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**Hydrographic Data From The Second
Coastal Ocean Dynamics Experiment:
R/V Wecoma, Leg 9, 6-27 July 1982**

by
**Adriana Huyer
Jane Fleischbein
Rich Schramm**

Data Report 109
Reference 84-7
April 1984

Code Technical Report No. 25
National Science Foundation
OCE-8014943

College of Oceanography
Oregon State University
Corvallis, OR 97331

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ABSTRACT

CTD observations were made in the Code region near Pt. Arena on the northern California coast at 39°N during 14-27 July 1982. The observations in the Code region included three repeated sections along the Central Line, two mesoscale surveys of the shelf/slope region, and an alongshore section over the 90 fathom isobath. The maximum sampling depth was 1000 m. This data report contains vertical sections, offshore survey maps, mesoscale maps and offshore profiles to summarize the data, and vertical profile plots and listings of the data at standard depths for each of the 145 CTD stations.

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INTRODUCTION

The Coastal Ocean Dynamics Experiment seeks to describe the response of continental shelf waters to a time-varying wind stress. The primary purposes of R/V Wecoma cruise CODE-2 Leg 9 were to make CTD sections and surveys in the CODE region over and near the continental shelf between Pt. Arena and Pt. Reyes on the northern California coast, and to make continuous shipboard velocity measurements by means of a Doppler acoustic log. Other purposes were to deploy surface and subsurface drifters (Davis, 1983); to deploy a SuperCODE current meter mooring off Coos Bay; and to make low-level meteorological observations, underway measurements of the surface temperature, salinity and oxygen, and "tow-yo" CTD casts (in which a CTD is continuously raised and lowered while the ship steams slowly) across fronts and small eddies. In addition, it was hoped that a scuba diver would be able to check some of the current meters on the CODE surface moorings. Principal investigators and cruise participants for each of these missions are listed in Table 1. Only the conventional CTD data are presented in this report.

The cruise began in Newport, Oregon on 6 July 1984 and ended in San Francisco on 27 July. It was divided into two parts by a personnel change by small boat at Bodega Bay on 14 July. All conventional CTD observations were made between 14 and 27 July 1984 (Table 2). During this period, we were able to make two mesoscale surveys of the continental shelf and upper slope region, three repeated sections along each of the Pt. Arena and Code Central Lines, and an alongshore section along the 50 fathom isobath (Figure 1, 2; Table 2).

Satellite infrared images were used to determine the best sites for making the Scripps tow-yo CTD observations. The image for 22 July indicated

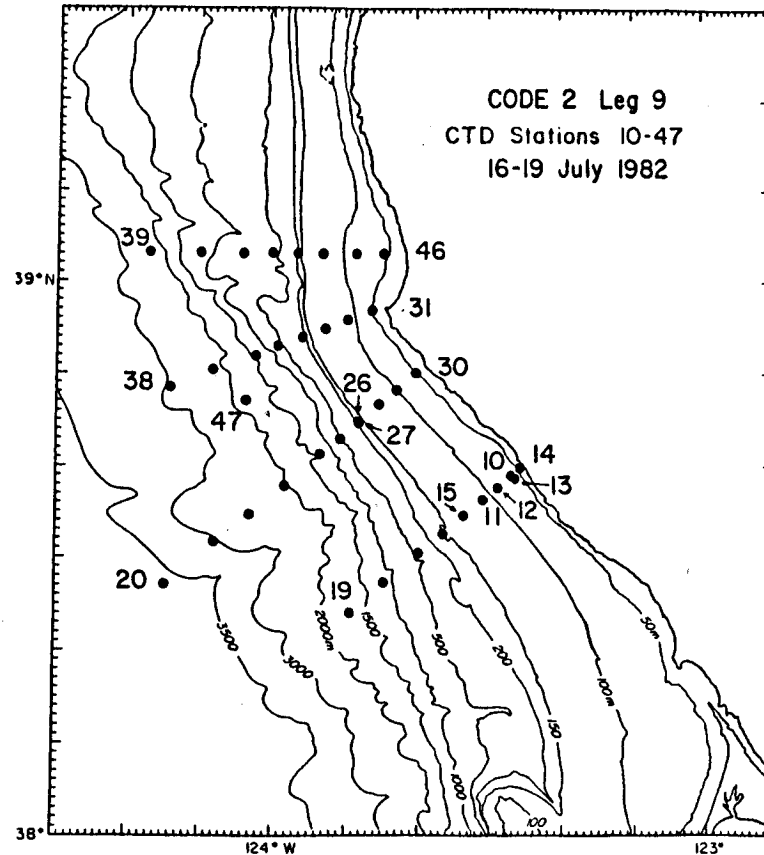
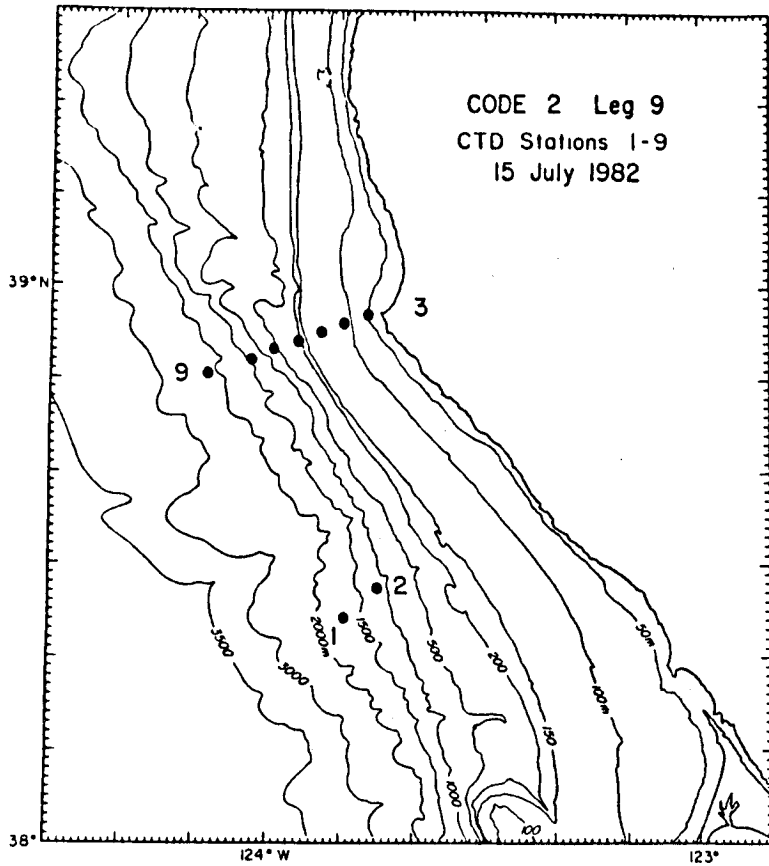


Figure 1. Location of CTD stations 1 - 46 in the CODE region, 15 - 19 July 1982.

