
30	12.682	32.745	12.678	24.710	323.2	0.098	88.4	0.89
40	12.580	32.769	12.575	24.749	319.7	0.130	88.5	0.70
50	12.356	32.799	12.349	24.815	313.7	0.162	88.9	0.67
60	11.997	32.828	11.990	24.905	305.3	0.193	89.5	0.50
70	11.323	32.927	11.315	25.106	286.3	0.222	90.5	0.38
80	10.771	32.897	10.761	25.180	279.4	0.251	90.6	0.29
90	9.964	32.997	9.954	25.396	258.9	0.277	90.8	0.18
100	9.683	33.286	9.672	25.669	233.2	0.302	90.8	0.15
110	8.878	33.340	8.867	25.840	217.0	0.325	90.9	0.12
120	8.767	33.373	8.755	25.883	213.1	0.346	90.9	0.12
130	8.508	33.475	8.495	26.003	201.8	0.367	90.9	0.12
140	8.643	33.688	8.629	26.149	188.2	0.386	90.9	0.11
150	8.159	33.744	8.144	26.266	177.1	0.404	91.0	0.11
175	8.264	33.925	8.246	26.393	165.6	0.447	90.8	0.13
200	8.069	33.980	8.049	26.466	159.1	0.488	90.8	0.13
225	7.863	34.012	7.841	26.522	154.2	0.527	90.9	0.12
250	7.570	34.024	7.546	26.574	149.5	0.565	91.0	0.13
300	7.074	34.082	7.046	26.690	139.1	0.637	91.1	0.13
400	5.925	34.058	5.891	26.822	127.1	0.770	91.0	0.14
500	5.311	34.142	5.270	26.964	114.4	0.890	91.1	0.14
501	5.297	34.141	5.256	26.964	114.3	0.891	91.1	0.14



STA NO 37 LAT: 38 56.5 N LONG: 124 45.0 W
 12 JUN 1987 1520 GMT PROBE 2561 DEPTH 3375M

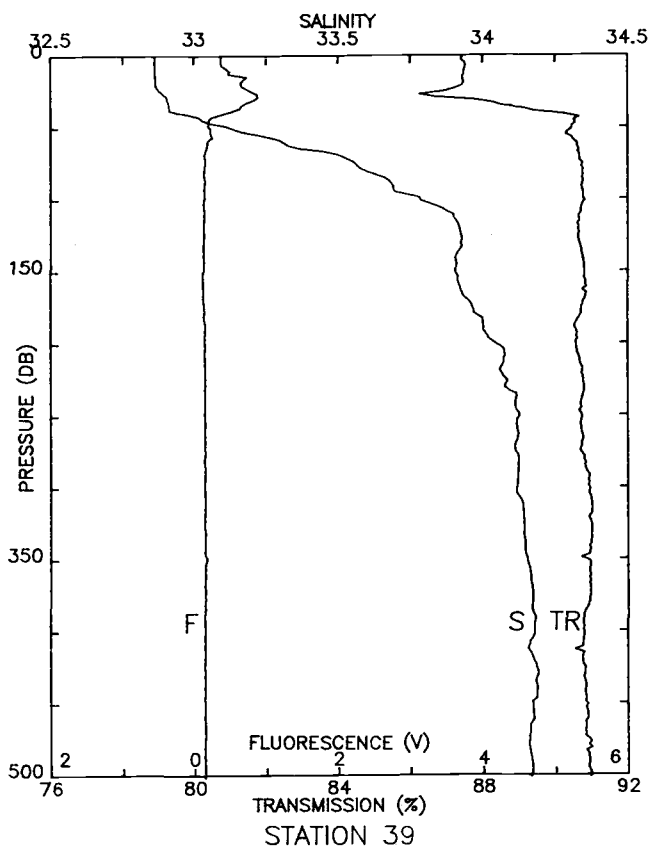
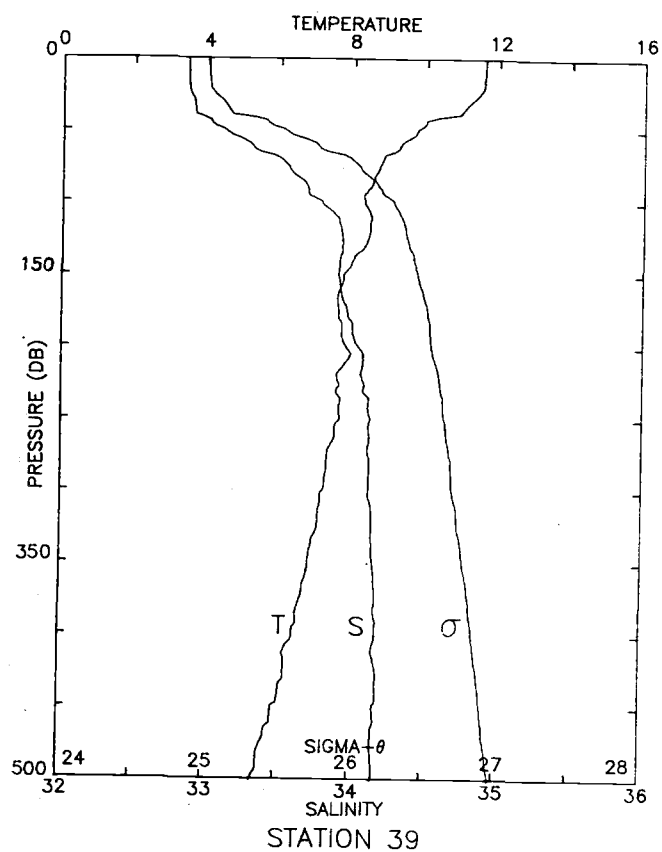
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	13.714	32.771	13.714	24.525	340.1	0.003	88.9	0.25
10	13.712	32.771	13.711	24.525	340.3	0.034	89.0	0.26
20	13.710	32.771	13.707	24.526	340.4	0.068	89.0	0.29
30	13.712	32.772	13.708	24.526	340.7	0.102	89.0	0.31
40	13.711	32.771	13.706	24.526	341.0	0.136	89.1	0.30
50	13.711	32.771	13.704	24.527	341.2	0.170	89.1	0.31
60	13.707	32.771	13.698	24.527	341.4	0.204	89.1	0.31
70	13.625	32.767	13.615	24.542	340.3	0.239	89.1	0.36
80	12.478	32.786	12.467	24.782	317.5	0.272	89.3	0.58
90	11.589	32.975	11.577	25.095	287.9	0.302	90.2	0.36
100	11.037	33.105	11.025	25.296	268.9	0.330	90.5	0.23
110	10.302	33.302	10.289	25.578	242.2	0.355	90.6	0.16
120	9.877	33.462	9.863	25.774	223.7	0.378	90.7	0.13
130	9.365	33.593	9.351	25.961	206.1	0.400	90.7	0.12
140	9.215	33.677	9.200	26.051	197.7	0.420	90.8	0.12
150	8.722	33.669	8.706	26.122	191.0	0.439	90.8	0.12
175	7.945	33.809	7.928	26.350	169.6	0.484	91.0	0.11
200	7.560	33.904	7.541	26.480	157.5	0.524	91.0	0.12
225	7.326	33.960	7.304	26.557	150.5	0.563	91.1	0.12
250	7.043	33.961	7.020	26.598	146.9	0.600	91.1	0.12
300	6.597	33.989	6.570	26.680	139.6	0.671	91.1	0.13
400	5.792	34.047	5.758	26.830	126.3	0.804	91.1	0.13
500	5.443	34.139	5.402	26.946	116.2	0.925	91.2	0.14
501	5.440	34.140	5.398	26.947	116.1	0.926	91.3	0.13



STA NO 38 LAT: 39 4.0 N LONG:124 25.8 W
12 JUN 1987 1717 GMT PROBE 2561 DEPTH 3294M

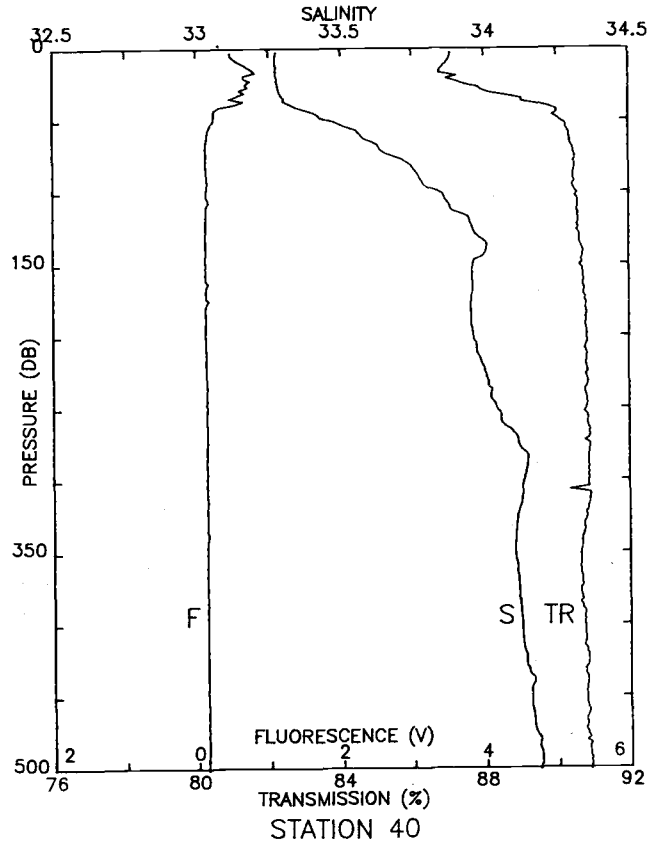
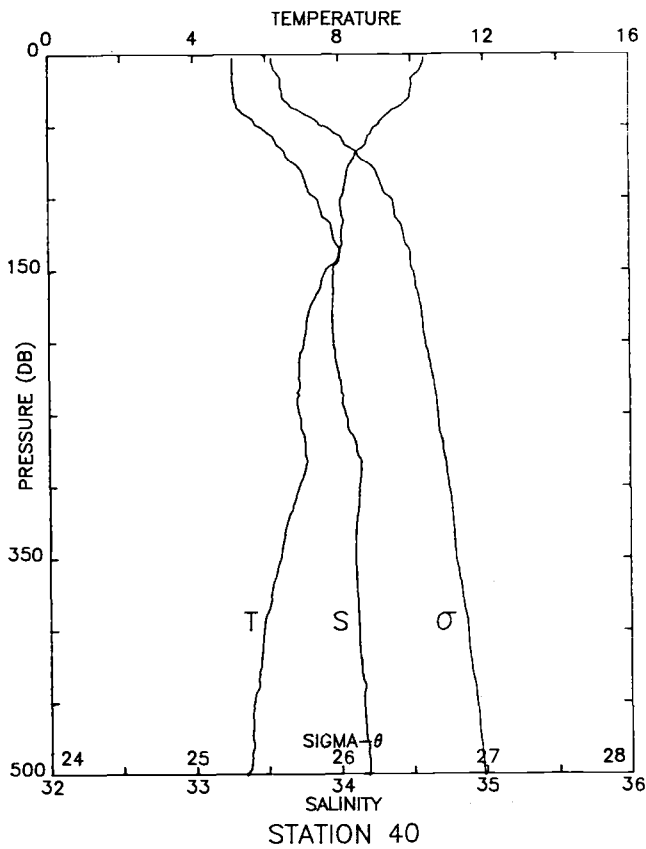
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	12.336	32.858	12.336	24.863	307.8	0.003	84.0	0.47
10	12.322	32.860	12.321	24.867	307.7	0.031	87.9	0.75
20	12.286	32.873	12.283	24.885	306.2	0.062	87.9	0.73
30	12.196	32.910	12.192	24.931	302.1	0.092	88.1	0.69
40	12.101	32.945	12.096	24.976	298.1	0.122	88.1	0.78
50	12.034	32.964	12.028	25.004	295.6	0.152	87.9	1.00
60	12.073	32.990	12.065	25.016	294.7	0.181	87.8	1.23
70	11.936	33.004	11.928	25.053	291.4	0.210	87.9	1.06
80	11.909	33.022	11.899	25.073	289.8	0.240	88.1	1.10
90	10.113	33.007	10.102	25.379	260.6	0.267	90.6	0.25
100	9.468	33.212	9.457	25.646	235.3	0.292	90.8	0.16
110	8.987	33.366	8.976	25.843	216.7	0.315	90.8	0.14
120	8.849	33.511	8.837	25.978	204.0	0.336	90.8	0.14
130	8.630	33.617	8.617	26.096	193.1	0.355	90.8	0.13
140	8.454	33.719	8.440	26.202	183.1	0.374	90.7	0.14
150	8.246	33.762	8.231	26.267	177.0	0.392	90.7	0.13
175	7.755	33.843	7.738	26.404	164.4	0.435	90.8	0.12
200	7.402	33.920	7.383	26.515	154.2	0.475	90.9	0.13
225	7.120	33.939	7.099	26.570	149.2	0.513	90.9	0.13
250	6.889	33.954	6.866	26.613	145.4	0.549	91.0	0.13
300	6.321	33.974	6.294	26.704	137.1	0.620	91.1	0.12
400	5.834	34.093	5.800	26.861	123.3	0.750	91.1	0.13
500	5.491	34.197	5.450	26.986	112.5	0.867	91.3	0.14
501	5.489	34.196	5.447	26.986	112.5	0.869	91.3	0.14

LIN INT SAL 265-271 DB



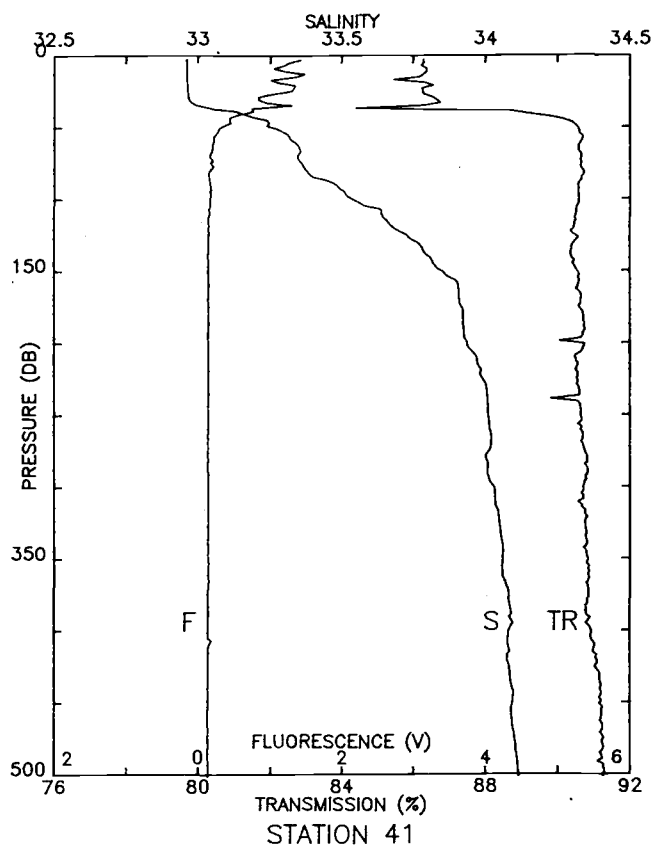
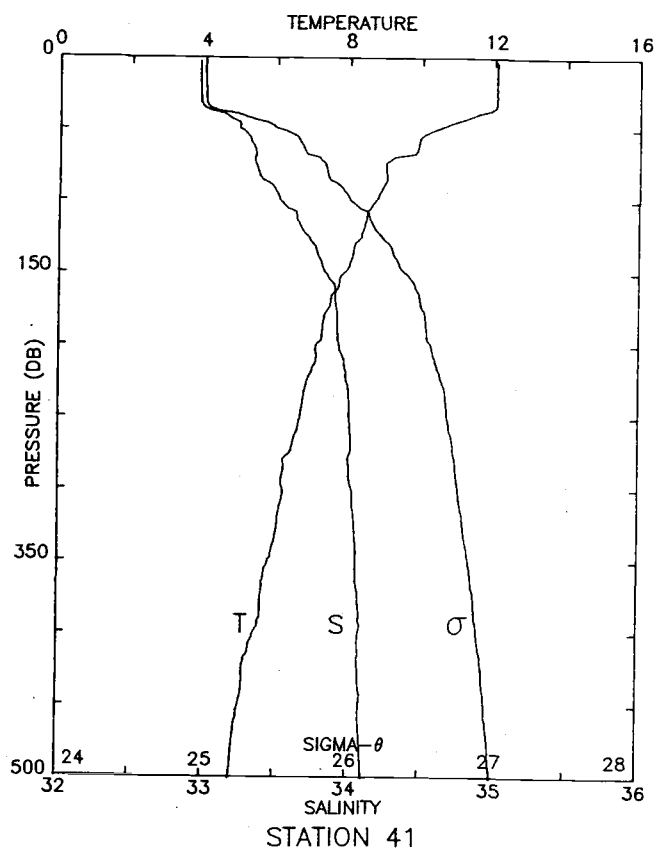
STA NO 39 LAT: 39 11.8 N LONG: 124 7.5 W
 12 JUN 1987 1921 GMT PROBE 2561 DEPTH 890M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	11.613	32.861	11.613	25.001	294.7	0.003	87.4	0.38
10	11.597	32.861	11.596	25.004	294.6	0.029	87.5	0.47
20	11.557	32.865	11.555	25.014	293.9	0.059	87.5	0.65
30	11.226	32.905	11.222	25.105	285.5	0.088	87.2	0.86
40	10.602	32.947	10.598	25.247	272.1	0.116	89.8	0.44
50	9.734	33.125	9.729	25.533	245.1	0.142	90.5	0.21
60	9.279	33.305	9.273	25.748	224.8	0.165	90.6	0.19
70	8.793	33.508	8.786	25.984	202.6	0.187	90.7	0.14
80	8.605	33.591	8.597	26.078	193.8	0.206	90.8	0.14
90	8.429	33.688	8.420	26.181	184.2	0.225	90.7	0.14
100	8.302	33.784	8.292	26.276	175.3	0.243	90.8	0.14
110	8.483	33.888	8.471	26.330	170.4	0.261	90.7	0.13
120	8.445	33.918	8.433	26.359	167.8	0.277	90.6	0.13
130	8.317	33.924	8.303	26.384	165.7	0.294	90.7	0.13
140	7.985	33.905	7.971	26.419	162.4	0.311	90.8	0.12
150	7.760	33.903	7.746	26.449	159.6	0.327	90.8	0.12
175	7.618	33.964	7.602	26.518	153.5	0.366	90.7	0.14
200	7.837	34.041	7.817	26.548	151.2	0.404	90.6	0.14
225	7.640	34.080	7.618	26.608	145.9	0.441	90.8	0.15
250	7.667	34.126	7.642	26.640	143.3	0.477	90.7	0.14
300	7.204	34.117	7.175	26.699	138.3	0.547	90.9	0.14
400	6.455	34.179	6.420	26.850	125.0	0.678	90.8	0.15
500	5.386	34.166	5.345	26.974	113.5	0.798	91.0	0.14
501	5.372	34.164	5.331	26.974	113.4	0.799	91.0	0.14



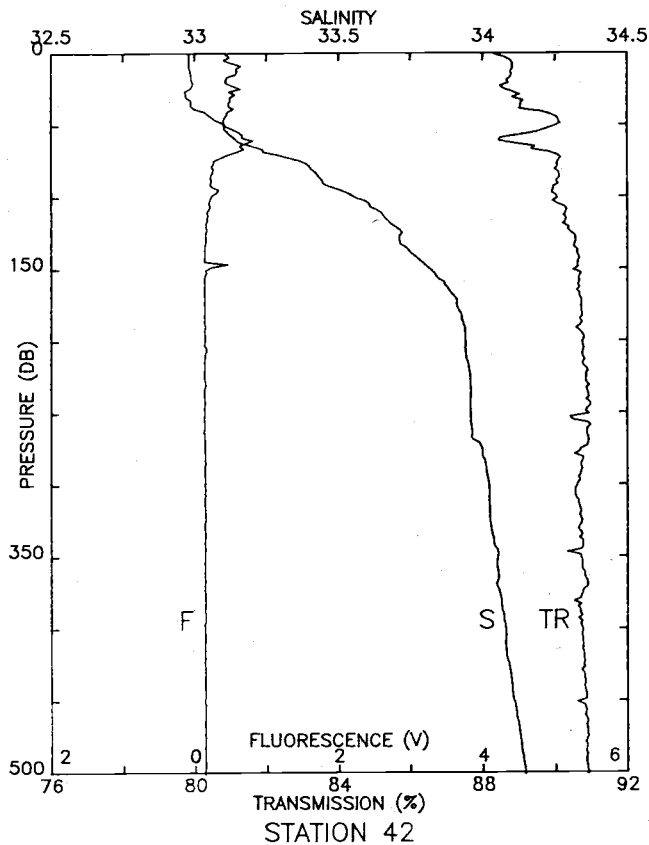
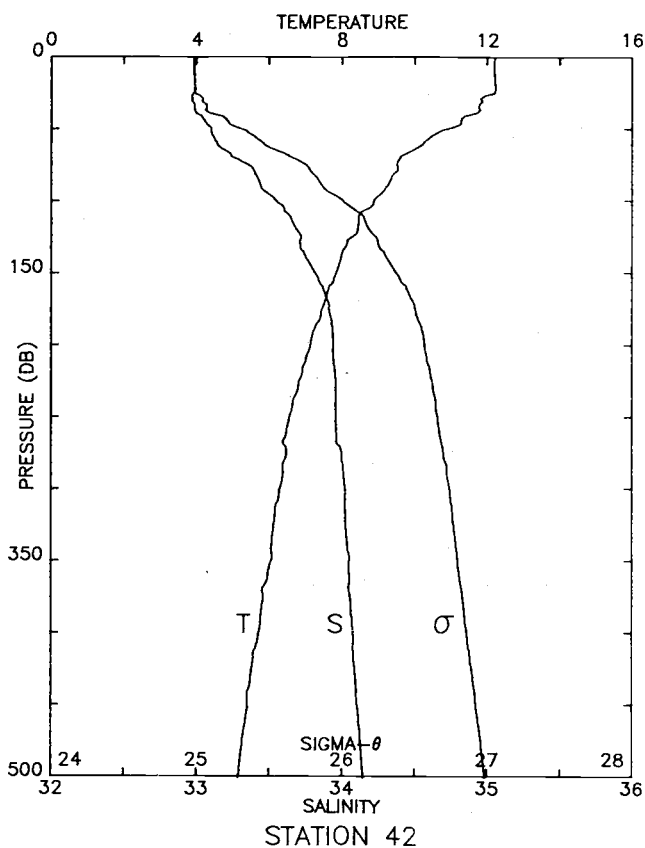
STA NO 40 LAT: 39 36.7 N LONG: 124 4.9 W
13 JUN 1987 0025 GMT PROBE 2561 DEPTH 847M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	10.373	33.275	10.373	25.543	243.2	0.007	87.1	0.47
10	10.281	33.272	10.280	25.556	242.1	0.024	87.0	0.61
20	10.028	33.277	10.025	25.603	237.8	0.048	87.1	0.65
30	9.971	33.288	9.968	25.621	236.4	0.072	88.0	0.63
40	9.436	33.335	9.432	25.746	224.6	0.095	89.7	0.44
50	9.044	33.454	9.038	25.902	210.0	0.117	90.1	0.24
60	8.777	33.569	8.771	26.034	197.6	0.137	90.4	0.15
70	8.466	33.640	8.459	26.137	188.0	0.156	90.5	0.13
80	8.238	33.739	8.230	26.250	177.4	0.175	90.5	0.13
90	8.165	33.778	8.156	26.291	173.7	0.192	90.5	0.14
100	8.060	33.849	8.050	26.363	167.0	0.209	90.5	0.13
110	8.073	33.883	8.062	26.388	164.9	0.226	90.6	0.14
120	8.091	33.950	8.079	26.438	160.3	0.242	90.6	0.13
130	8.085	33.974	8.072	26.458	158.6	0.258	90.6	0.13
140	7.988	34.007	7.974	26.498	154.9	0.274	90.7	0.13
150	7.639	33.961	7.624	26.513	153.6	0.289	90.7	0.13
175	7.201	33.953	7.185	26.568	148.6	0.327	90.8	0.17
200	7.022	33.962	7.003	26.600	145.9	0.364	90.8	0.13
225	6.881	34.002	6.861	26.652	141.3	0.400	90.9	0.14
250	6.884	34.040	6.861	26.682	138.9	0.435	90.8	0.14
300	6.887	34.135	6.859	26.757	132.6	0.502	90.9	0.14
400	5.879	34.124	5.845	26.880	121.6	0.630	90.7	0.14
500	5.404	34.187	5.363	26.989	112.1	0.747	90.9	0.14
501	5.390	34.188	5.349	26.991	111.9	0.748	90.9	0.14



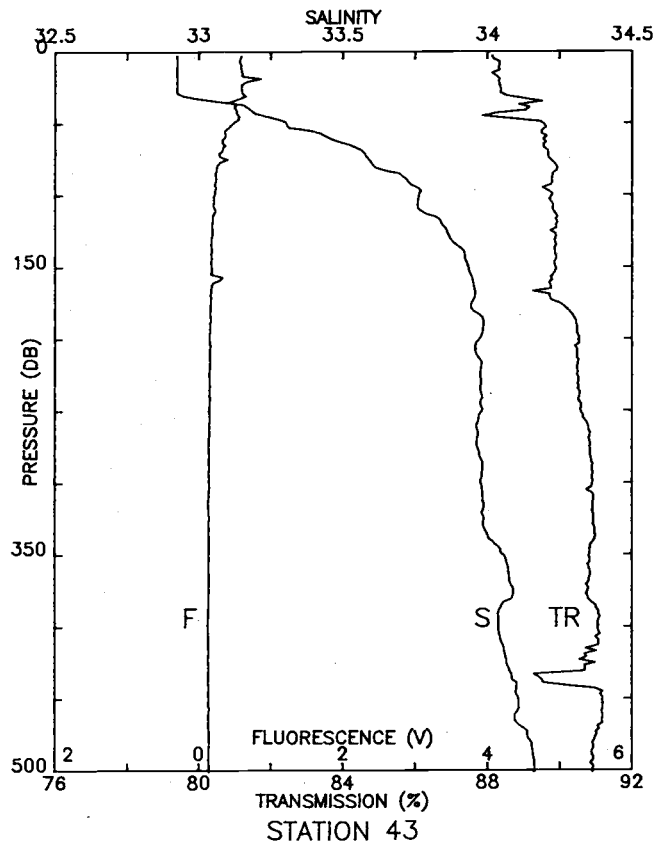
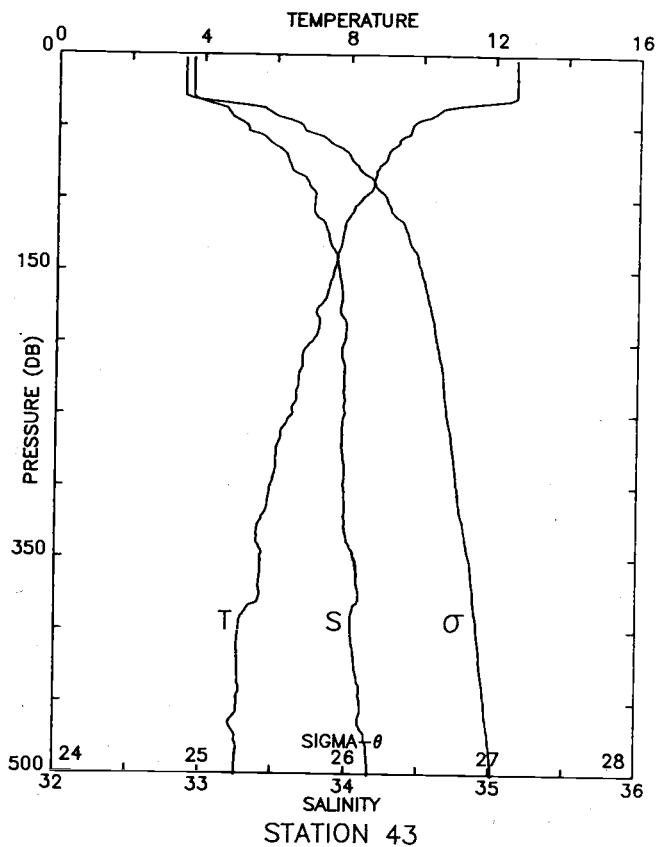
STA NO 41 LAT: 39 29.7 N LONG: 124 22.6 W
 13 JUN 1987 0232 GMT PROBE 2561 DEPTH 2229M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
3	12.047	32.961	12.047	24.998	295.1	0.009	86.3	1.42
10	12.046	32.961	12.044	24.998	295.2	0.030	86.4	1.12
20	12.039	32.962	12.036	25.001	295.2	0.059	86.4	1.22
30	12.036	32.967	12.033	25.005	295.1	0.089	86.6	0.83
40	11.453	33.145	11.449	25.251	271.9	0.117	88.9	0.68
50	10.371	33.253	10.365	25.527	245.8	0.143	90.5	0.32
60	9.881	33.330	9.874	25.669	232.4	0.167	90.6	0.21
70	9.168	33.344	9.160	25.797	220.4	0.190	90.6	0.16
80	8.997	33.375	8.989	25.848	215.7	0.211	90.7	0.17
90	8.895	33.477	8.886	25.944	206.7	0.233	90.6	0.17
100	8.707	33.534	8.696	26.018	199.8	0.253	90.6	0.17
110	8.478	33.642	8.466	26.137	188.7	0.272	90.5	0.16
120	8.383	33.681	8.370	26.183	184.5	0.291	90.4	0.15
130	8.160	33.759	8.147	26.278	175.7	0.309	90.5	0.15
140	8.067	33.803	8.053	26.326	171.2	0.326	90.4	0.14
150	7.855	33.846	7.840	26.391	165.2	0.343	90.5	0.14
175	7.426	33.916	7.409	26.508	154.4	0.383	90.6	0.15
200	7.109	33.936	7.090	26.569	148.9	0.421	90.4	0.15
225	6.847	33.989	6.827	26.646	141.8	0.457	90.5	0.15
250	6.676	34.009	6.653	26.685	138.4	0.492	90.6	0.15
300	6.204	34.028	6.178	26.762	131.6	0.559	90.7	0.14
400	5.429	34.081	5.397	26.900	119.2	0.685	90.9	0.14
500	4.789	34.116	4.750	27.002	110.1	0.799	91.3	0.14
501	4.785	34.116	4.747	27.004	110.0	0.800	91.3	0.14



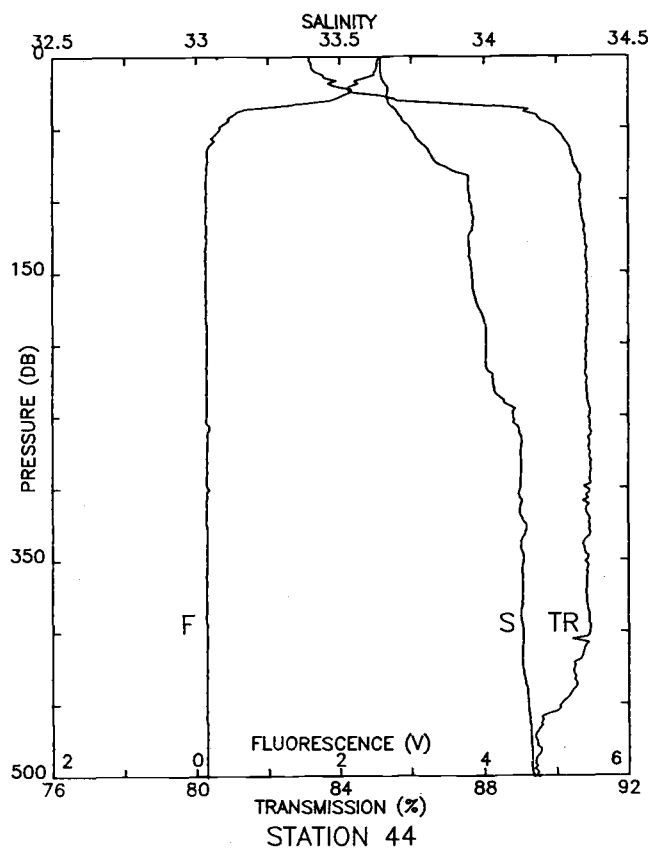
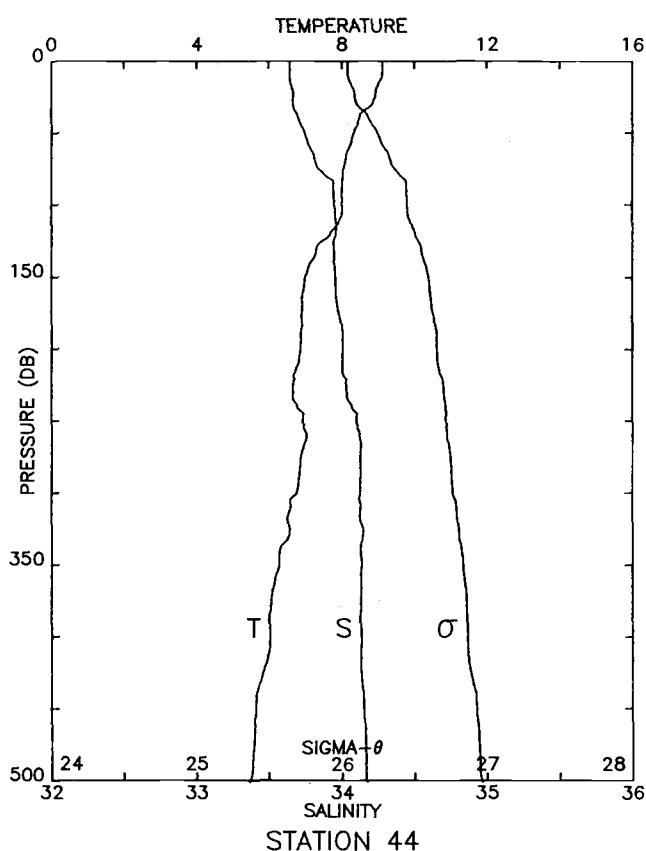
STA NO 42 LAT: 39 22.9 N LONG: 124 39.0 W
13 JUN 1987 0420 GMT PROBE 2561 DEPTH 2967M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
1	12.199	32.980	12.199	24.984	296.3	0.003	88.3	0.44
10	12.194	32.980	12.193	24.985	296.5	0.030	88.8	0.61
20	12.232	32.991	12.229	24.986	296.6	0.059	88.7	0.43
30	11.839	32.968	11.835	25.043	291.4	0.089	88.9	0.53
40	11.547	33.017	11.542	25.134	282.9	0.118	89.3	0.50
50	10.914	33.102	10.908	25.315	266.0	0.145	90.1	0.42
60	10.242	33.143	10.235	25.463	252.0	0.171	88.5	0.74
70	9.591	33.266	9.584	25.667	232.7	0.195	89.9	0.52
80	9.477	33.403	9.468	25.793	221.0	0.218	90.0	0.25
90	9.215	33.446	9.206	25.869	213.9	0.239	90.1	0.23
100	8.868	33.555	8.857	26.009	200.7	0.260	90.0	0.23
110	8.460	33.642	8.449	26.141	188.4	0.280	90.3	0.18
120	8.417	33.693	8.405	26.187	184.1	0.298	90.3	0.16
130	8.117	33.714	8.104	26.249	178.4	0.316	90.6	0.16
140	7.953	33.761	7.939	26.310	172.7	0.334	90.6	0.14
150	7.830	33.819	7.815	26.373	166.8	0.351	90.6	0.19
175	7.442	33.911	7.425	26.502	154.9	0.391	90.7	0.13
200	7.125	33.940	7.107	26.569	148.9	0.429	90.8	0.14
225	6.822	33.957	6.801	26.624	143.9	0.465	90.9	0.13
250	6.560	33.958	6.538	26.660	140.7	0.501	90.9	0.14
300	6.299	34.021	6.273	26.745	133.3	0.570	90.6	0.14
400	5.717	34.077	5.684	26.863	123.0	0.698	90.8	0.14
500	5.149	34.146	5.109	26.985	112.1	0.815	90.9	0.14
501	5.143	34.146	5.103	26.986	112.0	0.817	90.9	0.14



STA NO 43 LAT: 39 42.1 N LONG: 124 51.1 W
 13 JUN 1987 0737 GMT PROBE 2561 DEPTH 1863M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	12.574	32.924	12.573	24.868	307.4	0.009	88.1	0.59
10	12.577	32.924	12.576	24.868	307.6	0.031	88.3	0.58
20	12.578	32.924	12.575	24.868	307.8	0.062	88.3	0.77
30	12.485	32.934	12.482	24.894	305.6	0.092	88.4	0.63
40	10.411	33.177	10.406	25.460	251.9	0.120	89.1	0.51
50	9.696	33.303	9.691	25.679	231.2	0.144	89.5	0.47
60	9.345	33.451	9.339	25.851	215.0	0.166	89.6	0.35
70	9.025	33.572	9.017	25.997	201.3	0.187	89.7	0.30
80	8.743	33.609	8.735	26.070	194.5	0.207	89.9	0.25
90	8.649	33.724	8.639	26.176	184.7	0.226	89.8	0.23
100	8.329	33.764	8.319	26.256	177.2	0.244	89.8	0.21
110	8.062	33.764	8.051	26.296	173.5	0.261	89.8	0.23
120	7.872	33.842	7.860	26.385	165.2	0.278	89.9	0.18
130	7.798	33.871	7.785	26.419	162.2	0.294	89.9	0.17
140	7.672	33.920	7.659	26.476	156.9	0.310	89.9	0.18
150	7.580	33.934	7.566	26.500	154.7	0.326	89.9	0.18
175	7.177	33.945	7.160	26.566	148.8	0.364	90.0	0.17
200	6.985	33.973	6.967	26.614	144.5	0.401	90.5	0.15
225	6.660	33.974	6.640	26.660	140.5	0.436	90.5	0.15
250	6.502	33.981	6.480	26.686	138.3	0.471	90.6	0.15
300	5.912	33.975	5.886	26.757	131.8	0.538	90.9	0.14
400	5.081	34.036	5.050	26.906	118.4	0.663	91.1	0.13
500	5.016	34.164	4.977	27.015	109.2	0.776	90.9	0.14
501	5.016	34.164	4.976	27.015	109.2	0.777	90.9	0.14

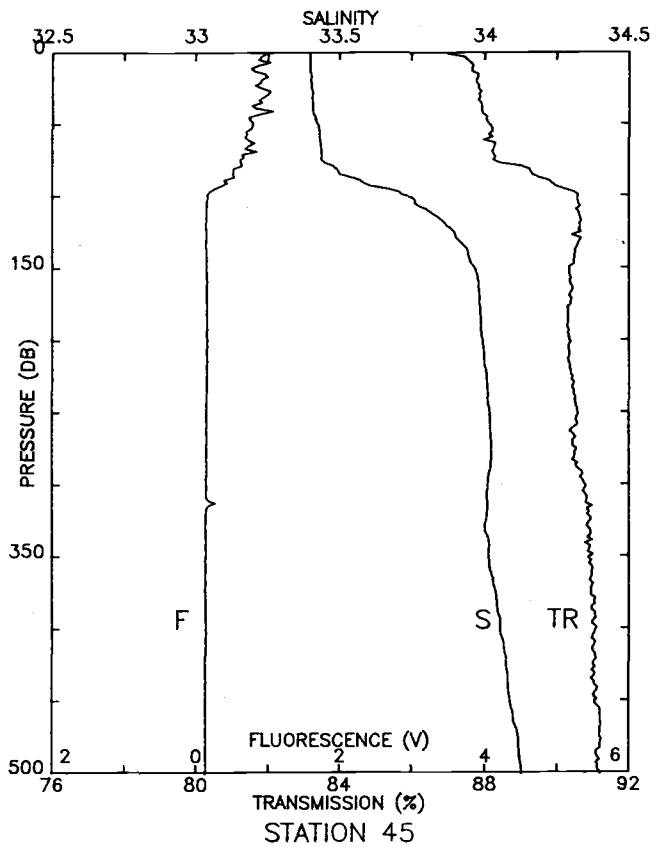
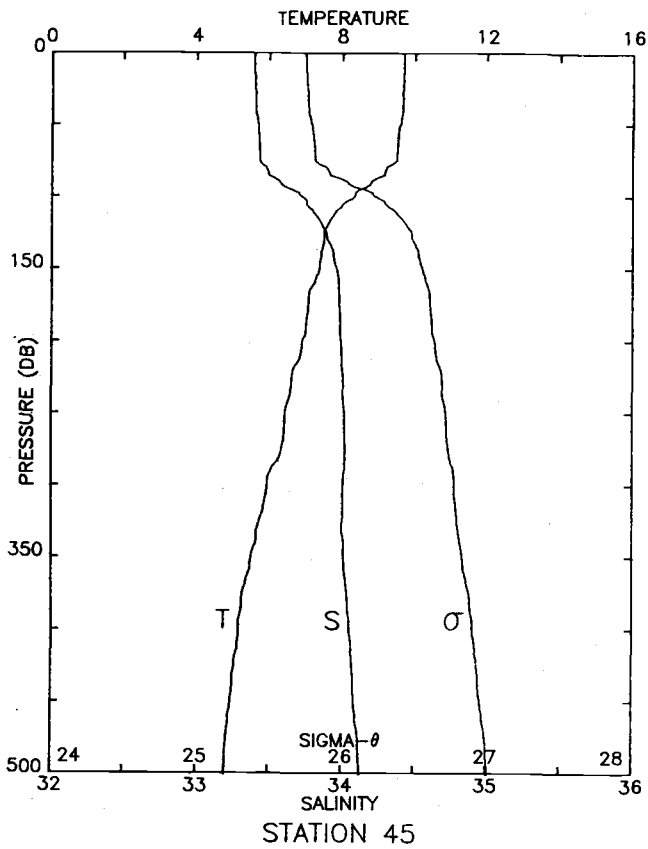


STATION 44

STATION 44

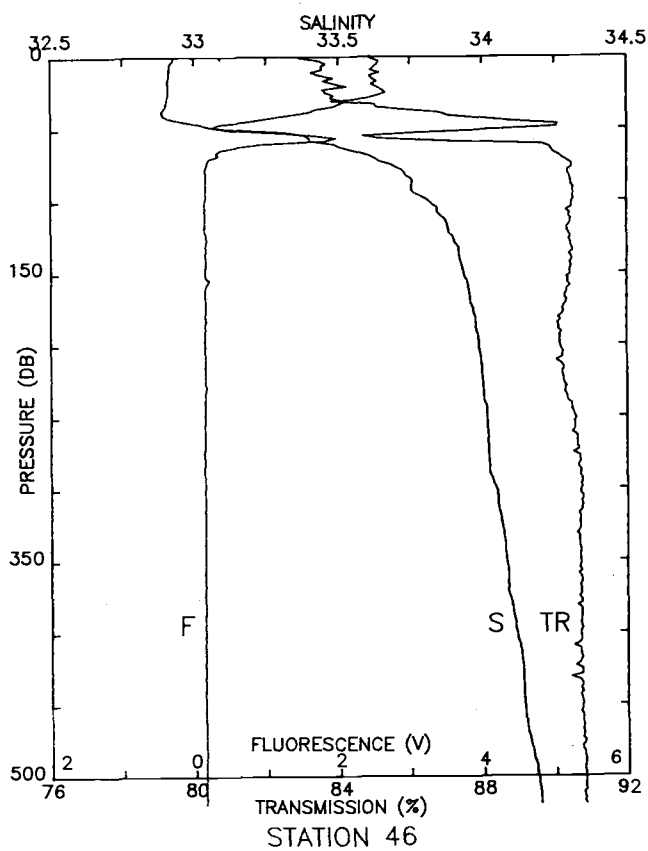
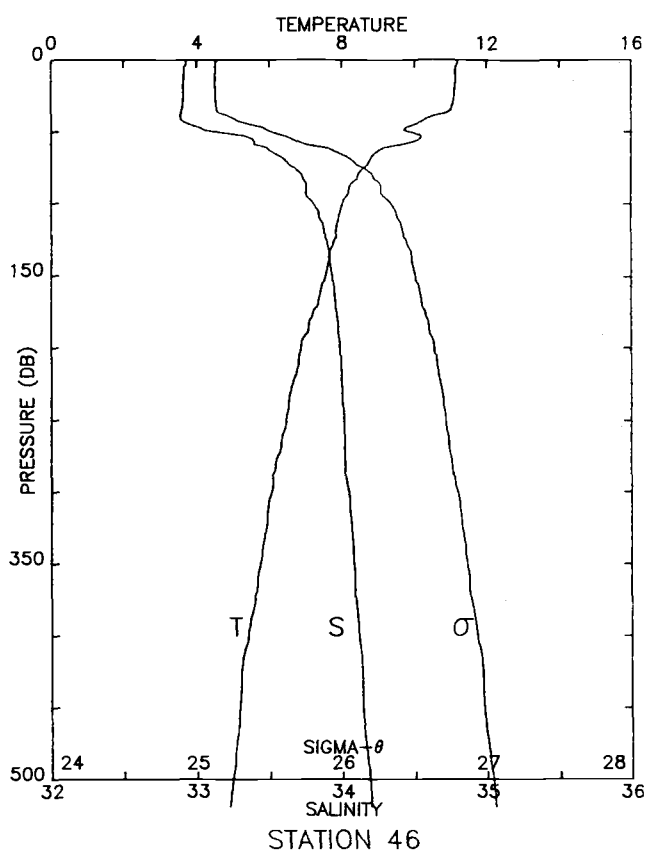
STA NO 44 LAT: 40 0.0 N LONG: 124 17.4 W
 13 JUN 1987 1204 GMT PROBE 2561 DEPTH 917M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	9.106	33.644	9.106	26.040	195.9	0.002	85.1	1.57
10	9.093	33.644	9.092	26.042	195.9	0.020	85.0	1.63
20	8.932	33.665	8.930	26.084	192.1	0.039	84.4	1.89
30	8.832	33.669	8.828	26.103	190.5	0.058	85.6	1.91
40	8.479	33.707	8.475	26.187	182.6	0.077	89.3	0.54
50	8.317	33.747	8.312	26.243	177.5	0.095	90.0	0.32
60	8.197	33.782	8.191	26.290	173.3	0.112	90.3	0.22
70	8.085	33.822	8.078	26.337	168.9	0.129	90.4	0.15
80	8.022	33.896	8.014	26.405	162.7	0.146	90.6	0.14
90	8.001	33.945	7.992	26.447	158.9	0.162	90.6	0.13
100	8.001	33.950	7.991	26.451	158.7	0.178	90.7	0.13
110	7.949	33.960	7.938	26.467	157.3	0.194	90.7	0.13
120	7.670	33.958	7.658	26.505	153.8	0.209	90.8	0.13
130	7.300	33.946	7.288	26.549	149.7	0.224	90.8	0.13
140	7.131	33.948	7.118	26.574	147.4	0.239	90.8	0.12
150	6.992	33.957	6.979	26.601	145.0	0.254	90.8	0.13
175	6.908	33.982	6.892	26.632	142.5	0.290	90.9	0.13
200	6.862	34.006	6.844	26.657	140.4	0.325	90.8	0.14
225	6.665	34.031	6.645	26.704	136.3	0.360	90.8	0.14
250	6.945	34.101	6.921	26.722	135.2	0.394	90.9	0.14
300	6.766	34.126	6.739	26.766	131.6	0.460	90.8	0.17
400	6.035	34.134	6.000	26.869	122.8	0.586	90.9	0.14
500	5.482	34.171	5.440	26.966	114.3	0.704	89.5	0.14
501	5.467	34.174	5.425	26.971	113.9	0.705	89.5	0.15



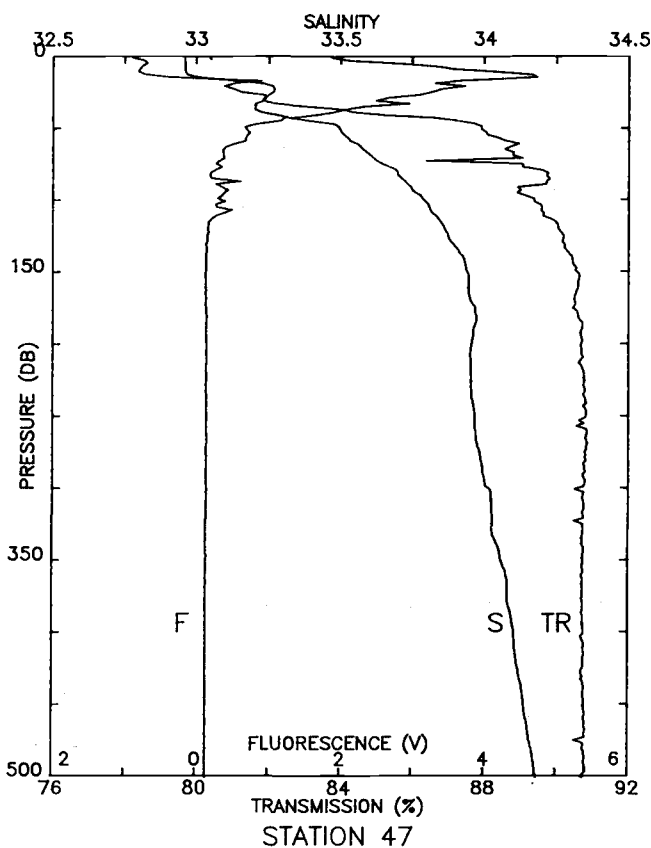
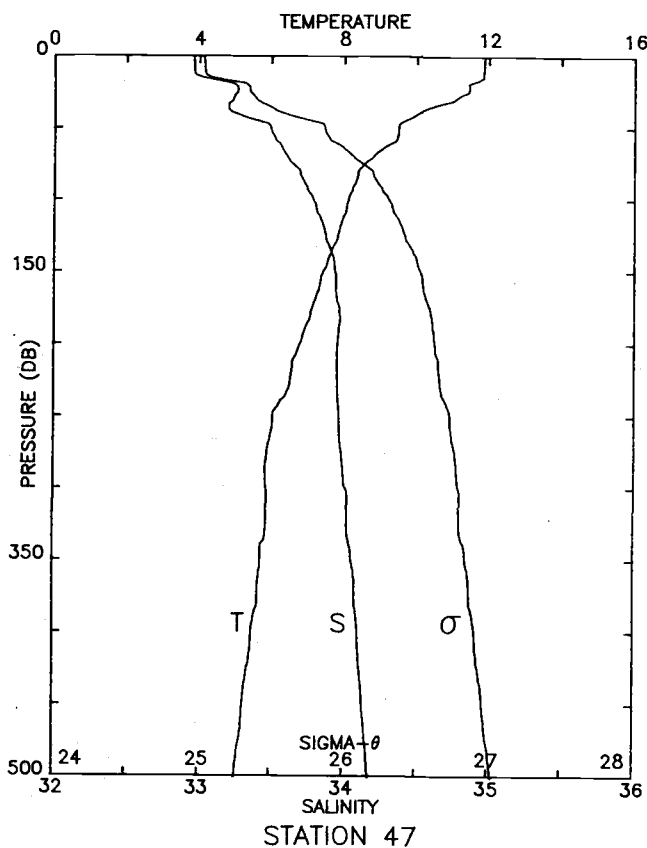
STA NO 45 LAT: 39 59.9 N LONG: 124 41.3 W
 13 JUN 1987 1413 GMT PROBE 2561 DEPTH 1060M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		THETA					
1	9.701	33.395	9.701	25.749	223.6	0.002	87.0	0.97
10	9.699	33.396	9.697	25.750	223.6	0.022	87.7	0.81
20	9.680	33.400	9.678	25.757	223.2	0.045	87.8	0.90
30	9.661	33.404	9.657	25.763	222.8	0.067	87.9	0.97
40	9.650	33.407	9.646	25.767	222.6	0.089	87.9	0.95
50	9.581	33.423	9.576	25.791	220.6	0.111	88.1	0.78
60	9.534	33.432	9.527	25.807	219.3	0.133	88.1	0.70
70	9.506	33.438	9.498	25.816	218.6	0.155	88.2	0.74
80	9.213	33.483	9.204	25.899	210.9	0.177	89.1	0.57
90	8.781	33.577	8.772	26.040	197.6	0.198	89.8	0.41
100	8.318	33.734	8.308	26.234	179.3	0.216	90.6	0.16
110	7.830	33.805	7.820	26.362	167.2	0.234	90.6	0.14
120	7.590	33.867	7.578	26.446	159.4	0.250	90.6	0.14
130	7.501	33.906	7.488	26.489	155.4	0.266	90.6	0.15
140	7.430	33.943	7.416	26.529	151.8	0.281	90.5	0.15
150	7.377	33.967	7.362	26.555	149.5	0.296	90.3	0.15
175	7.082	33.981	7.066	26.607	144.8	0.333	90.4	0.15
200	6.916	33.993	6.898	26.640	142.1	0.369	90.4	0.16
225	6.624	34.007	6.604	26.690	137.6	0.404	90.4	0.15
250	6.460	34.019	6.438	26.722	134.9	0.438	90.6	0.15
300	5.961	34.011	5.935	26.779	129.8	0.504	90.8	0.14
400	5.181	34.055	5.149	26.909	118.2	0.629	91.1	0.14
500	4.796	34.128	4.757	27.012	109.2	0.742	91.2	0.13
501	4.795	34.128	4.756	27.012	109.2	0.743	91.2	0.13



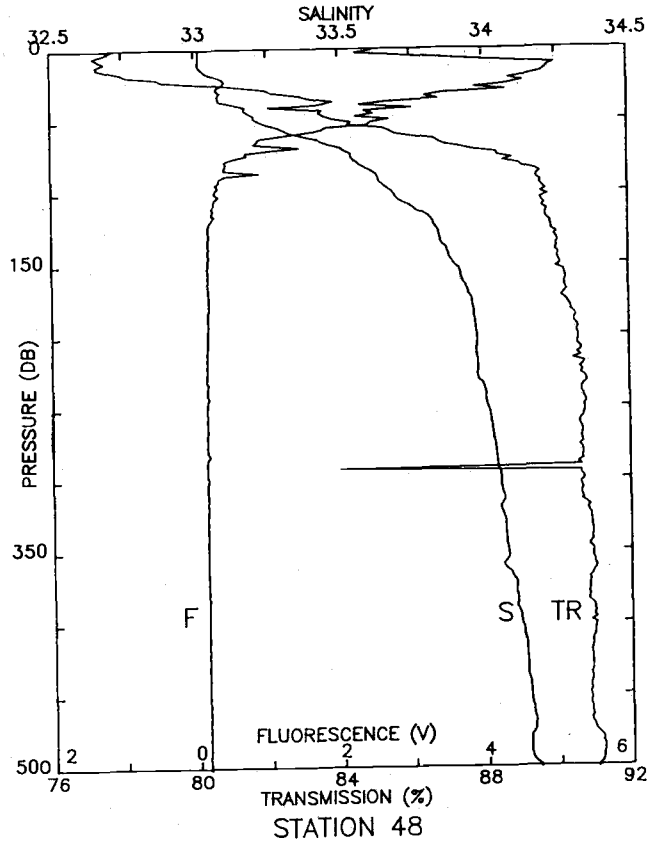
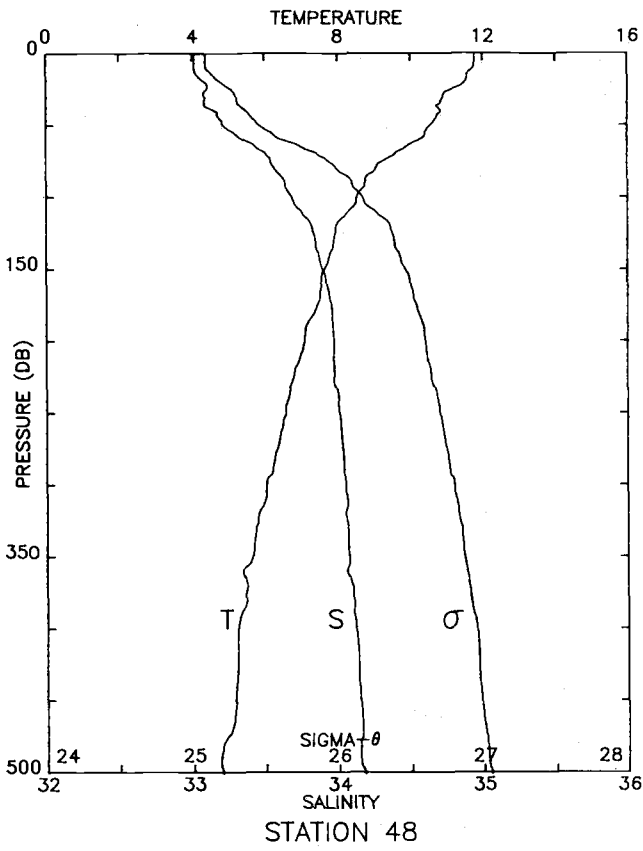
STA NO 46 LAT: 40 0.0 N LONG: 125 5.1 W
13 JUN 1987 1623 GMT PROBE 2561 DEPTH 1545M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	11.185	32.928	11.185	25.130	282.4	0.003	84.9	1.45
10	11.140	32.913	11.138	25.127	283.0	0.028	85.0	1.70
20	11.116	32.909	11.114	25.128	283.1	0.057	85.0	2.03
30	11.074	32.906	11.070	25.133	282.8	0.085	84.3	2.00
40	10.418	32.888	10.414	25.233	273.4	0.113	87.0	1.45
50	9.855	33.120	9.850	25.509	247.3	0.139	89.1	0.37
60	9.389	33.440	9.382	25.836	216.5	0.162	88.4	1.36
70	8.759	33.620	8.752	26.077	193.7	0.183	90.2	0.27
80	8.438	33.728	8.430	26.211	181.1	0.201	90.4	0.15
90	8.195	33.758	8.186	26.271	175.6	0.219	90.5	0.16
100	8.019	33.813	8.009	26.340	169.1	0.236	90.5	0.14
110	7.907	33.852	7.896	26.388	164.8	0.253	90.4	0.15
120	7.839	33.884	7.827	26.423	161.6	0.269	90.3	0.14
130	7.710	33.907	7.697	26.460	158.3	0.285	90.4	0.15
140	7.628	33.920	7.615	26.482	156.3	0.301	90.5	0.15
150	7.536	33.934	7.522	26.506	154.1	0.317	90.4	0.15
175	7.208	33.967	7.192	26.579	147.6	0.354	90.2	0.16
200	6.877	33.988	6.859	26.641	142.0	0.390	90.1	0.15
225	6.634	33.999	6.614	26.683	138.3	0.426	90.2	0.15
250	6.462	34.015	6.440	26.718	135.2	0.460	90.6	0.14
300	6.043	34.045	6.017	26.796	128.2	0.526	90.7	0.14
400	5.393	34.116	5.360	26.932	116.2	0.648	90.7	0.14
500	4.966	34.188	4.926	27.040	106.8	0.759	90.8	0.14
519	4.879	34.198	4.838	27.058	105.2	0.780	90.8	0.14



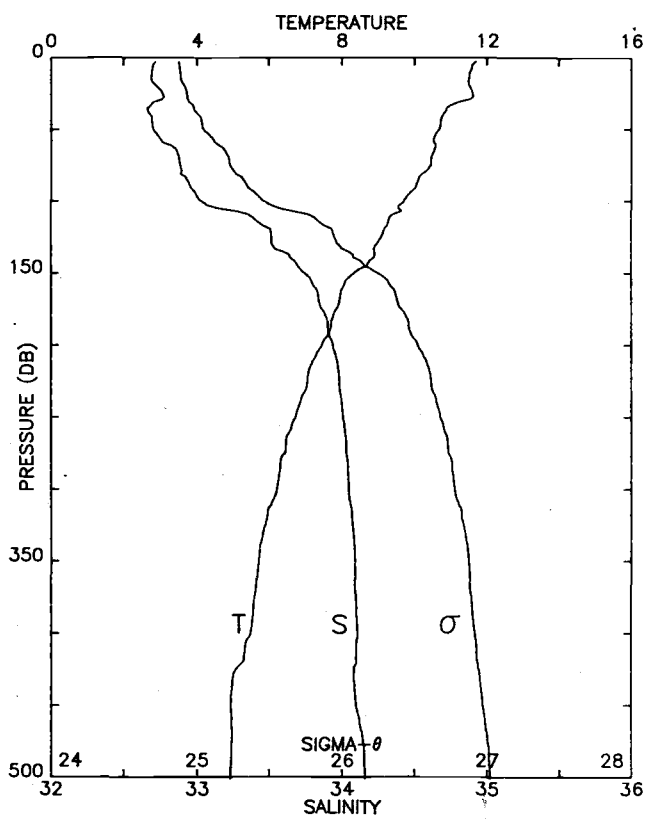
STA NO 47 LAT: 40 0.1 N LONG: 125 30.2 W
 13 JUN 1987 1845 GMT PROBE 2561 DEPTH 2953M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	11.866	32.960	11.866	25.030	291.9	0.003	78.2	1.87
10	11.841	32.962	11.840	25.037	291.5	0.029	78.4	3.89
20	11.431	33.245	11.429	25.332	263.6	0.057	80.9	3.53
30	11.033	33.235	11.029	25.397	257.7	0.083	81.8	2.57
40	10.006	33.251	10.002	25.586	239.8	0.108	84.8	1.77
50	9.481	33.496	9.476	25.865	213.6	0.131	87.9	0.68
60	9.316	33.546	9.310	25.931	207.5	0.152	88.8	0.60
70	8.773	33.611	8.766	26.067	194.6	0.172	88.9	0.38
80	8.377	33.698	8.369	26.196	182.5	0.191	89.7	0.24
90	8.251	33.741	8.242	26.249	177.7	0.209	89.3	0.31
100	8.105	33.791	8.095	26.310	172.0	0.226	89.4	0.35
110	8.004	33.825	7.994	26.352	168.2	0.243	89.6	0.34
120	7.868	33.863	7.856	26.402	163.6	0.260	90.1	0.17
130	7.752	33.890	7.739	26.440	160.1	0.276	90.2	0.15
140	7.573	33.928	7.560	26.496	154.9	0.292	90.4	0.14
150	7.419	33.942	7.404	26.529	152.0	0.307	90.6	0.13
175	7.134	33.971	7.117	26.592	146.3	0.345	90.5	0.14
200	6.792	33.956	6.774	26.627	143.2	0.381	90.7	0.15
225	6.532	33.955	6.512	26.662	140.2	0.416	90.8	0.15
250	6.052	33.969	6.031	26.734	133.5	0.451	90.8	0.15
300	5.875	34.014	5.849	26.792	128.5	0.516	90.6	0.15
400	5.492	34.106	5.459	26.913	118.1	0.640	90.8	0.14
500	5.037	34.182	4.997	27.027	108.1	0.753	90.7	0.14
501	5.033	34.184	4.993	27.029	107.9	0.754	90.7	0.15

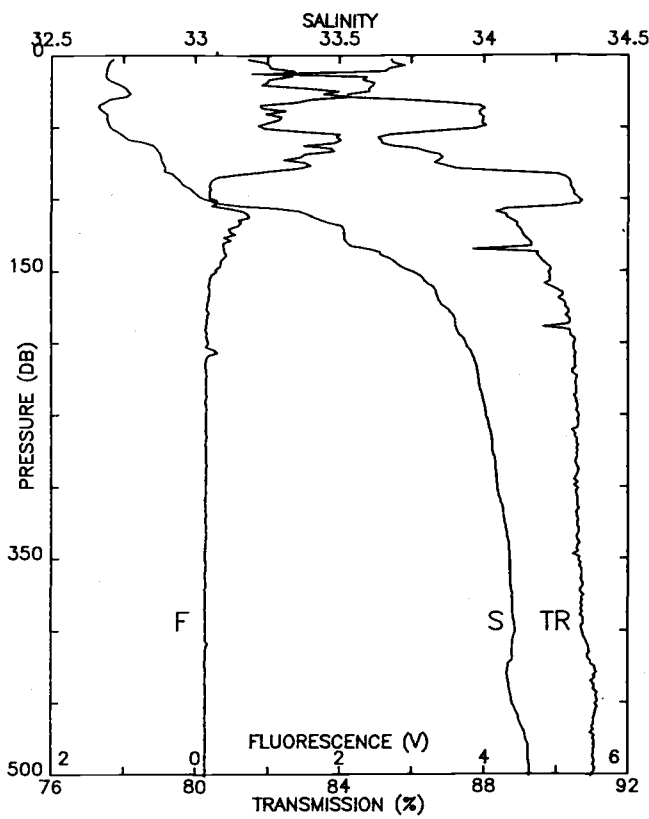


STA NO 48 LAT: 40 0.0 N LONG: 125 40.0 W
13 JUN 1987 2003 GMT PROBE 2561 DEPTH 3461M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	11.779	33.016	11.779	25.090	286.2	0.003	77.7	2.47
10	11.749	33.014	11.748	25.095	286.0	0.029	77.4	4.70
20	11.503	33.083	11.500	25.193	276.9	0.057	78.5	4.50
30	10.893	33.082	10.890	25.302	266.7	0.084	82.1	3.89
40	10.822	33.154	10.818	25.371	260.4	0.110	82.8	2.66
50	10.561	33.214	10.555	25.464	251.8	0.136	84.1	2.58
60	10.267	33.355	10.260	25.624	236.7	0.160	85.8	1.32
70	9.576	33.513	9.568	25.863	214.2	0.183	87.6	1.24
80	9.046	33.571	9.038	25.993	201.9	0.204	88.8	0.42
90	8.734	33.640	8.724	26.097	192.2	0.223	89.5	0.38
100	8.511	33.688	8.501	26.168	185.6	0.242	89.6	0.26
110	8.284	33.753	8.273	26.254	177.6	0.260	89.6	0.23
120	7.953	33.823	7.941	26.359	167.8	0.278	89.8	0.21
130	7.891	33.848	7.878	26.387	165.2	0.294	90.0	0.18
140	7.777	33.873	7.764	26.423	161.9	0.311	90.0	0.17
150	7.640	33.897	7.625	26.463	158.3	0.327	90.1	0.17
175	7.422	33.958	7.405	26.541	151.2	0.365	90.2	0.18
200	7.080	33.974	7.061	26.602	145.7	0.402	90.6	0.16
225	6.789	33.977	6.769	26.644	142.0	0.438	90.7	0.15
250	6.566	34.010	6.543	26.700	136.9	0.473	90.7	0.14
300	6.041	34.054	6.015	26.803	127.6	0.539	90.7	0.15
400	5.226	34.117	5.194	26.953	114.0	0.660	90.9	0.13
500	4.793	34.179	4.755	27.052	105.4	0.771	91.1	0.14
501	4.793	34.180	4.754	27.053	105.3	0.772	91.0	0.15



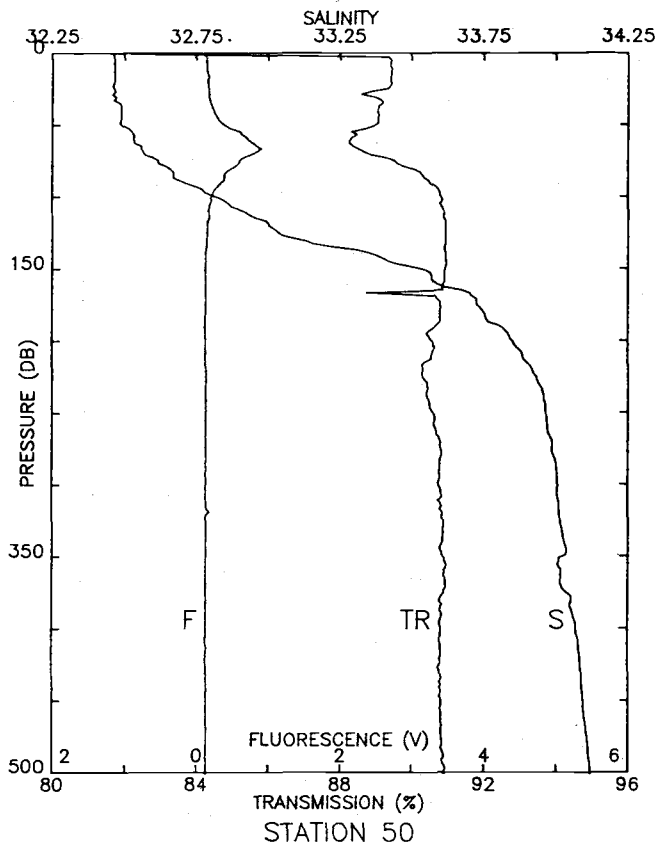
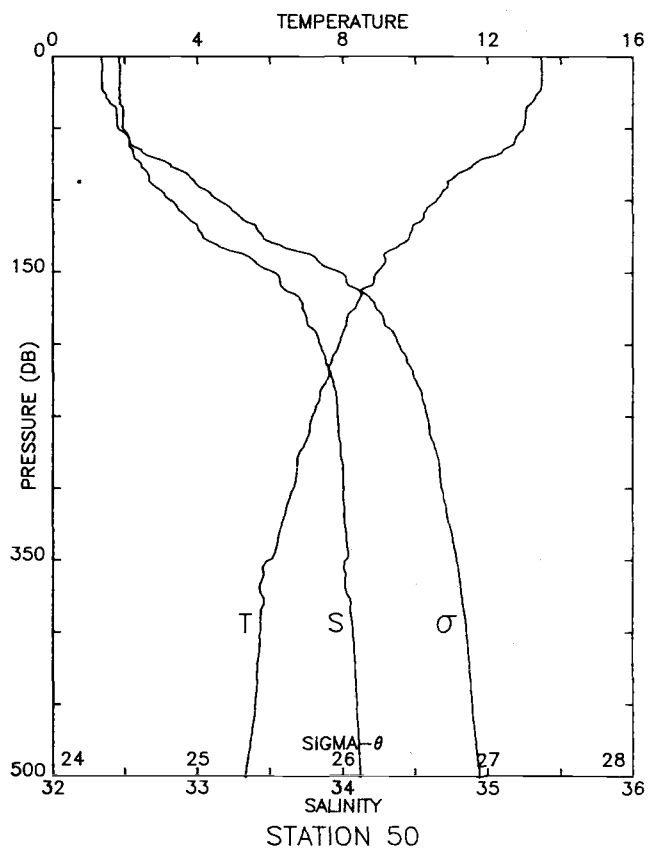
STATION 49



STATION 49

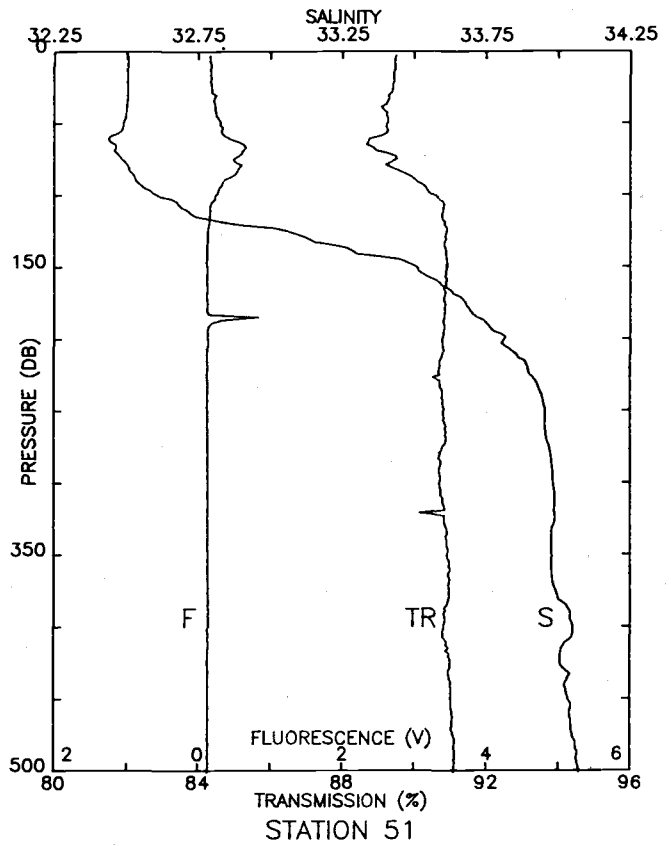
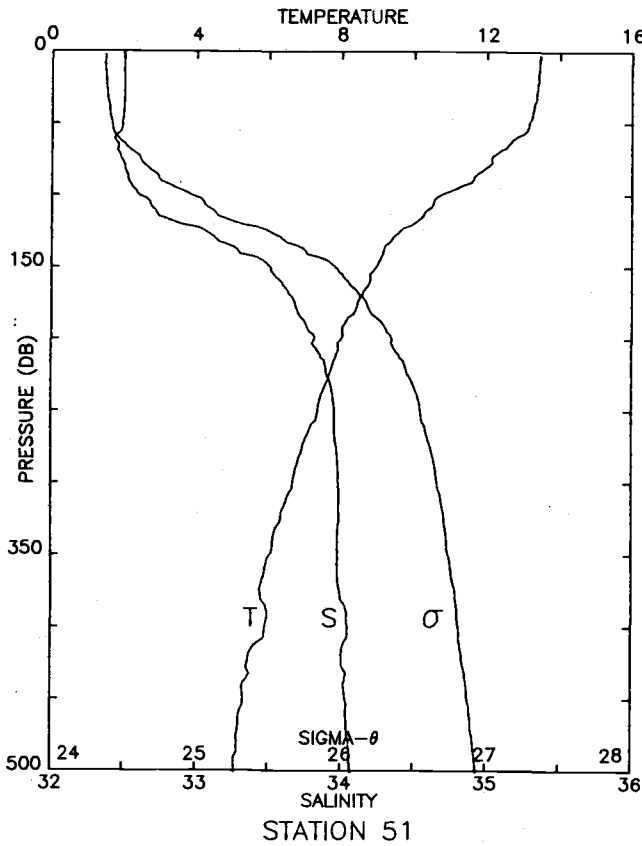
STA NO 49 LAT: 39 59.9 N LONG: 125 50.1 W
 13 JUN 1987 2122 GMT PROBE 2561 DEPTH 3663M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	11.675	32.713	11.675	24.874	306.9	0.009	85.4	0.74
10	11.517	32.691	11.516	24.886	305.9	0.031	85.3	1.20
20	11.505	32.727	11.503	24.916	303.2	0.061	85.0	0.95
30	11.375	32.729	11.371	24.942	301.0	0.091	85.1	1.88
40	10.775	32.684	10.770	25.013	294.4	0.121	87.9	1.11
50	10.662	32.703	10.656	25.048	291.3	0.150	87.9	0.90
60	10.544	32.794	10.537	25.139	282.8	0.179	85.2	1.98
70	10.442	32.879	10.434	25.223	275.0	0.207	86.8	1.47
80	10.257	32.893	10.248	25.266	271.2	0.234	87.8	1.20
90	10.021	32.955	10.011	25.354	262.9	0.261	90.4	0.19
100	9.683	33.031	9.672	25.469	252.2	0.287	90.7	0.24
110	9.370	33.373	9.358	25.788	222.1	0.311	88.5	0.69
120	9.154	33.513	9.142	25.931	208.6	0.332	89.0	0.52
130	8.940	33.525	8.926	25.975	204.6	0.353	89.3	0.44
140	8.822	33.660	8.807	26.099	192.9	0.373	89.5	0.41
150	8.308	33.748	8.292	26.248	178.9	0.391	89.8	0.28
175	7.825	33.865	7.808	26.411	163.7	0.434	90.3	0.16
200	7.442	33.937	7.423	26.523	153.4	0.473	90.5	0.17
225	7.048	33.981	7.027	26.613	145.1	0.510	90.6	0.15
250	6.724	34.007	6.701	26.677	139.2	0.546	90.6	0.15
300	6.210	34.047	6.184	26.776	130.3	0.613	90.6	0.14
400	5.482	34.109	5.449	26.916	117.8	0.735	90.7	0.14
500	4.924	34.157	4.885	27.020	108.6	0.848	91.0	0.13
501	4.924	34.157	4.885	27.020	108.6	0.849	91.0	0.13



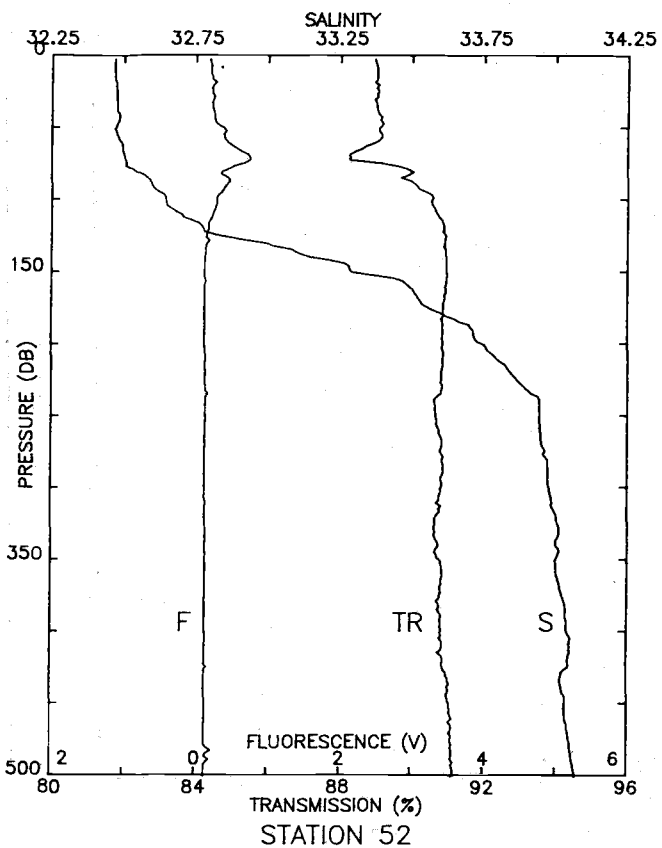
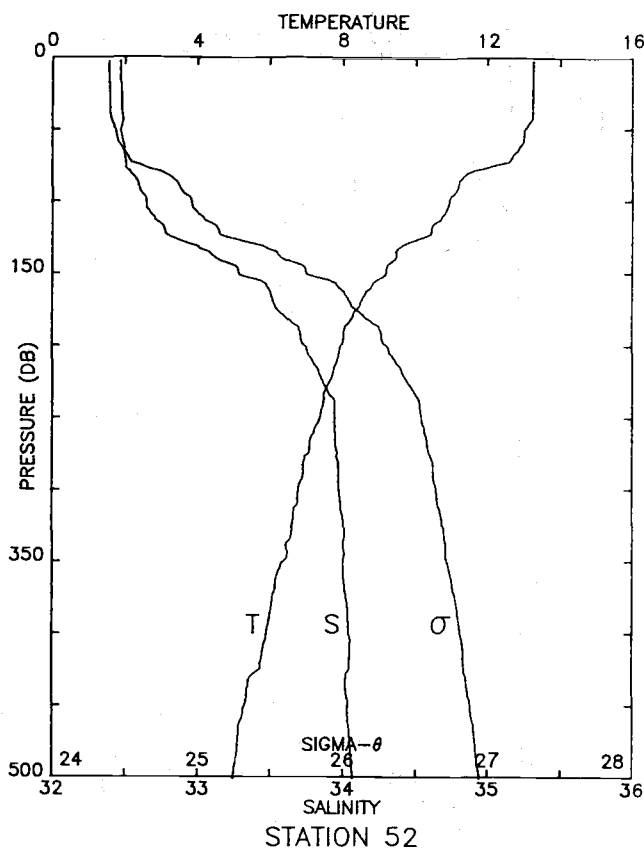
STA NO 50 LAT: 39 59.9 N LONG: 126 0.2 W
 13 JUN 1987 2243 GMT PROBE 2561 DEPTH 3769M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	13.455	32.463	13.455	24.339	357.8	0.004	82.2	0.14
10	13.469	32.464	13.468	24.337	358.2	0.036	89.4	0.15
20	13.457	32.463	13.454	24.339	358.3	0.072	89.4	0.16
30	13.258	32.464	13.254	24.379	354.7	0.107	88.8	0.18
40	13.026	32.488	13.021	24.444	348.8	0.142	89.1	0.25
50	12.967	32.487	12.960	24.455	347.9	0.177	89.0	0.39
60	12.720	32.532	12.712	24.538	340.2	0.212	88.3	0.72
70	12.055	32.566	12.047	24.691	325.9	0.245	88.8	0.81
80	11.294	32.651	11.285	24.896	306.5	0.277	89.9	0.52
90	10.906	32.704	10.895	25.007	296.1	0.307	90.5	0.36
100	10.593	32.815	10.581	25.148	282.8	0.335	90.8	0.21
110	10.240	32.910	10.227	25.282	270.2	0.363	90.9	0.18
120	9.908	33.004	9.894	25.411	258.1	0.389	90.9	0.15
130	9.638	33.109	9.623	25.538	246.2	0.415	90.9	0.14
140	9.153	33.365	9.138	25.816	219.9	0.438	90.9	0.13
150	8.933	33.529	8.918	25.980	204.5	0.459	90.9	0.13
175	8.328	33.726	8.310	26.227	181.3	0.508	90.8	0.13
200	7.900	33.848	7.881	26.387	166.5	0.551	90.6	0.13
225	7.546	33.932	7.524	26.505	155.6	0.591	90.3	0.14
250	7.163	33.965	7.139	26.584	148.3	0.629	90.6	0.14
300	6.656	34.007	6.629	26.687	139.0	0.700	90.8	0.14
400	5.723	34.070	5.690	26.857	123.6	0.831	90.8	0.14
500	5.325	34.120	5.285	26.945	116.2	0.951	90.9	0.14
501	5.324	34.120	5.283	26.945	116.2	0.952	90.9	0.14



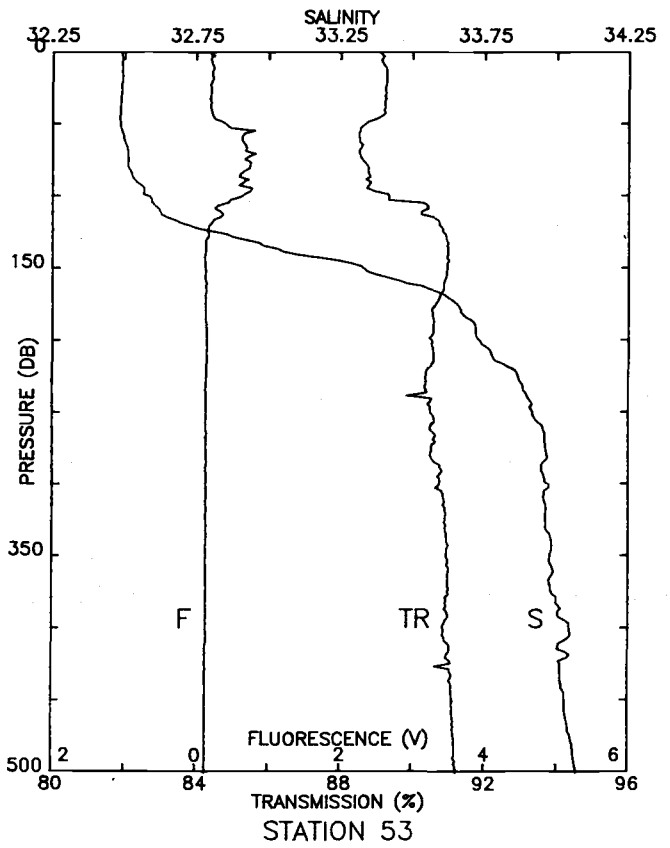
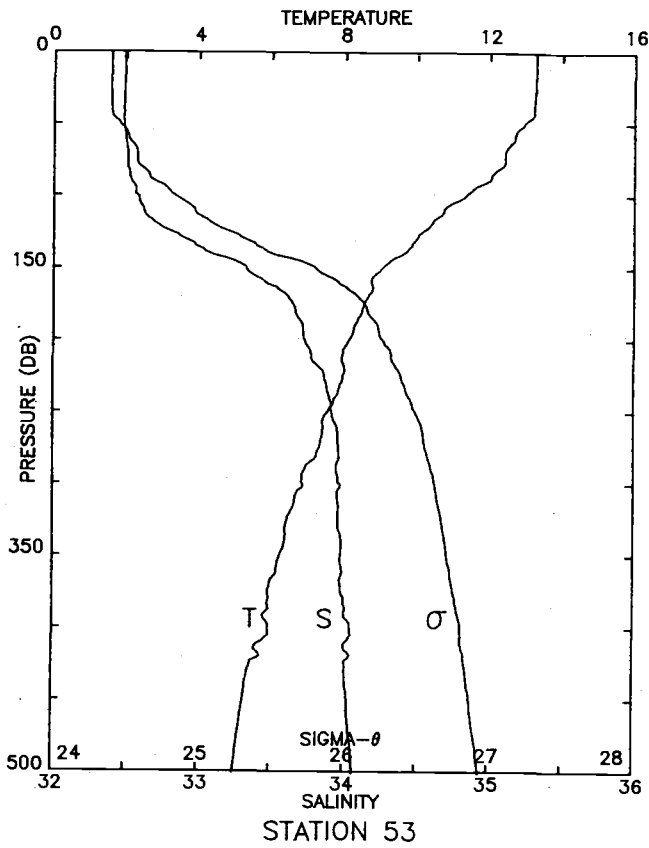
STA NO 51 LAT: 40 0.1 N LONG: 126 10.1 W
 14 JUN 1987 0003 GMT PROBE 2561 DEPTH 4072M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
3	13.454	32.501	13.454	24.369	355.0	0.011	89.5	0.16
10	13.447	32.502	13.446	24.370	355.0	0.035	89.5	0.18
20	13.419	32.503	13.416	24.377	354.6	0.071	89.4	0.18
30	13.364	32.503	13.360	24.388	353.8	0.106	89.3	0.23
40	13.283	32.499	13.278	24.402	352.8	0.142	89.1	0.24
50	13.159	32.488	13.152	24.418	351.5	0.177	89.3	0.31
60	12.782	32.440	12.774	24.455	348.2	0.212	88.9	0.42
70	12.309	32.461	12.300	24.562	338.2	0.246	89.1	0.62
80	12.026	32.506	12.016	24.650	330.0	0.280	89.3	0.59
90	11.604	32.534	11.593	24.750	320.7	0.312	90.1	0.36
100	10.735	32.603	10.723	24.958	300.9	0.343	90.5	0.25
110	10.397	32.706	10.384	25.097	287.9	0.373	90.8	0.16
120	9.995	32.874	9.982	25.295	269.1	0.401	90.9	0.15
130	9.417	33.125	9.403	25.587	241.5	0.426	90.9	0.13
140	9.150	33.294	9.135	25.761	225.1	0.449	90.9	0.12
150	8.948	33.507	8.933	25.960	206.4	0.471	90.9	0.13
175	8.438	33.679	8.420	26.174	186.4	0.520	90.9	0.13
200	7.984	33.813	7.964	26.347	170.3	0.564	90.8	0.13
225	7.670	33.903	7.648	26.464	159.5	0.605	90.7	0.13
250	7.356	33.956	7.332	26.550	151.6	0.644	90.8	0.13
300	6.675	33.983	6.648	26.666	141.1	0.717	90.7	0.13
400	5.925	34.051	5.891	26.816	127.6	0.851	90.8	0.14
500	5.071	34.073	5.032	26.937	116.6	0.973	91.1	0.13
501	5.070	34.074	5.030	26.938	116.5	0.974	91.1	0.13



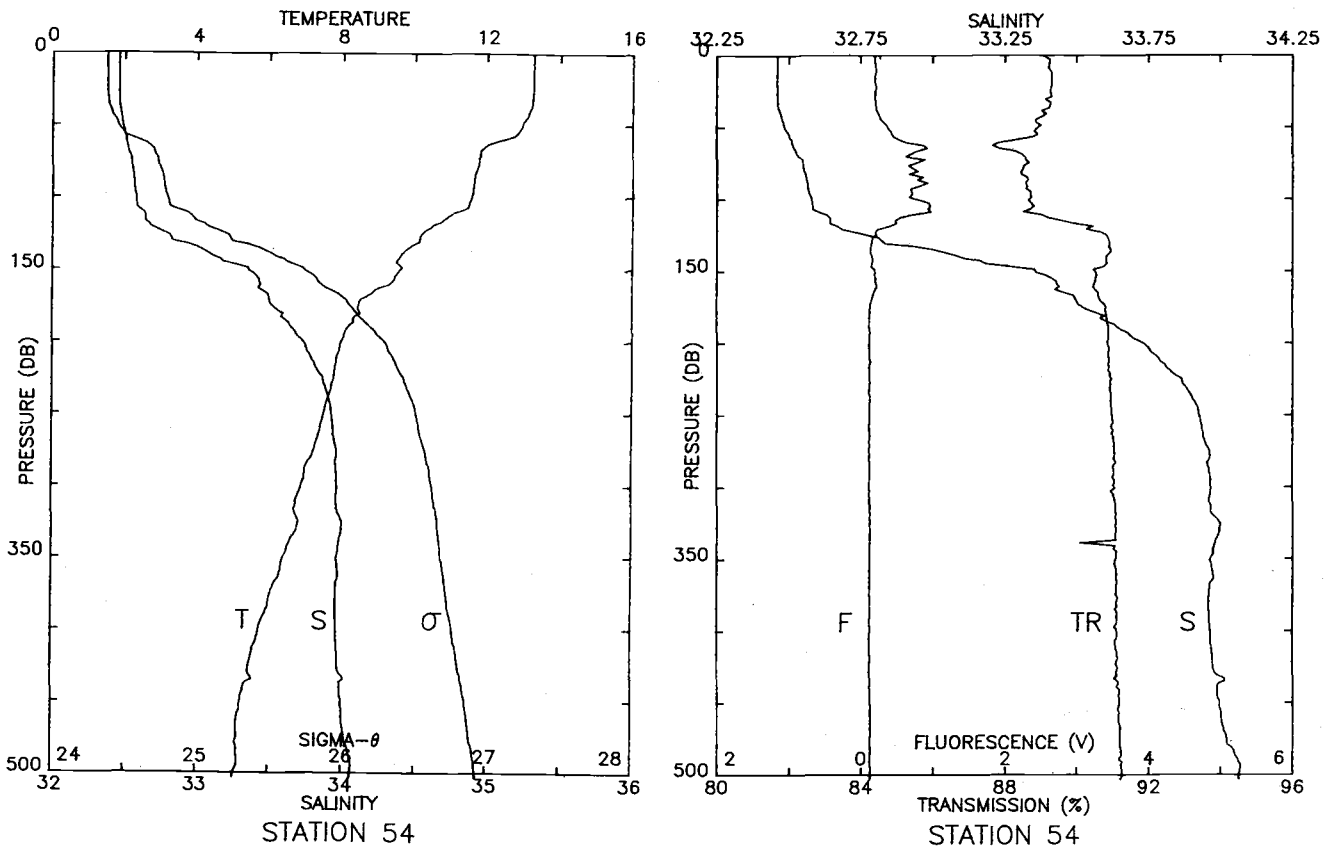
STA NO 52 LAT: 39 52.9 N LONG: 126 5.2 W
14 JUN 1987 0122 GMT PROBE 2561 DEPTH 3794M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
3	13.233	32.467	13.233	24.386	353.3	0.011	88.9	0.19
10	13.237	32.467	13.236	24.385	353.6	0.035	89.0	0.21
20	13.228	32.473	13.226	24.392	353.2	0.071	89.0	0.26
30	13.228	32.475	13.224	24.394	353.3	0.106	89.0	0.25
40	13.223	32.480	13.218	24.399	353.0	0.141	89.1	0.25
50	13.024	32.471	13.018	24.432	350.2	0.177	89.1	0.36
60	12.948	32.489	12.940	24.460	347.7	0.211	89.0	0.43
70	12.660	32.502	12.651	24.527	341.6	0.246	88.3	0.74
80	11.542	32.539	11.533	24.764	319.0	0.279	90.0	0.42
90	11.172	32.597	11.162	24.876	308.5	0.310	90.1	0.43
100	10.930	32.645	10.918	24.957	301.0	0.341	90.6	0.29
110	10.758	32.690	10.745	25.022	295.1	0.371	90.7	0.24
120	10.438	32.774	10.424	25.143	283.7	0.400	90.9	0.18
130	9.729	32.961	9.715	25.408	258.6	0.427	90.9	0.18
140	9.435	33.140	9.420	25.595	240.9	0.452	91.0	0.13
150	9.173	33.286	9.157	25.751	226.2	0.475	91.0	0.12
175	8.382	33.554	8.364	26.084	194.9	0.526	90.9	0.13
200	7.956	33.740	7.936	26.294	175.3	0.572	90.9	0.12
225	7.623	33.864	7.601	26.440	161.8	0.614	90.8	0.13
250	7.365	33.945	7.341	26.540	152.5	0.653	90.7	0.14
300	6.785	33.977	6.758	26.646	143.0	0.727	90.8	0.13
400	5.901	34.041	5.867	26.812	128.0	0.862	90.8	0.14
500	4.980	34.069	4.940	26.944	115.8	0.984	91.2	0.13
501	4.979	34.070	4.940	26.945	115.8	0.985	91.1	0.13



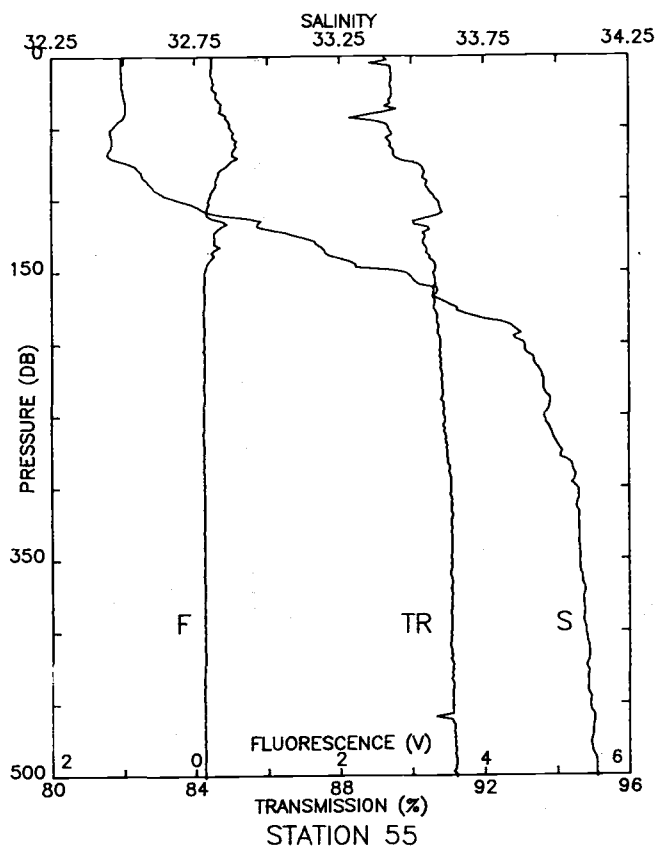
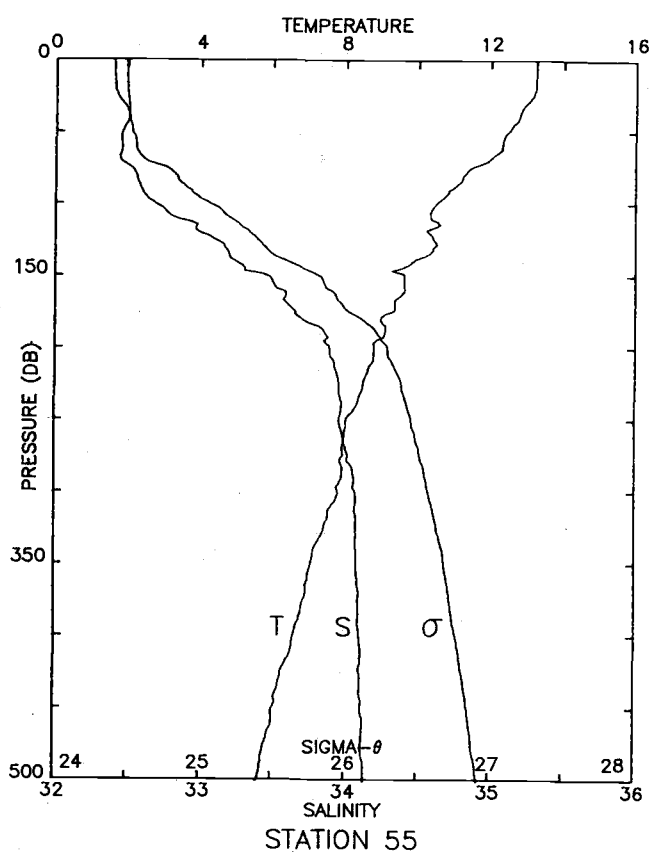
STA NO 53 LAT: 39 45.8 N LONG: 126 0.6 W
14 JUN 1987 0238 GMT PROBE 2561 DEPTH 3667M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	13.263	32.489	13.263	24.397	352.3	0.004	89.1	0.20
10	13.266	32.489	13.264	24.397	352.5	0.035	89.2	0.23
20	13.267	32.490	13.264	24.398	352.7	0.070	89.3	0.22
30	13.252	32.488	13.248	24.399	352.8	0.106	89.3	0.21
40	13.218	32.484	13.213	24.403	352.7	0.141	89.2	0.21
50	12.941	32.485	12.934	24.458	347.6	0.176	88.7	0.40
60	12.684	32.498	12.676	24.519	342.1	0.211	88.5	0.63
70	12.426	32.512	12.417	24.579	336.6	0.244	88.5	0.75
80	12.306	32.513	12.296	24.603	334.6	0.278	88.8	0.74
90	11.924	32.539	11.912	24.695	325.9	0.311	88.8	0.68
100	11.329	32.577	11.317	24.833	312.9	0.343	89.4	0.64
110	10.745	32.623	10.732	24.973	299.8	0.373	90.4	0.29
120	10.384	32.713	10.370	25.104	287.4	0.403	90.8	0.20
130	9.988	32.902	9.974	25.319	267.1	0.431	90.9	0.15
140	9.649	33.075	9.633	25.510	249.1	0.456	91.0	0.13
150	9.047	33.329	9.031	25.805	221.1	0.480	91.0	0.13
175	8.535	33.654	8.517	26.139	189.7	0.531	90.6	0.13
200	8.116	33.730	8.096	26.262	178.3	0.577	90.5	0.15
225	7.960	33.866	7.938	26.393	166.4	0.620	90.4	0.16
250	7.544	33.916	7.520	26.492	157.2	0.660	90.5	0.14
300	6.863	33.967	6.835	26.628	144.7	0.735	90.8	0.14
400	5.945	34.045	5.911	26.809	128.3	0.872	90.9	0.14
500	5.006	34.070	4.966	26.942	116.0	0.994	91.2	0.13
501	4.999	34.070	4.959	26.943	115.9	0.995	91.2	0.13



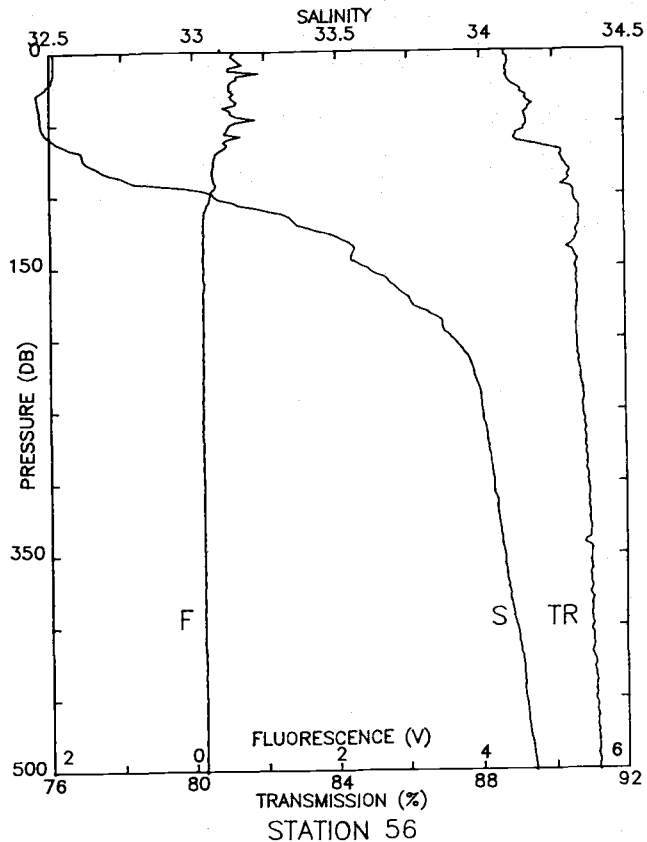
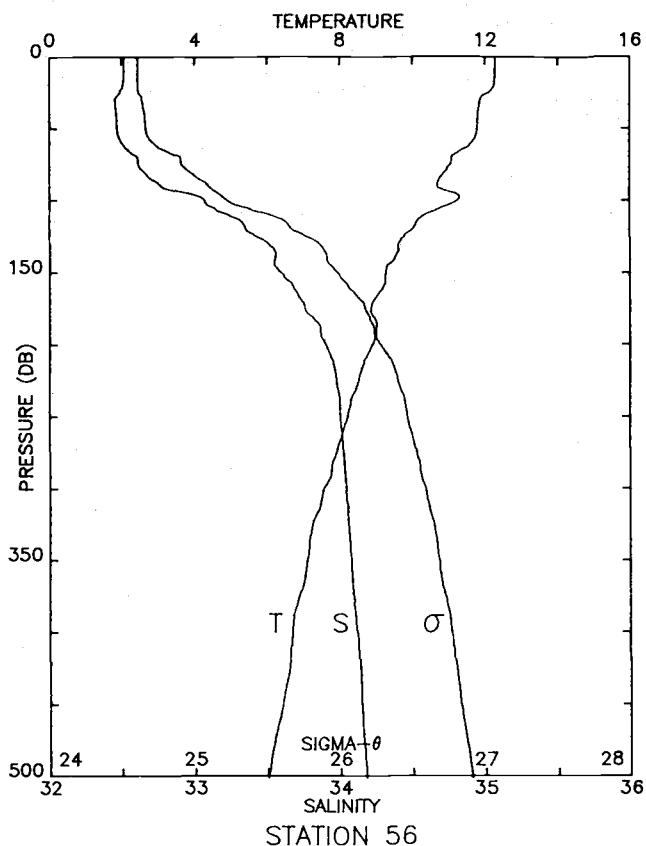
STA NO 54 LAT: 39 39.0 N LONG: 125 55.8 W
 14 JUN 1987 0406 GMT PROBE 2561 DEPTH 3770M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		THETA					
1	13.258	32.459	13.258	24.375	354.3	0.004	89.1	0.20
10	13.258	32.459	13.256	24.375	354.6	0.035	89.2	0.21
20	13.251	32.459	13.248	24.376	354.7	0.071	89.3	0.20
30	13.237	32.460	13.233	24.380	354.6	0.106	89.2	0.20
40	13.149	32.470	13.143	24.406	352.4	0.142	89.1	0.24
50	12.950	32.484	12.943	24.456	347.8	0.177	89.0	0.38
60	12.393	32.511	12.386	24.584	335.8	0.211	88.1	0.59
70	11.808	32.534	11.799	24.712	323.8	0.244	88.5	0.66
80	11.706	32.552	11.696	24.745	320.9	0.276	88.5	0.76
90	11.618	32.565	11.607	24.771	318.6	0.308	88.6	0.87
100	11.553	32.578	11.540	24.794	316.7	0.340	88.7	0.75
110	11.168	32.618	11.154	24.894	307.3	0.371	88.8	0.84
120	10.458	32.678	10.444	25.064	291.2	0.401	90.4	0.32
130	10.122	32.830	10.108	25.240	274.6	0.429	90.9	0.15
140	9.612	33.092	9.597	25.529	247.2	0.455	90.8	0.16
150	9.599	33.357	9.583	25.738	227.6	0.479	90.5	0.20
175	8.437	33.521	8.419	26.050	198.2	0.532	90.8	0.13
200	7.963	33.729	7.943	26.284	176.2	0.579	90.8	0.11
225	7.762	33.866	7.740	26.421	163.6	0.621	91.0	0.12
250	7.492	33.927	7.468	26.508	155.6	0.661	91.0	0.12
300	6.891	33.968	6.864	26.624	145.1	0.736	91.0	0.12
400	5.734	33.965	5.700	26.772	131.6	0.875	91.1	0.12
500	5.044	34.065	5.004	26.933	116.9	0.999	91.3	0.12
503	5.030	34.064	4.990	26.935	116.8	1.003	91.2	0.13



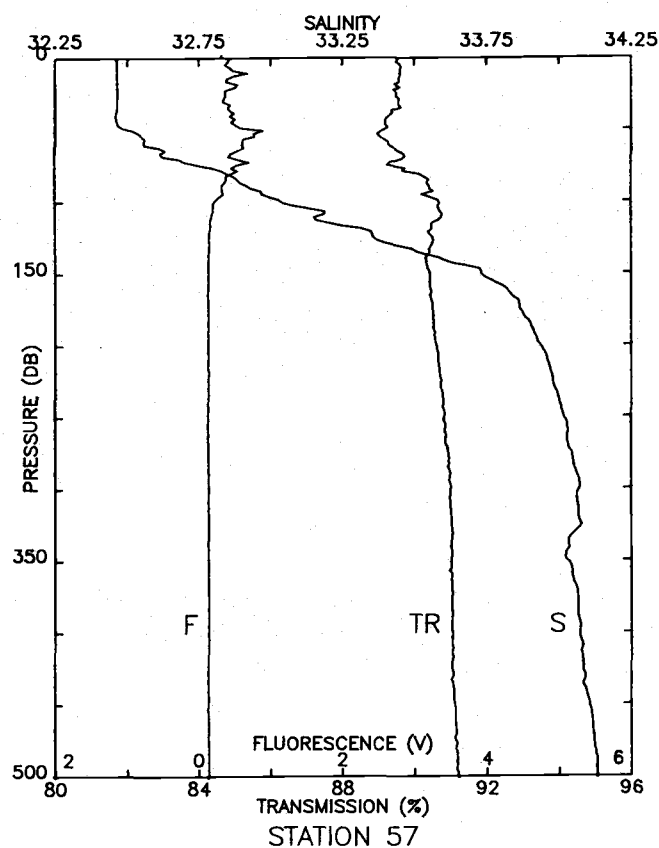
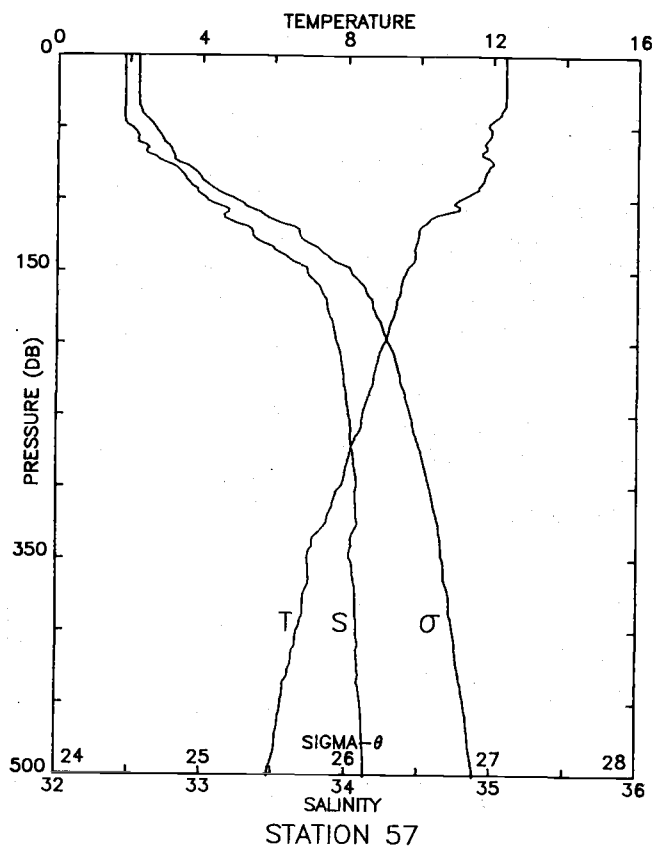
STA NO 55 LAT: 39 31.7 N LONG: 125 51.6 W
 14 JUN 1987 0521 GMT PROBE 2561 DEPTH 3815M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	13.240	32.490	13.239	24.403	351.7	0.004	89.2	0.23
10	13.240	32.491	13.239	24.403	351.9	0.035	89.4	0.22
20	13.216	32.492	13.213	24.409	351.6	0.070	89.4	0.25
30	12.981	32.503	12.977	24.465	346.5	0.105	89.4	0.31
40	12.756	32.504	12.751	24.509	342.6	0.140	89.0	0.38
50	12.469	32.457	12.462	24.528	340.9	0.174	89.4	0.49
60	12.315	32.458	12.307	24.558	338.3	0.208	89.4	0.56
70	11.942	32.453	11.933	24.625	332.2	0.241	89.5	0.57
80	11.276	32.558	11.267	24.828	313.0	0.273	90.4	0.34
90	10.924	32.595	10.914	24.919	304.5	0.304	90.4	0.29
100	10.516	32.688	10.504	25.062	291.0	0.334	90.7	0.19
110	10.341	32.822	10.329	25.196	278.4	0.363	90.8	0.16
120	10.271	32.986	10.257	25.336	265.3	0.390	90.5	0.34
130	10.468	33.164	10.453	25.443	255.5	0.416	90.3	0.27
140	9.881	33.234	9.865	25.596	241.0	0.441	90.5	0.25
150	9.613	33.457	9.596	25.815	220.4	0.464	90.6	0.13
175	9.319	33.657	9.300	26.019	201.4	0.517	90.6	0.13
200	8.765	33.888	8.744	26.288	176.3	0.563	90.8	0.13
225	8.472	33.955	8.449	26.386	167.3	0.606	90.8	0.13
250	8.024	33.958	7.999	26.456	160.9	0.647	90.9	0.12
300	7.798	34.069	7.768	26.577	150.2	0.725	91.1	0.13
400	6.591	34.100	6.555	26.770	132.7	0.866	91.1	0.13
500	5.622	34.139	5.580	26.924	118.5	0.991	91.2	0.13
501	5.603	34.139	5.561	26.927	118.2	0.992	91.2	0.13



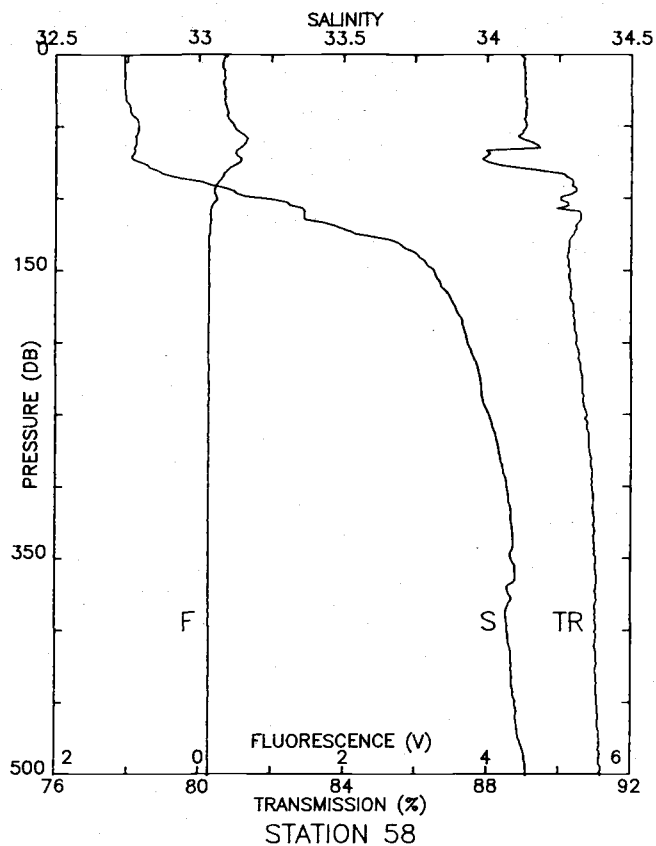
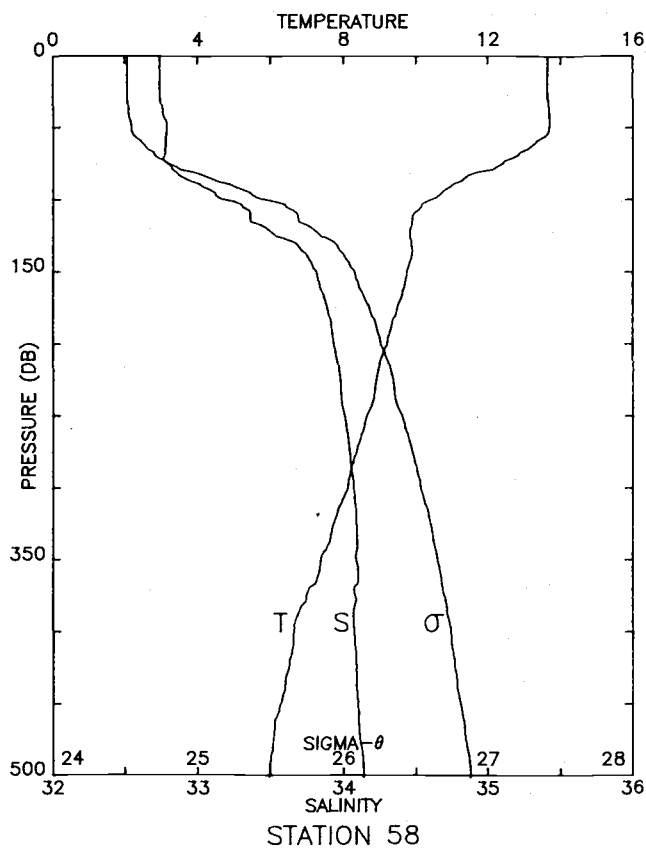
STA NO 56 LAT: 39 24.9 N LONG: 125 46.9 W
 14 JUN 1987 0643 GMT PROBE 2561 DEPTH 3778M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	12.268	32.515	12.268	24.610	331.9	0.003	88.7	0.57
10	12.266	32.515	12.265	24.611	332.1	0.033	88.7	0.60
20	12.233	32.507	12.231	24.611	332.3	0.066	88.8	0.57
30	11.854	32.455	11.850	24.641	329.6	0.100	89.2	0.55
40	11.789	32.465	11.784	24.661	328.0	0.132	89.3	0.47
50	11.776	32.470	11.769	24.668	327.6	0.165	89.3	0.56
60	11.617	32.506	11.609	24.725	322.3	0.198	89.0	0.58
70	11.084	32.612	11.076	24.903	305.5	0.229	90.2	0.34
80	10.899	32.659	10.890	24.973	299.1	0.260	90.4	0.28
90	10.694	32.779	10.683	25.102	287.0	0.289	90.4	0.29
100	11.240	33.072	11.228	25.234	274.8	0.317	90.6	0.24
110	10.334	33.238	10.321	25.523	247.4	0.343	90.7	0.17
120	9.988	33.358	9.974	25.675	233.1	0.367	90.7	0.14
130	9.597	33.509	9.582	25.857	215.9	0.389	90.6	0.13
140	9.491	33.556	9.475	25.912	210.9	0.411	90.6	0.14
150	9.250	33.599	9.233	25.984	204.2	0.432	90.6	0.14
175	8.846	33.762	8.828	26.176	186.3	0.480	90.6	0.13
200	8.895	33.904	8.874	26.280	177.0	0.526	90.6	0.13
225	8.512	33.977	8.488	26.397	166.2	0.568	90.7	0.13
250	8.202	34.004	8.177	26.466	160.1	0.609	90.8	0.13
300	7.544	34.042	7.515	26.592	148.6	0.686	90.9	0.13
400	6.685	34.119	6.649	26.772	132.5	0.826	91.1	0.13
500	6.015	34.180	5.972	26.908	120.4	0.953	91.2	0.14
501	6.007	34.180	5.963	26.909	120.4	0.955	91.2	0.14



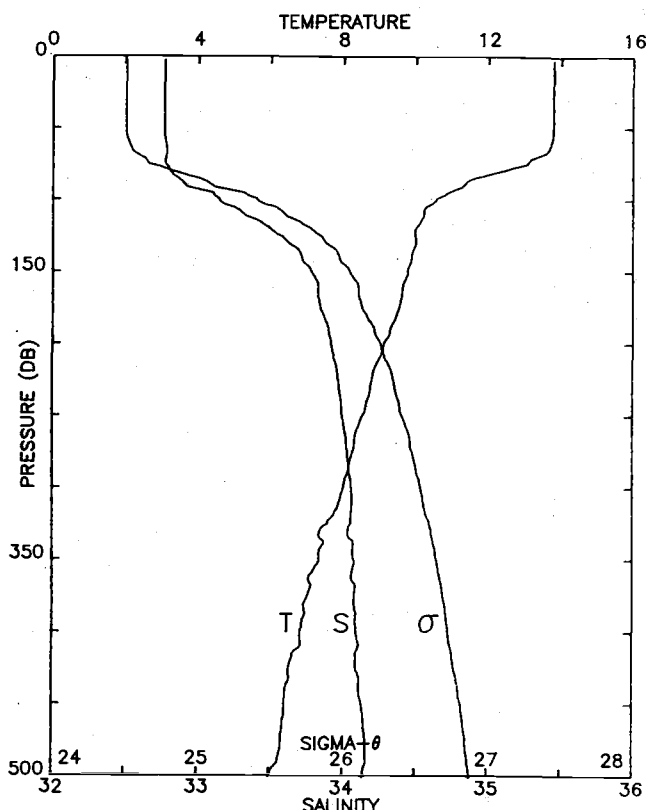
STA NO 57 LAT: 39 18.0 N LONG: 125 42.1 W
 14 JUN 1987 0751 GMT PROBE 2561 DEPTH 3727M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	12.327	32.461	12.327	24.557	337.0	0.003	89.5	0.42
10	12.332	32.463	12.331	24.558	337.1	0.034	89.6	0.58
20	12.335	32.464	12.332	24.558	337.4	0.067	89.5	0.52
30	12.330	32.463	12.327	24.559	337.5	0.101	89.6	0.34
40	12.198	32.458	12.192	24.580	335.8	0.135	89.3	0.46
50	11.891	32.499	11.885	24.669	327.5	0.168	89.2	0.73
60	11.788	32.556	11.781	24.733	321.6	0.200	89.3	0.60
70	11.793	32.654	11.785	24.808	314.7	0.232	89.7	0.48
80	11.845	32.841	11.835	24.944	302.0	0.263	89.9	0.49
90	11.644	32.924	11.632	25.046	292.5	0.293	90.4	0.32
100	11.078	33.035	11.065	25.235	274.7	0.321	90.7	0.22
110	10.602	33.170	10.589	25.423	256.9	0.348	90.8	0.18
120	9.991	33.335	9.978	25.656	234.9	0.373	90.4	0.15
130	9.902	33.422	9.888	25.739	227.2	0.396	90.5	0.15
140	9.863	33.595	9.848	25.881	214.0	0.418	90.3	0.14
150	9.619	33.732	9.602	26.029	200.1	0.439	90.4	0.13
175	9.347	33.865	9.327	26.177	186.4	0.487	90.5	0.13
200	9.009	33.935	8.988	26.286	176.5	0.532	90.6	0.13
225	8.726	33.979	8.702	26.366	169.3	0.575	90.7	0.13
250	8.436	34.018	8.410	26.441	162.5	0.616	90.8	0.13
300	7.827	34.070	7.797	26.573	150.6	0.695	91.0	0.14
400	6.654	34.071	6.618	26.739	135.6	0.837	91.1	0.13
500	5.895	34.133	5.852	26.886	122.3	0.966	91.2	0.13
501	5.892	34.134	5.849	26.887	122.3	0.967	91.2	0.13

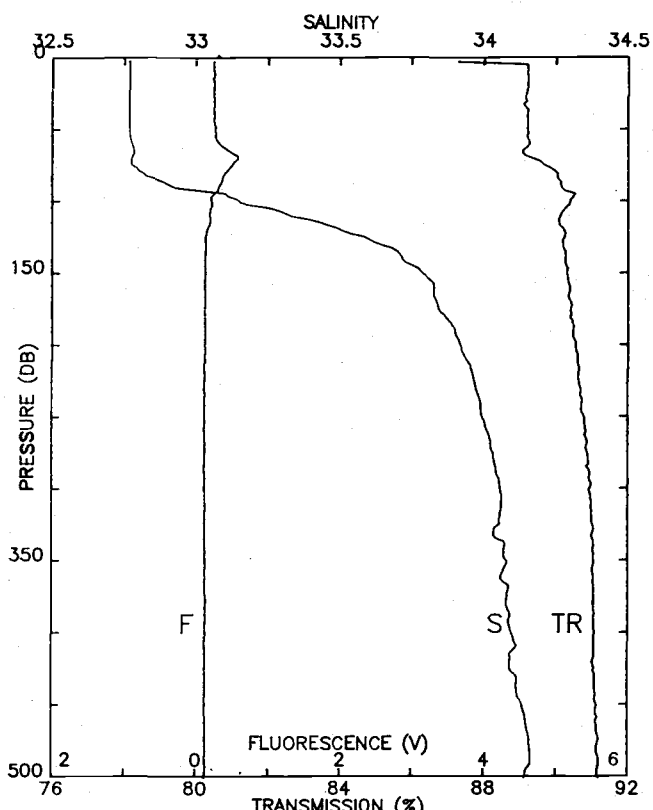


STA NO 58 LAT: 39 10.8 N LONG: 125 37.4 W
14 JUN 1987 0905 GMT PROBE 2561 DEPTH 3606M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	13.635	32.738	13.634	24.515	341.0	0.003	89.0	0.36
10	13.637	32.739	13.636	24.515	341.2	0.034	89.0	0.34
20	13.636	32.738	13.634	24.515	341.5	0.068	89.1	0.34
30	13.646	32.743	13.642	24.517	341.5	0.102	89.1	0.36
40	13.676	32.759	13.670	24.524	341.2	0.137	89.1	0.39
50	13.683	32.786	13.676	24.544	339.6	0.171	89.1	0.48
60	13.299	32.779	13.291	24.616	332.9	0.204	89.1	0.66
70	12.736	32.766	12.726	24.717	323.5	0.237	88.0	0.52
80	11.907	32.840	11.897	24.932	303.2	0.269	89.2	0.40
90	10.999	33.024	10.988	25.240	274.0	0.297	90.4	0.25
100	10.431	33.204	10.419	25.479	251.4	0.324	90.0	0.24
110	9.928	33.362	9.916	25.688	231.7	0.348	90.6	0.15
120	9.838	33.477	9.824	25.792	222.0	0.370	90.5	0.15
130	9.869	33.675	9.854	25.942	207.9	0.392	90.3	0.14
140	9.864	33.762	9.848	26.011	201.6	0.412	90.2	0.14
150	9.735	33.816	9.718	26.075	195.8	0.432	90.3	0.13
175	9.468	33.889	9.449	26.177	186.6	0.480	90.4	0.14
200	9.190	33.933	9.168	26.256	179.5	0.526	90.5	0.13
225	8.874	33.976	8.850	26.340	171.8	0.570	90.6	0.13
250	8.625	34.006	8.599	26.403	166.3	0.612	90.8	0.13
300	8.107	34.070	8.076	26.532	154.7	0.692	90.9	0.13
400	6.631	34.070	6.594	26.741	135.4	0.836	91.0	0.14
500	5.971	34.139	5.928	26.881	122.9	0.965	91.2	0.14
501	5.970	34.139	5.926	26.882	122.9	0.967	91.2	0.14



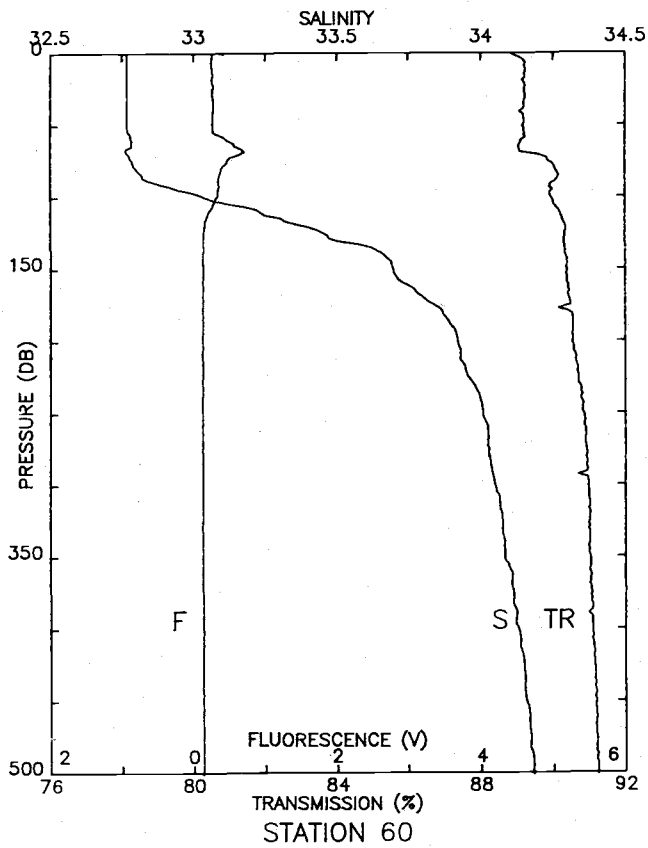
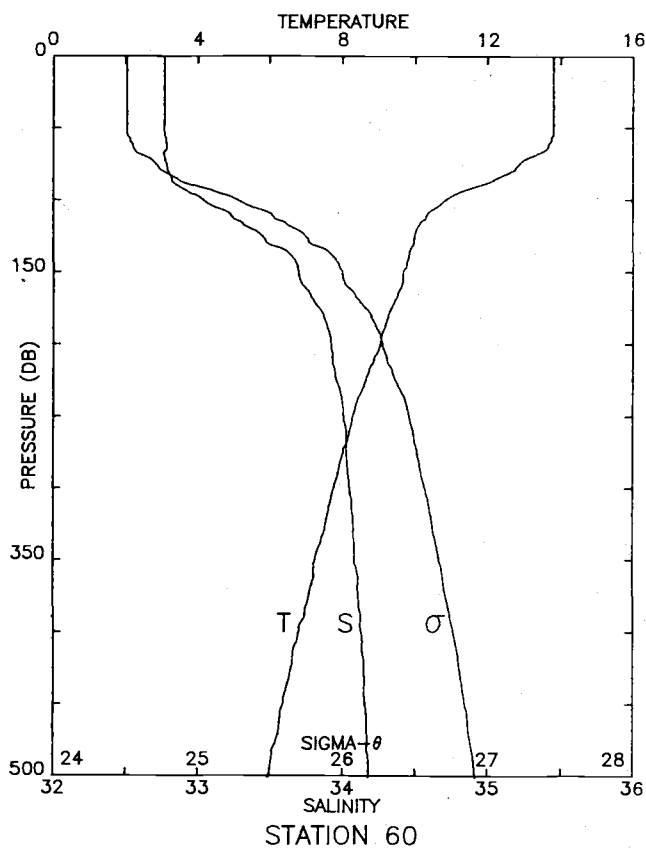
STATION 59



STATION 59

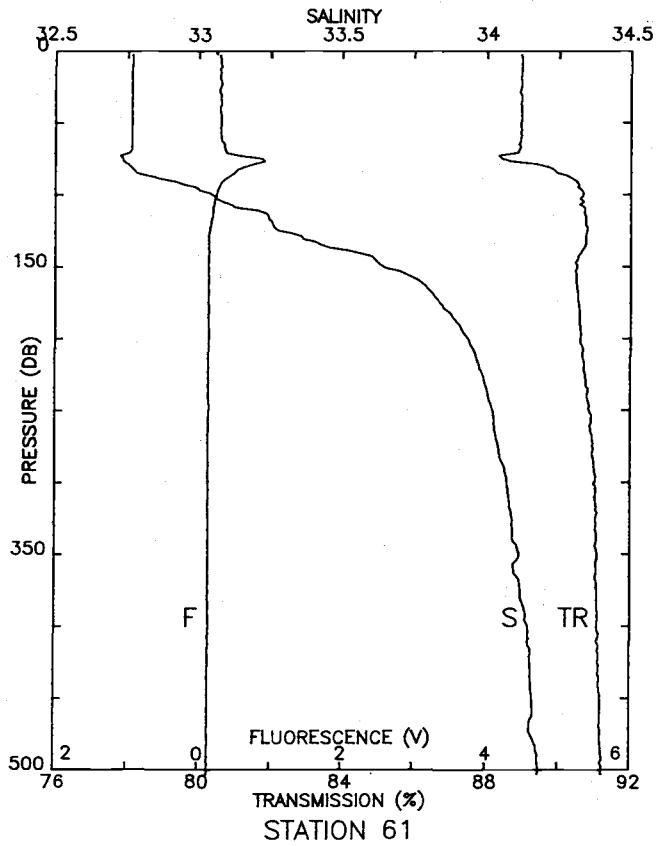
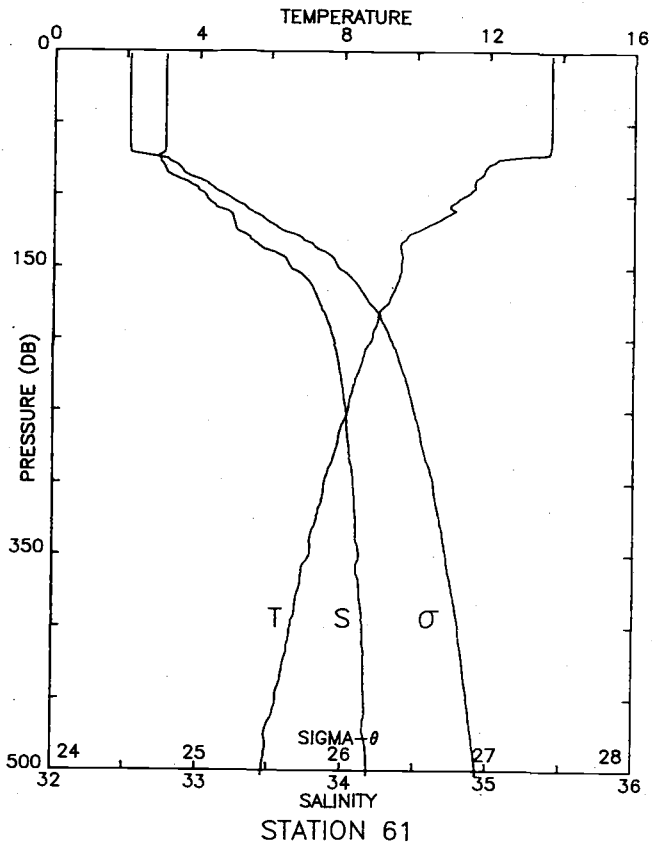
STA NO 59 LAT: 39 3.7 N LONG: 125 33.0 W
 14 JUN 1987 1015 GMT PROBE 2561 DEPTH 3647M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
3	13.785	32.766	13.784	24.506	341.9	0.010	87.3	0.24
10	13.788	32.767	13.786	24.507	342.0	0.034	89.2	0.25
20	13.788	32.767	13.785	24.507	342.3	0.068	89.2	0.25
30	13.791	32.767	13.787	24.507	342.6	0.103	89.2	0.26
40	13.792	32.768	13.786	24.507	342.8	0.137	89.2	0.26
50	13.788	32.768	13.781	24.509	342.9	0.171	89.2	0.27
60	13.728	32.777	13.719	24.528	341.3	0.205	89.3	0.32
70	13.293	32.777	13.284	24.615	333.2	0.239	89.3	0.58
80	12.326	32.809	12.315	24.829	313.0	0.272	90.0	0.42
90	11.314	32.918	11.303	25.100	287.3	0.302	90.1	0.32
100	10.559	33.148	10.548	25.413	257.7	0.329	90.4	0.22
110	10.221	33.320	10.208	25.605	239.6	0.353	90.1	0.19
120	9.996	33.500	9.983	25.784	222.8	0.377	90.2	0.16
130	9.995	33.635	9.980	25.890	212.9	0.398	90.2	0.14
140	9.874	33.718	9.858	25.975	205.0	0.419	90.3	0.13
150	9.773	33.787	9.756	26.046	198.5	0.439	90.3	0.13
175	9.528	33.844	9.509	26.131	190.9	0.488	90.4	0.13
200	9.114	33.918	9.092	26.256	179.4	0.534	90.6	0.13
225	8.782	33.968	8.758	26.348	171.0	0.578	90.6	0.13
250	8.534	33.994	8.508	26.408	165.7	0.620	90.8	0.13
300	8.007	34.058	7.977	26.538	154.1	0.699	90.9	0.12
400	6.848	34.096	6.811	26.733	136.4	0.844	91.1	0.13
500	5.994	34.143	5.951	26.882	122.9	0.973	91.2	0.13
501	5.982	34.142	5.939	26.883	122.8	0.974	91.2	0.13



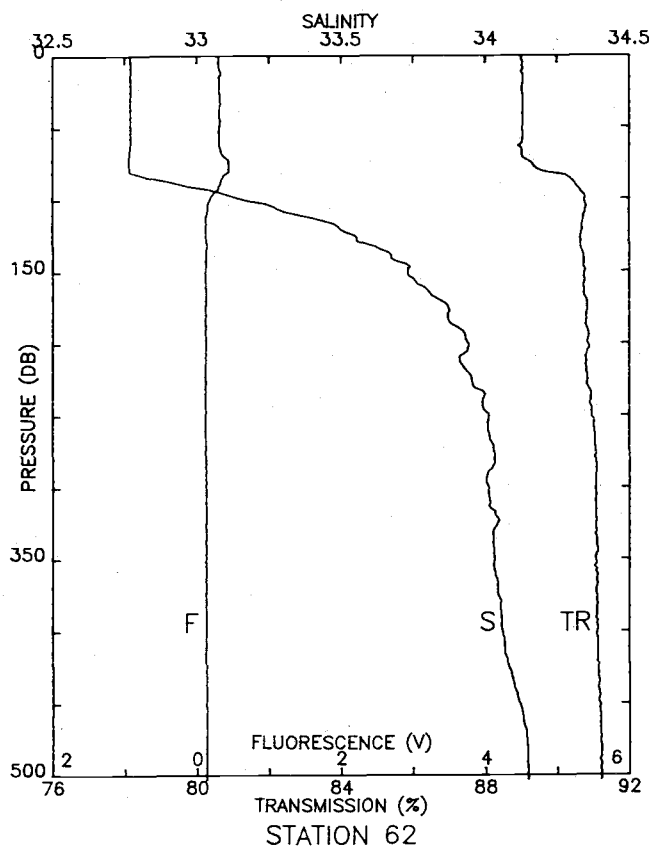
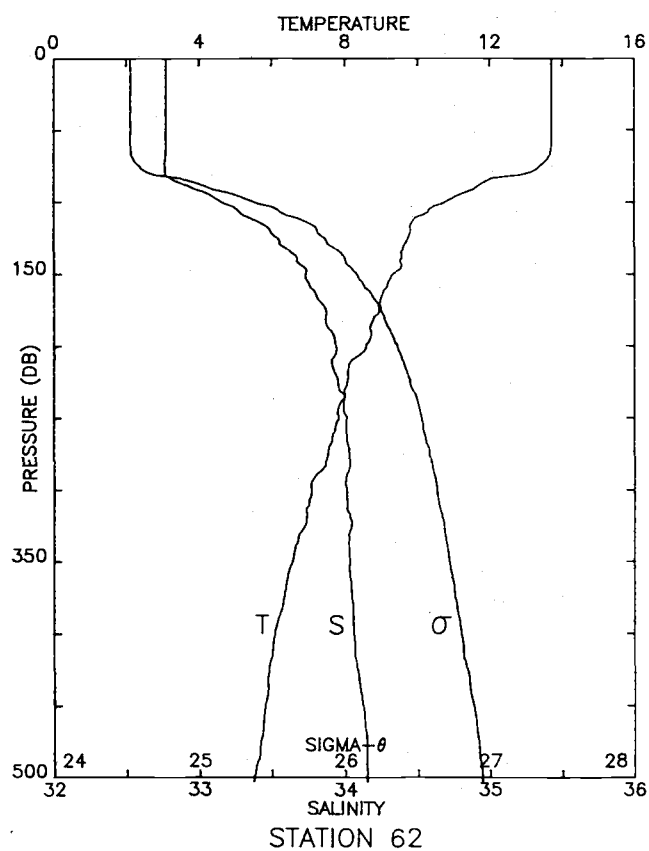
STA NO 60 LAT: 38 56.9 N LONG: 125 28.0 W
14 JUN 1987 1123 GMT PROBE 2561 DEPTH 3683M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	13.785	32.767	13.785	24.507	341.8	0.003	88.9	0.26
10	13.787	32.767	13.785	24.507	342.0	0.034	89.2	0.26
20	13.787	32.767	13.784	24.507	342.3	0.068	89.2	0.26
30	13.789	32.767	13.785	24.507	342.5	0.103	89.2	0.27
40	13.791	32.767	13.786	24.507	342.8	0.137	89.1	0.28
50	13.793	32.767	13.786	24.507	343.1	0.171	89.2	0.27
60	13.692	32.782	13.684	24.539	340.3	0.205	89.2	0.45
70	13.118	32.768	13.109	24.643	330.6	0.239	89.4	0.67
80	12.637	32.796	12.626	24.759	319.7	0.272	90.1	0.40
90	11.752	32.861	11.741	24.977	299.1	0.303	90.0	0.35
100	10.838	33.038	10.827	25.279	270.5	0.331	89.9	0.33
110	10.331	33.227	10.318	25.514	248.2	0.357	90.2	0.22
120	10.034	33.378	10.021	25.683	232.4	0.381	90.3	0.16
130	9.954	33.489	9.939	25.783	223.1	0.404	90.3	0.14
140	9.799	33.662	9.783	25.944	208.0	0.425	90.3	0.13
150	9.653	33.698	9.636	25.996	203.2	0.446	90.4	0.14
175	9.336	33.842	9.316	26.161	188.0	0.495	90.5	0.13
200	9.029	33.922	9.008	26.273	177.8	0.540	90.5	0.13
225	8.631	33.957	8.608	26.363	169.6	0.584	90.7	0.13
250	8.276	34.008	8.250	26.457	160.9	0.625	90.8	0.13
300	7.757	34.050	7.728	26.568	151.1	0.703	91.0	0.13
400	6.792	34.129	6.755	26.766	133.2	0.845	91.1	0.14
500	5.959	34.181	5.915	26.916	119.6	0.971	91.2	0.13
501	5.950	34.182	5.907	26.918	119.5	0.972	91.2	0.13