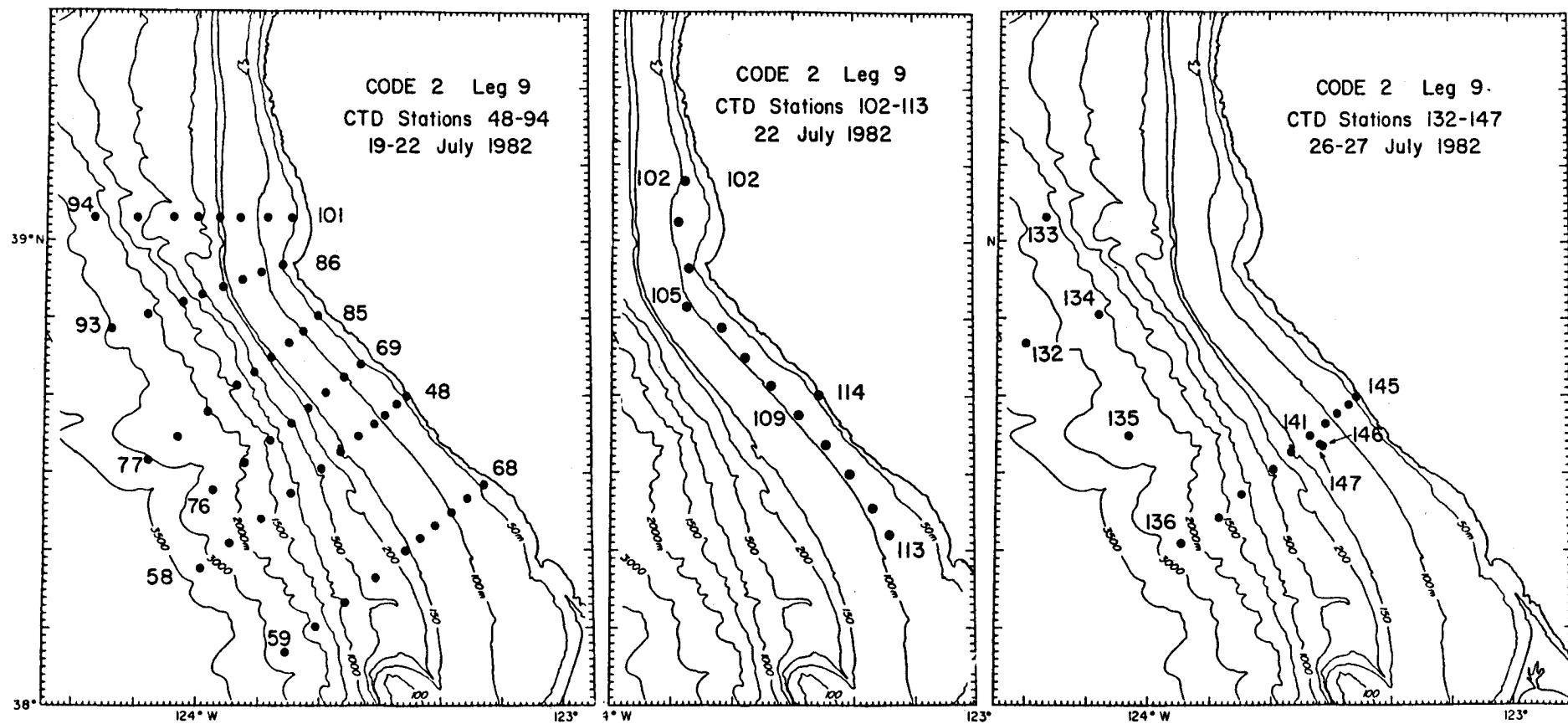


Figure 2. Location of CTD stations 59 - 114 and 133 - 145 in the CODE region, 19 - 27 July 1982.

Table 1. Projects, principal investigators and personnel participating in CODE-2 Leg 9, 6 - 27 July 1982.

<u>Project</u>	<u>Principal Investigator</u>	<u>Personnel on Board</u>
CTD Sections and Surveys (14-27 July)	A. Huyer, OSU	A. Huyer, [†] OSU D. Bartz, OSU J. Fleischbein, OSU R. Hevner, OSU M. Miller, OSU H. Schaechterle, OSU R. Schramm, OSU
DAL Velocities and Drifters (6-27 July)	R. E. Davis, SIO	M. Kosro,* SIO A. Dorkins, SIO
Tow-Yo CTD Casts and Underway T, S, O ₂ (6-27 July)	L. Armi, SIO	L. Washburn, SIO P. Flament, SIO W. Richter, SIO
Low-Level Meteorology (6-14 July)	C. Dorman, SDSU	W. Worthington, SDSU R. Fleck, SDSU L. Newhouse, HSU K. Peter, HSU
CODE Mooring Maintenance (9-14 July)	C. Winant, SIO	M. Clifton, SIO P. D'Acri, SIO P. Harvey, SIO
SuperCODE Mooring Deployment (6-9 July)	J. S. Allen, A. Huyer, R. L. Smith, OSU	J. S. Allen, OSU R. E. Still, OSU

*Chief Scientist, 6 - 14 July
[†]Chief Scientist, 14 - 27 July
 OSU = Oregon State University
 SIO = Scripps Institution of Oceanography
 SDSU = San Diego State University
 HSU = Humboldt State University

Table 2. List of CTD stations during Code 2, Leg 9, showing date and time, location, wind speed and direction, atmospheric pressure, and wet and dry bulb air temperature.

Date	Time (GMT)	Station No. Name	Location		Dir (°T)	Spd kts	Atm Pressure (mb)	Air Temp (C°)	
			Lat. (°N)	Long. (°W)				Dry	Wet
July 15	0427	1 COC-9	38 24.0	123 49.2	330	32	1010.0	13.8	13.0
	0613	2 COC-8	38 27.1	123 44.5	335	33	1009.5	13.3	12.4
	1602	3 AR-1	38 56.9	123 46.1	345	22	1010.5	12.5	10.8
	1650	4 AR-2	38 55.8	123 49.3	345	24	1011.5	12.5	11.1
	1729	5 AR-3	38 54.9	123 52.6	340	24	1011.5	12.2	10.8
	1821	6 AR-4	38 53.9	123 55.8	335	28	1011.7	12.3	10.9
	1904	7 AR-5	38 52.9	123 59.1	330	28	1012.3	12.8	11.4
	2026	8 AR-6	38 51.9	124 02.3	330	30	1012.1	13.3	11.4
	2209	9 AR-7	38 50.2	124 08.1	330	28	1012.6	13.5	11.7
July 16	1015	10 COC-2	38 38.9	123 26.7	320	24	1009.0	10.9	9.9
	1607	11 COC-4	38 36.2	123 30.8	320	22	1010.1	11.2	10.1
	1641	12 COC-3	38 37.5	123 28.9	315	20	1010.5	11.2	10.1
	1714	13 COC-2	38 38.8	123 26.9	310	18	1010.8	11.2	10.1
	1742	14 COC-1	38 39.8	123 25.5	315	18	1010.6	11.3	10.1
	1851	15 COC-5	38 34.5	123 33.4	320	22	1011.2	11.4	10.5
	1932	16 COC-6	38 32.6	123 36.2	320	20	1011.3	11.9	10.9
	2017	17 COC-7	38 30.3	123 39.6	320	20	1011.9	12.3	11.4
	2134	18 COC-8	38 27.1	123 44.5	320	20	1012.1	12.5	11.7
	2301	19 COC-9	38 24.0	123 49.1	320	16	1012.9	12.9	12.0
July 17	0212	20 NOR-10	38 27.0	124 14.9	320	18	1012.9	14.2	13.0
	0328	21 NOR-9	38 31.3	124 07.9	320	18	1012.5	13.4	12.2
	0436	22 NOR-8	38 34.5	124 03.0	338	20	1012.2	13.3	12.1
	0553	23 NOR-7	38 37.8	123 58.1	330	20	1011.8	12.3	11.3
	0652	24 NOR-6	38 41.1	123 53.2	320	17	1011.7	12.2	10.5
	0746	25 NOR-5	38 42.7	123 50.5	320	17	1011.5	12.0	11.3
	0844	26 NOR-4	38 44.7	123 47.9	320	14	1011.1	11.6	10.9
	1312	27 NOR-4	38 44.6	123 48.0	AIRS	-	1012.2	10.8	10.0
	1357	28 NOR-3	38 46.6	123 45.0	AIRS	-	1012.9	12.0	11.0
	1438	29 NOR-2	38 48.1	123 42.7	-	0	1012.9	12.1	11.0
	1519	30 NOR-1	38 50.0	123 40.0	-	0	1012.9	11.0	10.2
	1631	31 AR-1	38 56.9	123 46.1	140	6	1013.0	11.1	10.2
	1707	32 AR-2	38 55.8	123 49.3	150	6	1013.2	11.6	10.8
	1744	33 AR-3	38 54.9	123 52.6	170	5	1013.3	11.6	10.6
	1824	34 AR-4	38 53.9	123 55.8	160	6	1013.5	12.2	11.3
	1907	35 AR-5	38 53.0	123 59.0	180	8	1013.5	13.5	12.0
	2001	36 AR-6	38 52.0	124 02.3	180	8	1013.7	13.5	12.0
	2120	37 AR-7	38 50.2	124 08.2	180	9	1013.5	13.1	11.9
2249	38 AR-8	38 48.3	124 14.0	180	10	1013.2	13.4	12.2	
July 18	0134	39 IR-8	39 03.0	124 17.0	AIRS	-	1012.9	12.5	11.4
	0302	40 IR-7	39 03.0	124 10.0	AIRS	-	1013.0	12.6	11.4
	0426	41 IR-6	39 03.0	124 04.0	-	0	1013.3	12.3	11.8
	0503	42 IR-5	39 03.0	124 00.0	-	0	1013.9	11.7	11.5
	0632	43 IR-4	39 03.0	123 56.5	-	0	1014.0	12.0	11.7
	0730	44 IR-3	39 03.0	123 53.0	210	2	1014.0	12.4	11.7
	0812	45 IR-2	39 03.0	123 48.4	AIRS	-	1014.0	12.8	11.7
	0850	46 IR-1	39 03.0	123 44.4	AIRS	-	1014.0	12.4	11.3
	2244	47 WF-1	38 44.0	124 03.3	AIRS	-	1016.0	13.9	12.5

Table 2. Continued

Date	Time (GMT)	Station No. Name	Location		Dir (°T)	Spd kts	Atm Pressure (mb)	Air Temp (C°)	
			Lat. (°N)	Long. (°W)				Dry	Wet
July 19	1841	48 COC-1	38 39.9	123 25.4	AIRS	-	1016.9	13.0	11.3
	1912	49 COC-2	38 38.8	123 27.0	-	0	1016.8	13.5	11.6
	1943	50 COC-3	38 37.4	123 29.0	-	0	1016.7	13.8	12.0
	2014	51 COC-4	38 36.2	123 30.8	-	0	1016.6	14.2	12.4
	2046	52 COC-5	38 34.6	123 33.4	-	0	1016.3	14.5	12.8
	2129	53 COC-6	38 32.7	123 36.2	-	0	1016.2	14.8	12.9
	2218	54 COC-7	38 30.3	123 39.5	-	0	1016.1	15.2	13.0
	2320	55 COC-8	38 27.0	123 44.5	-	0	1016.2	13.4	12.1
July 20	0054	56 COC-9	38 24.0	123 49.3	-	0	1016.0	13.2	12.4
	0217	57 COC-10	38 20.8	123 54.5	-	0	1015.2	13.7	12.4
	0331	58 COC-11	38 17.6	123 59.3	320	5	1015.0	13.7	12.3
	0545	59 ROS-10	38 06.8	123 45.5	280	6	1015.2	13.1	12.0
	0706	60 ROS-9	38 10.0	123 40.7	280	7	1015.0	13.1	12.0
	0825	61 ROS-8	38 13.3	123 35.7	290	8	1015.2	12.0	11.2
	0946	62 ROS-7	38 16.4	123 30.8	AIRS	-	1015.1	11.3	10.8
	1045	63 ROS-6	38 19.8	123 25.9	-	0	1015.2	11.7	11.1
	1128	64 ROS-5	38 21.3	123 23.3	-	0	1015.6	11.1	10.6
	1205	65 ROS-4	38 23.1	123 20.7	AIRS	-	1015.9	10.7	10.6
	1247	66 ROS-3	38 24.8	123 18.0	AIRS	-	1016.0	11.4	10.6
	1324	67 ROS-2	38 26.7	123 15.4	010	8	1016.0	11.5	10.7
	1359	68 ROS-1	38 28.3	123 12.8	AIRS	-	1016.1	10.2	10.0
	1631	69 CN-1	38 44.0	123 33.0	-	0	1016.5	11.2	10.8
	1706	70 CN-2	38 42.2	123 35.8	-	0	1017.0	11.3	11.0
	1746	71 CN-3	38 40.2	123 38.8	-	0	1017.1	12.2	11.4
	1830	72 CN-4	38 38.2	123 41.8	-	0	1017.3	-	-
	1918	73 CN-5	38 36.2	123 44.5	-	0	1017.4	12.8	12.0
2034	74 CN-6	38 34.0	123 47.9	-	0	1017.1	13.1	12.3	
2152	75 CN-7	38 31.1	123 52.1	-	0	1016.9	13.7	12.8	
2334	76 CN-8	38 27.7	123 57.0	000	7	1016.2	14.4	13.2	
July 21	0142	77 NOR-9	38 31.3	124 07.9	350	10	1015.9	13.7	13.0
	0318	78 NOR-8	38 34.5	124 03.0	330	14	1015.5	12.8	12.5
	0447	79 NOR-7	38 37.8	123 58.1	330	15	1016.0	12.6	12.4
	0603	80 NOR-6	38 41.1	123 53.3	330	17	1016.0	12.2	12.2
	0710	81 NOR-5	38 42.9	123 50.6	330	17	1016.0	12.0	12.0
	0758	82 NOR-4	38 44.7	123 47.9	330	13	1016.0	12.0	11.9
	0901	83 NOR-3	38 46.6	123 45.0	330	14	1016.0	11.8	11.6
	0951	84 NOR-2	38 48.1	123 42.7	330	12	1015.8	11.7	11.6
	1027	85 NOR-1	38 50.1	123 40.0	330	6	1015.5	11.4	11.4
	1136	86 AR-1	38 56.9	123 46.1	-	0	1016.2	11.5	11.4
	1217	87 AR-2	38 55.8	123 49.4	000	10	1016.2	10.9	11.0
	1305	88 AR-3	38 54.9	123 52.6	000	8	1016.2	11.3	11.3
	1340	89 AR-4	38 53.9	123 55.8	000	15	1017.0	12.3	12.0
	1421	90 AR-5	38 53.0	123 59.1	340	18	1017.0	12.4	12.2
	1519	91 AR-6	38 52.0	124 02.3	345	22	1016.5	12.7	12.3
	1648	92 AR-7	38 50.2	124 08.1	330	20	1017.5	14.5	13.6
1805	93 AR-8	38 48.3	124 14.1	330	21	1017.8	15.1	13.9	
2039	94 IR-8	39 03.0	124 17.0	340	25	1017.1	15.4	13.6	
2211	95 IR-7	39 03.0	124 10.0	330	24	1017.1	15.0	13.5	
2340	96 IR-6	39 02.9	124 04.0	340	22	1017.0	14.9	13.2	