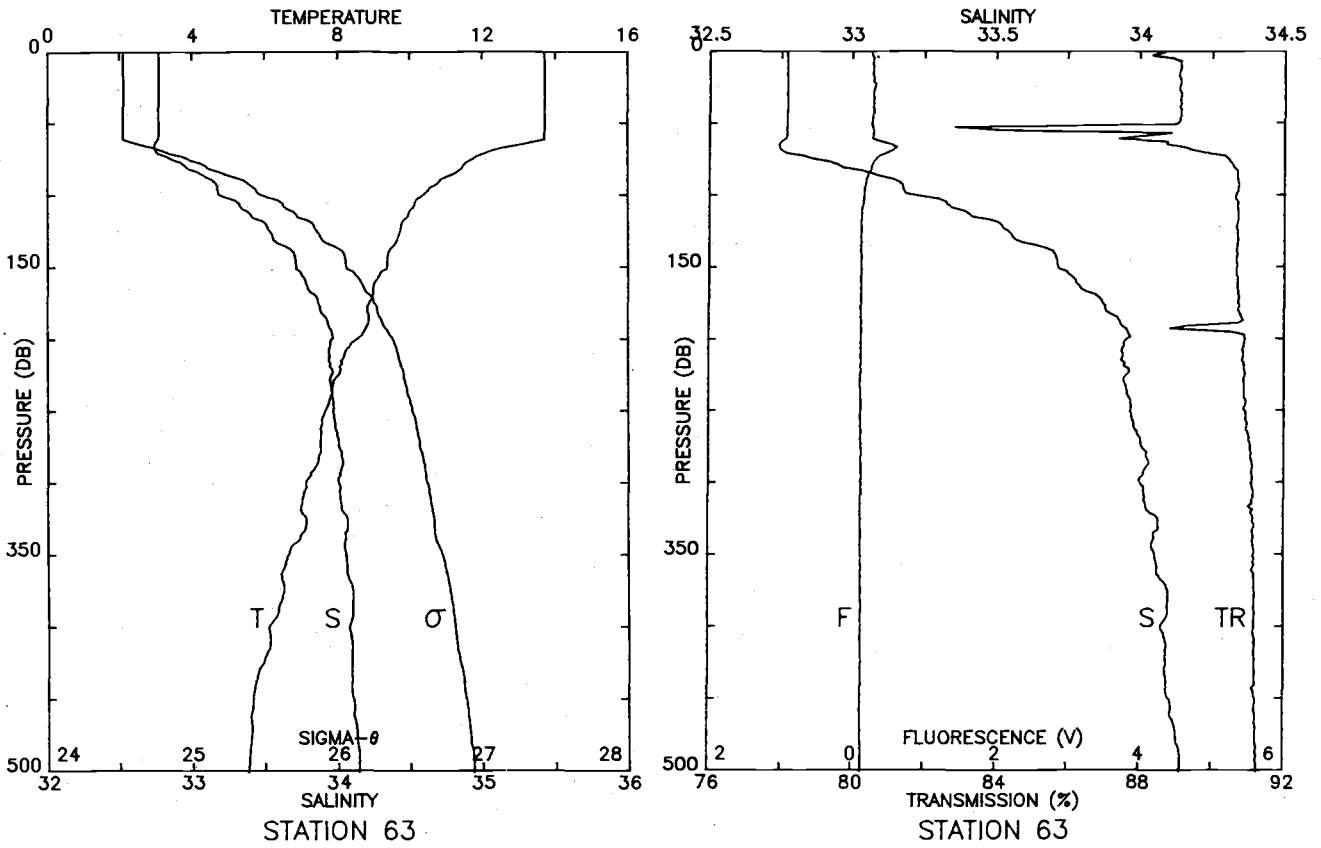
STA NO 61 LAT: 38 49.8 N LONG: 125 23.8 W
 14 JUN 1987 1239 GMT PROBE 2561 DEPTH 3670M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
3	13.700	32.766	13.700	24.523	340.3	0.010	88.9	0.29
10	13.703	32.766	13.701	24.523	340.5	0.034	89.0	0.31
20	13.707	32.766	13.704	24.522	340.8	0.068	89.0	0.30
30	13.708	32.766	13.704	24.522	341.1	0.102	88.9	0.30
40	13.710	32.766	13.705	24.522	341.4	0.136	89.0	0.30
50	13.709	32.766	13.703	24.522	341.6	0.170	89.0	0.31
60	13.709	32.765	13.700	24.523	341.8	0.205	89.0	0.31
70	13.648	32.760	13.638	24.531	341.3	0.239	88.9	0.38
80	11.947	32.757	11.937	24.860	310.0	0.271	89.6	0.69
90	11.623	32.892	11.612	25.025	294.5	0.302	90.4	0.35
100	11.369	33.047	11.357	25.192	278.9	0.330	90.7	0.24
110	11.003	33.167	10.990	25.351	263.9	0.357	90.7	0.20
120	10.435	33.256	10.421	25.519	248.0	0.383	90.7	0.17
130	9.725	33.361	9.710	25.721	228.9	0.407	90.7	0.14
140	9.584	33.546	9.569	25.888	213.2	0.429	90.6	0.14
150	9.575	33.644	9.558	25.967	205.9	0.450	90.5	0.14
175	9.220	33.840	9.201	26.178	186.3	0.498	90.6	0.13
200	8.774	33.936	8.753	26.324	172.8	0.543	90.6	0.14
225	8.387	33.988	8.363	26.425	163.6	0.585	90.7	0.14
250	8.130	34.023	8.105	26.491	157.6	0.625	90.9	0.14
300	7.492	34.074	7.463	26.625	145.5	0.701	91.0	0.13
400	6.604	34.145	6.567	26.804	129.4	0.839	91.1	0.14
500	5.854	34.184	5.811	26.932	118.0	0.962	91.2	0.14
503	5.842	34.183	5.799	26.933	118.0	0.966	91.2	0.13



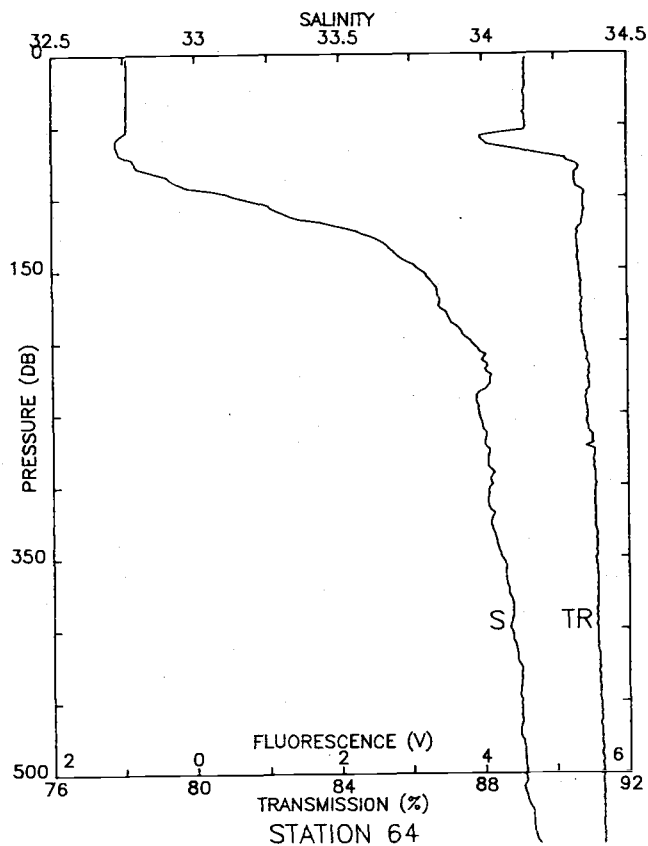
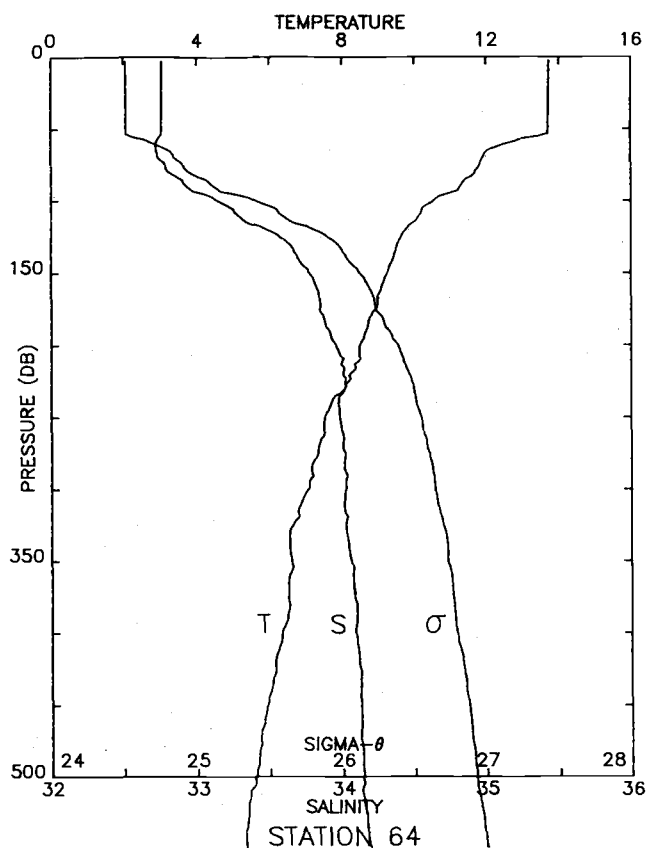
STA NO 62 LAT: 38 42.9 N LONG: 125 18.9 W
 14 JUN 1987 1402 GMT PROBE 2561 DEPTH 3597M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	13.701	32.769	13.701	24.526	340.0	0.003	89.0	0.30
10	13.701	32.770	13.700	24.526	340.2	0.034	89.0	0.32
20	13.703	32.770	13.700	24.526	340.4	0.068	89.0	0.31
30	13.705	32.769	13.701	24.526	340.7	0.102	89.0	0.32
40	13.706	32.770	13.700	24.526	341.0	0.136	89.0	0.31
50	13.707	32.770	13.700	24.526	341.2	0.170	89.0	0.32
60	13.707	32.770	13.699	24.527	341.5	0.204	89.0	0.31
70	13.580	32.765	13.571	24.548	339.7	0.239	89.0	0.38
80	12.990	32.766	12.979	24.667	328.5	0.272	89.6	0.45
90	11.607	32.950	11.596	25.072	290.0	0.303	90.5	0.32
100	10.761	33.160	10.749	25.387	260.2	0.330	90.8	0.18
110	10.041	33.331	10.029	25.645	235.8	0.355	90.8	0.14
120	9.789	33.495	9.776	25.815	219.8	0.377	90.7	0.13
130	9.627	33.572	9.612	25.902	211.7	0.399	90.7	0.14
140	9.510	33.675	9.495	26.002	202.4	0.419	90.7	0.13
150	9.293	33.732	9.276	26.082	195.0	0.439	90.8	0.12
175	8.938	33.872	8.919	26.248	179.6	0.486	90.8	0.12
200	8.566	33.941	8.546	26.360	169.3	0.530	90.9	0.13
225	8.061	33.953	8.038	26.446	161.4	0.571	90.9	0.13
250	7.820	34.012	7.796	26.528	154.0	0.610	91.0	0.12
300	7.067	34.010	7.039	26.634	144.3	0.685	91.1	0.13
400	6.080	34.060	6.045	26.804	128.9	0.821	91.1	0.14
500	5.500	34.148	5.458	26.946	116.2	0.943	91.2	0.13
503	5.488	34.150	5.447	26.949	116.0	0.947	91.2	0.14



STA NO 63 LAT: 38 46.6 N LONG: 125 10.4 W
 14 JUN 1987 1516 GMT PROBE 2561 DEPTH 3432M

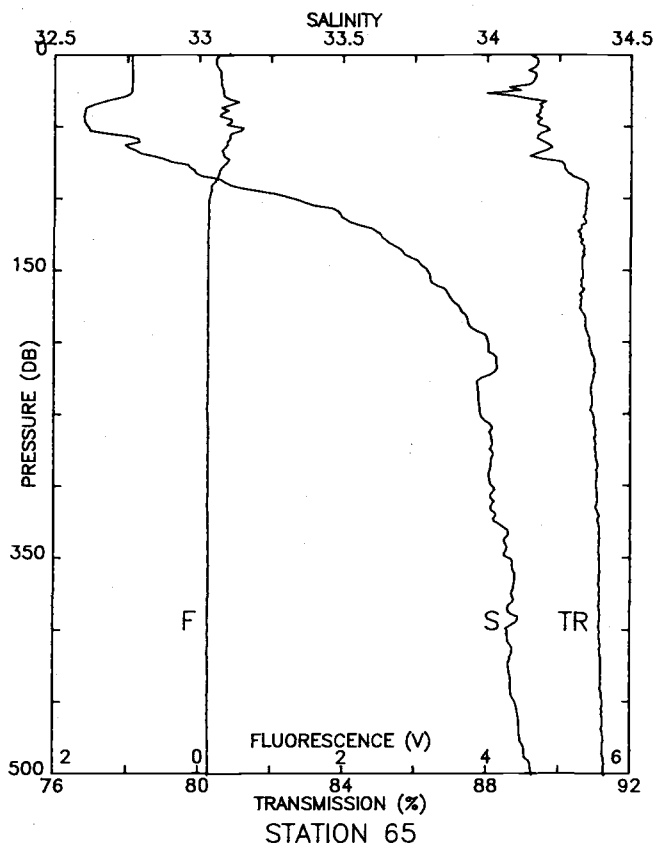
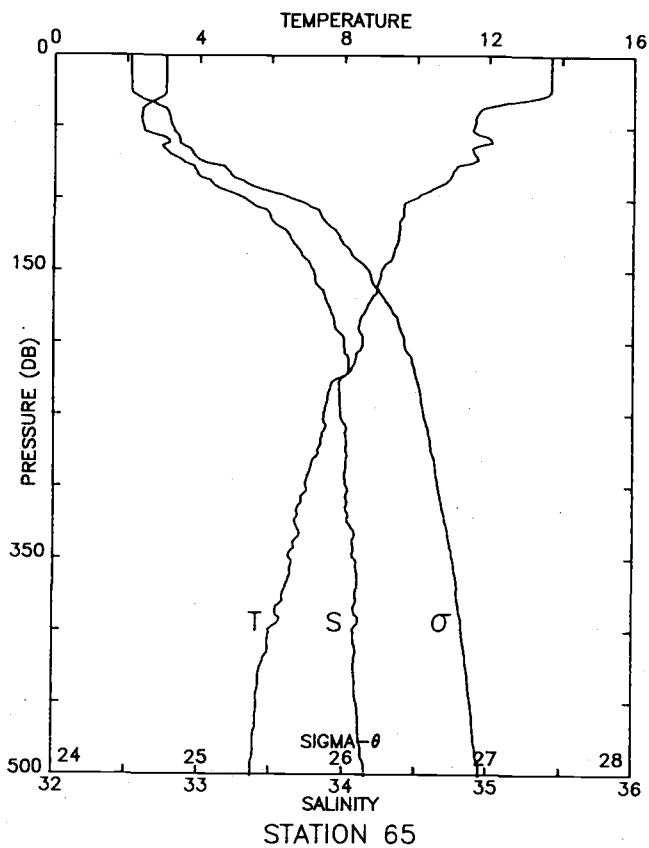
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
1	13.712	32.770	13.712	24.524	340.2	0.003	88.7	0.27
10	13.714	32.769	13.713	24.523	340.4	0.034	89.1	0.29
20	13.714	32.770	13.711	24.524	340.7	0.068	89.1	0.29
30	13.716	32.770	13.712	24.524	340.9	0.102	89.1	0.29
40	13.717	32.770	13.712	24.524	341.2	0.136	89.1	0.29
50	13.719	32.770	13.712	24.524	341.5	0.170	89.1	0.27
60	13.713	32.768	13.704	24.524	341.7	0.205	87.8	0.29
70	12.130	32.759	12.121	24.827	313.0	0.237	89.7	0.52
80	11.472	32.960	11.462	25.105	286.7	0.267	90.6	0.27
90	10.836	33.155	10.825	25.370	261.6	0.295	90.7	0.20
100	10.357	33.212	10.345	25.498	249.6	0.320	90.7	0.16
110	10.036	33.369	10.023	25.675	232.9	0.344	90.7	0.13
120	9.766	33.513	9.752	25.833	218.1	0.367	90.7	0.12
130	9.653	33.562	9.639	25.889	212.9	0.388	90.7	0.12
140	9.398	33.702	9.383	26.041	198.7	0.409	90.7	0.12
150	9.349	33.717	9.333	26.061	197.0	0.429	90.7	0.13
175	8.873	33.871	8.855	26.257	178.7	0.475	90.7	0.13
200	8.521	33.962	8.500	26.384	167.1	0.519	90.9	0.13
225	8.011	33.958	7.989	26.458	160.3	0.560	90.9	0.12
250	7.655	33.970	7.631	26.519	154.7	0.599	90.9	0.13
300	7.105	34.002	7.077	26.622	145.5	0.674	91.1	0.13
400	6.106	34.076	6.071	26.813	128.1	0.810	91.2	0.13
500	5.532	34.144	5.490	26.939	117.0	0.932	91.3	0.13
501	5.531	34.144	5.489	26.939	117.0	0.933	91.3	0.13



STA NO 64 LAT: 38 50.0 N LONG: 125 2.0 W
14 JUN 1987 1634 GMT PROBE 2561 DEPTH 3522M

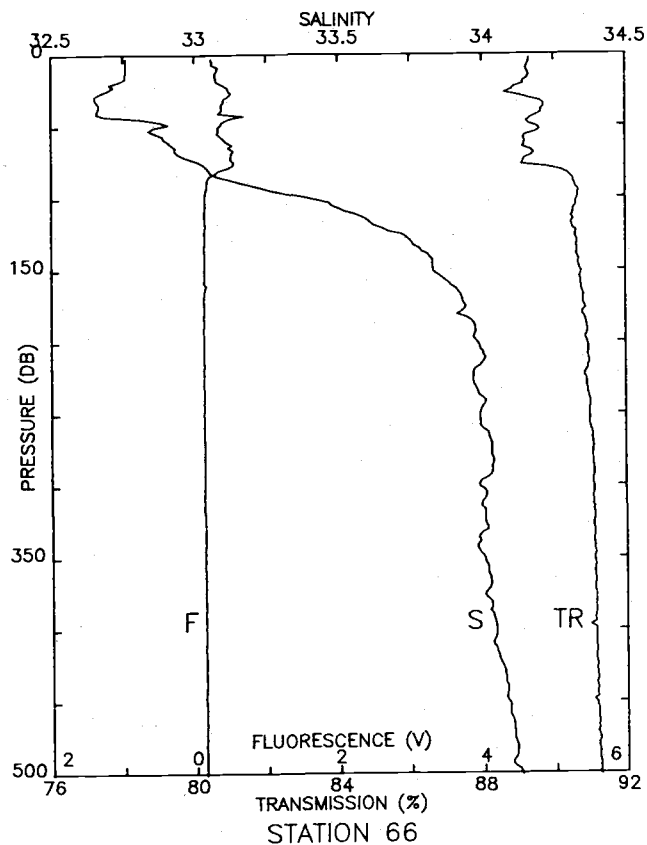
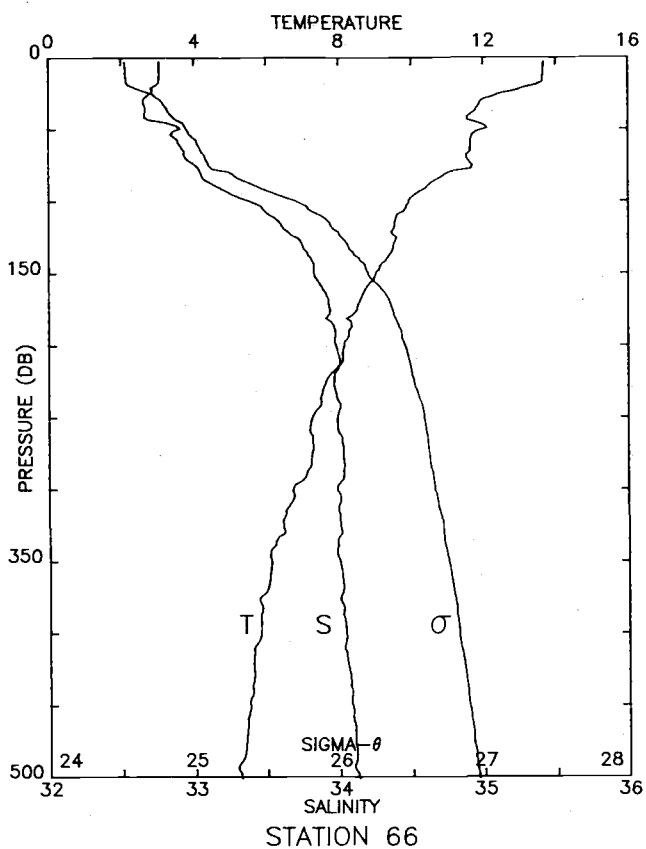
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	13.722	32.762	13.722	24.516	341.0	0.010	89.2-99.00	
10	13.723	32.762	13.722	24.516	341.2	0.034	89.2-99.00	
20	13.719	32.762	13.716	24.517	341.3	0.068	89.2-99.00	
30	13.715	32.762	13.711	24.518	341.5	0.102	89.2-99.00	
40	13.711	32.762	13.705	24.519	341.7	0.137	89.1-99.00	
50	13.705	32.761	13.698	24.520	341.8	0.171	89.2-99.00	
60	12.558	32.724	12.550	24.718	323.1	0.204	88.0-99.00	
70	11.902	32.745	11.893	24.859	309.9	0.236	89.6-99.00	
80	11.679	32.816	11.669	24.955	301.0	0.266	90.7-99.00	
90	11.277	32.939	11.266	25.124	285.1	0.295	90.6-99.00	
100	10.542	33.153	10.530	25.420	257.0	0.323	90.8-99.00	
110	10.147	33.292	10.134	25.596	240.4	0.347	90.8-99.00	
120	9.758	33.498	9.745	25.822	219.1	0.370	90.7-99.00	
130	9.529	33.645	9.515	25.975	204.8	0.391	90.6-99.00	
140	9.405	33.704	9.390	26.041	198.7	0.412	90.6-99.00	
150	9.243	33.781	9.227	26.128	190.6	0.431	90.7-99.00	
175	8.899	33.843	8.881	26.231	181.1	0.477	90.7-99.00	
200	8.473	33.957	8.452	26.387	166.7	0.521	90.8-99.00	
225	8.172	34.022	8.149	26.484	157.9	0.561	90.9-99.00	
250	7.522	33.985	7.498	26.550	151.7	0.600	90.9-99.00	
300	7.060	34.025	7.032	26.646	143.2	0.673	91.1-99.00	
400	6.334	34.092	6.298	26.797	129.8	0.809	91.1-99.00	
500	5.600	34.140	5.558	26.928	118.1	0.932	91.3-99.00	
600	5.112	34.231	5.064	27.058	106.4	1.043	91.3-99.00	
611	5.078	34.235	5.028	27.066	105.8	1.055	91.3-99.00	

LIN INT SAL 341-349



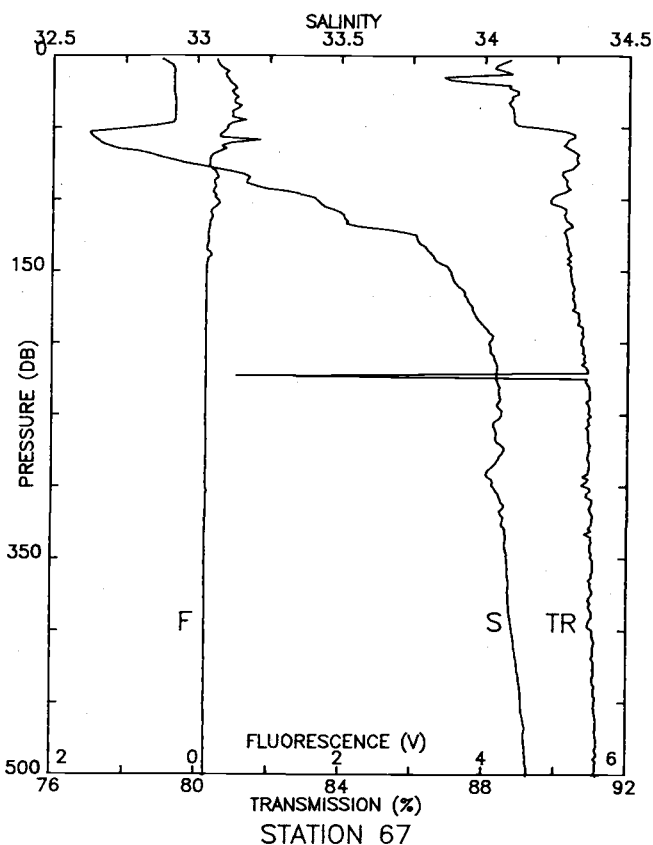
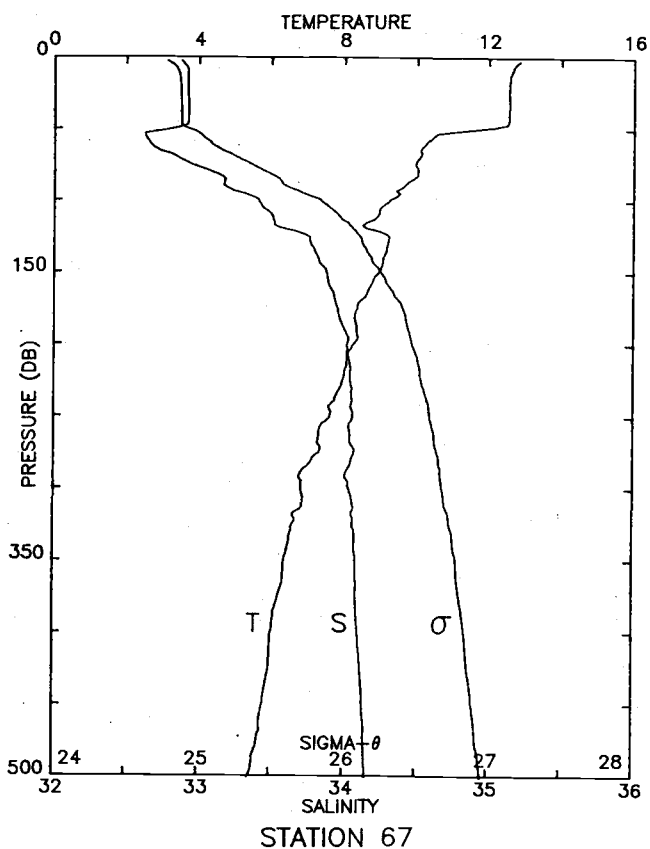
STA NO 65 LAT: 38 55.5 N LONG: 124 53.4 W
14 JUN 1987 1749 GMT PROBE 2561 DEPTH 3501M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	13.698	32.765	13.698	24.523	340.2	0.003	89.2	0.26
10	13.690	32.766	13.689	24.526	340.2	0.034	89.2	0.27
20	13.680	32.766	13.677	24.528	340.3	0.068	89.2	0.30
30	13.192	32.723	13.188	24.593	334.3	0.102	88.9	0.38
40	11.696	32.602	11.691	24.785	316.2	0.134	89.4	0.35
50	11.572	32.613	11.565	24.816	313.4	0.166	89.5	0.49
60	12.054	32.790	12.047	24.865	309.1	0.197	89.5	0.40
70	11.624	32.820	11.615	24.968	299.5	0.227	89.3	0.34
80	11.027	32.975	11.017	25.196	277.9	0.256	90.2	0.29
90	10.687	33.098	10.677	25.352	263.3	0.283	90.8	0.19
100	9.910	33.322	9.899	25.659	234.2	0.308	90.7	0.14
110	9.622	33.486	9.610	25.835	217.6	0.331	90.7	0.13
120	9.536	33.580	9.523	25.922	209.5	0.352	90.6	0.13
130	9.475	33.655	9.461	25.992	203.1	0.373	90.6	0.13
140	9.337	33.726	9.322	26.069	196.0	0.393	90.7	0.13
150	9.026	33.794	9.010	26.173	186.3	0.412	90.7	0.13
175	8.628	33.903	8.610	26.321	172.6	0.457	90.6	0.13
200	8.515	34.004	8.494	26.418	163.8	0.499	90.9	0.13
225	7.819	33.981	7.797	26.504	155.8	0.538	91.0	0.13
250	7.451	33.977	7.427	26.554	151.3	0.577	91.0	0.12
300	6.962	34.018	6.935	26.654	142.3	0.650	91.0	0.13
400	5.973	34.070	5.939	26.826	126.8	0.784	91.1	0.13
500	5.506	34.157	5.464	26.953	115.6	0.905	91.3	0.13
501	5.500	34.158	5.459	26.954	115.5	0.906	91.3	0.13



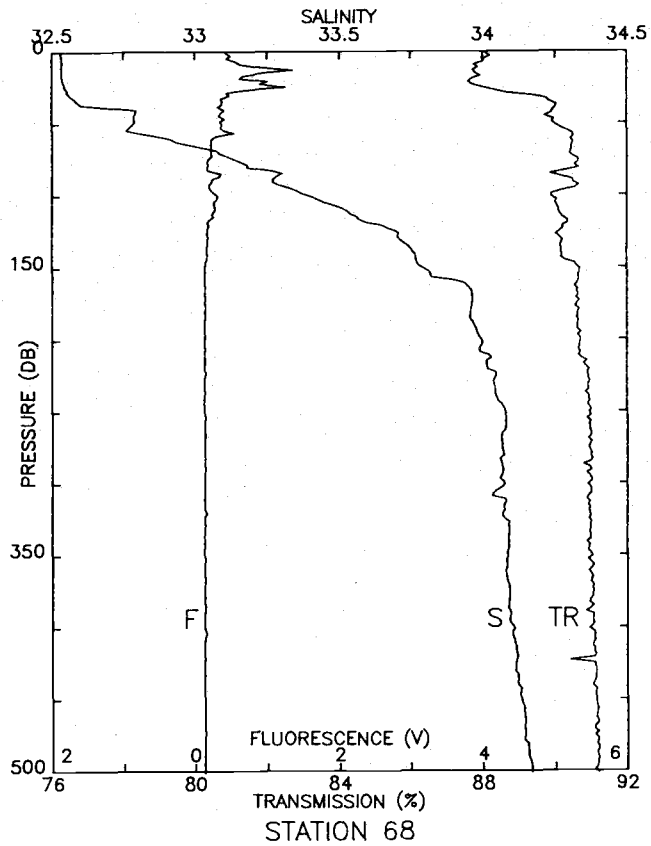
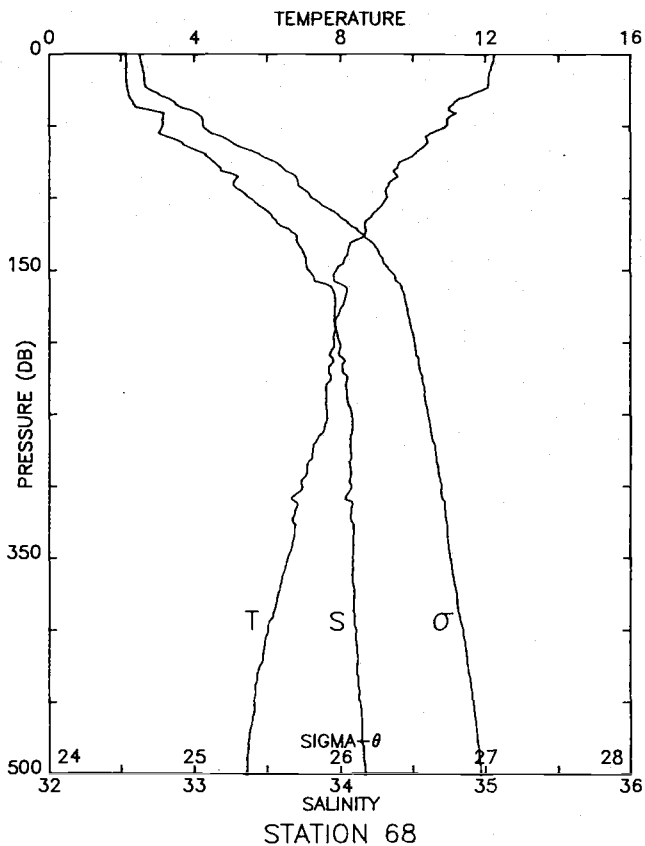
STA NO 66 LAT: 38 57.0 N LONG: 124 44.7 W
 14 JUN 1987 1900 GMT PROBE 2561 DEPTH 3481M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	13.667	32.759	13.667	24.525	340.1	0.010	89.3	0.23
10	13.653	32.759	13.652	24.528	340.0	0.034	89.2	0.32
20	13.271	32.719	13.268	24.574	335.9	0.068	89.1	0.34
30	11.941	32.651	11.937	24.777	316.7	0.100	89.1	0.45
40	11.606	32.658	11.601	24.844	310.5	0.132	89.6	0.36
50	11.961	32.883	11.955	24.954	300.4	0.162	89.4	0.34
60	11.642	32.900	11.635	25.027	293.7	0.192	89.2	0.43
70	11.550	32.949	11.541	25.082	288.6	0.221	89.4	0.51
80	11.007	33.047	10.998	25.256	272.2	0.249	90.0	0.40
90	10.422	33.174	10.411	25.457	253.2	0.276	90.6	0.17
100	9.922	33.401	9.911	25.719	228.5	0.300	90.7	0.14
110	9.591	33.542	9.579	25.884	213.0	0.322	90.5	0.13
120	9.474	33.643	9.460	25.982	203.9	0.343	90.5	0.14
130	9.504	33.754	9.489	26.064	196.3	0.363	90.6	0.13
140	9.308	33.816	9.292	26.145	188.8	0.382	90.6	0.13
150	9.015	33.832	8.999	26.204	183.3	0.401	90.7	0.13
175	8.500	33.943	8.482	26.372	167.7	0.444	90.9	0.13
200	8.140	33.982	8.120	26.457	160.0	0.485	90.9	0.12
225	7.646	33.967	7.624	26.518	154.4	0.524	90.9	0.12
250	7.268	33.990	7.244	26.589	147.8	0.562	91.0	0.12
300	6.729	33.987	6.701	26.661	141.5	0.635	91.1	0.13
400	5.809	34.043	5.775	26.824	126.8	0.768	91.1	0.13
500	5.265	34.129	5.224	26.959	114.7	0.888	91.2	0.14
501	5.270	34.131	5.230	26.960	114.7	0.889	91.3	0.14



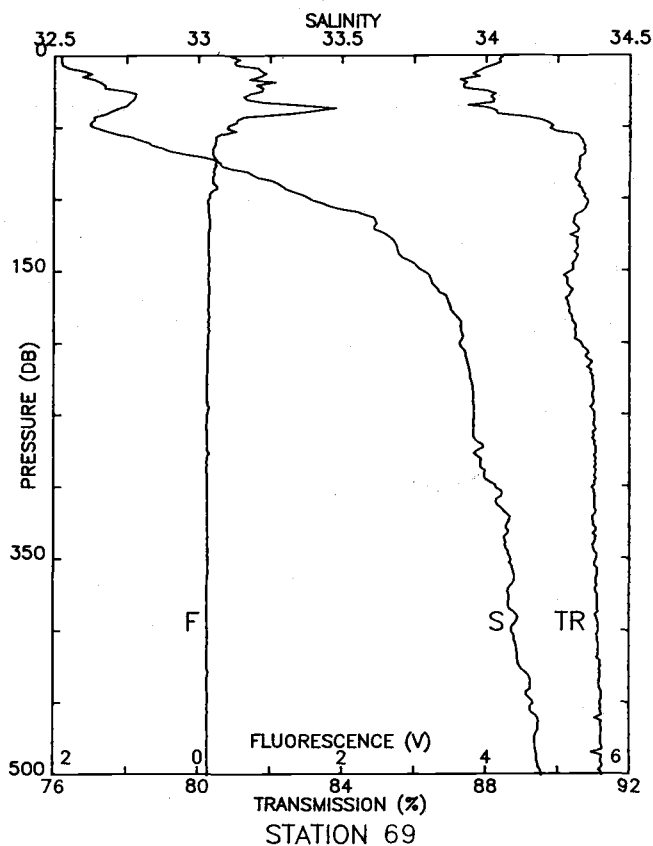
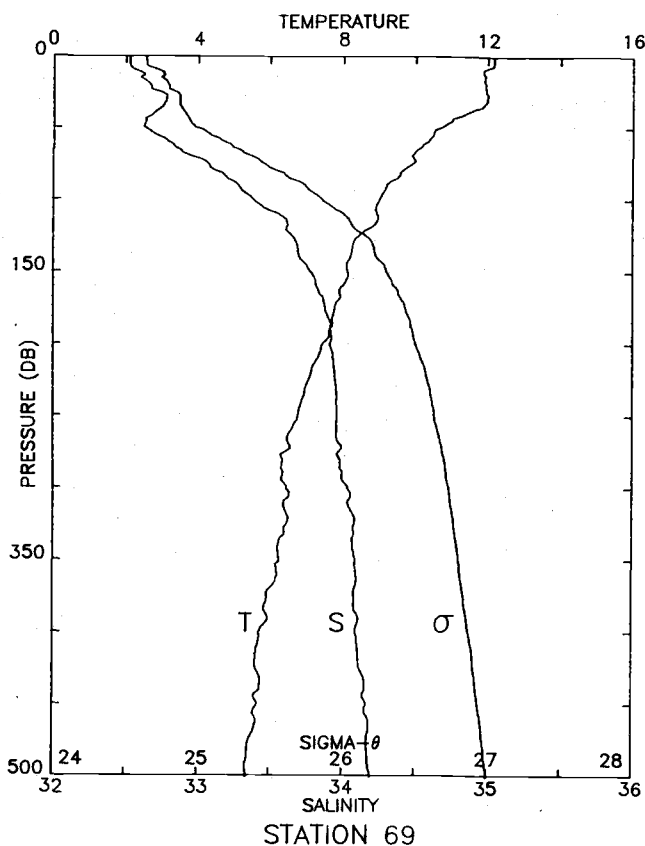
STA NO 67 LAT: 39 4.1 N LONG: 124 50.0 W
 14 JUN 1987 2052 GMT PROBE 2561 DEPTH 3291M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
3	12.839	32.875	12.838	24.780	315.8	0.009	88.7	0.26
10	12.628	32.919	12.627	24.854	308.9	0.031	88.4	0.39
20	12.552	32.918	12.550	24.868	307.8	0.062	88.2	0.49
30	12.550	32.923	12.546	24.873	307.6	0.093	88.7	0.54
40	12.540	32.923	12.535	24.875	307.7	0.124	88.8	0.48
50	11.734	32.803	11.728	24.933	302.3	0.154	89.3	0.42
60	10.249	32.661	10.242	25.086	287.8	0.184	90.3	0.66
70	10.061	32.857	10.053	25.271	270.5	0.212	90.6	0.19
80	10.024	33.096	10.015	25.463	252.4	0.238	90.3	0.22
90	9.623	33.187	9.613	25.601	239.5	0.262	90.3	0.25
100	9.232	33.414	9.221	25.841	216.7	0.285	89.8	0.27
110	8.917	33.504	8.906	25.962	205.4	0.306	90.2	0.20
120	8.775	33.613	8.763	26.069	195.4	0.326	90.4	0.17
130	9.198	33.773	9.184	26.129	190.1	0.345	90.3	0.16
140	9.072	33.823	9.057	26.188	184.6	0.364	90.4	0.18
150	8.949	33.882	8.934	26.253	178.6	0.382	90.4	0.13
175	8.361	33.959	8.343	26.405	164.5	0.425	90.5	0.13
200	8.251	34.020	8.230	26.470	158.8	0.466	90.7	0.13
225	7.954	34.044	7.931	26.534	153.1	0.504	90.9	0.14
250	7.618	34.061	7.593	26.596	147.4	0.542	91.0	0.13
300	6.836	34.032	6.809	26.682	139.6	0.613	90.8	0.13
400	6.032	34.104	5.998	26.845	125.1	0.745	91.1	0.13
500	5.427	34.156	5.386	26.961	114.8	0.865	91.2	0.13
501	5.412	34.156	5.371	26.963	114.6	0.866	91.2	0.13



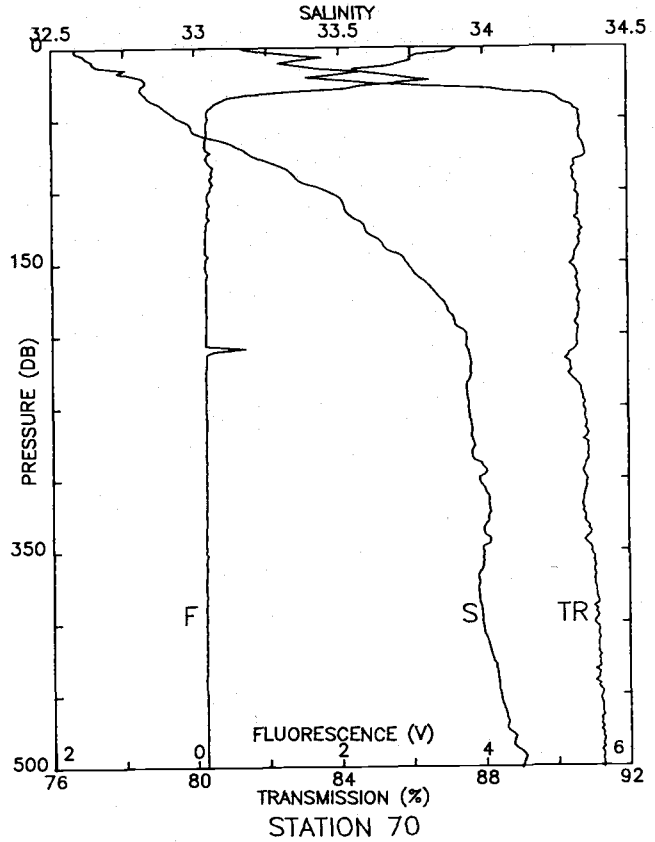
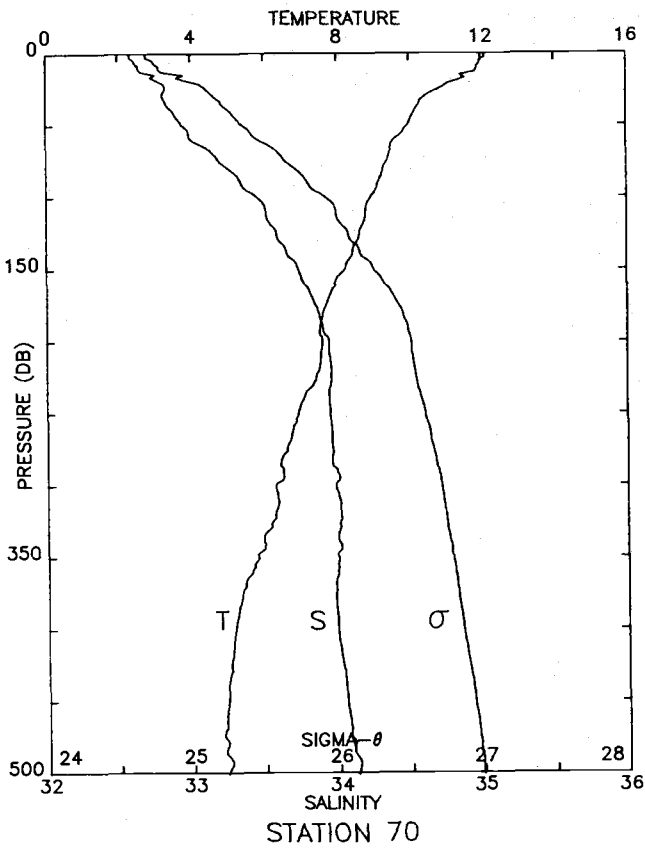
STA NO 68 LAT: 39 11.1 N LONG: 124 54.8 W
 14 JUN 1987 2209 GMT PROBE 2561 DEPTH 3109M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	12.239	32.531	12.239	24.627	330.3	0.003	88.1	0.44
10	12.148	32.534	12.146	24.648	328.5	0.033	87.8	0.77
20	12.080	32.538	12.078	24.663	327.3	0.066	87.6	0.81
30	11.413	32.560	11.409	24.803	314.2	0.098	89.1	0.46
40	11.095	32.748	11.090	25.007	295.0	0.129	90.0	0.37
50	10.913	32.786	10.907	25.068	289.4	0.158	90.0	0.37
60	10.389	32.890	10.383	25.240	273.2	0.186	90.5	0.27
70	10.004	33.082	9.996	25.455	252.9	0.212	90.4	0.23
80	9.491	33.182	9.482	25.618	237.5	0.237	90.6	0.18
90	9.323	33.269	9.314	25.713	228.7	0.260	90.5	0.24
100	9.254	33.386	9.243	25.816	219.1	0.282	89.9	0.31
110	8.915	33.517	8.903	25.973	204.4	0.303	90.1	0.28
120	8.674	33.623	8.662	26.093	193.1	0.323	90.3	0.19
130	8.334	33.708	8.321	26.212	181.9	0.342	90.2	0.18
140	8.150	33.762	8.136	26.282	175.5	0.360	90.2	0.17
150	7.872	33.790	7.857	26.344	169.6	0.377	90.6	0.14
175	8.022	33.962	8.004	26.458	159.3	0.418	90.6	0.14
200	7.816	33.994	7.796	26.514	154.4	0.457	90.7	0.14
225	7.744	34.048	7.722	26.567	149.8	0.495	90.9	0.15
250	7.635	34.078	7.611	26.607	146.4	0.532	91.0	0.13
300	6.949	34.073	6.921	26.700	138.0	0.603	91.0	0.14
400	6.022	34.107	5.987	26.849	124.6	0.736	91.0	0.13
500	5.438	34.170	5.397	26.971	113.9	0.855	91.2	0.14
501	5.435	34.170	5.393	26.971	113.8	0.856	91.2	0.14



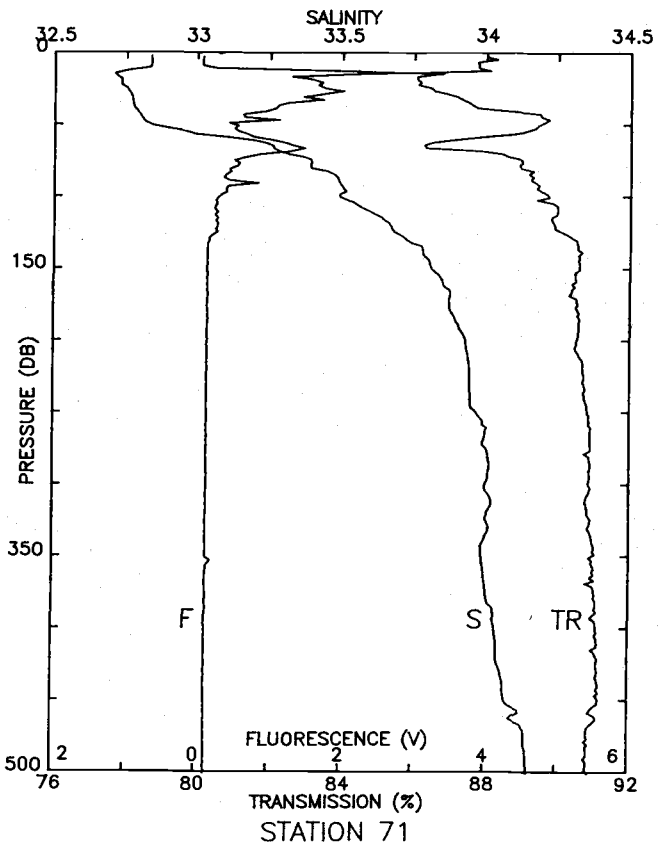
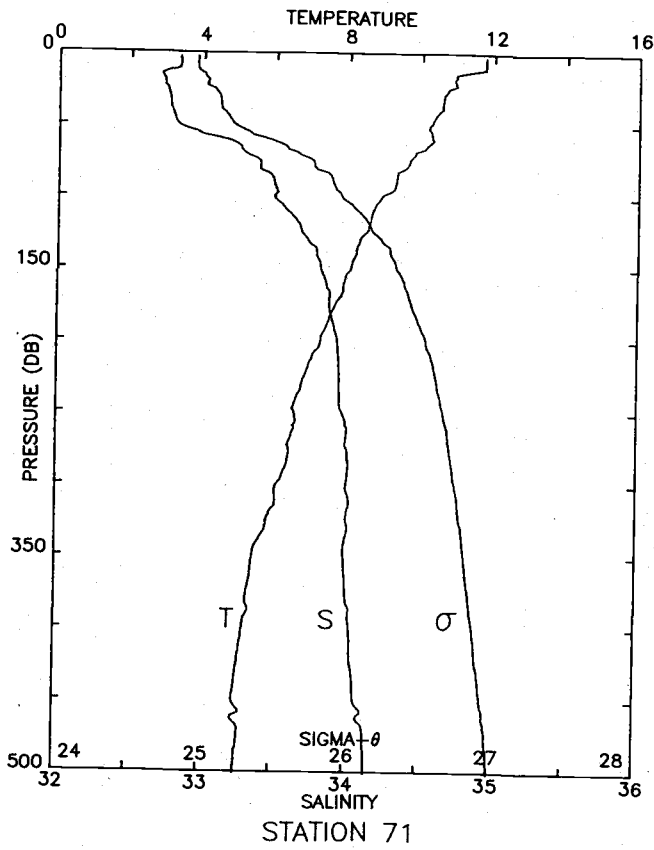
STA NO 69 LAT: 39 18.1 N LONG: 125 0.1 W
 14 JUN 1987 2320 GMT PROBE 2561 DEPTH 3030M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	12.160	32.525	12.160	24.638	329.3	0.003	88.5	0.45
10	11.864	32.576	11.863	24.733	320.4	0.033	87.9	0.86
20	11.920	32.667	11.917	24.794	314.9	0.065	87.4	0.93
30	11.965	32.777	11.961	24.871	307.8	0.096	88.2	0.65
40	11.364	32.686	11.359	24.911	304.2	0.126	88.3	1.43
50	10.619	32.638	10.613	25.005	295.4	0.156	89.8	0.41
60	10.271	32.808	10.264	25.197	277.3	0.185	90.7	0.24
70	9.933	32.983	9.925	25.390	259.1	0.212	90.6	0.21
80	9.623	33.144	9.614	25.567	242.5	0.237	90.6	0.23
90	9.202	33.285	9.192	25.745	225.7	0.260	90.6	0.24
100	9.001	33.391	8.990	25.860	214.9	0.282	90.8	0.16
110	8.938	33.566	8.926	26.008	201.1	0.303	90.6	0.16
120	8.697	33.613	8.684	26.082	194.2	0.323	90.6	0.17
130	8.272	33.685	8.259	26.203	182.8	0.342	90.5	0.15
140	8.185	33.707	8.171	26.233	180.1	0.360	90.6	0.16
150	8.121	33.782	8.106	26.302	173.7	0.378	90.4	0.16
175	7.761	33.878	7.744	26.430	161.9	0.419	90.3	0.15
200	7.432	33.911	7.413	26.504	155.2	0.459	90.6	0.14
225	7.058	33.948	7.038	26.585	147.7	0.497	91.0	0.13
250	6.768	33.959	6.745	26.634	143.4	0.533	91.0	0.13
300	6.463	34.034	6.436	26.734	134.5	0.602	91.0	0.13
400	5.711	34.091	5.678	26.874	122.0	0.731	91.1	0.14
500	5.363	34.195	5.322	27.000	111.0	0.847	91.2	0.14
501	5.364	34.197	5.323	27.001	111.0	0.848	91.2	0.14



STA NO 70 LAT: 39 25.2 N LONG: 125 5.1 W
 15 JUN 1987 0031 GMT PROBE 2561 DEPTH 3009M

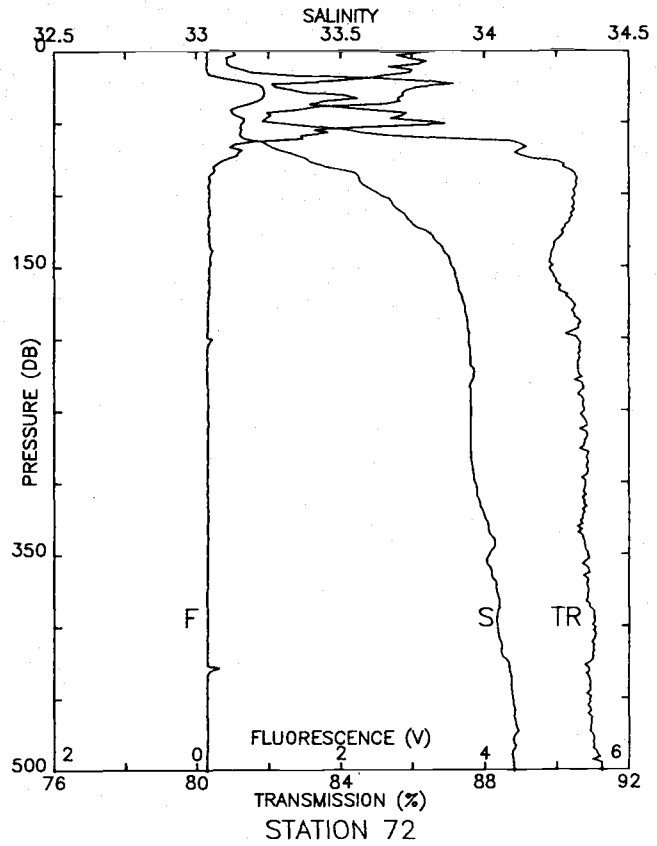
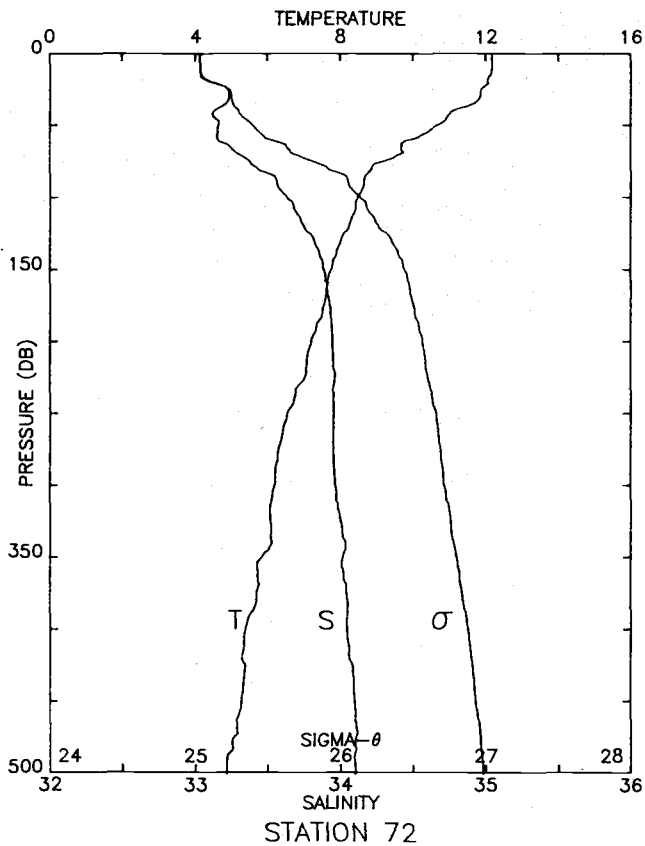
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	12.104	32.582	12.104	24.693	324.1	0.003	87.3	0.67
10	11.885	32.643	11.884	24.781	315.9	0.032	85.9	1.28
20	11.219	32.795	11.217	25.020	293.3	0.063	83.5	2.79
30	10.462	32.811	10.458	25.166	279.6	0.091	88.4	1.69
40	10.157	32.879	10.152	25.271	269.8	0.119	90.3	0.26
50	9.964	32.950	9.958	25.359	261.7	0.145	90.7	0.18
60	9.596	33.010	9.589	25.467	251.6	0.171	90.7	0.16
70	9.434	33.160	9.426	25.610	238.2	0.195	90.8	0.14
80	9.268	33.260	9.259	25.715	228.3	0.219	90.5	0.18
90	9.129	33.345	9.120	25.804	220.1	0.241	90.5	0.22
100	8.921	33.458	8.910	25.925	208.7	0.263	90.6	0.20
110	8.783	33.516	8.771	25.992	202.5	0.283	90.6	0.19
120	8.674	33.562	8.661	26.046	197.6	0.303	90.6	0.18
130	8.552	33.606	8.539	26.098	192.8	0.323	90.7	0.14
140	8.402	33.664	8.388	26.167	186.4	0.341	90.6	0.14
150	8.205	33.736	8.190	26.254	178.3	0.360	90.4	0.14
175	7.674	33.850	7.657	26.421	162.7	0.402	90.6	0.14
200	7.574	33.940	7.555	26.506	155.0	0.442	90.6	0.14
225	7.409	33.953	7.387	26.540	152.1	0.480	90.4	0.14
250	6.913	33.947	6.890	26.604	146.2	0.517	90.8	0.15
300	6.287	33.982	6.260	26.715	136.1	0.588	90.8	0.14
400	5.147	33.990	5.115	26.861	122.6	0.717	91.0	0.13
500	4.929	34.125	4.890	26.994	111.0	0.833	91.3	0.14
501	4.911	34.124	4.872	26.995	110.9	0.834	91.3	0.13



STA NO 71 LAT: 39 32.1 N LONG: 125 10.1 W
 15 JUN 1987 0152 GMT PROBE 2561 DEPTH 3296M

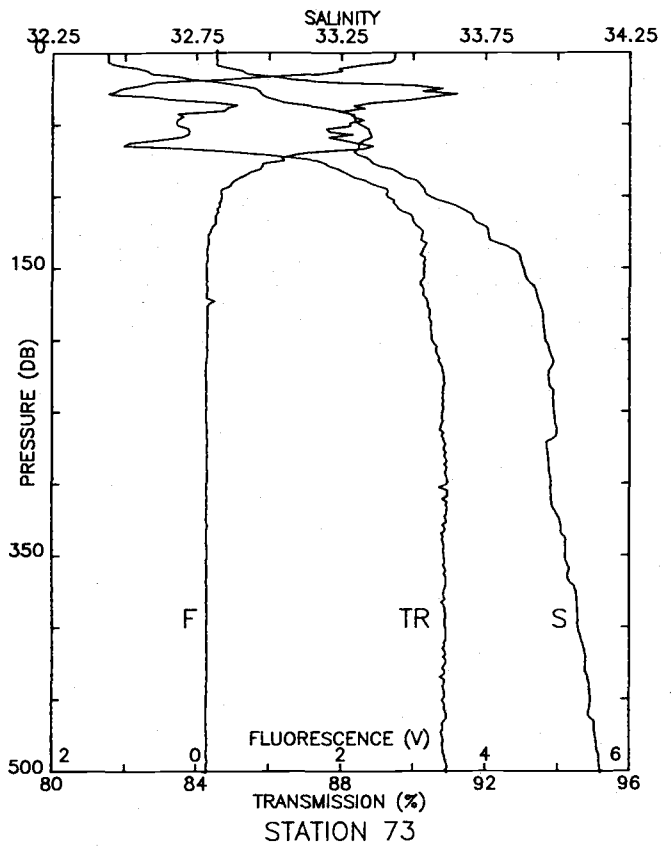
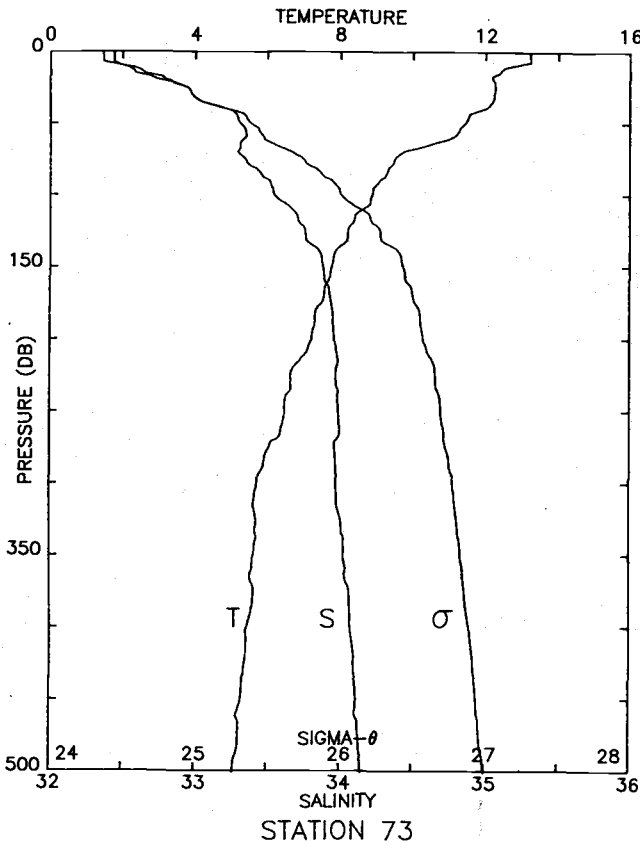
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
3	11.753	32.834	11.753	24.954	299.2	0.009	80.2	4.00
10	11.748	32.833	11.746	24.954	299.4	0.030	80.3	3.89
20	10.900	32.732	10.897	25.028	292.5	0.059	86.1	1.66
30	10.596	32.766	10.592	25.108	285.1	0.088	87.0	1.59
40	10.514	32.782	10.509	25.135	282.8	0.117	88.2	1.01
50	10.234	32.828	10.228	25.218	275.0	0.145	89.5	0.50
60	10.304	33.144	10.297	25.454	252.9	0.171	87.6	0.91
70	9.809	33.299	9.801	25.657	233.7	0.196	88.1	1.06
80	9.561	33.392	9.552	25.771	223.1	0.218	88.9	0.50
90	9.292	33.490	9.282	25.891	211.9	0.240	89.3	0.65
100	8.912	33.492	8.901	25.953	206.0	0.261	89.7	0.31
110	8.664	33.586	8.652	26.066	195.5	0.281	90.0	0.27
120	8.552	33.667	8.540	26.146	188.0	0.300	89.9	0.28
130	8.304	33.722	8.291	26.227	180.5	0.318	90.5	0.17
140	8.194	33.783	8.180	26.291	174.5	0.336	90.6	0.14
150	8.055	33.811	8.040	26.335	170.6	0.353	90.6	0.14
175	7.649	33.875	7.632	26.444	160.5	0.394	90.6	0.15
200	7.261	33.932	7.242	26.544	151.3	0.433	90.5	0.15
225	6.828	33.946	6.808	26.615	144.8	0.470	90.7	0.14
250	6.562	33.968	6.540	26.668	140.0	0.506	90.8	0.15
300	6.104	34.002	6.078	26.754	132.3	0.574	90.9	0.15
400	5.220	34.038	5.188	26.891	119.9	0.700	91.1	0.14
500	5.030	34.152	4.990	27.004	110.2	0.815	90.9	0.14
501	5.029	34.152	4.990	27.004	110.2	0.816	90.9	0.14

12 MIN GAP AT 100 DB



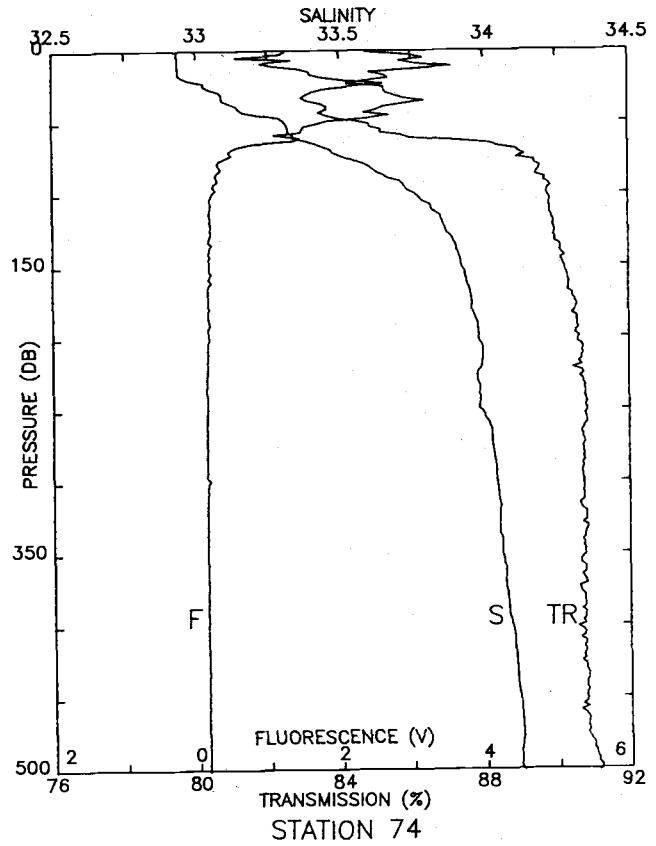
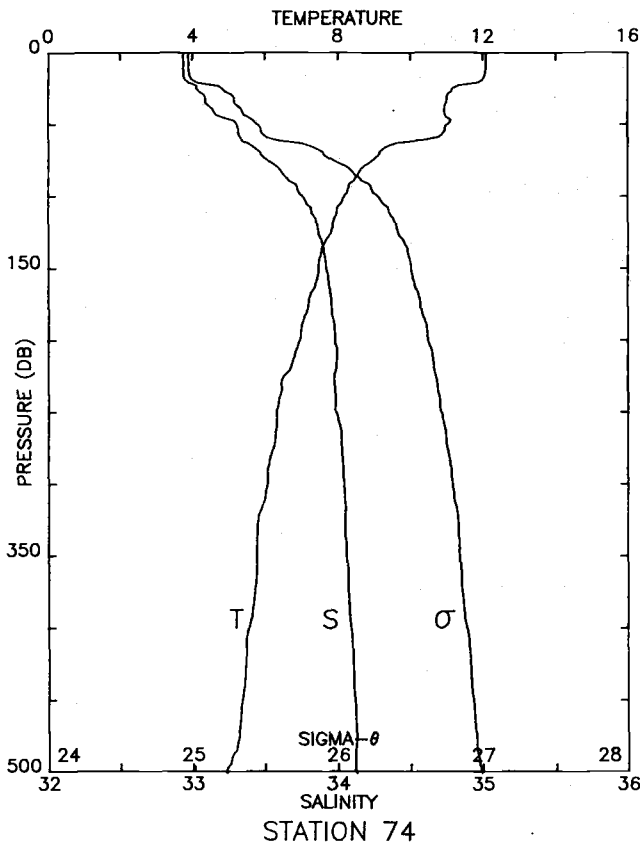
STA NO 72 LAT: 39 39.0 N LONG: 125 15.0 W
15 JUN 1987 0303 GMT PROBE 2561 DEPTH 3197M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	12.171	33.036	12.171	25.032	291.8	0.003	81.0	3.13
10	12.161	33.033	12.160	25.032	292.0	0.029	80.9	2.87
20	12.046	33.118	12.044	25.120	283.8	0.058	85.7	2.14
30	11.839	33.234	11.835	25.249	271.8	0.086	85.7	1.78
40	11.120	33.132	11.115	25.301	267.1	0.113	83.0	2.11
50	10.688	33.159	10.682	25.399	258.0	0.139	82.2	3.34
60	9.928	33.158	9.921	25.527	245.9	0.164	86.1	1.46
70	9.634	33.307	9.626	25.693	230.3	0.188	88.9	0.61
80	8.851	33.435	8.842	25.918	209.0	0.210	90.2	0.26
90	8.632	33.566	8.623	26.054	196.2	0.230	90.6	0.18
100	8.465	33.637	8.455	26.136	188.6	0.249	90.5	0.17
110	8.380	33.698	8.369	26.197	183.0	0.268	90.5	0.18
120	8.227	33.751	8.215	26.261	177.0	0.286	90.3	0.16
130	8.005	33.824	7.992	26.352	168.6	0.303	90.1	0.18
140	7.875	33.862	7.861	26.401	164.1	0.319	89.9	0.21
150	7.746	33.889	7.732	26.441	160.4	0.336	89.9	0.18
175	7.530	33.928	7.513	26.503	154.9	0.375	90.5	0.15
200	7.191	33.946	7.172	26.565	149.3	0.413	90.6	0.18
225	7.018	33.963	6.998	26.603	146.0	0.450	90.6	0.14
250	6.533	33.951	6.511	26.659	140.9	0.486	90.8	0.15
300	6.195	33.967	6.169	26.715	136.0	0.555	90.8	0.15
400	5.366	34.044	5.333	26.879	121.2	0.684	91.0	0.15
500	4.851	34.103	4.812	26.985	111.8	0.800	91.3	0.14
501	4.851	34.103	4.812	26.985	111.8	0.801	91.3	0.14



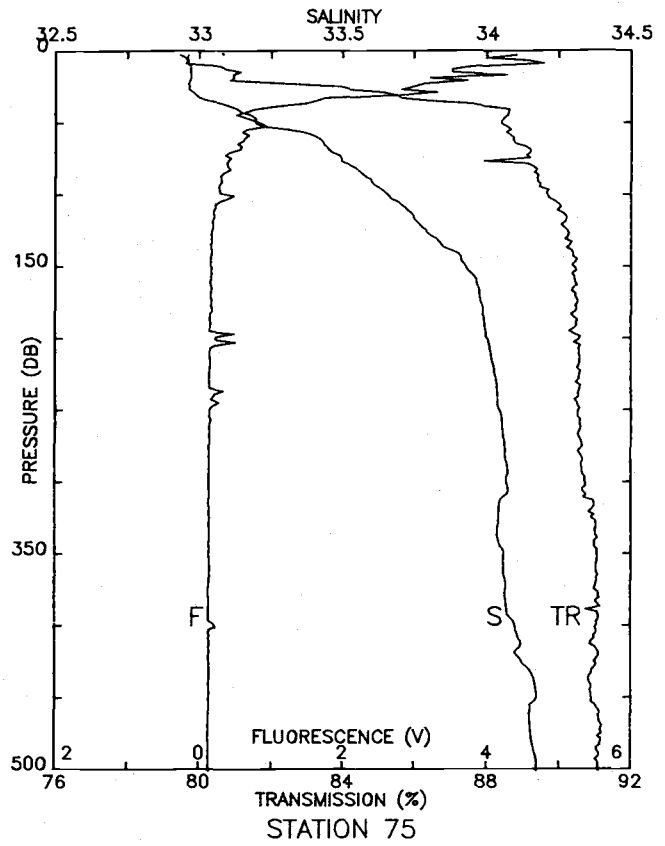
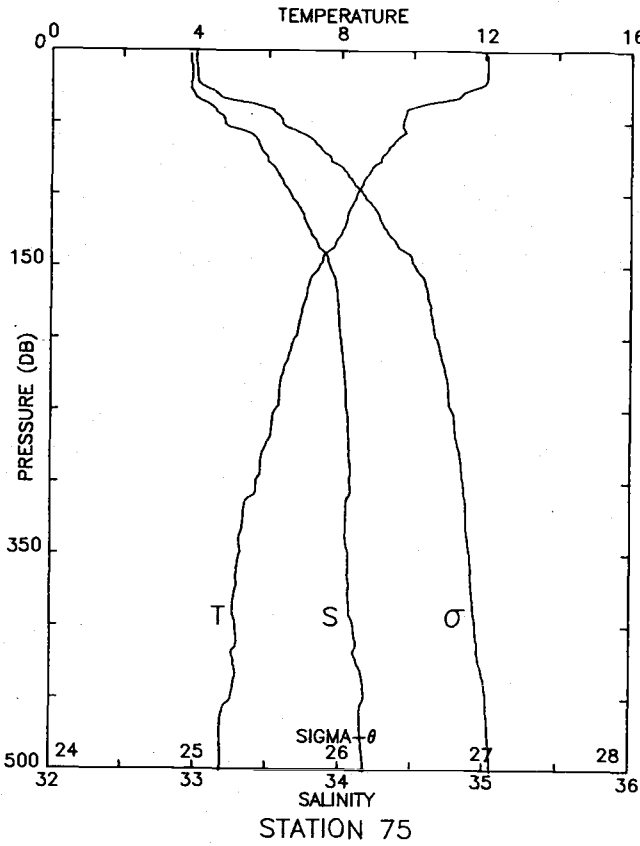
STA NO 73 LAT: 39 45.9 N LONG: 125 20.0 W
 15 JUN 1987 0429 GMT PROBE 2561 DEPTH 3304M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	13.219	32.440	13.219	24.368	355.0	0.004	89.5	0.28
10	12.676	32.511	12.675	24.529	339.9	0.035	88.2	0.36
20	12.216	32.778	12.214	24.824	312.0	0.068	83.8	1.65
30	12.227	32.981	12.223	24.980	297.4	0.098	82.1	3.44
40	11.906	33.232	11.901	25.235	273.4	0.127	84.8	2.14
50	11.418	33.317	11.412	25.392	258.7	0.153	83.5	2.12
60	11.039	33.341	11.032	25.479	250.6	0.179	83.3	1.93
70	9.708	33.302	9.700	25.676	231.9	0.203	85.4	1.48
80	9.365	33.405	9.356	25.813	219.0	0.225	87.8	0.89
90	9.066	33.517	9.056	25.949	206.3	0.247	88.7	0.50
100	8.859	33.555	8.849	26.010	200.6	0.267	89.3	0.35
110	8.588	33.676	8.576	26.147	187.8	0.286	89.6	0.29
120	8.295	33.732	8.283	26.237	179.4	0.305	90.1	0.25
130	8.180	33.764	8.167	26.279	175.6	0.322	90.2	0.17
140	7.828	33.863	7.815	26.408	163.4	0.339	90.2	0.15
150	7.743	33.881	7.728	26.435	161.0	0.356	90.3	0.14
175	7.477	33.940	7.460	26.520	153.3	0.395	90.4	0.18
200	7.206	33.959	7.188	26.573	148.6	0.432	90.5	0.15
225	6.635	33.969	6.615	26.659	140.5	0.468	90.9	0.13
250	6.471	33.988	6.449	26.696	137.3	0.503	90.8	0.14
300	5.726	33.976	5.701	26.781	129.5	0.570	90.9	0.15
400	5.445	34.072	5.412	26.891	120.1	0.695	90.9	0.14
500	5.073	34.149	5.033	26.997	111.0	0.810	90.9	0.14
501	5.071	34.150	5.031	26.998	110.9	0.811	90.9	0.14



STA NO 74 LAT: 39 53.0 N LONG: 125 29.0 W
15 JUN 1987 0601 GMT PROBE 2561 DEPTH 3002M

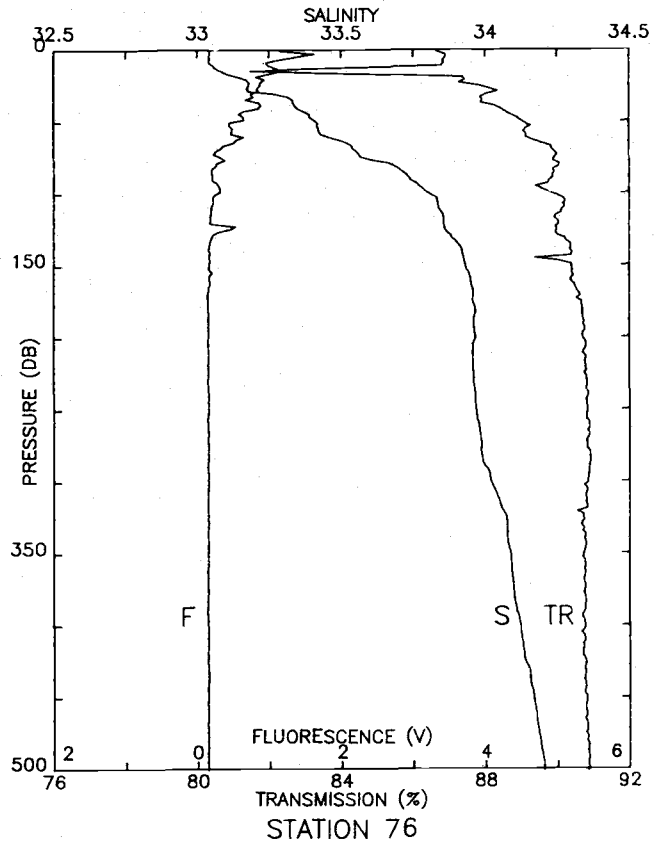
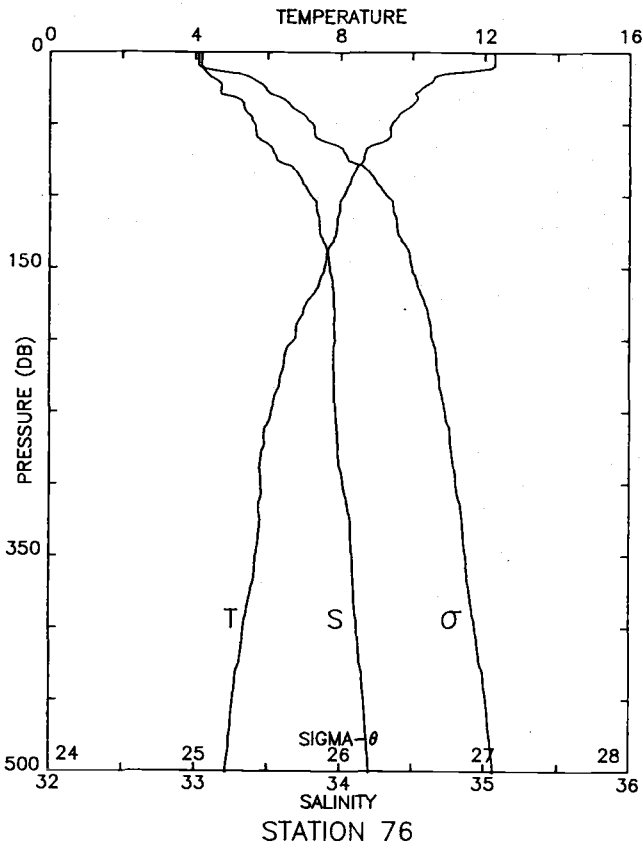
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	12.089	32.936	12.089	24.970	297.7	0.003	82.5	2.38
10	12.087	32.935	12.086	24.970	297.9	0.030	81.9	3.31
20	11.933	32.961	11.931	25.019	293.4	0.059	83.9	2.50
30	11.019	33.086	11.015	25.283	268.5	0.087	83.1	2.71
40	10.942	33.147	10.937	25.344	262.9	0.114	83.7	2.57
50	11.044	33.310	11.037	25.453	252.8	0.140	84.6	1.76
60	10.606	33.341	10.599	25.555	243.4	0.165	85.9	1.27
70	9.143	33.472	9.136	25.901	210.5	0.187	88.9	0.47
80	8.678	33.596	8.670	26.070	194.5	0.207	89.5	0.30
90	8.381	33.690	8.372	26.190	183.3	0.226	89.7	0.29
100	8.168	33.764	8.158	26.280	174.9	0.244	89.7	0.21
110	7.974	33.821	7.964	26.354	168.0	0.261	89.8	0.19
120	7.850	33.860	7.839	26.402	163.6	0.278	89.9	0.19
130	7.671	33.888	7.659	26.450	159.2	0.294	89.9	0.18
140	7.528	33.908	7.515	26.487	155.8	0.310	90.1	0.17
150	7.470	33.922	7.456	26.507	154.1	0.325	90.2	0.17
175	7.205	33.959	7.188	26.573	148.2	0.363	90.5	0.16
200	6.958	33.979	6.939	26.623	143.7	0.399	90.6	0.17
225	6.517	33.975	6.498	26.679	138.6	0.434	90.7	0.15
250	6.313	33.986	6.292	26.715	135.5	0.469	90.8	0.14
300	5.560	34.041	6.034	26.791	128.8	0.534	90.7	0.16
400	5.548	34.092	5.515	26.895	119.9	0.659	90.6	0.13
500	4.939	34.124	4.900	26.992	111.2	0.775	91.1	0.13
501	4.946	34.128	4.906	26.995	111.0	0.776	91.1	0.14



STA NO 75 LAT: 40 0.0 N LONG: 125 30.0 W
 15 JUN 1987 0719 GMT PROBE 2561 DEPTH 2957M

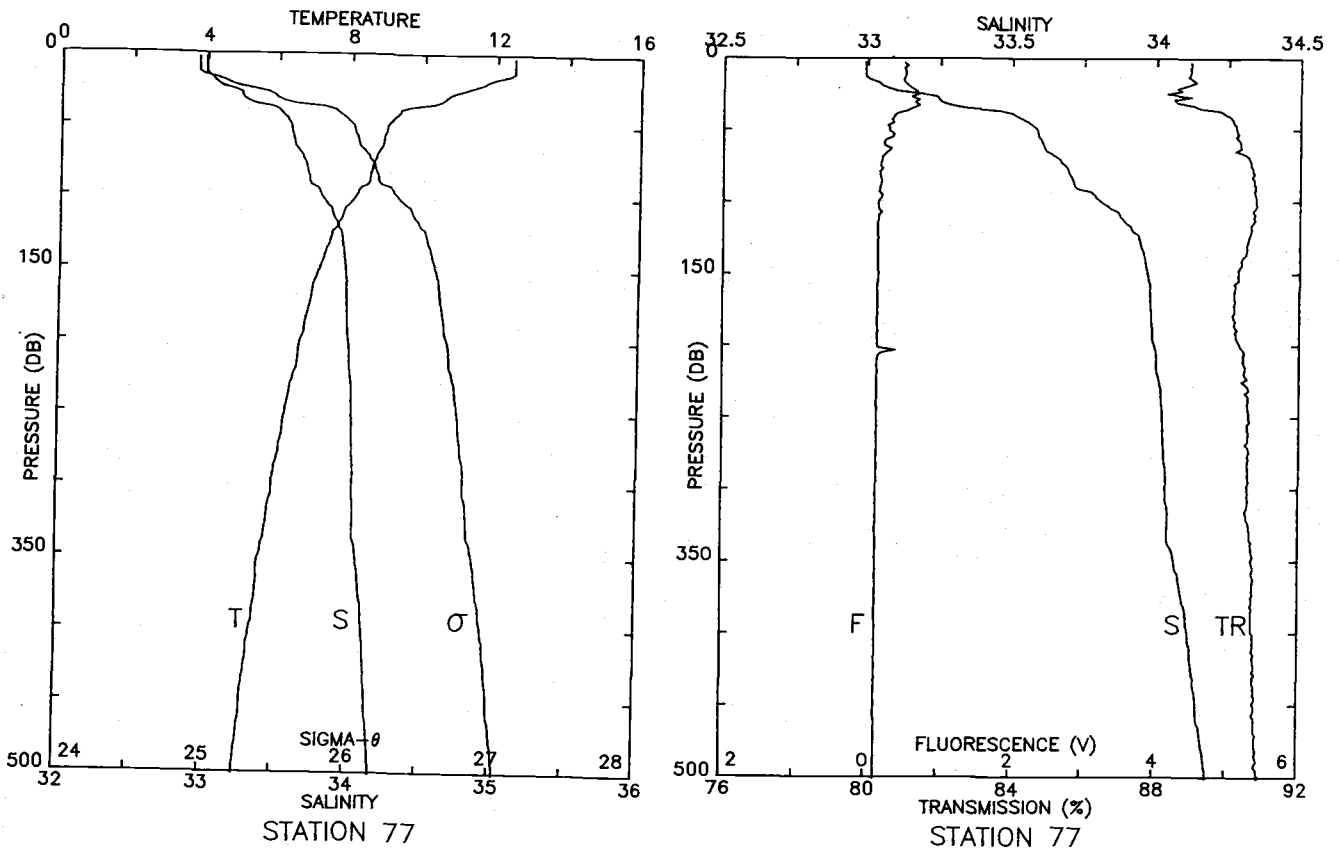
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		THETA					
3	12.045	32.960	12.045	24.997	295.1	0.009	79.5	4.41
10	12.047	32.965	12.046	25.001	294.9	0.030	80.1	4.29
20	12.022	32.969	12.020	25.009	294.4	0.059	80.9	3.47
30	11.349	32.983	11.345	25.144	281.8	0.088	85.4	3.06
40	9.937	33.119	9.932	25.495	248.5	0.115	88.3	0.93
50	9.694	33.196	9.688	25.596	239.1	0.139	88.4	0.82
60	9.592	33.407	9.585	25.777	222.1	0.162	88.7	0.66
70	9.249	33.458	9.242	25.873	213.2	0.184	89.2	0.49
80	8.884	33.531	8.876	25.988	202.4	0.205	89.2	0.39
90	8.631	33.600	8.621	26.081	193.6	0.224	89.4	0.31
100	8.428	33.660	8.418	26.159	186.4	0.243	89.7	0.39
110	8.240	33.724	8.229	26.238	179.1	0.262	90.0	0.22
120	8.131	33.765	8.119	26.286	174.6	0.279	90.1	0.19
130	7.938	33.817	7.925	26.356	168.2	0.297	90.2	0.17
140	7.622	33.887	7.609	26.457	158.7	0.313	90.4	0.18
150	7.411	33.926	7.397	26.518	153.0	0.329	90.4	0.16
175	7.007	33.980	6.991	26.617	143.9	0.365	90.5	0.17
200	6.767	34.002	6.749	26.667	139.5	0.401	90.6	0.23
225	6.428	34.029	6.409	26.733	133.4	0.435	90.6	0.14
250	6.221	34.044	6.199	26.772	129.9	0.468	90.6	0.15
300	5.696	34.069	5.671	26.858	122.2	0.531	90.7	0.14
400	5.149	34.099	5.117	26.948	114.5	0.649	91.0	0.22
500	4.735	34.174	4.696	27.054	105.1	0.758	91.1	0.14
501	4.731	34.174	4.693	27.055	105.1	0.759	91.1	0.14

2 MIN GAP AT 327 DB



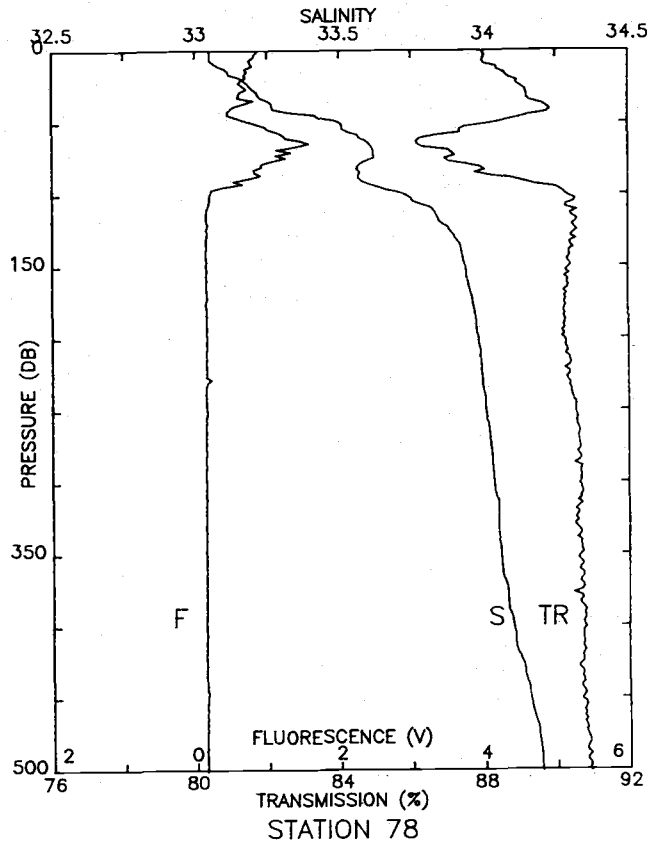
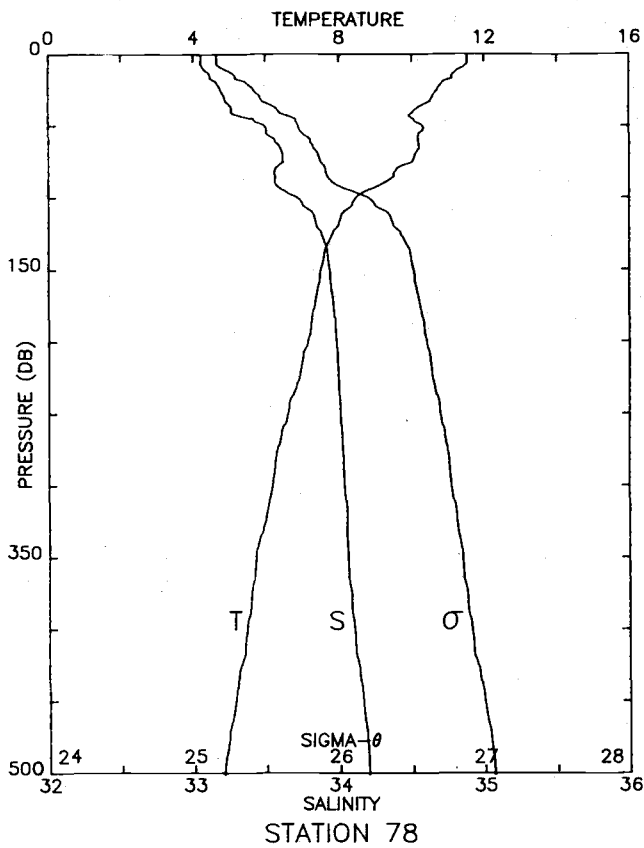
STA NO 76 LAT: 40 7.5 N LONG: 125 30.0 W
 15 JUN 1987 0834 GMT PROBE 2561 DEPTH 2495M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	12.257	33.043	12.257	25.021	292.8	0.003	86.6	1.15
10	12.216	33.048	12.215	25.033	291.9	0.029	86.8	0.97
20	10.545	33.156	10.542	25.421	255.2	0.056	87.4	0.87
30	10.099	33.223	10.095	25.549	243.2	0.081	88.2	0.79
40	9.810	33.344	9.806	25.692	229.8	0.105	88.3	0.87
50	9.417	33.413	9.412	25.810	218.8	0.127	89.0	0.55
60	9.337	33.443	9.331	25.847	215.5	0.149	89.1	0.56
70	8.685	33.547	8.678	26.031	198.0	0.169	89.9	0.29
80	8.463	33.675	8.454	26.166	185.5	0.189	90.1	0.26
90	8.257	33.738	8.248	26.246	178.0	0.207	89.8	0.21
100	8.064	33.802	8.054	26.325	170.6	0.224	89.9	0.28
110	7.964	33.838	7.953	26.368	166.7	0.241	90.2	0.19
120	7.897	33.855	7.886	26.391	164.6	0.258	90.0	0.18
130	7.806	33.880	7.793	26.425	161.6	0.274	90.1	0.20
140	7.612	33.918	7.598	26.483	156.3	0.290	90.4	0.16
150	7.550	33.929	7.535	26.500	154.7	0.305	90.4	0.16
175	7.047	33.954	7.031	26.591	146.4	0.343	90.7	0.14
200	6.726	33.965	6.708	26.643	141.7	0.379	90.7	0.15
225	6.350	33.958	6.330	26.687	137.7	0.414	90.7	0.15
250	6.091	33.967	6.069	26.727	134.1	0.448	90.8	0.15
300	5.814	34.018	5.789	26.803	127.5	0.513	90.8	0.15
400	5.343	34.120	5.311	26.942	115.2	0.634	90.8	0.15
500	4.855	34.204	4.816	27.065	104.3	0.744	90.9	0.15
501	4.854	34.204	4.815	27.065	104.3	0.745	90.9	0.15



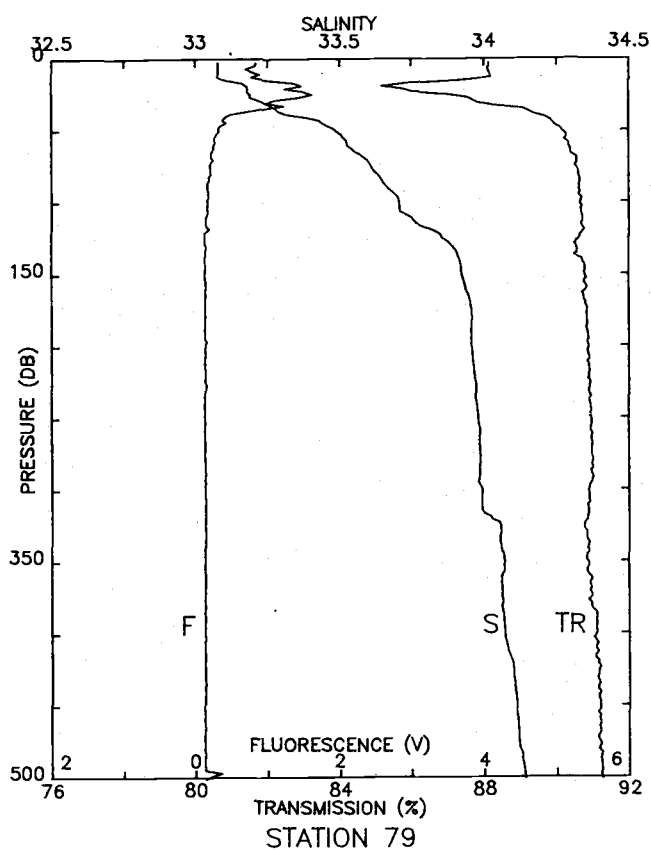
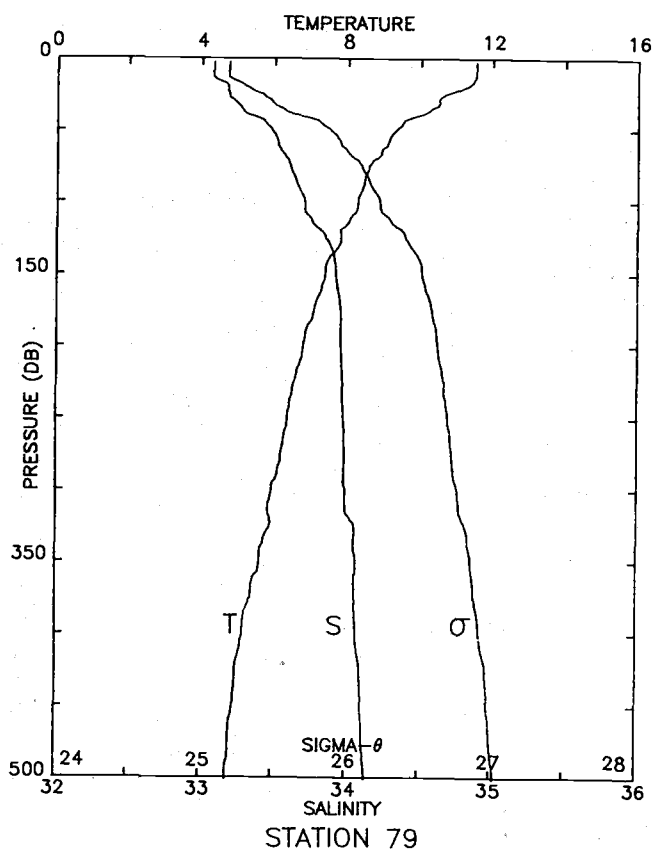
STA NO 77 LAT: 40 15.0 N LONG: 125 30.0 W
 15 JUN 1987 0942 GMT PROBE 2561 DEPTH 2270M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
3	12.463	32.990	12.462	24.941	300.5	0.009	88.9	0.50
10	12.464	32.990	12.463	24.941	300.6	0.030	88.9	0.52
20	11.674	33.060	11.671	25.144	281.6	0.059	88.7	0.58
30	10.625	33.252	10.622	25.481	249.7	0.086	88.5	0.68
40	9.334	33.509	9.330	25.899	210.1	0.109	90.0	0.38
50	8.998	33.587	8.993	26.013	199.4	0.129	90.2	0.30
60	8.885	33.609	8.879	26.048	196.3	0.149	90.3	0.23
70	8.709	33.662	8.701	26.117	189.9	0.169	90.6	0.21
80	8.572	33.700	8.564	26.168	185.2	0.187	90.7	0.18
90	8.477	33.724	8.468	26.202	182.2	0.206	90.7	0.18
100	8.107	33.810	8.097	26.325	170.6	0.223	90.8	0.16
110	7.807	33.876	7.797	26.421	161.6	0.240	90.7	0.16
120	7.626	33.918	7.615	26.481	156.1	0.256	90.6	0.15
130	7.429	33.948	7.416	26.532	151.3	0.271	90.5	0.15
140	7.288	33.961	7.275	26.563	148.6	0.286	90.4	0.15
150	7.149	33.971	7.135	26.590	146.1	0.301	90.3	0.16
175	6.900	33.985	6.884	26.635	142.1	0.337	90.2	0.15
200	6.652	33.997	6.634	26.679	138.3	0.372	90.3	0.16
225	6.461	34.015	6.441	26.718	134.9	0.406	90.4	0.15
250	6.257	34.026	6.235	26.753	131.8	0.439	90.6	0.14
300	5.940	34.039	5.914	26.805	127.4	0.504	90.6	0.14
400	5.361	34.119	5.329	26.939	115.6	0.626	90.7	0.14
500	4.962	34.185	4.922	27.038	107.0	0.737	90.9	0.14
501	4.962	34.184	4.922	27.038	107.0	0.738	90.9	0.14



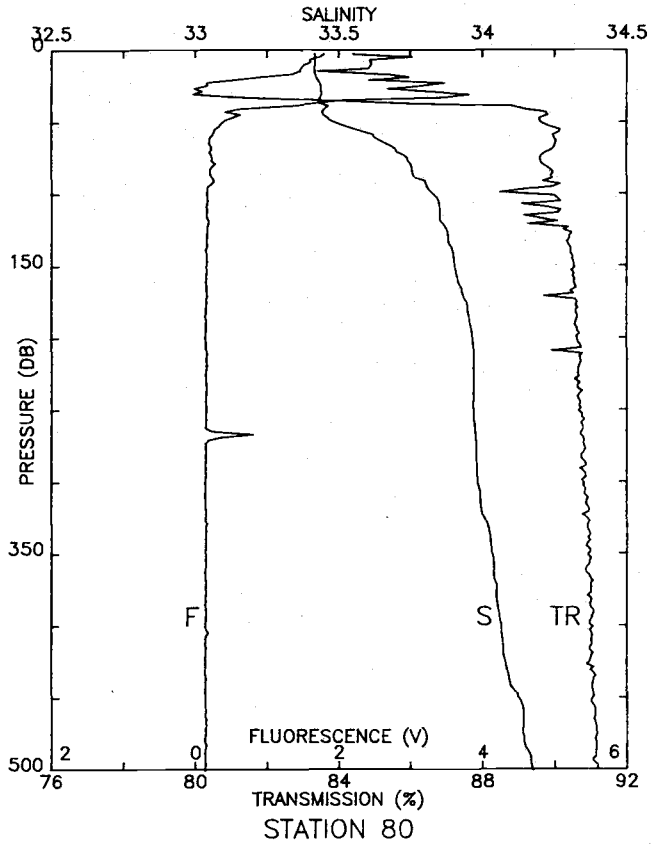
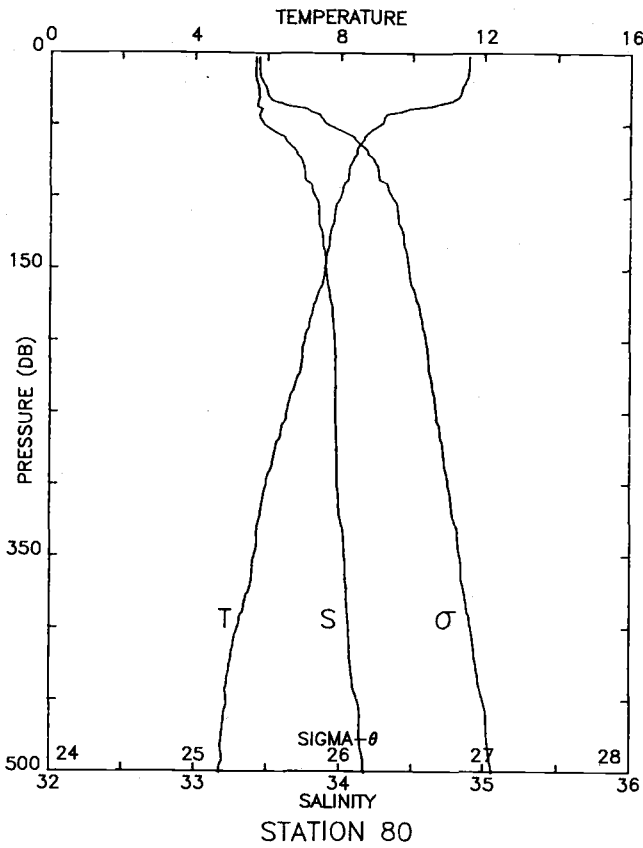
STA NO 78 LAT: 40 22.6 N LONG: 125 30.2 W
15 JUN 1987 1053 GMT PROBE 2561 DEPTH 1457M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	11.544	33.052	11.544	25.161	279.5	0.003	88.0	0.86
10	11.363	33.071	11.362	25.209	275.1	0.028	88.2	0.78
20	10.840	33.163	10.838	25.374	259.6	0.055	88.8	0.67
30	10.556	33.217	10.552	25.466	251.1	0.080	89.2	0.62
40	10.039	33.269	10.034	25.595	239.0	0.105	89.8	0.52
50	10.308	33.497	10.303	25.728	226.7	0.128	88.3	0.77
60	10.169	33.566	10.163	25.805	219.5	0.150	86.5	1.24
70	10.076	33.618	10.068	25.861	214.4	0.172	87.1	1.23
80	9.558	33.567	9.549	25.908	210.1	0.193	87.7	0.92
90	9.165	33.570	9.156	25.974	203.9	0.214	88.9	0.64
100	8.438	33.725	8.428	26.209	181.7	0.233	90.3	0.20
110	8.098	33.822	8.087	26.336	169.8	0.251	90.4	0.16
120	7.943	33.854	7.931	26.384	165.3	0.268	90.5	0.16
130	7.722	33.900	7.710	26.453	158.9	0.284	90.5	0.15
140	7.583	33.925	7.569	26.492	155.3	0.299	90.4	0.14
150	7.497	33.937	7.482	26.514	153.4	0.315	90.4	0.15
175	7.335	33.963	7.319	26.558	149.6	0.353	90.2	0.15
200	7.134	33.981	7.116	26.601	145.9	0.390	90.2	0.15
225	6.907	33.993	6.886	26.641	142.3	0.426	90.4	0.15
250	6.593	34.007	6.571	26.694	137.5	0.461	90.6	0.16
300	6.175	34.035	6.149	26.771	130.7	0.527	90.7	0.15
400	5.455	34.101	5.422	26.913	118.1	0.651	90.8	0.14
500	4.813	34.198	4.774	27.065	104.2	0.762	90.9	0.14
501	4.813	34.199	4.774	27.066	104.2	0.763	90.9	0.14



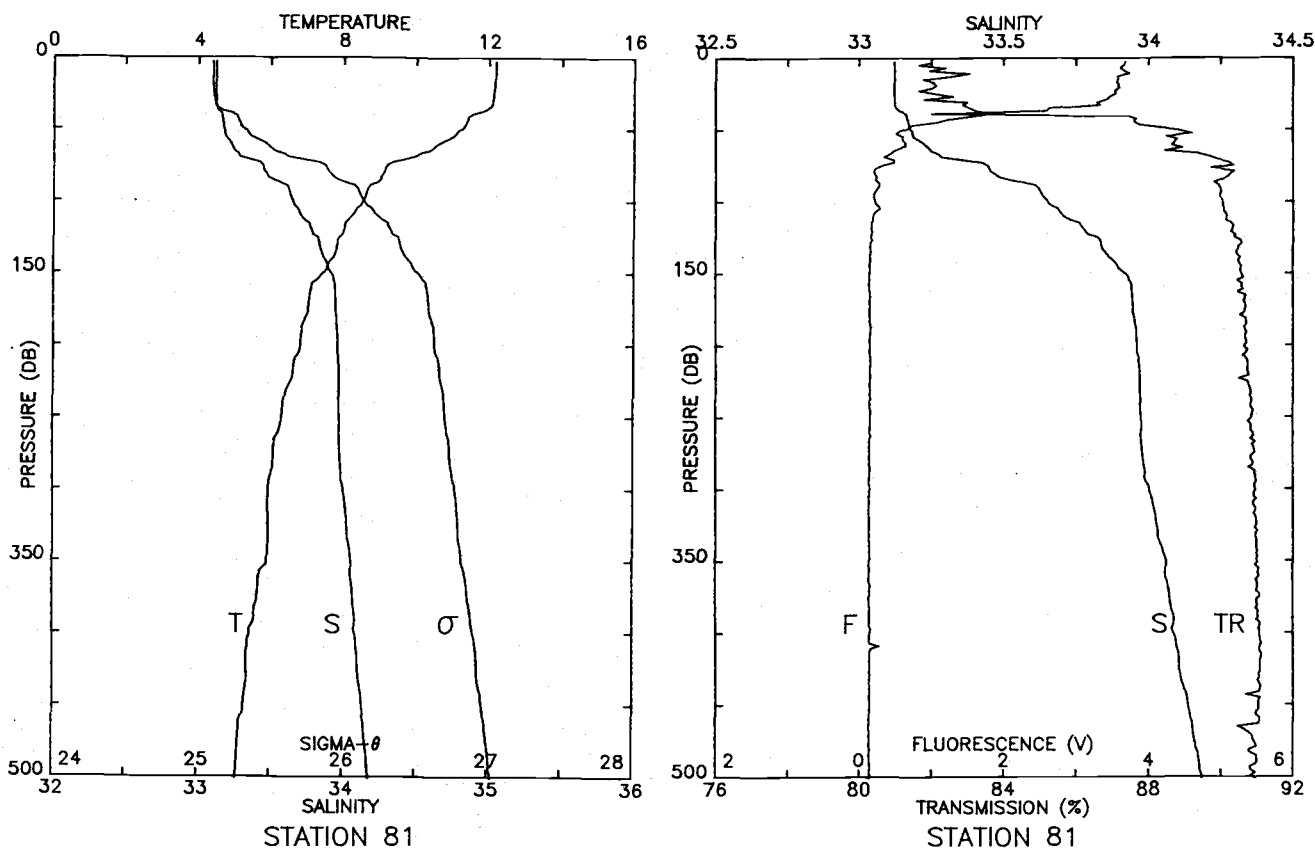
STA NO 79 LAT: 40 30.1 N LONG: 125 30.0 W
15 JUN 1987 1205 GMT PROBE 2561 DEPTH 2837M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
3	11.534	33.079	11.533	25.185	277.3	0.008	88.1	0.84
10	11.543	33.079	11.542	25.183	277.6	0.028	88.1	0.84
20	11.244	33.182	11.241	25.318	265.0	0.055	85.5	1.36
30	10.509	33.232	10.506	25.486	249.2	0.081	87.8	1.03
40	9.898	33.350	9.894	25.681	230.8	0.105	89.5	0.46
50	9.314	33.486	9.308	25.884	211.7	0.127	90.1	0.33
60	9.078	33.528	9.071	25.954	205.2	0.148	90.3	0.27
70	8.766	33.590	8.759	26.052	196.0	0.168	90.6	0.24
80	8.511	33.627	8.503	26.121	189.7	0.187	90.6	0.21
90	8.407	33.667	8.398	26.168	185.4	0.206	90.6	0.17
100	8.279	33.709	8.269	26.220	180.6	0.224	90.6	0.17
110	8.107	33.741	8.096	26.271	175.9	0.242	90.7	0.16
120	7.822	33.828	7.810	26.382	165.5	0.259	90.7	0.17
130	7.782	33.888	7.770	26.435	160.7	0.275	90.5	0.15
140	7.484	33.917	7.471	26.500	154.5	0.291	90.7	0.14
150	7.405	33.925	7.391	26.518	153.0	0.306	90.8	0.14
175	7.092	33.958	7.076	26.588	146.7	0.344	90.8	0.14
200	6.806	33.957	6.788	26.626	143.3	0.380	90.9	0.14
225	6.559	33.971	6.539	26.671	139.4	0.415	90.9	0.14
250	6.394	33.981	6.372	26.700	136.8	0.450	91.0	0.14
300	5.963	33.994	5.937	26.766	131.0	0.517	90.9	0.14
400	5.177	34.072	5.145	26.923	116.9	0.640	91.1	0.14
500	4.737	34.140	4.699	27.027	107.7	0.752	91.2	0.19
501	4.737	34.140	4.699	27.028	107.6	0.753	91.3	0.15



STA NO 80 LAT: 40 37.6 N LONG: 125 30.0 W
15 JUN 1987 1319 GMT PROBE 2561 DEPTH 2863M

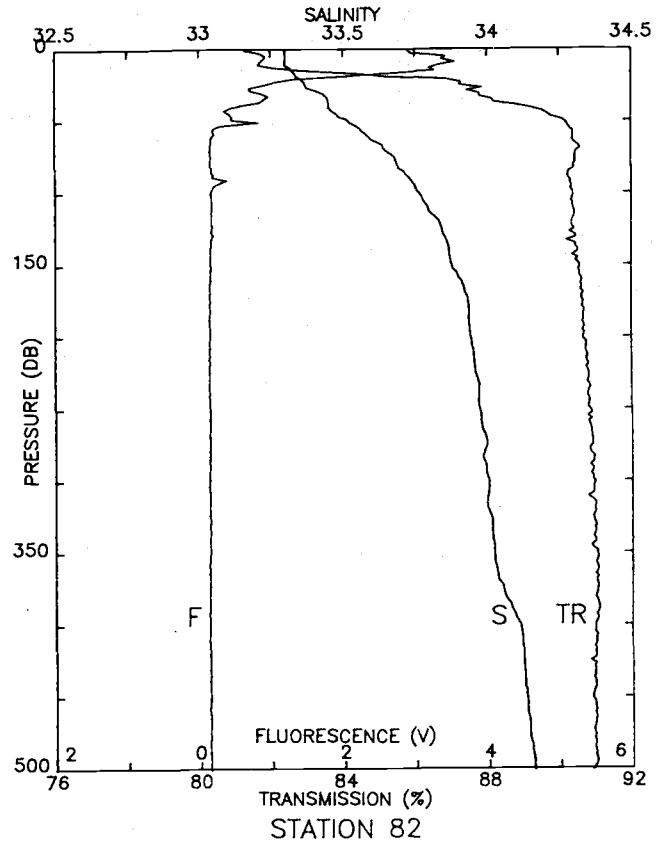
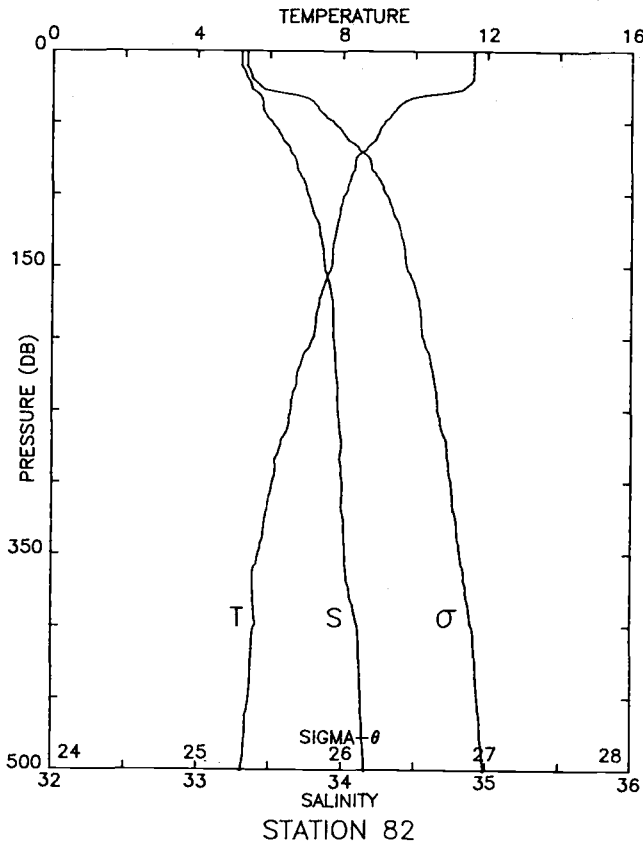
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
3	11.567	33.415	11.567	25.439	253.0	0.008	83.6	2.20
10	11.561	33.415	11.560	25.441	253.1	0.025	83.1	2.45
20	11.461	33.424	11.459	25.466	250.9	0.051	81.4	2.70
30	11.293	33.440	11.290	25.509	247.1	0.075	80.1	3.56
40	9.798	33.458	9.793	25.782	221.2	0.099	89.0	0.98
50	9.122	33.482	9.117	25.911	209.1	0.121	89.6	0.39
60	8.649	33.625	8.643	26.098	191.5	0.141	90.0	0.22
70	8.444	33.703	8.437	26.190	183.0	0.159	89.8	0.22
80	8.246	33.754	8.238	26.260	176.5	0.177	89.7	0.26
90	8.151	33.783	8.142	26.297	173.1	0.195	89.8	0.25
100	7.996	33.827	7.986	26.355	167.7	0.212	89.2	0.16
110	7.850	33.851	7.840	26.395	164.1	0.228	90.0	0.16
120	7.784	33.857	7.772	26.410	162.8	0.245	89.7	0.18
130	7.702	33.881	7.689	26.441	160.1	0.261	90.4	0.16
140	7.628	33.897	7.615	26.464	158.1	0.277	90.4	0.15
150	7.573	33.904	7.559	26.478	156.9	0.292	90.5	0.15
175	7.285	33.946	7.269	26.551	150.2	0.331	90.6	0.16
200	7.042	33.966	7.024	26.601	145.8	0.368	90.6	0.14
225	6.847	33.969	6.826	26.631	143.3	0.404	90.6	0.15
250	6.542	33.969	6.519	26.671	139.7	0.439	90.7	0.16
300	5.984	33.984	5.959	26.755	132.1	0.507	90.8	0.14
400	5.196	34.066	5.164	26.916	117.5	0.632	91.0	0.14
500	4.704	34.174	4.666	27.058	104.7	0.743	91.2	0.14
501	4.708	34.176	4.669	27.059	104.6	0.744	91.2	0.14



STA NO 81 LAT: 40 45.0 N LONG: 125 30.0 W
 15 JUN 1987 1434 GMT PROBE 2561 DEPTH 2980M

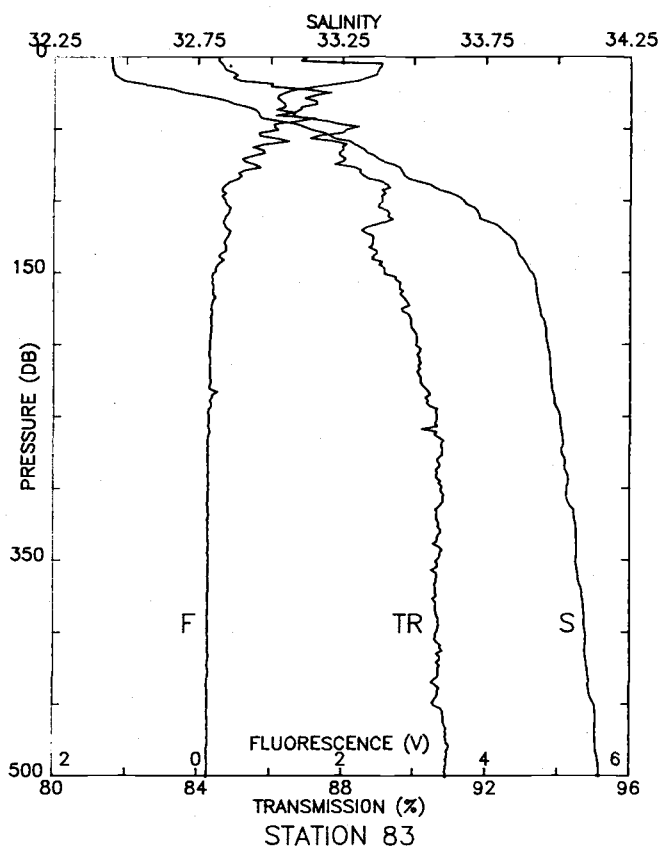
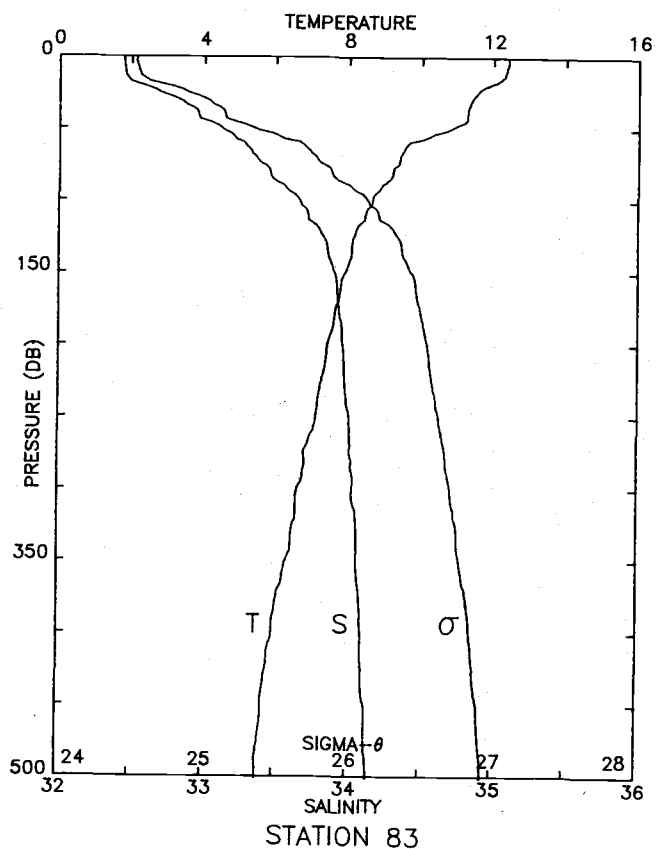
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	12.177	33.121	12.177	25.097	285.6	0.009	87.4	1.00
10	12.174	33.121	12.173	25.098	285.7	0.029	87.4	1.25
20	12.153	33.122	12.150	25.103	285.5	0.057	87.2	1.05
30	12.094	33.124	12.090	25.116	284.5	0.086	86.7	1.20
40	11.500	33.164	11.495	25.258	271.2	0.114	84.7	1.70
50	11.208	33.179	11.202	25.322	265.3	0.141	88.6	0.63
60	10.609	33.228	10.602	25.466	251.8	0.166	88.7	0.64
70	9.827	33.323	9.819	25.673	232.2	0.191	89.8	0.41
80	9.092	33.464	9.084	25.903	210.5	0.213	90.3	0.21
90	8.688	33.618	8.679	26.086	193.2	0.233	90.0	0.26
100	8.509	33.652	8.499	26.141	188.1	0.252	90.1	0.22
110	8.213	33.709	8.202	26.230	179.8	0.270	90.2	0.19
120	7.987	33.780	7.975	26.320	171.5	0.288	90.3	0.17
130	7.818	33.838	7.805	26.390	164.9	0.305	90.5	0.16
140	7.674	33.872	7.660	26.438	160.5	0.321	90.5	0.15
150	7.429	33.919	7.414	26.510	153.8	0.337	90.6	0.14
175	7.024	33.947	7.008	26.588	146.6	0.374	90.7	0.14
200	6.812	33.959	6.794	26.627	143.2	0.410	90.7	0.15
225	6.552	33.970	6.532	26.670	139.4	0.445	90.7	0.14
250	6.312	33.974	6.290	26.705	136.3	0.479	90.9	0.16
300	5.944	34.002	5.919	26.774	130.3	0.546	91.0	0.15
400	5.447	34.086	5.415	26.902	119.1	0.672	91.1	0.15
500	5.079	34.186	5.039	27.026	108.3	0.785	90.9	0.15
501	5.077	34.186	5.037	27.026	108.2	0.786	91.0	0.14

LIN INT SAL 261-275 DB



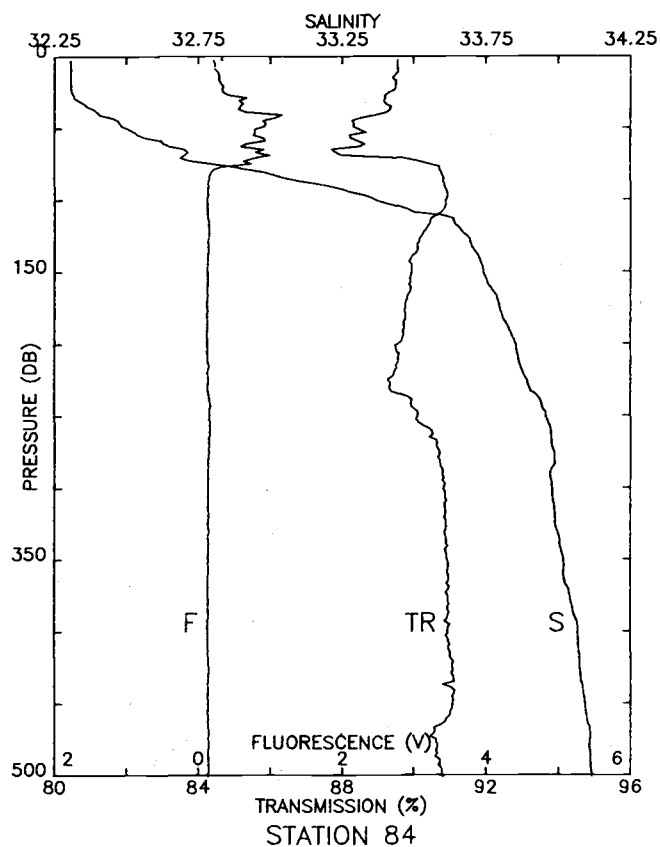
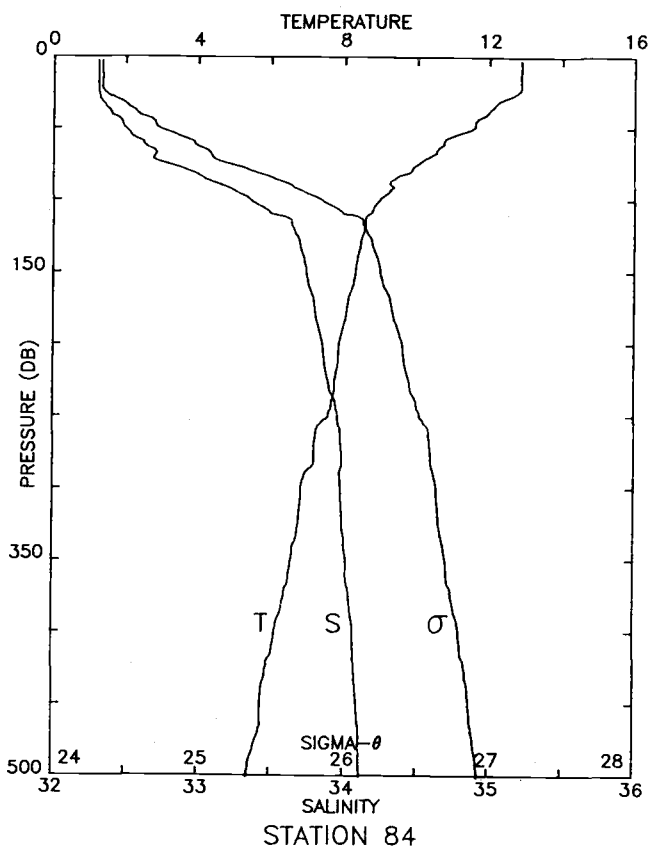
STA NO 82 LAT: 40 52.6 N LONG: 125 30.1 W
15 JUN 1987 1554 GMT PROBE 2561 DEPTH 3014M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
1	11.619	33.299	11.619	25.340	262.5	0.003	81.3	2.90
10	11.619	33.298	11.618	25.339	262.7	0.026	81.7	3.44
20	11.593	33.347	11.590	25.382	258.9	0.052	86.0	1.69
30	10.572	33.419	10.569	25.620	236.5	0.078	87.6	0.80
40	9.481	33.452	9.476	25.830	216.6	0.100	89.0	0.53
50	9.134	33.518	9.129	25.938	206.6	0.121	90.1	0.65
60	8.923	33.584	8.917	26.023	198.7	0.141	90.4	0.20
70	8.578	33.646	8.571	26.125	189.2	0.161	90.5	0.16
80	8.330	33.689	8.322	26.197	182.5	0.179	90.4	0.16
90	8.187	33.731	8.178	26.251	177.5	0.197	90.3	0.29
100	8.039	33.762	8.029	26.298	173.2	0.215	90.4	0.17
110	7.919	33.794	7.908	26.340	169.3	0.232	90.4	0.18
120	7.843	33.834	7.831	26.383	165.4	0.249	90.3	0.17
130	7.765	33.852	7.752	26.409	163.1	0.265	90.5	0.19
140	7.711	33.868	7.697	26.429	161.3	0.281	90.5	0.15
150	7.679	33.877	7.664	26.441	160.4	0.297	90.6	0.16
175	7.351	33.934	7.335	26.533	152.0	0.336	90.7	0.15
200	7.183	33.942	7.164	26.563	149.5	0.374	90.7	0.15
225	6.761	33.959	6.741	26.634	142.9	0.410	90.8	0.14
250	6.589	33.972	6.567	26.667	140.1	0.446	90.8	0.15
300	6.080	34.003	6.055	26.758	131.9	0.513	91.0	0.14
400	5.600	34.112	5.567	26.904	119.0	0.639	91.0	0.14
500	5.224	34.160	5.184	26.988	111.9	0.755	90.9	0.14
501	5.220	34.161	5.179	26.989	111.8	0.756	90.9	0.15



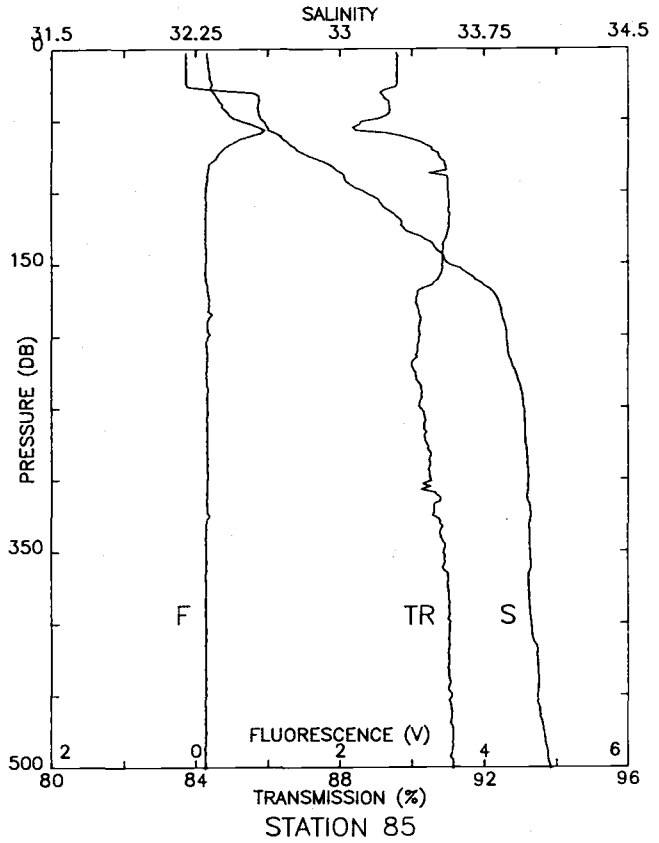
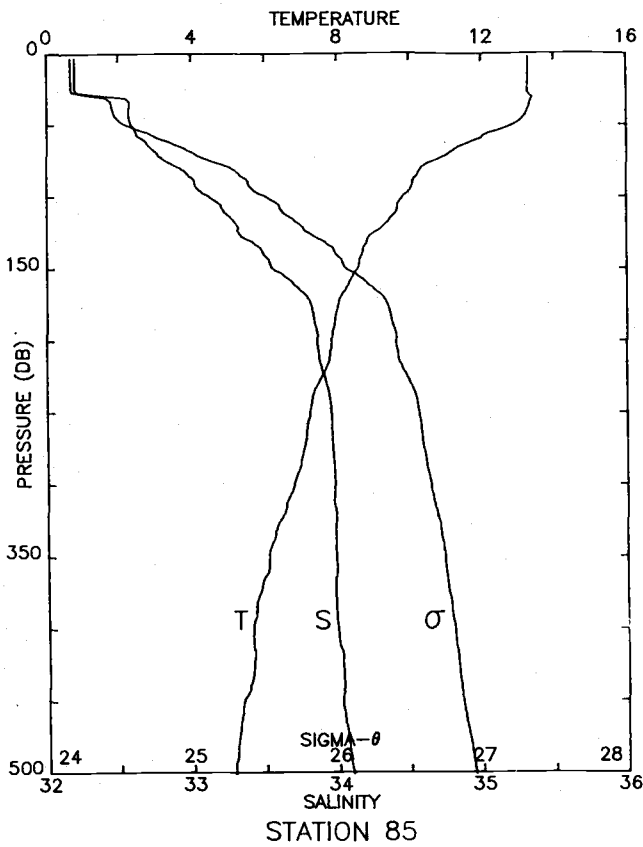
STA NO 83 LAT: 41 0.1 N LONG: 125 30.1 W
 15 JUN 1987 1714 GMT PROBE 2561 DEPTH 3072M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	12.402	32.448	12.401	24.533	339.3	0.003	87.0	0.28
10	12.328	32.455	12.326	24.552	337.6	0.034	89.0	0.43
20	11.793	32.578	11.790	24.748	319.2	0.067	87.5	1.01
30	11.369	32.829	11.366	25.021	293.5	0.098	86.2	1.54
40	11.254	32.958	11.249	25.142	282.2	0.126	86.6	1.19
50	10.765	33.127	10.759	25.360	261.6	0.154	88.3	1.07
60	9.621	33.283	9.614	25.675	231.8	0.178	87.9	1.07
70	9.381	33.366	9.373	25.780	222.0	0.201	88.0	0.67
80	9.198	33.459	9.189	25.882	212.5	0.223	88.5	0.59
90	8.884	33.565	8.875	26.014	200.1	0.244	89.3	0.36
100	8.644	33.670	8.634	26.134	188.8	0.263	89.1	0.37
110	8.455	33.726	8.444	26.207	182.1	0.281	89.3	0.40
120	8.209	33.804	8.197	26.305	172.9	0.299	88.6	0.42
130	8.099	33.853	8.086	26.361	167.8	0.316	88.9	0.37
140	8.054	33.874	8.040	26.384	165.7	0.333	88.9	0.32
150	7.899	33.908	7.885	26.433	161.2	0.349	89.2	0.23
175	7.652	33.938	7.635	26.493	155.9	0.389	89.7	0.18
200	7.433	33.964	7.414	26.545	151.3	0.427	90.1	0.17
225	7.277	33.977	7.255	26.578	148.5	0.465	90.2	0.18
250	7.118	34.009	7.095	26.625	144.4	0.501	90.6	0.15
300	6.627	34.033	6.600	26.711	136.7	0.572	90.8	0.15
400	5.947	34.097	5.912	26.850	124.5	0.702	90.6	0.14
500	5.531	34.145	5.490	26.940	116.8	0.822	90.9	0.14
501	5.531	34.145	5.489	26.940	116.8	0.823	90.9	0.14



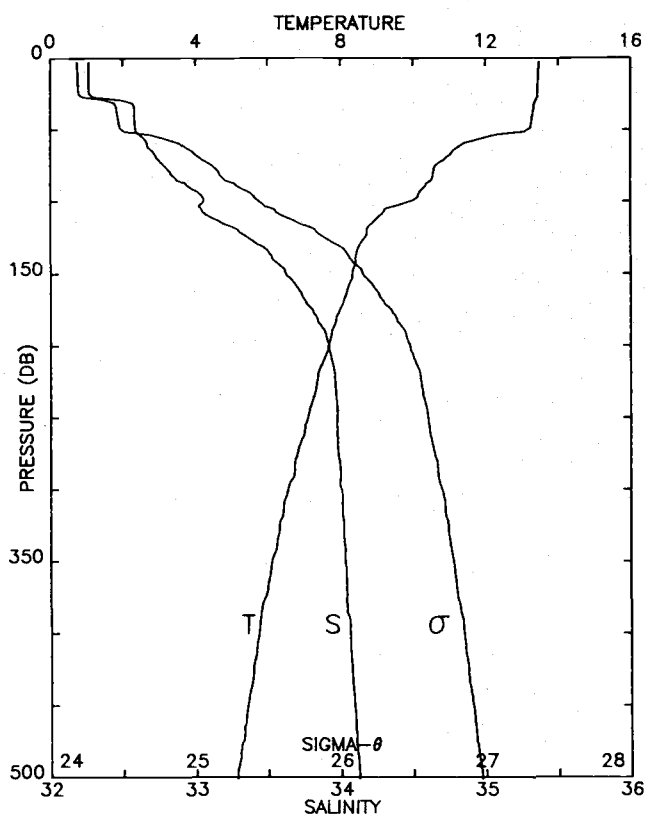
STA NO 84 LAT: 41 7.5 N LONG: 125 30.0 W
 15 JUN 1987 1832 GMT PROBE 2561 DEPTH 3092M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
3	12.868	32.306	12.868	24.333	358.3	0.011	89.6	0.21
10	12.865	32.307	12.864	24.335	358.4	0.036	89.6	0.26
20	12.863	32.307	12.860	24.335	358.6	0.072	89.5	0.33
30	12.331	32.327	12.328	24.453	347.6	0.107	89.2	0.63
40	11.908	32.403	11.903	24.592	334.6	0.141	89.1	0.91
50	11.525	32.498	11.519	24.736	321.1	0.174	88.4	0.85
60	10.733	32.623	10.726	24.974	298.6	0.205	88.5	0.80
70	10.303	32.694	10.295	25.103	286.5	0.234	88.8	0.89
80	9.815	32.953	9.806	25.386	259.6	0.261	90.7	0.20
90	9.293	33.182	9.284	25.650	234.7	0.286	90.8	0.14
100	8.936	33.365	8.925	25.850	215.8	0.308	90.9	0.12
110	8.647	33.548	8.636	26.038	198.1	0.329	90.7	0.13
120	8.528	33.659	8.516	26.144	188.3	0.348	90.4	0.15
130	8.431	33.697	8.418	26.189	184.2	0.367	90.1	0.14
140	8.342	33.726	8.328	26.225	180.9	0.385	89.9	0.14
150	8.292	33.741	8.277	26.244	179.2	0.403	89.9	0.13
175	8.062	33.799	8.044	26.324	172.0	0.447	89.8	0.13
200	7.851	33.853	7.831	26.398	165.4	0.489	89.6	0.12
225	7.732	33.892	7.710	26.447	161.2	0.530	89.3	0.14
250	7.558	33.958	7.534	26.523	154.2	0.570	90.1	0.16
300	6.828	33.978	6.800	26.641	143.5	0.643	90.8	0.14
400	6.132	34.067	6.097	26.803	129.1	0.781	91.0	0.13
500	5.389	34.117	5.348	26.935	117.2	0.904	90.8	0.14
501	5.388	34.117	5.346	26.935	117.1	0.905	90.8	0.14