Table 2. Continued

Date	Time (GMT)	Station No. Name	Location		Dir (°T)	Spd kts	Pressure (mb)	Air Temp (C°)	
			Lat. (°N)	Long. (°W)				Dry	Wet
July 22	0118	97 IR-5	39 03.0	124 00.0	340	18	1017.0	14.7	13.2
	0211	98 IR-4	39 03.0	123 56.4	340	18	1016.5	13.8	12.5
	0253	99 IR-3	39 03.0	123 53.0	330	18	1016.0	13.0	12.0
	0337	100 IR-2	39 03.0	123 48.5	330	10	1016.0	12.7	11.9
	0419	101 IR-1	39 03.0	123 44.5	320	8	1015.9	13.9	12.5
	0515	102 FIF-1	39 07.7	123 47.8	340	8	1016.0	12.5	11.8
	0614	103 FIF-2	39 02.3	123 48.9	340	12	1015.2	12.5	11.8
	0714	104 FIF-3	38 56.3	123 47.0	340	16	1015.5	12.6	11.8
	0806	105 FIF-4	38 51.3	123 47.3	340	16	1015.5	12.0	11.4
	0923	106 FIF-5	38 48.7	123 41.7	330	20	1014.5	12.1	11.4
	1015	107 FIF-6	38 44.8	123 37.7	320	20	1014.4	11.8	11.2
	1109	108 FIF-7	38 41.2	123 33.3	355	16	1015.0	11.0	10.8
	1208	109 FIF-8	38 37.5	123 28.9	-	0	1015.0	10.9	10.8
	1303	110 FIF-9	38 33.6	123 24.4	-	0	1015.0	10.2	10.1
	1355	111 FIF-10	38 29.8	123 20.3	-	0	1016.0	11.6	11.3
	1445	112 FIF-11	38 25.6	123 16.7	-	0	1015.1	12.9	12.0
	1529	113 FIF-12	38 12.9	123 14.0	-	0	1015.5	12.8	11.9
July 24	2009	114 COC-1	38 40.0	123 25.4	-	0	1015.8	13.8	12.4
	1027	115 SW-1	38 40.1	126 37.9	350	24	1016.3	14.6	13.0
	1254	116 SW-2	38 25.0	126 27.2	345	20	1016.8	14.5	13.0
	1548	117 SW-3	38 05.0	126 12.0	345	20	1016.5	14.5	13.2
	1829	118 SW-4	38 24.0	126 08.0	345	20	1016.0	14.5	13.3
	2203	119 SW-5	38 50.1	126 02.0	350	22	1015.9	15.0	13.5
July 25	2334	120 SW-6	38 41.6	125 57.6	345	22	1016.0	14.8	13.4
	0321	121 SW-7	38 16.0	125 30.5	345	20	1015.5	14.5	13.3
	0556	122 SW-8	38 32.0	125 18.0	340	21	1015.0	14.0	12.6
	0713	123 SW8-A	38 36.0	125 16.4	340	24	1015.8	14.4	13.2
	0909	124 SW-9	38 43.0	125 08.0	330	22	1015.3	14.2	13.0
	1026	125 SW9-A	38 49.5	125 04.0	340	19	-	13.8	12.6
	1145	126 SW10	38 55.0	125 00.0	330	25	1015.3	13.8	12.6
	1347	127 SW11	38 43.0	124 50.1	340	20	1016.2	14.1	13.0
	1537	128 SW12	38 32.0	124 43.0	330	22	1016.7	14.0	13.2
	1728	129 SW13	38 22.0	124 36.0	330	17	1017.5	14.2	13.7
	1931	130 SW14	38 12.0	124 29.0	330	14	1018.1	14.0	12.8
July 26	2142	131 SW15	38 28.0	124 25.0	330	16	1017.6	14.4	12.8
	0017	132 AR-9	38 46.5	124 20.0	330	15	1017.2	14.3	12.9
	0244	133 IR-8	39 03.0	124 17.0	330	16	1016.5	13.5	12.1
	0441	134 AR-7	38 50.2	124 08.1	345	18	1017.3	12.8	11.2
	0646	135 NOR-8	38 34.5	124 03.0	330	16	1017.1	12.6	11.4
	0845	136 COC-10	38 20.7	123 54.4	330	20	1017.0	12.5	11.3
	1016	137 COC-9	38 24.0	123 48.2	330	20	1016.1	12.4	11.4
	1139	138 COC-8	38 27.1	123 44.5	330	20	1016.6	12.5	11.3
	1253	139 COC-7	38 30.3	123 39.6	330	16	1016.8	12.4	11.5
	1342	140 COC-6	38 32.7	123 36.2	330	18	1016.7	11.1	10.9
	1491	141 COC-5	38 34.7	123 33.2	330	16	1017.2	10.9	10.7
	1453	142 COC-4	38 36.2	123 30.8	330	12	1014.0	10.6	10.6
	1527	143 COC-3	38 37.5	123 28.9	320	6	1017.0	10.9	10.7
	1557	144 COC-2	38 38.8	123 26.9	320	6	1017.1	11.1	10.9
July 27	1629	145 COC-1	38 39.8	123 25.5	-	0	1017.2	12.1	11.5
	2349	146 C4	38 33.2	123 31.1	310	22	1016.5	11.8	10.4
	0053	147 C4	38 33.5	123 31.7	320	22	1016.0	11.7	11.2

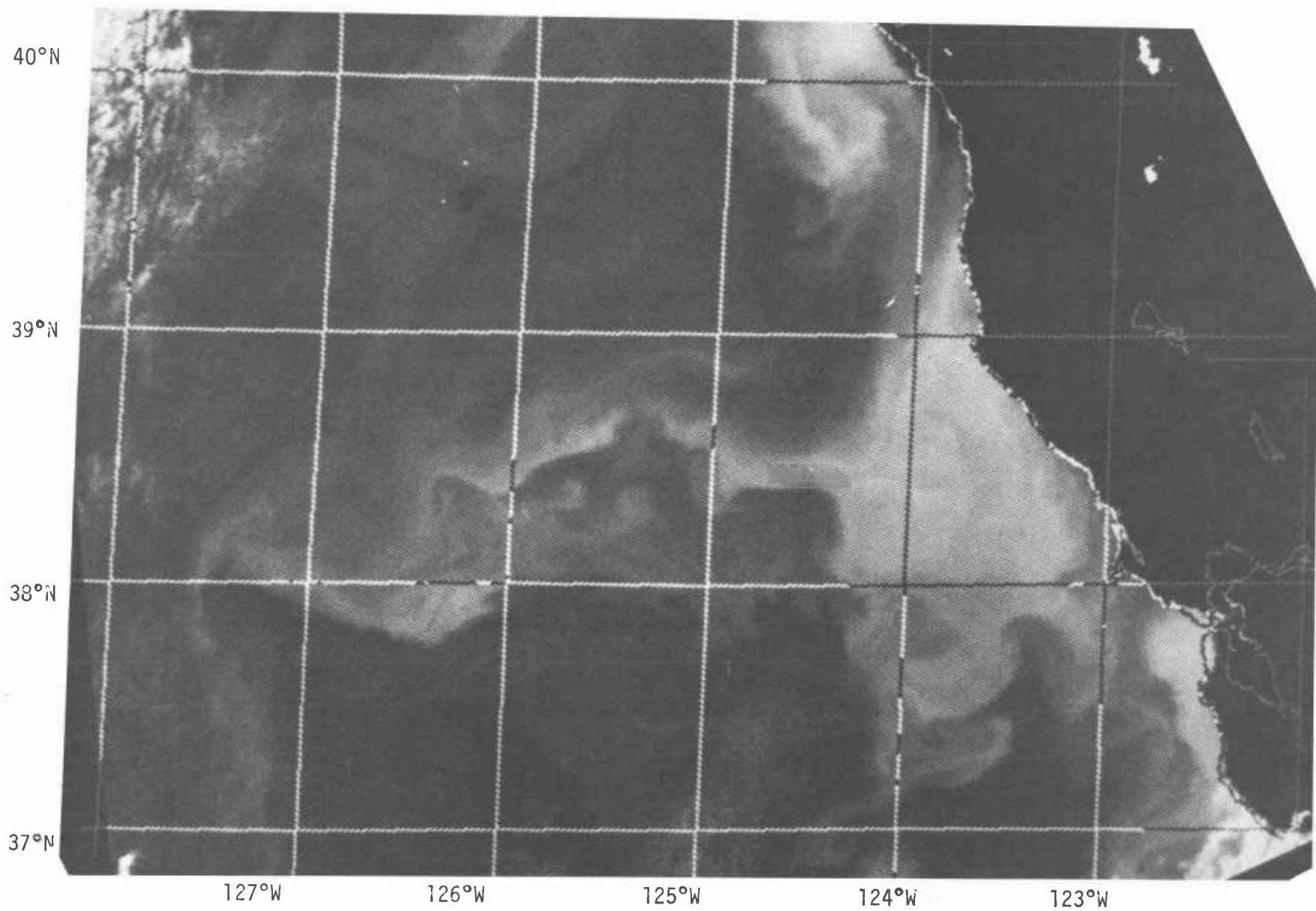


Figure 3. Satellite infrared image for 22 July 1982, showing cold surface waters in the CODE region, and a cold filament extending offshore at about 38°30'N. (Image provided by R.E. Davis, Scripps Institution of Oceanography.)