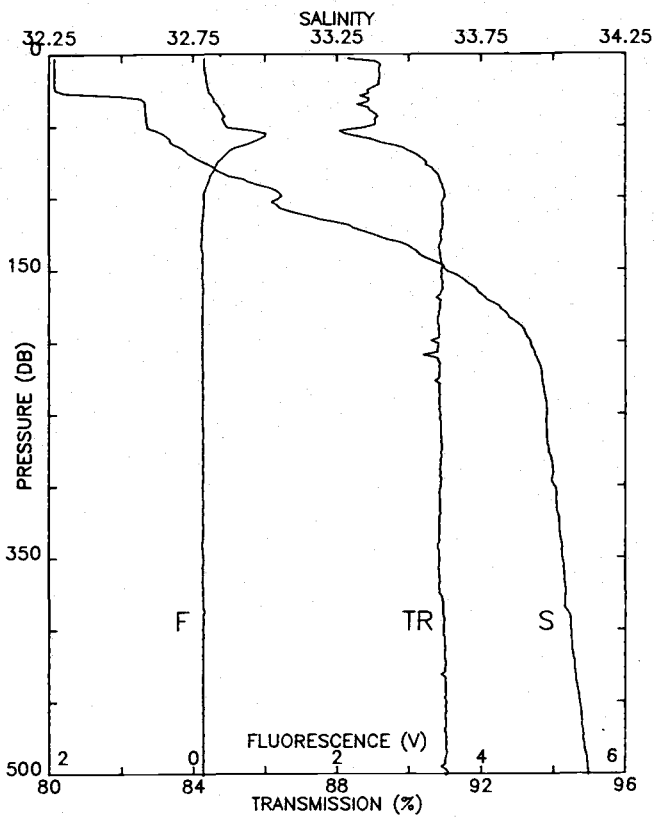


STA NO 85 LAT: 41 15.0 N LONG: 125 30.0 W
 15 JUN 1987 1949 GMT PROBE 2561 DEPTH 3098M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	13.290	32.197	13.290	24.166	374.3	0.011	89.6	0.15
10	13.283	32.197	13.282	24.167	374.4	0.037	89.6	0.17
20	13.279	32.197	13.276	24.169	374.5	0.075	89.6	0.19
30	13.374	32.452	13.369	24.347	357.7	0.112	89.2	0.23
40	13.258	32.573	13.252	24.464	346.9	0.147	89.4	0.37
50	12.831	32.597	12.824	24.567	337.3	0.181	88.8	0.60
60	11.859	32.676	11.852	24.813	314.0	0.214	89.5	0.82
70	11.065	32.770	11.057	25.030	293.5	0.244	90.5	0.38
80	10.333	32.930	10.324	25.282	269.7	0.272	90.9	0.20
90	10.103	33.025	10.093	25.395	259.1	0.299	91.0	0.16
100	9.826	33.132	9.815	25.525	246.9	0.324	91.0	0.14
110	9.647	33.227	9.635	25.629	237.2	0.348	91.0	0.14
120	9.292	33.320	9.279	25.758	225.0	0.371	91.0	0.14
130	8.827	33.402	8.814	25.896	212.0	0.393	91.0	0.13
140	8.681	33.501	8.666	25.997	202.6	0.414	90.9	0.14
150	8.553	33.564	8.538	26.066	196.2	0.434	90.8	0.14
175	8.011	33.822	7.994	26.350	169.6	0.479	90.1	0.18
200	7.841	33.865	7.821	26.409	164.4	0.521	90.2	0.18
225	7.559	33.914	7.537	26.488	157.1	0.561	90.1	0.15
250	7.231	33.956	7.207	26.568	149.8	0.599	90.2	0.16
300	6.789	33.978	6.761	26.646	142.9	0.673	90.5	0.16
400	5.648	33.995	5.615	26.806	128.3	0.807	91.1	0.14
500	5.144	34.095	5.104	26.946	115.9	0.930	91.1	0.13
501	5.140	34.095	5.100	26.947	115.8	0.931	91.1	0.13



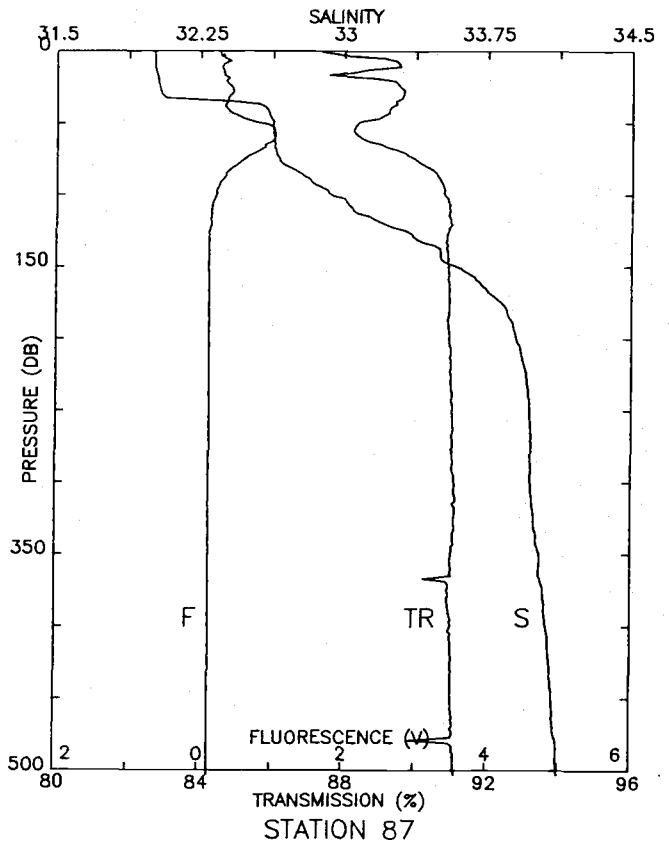
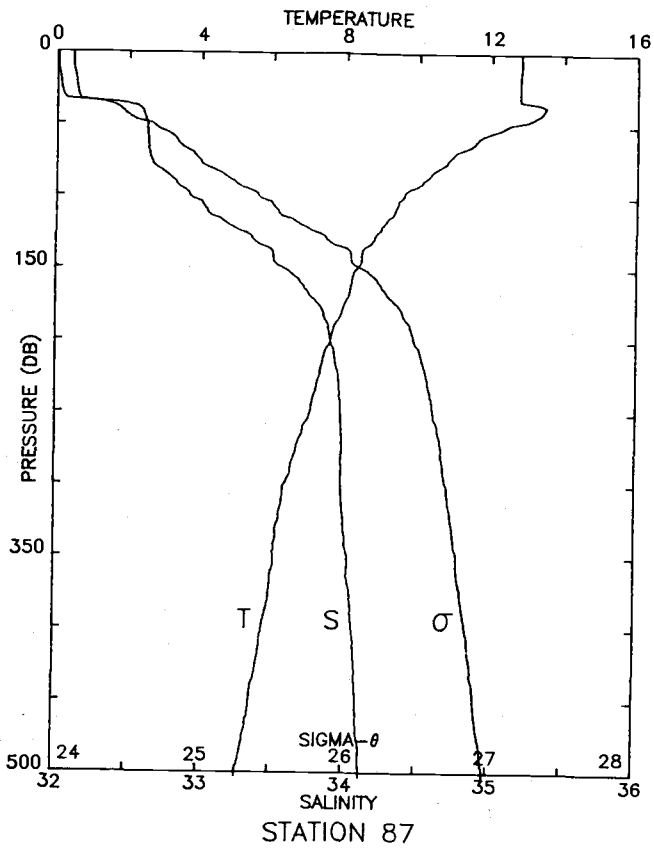
STATION 86



STATION 86

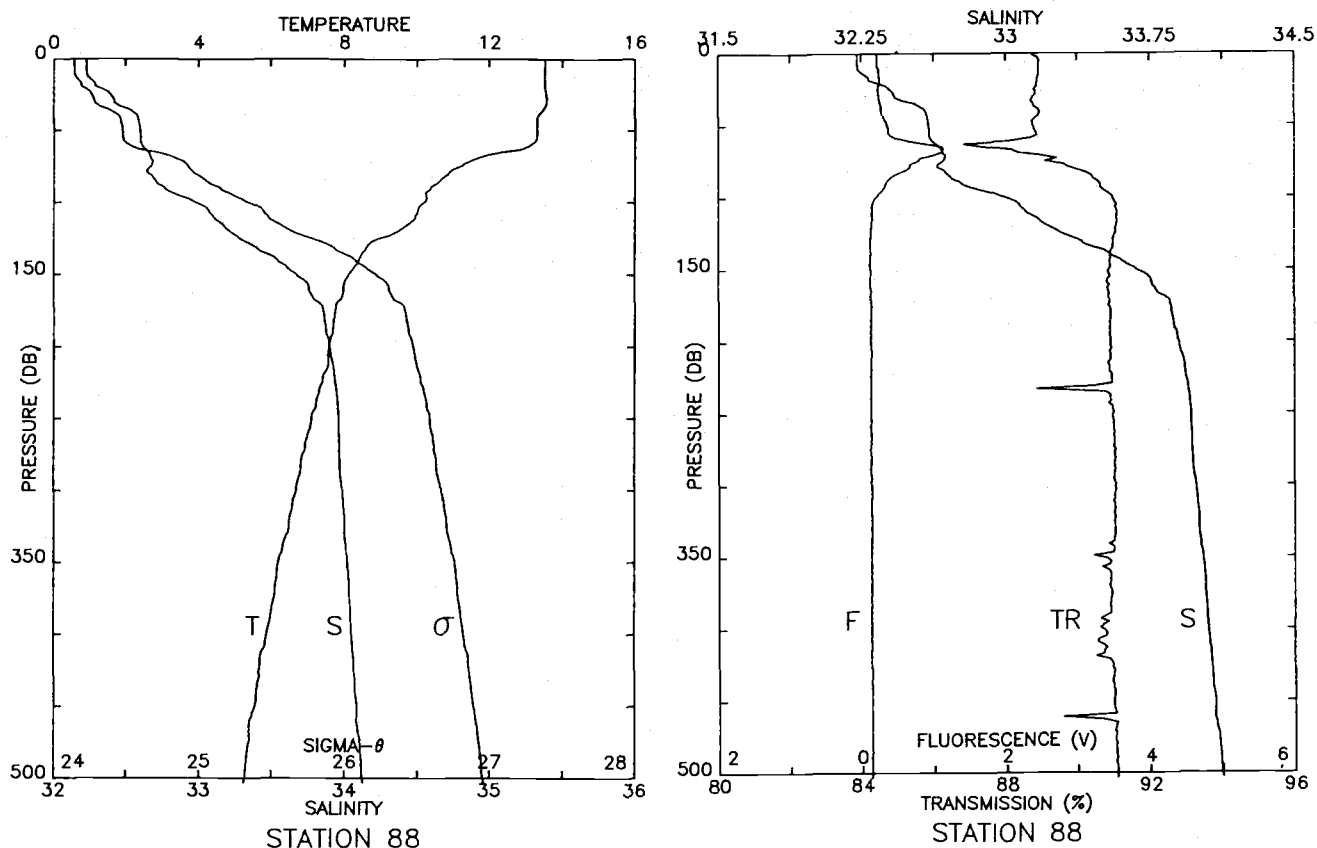
STA NO 86 LAT: 41 22.5 N LONG: 125 30.0 W
 15 JUN 1987 2059 GMT PROBE 2561 DEPTH 3098M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	13.461	32.268	13.461	24.186	372.4	0.011	88.3	0.15
10	13.450	32.268	13.449	24.189	372.3	0.037	89.2	0.15
20	13.434	32.268	13.431	24.193	372.2	0.074	89.2	0.19
30	13.368	32.527	13.364	24.407	352.1	0.111	88.8	0.27
40	13.280	32.583	13.275	24.467	346.5	0.146	89.0	0.40
50	13.136	32.589	13.129	24.501	343.6	0.181	88.9	0.47
60	11.344	32.669	11.337	24.901	305.6	0.213	89.1	0.88
70	10.873	32.741	10.865	25.041	292.4	0.243	90.2	0.45
80	10.561	32.829	10.552	25.164	280.9	0.271	90.7	0.30
90	10.302	32.959	10.292	25.310	267.2	0.299	90.9	0.20
100	9.889	33.053	9.877	25.452	253.8	0.325	91.0	0.15
110	9.077	33.097	9.065	25.618	238.1	0.349	90.9	0.14
120	8.724	33.302	8.711	25.834	217.7	0.372	90.9	0.12
130	8.531	33.451	8.518	25.980	203.9	0.393	90.9	0.12
140	8.406	33.544	8.392	26.072	195.4	0.413	90.9	0.12
150	8.312	33.628	8.297	26.153	187.9	0.432	90.9	0.12
175	7.967	33.814	7.949	26.351	169.5	0.477	90.9	0.12
200	7.657	33.922	7.637	26.480	157.5	0.518	90.7	0.13
225	7.343	33.963	7.322	26.557	150.5	0.556	90.8	0.13
250	7.100	33.978	7.077	26.603	146.5	0.593	90.9	0.13
300	6.549	34.005	6.522	26.699	137.8	0.664	90.9	0.13
400	5.737	34.062	5.704	26.849	124.4	0.795	91.0	0.13
500	5.129	34.124	5.089	26.971	113.5	0.914	91.1	0.14
501	5.128	34.124	5.088	26.971	113.5	0.915	91.0	0.14



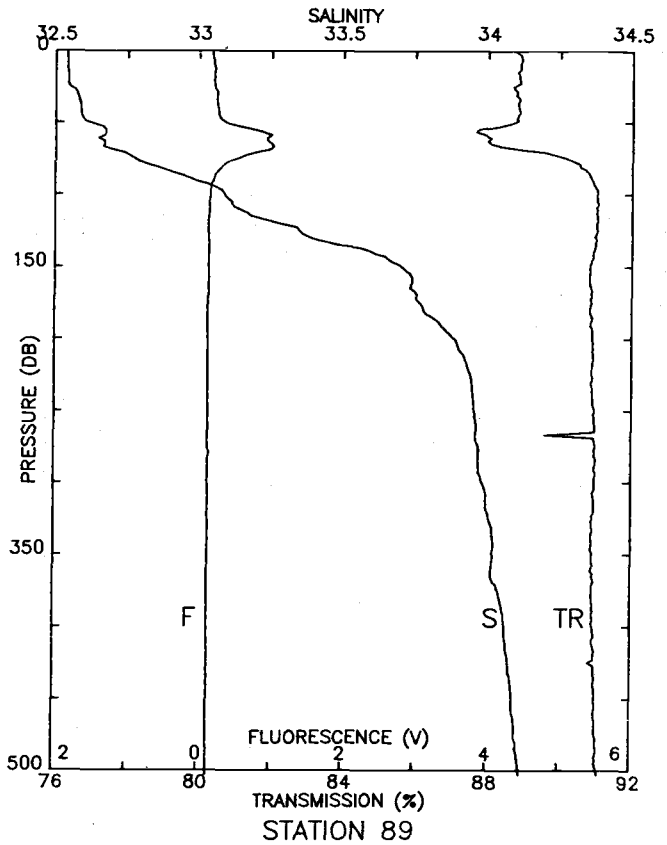
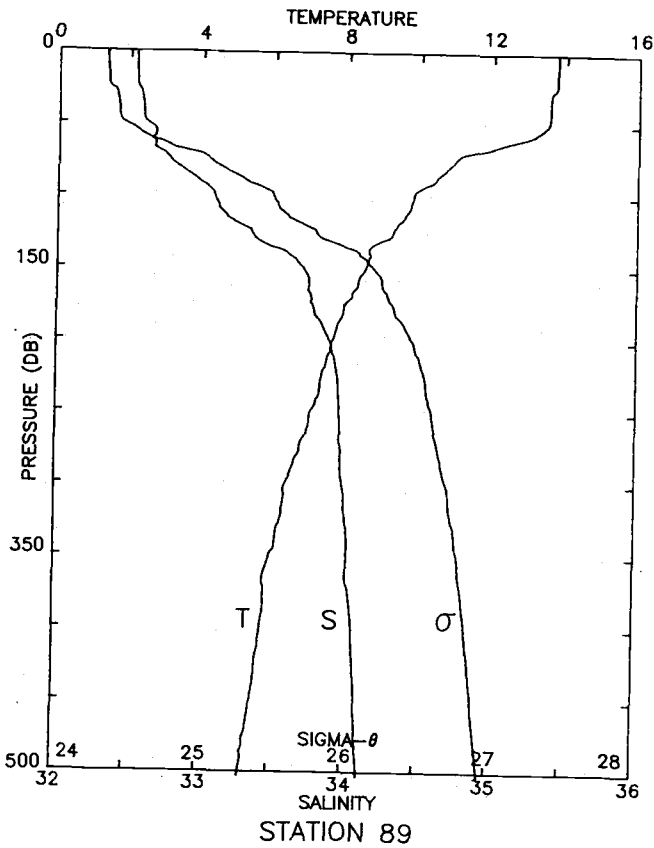
STA NO 87 LAT: 41 30.1 N LONG: 125 30.0 W
15 JUN 1987 2214 GMT PROBE 2561 DEPTH 3096M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
1	12.800	32.006	12.800	24.114	379.2	0.004	87.4	0.27
10	12.801	32.009	12.800	24.116	379.2	0.038	89.5	0.30
20	12.765	32.026	12.762	24.136	377.5	0.076	89.1	0.37
30	12.758	32.046	12.754	24.153	376.2	0.113	89.6	0.42
40	13.404	32.590	13.398	24.448	348.4	0.150	89.3	0.36
50	12.431	32.626	12.424	24.666	327.8	0.184	88.4	0.83
60	11.606	32.631	11.598	24.824	312.9	0.216	88.4	1.02
70	10.964	32.641	10.955	24.947	301.4	0.247	89.6	0.77
80	10.552	32.695	10.543	25.061	290.7	0.276	90.2	0.47
90	10.087	32.822	10.076	25.239	273.8	0.304	90.7	0.29
100	9.564	32.928	9.553	25.408	257.9	0.331	90.8	0.22
110	9.327	33.043	9.316	25.537	245.9	0.356	90.9	0.15
120	9.006	33.203	8.993	25.712	229.3	0.380	91.0	0.15
130	8.759	33.372	8.746	25.884	213.2	0.402	90.9	0.13
140	8.440	33.506	8.426	26.037	198.7	0.422	90.9	0.13
150	8.278	33.592	8.263	26.129	190.1	0.442	90.9	0.12
175	7.947	33.824	7.929	26.361	168.5	0.487	90.9	0.13
200	7.594	33.901	7.575	26.472	158.2	0.527	90.9	0.12
225	7.284	33.955	7.263	26.559	150.3	0.566	91.0	0.13
250	7.042	33.972	7.018	26.606	146.1	0.603	91.0	0.13
300	6.359	33.979	6.332	26.704	137.2	0.673	91.1	0.13
400	5.770	34.063	5.737	26.845	124.8	0.804	91.0	0.13
500	5.081	34.125	5.041	26.977	112.8	0.923	91.1	0.14
503	5.081	34.126	5.041	26.978	112.8	0.927	91.2	0.14



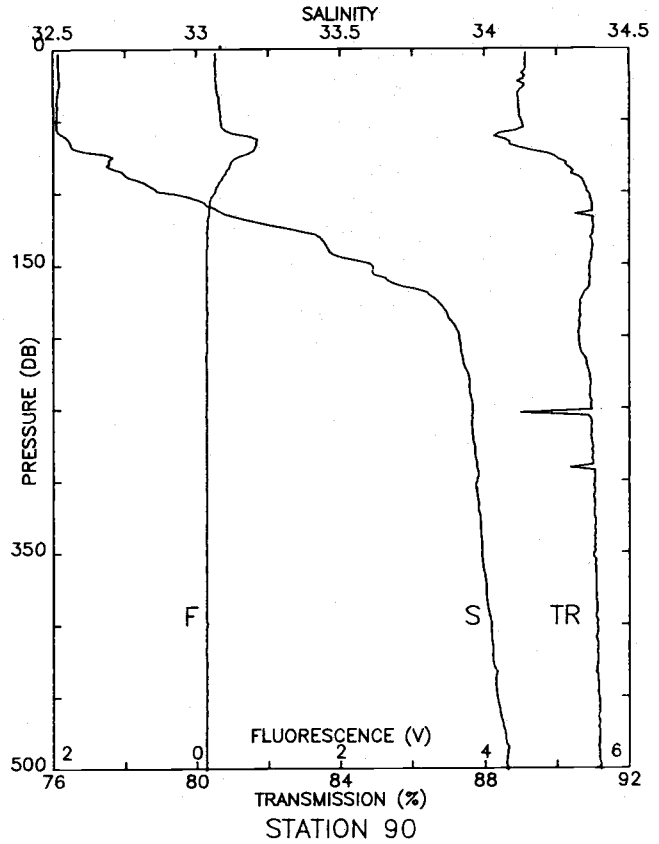
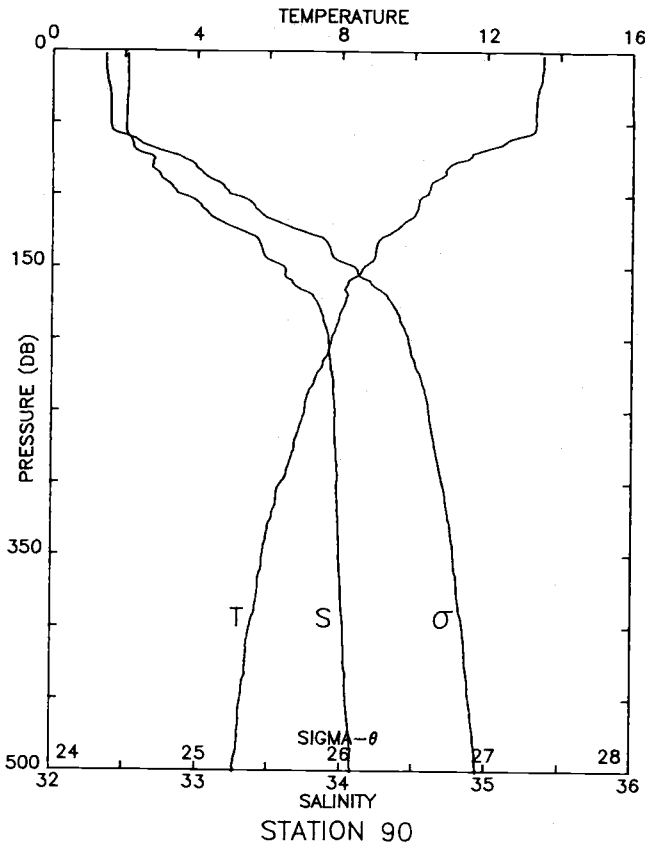
STA NO 88 LAT: 41 30.0 N LONG: 125 40.2 W
 15 JUN 1987 2348 GMT PROBE 2561 DEPTH 3070M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	13.522	32.228	13.522	24.143	376.4	0.004	88.7	0.21
10	13.517	32.230	13.515	24.146	376.3	0.038	88.9	0.23
20	13.524	32.316	13.521	24.212	370.4	0.075	88.9	0.26
30	13.572	32.426	13.568	24.288	363.4	0.112	88.8	0.25
40	13.329	32.584	13.324	24.458	347.4	0.147	88.9	0.28
50	13.287	32.599	13.280	24.479	345.7	0.182	88.8	0.36
60	13.094	32.613	13.086	24.528	341.3	0.216	88.4	0.56
70	11.576	32.680	11.567	24.868	309.0	0.249	88.7	1.04
80	10.854	32.662	10.845	24.983	298.2	0.279	89.9	0.65
90	10.359	32.770	10.349	25.153	282.1	0.308	90.6	0.34
100	10.171	32.990	10.159	25.357	262.9	0.335	91.0	0.20
110	9.940	33.105	9.927	25.485	250.9	0.361	91.1	0.14
120	9.441	33.220	9.428	25.657	234.7	0.385	91.1	0.13
130	8.619	33.387	8.606	25.916	210.0	0.407	91.0	0.12
140	8.389	33.550	8.375	26.079	194.7	0.428	90.9	0.12
150	8.114	33.681	8.099	26.224	181.1	0.446	90.9	0.13
175	7.744	33.860	7.727	26.418	163.0	0.489	90.8	0.14
200	7.583	33.901	7.564	26.474	158.1	0.529	90.9	0.13
225	7.403	33.938	7.382	26.530	153.2	0.568	90.9	0.13
250	7.111	33.964	7.088	26.591	147.6	0.606	91.0	0.13
300	6.687	33.987	6.660	26.667	140.9	0.678	91.1	0.13
400	5.873	34.051	5.840	26.823	126.9	0.812	90.7	0.13
500	5.255	34.122	5.214	26.955	115.1	0.932	91.1	0.14
503	5.242	34.127	5.201	26.960	114.7	0.936	91.1	0.14



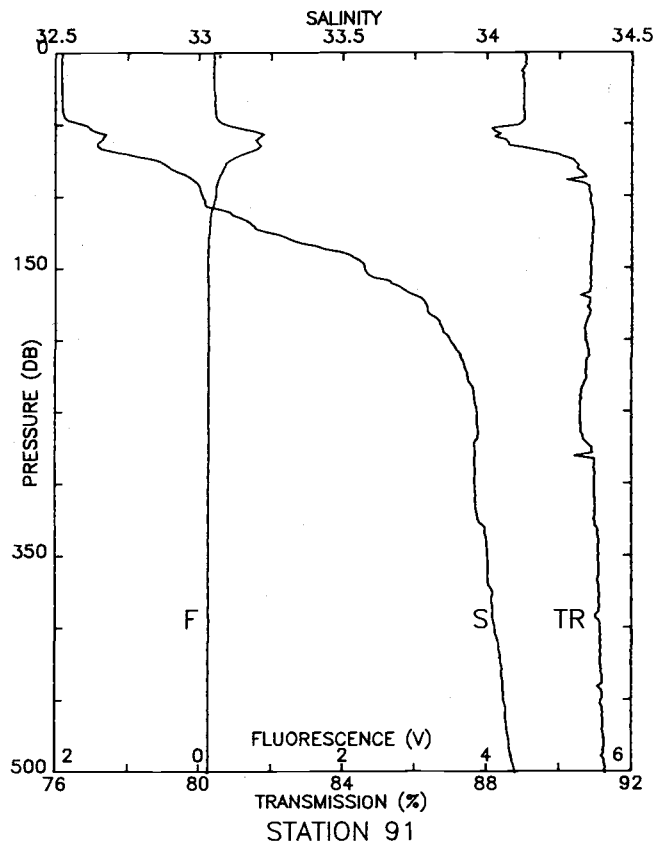
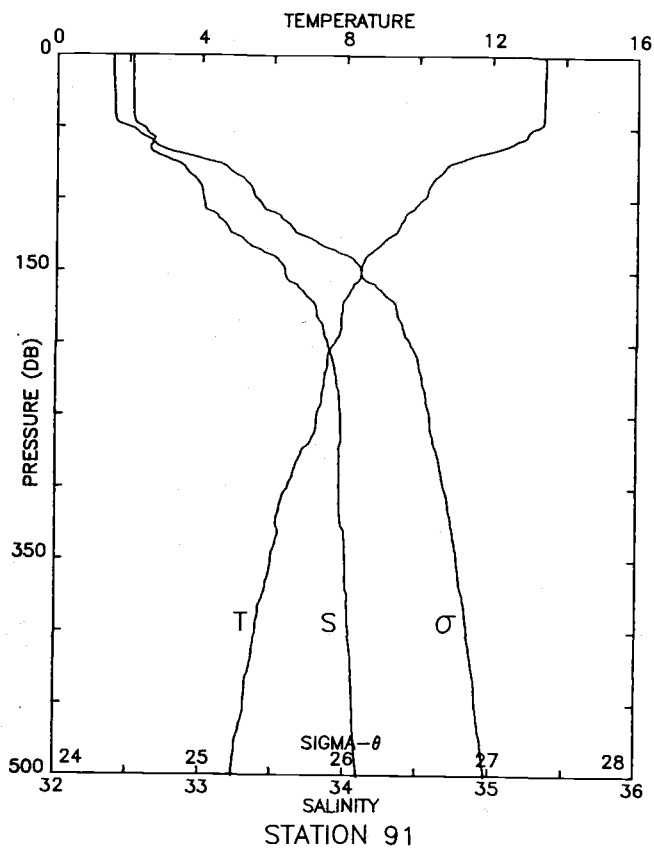
STA NO 89 LAT: 41 30.0 N LONG: 125 50.2 W
 16 JUN 1987 0056 GMT PROBE 2561 DEPTH 3029M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	13.748	32.540	13.748	24.339	357.8	0.004	88.8	0.17
10	13.745	32.540	13.744	24.340	357.9	0.036	88.9	0.20
20	13.716	32.543	13.713	24.348	357.4	0.072	88.9	0.20
30	13.555	32.575	13.551	24.406	352.2	0.107	88.8	0.24
40	13.530	32.587	13.525	24.420	351.0	0.142	88.8	0.25
50	13.461	32.616	13.454	24.457	347.8	0.177	88.7	0.36
60	12.756	32.658	12.748	24.629	331.6	0.211	88.0	0.96
70	11.304	32.719	11.296	24.947	301.4	0.243	89.2	0.87
80	10.769	32.836	10.759	25.133	283.8	0.272	90.6	0.33
90	10.370	32.980	10.360	25.315	266.7	0.300	90.9	0.20
100	9.809	33.087	9.798	25.493	250.0	0.325	91.0	0.15
110	9.686	33.134	9.674	25.549	244.8	0.350	91.0	0.14
120	9.370	33.271	9.357	25.708	229.8	0.374	91.0	0.13
130	9.052	33.384	9.039	25.847	216.7	0.396	91.0	0.13
140	8.618	33.601	8.603	26.085	194.2	0.417	90.9	0.14
150	8.487	33.702	8.471	26.184	185.0	0.436	90.8	0.13
175	7.936	33.767	7.919	26.318	172.6	0.480	90.9	0.13
200	7.619	33.885	7.599	26.456	159.8	0.522	90.9	0.13
225	7.323	33.942	7.301	26.544	151.8	0.561	90.9	0.13
250	7.029	33.955	7.005	26.595	147.2	0.598	91.0	0.13
300	6.375	33.984	6.348	26.705	137.1	0.670	91.0	0.13
400	5.751	34.064	5.718	26.848	124.5	0.800	91.0	0.13
500	5.227	34.117	5.186	26.954	115.2	0.920	91.1	0.13
503	5.218	34.118	5.177	26.956	115.0	0.923	91.1	0.14



STA NO 90 LAT: 41 30.0 N LONG: 126 0.1 W
 16 JUN 1987 0206 GMT PROBE 2561 DEPTH 2628M

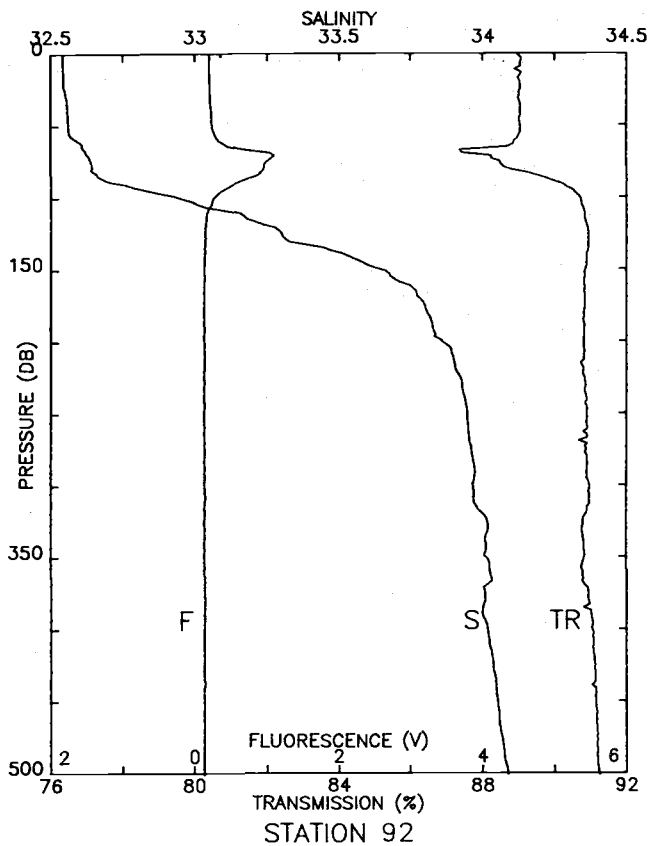
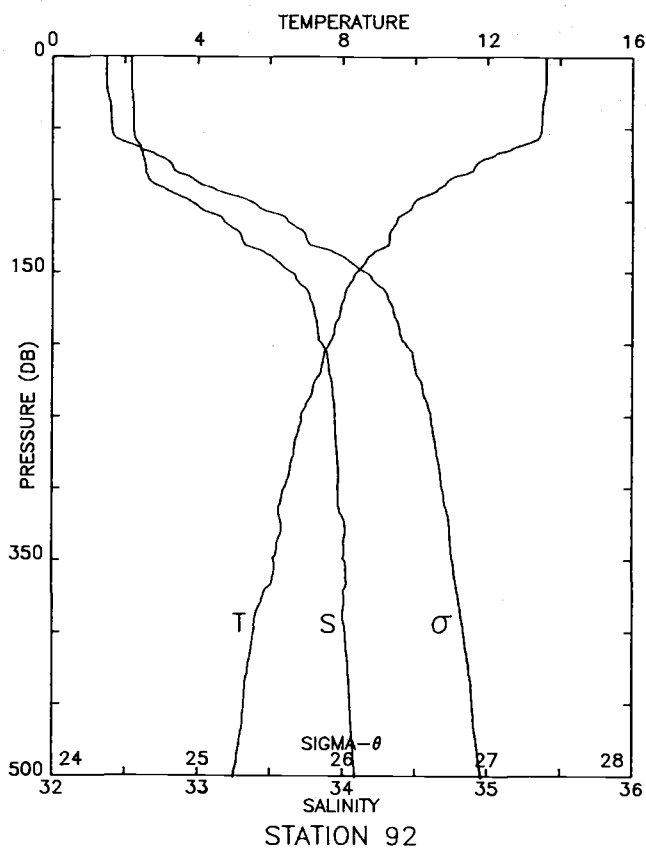
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	13.516	32.518	13.515	24.369	354.9	0.011	89.1	0.26
10	13.514	32.519	13.513	24.370	355.0	0.035	89.1	0.26
20	13.470	32.521	13.467	24.381	354.2	0.071	89.1	0.26
30	13.353	32.517	13.349	24.402	352.6	0.106	88.9	0.29
40	13.327	32.514	13.321	24.405	352.5	0.142	88.9	0.31
50	13.304	32.511	13.297	24.407	352.5	0.177	89.0	0.33
60	12.711	32.534	12.703	24.542	339.9	0.212	88.3	0.62
70	11.708	32.589	11.699	24.773	318.0	0.245	89.1	0.79
80	10.938	32.689	10.928	24.990	297.5	0.275	90.2	0.47
90	10.542	32.775	10.531	25.125	284.8	0.305	90.6	0.35
100	10.294	32.894	10.283	25.261	272.1	0.332	90.9	0.24
110	10.071	33.048	10.058	25.419	257.2	0.359	91.0	0.17
120	9.655	33.194	9.641	25.602	240.0	0.384	91.0	0.14
130	9.045	33.420	9.031	25.877	213.9	0.406	91.0	0.14
140	8.908	33.460	8.893	25.929	209.1	0.427	91.0	0.13
150	8.581	33.607	8.566	26.095	193.4	0.448	90.9	0.13
175	8.074	33.837	8.057	26.352	169.4	0.493	90.6	0.13
200	7.717	33.910	7.698	26.462	159.2	0.534	90.6	0.14
225	7.303	33.940	7.282	26.545	151.6	0.573	90.9	0.13
250	6.982	33.957	6.959	26.603	146.4	0.610	91.0	0.13
300	6.340	33.972	6.314	26.700	137.5	0.681	91.1	0.13
400	5.494	34.022	5.461	26.846	124.4	0.812	91.1	0.14
500	5.056	34.079	5.016	26.943	116.0	0.932	91.2	0.14
501	5.057	34.079	5.018	26.943	116.0	0.934	91.2	0.13



STA NO 91 LAT: 41 30.0 N LONG: 126 10.0 W
 16 JUN 1987 0314 GMT PROBE 2561 DEPTH 2890M

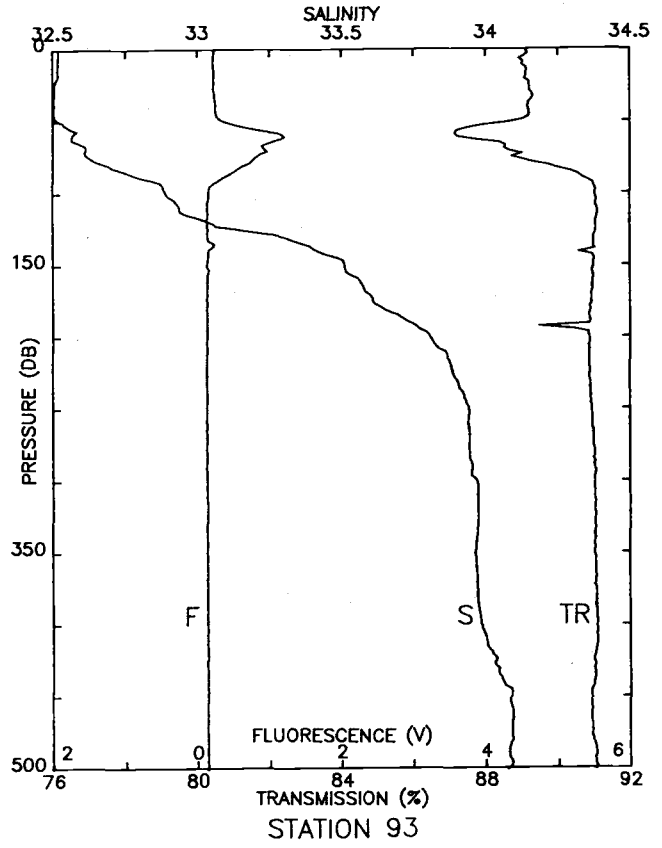
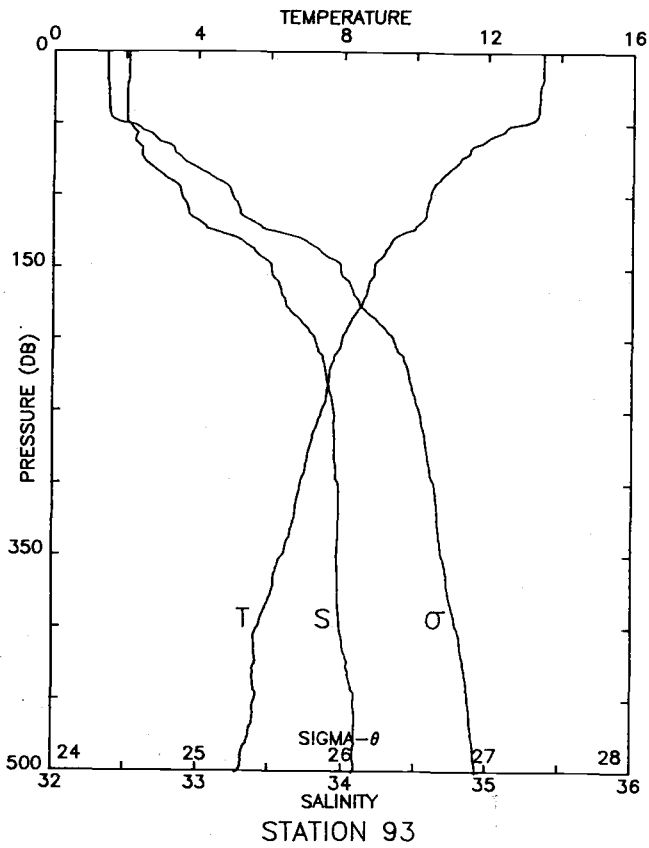
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
1	13.440	32.524	13.440	24.389	353.0	0.004	89.0	0.21
10	13.444	32.523	13.443	24.387	353.4	0.035	89.1	0.21
20	13.422	32.523	13.419	24.393	353.2	0.071	89.0	0.21
30	13.406	32.524	13.402	24.397	353.0	0.106	89.0	0.23
40	13.396	32.526	13.391	24.400	352.9	0.141	89.0	0.23
50	13.154	32.595	13.147	24.502	343.5	0.176	88.9	0.37
60	12.595	32.663	12.587	24.664	328.3	0.210	88.4	0.82
70	11.416	32.725	11.408	24.932	302.9	0.242	89.7	0.65
80	10.665	32.897	10.656	25.199	277.6	0.271	90.5	0.35
90	10.296	32.990	10.285	25.335	264.8	0.298	90.4	0.26
100	10.085	33.014	10.073	25.389	259.8	0.324	90.9	0.23
110	9.649	33.092	9.637	25.523	247.3	0.349	90.9	0.18
120	9.434	33.186	9.421	25.632	237.1	0.374	90.9	0.15
130	8.998	33.315	8.984	25.802	221.0	0.397	90.9	0.13
140	8.531	33.510	8.517	26.027	199.8	0.418	90.9	0.13
150	8.397	33.576	8.382	26.099	193.0	0.437	90.9	0.13
175	7.888	33.788	7.870	26.342	170.3	0.483	90.8	0.13
200	7.665	33.872	7.645	26.440	161.4	0.524	90.7	0.13
225	7.396	33.936	7.374	26.528	153.3	0.563	90.7	0.14
250	7.203	33.967	7.180	26.581	148.6	0.601	90.6	0.14
300	6.407	33.959	6.380	26.681	139.4	0.673	91.0	0.14
400	5.543	34.028	5.510	26.845	124.5	0.805	91.1	0.13
500	4.935	34.100	4.896	26.974	112.9	0.923	91.3	0.13
501	4.936	34.102	4.897	26.975	112.8	0.924	91.3	0.13

LIN INT SAL 359-365 DB



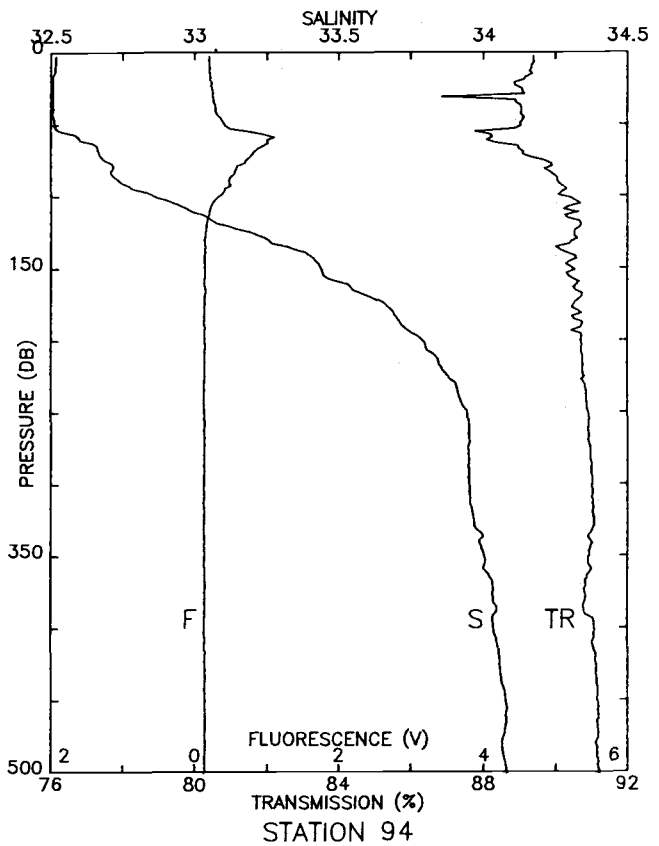
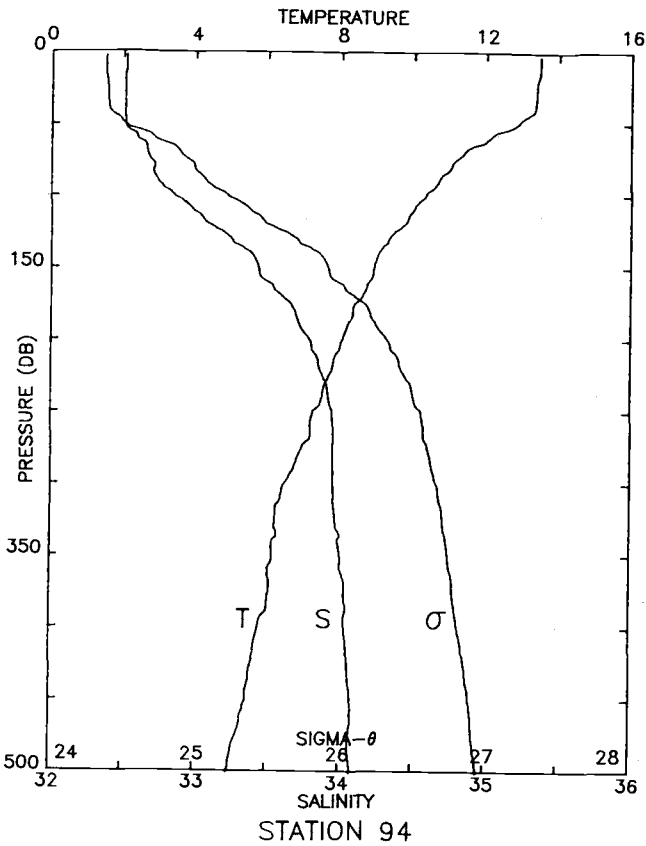
STA NO 92 LAT: 41 22.5 N LONG: 126 10.0 W
16 JUN 1987 0427 GMT PROBE 2561 DEPTH 3050M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		THETA					
1	13.595	32.542	13.595	24.371	354.7	0.004	89.0	0.20
10	13.596	32.542	13.595	24.372	354.9	0.035	89.0	0.20
20	13.593	32.544	13.590	24.374	354.9	0.071	89.0	0.21
30	13.530	32.554	13.526	24.394	353.2	0.106	89.0	0.21
40	13.489	32.559	13.484	24.407	352.3	0.142	89.0	0.23
50	13.466	32.561	13.459	24.414	351.9	0.177	89.0	0.24
60	13.070	32.591	13.062	24.515	342.5	0.212	88.9	0.32
70	12.003	32.627	11.994	24.748	320.4	0.245	87.8	1.07
80	11.501	32.644	11.491	24.854	310.6	0.276	88.7	0.95
90	10.712	32.731	10.702	25.061	290.9	0.306	90.1	0.58
100	9.982	32.940	9.971	25.349	263.6	0.334	90.7	0.27
110	9.578	33.128	9.566	25.562	243.5	0.360	90.8	0.18
120	9.328	33.255	9.315	25.702	230.4	0.383	90.9	0.15
130	9.245	33.319	9.231	25.766	224.5	0.406	90.9	0.15
140	8.664	33.523	8.649	26.016	200.7	0.427	90.9	0.14
150	8.364	33.648	8.348	26.160	187.2	0.447	90.9	0.13
175	7.933	33.802	7.916	26.346	170.0	0.491	90.8	0.13
200	7.614	33.861	7.595	26.439	161.4	0.533	90.8	0.13
225	7.239	33.925	7.218	26.542	151.9	0.572	90.8	0.13
250	6.860	33.948	6.837	26.612	145.4	0.609	90.9	0.13
300	6.397	33.967	6.370	26.690	138.6	0.680	91.0	0.14
400	5.539	34.017	5.506	26.837	125.3	0.812	91.1	0.14
500	4.983	34.088	4.943	26.959	114.4	0.932	91.2	0.13
501	4.978	34.088	4.938	26.960	114.3	0.933	91.3	0.13



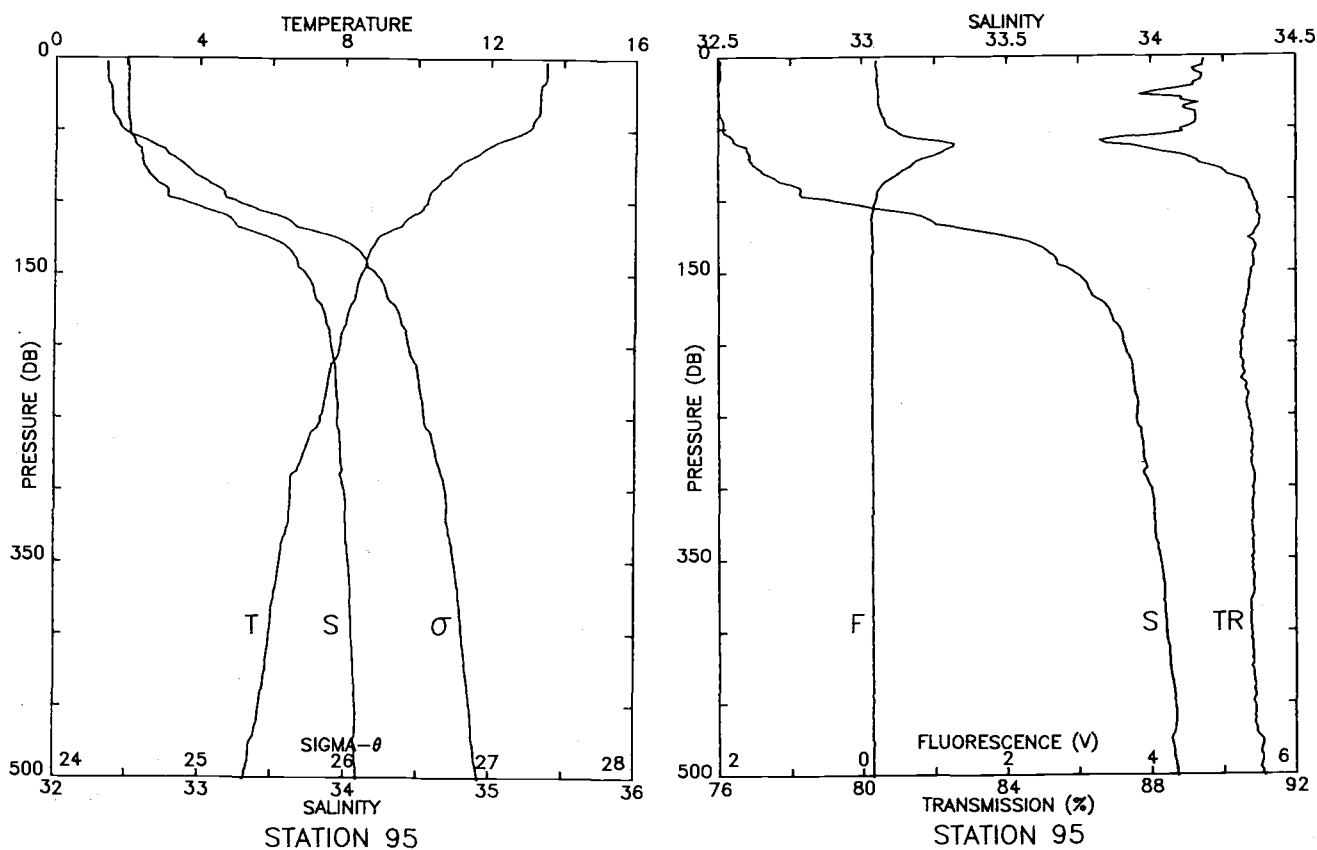
STA NO 93 LAT: 41 14.9 N LONG: 126 10.0 W
 16 JUN 1987 0535 GMT PROBE 2561 DEPTH 3040M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	13.507	32.520	13.506	24.372	354.6	0.004	89.1	0.23
10	13.501	32.518	13.500	24.372	354.9	0.035	89.0	0.22
20	13.488	32.515	13.486	24.373	355.0	0.071	89.1	0.22
30	13.411	32.505	13.407	24.381	354.6	0.106	89.2	0.23
40	13.384	32.503	13.378	24.385	354.4	0.142	89.2	0.25
50	12.817	32.523	12.810	24.512	342.5	0.177	88.8	0.37
60	11.982	32.566	11.974	24.705	324.3	0.210	87.2	1.18
70	11.453	32.612	11.444	24.838	311.8	0.242	88.6	0.94
80	10.996	32.675	10.987	24.969	299.5	0.273	89.5	0.68
90	10.593	32.812	10.583	25.145	282.9	0.302	90.7	0.33
100	10.398	32.889	10.387	25.239	274.2	0.329	91.0	0.16
110	10.297	32.936	10.285	25.293	269.2	0.357	91.1	0.14
120	10.046	33.039	10.033	25.416	257.7	0.383	91.0	0.13
130	9.364	33.285	9.350	25.720	228.9	0.408	91.0	0.14
140	9.122	33.411	9.107	25.858	215.9	0.430	90.8	0.16
150	8.845	33.511	8.830	25.980	204.5	0.451	91.0	0.13
175	8.508	33.609	8.490	26.108	192.6	0.500	90.9	0.14
200	7.953	33.807	7.933	26.347	170.2	0.546	90.9	0.13
225	7.626	33.887	7.604	26.458	160.0	0.587	90.9	0.13
250	7.410	33.941	7.386	26.532	153.4	0.626	90.9	0.13
300	6.840	33.969	6.813	26.632	144.3	0.701	91.0	0.13
400	5.689	33.986	5.656	26.794	129.5	0.839	91.1	0.14
500	5.153	34.081	5.113	26.934	117.0	0.961	91.1	0.14
501	5.113	34.075	5.073	26.934	116.9	0.962	91.0	0.14



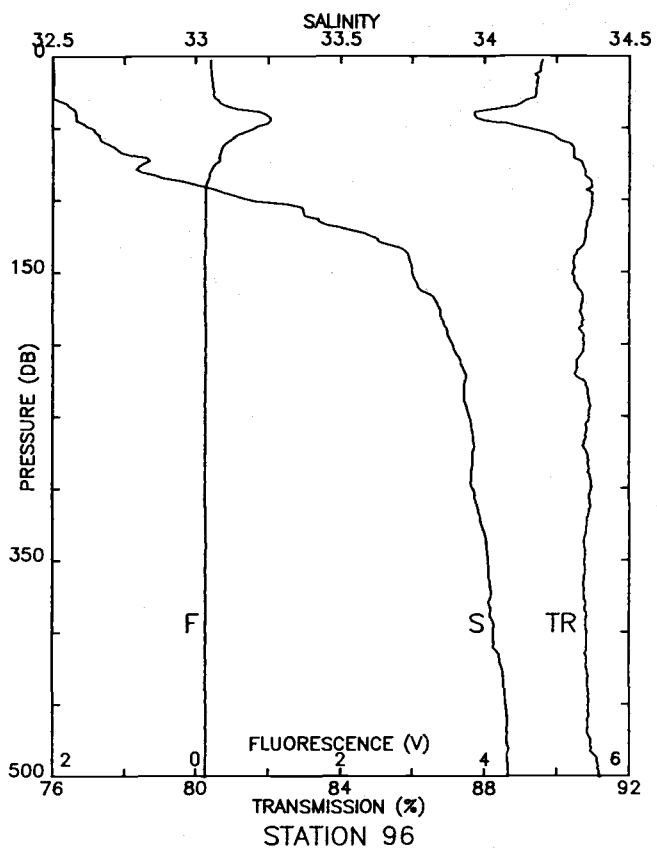
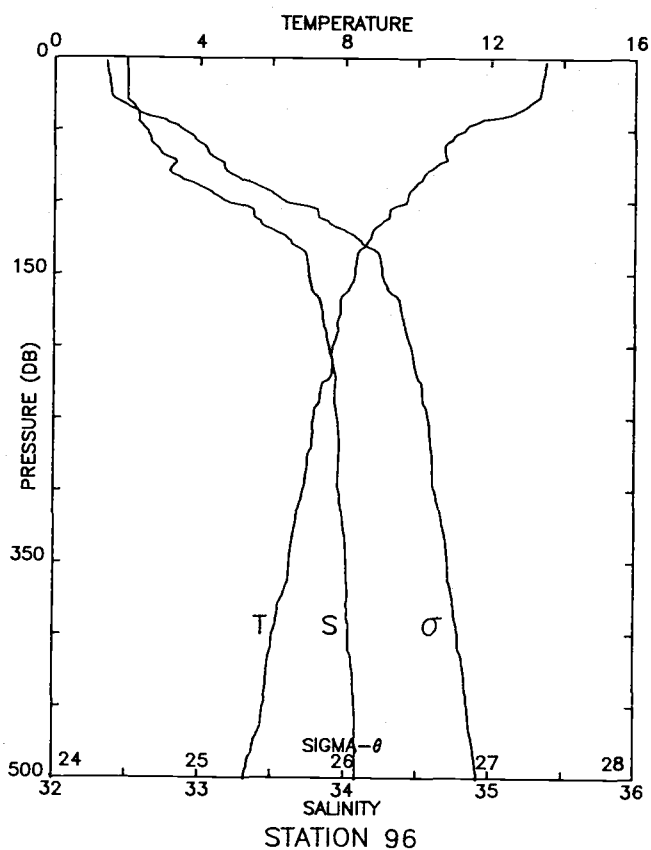
STA NO 94 LAT: 41 7.5 N LONG:126 10.0 W
 16 JUN 1987 0650 GMT PROBE 2561 DEPTH 2934M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
3	13.473	32.517	13.473	24.377	354.2	0.011	89.4	0.19
10	13.470	32.515	13.469	24.376	354.5	0.035	89.3	0.21
20	13.388	32.507	13.385	24.386	353.8	0.071	89.0	0.23
30	13.361	32.508	13.357	24.393	353.4	0.106	88.0	0.25
40	13.305	32.507	13.300	24.404	352.6	0.142	89.1	0.29
50	12.816	32.513	12.810	24.504	343.2	0.176	89.0	0.42
60	12.048	32.599	12.040	24.717	323.1	0.210	88.2	1.05
70	11.376	32.668	11.367	24.895	306.4	0.241	89.1	0.81
80	11.029	32.718	11.019	24.996	297.0	0.271	89.8	0.58
90	10.680	32.743	10.670	25.076	289.5	0.300	90.1	0.48
100	10.309	32.856	10.298	25.228	275.2	0.329	90.2	0.34
110	9.982	32.981	9.970	25.381	260.8	0.355	90.4	0.21
120	9.739	33.098	9.726	25.513	248.4	0.381	90.7	0.16
130	9.304	33.250	9.290	25.702	230.5	0.405	90.5	0.14
140	9.025	33.391	9.010	25.857	216.0	0.427	90.4	0.14
150	8.898	33.438	8.882	25.914	210.7	0.448	90.5	0.14
175	8.368	33.663	8.351	26.172	186.6	0.499	90.5	0.14
200	8.027	33.790	8.007	26.323	172.6	0.544	90.7	0.14
225	7.661	33.878	7.639	26.445	161.3	0.585	90.8	0.14
250	7.245	33.945	7.221	26.557	150.9	0.625	90.9	0.14
300	6.474	33.951	6.447	26.667	140.8	0.698	91.0	0.13
400	5.781	34.036	5.747	26.822	126.9	0.831	91.1	0.14
500	4.950	34.081	4.911	26.957	114.5	0.952	91.2	0.14
501	4.944	34.081	4.904	26.958	114.4	0.953	91.2	0.13



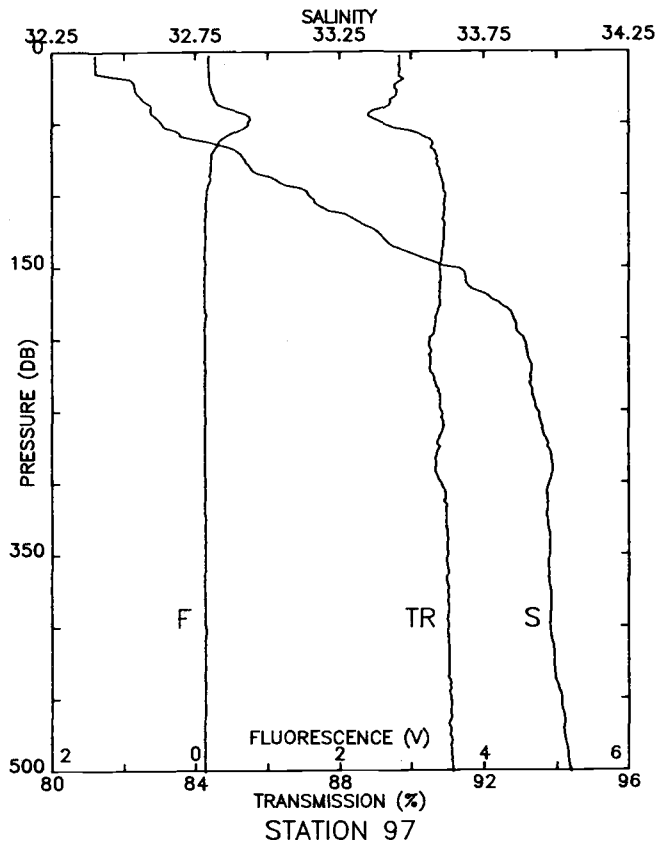
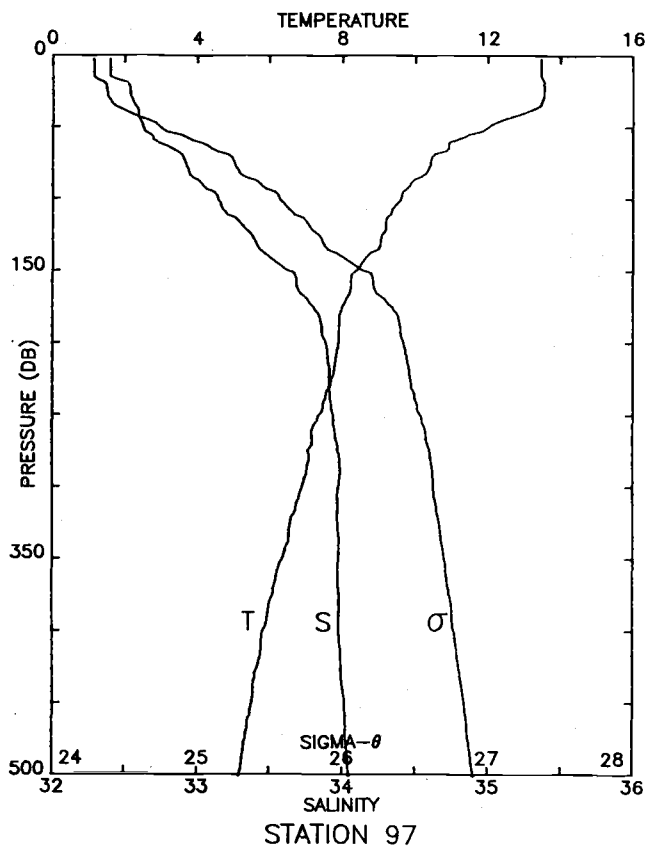
STA NO 95 LAT: 40 59.9 N LONG: 126 10.1 W
 16 JUN 1987 0759 GMT PROBE 2561 DEPTH 3100M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	13.515	32.507	13.515	24.361	355.7	0.011	89.5	0.20
10	13.514	32.507	13.513	24.361	355.9	0.036	89.2	0.21
20	13.356	32.501	13.354	24.388	353.6	0.071	89.2	0.21
30	13.331	32.502	13.327	24.394	353.3	0.106	88.8	0.22
40	13.262	32.506	13.257	24.411	351.9	0.142	89.2	0.27
50	12.986	32.517	12.980	24.474	346.1	0.177	88.9	0.41
60	12.056	32.558	12.049	24.684	326.3	0.210	86.7	1.18
70	11.413	32.609	11.404	24.842	311.4	0.242	89.0	0.90
80	10.926	32.651	10.916	24.962	300.2	0.273	90.0	0.54
90	10.483	32.770	10.472	25.132	284.2	0.302	90.7	0.26
100	10.259	32.905	10.248	25.275	270.7	0.330	90.9	0.19
110	9.818	33.189	9.805	25.571	242.8	0.356	91.0	0.14
120	9.233	33.352	9.220	25.793	221.7	0.379	90.9	0.14
130	8.768	33.589	8.754	26.052	197.2	0.400	90.8	0.15
140	8.580	33.668	8.566	26.143	188.7	0.419	90.8	0.13
150	8.439	33.732	8.424	26.215	182.0	0.438	90.8	0.13
175	8.095	33.850	8.077	26.360	168.7	0.481	90.6	0.13
200	7.862	33.907	7.842	26.439	161.5	0.523	90.5	0.14
225	7.535	33.941	7.513	26.513	154.8	0.562	90.5	0.13
250	7.330	33.951	7.306	26.551	151.5	0.600	90.7	0.13
300	6.516	33.998	6.490	26.698	137.8	0.672	90.8	0.14
400	5.949	34.053	5.915	26.815	127.8	0.805	90.8	0.14
500	5.268	34.091	5.227	26.928	117.6	0.928	91.1	0.15
501	5.254	34.092	5.213	26.931	117.4	0.929	91.1	0.14



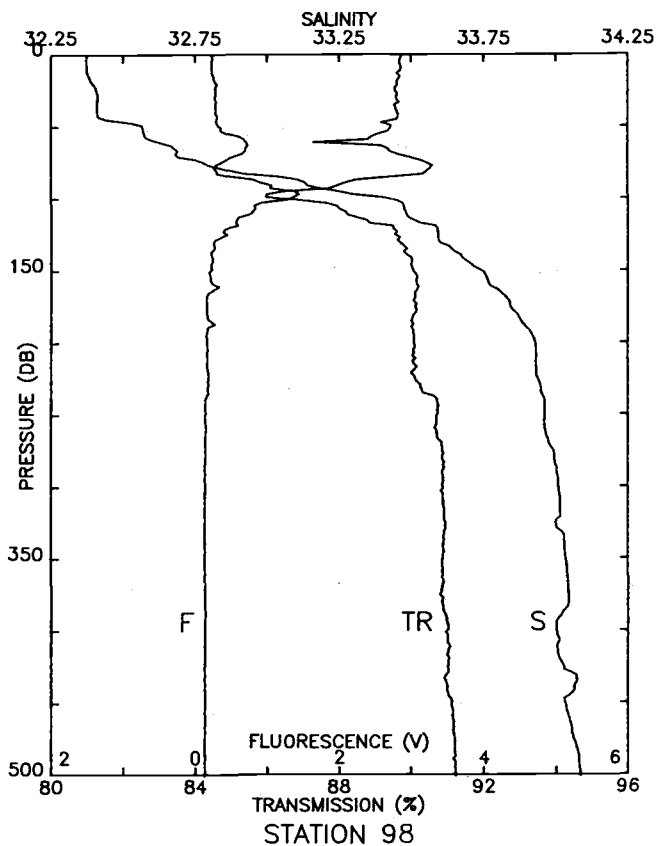
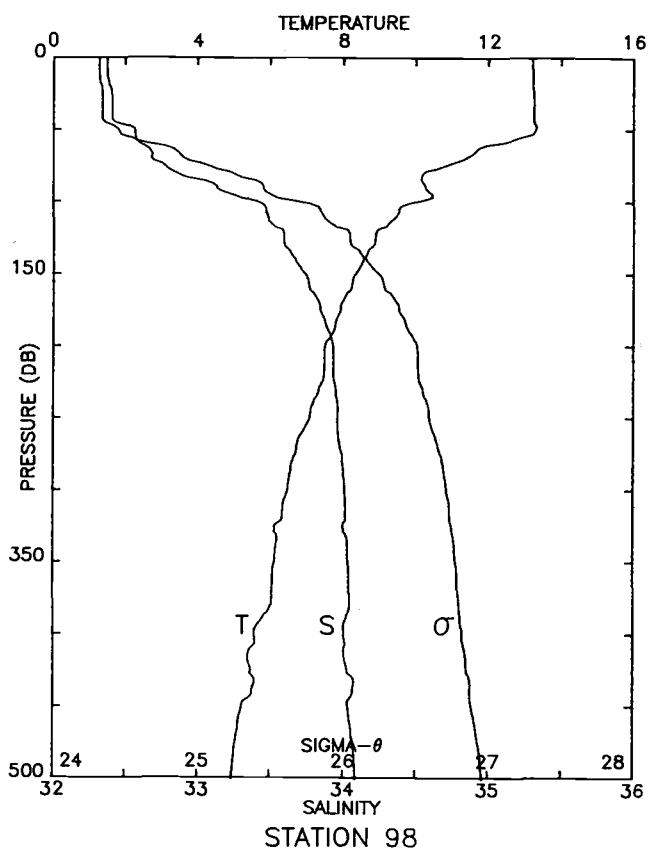
STA NO 96 LAT: 40 52.4 N LONG: 126 10.0 W
16 JUN 1987 0904 GMT PROBE 2561 DEPTH 3127M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
3	13.494	32.501	13.494	24.360	355.8	0.011	89.6	0.21
10	13.460	32.503	13.459	24.369	355.2	0.036	89.6	0.22
20	13.377	32.504	13.374	24.386	353.7	0.071	89.5	0.24
30	13.155	32.511	13.151	24.436	349.3	0.106	89.3	0.29
40	12.460	32.582	12.455	24.626	331.4	0.140	87.7	0.94
50	11.297	32.633	11.291	24.881	307.2	0.172	89.1	0.82
60	10.756	32.680	10.749	25.013	294.8	0.202	90.3	0.43
70	10.777	32.801	10.768	25.104	286.4	0.231	90.5	0.33
80	10.209	32.800	10.200	25.201	277.3	0.259	90.8	0.21
90	9.875	33.011	9.865	25.422	256.5	0.286	91.0	0.14
100	9.672	33.185	9.661	25.592	240.5	0.311	91.0	0.13
110	9.194	33.373	9.182	25.816	219.3	0.333	90.9	0.14
120	8.745	33.516	8.732	25.998	202.1	0.354	90.8	0.13
130	8.548	33.648	8.535	26.132	189.6	0.374	90.8	0.14
140	8.300	33.739	8.285	26.242	179.3	0.392	90.5	0.12
150	8.264	33.750	8.249	26.256	178.2	0.410	90.4	0.13
175	7.881	33.846	7.863	26.388	165.9	0.453	90.7	0.14
200	7.649	33.889	7.630	26.455	159.9	0.494	90.8	0.14
225	7.384	33.934	7.362	26.529	153.2	0.533	90.7	0.14
250	7.132	33.948	7.109	26.575	149.1	0.571	90.9	0.13
300	6.854	33.960	6.827	26.623	145.2	0.645	91.0	0.14
400	6.033	34.032	5.999	26.788	130.4	0.782	90.8	0.14
500	5.270	34.082	5.229	26.921	118.3	0.906	91.2	0.14
501	5.268	34.082	5.227	26.921	118.3	0.908	91.2	0.14



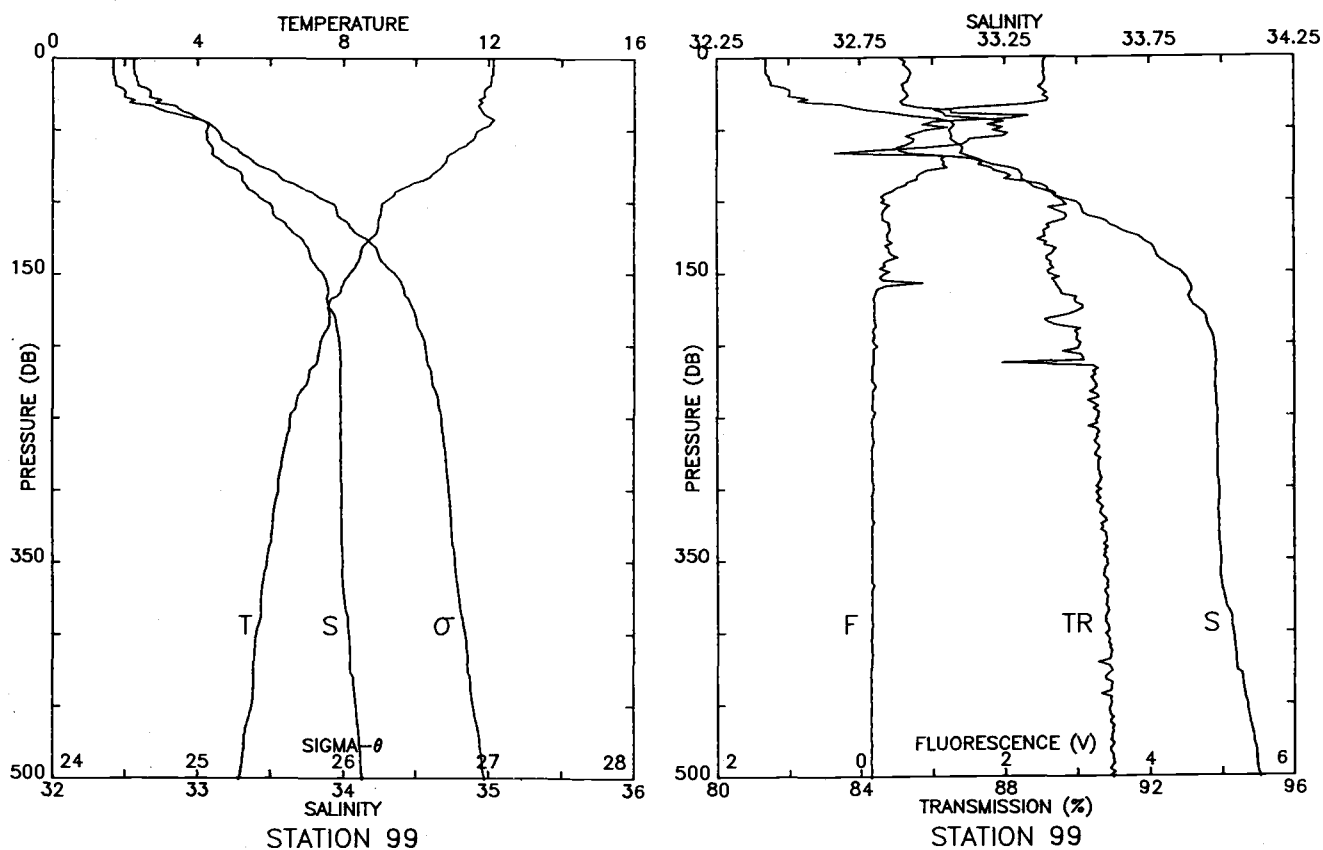
STA NO 97 LAT: 40 44.8 N LONG: 126 9.8 W
16 JUN 1987 1007 GMT PROBE 2561 DEPTH 3118M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	13.469	32.400	13.469	24.287	362.8	0.011	89.7	0.19
10	13.467	32.399	13.466	24.287	362.9	0.036	89.7	0.18
20	13.552	32.526	13.549	24.368	355.5	0.072	89.7	0.19
30	13.525	32.550	13.521	24.392	353.4	0.108	89.6	0.24
40	12.991	32.594	12.985	24.533	340.3	0.143	89.1	0.47
50	12.004	32.631	11.998	24.751	319.7	0.176	89.2	0.73
60	11.030	32.723	11.023	24.999	296.2	0.206	90.4	0.40
70	10.500	32.900	10.492	25.229	274.5	0.235	90.7	0.24
80	10.354	32.940	10.345	25.286	269.3	0.262	90.7	0.22
90	9.863	33.035	9.853	25.443	254.5	0.288	90.9	0.20
100	9.596	33.143	9.585	25.571	242.5	0.313	90.9	0.15
110	9.318	33.203	9.306	25.663	233.9	0.337	90.9	0.15
120	9.174	33.329	9.161	25.784	222.5	0.360	90.9	0.13
130	9.030	33.405	9.016	25.867	214.9	0.382	90.9	0.14
140	8.639	33.496	8.625	25.999	202.4	0.403	90.8	0.13
150	8.334	33.637	8.319	26.157	187.6	0.422	90.8	0.13
175	7.978	33.803	7.960	26.340	170.5	0.467	90.8	0.13
200	7.886	33.885	7.866	26.418	163.5	0.509	90.5	0.13
225	7.692	33.907	7.670	26.464	159.5	0.549	90.6	0.14
250	7.359	33.933	7.335	26.532	153.3	0.588	90.8	0.13
300	6.903	33.973	6.875	26.627	144.8	0.662	90.8	0.14
400	5.828	33.977	5.794	26.770	131.9	0.800	91.0	0.15
500	5.180	34.049	5.140	26.905	119.7	0.926	91.1	0.14
501	5.175	34.050	5.135	26.906	119.6	0.927	91.2	0.14



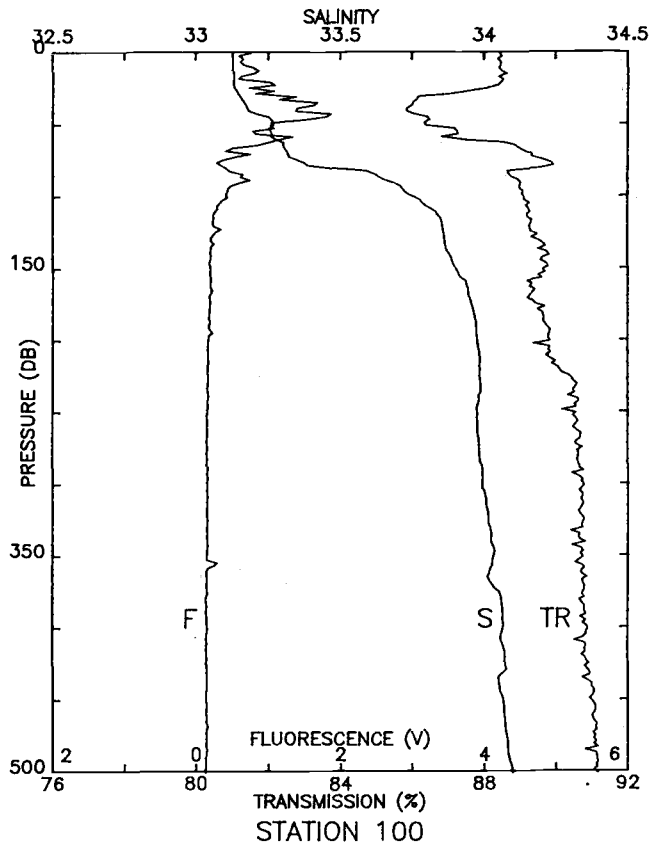
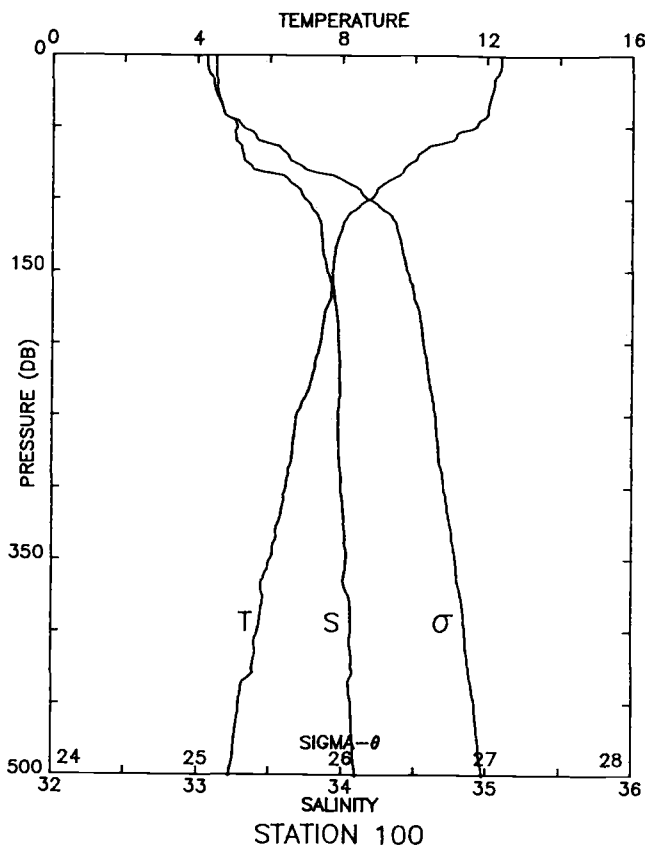
STA NO 98 LAT: 40 37.2 N LONG: 126 10.1 W
 16 JUN 1987 1109 GMT PROBE 2561 DEPTH 3119M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	13.199	32.373	13.199	24.320	359.6	0.004	89.7	0.23
10	13.210	32.374	13.209	24.319	359.9	0.036	89.7	0.23
20	13.208	32.394	13.206	24.335	358.6	0.072	89.6	0.30
30	13.243	32.411	13.239	24.341	358.3	0.108	89.6	0.28
40	13.241	32.410	13.235	24.341	358.5	0.144	89.6	0.29
50	13.282	32.567	13.275	24.455	348.0	0.179	89.4	0.34
60	12.155	32.614	12.147	24.709	323.9	0.213	88.0	0.70
70	11.343	32.686	11.335	24.915	304.5	0.244	89.8	0.60
80	10.216	32.856	10.207	25.244	273.2	0.273	90.5	0.28
90	10.264	33.137	10.253	25.455	253.4	0.299	88.0	0.98
100	10.002	33.426	9.991	25.725	228.0	0.324	86.4	1.32
110	9.429	33.483	9.417	25.864	214.8	0.346	88.2	0.78
120	8.893	33.589	8.880	26.032	199.0	0.366	89.5	0.50
130	8.801	33.599	8.787	26.055	196.9	0.386	89.7	0.26
140	8.524	33.674	8.510	26.156	187.5	0.405	90.0	0.23
150	8.302	33.743	8.287	26.244	179.3	0.424	90.1	0.22
175	7.910	33.843	7.893	26.381	166.6	0.467	90.1	0.16
200	7.488	33.929	7.469	26.510	154.7	0.507	90.1	0.17
225	7.422	33.938	7.400	26.527	153.4	0.546	90.1	0.18
250	7.077	33.961	7.054	26.593	147.3	0.583	90.7	0.14
300	6.475	34.009	6.448	26.712	136.5	0.654	90.9	0.14
400	5.566	34.002	5.533	26.821	126.8	0.785	91.0	0.14
500	4.953	34.086	4.914	26.961	114.2	0.905	91.2	0.13
501	4.952	34.086	4.913	26.961	114.2	0.906	91.2	0.13



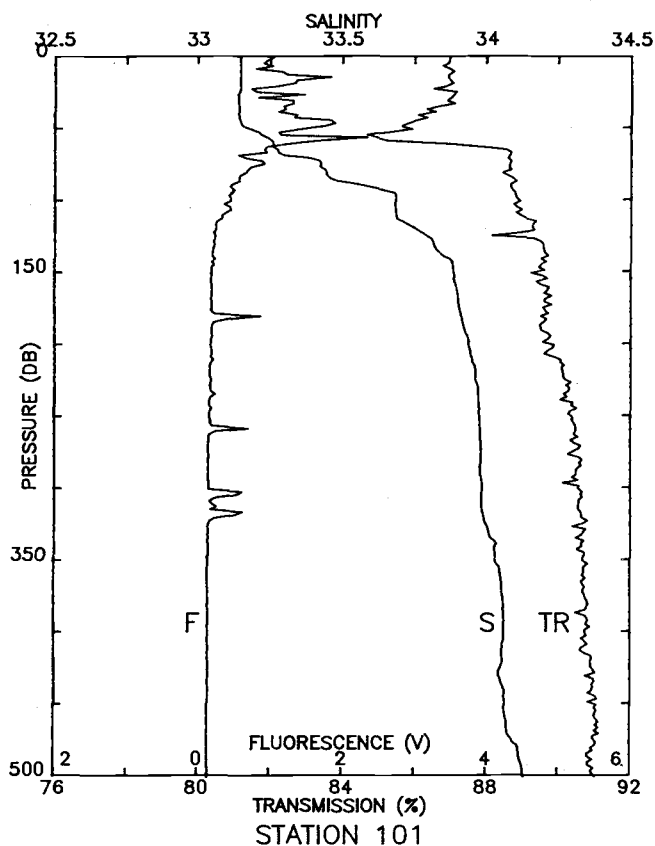
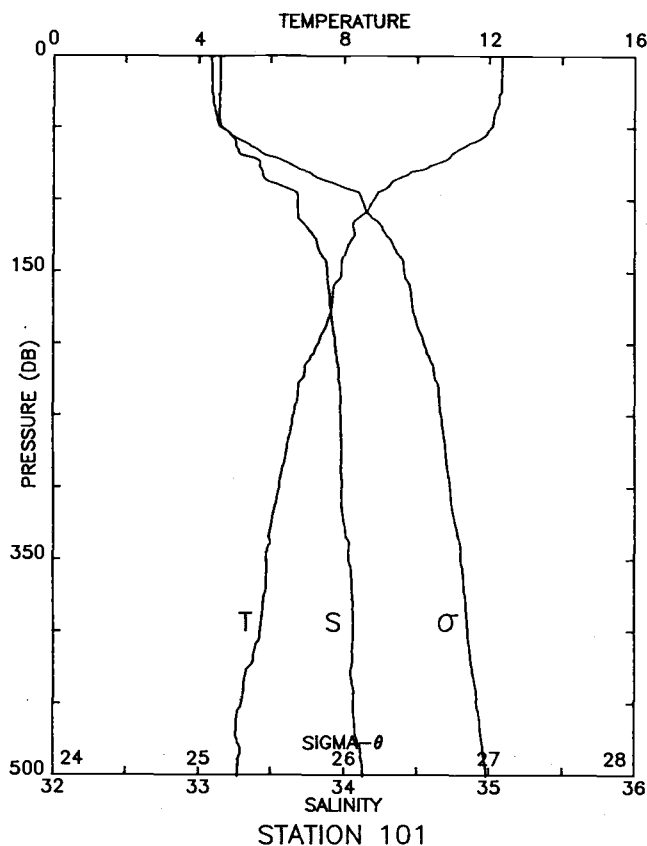
STA NO 99 LAT: 40 29.8 N LONG: 126 10.1 W
 16 JUN 1987 1211 GMT PROBE 2561 DEPTH 3096M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	12.128	32.419	12.128	24.562	336.5	0.003	89.1	0.56
10	12.119	32.418	12.118	24.563	336.6	0.034	89.1	0.70
20	11.988	32.460	11.985	24.620	331.4	0.067	89.0	0.58
30	11.777	32.550	11.773	24.729	321.3	0.100	89.2	0.59
40	11.927	32.896	11.922	24.970	298.6	0.131	86.3	1.79
50	11.747	33.061	11.741	25.132	283.4	0.160	87.8	1.05
60	11.401	33.084	11.394	25.213	275.9	0.188	86.9	0.68
70	10.835	33.142	10.827	25.360	262.1	0.215	86.8	1.15
80	10.505	33.301	10.496	25.542	245.0	0.240	87.9	0.88
90	9.702	33.346	9.692	25.712	228.9	0.264	89.1	0.57
100	9.125	33.480	9.114	25.910	210.2	0.286	89.6	0.32
110	8.999	33.533	8.987	25.972	204.5	0.306	89.7	0.31
120	8.923	33.647	8.910	26.073	195.1	0.326	89.1	0.41
130	8.535	33.747	8.521	26.212	182.0	0.345	89.1	0.40
140	8.408	33.783	8.394	26.259	177.7	0.363	89.2	0.46
150	8.144	33.861	8.129	26.360	168.2	0.380	89.2	0.37
175	7.570	33.917	7.553	26.488	156.3	0.421	90.2	0.20
200	7.336	33.973	7.317	26.566	149.2	0.459	90.1	0.21
225	7.008	33.976	6.987	26.614	144.9	0.496	90.5	0.16
250	6.547	33.983	6.524	26.682	138.7	0.531	90.6	0.18
300	6.221	33.991	6.195	26.731	134.6	0.600	90.6	0.18
400	5.616	34.037	5.583	26.844	124.7	0.730	90.8	0.15
500	5.140	34.131	5.100	26.975	113.1	0.850	91.0	0.14
501	5.132	34.132	5.092	26.976	113.0	0.851	91.0	0.15



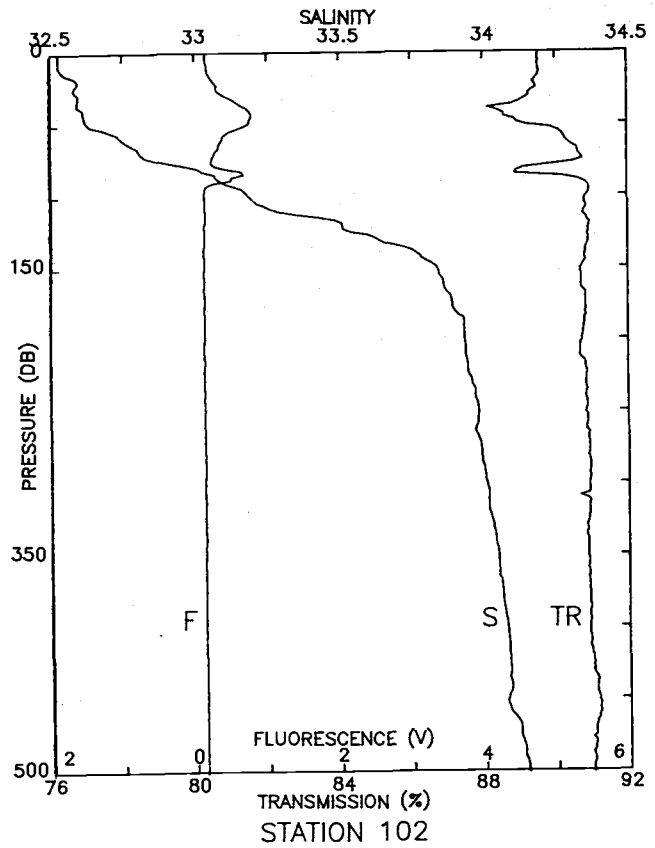
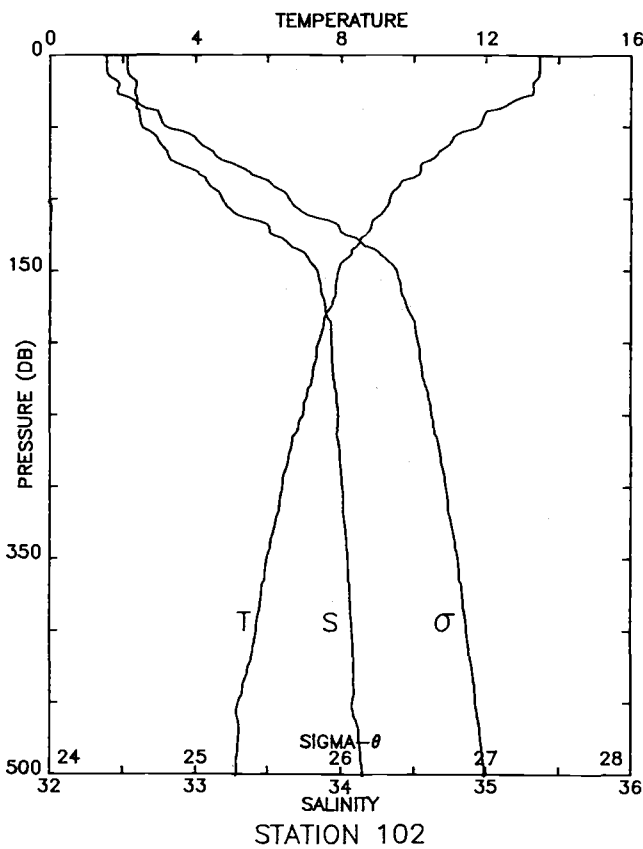
STA NO 100 LAT: 40 22.4 N LONG:126 10.0 W
 16 JUN 1987 1321 GMT PROBE 2561 DEPTH 2843M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	12.375	33.127	12.375	25.064	288.7	0.003	88.5	0.75
10	12.346	33.128	12.345	25.070	288.3	0.029	88.5	0.73
20	12.165	33.130	12.162	25.107	285.1	0.057	88.5	0.81
30	12.062	33.148	12.058	25.141	282.1	0.086	86.6	1.10
40	11.995	33.180	11.990	25.178	278.8	0.114	85.9	1.38
50	11.626	33.267	11.620	25.315	266.0	0.141	86.4	1.03
60	10.892	33.270	10.885	25.450	253.4	0.167	87.1	1.23
70	10.059	33.316	10.051	25.629	236.4	0.191	89.2	0.58
80	9.674	33.425	9.665	25.778	222.4	0.214	89.7	0.39
90	9.067	33.671	9.057	26.069	194.9	0.235	89.0	0.67
100	8.715	33.750	8.704	26.186	184.0	0.254	89.1	0.42
110	8.169	33.826	8.158	26.329	170.5	0.272	89.3	0.28
120	7.982	33.855	7.971	26.379	165.8	0.288	89.3	0.24
130	7.850	33.864	7.837	26.405	163.5	0.305	89.4	0.21
140	7.771	33.878	7.757	26.429	161.4	0.321	89.8	0.20
150	7.731	33.901	7.716	26.452	159.4	0.337	89.7	0.20
175	7.557	33.956	7.540	26.521	153.2	0.376	89.4	0.19
200	7.391	33.976	7.372	26.561	149.8	0.414	89.8	0.17
225	7.159	33.984	7.138	26.600	146.4	0.451	90.4	0.16
250	6.746	33.975	6.724	26.649	141.9	0.487	90.4	0.15
300	6.447	33.993	6.420	26.703	137.4	0.557	90.8	0.15
400	5.691	34.065	5.657	26.857	123.6	0.687	90.9	0.15
500	4.902	34.099	4.863	26.977	112.6	0.805	91.1	0.14
501	4.896	34.100	4.857	26.978	112.5	0.806	91.2	0.14



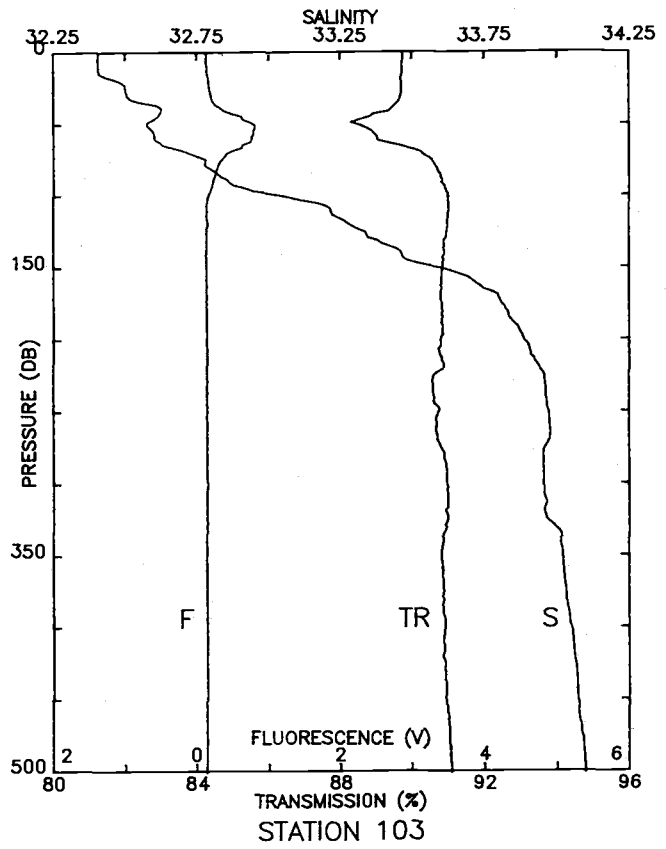
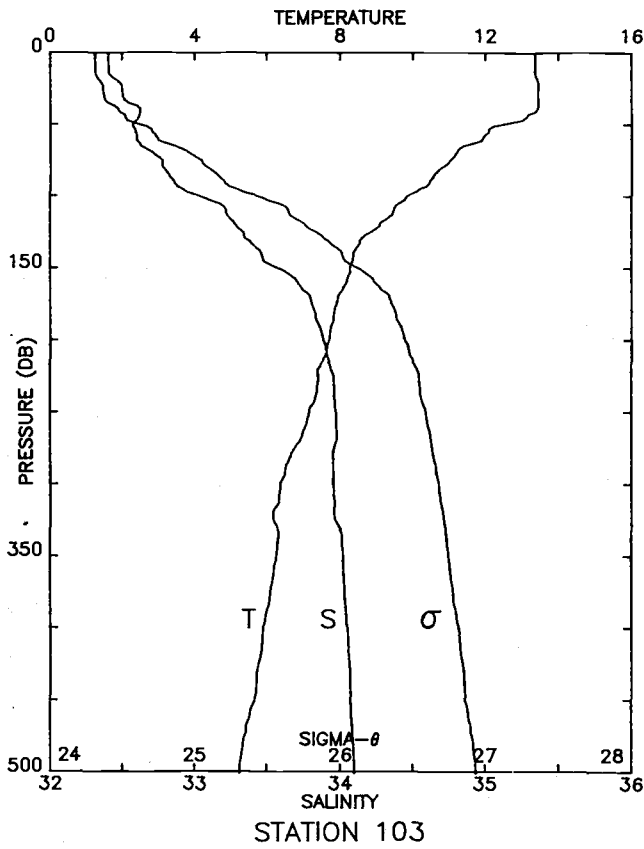
STA NO 101 LAT: 40 14.8 N LONG: 126 9.9 W
 16 JUN 1987 1424 GMT PROBE 2561 DEPTH 4015M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP			THETA				
1	12.343	33.147	12.343	25.086	286.6	0.003	87.0	1.04
10	12.331	33.146	12.330	25.088	286.7	0.029	87.0	0.98
20	12.323	33.146	12.320	25.090	286.7	0.057	87.0	1.22
30	12.253	33.139	12.249	25.098	286.2	0.086	87.0	1.07
40	12.146	33.142	12.141	25.120	284.3	0.115	86.3	1.24
50	12.052	33.169	12.045	25.159	280.9	0.143	85.8	1.58
60	11.554	33.260	11.547	25.322	265.5	0.170	86.1	1.47
70	10.917	33.345	10.909	25.503	248.5	0.196	88.6	0.61
80	10.026	33.443	10.017	25.733	226.7	0.220	88.6	0.68
90	9.239	33.567	9.229	25.960	205.3	0.241	88.7	0.46
100	8.807	33.684	8.797	26.120	190.2	0.261	88.9	0.46
110	8.525	33.686	8.514	26.165	186.1	0.280	88.9	0.36
120	8.244	33.755	8.232	26.262	177.0	0.298	89.3	0.25
130	8.128	33.816	8.115	26.327	171.0	0.315	89.5	0.22
140	7.968	33.862	7.954	26.387	165.4	0.332	89.6	0.21
150	7.926	33.887	7.911	26.413	163.1	0.349	89.4	0.19
175	7.650	33.907	7.633	26.469	158.2	0.389	89.6	0.20
200	7.280	33.940	7.262	26.548	151.0	0.427	89.7	0.18
225	6.855	33.961	6.834	26.623	144.1	0.464	90.2	0.19
250	6.621	33.978	6.599	26.668	140.0	0.499	90.3	0.17
300	6.226	33.987	6.200	26.727	134.9	0.568	90.6	0.16
400	5.700	34.063	5.667	26.854	123.9	0.697	90.7	0.14
500	5.083	34.131	5.043	26.981	112.4	0.815	91.0	0.15
501	5.082	34.131	5.042	26.982	112.4	0.816	91.0	0.15



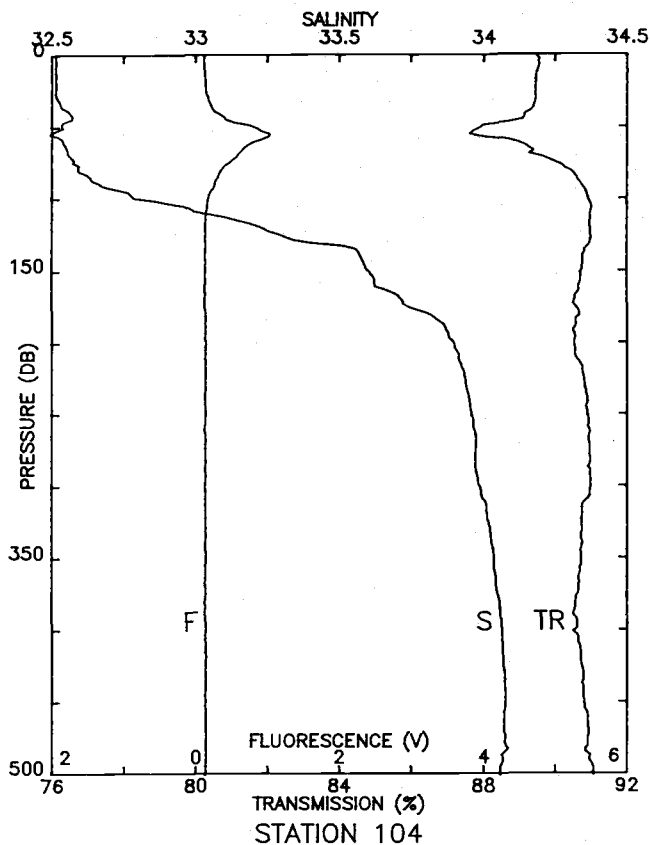
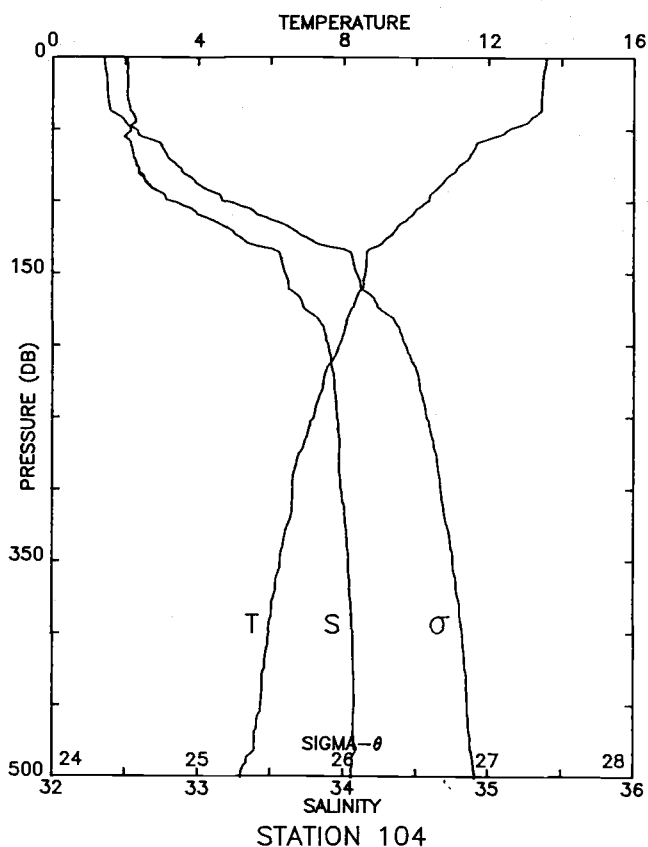
STA NO 102 LAT: 40 7.4 N LONG: 126 10.0 W
 16 JUN 1987 1533 GMT PROBE 2561 DEPTH 4033M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	13.460	32.528	13.460	24.388	353.1	0.004	89.5	0.15
10	13.461	32.530	13.460	24.389	353.2	0.035	89.5	0.17
20	13.283	32.595	13.280	24.475	345.3	0.070	89.4	0.26
30	12.893	32.597	12.889	24.554	338.0	0.105	89.3	0.42
40	11.971	32.613	11.966	24.743	320.2	0.138	88.3	0.75
50	11.750	32.633	11.744	24.800	315.0	0.170	89.1	0.73
60	11.029	32.748	11.022	25.018	294.4	0.200	90.3	0.38
70	10.614	32.813	10.605	25.142	282.8	0.229	90.6	0.28
80	10.177	32.992	10.168	25.357	262.5	0.256	89.5	0.36
90	9.599	33.096	9.589	25.534	245.8	0.281	90.7	0.38
100	9.324	33.188	9.314	25.650	234.9	0.305	90.9	0.14
110	9.103	33.273	9.091	25.752	225.4	0.328	90.8	0.14
120	8.787	33.510	8.775	25.987	203.2	0.350	90.9	0.13
130	8.477	33.634	8.463	26.132	189.6	0.369	90.9	0.13
140	8.196	33.771	8.182	26.282	175.4	0.388	90.8	0.12
150	7.903	33.839	7.889	26.379	166.4	0.405	90.7	0.12
175	7.707	33.892	7.690	26.449	160.0	0.445	90.8	0.13
200	7.375	33.934	7.356	26.530	152.7	0.484	90.7	0.13
225	7.207	33.949	7.185	26.566	149.6	0.522	90.8	0.13
250	6.969	33.982	6.946	26.624	144.4	0.559	90.8	0.14
300	6.393	34.008	6.366	26.722	135.5	0.629	90.9	0.13
400	5.681	34.077	5.647	26.867	122.6	0.757	90.9	0.13
500	5.120	34.148	5.080	26.990	111.6	0.874	91.0	0.14
501	5.117	34.148	5.076	26.991	111.5	0.875	91.0	0.14



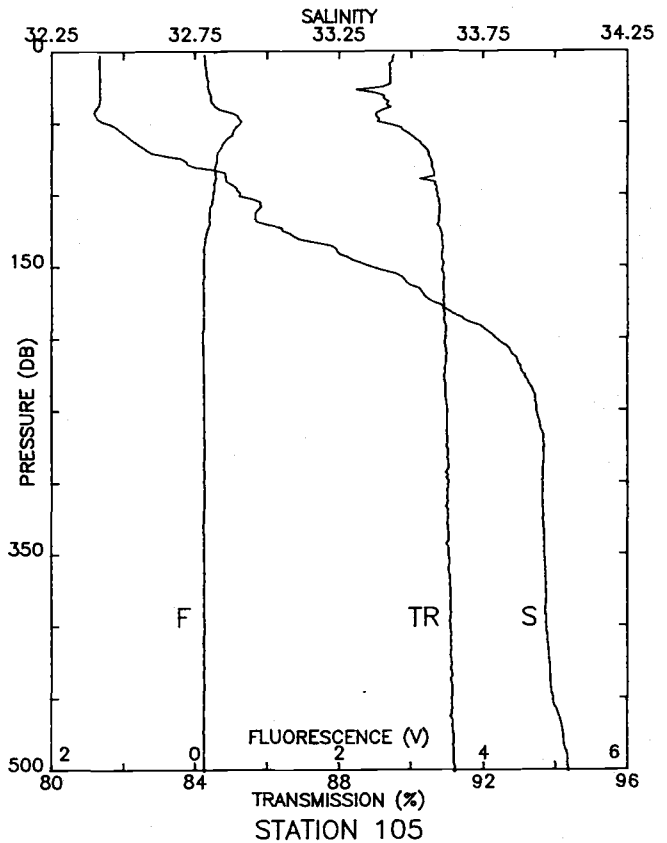
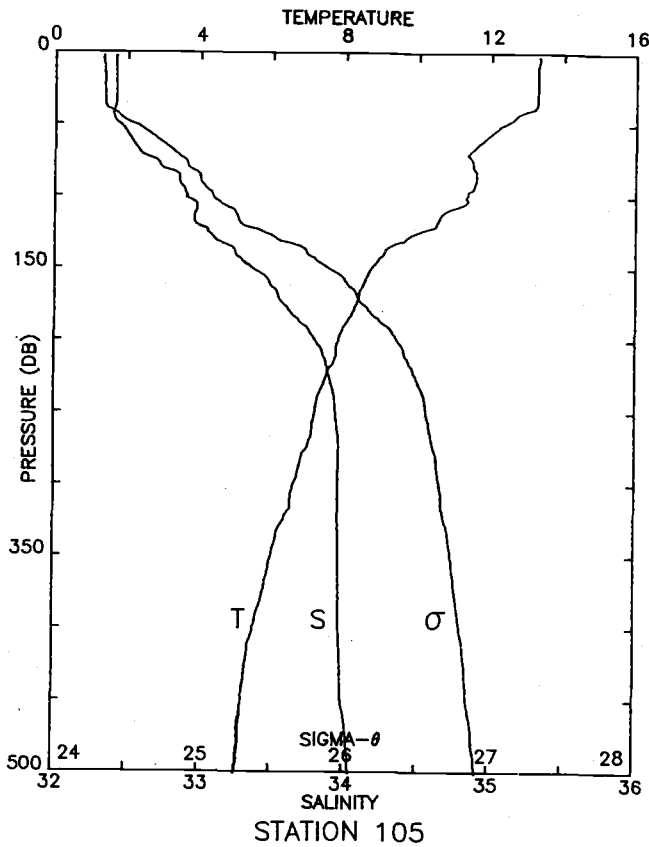
STA NO 103 LAT: 40 0.0 N LONG: 126 9.9 W
 16 JUN 1987 1645 GMT PROBE 2561 DEPTH 4066M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	13.366	32.406	13.366	24.312	360.3	0.004	89.7	0.13
10	13.354	32.405	13.353	24.314	360.4	0.036	89.7	0.14
20	13.434	32.472	13.431	24.351	357.1	0.072	89.7	0.16
30	13.438	32.506	13.434	24.376	355.0	0.108	89.7	0.20
40	13.391	32.625	13.385	24.478	345.5	0.143	89.4	0.35
50	12.405	32.575	12.399	24.632	331.1	0.177	88.4	0.77
60	11.899	32.602	11.891	24.748	320.2	0.209	89.0	0.76
70	11.180	32.718	11.172	24.969	299.3	0.240	90.3	0.45
80	10.784	32.785	10.775	25.091	287.9	0.269	90.7	0.29
90	10.446	32.859	10.436	25.207	277.0	0.298	90.8	0.22
100	9.862	33.040	9.851	25.447	254.3	0.324	91.0	0.16
110	9.472	33.217	9.460	25.650	235.2	0.349	91.0	0.14
120	9.087	33.284	9.074	25.763	224.5	0.372	91.0	0.15
130	8.577	33.364	8.564	25.905	211.1	0.393	90.9	0.14
140	8.368	33.463	8.354	26.015	200.8	0.414	90.9	0.13
150	8.265	33.583	8.250	26.124	190.6	0.434	90.8	0.13
175	7.894	33.808	7.877	26.356	169.0	0.478	90.8	0.14
200	7.690	33.885	7.671	26.446	160.8	0.519	90.8	0.14
225	7.403	33.957	7.381	26.544	151.8	0.558	90.6	0.14
250	7.149	33.971	7.126	26.591	147.6	0.596	90.7	0.14
300	6.369	33.952	6.343	26.681	139.4	0.668	91.0	0.16
400	5.891	34.050	5.857	26.820	127.2	0.801	90.9	0.14
500	5.246	34.099	5.205	26.937	116.8	0.924	91.1	0.14
501	5.244	34.099	5.203	26.938	116.7	0.925	91.1	0.14



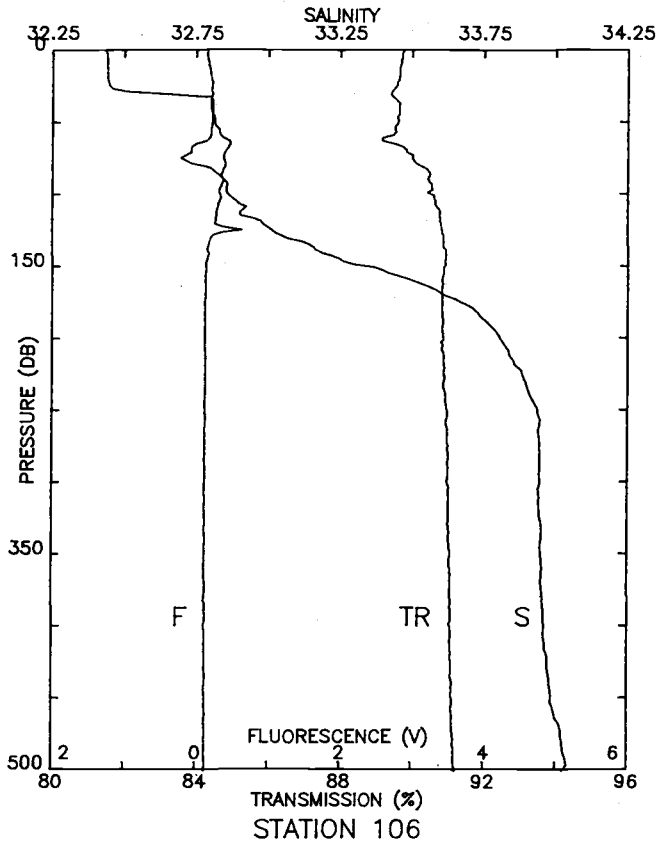
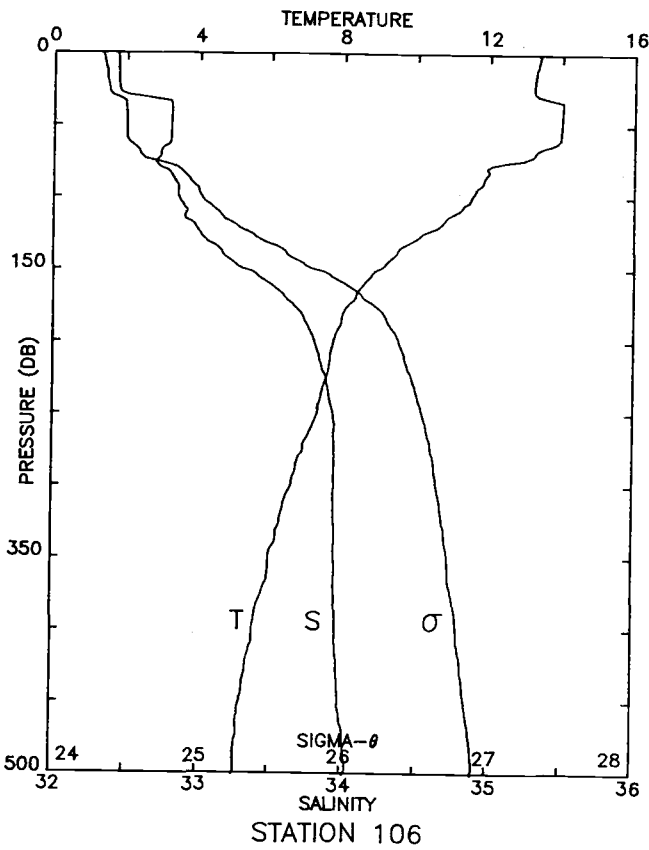
STA NO 104 LAT: 40 0.0 N LONG: 126 20.0 W
 16 JUN 1987 1809 GMT PROBE 2561 DEPTH 4197M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	13.566	32.513	13.566	24.355	356.2	0.004	89.5	0.11
10	13.498	32.513	13.497	24.369	355.2	0.036	89.5	0.12
20	13.467	32.515	13.464	24.377	354.7	0.071	89.5	0.13
30	13.431	32.518	13.427	24.387	354.0	0.107	89.5	0.18
40	13.267	32.560	13.262	24.452	348.0	0.142	89.2	0.30
50	12.539	32.536	12.533	24.576	336.4	0.176	87.9	0.80
60	11.664	32.539	11.656	24.742	320.7	0.209	88.8	0.86
70	11.442	32.561	11.433	24.800	315.4	0.241	89.4	0.58
80	11.027	32.593	11.017	24.899	306.2	0.272	90.4	0.36
90	10.610	32.671	10.600	25.033	293.6	0.302	90.7	0.26
100	10.294	32.820	10.283	25.203	277.6	0.330	90.9	0.17
110	9.834	33.022	9.822	25.438	255.4	0.357	91.0	0.14
120	9.399	33.224	9.386	25.667	233.7	0.381	91.0	0.13
130	8.976	33.371	8.962	25.849	216.5	0.404	91.0	0.13
140	8.618	33.574	8.603	26.064	196.2	0.424	90.8	0.13
150	8.581	33.601	8.565	26.091	193.9	0.443	90.7	0.13
175	8.208	33.739	8.191	26.255	178.6	0.490	90.6	0.12
200	7.873	33.895	7.853	26.428	162.6	0.532	90.5	0.14
225	7.442	33.936	7.421	26.522	153.9	0.572	90.8	0.14
250	7.176	33.958	7.153	26.577	149.0	0.610	90.9	0.13
300	6.610	33.985	6.583	26.675	140.1	0.682	91.0	0.13
400	5.947	34.063	5.913	26.823	127.0	0.814	90.5	0.13
500	5.179	34.058	5.138	26.913	119.0	0.938	91.1	0.13
501	5.177	34.058	5.137	26.913	119.0	0.939	91.1	0.13



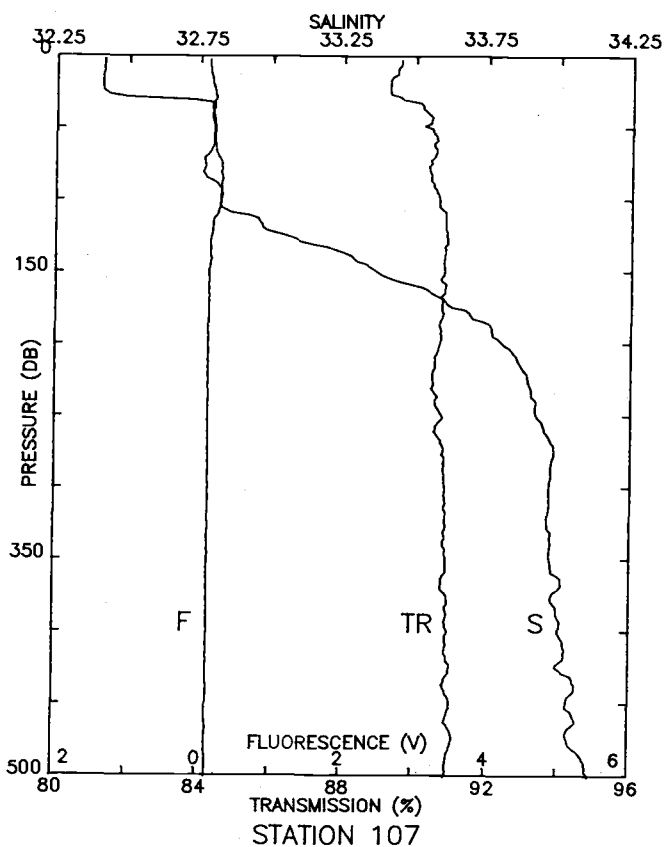
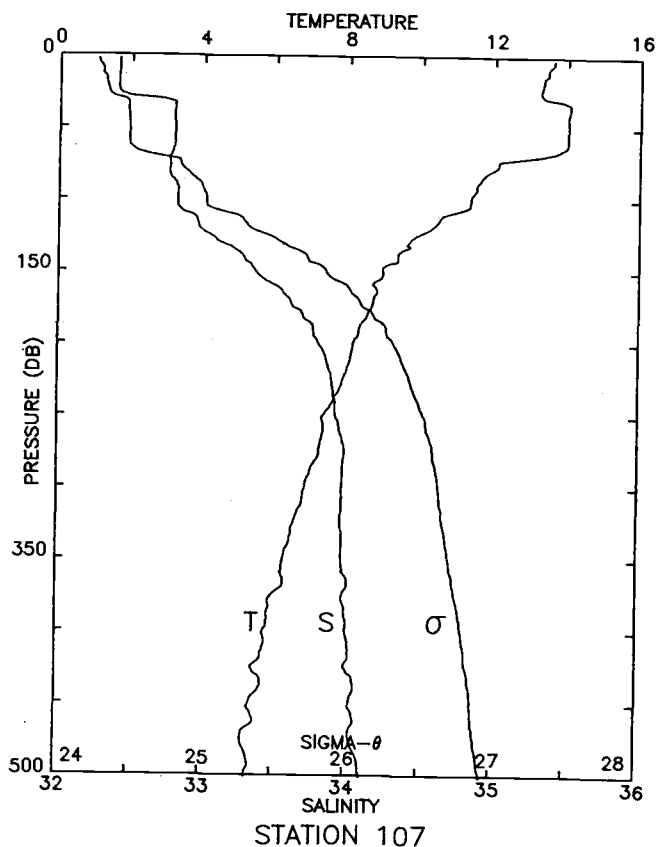
STA NO 105 LAT: 40 0.0 N LONG:126 30.1 W
 16 JUN 1987 1925 GMT PROBE 2561 DEPTH 4257M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	13.313	32.416	13.313	24.330	358.6	0.011	89.5	0.14
10	13.272	32.414	13.271	24.338	358.1	0.036	89.4	0.14
20	13.266	32.416	13.263	24.340	358.1	0.072	89.4	0.17
30	13.261	32.416	13.257	24.342	358.3	0.107	89.1	0.21
40	13.028	32.403	13.023	24.378	355.0	0.143	89.3	0.31
50	12.330	32.440	12.324	24.541	339.7	0.178	89.2	0.63
60	11.817	32.517	11.809	24.697	325.0	0.211	90.1	0.47
70	11.396	32.591	11.387	24.831	312.4	0.243	90.5	0.32
80	11.524	32.737	11.514	24.922	304.1	0.274	90.6	0.28
90	11.584	32.859	11.573	25.006	296.3	0.304	90.5	0.28
100	11.333	32.906	11.320	25.089	288.7	0.333	90.7	0.25
110	10.777	32.972	10.764	25.239	274.5	0.361	90.8	0.20
120	10.479	32.982	10.465	25.298	269.0	0.388	90.7	0.20
130	9.618	33.102	9.604	25.536	246.4	0.414	90.9	0.15
140	9.031	33.247	9.016	25.743	226.7	0.437	90.9	0.12
150	8.698	33.363	8.683	25.886	213.3	0.459	90.9	0.12
175	8.285	33.577	8.267	26.117	191.7	0.510	90.9	0.12
200	7.822	33.796	7.802	26.358	169.2	0.554	91.0	0.11
225	7.477	33.896	7.455	26.486	157.3	0.595	90.9	0.12
250	7.177	33.936	7.153	26.560	150.6	0.633	91.0	0.13
300	6.596	33.955	6.569	26.654	142.1	0.707	91.0	0.12
400	5.509	33.970	5.476	26.803	128.5	0.842	91.1	0.13
500	5.048	34.047	5.008	26.919	118.3	0.965	91.2	0.13
501	5.042	34.047	5.002	26.920	118.2	0.966	91.2	0.13



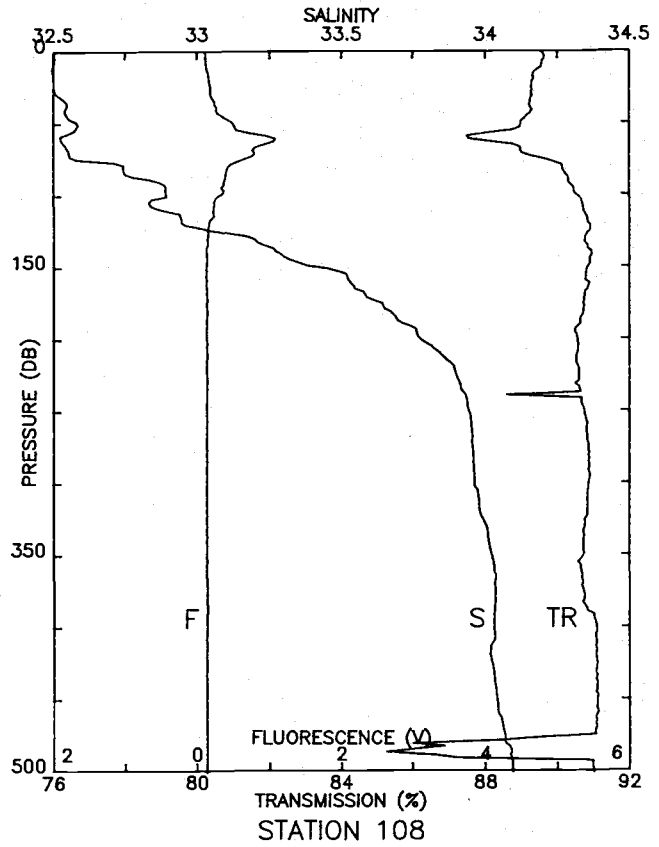
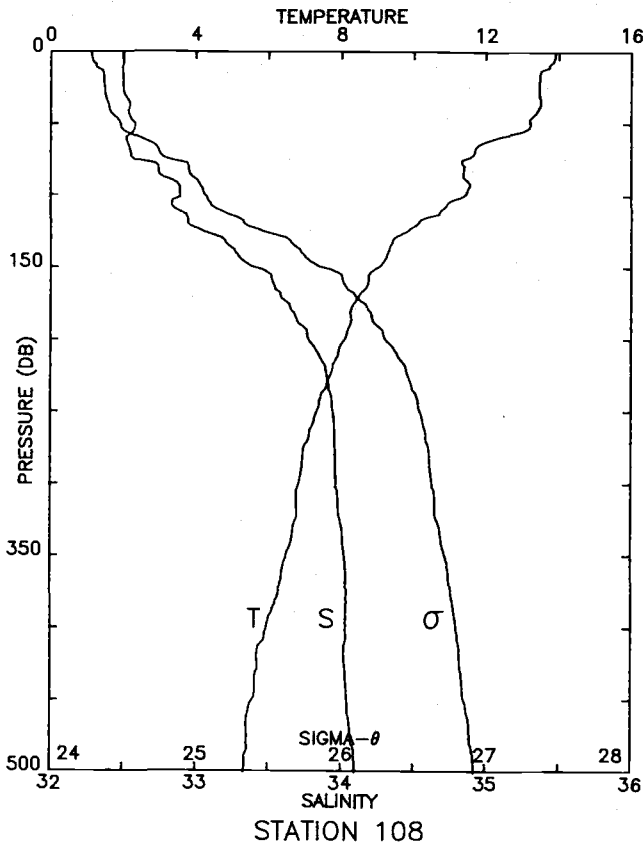
STA NO 106 LAT: 40 0.0 N LONG: 126 40.1 W
 16 JUN 1987 2036 GMT PROBE 2561 DEPTH 4309M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
1	13.376	32.434	13.376	24.332	358.4	0.004	89.7	0.15
10	13.287	32.439	13.286	24.354	356.6	0.036	89.7	0.17
20	13.218	32.441	13.215	24.369	355.4	0.071	89.6	0.21
30	13.486	32.583	13.482	24.426	350.2	0.107	89.4	0.22
40	13.997	32.808	13.991	24.496	343.9	0.141	89.6	0.20
50	13.976	32.805	13.969	24.499	343.9	0.176	89.6	0.25
60	13.903	32.799	13.895	24.509	343.1	0.210	89.3	0.35
70	13.203	32.732	13.194	24.599	334.8	0.244	89.9	0.41
80	11.948	32.760	11.938	24.862	309.8	0.276	90.2	0.41
90	11.797	32.844	11.785	24.956	301.1	0.307	90.5	0.37
100	11.497	32.860	11.485	25.023	294.9	0.336	90.5	0.32
110	11.100	32.917	11.087	25.139	284.1	0.365	90.7	0.29
120	10.603	32.978	10.589	25.274	271.3	0.393	90.8	0.26
130	9.901	33.058	9.886	25.455	254.2	0.420	90.9	0.21
140	9.407	33.177	9.392	25.629	237.7	0.444	90.9	0.17
150	8.922	33.333	8.907	25.828	218.9	0.467	90.9	0.13
175	8.100	33.667	8.083	26.215	182.4	0.516	90.8	0.12
200	7.725	33.806	7.706	26.379	167.1	0.560	90.9	0.12
225	7.525	33.883	7.503	26.469	158.9	0.601	90.9	0.13
250	7.295	33.937	7.271	26.544	152.2	0.640	91.0	0.13
300	6.592	33.946	6.565	26.647	142.7	0.713	91.0	0.12
400	5.542	33.961	5.509	26.792	129.5	0.849	91.1	0.11
500	5.050	34.029	5.010	26.905	119.6	0.973	91.2	0.13
501	5.034	34.026	4.994	26.904	119.7	0.974	91.2	0.13



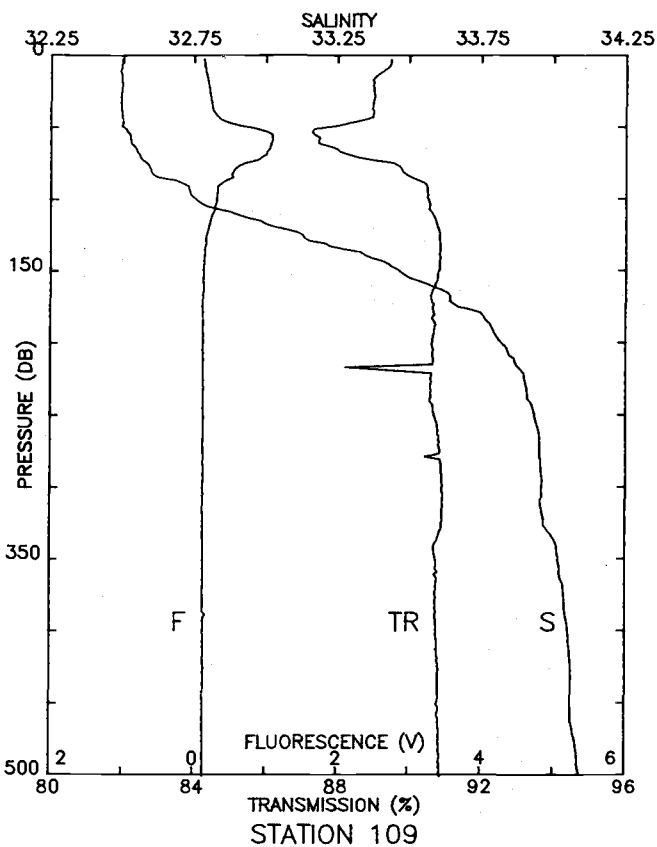
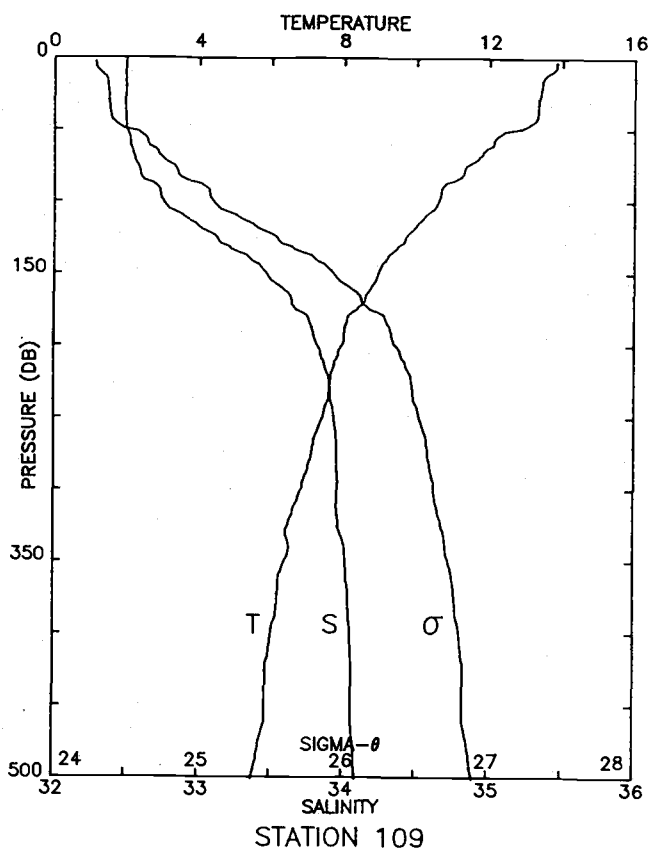
STA NO 107 LAT: 40 7.5 N LONG: 126 40.1 W
 16 JUN 1987 2148 GMT PROBE 2561 DEPTH 4318M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
3	13.607	32.413	13.607	24.269	364.5	0.011	89.6	0.12
10	13.443	32.411	13.442	24.301	361.6	0.036	89.5	0.13
20	13.296	32.406	13.293	24.327	359.4	0.072	89.3	0.17
30	13.613	32.605	13.609	24.417	351.1	0.108	89.6	0.21
40	14.017	32.791	14.011	24.479	345.5	0.143	90.3	0.17
50	14.016	32.797	14.009	24.484	345.3	0.177	90.3	0.21
60	14.006	32.798	13.997	24.487	345.3	0.212	90.6	0.21
70	13.005	32.771	12.996	24.667	328.3	0.246	90.5	0.25
80	11.890	32.762	11.880	24.874	308.6	0.277	90.4	0.30
90	11.510	32.813	11.499	24.984	298.4	0.308	90.5	0.30
100	11.349	32.821	11.337	25.020	295.2	0.337	90.7	0.30
110	10.702	32.891	10.689	25.189	279.2	0.366	90.8	0.25
120	10.250	32.973	10.236	25.331	265.9	0.394	90.8	0.18
130	9.626	33.120	9.611	25.549	245.2	0.419	90.9	0.15
140	9.343	33.283	9.328	25.722	228.9	0.443	90.8	0.16
150	8.940	33.367	8.924	25.851	216.7	0.465	90.8	0.13
175	8.620	33.627	8.601	26.106	192.9	0.516	90.7	0.14
200	8.150	33.802	8.130	26.314	173.5	0.561	90.7	0.13
225	7.870	33.893	7.848	26.427	163.1	0.603	90.5	0.13
250	7.343	33.922	7.319	26.525	153.9	0.643	90.8	0.13
300	6.857	33.968	6.829	26.629	144.6	0.717	90.9	0.14
400	5.749	34.003	5.716	26.800	128.9	0.854	91.0	0.14
500	5.312	34.112	5.271	26.940	116.6	0.977	90.9	0.14
501	5.310	34.114	5.269	26.942	116.4	0.978	90.9	0.14