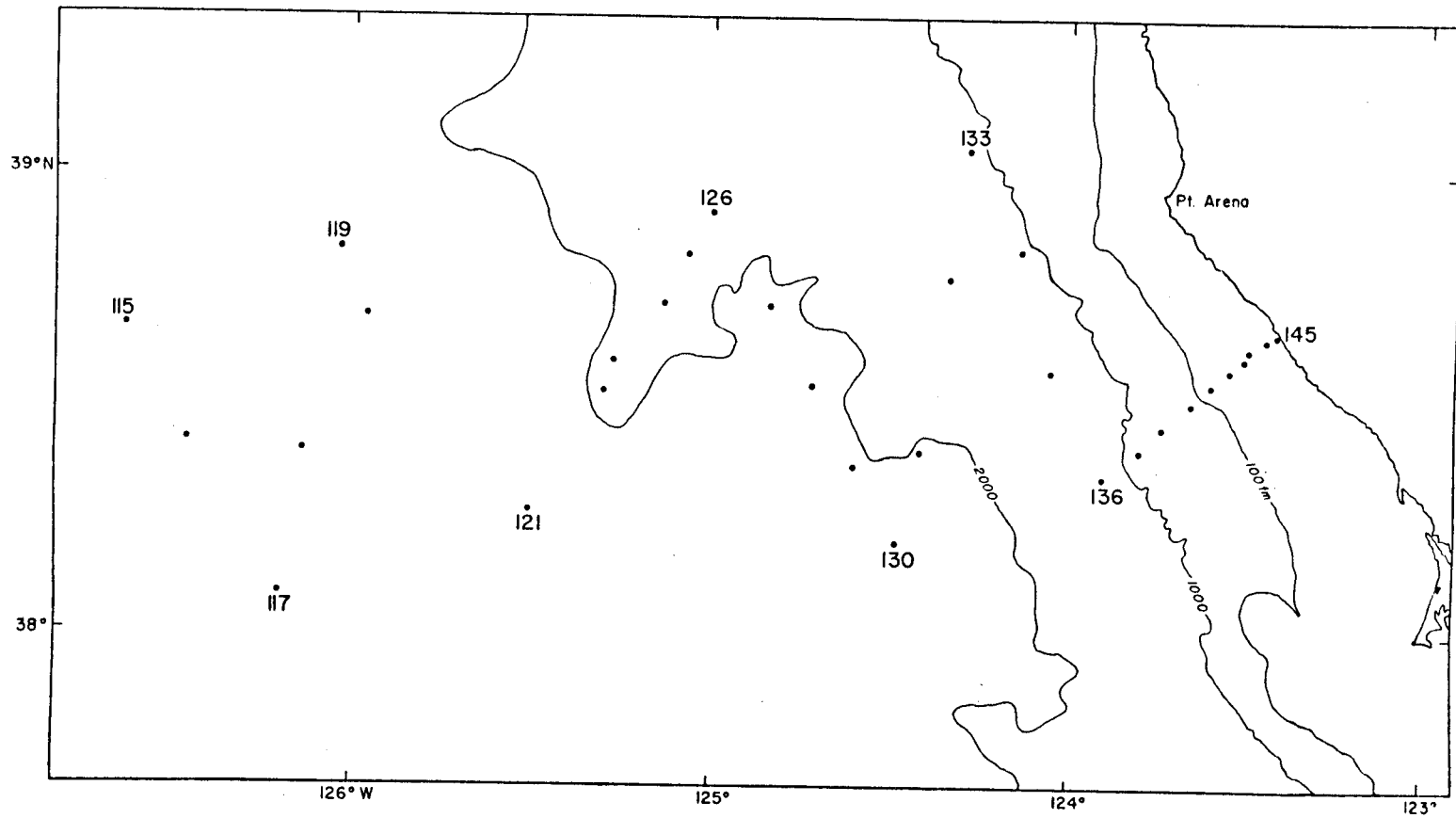


Figure 4. Location of CTD stations in the offshore survey, 24-26 July 1982.

a suitable small eddy at about $38^{\circ}20'N$, $126^{\circ}25'W$, on the southern boundary of a narrow filament of relatively cold water extending seaward from the coastal zone (Figure 3). By the time we arrived there the sky was overcast, but the Scripps underway sampling system showed the presence of a sharp salinity front in this vicinity, and tow-yo CTD observations were made across the front early on 24 July. After these were completed we headed back towards shore. Because of strong winds we were forced to dog-leg, and we took advantage of this pattern to make conventional CTD stations on either side of the cold filament. The resulting stations constitute a coarse survey of the offshore waters seaward of the CODE region (Figure 4).

Winds during the CTD surveys were variable in strength but predominantly from the northwest (Figures 5, 6; Table 2). Unfortunately, winds were not steady during either of the mesoscale surveys (Figure 5) which were intended to be synoptic. Winds were fairly steady during the offshore survey (Figure 6); thus this survey is at least quasi-synoptic.

Offshore profiles of surface temperature, salinity, sigma-theta and dynamic height along the CODE Central Line are shown in Figure 7. The dynamic height at stations shallower than 500 db was computed by means of the extrapolation technique described by Reid and Mantyla (1976).

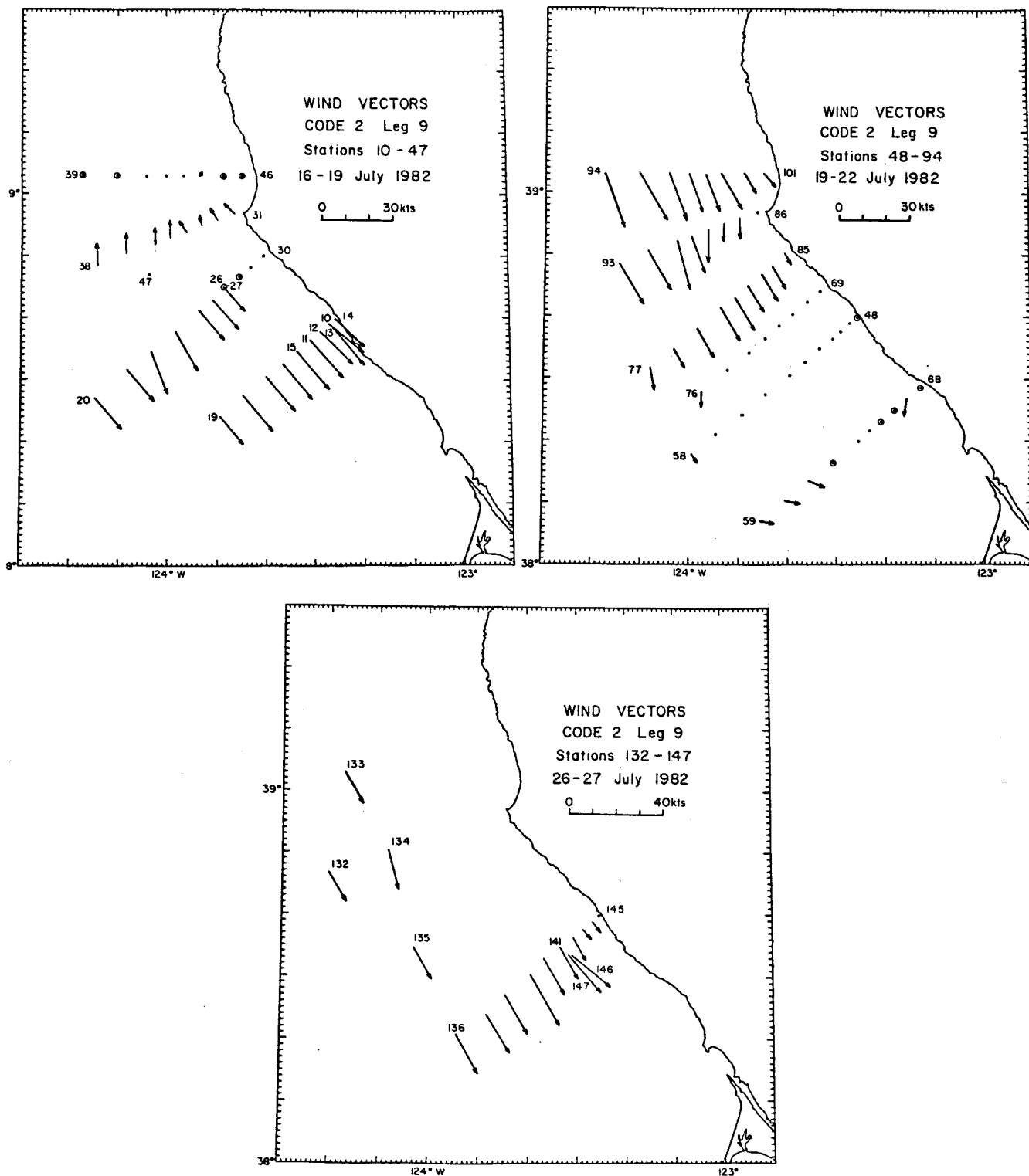


Figure 5. Wind vectors observed at CTD stations during mesoscale surveys in the CODE region, 16-27 July 1982. Dots indicate calm conditions; circles indicate "airs", i.e., weak winds with no definite direction.