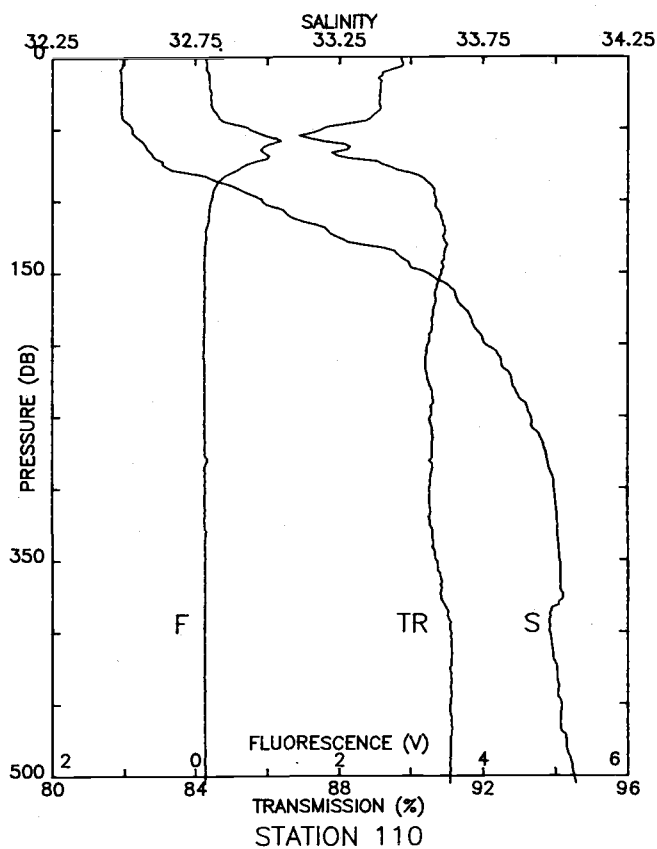
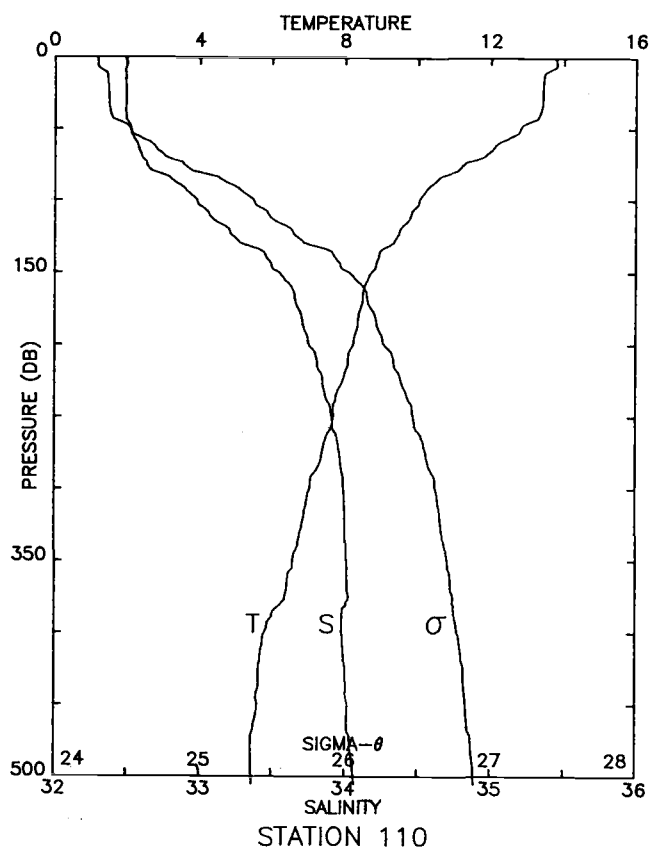
STA NO 108 LAT: 40 15.2 N LONG: 126 40.1 W
 16 JUN 1987 2258 GMT PROBE 2561 DEPTH 4405M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	13.891	32.504	13.890	24.282	363.2	0.004	89.6	0.12
10	13.716	32.498	13.715	24.313	360.4	0.036	89.6	0.13
20	13.445	32.500	13.442	24.369	355.4	0.072	89.3	0.17
30	13.450	32.513	13.446	24.379	354.7	0.107	89.3	0.19
40	13.411	32.541	13.405	24.409	352.1	0.143	89.3	0.27
50	13.197	32.583	13.190	24.484	345.2	0.178	89.0	0.49
60	12.231	32.524	12.223	24.625	331.9	0.212	87.5	1.02
70	11.666	32.554	11.657	24.754	319.9	0.244	89.0	0.78
80	11.401	32.745	11.392	24.951	301.3	0.275	90.1	0.44
90	11.510	32.854	11.499	25.015	295.4	0.305	90.3	0.38
100	11.383	32.894	11.371	25.070	290.5	0.334	90.5	0.32
110	10.769	32.873	10.756	25.163	281.7	0.363	90.7	0.22
120	10.075	32.951	10.061	25.343	264.7	0.390	90.9	0.16
130	9.430	33.187	9.415	25.633	237.2	0.415	90.8	0.15
140	9.262	33.279	9.246	25.732	227.9	0.439	91.0	0.13
150	8.978	33.416	8.962	25.884	213.6	0.461	90.8	0.13
175	8.323	33.645	8.306	26.165	187.2	0.511	90.7	0.14
200	8.071	33.776	8.051	26.306	174.2	0.556	90.6	0.13
225	7.684	33.900	7.662	26.459	160.0	0.597	90.6	0.14
250	7.318	33.943	7.294	26.545	152.0	0.636	90.8	0.13
300	6.836	33.964	6.809	26.629	144.6	0.710	90.9	0.14
400	5.946	34.030	5.911	26.797	129.5	0.847	91.1	0.14
500	5.334	34.095	5.293	26.924	118.1	0.971	91.0	0.14
501	5.332	34.096	5.291	26.925	118.1	0.972	91.0	0.14



STA NO 109 LAT: 40 22.5 N LONG: 126 40.0 W
17 JUN 1987 0014 GMT PROBE 2561 DEPTH 2420M

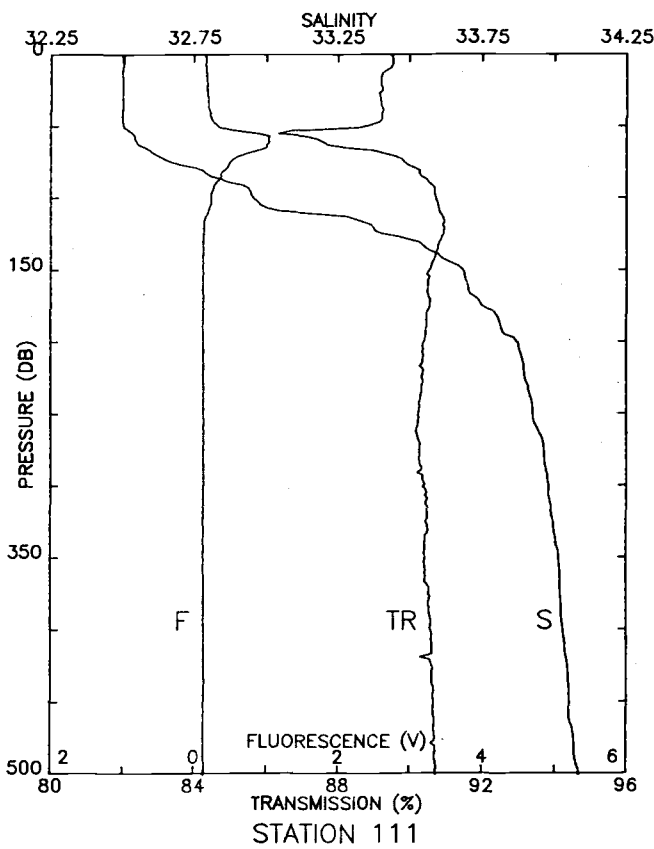
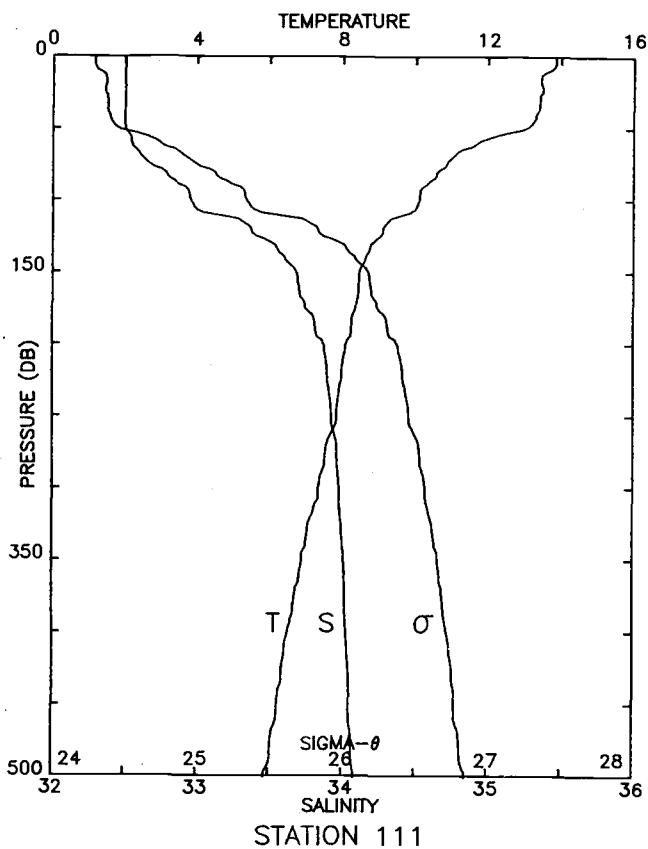
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	13.836	32.495	13.835	24.287	362.8	0.011	89.5	0.14
10	13.656	32.491	13.655	24.320	359.8	0.036	89.3	0.16
20	13.416	32.495	13.413	24.372	355.1	0.072	89.0	0.20
30	13.341	32.491	13.337	24.384	354.2	0.107	89.0	0.23
40	13.303	32.496	13.298	24.396	353.4	0.143	89.0	0.29
50	12.638	32.502	12.632	24.530	340.7	0.178	87.7	0.75
60	12.095	32.529	12.087	24.655	329.1	0.211	87.5	1.09
70	11.683	32.560	11.675	24.755	319.7	0.243	88.5	0.97
80	11.291	32.598	11.281	24.856	310.3	0.275	89.8	0.56
90	10.708	32.720	10.698	25.054	291.6	0.305	90.5	0.36
100	10.595	32.756	10.583	25.102	287.2	0.334	90.5	0.32
110	10.234	32.892	10.221	25.269	271.4	0.362	90.6	0.26
120	9.881	33.042	9.868	25.446	254.8	0.388	90.8	0.20
130	9.558	33.178	9.544	25.605	239.8	0.413	90.9	0.17
140	9.168	33.356	9.153	25.807	220.8	0.436	90.9	0.15
150	8.934	33.466	8.918	25.930	209.2	0.457	90.8	0.13
175	8.357	33.670	8.339	26.179	185.9	0.507	90.7	0.12
200	7.943	33.819	7.923	26.358	169.2	0.550	90.6	0.13
225	7.625	33.899	7.603	26.467	159.2	0.591	90.6	0.13
250	7.416	33.934	7.392	26.525	154.0	0.630	90.7	0.13
300	6.830	33.958	6.803	26.625	145.0	0.705	90.9	0.13
400	6.017	34.052	5.983	26.806	128.7	0.841	90.8	0.14
500	5.513	34.094	5.472	26.902	120.5	0.966	90.9	0.14
501	5.506	34.094	5.465	26.903	120.3	0.967	90.9	0.14



STA NO 110 LAT: 40 30.2 N LONG: 126 40.0 W
 17 JUN 1987 0122 GMT PROBE 2561 DEPTH 3164M

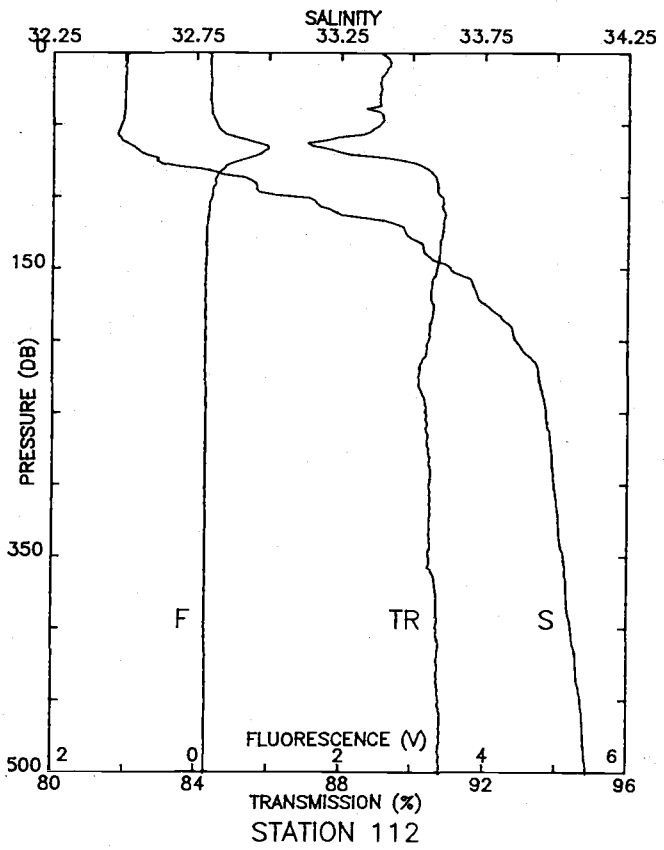
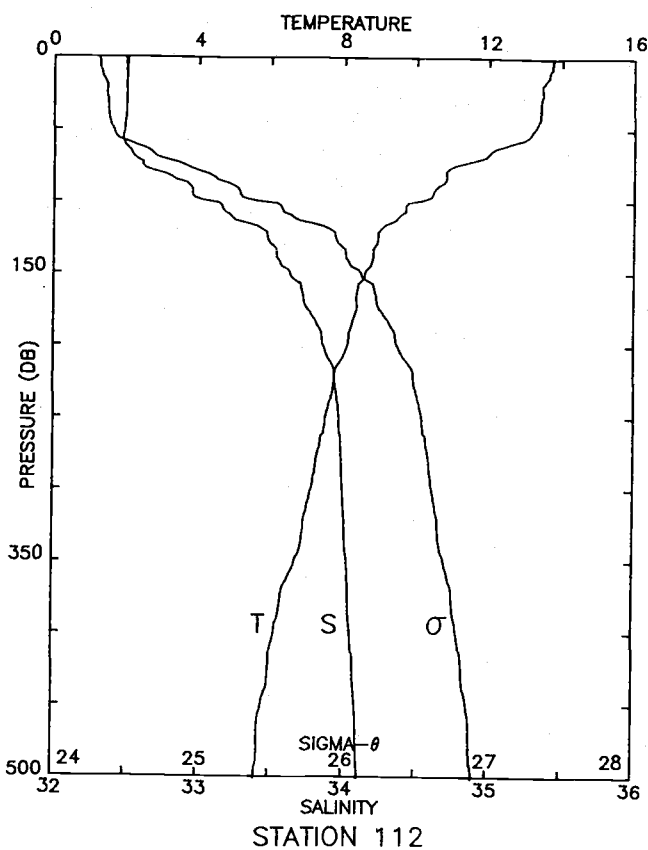
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	13.769	32.495	13.768	24.300	361.5	0.004	89.7	0.15
10	13.525	32.486	13.524	24.343	357.6	0.036	89.3	0.17
20	13.405	32.490	13.403	24.370	355.3	0.072	89.1	0.20
30	13.391	32.491	13.387	24.374	355.2	0.107	89.1	0.22
40	13.307	32.490	13.302	24.390	353.9	0.143	89.0	0.31
50	12.785	32.528	12.779	24.522	341.6	0.177	87.6	0.75
60	12.181	32.568	12.173	24.669	327.8	0.211	87.9	1.10
70	11.727	32.606	11.718	24.783	317.1	0.243	88.1	1.01
80	10.970	32.698	10.960	24.991	297.4	0.274	89.8	0.53
90	10.297	32.881	10.287	25.250	272.9	0.302	90.6	0.28
100	10.023	32.982	10.012	25.375	261.1	0.329	90.7	0.22
110	9.798	33.070	9.785	25.481	251.3	0.355	90.8	0.19
120	9.493	33.204	9.480	25.636	236.7	0.379	90.9	0.15
130	9.253	33.308	9.239	25.756	225.4	0.402	91.0	0.14
140	8.890	33.471	8.875	25.941	208.0	0.424	90.9	0.13
150	8.691	33.554	8.675	26.037	199.0	0.444	90.8	0.13
175	8.408	33.684	8.390	26.182	185.6	0.492	90.6	0.12
200	8.215	33.758	8.195	26.270	177.7	0.537	90.5	0.12
225	7.924	33.850	7.902	26.386	167.0	0.580	90.5	0.13
250	7.685	33.915	7.661	26.471	159.3	0.621	90.6	0.13
300	7.045	33.996	7.017	26.625	145.1	0.697	90.5	0.13
400	5.801	33.981	5.767	26.776	131.3	0.835	91.1	0.13
500	5.450	34.066	5.409	26.887	121.8	0.961	91.1	0.14
505	5.462	34.072	5.421	26.891	121.5	0.967	91.1	0.13

6 MIN GAP AT 350 DB



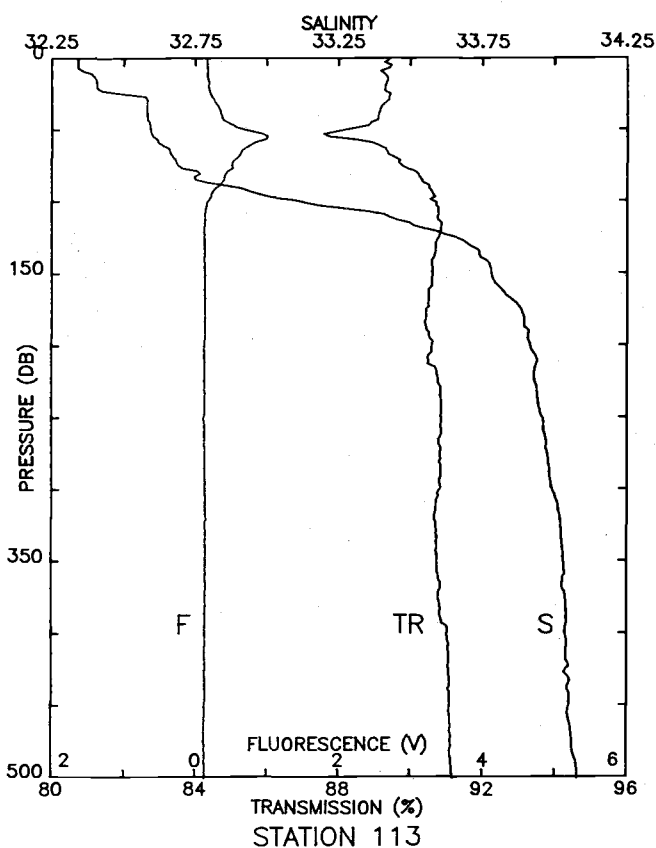
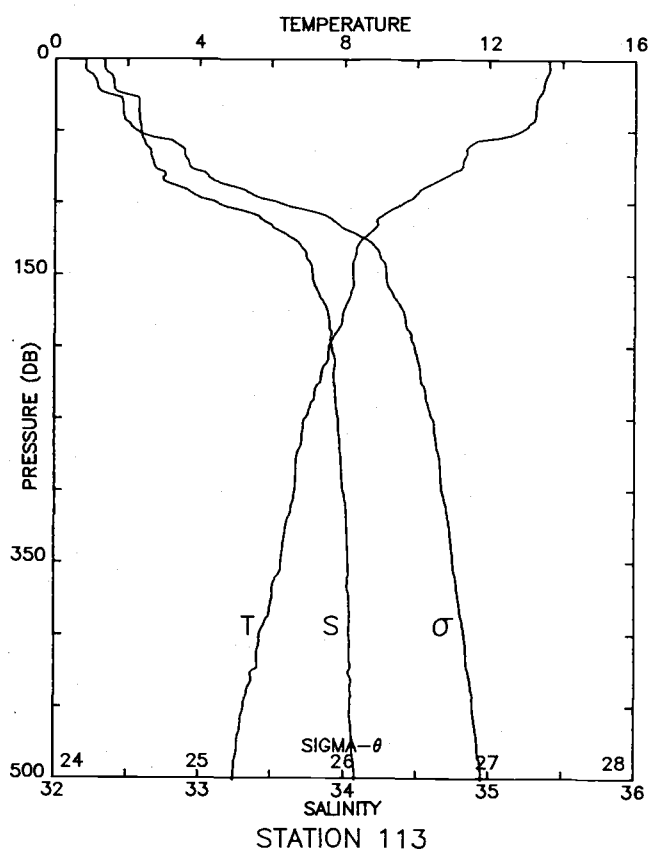
STA NO 111 LAT: 40 37.5 N LONG: 126 39.9 W
 17 JUN 1987 0239 GMT PROBE 2561 DEPTH 3132M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	13.841	32.504	13.841	24.292	362.2	0.004	89.5	0.16
10	13.660	32.499	13.658	24.325	359.3	0.036	89.4	0.16
20	13.451	32.500	13.448	24.368	355.5	0.072	89.2	0.18
30	13.399	32.499	13.395	24.378	354.8	0.107	89.2	0.19
40	13.327	32.498	13.322	24.392	353.7	0.143	89.2	0.22
50	13.019	32.504	13.012	24.458	347.7	0.178	88.7	0.34
60	11.727	32.547	11.720	24.737	321.3	0.211	87.5	1.03
70	11.033	32.619	11.024	24.918	304.1	0.242	89.5	0.67
80	10.628	32.769	10.619	25.106	286.4	0.272	90.2	0.44
90	10.257	32.893	10.247	25.266	271.4	0.300	90.6	0.30
100	10.101	32.956	10.090	25.341	264.4	0.327	90.7	0.24
110	9.726	33.102	9.714	25.518	247.8	0.353	90.8	0.19
120	9.110	33.372	9.097	25.828	218.3	0.375	90.9	0.14
130	8.814	33.517	8.800	25.989	203.2	0.397	90.8	0.13
140	8.623	33.603	8.608	26.086	194.2	0.417	90.7	0.13
150	8.450	33.683	8.435	26.175	185.9	0.436	90.6	0.12
175	8.352	33.748	8.334	26.241	180.0	0.482	90.6	0.12
200	8.090	33.870	8.070	26.376	167.6	0.525	90.4	0.13
225	7.962	33.897	7.940	26.417	164.1	0.566	90.3	0.13
250	7.841	33.925	7.816	26.457	160.7	0.607	90.2	0.13
300	7.338	33.979	7.310	26.572	150.4	0.684	90.4	0.13
400	6.512	34.029	6.476	26.724	136.8	0.827	90.6	0.14
500	5.871	34.084	5.828	26.851	125.7	0.959	90.7	0.14
501	5.869	34.084	5.826	26.851	125.7	0.961	90.7	0.14



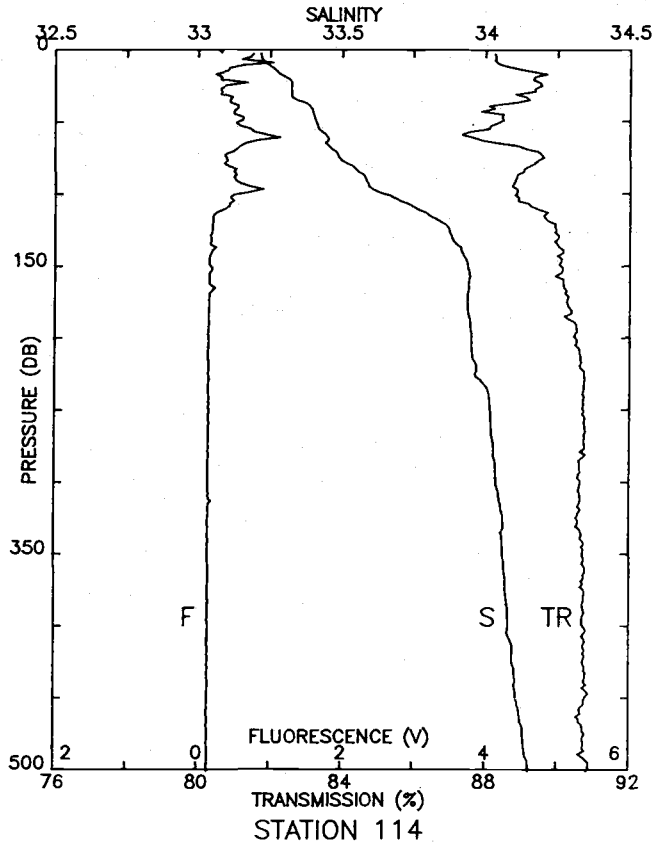
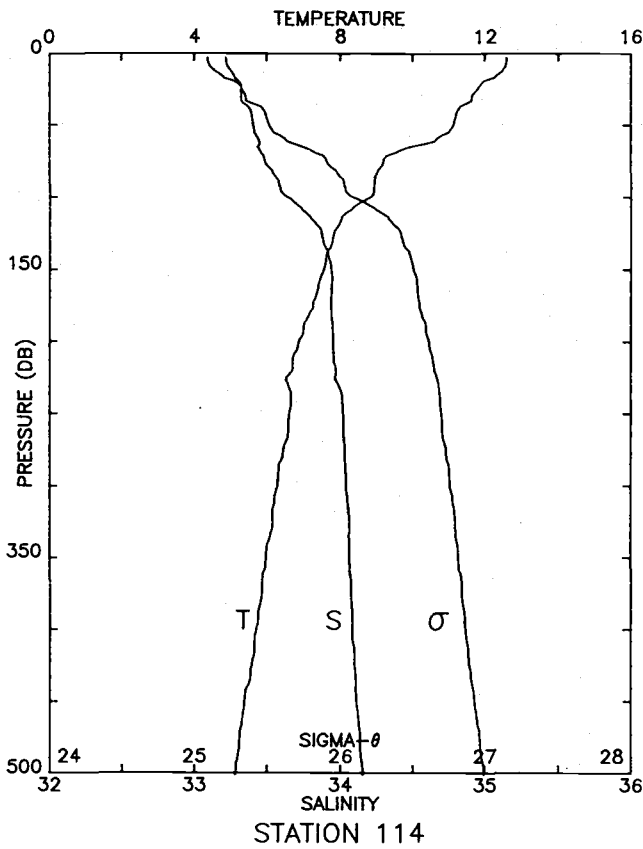
STA NO 112 LAT: 40 45.0 N LONG: 126 40.0 W
 17 JUN 1987 0344 GMT PROBE 2561 DEPTH 3107M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	13.752	32.506	13.752	24.311	360.4	0.004	89.1	0.18
10	13.640	32.500	13.638	24.330	358.8	0.036	89.3	0.19
20	13.436	32.499	13.433	24.371	355.2	0.072	89.1	0.21
30	13.411	32.499	13.407	24.376	355.0	0.107	89.1	0.20
40	13.387	32.497	13.382	24.380	354.9	0.143	88.9	0.21
50	13.197	32.484	13.190	24.407	352.5	0.178	89.1	0.28
60	12.532	32.486	12.525	24.539	340.2	0.213	87.7	0.62
70	11.782	32.566	11.773	24.741	321.0	0.246	88.1	0.89
80	10.805	32.726	10.796	25.042	292.5	0.277	90.4	0.39
90	10.548	32.947	10.537	25.258	272.1	0.305	90.7	0.26
100	9.955	33.080	9.944	25.463	252.8	0.332	90.8	0.21
110	9.508	33.221	9.496	25.647	235.5	0.356	90.9	0.17
120	8.958	33.454	8.946	25.917	209.9	0.378	90.9	0.15
130	8.862	33.507	8.849	25.973	204.7	0.399	90.8	0.14
140	8.773	33.549	8.758	26.020	200.4	0.419	90.8	0.14
150	8.569	33.632	8.554	26.116	191.4	0.439	90.7	0.13
175	8.342	33.752	8.324	26.246	179.6	0.485	90.6	0.13
200	8.104	33.860	8.084	26.366	168.5	0.528	90.5	0.14
225	7.730	33.940	7.708	26.485	157.6	0.568	90.2	0.14
250	7.491	33.966	7.467	26.539	152.7	0.607	90.4	0.14
300	7.117	33.995	7.088	26.615	146.1	0.682	90.5	0.13
400	6.144	34.056	6.109	26.793	130.0	0.820	90.7	0.14
500	5.611	34.111	5.569	26.904	120.4	0.944	90.8	0.14
501	5.610	34.111	5.568	26.904	120.4	0.945	90.8	0.14



STA NO 113 LAT: 40 45.0 N LONG: 126 10.0 W
 17 JUN 1987 0615 GMT PROBE 2561 DEPTH 3115M

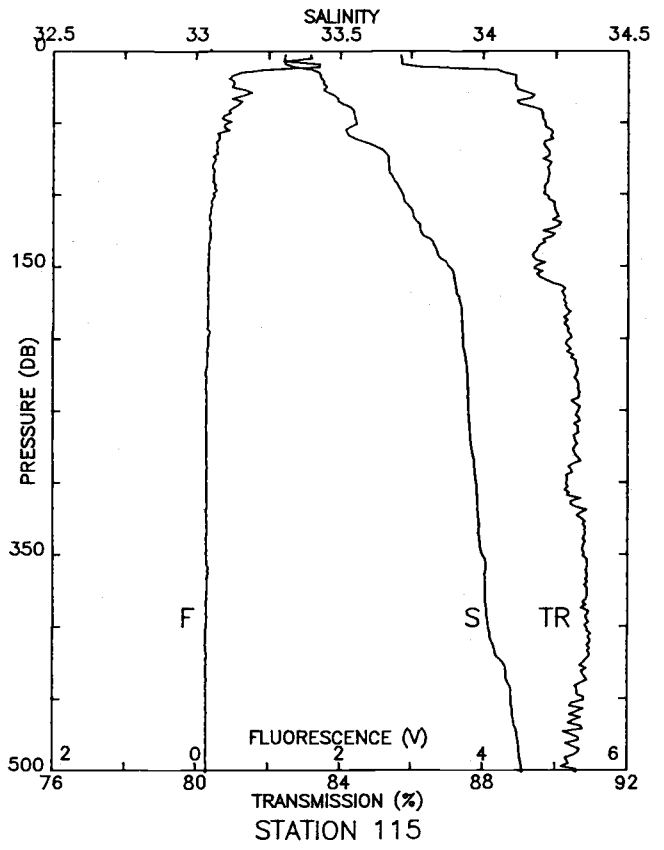
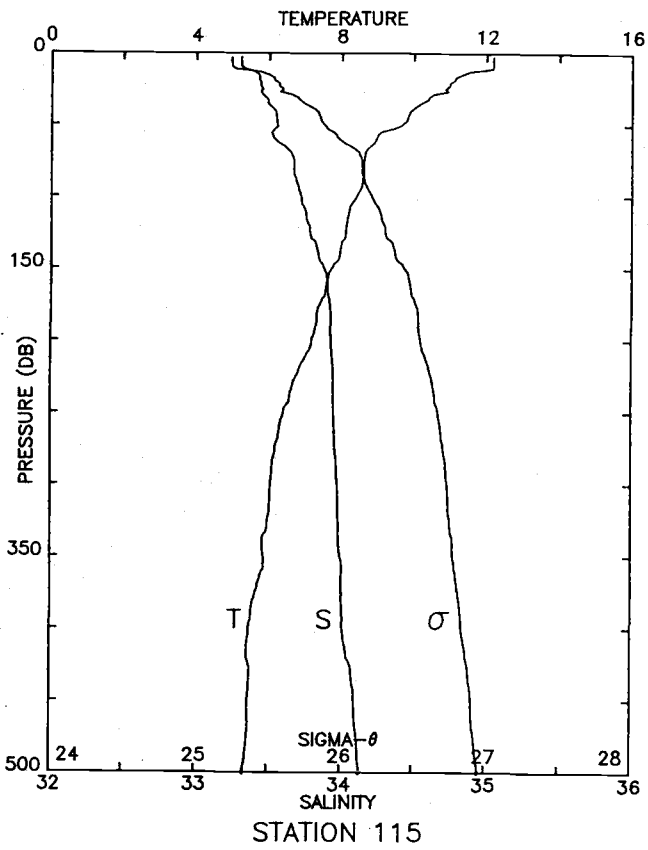
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	13.625	32.341	13.625	24.210	370.0	0.004	89.4	0.16
10	13.588	32.371	13.587	24.241	367.3	0.037	89.2	0.17
20	13.460	32.407	13.457	24.294	362.5	0.073	89.3	0.18
30	13.274	32.581	13.270	24.466	346.4	0.109	89.4	0.27
40	13.236	32.581	13.231	24.474	345.9	0.143	89.1	0.36
50	12.837	32.592	12.830	24.562	337.7	0.178	88.2	0.67
60	11.455	32.627	11.448	24.849	310.6	0.210	89.0	0.80
70	11.292	32.676	11.284	24.916	304.4	0.241	89.6	0.57
80	10.939	32.763	10.930	25.047	292.1	0.271	90.2	0.44
90	10.158	32.884	10.148	25.276	270.4	0.299	90.5	0.31
100	9.617	33.120	9.606	25.550	244.5	0.325	90.6	0.17
110	8.963	33.419	8.952	25.888	212.4	0.348	90.8	0.13
120	8.727	33.569	8.714	26.043	197.9	0.369	90.8	0.12
130	8.342	33.702	8.328	26.206	182.5	0.387	90.7	0.13
140	8.242	33.753	8.228	26.261	177.4	0.405	90.6	0.12
150	8.223	33.780	8.208	26.285	175.3	0.423	90.6	0.13
175	7.965	33.884	7.947	26.405	164.3	0.466	90.4	0.13
200	7.580	33.916	7.561	26.487	156.9	0.506	90.6	0.13
225	7.336	33.930	7.315	26.532	152.9	0.545	90.8	0.12
250	6.925	33.958	6.902	26.611	145.6	0.582	90.9	0.12
300	6.640	33.991	6.613	26.676	140.0	0.653	90.8	0.13
400	5.691	34.036	5.658	26.834	125.8	0.786	91.0	0.13
500	4.979	34.079	4.940	26.952	115.0	0.906	91.2	0.13
501	4.976	34.079	4.937	26.952	115.0	0.907	91.2	0.13



STA NO 114 LAT: 40 45.1 N LONG: 125 50.0 W
 17 JUN 1987 0813 GMT PROBE 2561 DEPTH 3081M

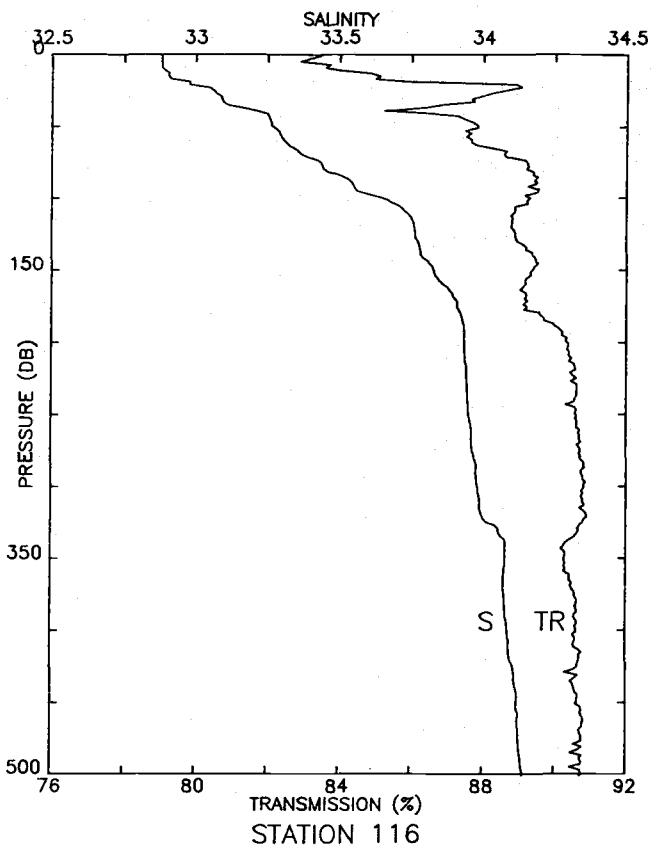
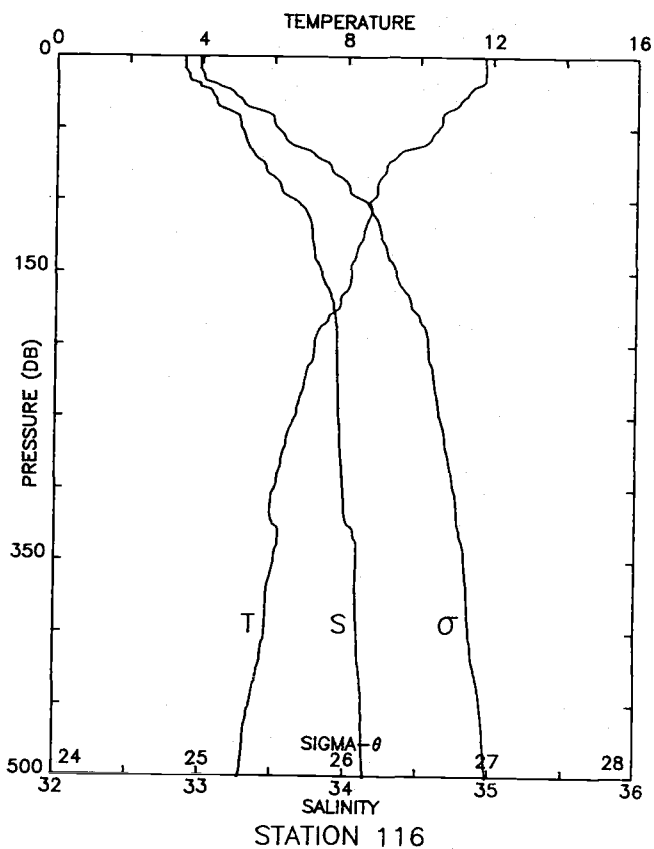
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
3	12.587	33.216	12.587	25.092	286.1	0.009	88.3	0.76
10	12.527	33.238	12.526	25.121	283.5	0.029	88.4	0.83
20	11.943	33.311	11.941	25.289	267.8	0.056	89.3	0.32
30	11.639	33.325	11.635	25.356	261.6	0.083	89.1	0.32
40	11.229	33.390	11.224	25.483	249.8	0.108	88.2	0.56
50	11.112	33.409	11.106	25.518	246.6	0.133	88.4	0.58
60	10.645	33.447	10.638	25.631	236.1	0.157	87.5	1.04
70	9.397	33.472	9.389	25.860	214.4	0.180	89.3	0.52
80	9.076	33.527	9.067	25.955	205.6	0.201	89.3	0.39
90	8.917	33.582	8.908	26.022	199.3	0.221	88.8	0.51
100	8.783	33.646	8.773	26.094	192.7	0.241	88.8	0.60
110	8.196	33.759	8.185	26.272	175.8	0.259	89.4	0.39
120	7.924	33.851	7.912	26.385	165.3	0.276	89.8	0.21
130	7.778	33.884	7.765	26.432	161.0	0.292	90.0	0.18
140	7.616	33.918	7.603	26.482	156.3	0.308	90.1	0.19
150	7.549	33.939	7.534	26.508	154.0	0.324	90.1	0.18
175	7.252	33.938	7.235	26.550	150.4	0.362	90.3	0.16
200	6.875	33.952	6.856	26.613	144.6	0.399	90.5	0.15
225	6.536	33.964	6.516	26.668	139.6	0.434	90.7	0.15
250	6.613	34.019	6.590	26.701	136.9	0.469	90.7	0.16
300	6.290	34.039	6.264	26.760	131.8	0.536	90.6	0.15
400	5.702	34.082	5.669	26.869	122.5	0.663	90.7	0.15
500	5.133	34.154	5.092	26.994	111.3	0.779	90.9	0.14
501	5.131	34.154	5.091	26.994	111.3	0.781	90.8	0.14

3 MIN GAP AT 335 DB



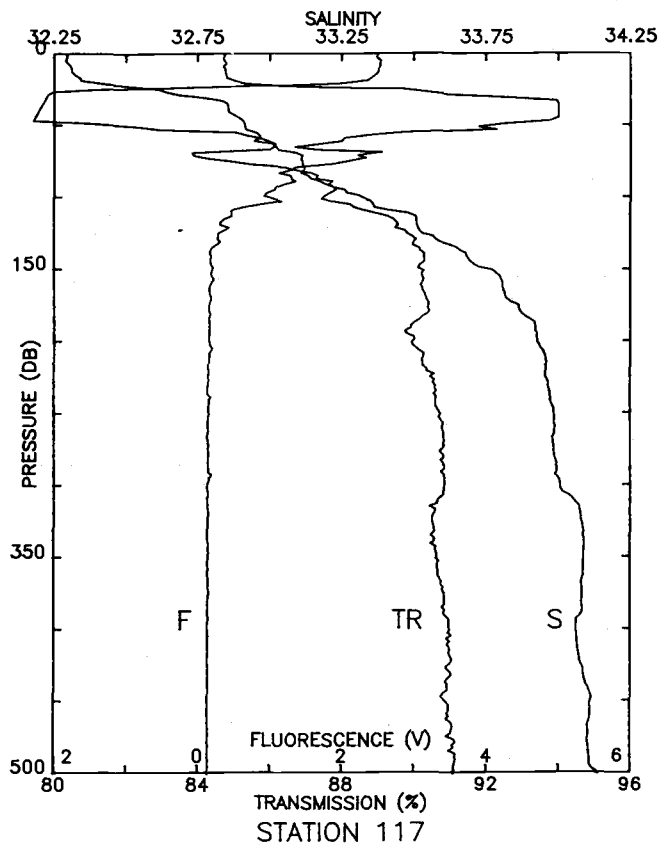
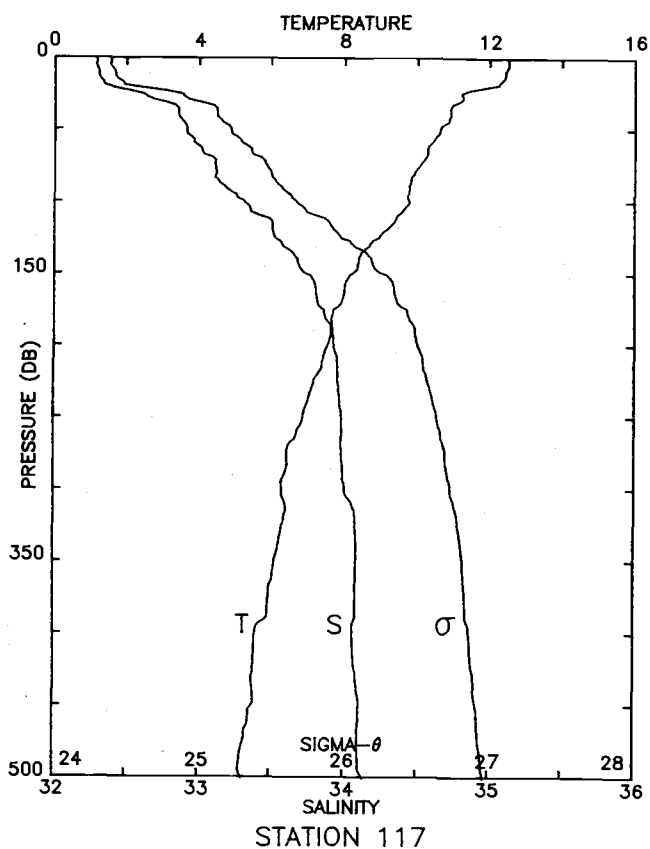
STA NO 115 LAT: 40 45.1 N LONG: 125 30.0 W
17 JUN 1987 1009 GMT PROBE 2561 DEPTH 2983M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	12.180	33.307	12.180	25.241	272.0	0.008	85.7	1.58
10	12.165	33.321	12.163	25.255	270.8	0.027	86.0	1.71
20	11.046	33.438	11.044	25.552	242.8	0.052	88.9	0.48
30	10.473	33.467	10.470	25.675	231.2	0.076	89.3	0.70
40	9.937	33.539	9.932	25.823	217.4	0.099	89.4	0.48
50	9.678	33.557	9.672	25.880	212.1	0.120	89.7	0.43
60	8.950	33.539	8.943	25.984	202.4	0.141	89.9	0.32
70	8.648	33.654	8.640	26.121	189.5	0.161	89.8	0.29
80	8.603	33.671	8.594	26.141	187.8	0.179	89.8	0.22
90	8.570	33.690	8.561	26.161	186.1	0.198	89.8	0.23
100	8.408	33.720	8.398	26.210	181.6	0.216	89.7	0.24
110	8.200	33.749	8.189	26.264	176.6	0.234	90.0	0.19
120	8.120	33.775	8.108	26.296	173.7	0.252	90.1	0.20
130	8.052	33.804	8.039	26.329	170.7	0.269	89.7	0.19
140	7.940	33.839	7.926	26.374	166.7	0.286	89.4	0.17
150	7.718	33.881	7.703	26.439	160.6	0.302	89.4	0.16
175	7.387	33.920	7.370	26.517	153.5	0.342	90.3	0.16
200	7.187	33.931	7.168	26.553	150.4	0.380	90.4	0.17
225	6.749	33.948	6.728	26.627	143.6	0.416	90.6	0.14
250	6.408	33.951	6.386	26.674	139.3	0.452	90.6	0.14
300	6.064	33.978	6.038	26.741	133.5	0.520	90.3	0.14
400	5.491	34.019	5.458	26.844	124.6	0.649	90.8	0.14
500	5.339	34.136	5.298	26.956	115.1	0.769	90.6	0.14
501	5.337	34.136	5.296	26.956	115.1	0.770	90.6	0.14



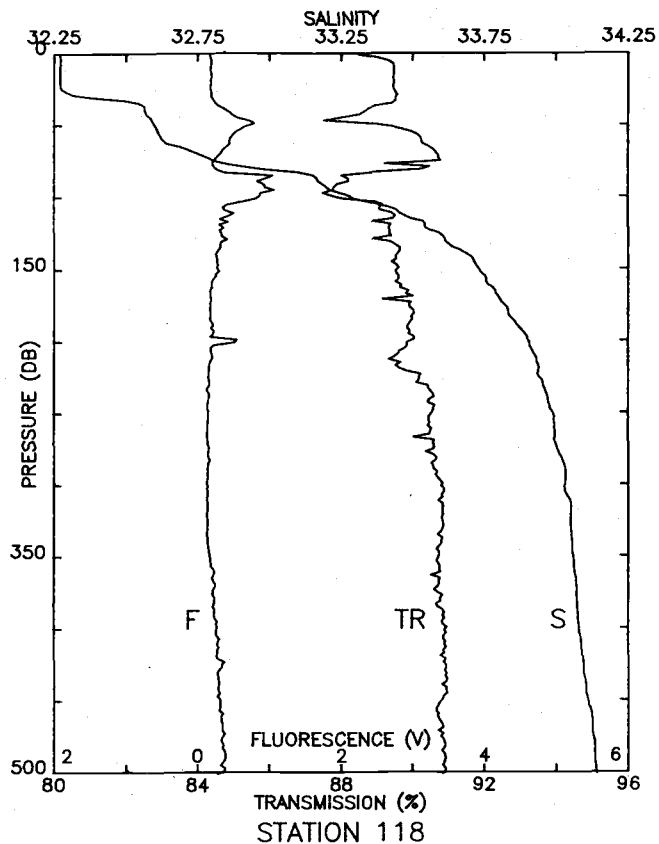
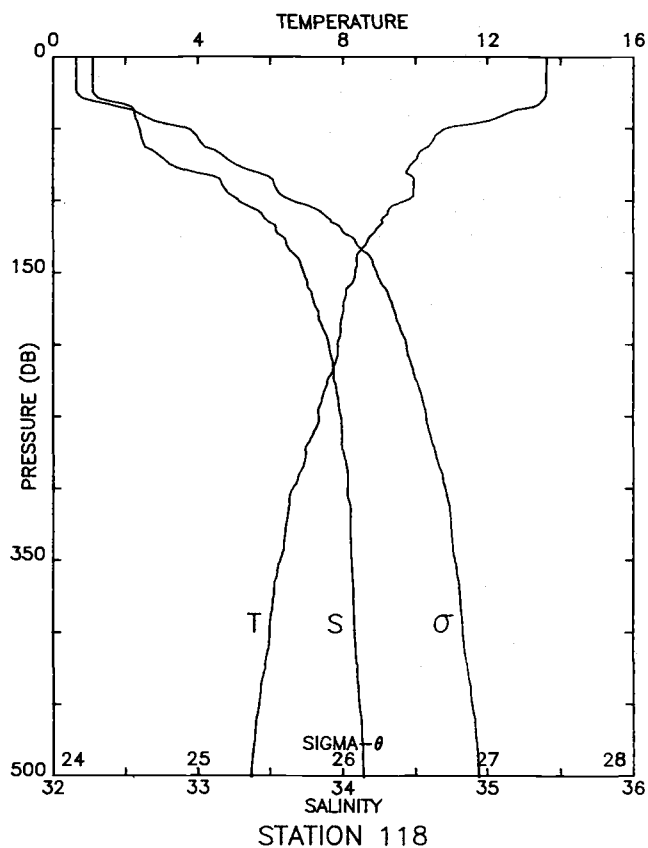
STA NO 116 LAT: 40 52.6 N LONG: 125 30.0 W
17 JUN 1987 1112 GMT PROBE 2561 DEPTH 3029M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN
1	11.777	32.879	11.777	24.984	296.3	0.003	83.4
10	11.776	32.884	11.775	24.989	296.1	0.030	83.8
20	11.551	32.979	11.549	25.104	285.4	0.059	87.5
30	11.122	33.090	11.119	25.268	269.9	0.087	87.8
40	10.604	33.232	10.600	25.470	251.0	0.113	85.9
50	10.473	33.270	10.468	25.522	246.2	0.138	87.8
60	10.164	33.310	10.157	25.607	238.4	0.162	87.6
70	9.302	33.380	9.294	25.803	219.8	0.185	88.6
80	9.032	33.451	9.023	25.902	210.5	0.206	89.3
90	8.809	33.547	8.800	26.012	200.3	0.226	89.4
100	8.648	33.651	8.638	26.119	190.3	0.246	89.3
110	8.640	33.734	8.629	26.185	184.2	0.265	88.8
120	8.484	33.761	8.472	26.230	180.1	0.283	88.8
130	8.350	33.773	8.337	26.261	177.3	0.301	89.0
140	8.227	33.787	8.213	26.290	174.7	0.319	89.4
150	8.120	33.828	8.105	26.338	170.3	0.336	89.3
175	7.786	33.909	7.769	26.451	159.9	0.377	89.2
200	7.125	33.935	7.107	26.565	149.2	0.415	90.4
225	6.860	33.943	6.840	26.608	145.4	0.452	90.6
250	6.608	33.950	6.585	26.648	141.9	0.488	90.6
300	6.043	33.981	6.017	26.746	133.0	0.556	90.8
400	5.808	34.090	5.774	26.862	123.2	0.684	90.6
500	5.124	34.142	5.084	26.986	112.1	0.801	90.8
501	5.116	34.142	5.076	26.987	112.0	0.802	90.7



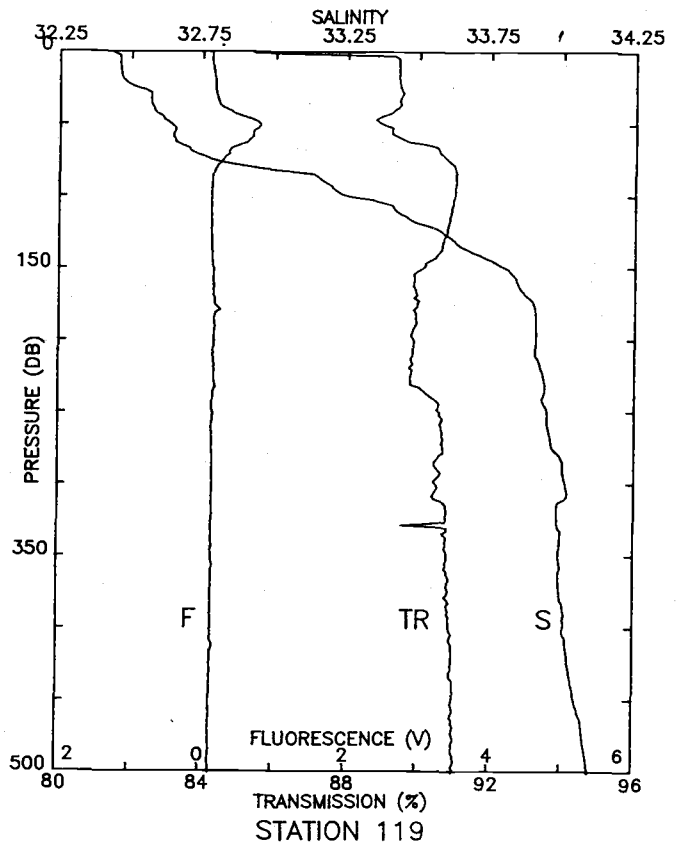
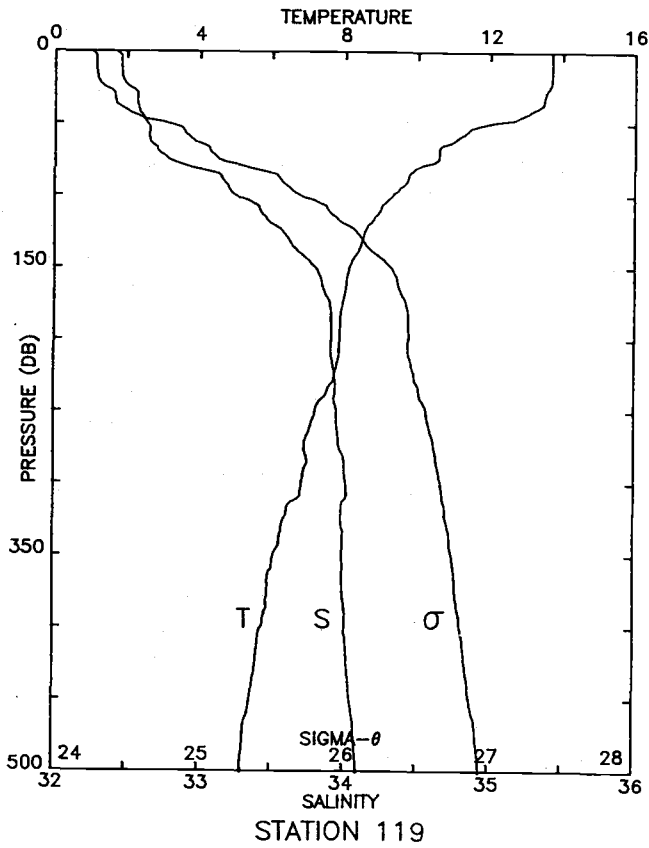
STA NO 117 LAT: 41 0.1 N LONG: 125 30.4 W
 17 JUN 1987 1228 GMT PROBE 2561 DEPTH 3079M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	12.513	32.294	12.513	24.392	352.7	0.004	89.0	0.38
10	12.426	32.310	12.424	24.421	350.1	0.035	89.0	0.37
20	12.031	32.379	12.029	24.549	338.2	0.070	88.4	0.57
30	11.202	32.728	11.198	24.972	298.1	0.101	78.6	3.92
40	10.907	32.858	10.902	25.126	283.7	0.130	74.4	5.00
50	10.613	32.913	10.608	25.220	274.9	0.158	81.7	4.07
60	10.357	32.980	10.350	25.316	266.0	0.185	85.6	2.01
70	10.204	33.103	10.196	25.438	254.6	0.211	83.9	2.39
80	9.910	33.119	9.901	25.500	248.9	0.236	86.5	1.32
90	9.763	33.182	9.753	25.574	242.0	0.261	87.7	1.27
100	9.776	33.319	9.765	25.679	232.3	0.284	87.5	0.98
110	9.433	33.446	9.421	25.835	217.6	0.307	88.7	0.47
120	9.102	33.513	9.090	25.940	207.7	0.328	89.5	0.37
130	8.683	33.583	8.669	26.061	196.4	0.349	90.0	0.29
140	8.379	33.681	8.365	26.184	184.8	0.367	90.3	0.18
150	8.193	33.749	8.178	26.266	177.2	0.386	90.2	0.20
175	7.685	33.860	7.668	26.427	162.1	0.428	90.4	0.16
200	7.526	33.927	7.507	26.503	155.3	0.468	90.0	0.16
225	7.174	33.956	7.153	26.576	148.7	0.506	90.5	0.15
250	6.880	33.985	6.857	26.639	142.9	0.542	90.7	0.15
300	6.305	34.007	6.278	26.733	134.4	0.611	90.9	0.14
400	5.581	34.061	5.547	26.867	122.6	0.739	91.0	0.13
500	5.216	34.134	5.175	26.968	113.8	0.857	91.1	0.14
501	5.227	34.137	5.187	26.970	113.7	0.859	91.1	0.14



STA NO 118 LAT: 41 7.6 N LONG: 125 30.0 W
 17 JUN 1987 1338 GMT PROBE 2561 DEPTH 3095M

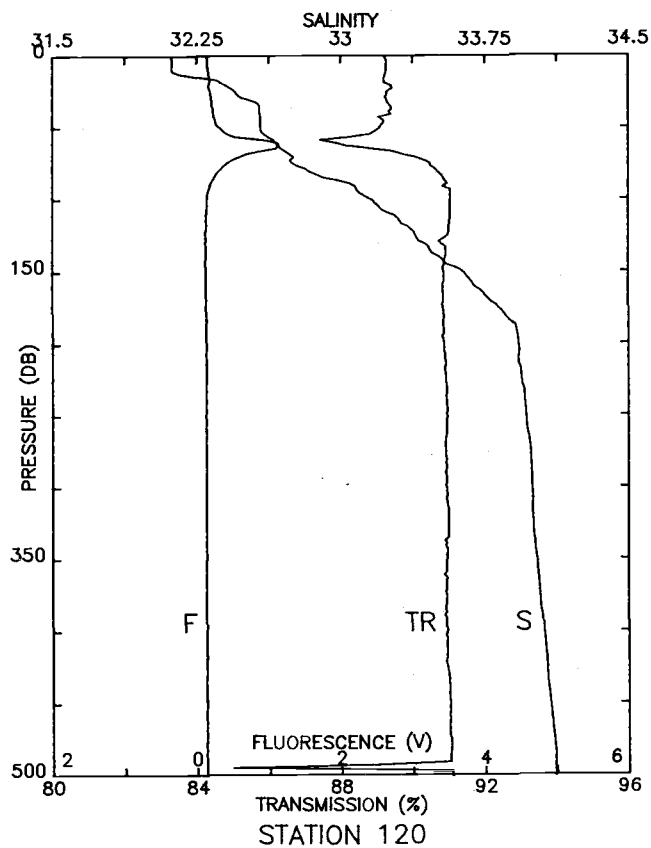
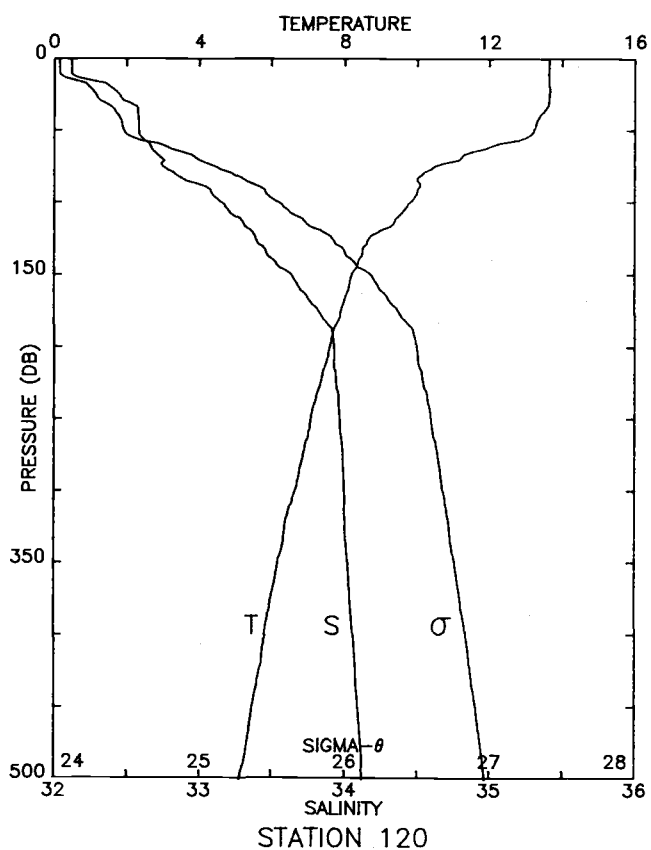
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	13.623	32.273	13.623	24.158	375.0	0.004	88.5	0.17
10	13.613	32.272	13.611	24.160	375.1	0.038	89.5	0.18
20	13.614	32.272	13.611	24.159	375.4	0.075	89.5	0.18
30	13.513	32.350	13.509	24.240	367.9	0.112	89.6	0.19
40	12.496	32.566	12.491	24.607	333.2	0.147	88.7	0.41
50	10.897	32.599	10.891	24.926	302.9	0.179	89.1	0.73
60	10.450	32.626	10.443	25.025	293.7	0.209	90.2	0.44
70	10.049	32.752	10.041	25.191	278.1	0.238	90.7	0.31
80	9.756	32.953	9.747	25.396	258.7	0.265	90.4	0.25
90	9.957	33.177	9.947	25.538	245.5	0.290	88.0	0.88
100	9.743	33.285	9.732	25.658	234.3	0.314	87.9	0.84
110	9.184	33.449	9.172	25.877	213.6	0.336	89.3	0.45
120	8.908	33.545	8.895	25.996	202.4	0.357	89.4	0.33
130	8.617	33.613	8.603	26.094	193.2	0.376	89.1	0.37
140	8.369	33.692	8.355	26.194	183.9	0.395	89.6	0.26
150	8.324	33.732	8.309	26.232	180.4	0.414	89.6	0.29
175	8.013	33.821	7.996	26.349	169.7	0.457	89.9	0.18
200	7.854	33.905	7.834	26.438	161.6	0.499	89.9	0.54
225	7.573	33.941	7.552	26.507	155.4	0.538	90.2	0.15
250	7.341	33.989	7.317	26.578	148.9	0.576	90.5	0.15
300	6.624	34.032	6.597	26.711	136.7	0.648	90.8	0.14
400	5.986	34.081	5.951	26.833	126.2	0.778	90.9	0.27
500	5.479	34.142	5.438	26.944	116.4	0.899	90.9	0.33
501	5.477	34.143	5.436	26.945	116.4	0.900	90.8	0.29



STA NO 119 LAT: 41 15.0 N LONG: 125 30.0 W
 17 JUN 1987 1448 GMT PROBE 2561 DEPTH 3095M

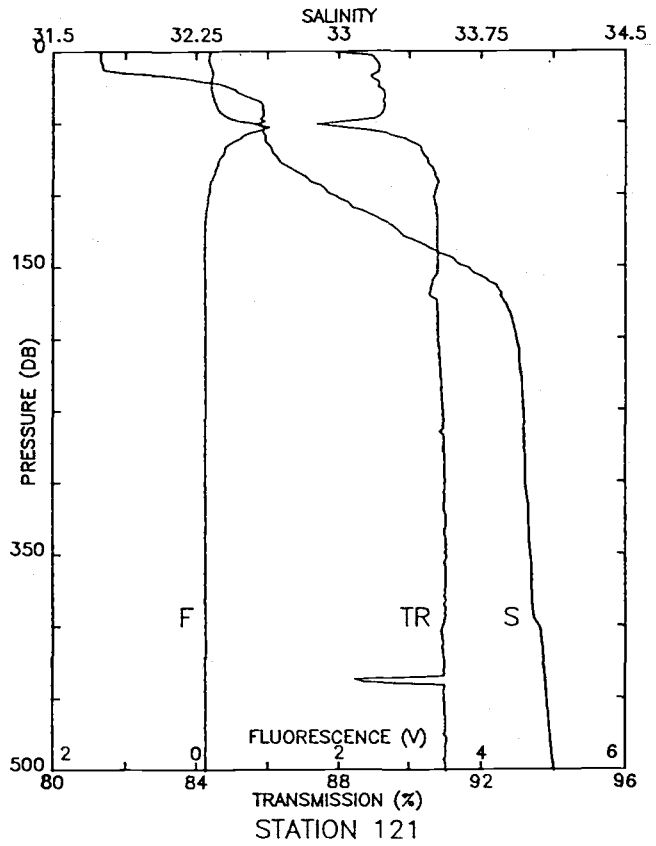
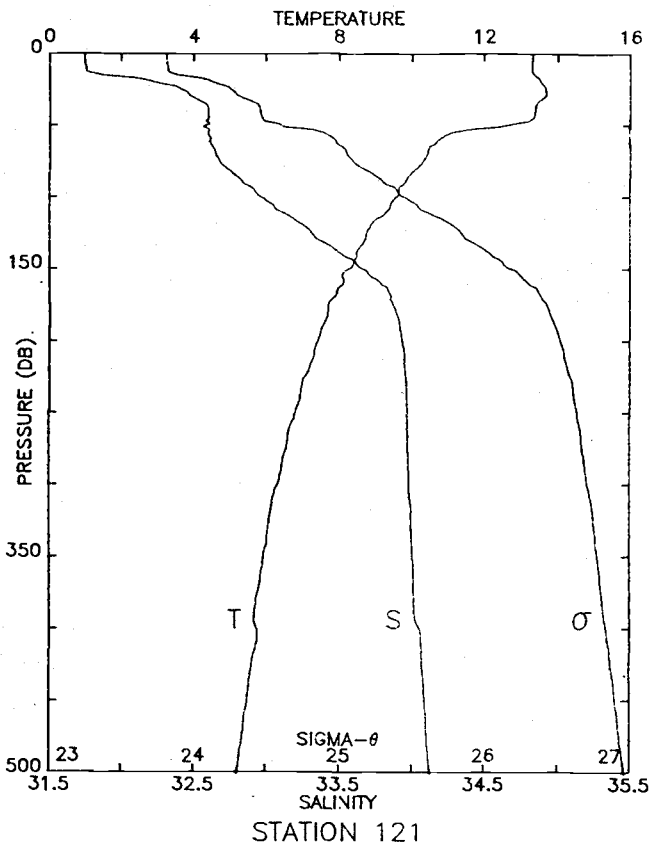
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	13.697	32.433	13.697	24.267	364.7	0.004	85.4	0.13
10	13.697	32.459	13.695	24.287	362.9	0.036	89.4	0.14
20	13.680	32.473	13.677	24.302	361.8	0.073	89.4	0.17
30	13.502	32.569	13.498	24.412	351.6	0.108	89.5	0.19
40	13.216	32.579	13.210	24.477	345.6	0.143	89.3	0.32
50	11.904	32.636	11.898	24.773	317.6	0.177	88.9	0.78
60	11.085	32.650	11.078	24.933	302.5	0.208	89.5	0.67
70	10.577	32.719	10.569	25.075	289.1	0.237	90.6	0.36
80	10.029	32.914	10.020	25.321	265.9	0.265	91.0	0.19
90	9.715	33.168	9.705	25.571	242.3	0.290	91.0	0.14
100	9.308	33.249	9.298	25.700	230.2	0.314	91.0	0.14
110	8.973	33.419	8.962	25.886	212.6	0.336	90.9	0.13
120	8.664	33.511	8.651	26.006	201.3	0.357	90.8	0.13
130	8.475	33.617	8.462	26.119	190.8	0.376	90.7	0.14
140	8.323	33.699	8.309	26.206	182.7	0.395	90.6	0.14
150	8.115	33.801	8.100	26.318	172.2	0.413	90.1	0.16
175	7.933	33.898	7.916	26.421	162.8	0.454	90.0	0.18
200	7.854	33.908	7.834	26.441	161.4	0.495	89.9	0.17
225	7.718	33.934	7.696	26.481	157.9	0.535	89.8	0.17
250	7.194	33.948	7.171	26.567	149.9	0.573	90.6	0.16
300	6.832	34.013	6.804	26.668	140.9	0.646	90.5	0.15
400	5.728	34.008	5.694	26.807	128.3	0.780	90.9	0.15
500	5.193	34.098	5.153	26.943	116.2	0.902	91.1	0.14
501	5.194	34.099	5.153	26.943	116.1	0.903	91.0	0.15