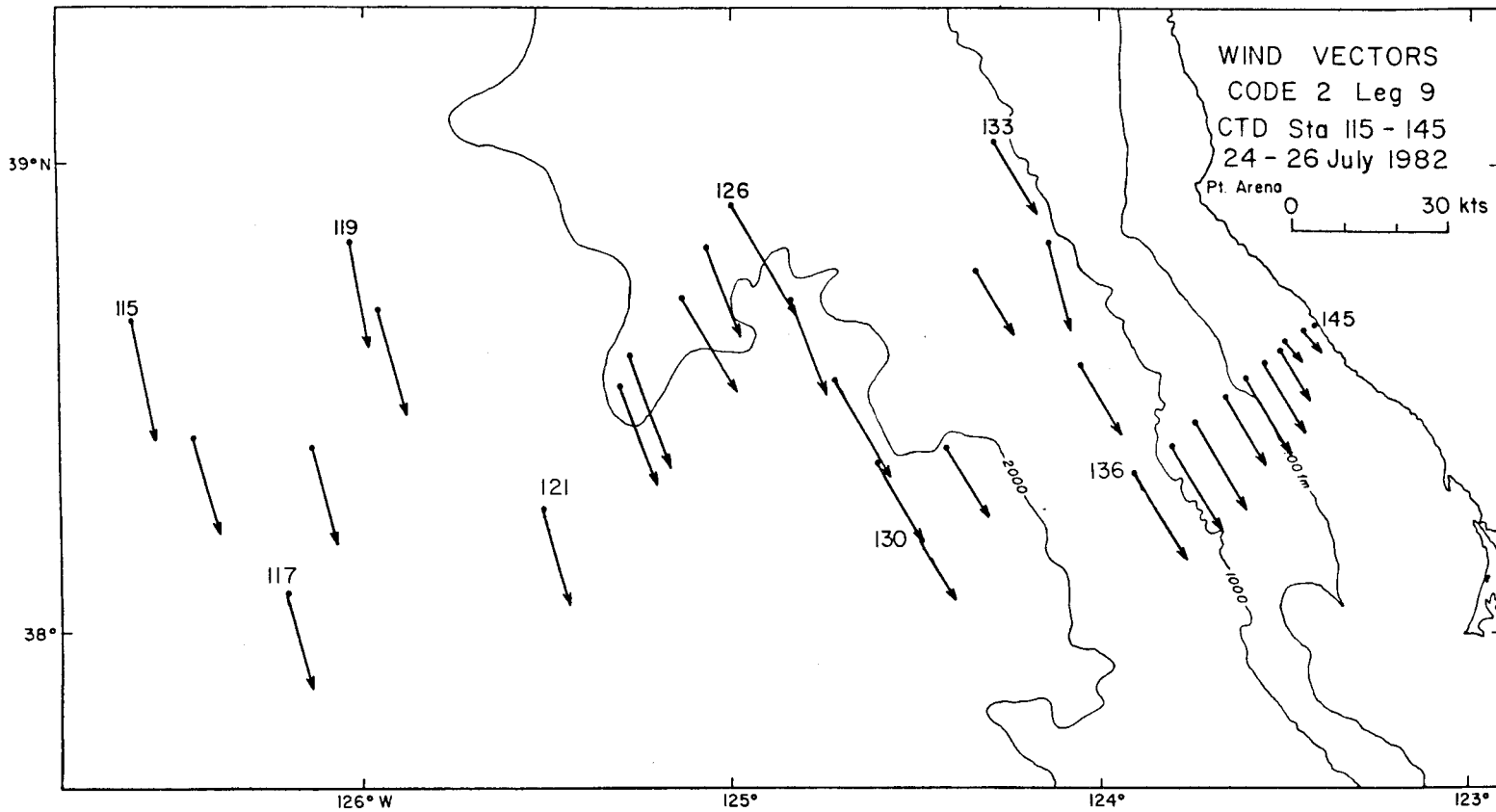


Figure 6. Wind vectors observed at CTD stations during the offshore survey, 24-26 July 1982.

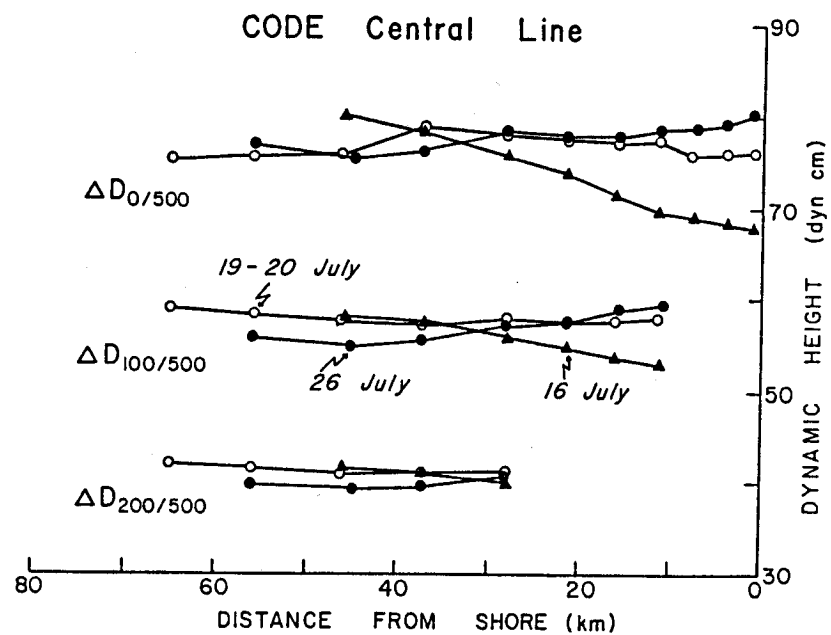
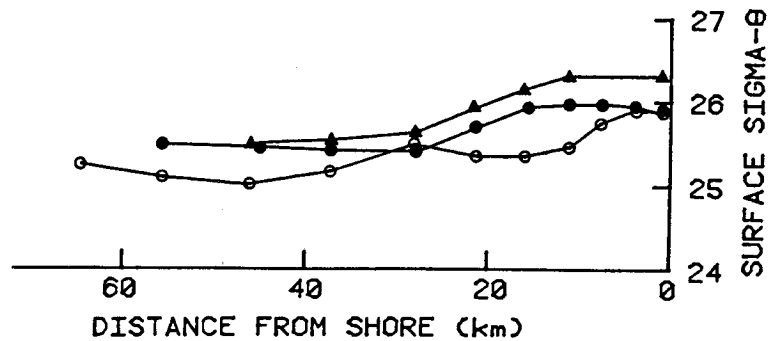
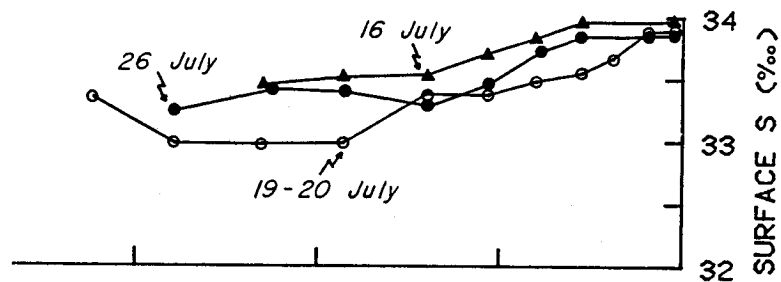
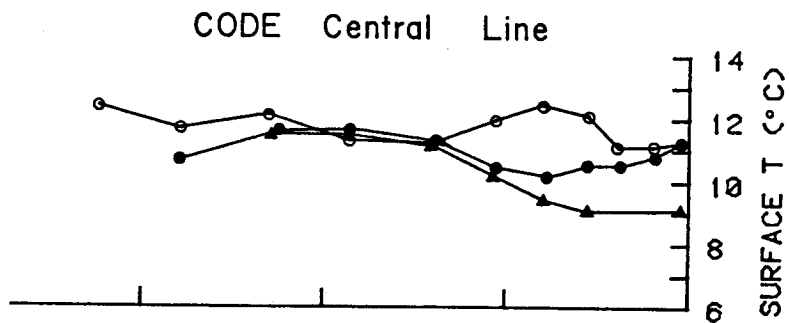


Figure 7. Offshore profiles of surface temperature, salinity, sigma- θ and dynamic height along the CODE Central Line.

SAMPLING PROCEDURES, CALIBRATION AND DATA PROCESSING

A Neil Brown Instruments Mark IIIb conductivity-temperature-depth probe (CTD) was used to obtain continuous profiles of temperature and salinity versus pressure at each station. Sampling procedures were identical with those described by Fleischbein et al. (1981), except that the probe with a 1600 db pressure sensor rating (probe #2567) was used for all stations.

The CTD probe was calibrated for pressure, temperature and conductivity by the manufacturer prior to delivery in the fall of 1980. *In situ* calibration data were also collected for the temperature and conductivity sensors. A Niskin bottle equipped with 3 protected reversing thermometers was mounted about 2 m above the CTD sensors to provide calibration samples. The thermometers have an accuracy of $\pm 0.02^{\circ}\text{C}$ and are corrected using the results of calibrations done once every 3 years. Water sample salinity is determined by Guildline Model 8400 "Autosal" salinometers with precision of better than $\pm 0.003\text{‰}$, using equations given by Bennett (1976).

CTD data are recorded at the actual sample depth after the bottle is tripped. Occasionally due to large wire angles, the CTD and sample bottles do not remain at the same depth (and temperature) during soak time. When this resulted in relatively large differences between the sample and CTD temperature readings, these points were eliminated from the overall CTD-sample comparisons.

Duplicate salinity samples were drawn from the Niskin bottle at each station. The two sets, #1 and 2, were analysed on OSU's Autosals #1 and 3 respectively. One run of 12 samples on Autosal #1 was eliminated from the calibration data; this run showed excessive drift apparently due to a rise in room temperature that the Autosal could not compensate for.

Results of the comparison between *in situ* sample data and the CTD output are summarized in Table 3. The sample conductivity was calculated using the CTD temperature and sample salinity. CTD conductivity was corrected for the pressure and temperature effects on the cell prior to the comparison. The temperature differences are within the sampling and instrument errors so no further corrections were applied to temperature prior to processing the data. The conductivity differences had a mean of +0.019 mmhos cm⁻² and standard deviations of .004 mmhos cm⁻², so a conductivity correction of +0.019 mmhos cm⁻² was applied to all stations prior to processing the data.

Table 3. Summary of the differences between the *in situ* calibration data and the Neil Brown CTD probe. CTD conductivity was corrected by adding +0.019 mmhos cm⁻² before processing.

	<u>No. of Samples</u>	<u>Mean Difference</u>	<u>Standard Deviation</u>
<u>Sample Set #1</u>			
Temperature (°C)	142	0.003	0.026
Conductivity (mmhos cm ⁻²)	134	0.019	0.004
Salinity (‰)	134	0.021	0.004
<u>Sample Set #2</u>			
Temperature (°C)	142	0.003	0.026
Conductivity (mmhos cm ⁻²)	146	0.019	0.004
Salinity (‰)	146	0.020	0.004

The procedures for data processing were described by Gilbert, Huyer and Schramm (1981). The coefficient (α) for the conductivity filter was 0.862. Stations that showed a sudden downward jump or shift in conductivity that was probably due to detritus in the cell were edited during processing and are presented in Table 4. These stations also have footnotes to the listings in the body of the data report.

Table 4. Stations edited during data processing.

<u>Station</u>	<u>Depth of Jump in Conductivity</u>	<u>Remedy</u>
8	411-414 db	Linear interpolation of processed salinity at 411-414 db.
25	402 m	Joined data from 1-382 db with data from recast resulting in 20 min. gap at 382-383 db.
90	560-574 db	Linear interpolation of processed salinity at 560-574 db.
91	565-731 db	Added 0.035 to processed salinity at 565-731 db.
92	495 m	Joined data from 1-440 db with data from recast resulting in 2 min. gap at 440-441 db.
105	90 m	Joined data from 1-87 db with data from recast resulting in 2 min. gap at 87-88 db.
132	370 m	Joined data from 1-369 db with data from recast resulting in 1 min. gap at 369-370 db.
133	430 m	Joined data from 1-365 db with data from recast resulting in 3 min. gap at 365-366 db.
137	290 m	Joined data from 1-251 db with data from recast resulting in 5 min. gap at 251-252 db.

DATA PRESENTATION

The hydrographic data are summarized in vertical sections and maps. For each section, we show the vertical distribution of temperature, salinity, and sigma-theta, contoured by hand. Tick marks at the top of each section indicate station positions at which a CTD cast was made, and an inverted "T" marks the maximum depth of each cast.

For each of the mesoscale surveys, we show maps of the surface temperature, salinity and sigma-theta and of dynamic height of the sea surface relative to both 100 and 500 db, and the dynamic height of the 100 and 200 db surfaces relative to 500 db. The extrapolation technique described by Reid and Mantyla (1976) was used to calculate the dynamic height at shallow stations.

For the offshore survey, we show maps of temperature, salinity, sigma-theta, and dynamic height relative to 500 db at six standard depths: 0, 30, 50, 100, 200 and 300 db. Dynamic heights of the sea surface relative to 30 db and 100 db are also included. All of the maps were contoured by hand. The Scripps underway data (provided by Libe Washburn, SIO) were used in preparing the map of the surface salinity distribution. All other maps (including surface temperature and sigma-theta) are based entirely on the conventional CTD data. The maps of dynamic height include only stations that extended to the nominal reference level.