4 MIN GAP AT 301 DB



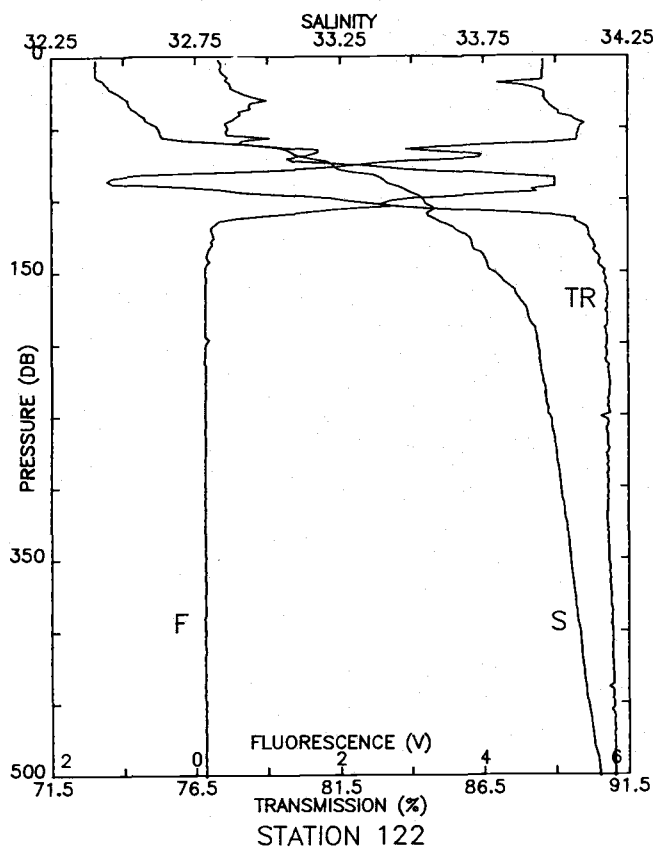
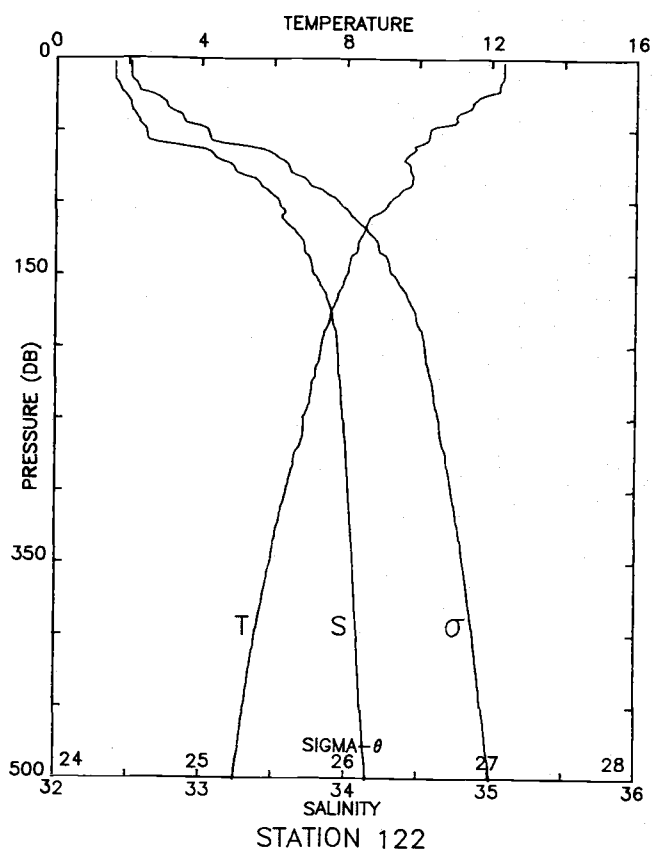
STA NO 120 LAT: 41 22.5 N LONG: 125 29.9 W
 17 JUN 1987 1611 GMT PROBE 2561 DEPTH 3092M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	13.630	32.118	13.629	24.037	386.5	0.004	89.2	0.14
10	13.627	32.120	13.626	24.039	386.6	0.039	89.3	0.16
20	13.646	32.392	13.644	24.246	367.1	0.076	89.3	0.17
30	13.624	32.501	13.620	24.335	358.9	0.113	89.3	0.20
40	13.365	32.578	13.359	24.446	348.6	0.148	89.4	0.23
50	13.205	32.582	13.199	24.481	345.5	0.183	89.1	0.31
60	12.168	32.657	12.160	24.740	321.0	0.216	87.6	1.03
70	11.174	32.745	11.166	24.991	297.2	0.247	89.9	0.62
80	10.156	32.828	10.147	25.232	274.4	0.276	90.7	0.31
90	10.038	33.061	10.028	25.434	255.3	0.302	90.9	0.19
100	9.784	33.156	9.773	25.551	244.4	0.327	91.0	0.14
110	9.446	33.258	9.434	25.685	231.8	0.351	91.0	0.13
120	8.949	33.360	8.936	25.844	216.8	0.374	91.0	0.13
130	8.545	33.425	8.531	25.958	206.1	0.395	90.8	0.12
140	8.382	33.513	8.368	26.052	197.3	0.415	90.9	0.12
150	8.187	33.635	8.172	26.177	185.6	0.434	90.9	0.13
175	7.890	33.820	7.873	26.366	168.0	0.479	90.8	0.12
200	7.579	33.926	7.560	26.494	156.2	0.519	90.9	0.13
225	7.337	33.942	7.315	26.542	152.0	0.557	90.9	0.13
250	7.072	33.965	7.049	26.597	147.0	0.595	91.0	0.13
300	6.650	33.997	6.623	26.680	139.7	0.666	90.9	0.13
400	5.809	34.057	5.775	26.835	125.7	0.799	91.0	0.13
500	5.113	34.119	5.073	26.969	113.6	0.918	91.1	0.13
501	5.111	34.120	5.071	26.970	113.6	0.919	91.1	0.13



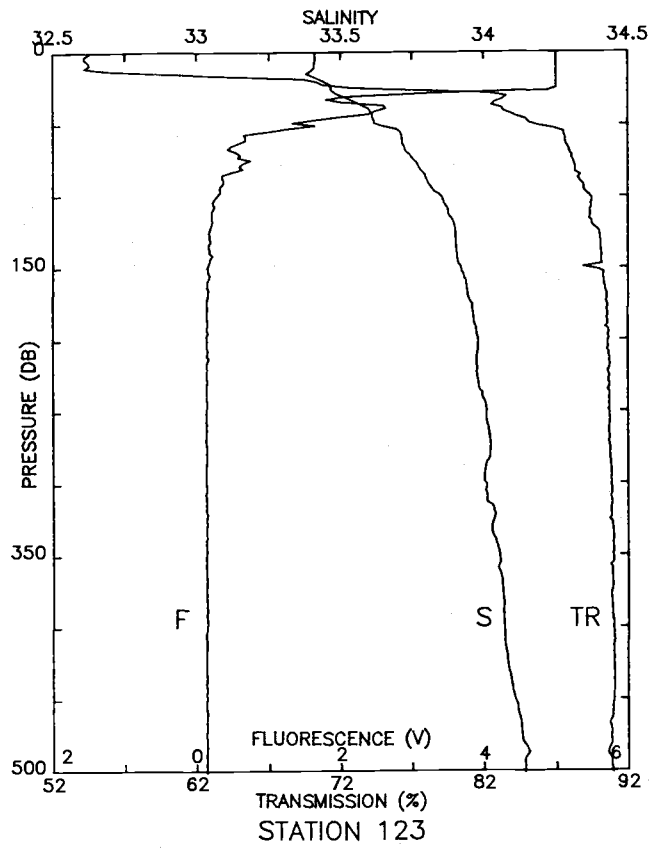
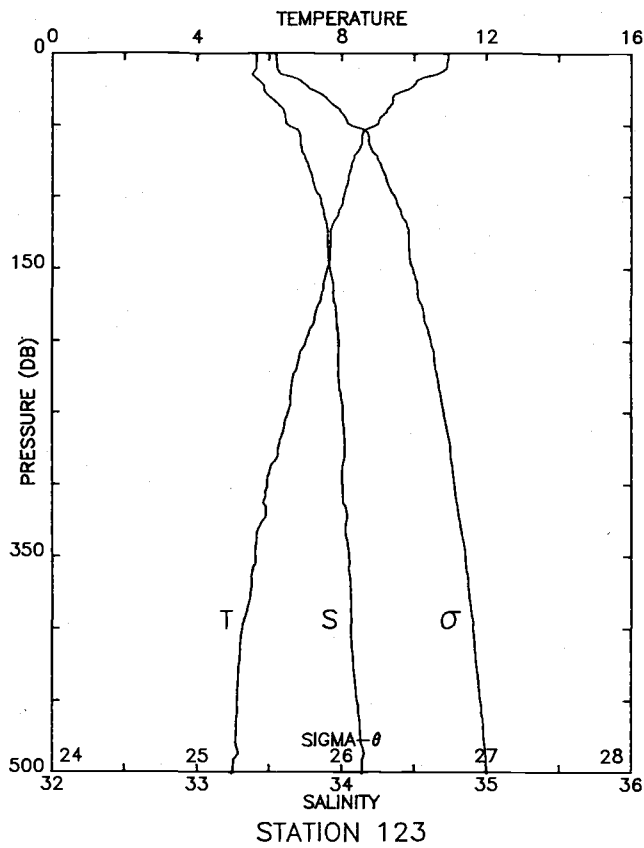
STA NO 121 LAT: 41 29.9 N LONG: 125 30.0 W
17 JUN 1987 1719 GMT PROBE 2561 DEPTH 3092M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	13.322	31.746	13.321	23.811	408.1	0.004	87.9	0.20
10	13.303	31.755	13.301	23.822	407.3	0.041	89.1	0.20
20	13.555	32.230	13.553	24.139	377.3	0.080	89.0	0.21
30	13.638	32.486	13.634	24.320	360.3	0.117	89.3	0.23
40	13.373	32.601	13.367	24.463	347.0	0.152	89.3	0.30
50	12.592	32.585	12.586	24.603	333.8	0.187	87.8	0.74
60	10.740	32.614	10.733	24.965	299.4	0.218	89.7	0.64
70	10.410	32.651	10.402	25.051	291.4	0.247	90.4	0.39
80	10.122	32.727	10.113	25.159	281.3	0.276	90.6	0.29
90	9.792	32.845	9.782	25.306	267.4	0.303	90.8	0.21
100	9.564	32.970	9.553	25.441	254.8	0.329	90.7	0.18
110	9.293	33.099	9.281	25.586	241.2	0.354	90.8	0.15
120	8.843	33.264	8.830	25.786	222.3	0.377	90.8	0.13
130	8.689	33.368	8.676	25.891	212.5	0.399	90.8	0.12
140	8.468	33.527	8.454	26.050	197.5	0.419	90.8	0.12
150	8.241	33.664	8.226	26.191	184.2	0.438	90.8	0.12
175	7.709	33.869	7.692	26.431	161.8	0.481	90.8	0.12
200	7.430	33.932	7.411	26.520	153.6	0.521	90.8	0.13
225	7.077	33.955	7.056	26.589	147.4	0.558	90.9	0.12
250	6.812	33.968	6.789	26.634	143.3	0.595	90.9	0.13
300	6.341	33.980	6.315	26.707	136.9	0.665	91.0	0.13
400	5.755	34.050	5.722	26.837	125.5	0.795	90.9	0.13
500	5.209	34.128	5.169	26.965	114.1	0.915	91.0	0.13
501	5.204	34.130	5.164	26.966	114.0	0.916	91.0	0.13



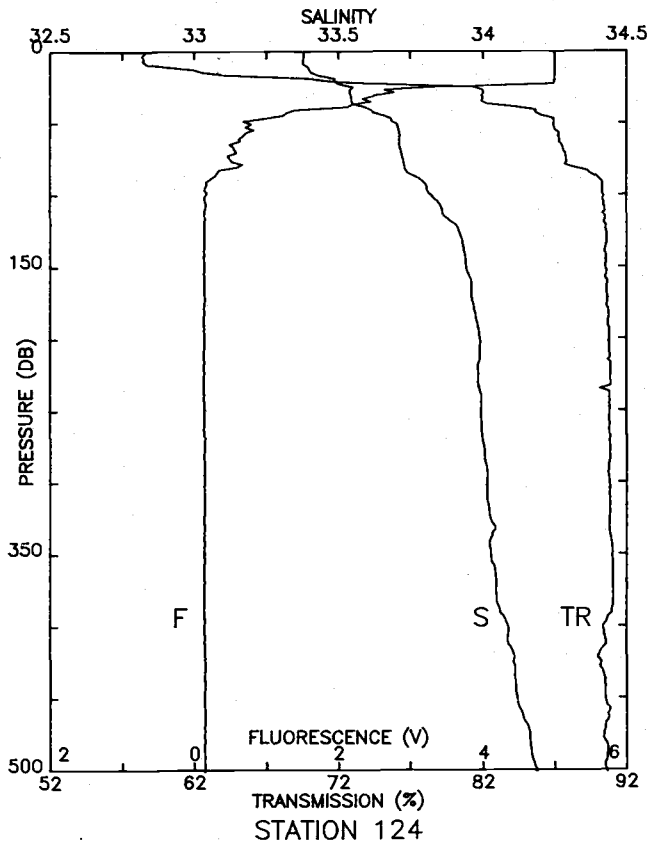
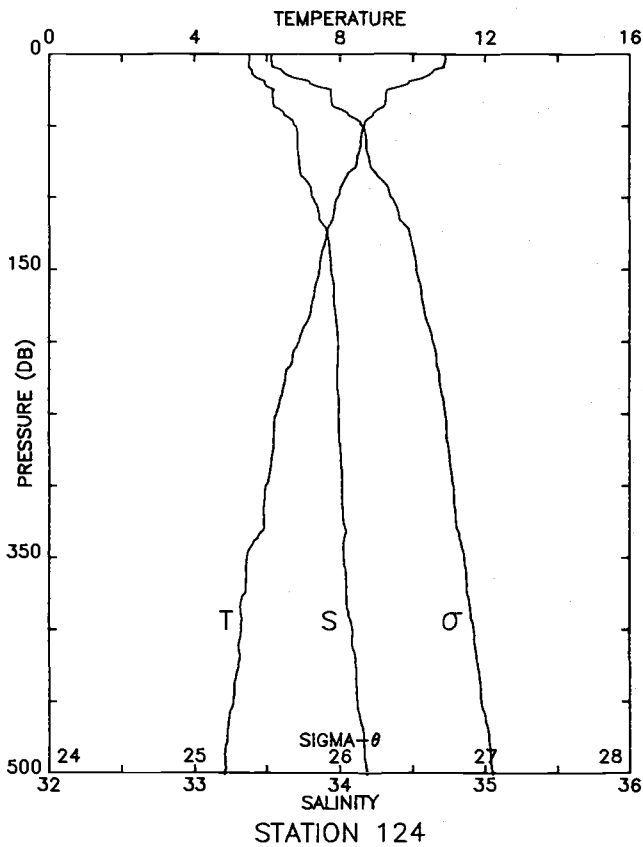
STA NO 122 LAT: 41 29.9 N LONG: 125 19.9 W
17 JUN 1987 1845 GMT PROBE 2561 DEPTH 3092M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	12.322	32.403	12.322	24.513	341.2	0.010	88.6	0.32
10	12.319	32.402	12.318	24.513	341.4	0.034	88.6	0.35
20	12.206	32.441	12.204	24.565	336.7	0.068	87.4	0.48
30	11.527	32.509	11.524	24.743	319.9	0.101	88.6	0.91
40	11.024	32.552	11.019	24.867	308.4	0.133	89.1	0.61
50	10.294	32.619	10.288	25.046	291.5	0.163	89.8	0.45
60	9.983	32.791	9.976	25.232	273.9	0.191	89.2	0.63
70	9.603	33.122	9.595	25.553	243.6	0.217	86.4	1.41
80	9.800	33.269	9.791	25.635	236.0	0.241	78.7	3.34
90	9.653	33.439	9.643	25.792	221.3	0.264	74.7	5.00
100	9.185	33.542	9.174	25.950	206.5	0.285	81.5	2.86
110	8.684	33.556	8.672	26.039	198.1	0.305	88.0	1.21
120	8.468	33.650	8.456	26.146	188.1	0.324	90.1	0.22
130	8.298	33.710	8.285	26.219	181.3	0.343	90.3	0.22
140	8.086	33.754	8.072	26.285	175.1	0.361	90.5	0.16
150	8.001	33.783	7.986	26.321	171.9	0.378	90.7	0.13
175	7.582	33.900	7.565	26.474	157.7	0.419	90.8	0.14
200	7.305	33.941	7.286	26.545	151.2	0.458	90.8	0.15
225	7.038	33.957	7.017	26.595	146.8	0.495	90.8	0.14
250	6.817	33.978	6.795	26.642	142.6	0.531	90.7	0.13
300	6.372	34.019	6.345	26.733	134.4	0.601	90.8	0.14
400	5.520	34.084	5.487	26.892	120.1	0.728	91.0	0.14
500	4.960	34.151	4.921	27.012	109.4	0.843	91.0	0.14
501	4.959	34.152	4.920	27.012	109.4	0.844	91.0	0.14



STA NO 123 LAT: 41 30.1 N LONG: 125 9.7 W
17 JUN 1987 1953 GMT PROBE 2561 DEPTH 3084M

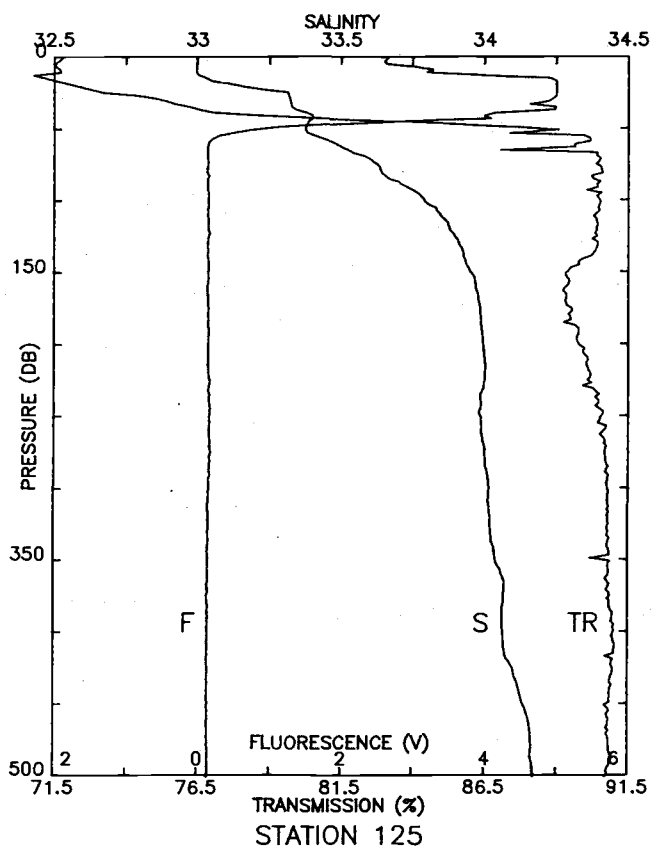
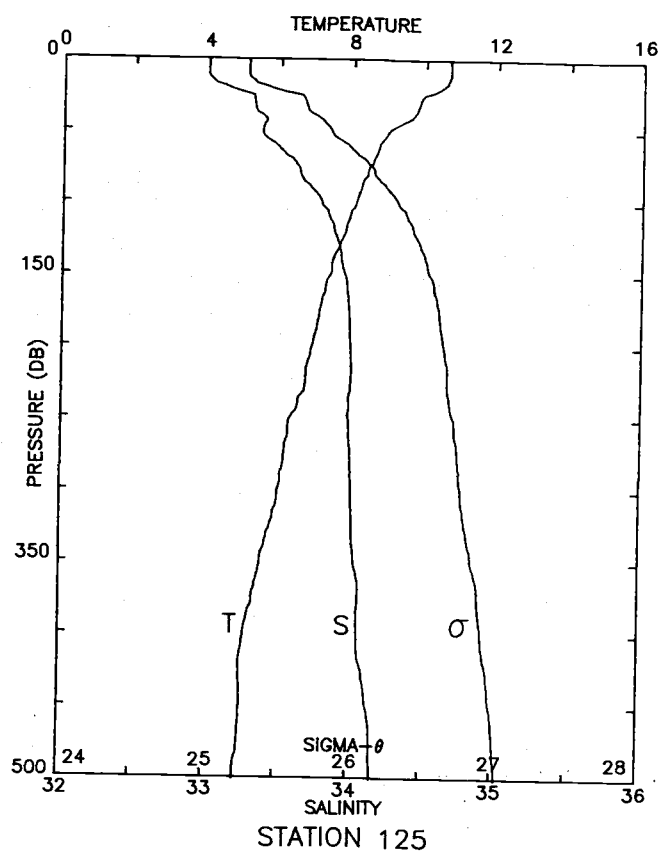
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	10.946	33.409	10.945	25.547	242.8	0.002	54.5	5.00
10	10.898	33.406	10.897	25.554	242.3	0.024	54.3	5.00
20	10.054	33.436	10.052	25.722	226.5	0.048	69.9	5.00
30	9.414	33.497	9.411	25.876	212.1	0.070	83.0	2.61
40	9.231	33.601	9.226	25.987	201.7	0.091	83.3	2.55
50	8.924	33.632	8.918	26.060	195.0	0.110	85.4	1.48
60	8.539	33.716	8.533	26.185	183.2	0.129	87.6	0.67
70	8.380	33.736	8.373	26.226	179.5	0.147	88.0	0.57
80	8.246	33.775	8.238	26.277	174.9	0.165	88.3	0.62
90	8.154	33.804	8.145	26.314	171.5	0.182	88.7	0.37
100	8.047	33.850	8.037	26.365	166.8	0.199	89.4	0.27
110	7.905	33.875	7.895	26.406	163.0	0.216	89.3	0.21
120	7.727	33.897	7.716	26.450	159.1	0.232	89.6	0.20
130	7.681	33.902	7.668	26.461	158.2	0.248	90.1	0.19
140	7.661	33.906	7.648	26.466	157.8	0.263	90.1	0.20
150	7.575	33.920	7.560	26.490	155.7	0.279	89.4	0.15
175	7.336	33.959	7.320	26.555	149.9	0.317	90.5	0.14
200	7.009	33.982	6.991	26.618	144.2	0.354	90.6	0.14
225	6.659	33.977	6.639	26.662	140.2	0.390	90.7	0.14
250	6.518	34.010	6.496	26.707	136.3	0.424	90.7	0.13
300	5.940	34.007	5.915	26.779	129.8	0.491	90.8	0.13
400	5.257	34.069	5.225	26.912	118.0	0.614	91.0	0.14
500	4.966	34.141	4.927	27.003	110.3	0.728	90.9	0.14
501	4.950	34.140	4.911	27.004	110.1	0.729	90.9	0.14



STA NO 124 LAT: 41 30.0 N LONG: 124 59.9 W
 17 JUN 1987 2100 GMT PROBE 2561 DEPTH 1268M

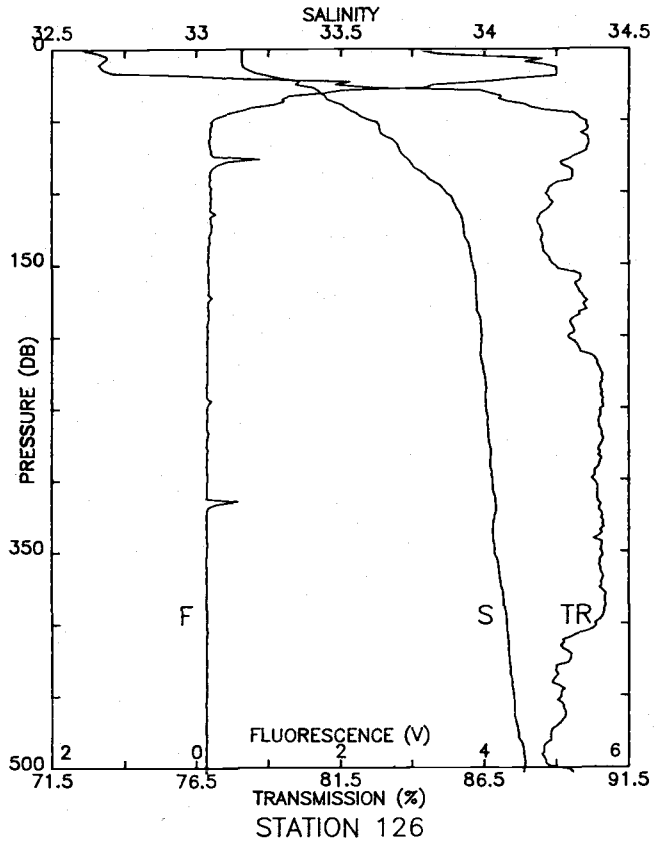
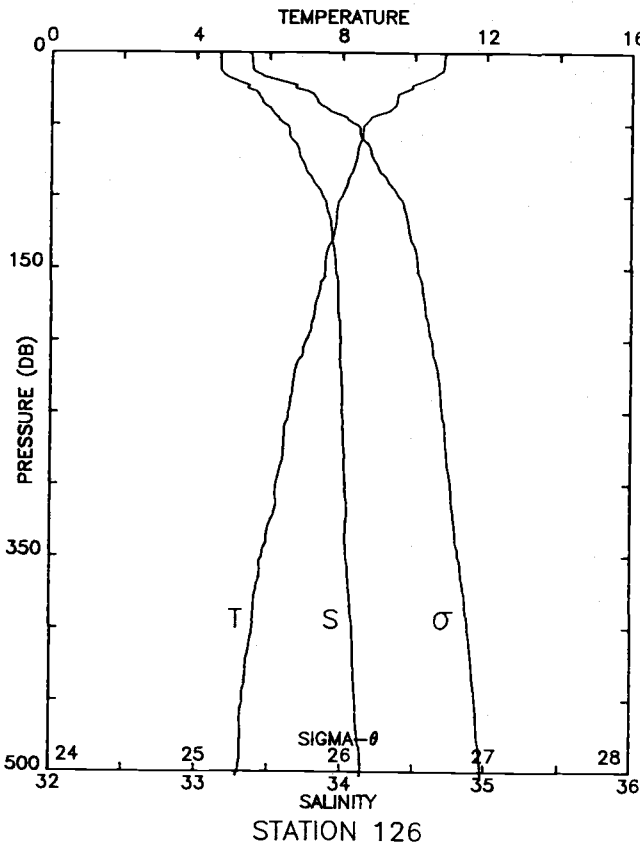
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
1	10.895	33.378	10.895	25.532	244.2	0.002	58.5	5.00
10	10.715	33.384	10.714	25.568	240.9	0.024	59.4	5.00
20	9.860	33.487	9.858	25.795	219.6	0.048	70.6	5.00
30	9.237	33.543	9.234	25.940	206.0	0.069	82.0	2.65
40	8.970	33.606	8.966	26.033	197.4	0.089	84.9	1.76
50	8.644	33.696	8.639	26.154	186.0	0.108	86.9	0.74
60	8.564	33.715	8.557	26.181	183.6	0.127	87.3	0.65
70	8.493	33.720	8.486	26.196	182.4	0.145	87.7	0.58
80	8.357	33.731	8.349	26.226	179.7	0.163	88.1	0.63
90	8.080	33.789	8.071	26.312	171.6	0.181	90.2	0.20
100	7.934	33.819	7.924	26.358	167.4	0.198	90.4	0.17
110	7.839	33.859	7.828	26.404	163.3	0.214	90.5	0.16
120	7.685	33.897	7.673	26.456	158.5	0.230	90.5	0.14
130	7.595	33.925	7.583	26.490	155.3	0.246	90.6	0.14
140	7.485	33.935	7.472	26.514	153.2	0.261	90.5	0.13
150	7.435	33.940	7.421	26.526	152.3	0.277	90.5	0.14
175	7.219	33.966	7.203	26.576	147.8	0.314	90.6	0.14
200	6.878	33.990	6.859	26.642	141.9	0.350	90.8	0.14
225	6.512	33.984	6.492	26.687	137.8	0.385	90.9	0.14
250	6.269	33.994	6.247	26.727	134.3	0.419	90.8	0.15
300	5.977	34.014	5.952	26.780	129.8	0.485	90.8	0.14
400	5.293	34.088	5.261	26.922	117.0	0.609	90.4	0.14
500	4.835	34.187	4.796	27.054	105.3	0.721	90.6	0.15
501	4.832	34.188	4.793	27.055	105.2	0.722	90.6	0.15

6 MIN GAP AT 105 DB



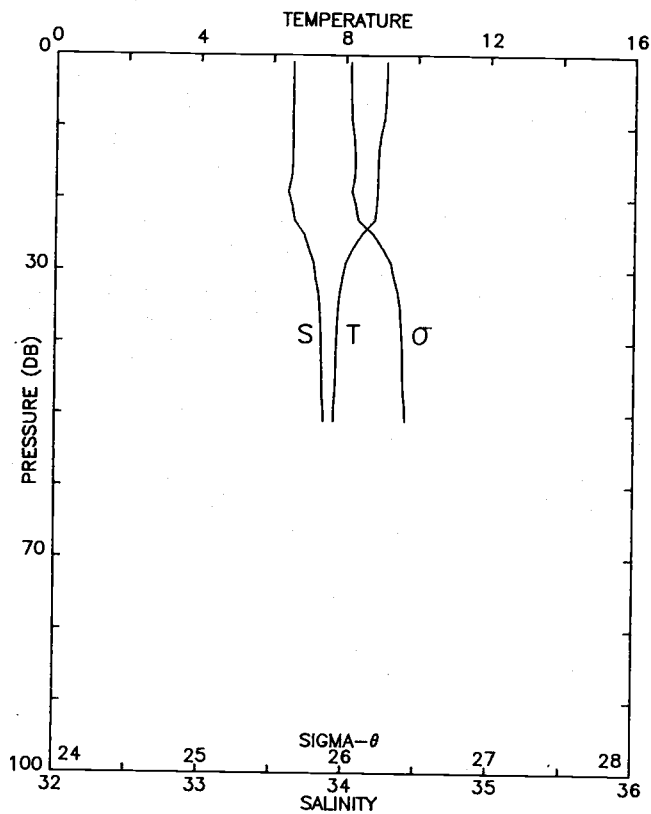
STA NO 125 LAT: 41 30.1 N LONG: 124 49.9 W
17 JUN 1987 2209 GMT PROBE 2561 DEPTH 912M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	10.670	32.997	10.670	25.274	268.7	0.003	71.8	2.65
10	10.675	32.995	10.674	25.272	269.1	0.027	71.7	3.24
20	10.424	33.139	10.422	25.428	254.5	0.053	66.1	5.00
30	9.820	33.320	9.817	25.671	231.6	0.077	75.2	4.92
40	9.620	33.387	9.616	25.757	223.6	0.100	77.9	4.06
50	8.969	33.374	8.963	25.851	214.8	0.122	88.4	0.93
60	8.709	33.476	8.703	25.971	203.5	0.143	89.9	0.16
70	8.555	33.592	8.548	26.086	192.8	0.163	90.5	0.14
80	8.384	33.641	8.376	26.151	186.8	0.182	90.6	0.14
90	8.204	33.723	8.195	26.242	178.3	0.200	90.4	0.14
100	8.081	33.790	8.071	26.314	171.7	0.218	90.5	0.15
110	7.916	33.845	7.905	26.381	165.5	0.234	90.3	0.14
120	7.801	33.879	7.790	26.424	161.5	0.251	90.4	0.15
130	7.644	33.911	7.631	26.472	157.1	0.267	90.4	0.14
140	7.463	33.929	7.450	26.513	153.4	0.282	90.0	0.14
150	7.404	33.953	7.390	26.540	150.9	0.297	89.3	0.15
175	7.113	33.985	7.097	26.606	145.0	0.334	89.5	0.15
200	6.916	33.995	6.898	26.642	141.9	0.370	89.8	0.15
225	6.754	34.000	6.733	26.668	139.8	0.405	90.1	0.17
250	6.334	33.985	6.313	26.711	135.8	0.440	90.6	0.17
300	6.034	34.015	6.009	26.773	130.4	0.506	90.8	0.16
400	5.126	34.065	5.094	26.923	116.8	0.630	91.0	0.14
500	4.888	34.170	4.849	27.035	107.2	0.741	90.8	0.14
501	4.888	34.170	4.848	27.035	107.2	0.742	90.7	0.14

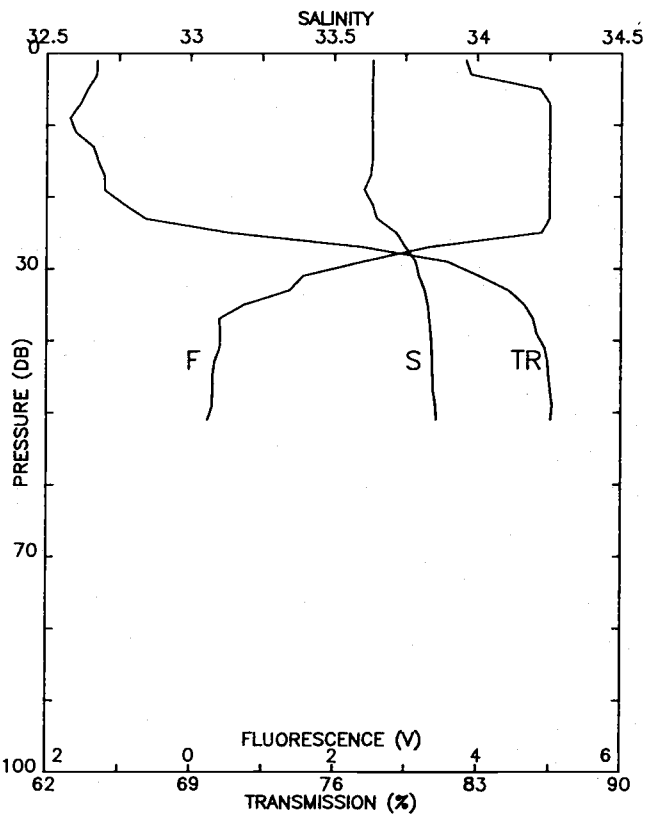


STA NO 126 LAT: 41 30.0 N LONG: 124 39.8 W
17 JUN 1987 2315 GMT PROBE 2561 DEPTH 931M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	10.853	33.159	10.852	25.369	259.7	0.003	72.6	3.15
10	10.801	33.159	10.800	25.378	259.1	0.026	73.2	4.69
20	10.208	33.278	10.206	25.573	240.7	0.051	77.3	4.70
30	9.511	33.427	9.508	25.805	218.8	0.074	86.5	1.88
40	9.313	33.512	9.308	25.904	209.6	0.096	88.0	0.92
50	8.610	33.610	8.604	26.091	191.9	0.116	90.0	0.23
60	8.524	33.650	8.518	26.137	187.8	0.135	90.0	0.19
70	8.404	33.707	8.397	26.199	182.1	0.153	90.1	0.20
80	8.307	33.749	8.299	26.247	177.7	0.171	89.2	0.35
90	8.145	33.808	8.136	26.318	171.2	0.188	89.5	0.20
100	7.984	33.869	7.974	26.389	164.5	0.205	88.7	0.20
110	7.845	33.902	7.834	26.436	160.2	0.221	88.8	0.20
120	7.816	33.925	7.805	26.459	158.2	0.237	88.3	0.20
130	7.728	33.933	7.716	26.478	156.6	0.253	88.5	0.18
140	7.562	33.952	7.549	26.517	153.0	0.268	88.6	0.17
150	7.531	33.960	7.517	26.527	152.2	0.284	88.9	0.16
175	7.262	33.973	7.246	26.576	147.9	0.321	90.1	0.17
200	7.017	33.992	6.999	26.625	143.5	0.358	89.4	0.15
225	6.692	34.000	6.672	26.676	139.0	0.393	90.6	0.15
250	6.538	34.006	6.515	26.701	136.9	0.427	90.6	0.15
300	6.210	34.029	6.184	26.762	131.6	0.495	90.3	0.15
400	5.571	34.078	5.538	26.882	121.1	0.621	90.4	0.14
500	5.183	34.141	5.143	26.978	112.9	0.738	89.1	0.14
503	5.149	34.139	5.108	26.980	112.6	0.741	89.6	0.15



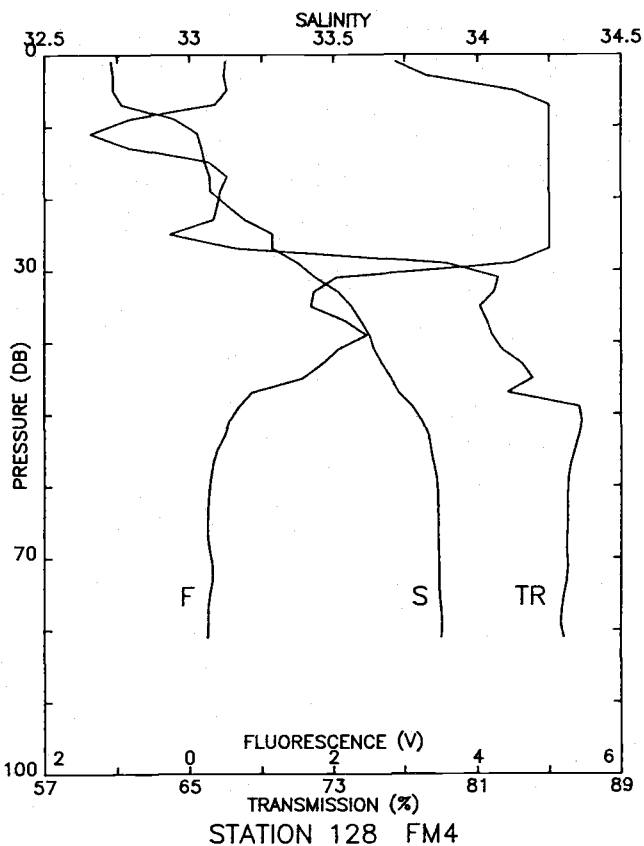
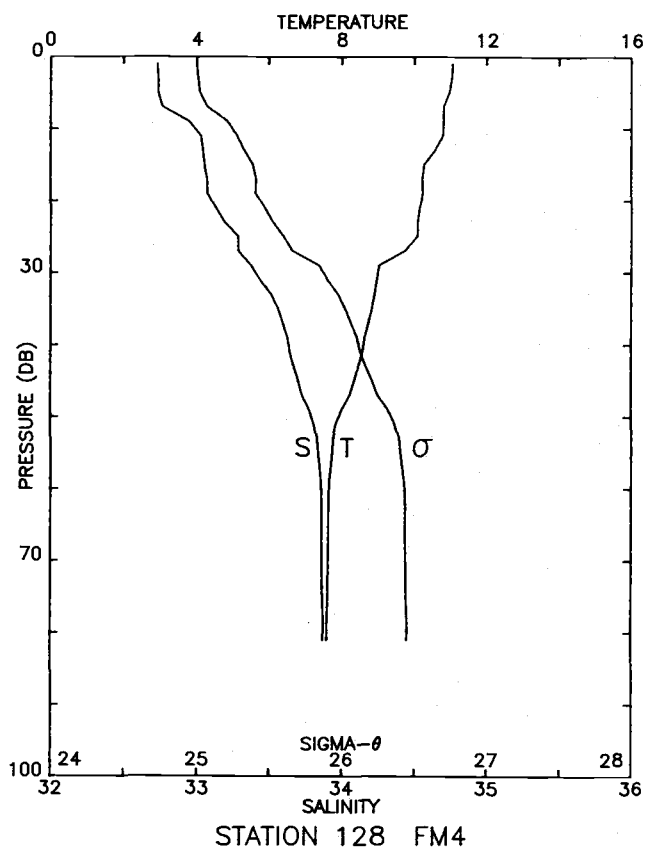
STATION 127 FM3



STATION 127 FM3

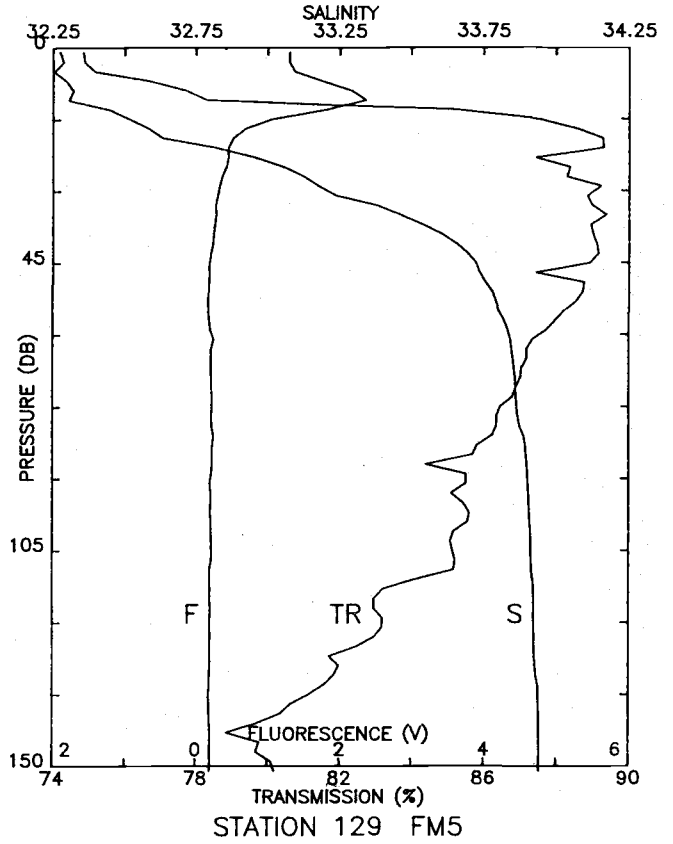
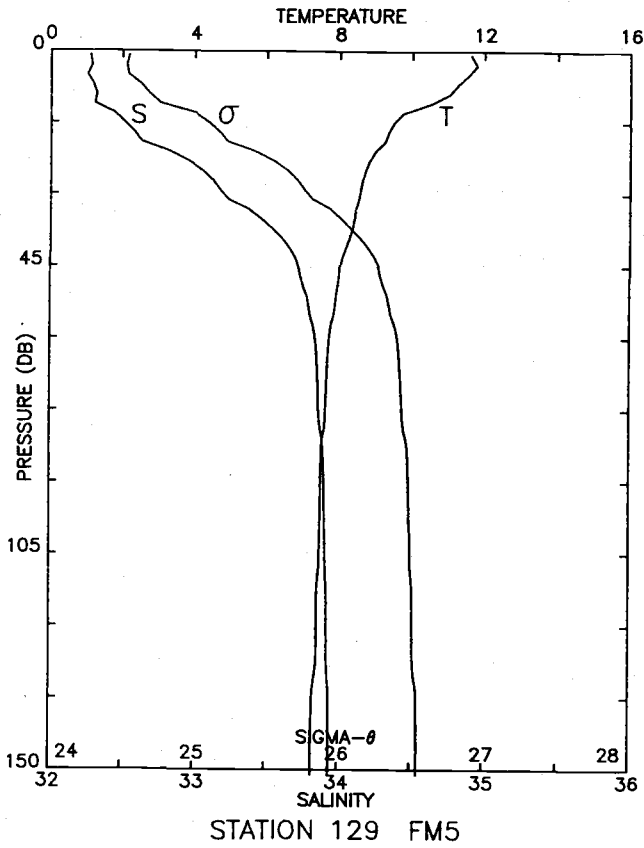
STA NO 127 FM3 LAT: 43 13.0 N LONG: 124 30.0 W
 18 JUN 1987 1703 GMT PROBE 2561 DEPTH 56M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	9.119	33.634	9.119	26.030	196.9	0.002	64.4	3.84
10	9.007	33.633	9.006	26.047	195.4	0.020	63.3	5.00
20	8.869	33.620	8.867	26.059	194.5	0.039	65.3	5.00
30	7.970	33.792	7.967	26.331	168.8	0.057	82.3	1.98
40	7.768	33.841	7.764	26.398	162.6	0.074	86.1	0.41
50	7.706	33.858	7.702	26.421	160.6	0.090	86.6	0.27
51	7.702	33.859	7.697	26.422	160.5	0.092	86.6	0.24



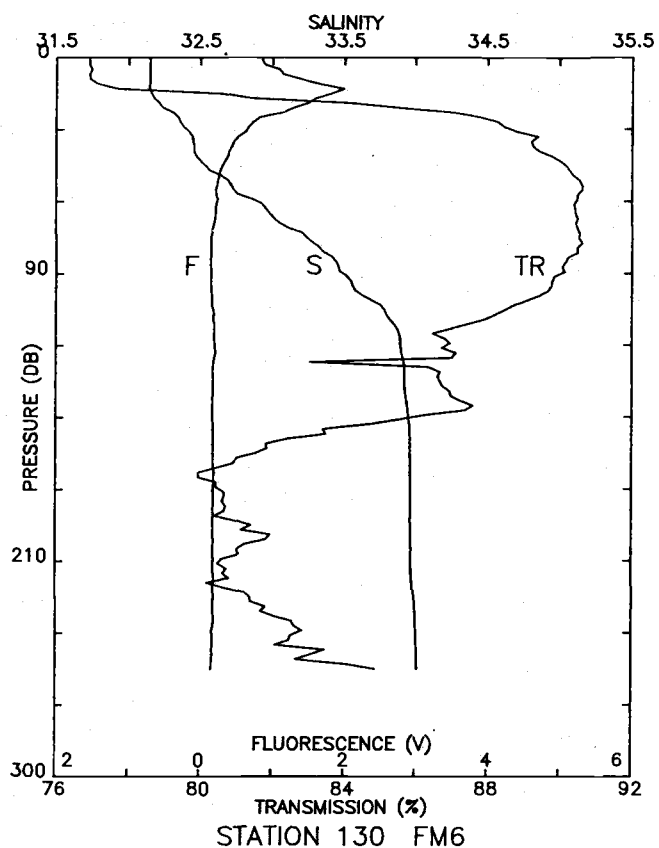
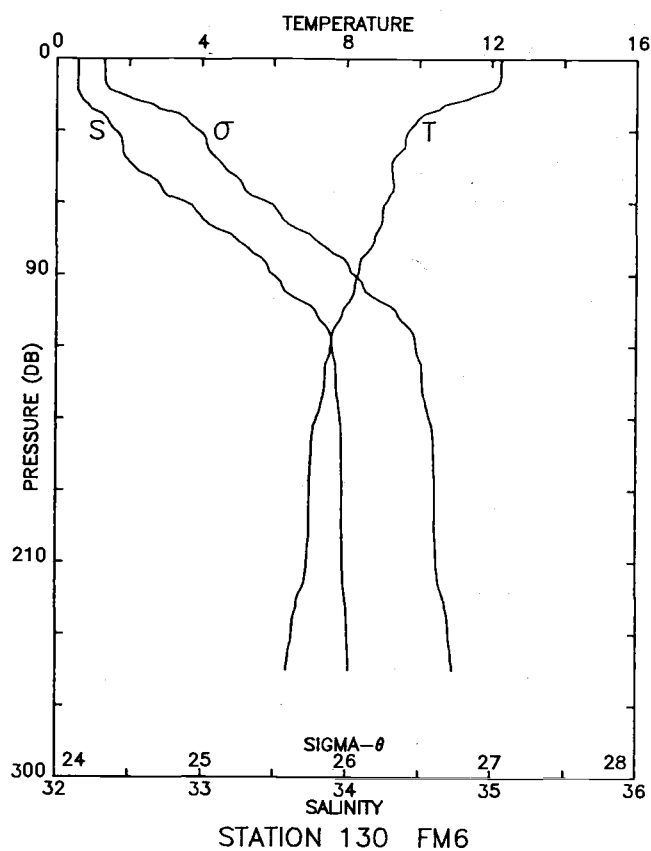
STA NO 128 FM4 LAT: 43 12.9 N LONG: 124 35.2 W
 18 JUN 1987 1736 GMT PROBE 2561 DEPTH 85M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	11.056	32.728	11.056	24.998	295.0	0.003	67.0	2.88
10	10.793	32.988	10.792	25.246	271.6	0.029	60.6	5.00
20	10.179	33.102	10.176	25.441	253.2	0.055	66.6	5.00
30	8.975	33.408	8.972	25.876	212.0	0.079	80.7	3.27
40	8.591	33.637	8.587	26.116	189.4	0.098	82.1	2.27
50	7.920	33.796	7.915	26.341	168.2	0.116	86.8	0.62
60	7.653	33.862	7.647	26.432	159.7	0.133	86.0	0.28
70	7.632	33.868	7.626	26.439	159.2	0.149	86.0	0.30
80	7.604	33.878	7.597	26.452	158.2	0.165	85.7	0.26
81	7.605	33.877	7.598	26.451	158.3	0.166	85.8	0.26



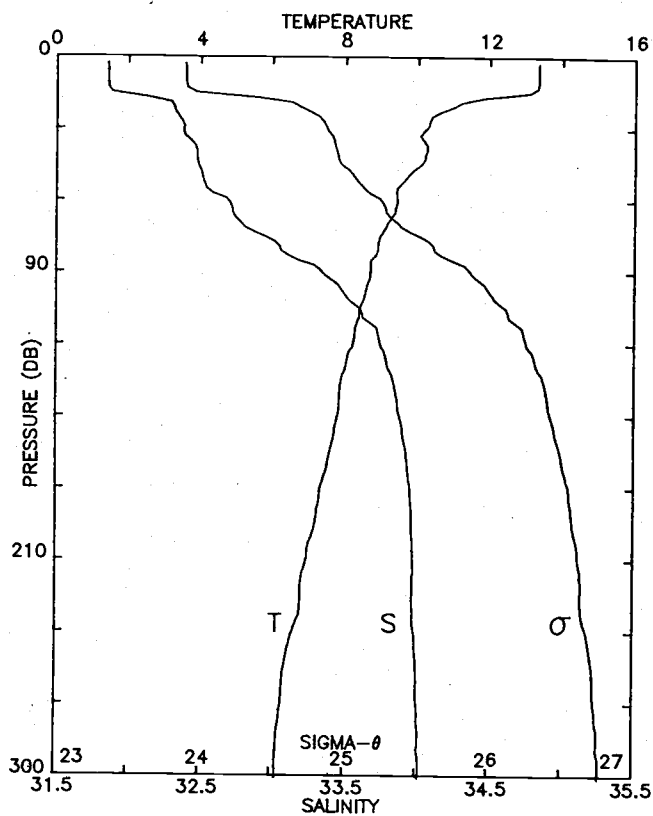
STA NO 129 FM5 LAT: 43 13.0 N LONG: 124 40.0 W
18 JUN 1987 1805 GMT PROBE 2561 DEPTH 164M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	11.634	32.275	11.634	24.541	338.5	0.003	74.8	1.30
10	10.767	32.313	10.766	24.725	321.2	0.033	78.0	2.26
20	9.105	32.727	9.103	25.323	264.5	0.062	89.3	0.49
30	8.550	33.208	8.547	25.785	220.6	0.086	89.0	0.32
40	8.228	33.631	8.224	26.166	184.7	0.106	89.1	0.24
50	7.939	33.767	7.934	26.316	170.6	0.124	88.7	0.18
60	7.733	33.839	7.727	26.402	162.6	0.140	87.5	0.23
70	7.664	33.860	7.657	26.429	160.2	0.157	87.0	0.22
80	7.583	33.882	7.576	26.458	157.6	0.173	86.3	0.24
90	7.518	33.904	7.510	26.484	155.2	0.188	85.5	0.21
100	7.502	33.911	7.492	26.493	154.6	0.204	85.4	0.22
110	7.450	33.919	7.439	26.506	153.5	0.219	84.6	0.20
120	7.421	33.925	7.409	26.515	152.8	0.234	83.2	0.20
130	7.371	33.930	7.359	26.527	151.8	0.250	81.9	0.20
140	7.290	33.942	7.277	26.547	150.1	0.265	80.0	0.20
150	7.284	33.942	7.270	26.549	150.1	0.280	80.2	0.20
151	7.284	33.942	7.270	26.548	150.1	0.281	80.2	0.20

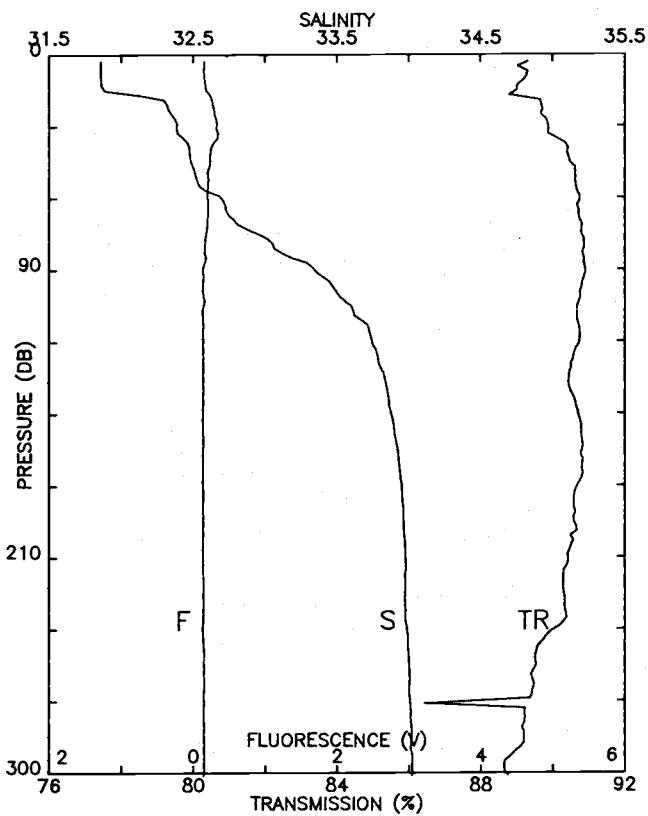


STA NO 130 FM6 LAT: 43 13.0 N LONG: 124 45.1 W
 18 JUN 1987 1836 GMT PROBE 2561 DEPTH 323M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
			TEMP	THETA				
1	12.248	32.145	12.248	24.327	358.9	0.004	76.9	0.85
10	12.199	32.143	12.198	24.335	358.4	0.036	77.0	1.52
20	10.619	32.227	10.616	24.684	325.3	0.070	84.9	1.38
30	9.696	32.405	9.693	24.977	297.6	0.101	88.6	0.65
40	9.381	32.466	9.376	25.075	288.4	0.131	89.6	0.40
50	9.268	32.669	9.262	25.252	271.7	0.159	90.5	0.26
60	9.065	32.895	9.058	25.462	252.0	0.185	90.4	0.24
70	8.910	33.079	8.903	25.630	236.2	0.209	90.5	0.19
80	8.574	33.337	8.566	25.884	212.2	0.232	90.5	0.15
90	8.282	33.491	8.273	26.049	196.7	0.252	90.0	0.16
100	8.103	33.657	8.093	26.205	182.0	0.271	89.3	0.17
110	7.751	33.835	7.740	26.397	163.9	0.288	87.7	0.19
120	7.545	33.899	7.534	26.477	156.4	0.304	86.9	0.21
130	7.400	33.926	7.388	26.519	152.6	0.319	86.5	0.18
140	7.349	33.933	7.336	26.532	151.5	0.335	87.0	0.18
150	7.168	33.955	7.154	26.575	147.6	0.350	85.9	0.18
175	6.986	33.971	6.970	26.612	144.3	0.386	80.0	0.19
200	6.965	33.974	6.946	26.618	144.2	0.422	81.9	0.19
225	6.666	33.994	6.646	26.674	139.1	0.458	81.4	0.19
250	6.394	34.014	6.372	26.726	134.4	0.492	82.8	0.18
255	6.350	34.017	6.328	26.735	133.7	0.499	84.9	0.16



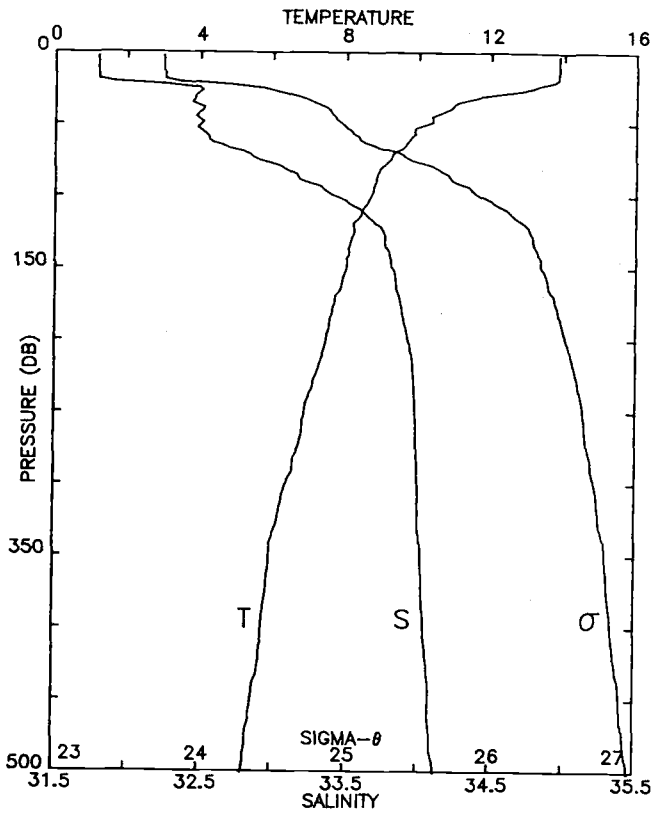
STATION 131 FM7



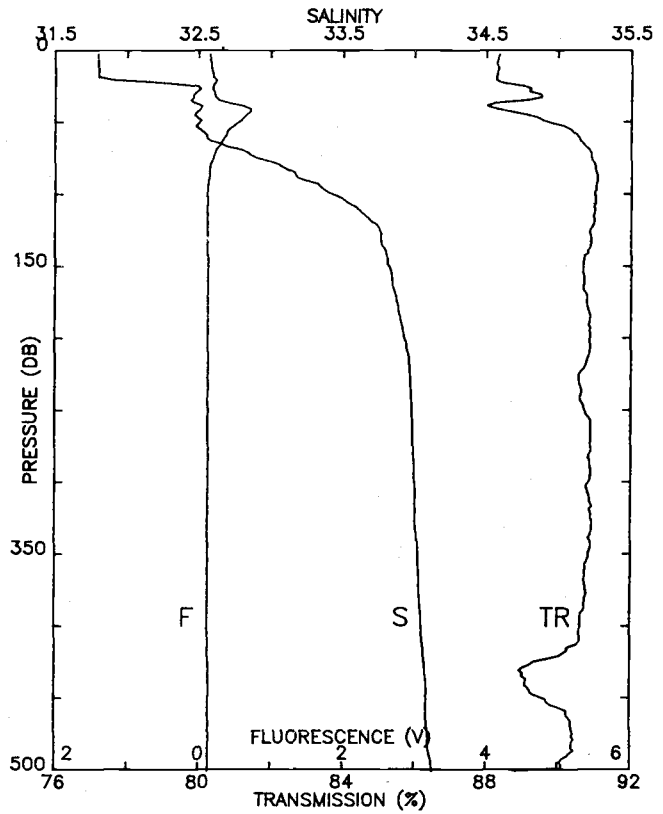
STATION 131 FM7

STA NO 131 FM7 LAT: 43 13.0 N LONG: 124 50.1 W
 18 JUN 1987 1913 GMT PROBE 2561 DEPTH 328M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
3	13.347	31.857	13.346	23.892	400.4	0.012	89.3	0.15
10	13.335	31.859	13.334	23.896	400.3	0.040	89.2	0.15
20	11.091	32.305	11.088	24.663	327.3	0.078	89.7	0.27
30	10.223	32.384	10.220	24.874	307.4	0.109	89.9	0.33
40	10.228	32.474	10.223	24.944	301.0	0.139	90.4	0.24
50	9.700	32.514	9.695	25.062	289.9	0.169	90.6	0.20
60	9.421	32.696	9.414	25.249	272.2	0.197	90.7	0.20
70	9.144	32.795	9.136	25.371	260.8	0.224	90.8	0.20
80	8.892	33.057	8.884	25.615	237.8	0.249	90.9	0.16
90	8.691	33.344	8.681	25.872	213.5	0.271	90.9	0.13
100	8.524	33.508	8.514	26.025	199.1	0.292	90.8	0.13
110	8.349	33.645	8.338	26.160	186.5	0.311	90.7	0.13
120	8.218	33.745	8.206	26.258	177.4	0.329	90.7	0.13
130	8.006	33.799	7.993	26.332	170.4	0.347	90.5	0.14
140	7.856	33.851	7.842	26.395	164.6	0.363	90.5	0.14
150	7.802	33.879	7.787	26.425	161.9	0.380	90.7	0.13
175	7.432	33.943	7.415	26.528	152.5	0.419	90.8	0.13
200	7.115	33.970	7.096	26.595	146.5	0.456	90.6	0.13
225	6.818	33.976	6.797	26.640	142.4	0.492	90.3	0.14
250	6.431	33.999	6.409	26.709	136.0	0.527	89.5	0.15
300	6.150	34.023	6.124	26.765	131.2	0.594	88.7	0.15
301	6.150	34.021	6.124	26.764	131.4	0.595	88.7	0.14



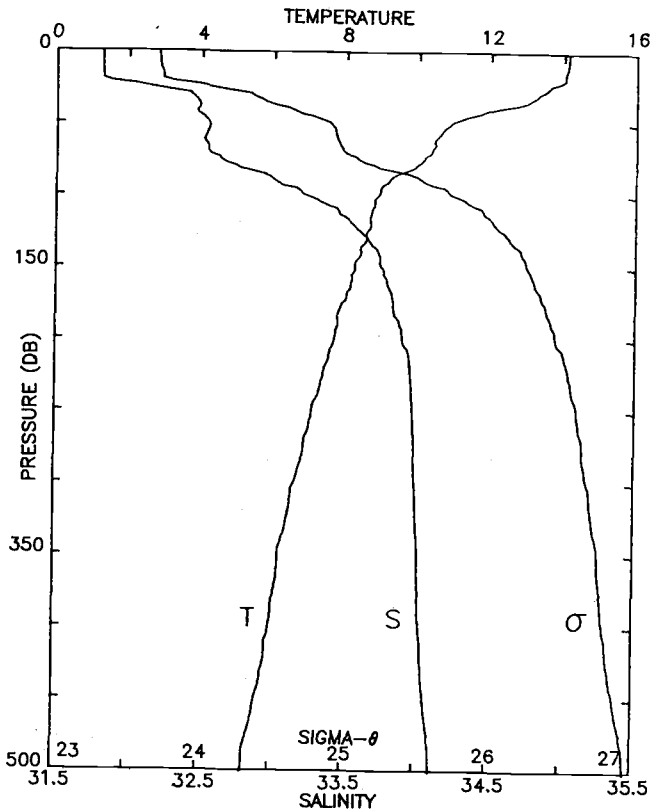
STATION 132 FM8



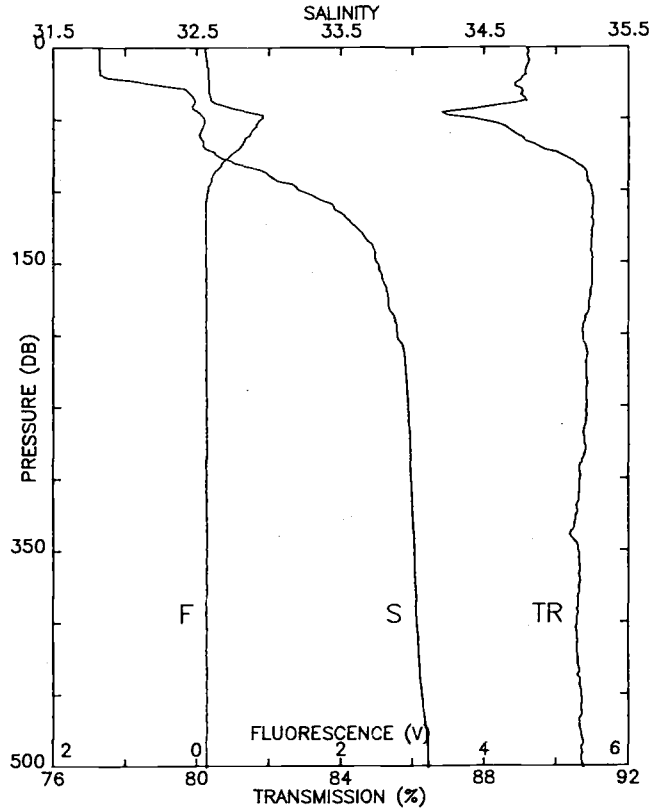
STATION 132 FM8

STA NO 132 FM8 LAT: 43 13.0 N LONG: 125 0.1 W
 18 JUN 1987 2010 GMT PROBE 2561 DEPTH 1080M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD	TRN	FL
	TEMP		TEMP	THETA				
3	13.852	31.798	13.852	23.745	414.5	0.012	88.4	0.16
10	13.838	31.798	13.837	23.748	414.4	0.041	88.3	0.18
20	13.734	31.847	13.731	23.807	409.0	0.083	88.3	0.22
30	11.993	32.474	11.989	24.630	330.7	0.119	89.3	0.22
40	10.815	32.520	10.810	24.878	307.2	0.151	88.1	0.67
50	10.242	32.509	10.237	24.968	298.8	0.181	89.7	0.56
60	9.763	32.558	9.756	25.086	287.7	0.210	90.5	0.37
70	9.314	32.817	9.307	25.361	261.7	0.238	90.9	0.24
80	8.946	33.060	8.938	25.610	238.3	0.263	91.0	0.16
90	8.794	33.219	8.784	25.758	224.4	0.286	91.1	0.14
100	8.660	33.423	8.649	25.938	207.4	0.308	91.0	0.12
110	8.424	33.603	8.413	26.116	190.7	0.328	91.0	0.12
120	8.184	33.717	8.172	26.241	178.9	0.346	91.0	0.12
130	8.132	33.767	8.119	26.288	174.7	0.364	90.9	0.13
140	8.071	33.801	8.057	26.324	171.4	0.381	90.8	0.12
150	7.990	33.817	7.975	26.348	169.3	0.398	90.7	0.13
175	7.671	33.876	7.654	26.442	160.8	0.439	90.8	0.13
200	7.456	33.931	7.437	26.516	154.0	0.479	90.9	0.13
225	7.163	33.967	7.142	26.586	147.7	0.516	90.6	0.13
250	6.880	33.981	6.857	26.636	143.2	0.553	90.7	0.13
300	6.386	34.002	6.359	26.718	135.9	0.623	90.8	0.13
400	5.748	34.055	5.714	26.842	125.1	0.752	90.6	0.13
500	5.220	34.128	5.180	26.963	114.3	0.872	89.5	0.14
501	5.213	34.130	5.173	26.966	114.1	0.874	88.8	0.14



STATION 133 FM9



STATION 133 FM9

STA NO 133 FM9 LAT: 43 13.0 N LONG: 125 10.1 W
18 JUN 1987 2126 GMT PROBE 2561 DEPTH 1663M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD	TRN	FL
1	14.124	31.818	14.124	23.704	418.3	0.004	89.2	0.11
10	14.089	31.818	14.088	23.712	417.8	0.042	89.2	0.14
20	13.955	31.850	13.952	23.765	413.0	0.083	89.1	0.15
30	13.269	32.427	13.264	24.349	357.6	0.122	89.1	0.16
40	12.037	32.475	12.032	24.623	331.7	0.156	88.5	0.32
50	10.877	32.550	10.871	24.891	306.2	0.188	87.8	0.89
60	10.478	32.517	10.471	24.935	302.2	0.219	88.9	0.74
70	10.338	32.553	10.330	24.987	297.5	0.249	89.6	0.59
80	9.900	32.746	9.891	25.211	276.3	0.277	90.5	0.35
90	9.190	33.015	9.180	25.536	245.5	0.303	90.9	0.21
100	8.899	33.228	8.889	25.748	225.5	0.327	91.0	0.15
110	8.726	33.445	8.714	25.946	206.9	0.348	91.0	0.12
120	8.695	33.552	8.682	26.035	198.7	0.368	91.0	0.12
130	8.566	33.654	8.553	26.134	189.4	0.388	91.0	0.12
140	8.418	33.729	8.403	26.215	181.8	0.406	91.0	0.12
150	8.255	33.752	8.239	26.258	177.9	0.424	91.0	0.12
175	7.892	33.832	7.875	26.375	167.1	0.468	90.9	0.12
200	7.704	33.897	7.685	26.454	160.1	0.508	90.7	0.13
225	7.397	33.954	7.376	26.543	151.9	0.547	90.8	0.13
250	7.091	33.971	7.067	26.599	146.8	0.584	90.8	0.13
300	6.625	33.992	6.598	26.679	139.8	0.656	90.7	0.13
400	5.965	34.033	5.931	26.797	129.5	0.790	90.6	0.13
500	5.247	34.118	5.207	26.952	115.4	0.913	90.8	0.14
501	5.243	34.118	5.202	26.953	115.3	0.914	90.8	0.14