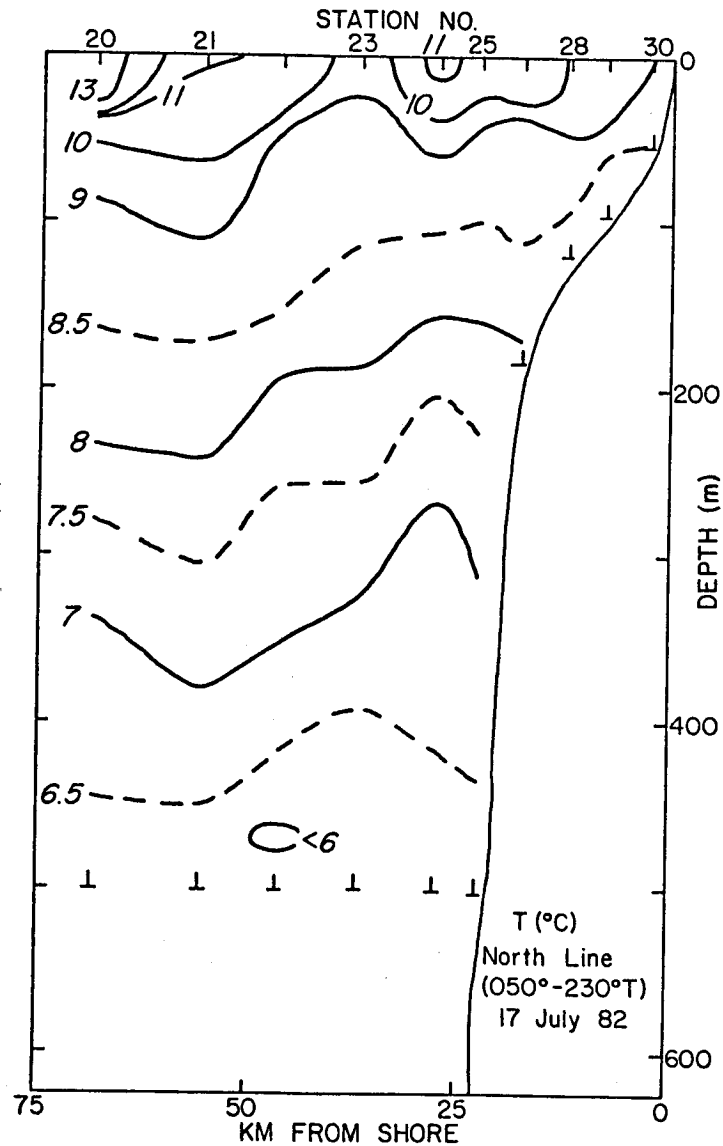
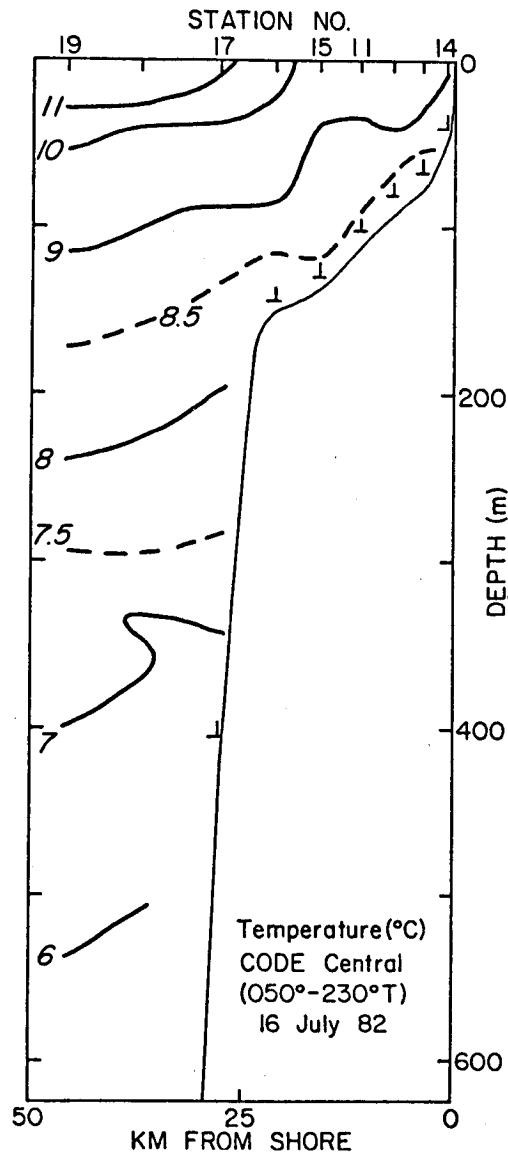
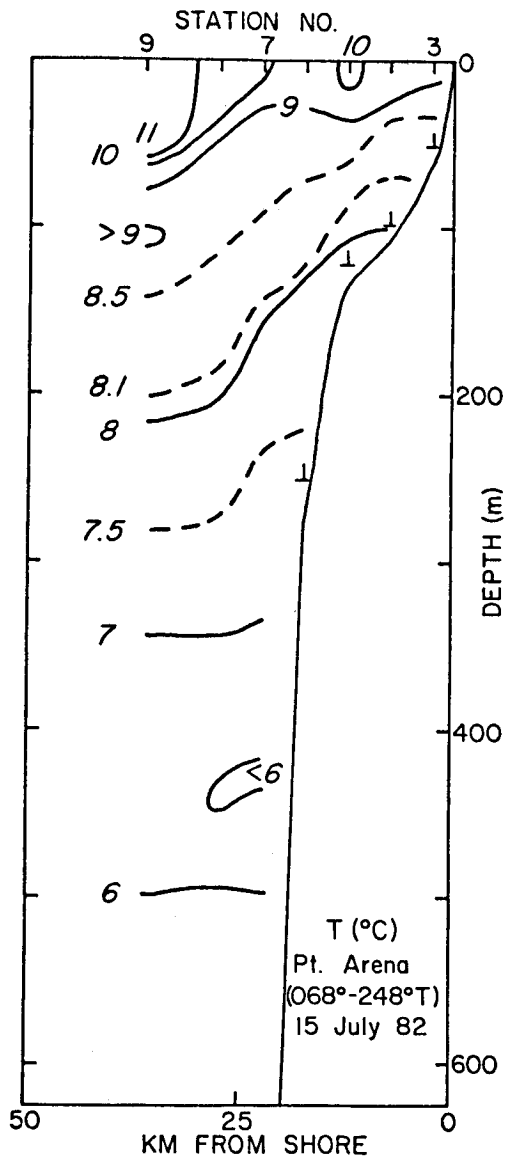
Vertical profiles of temperature, salinity and sigma-theta vs. pressure are shown for each station. Header information for each station is as follows:

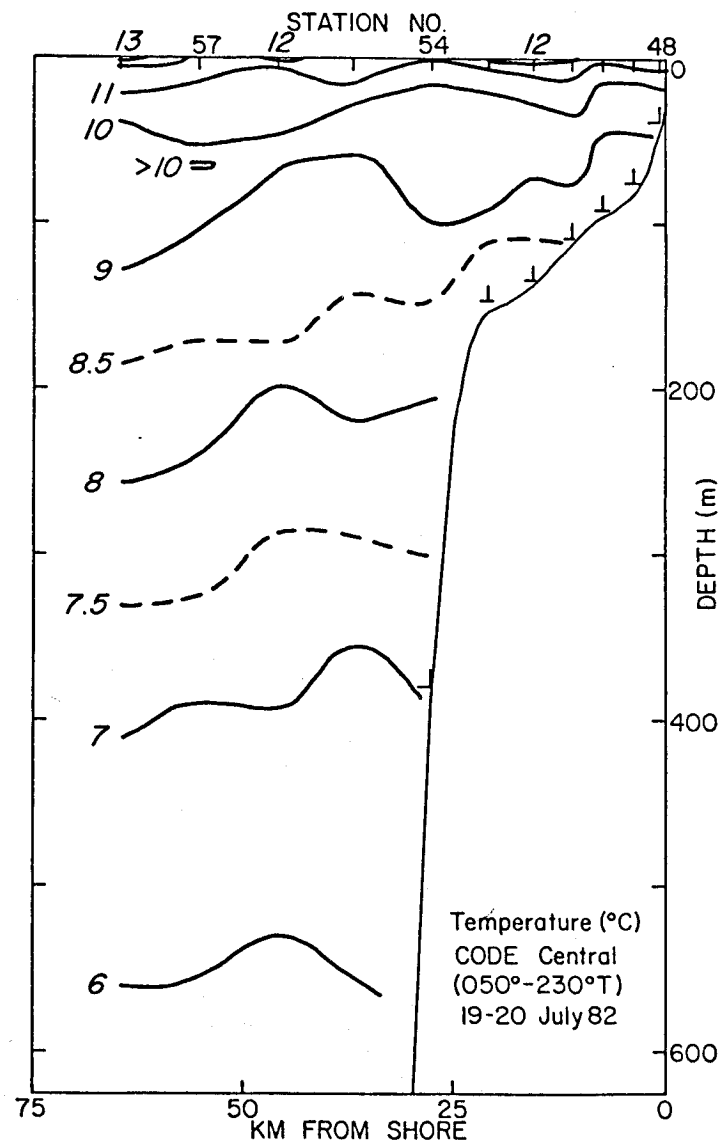
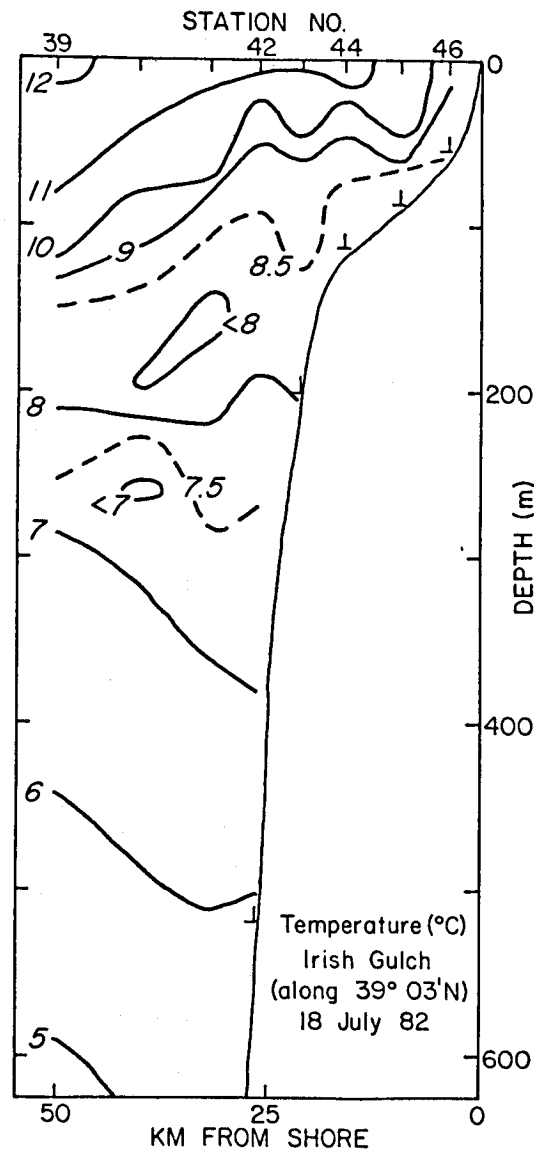
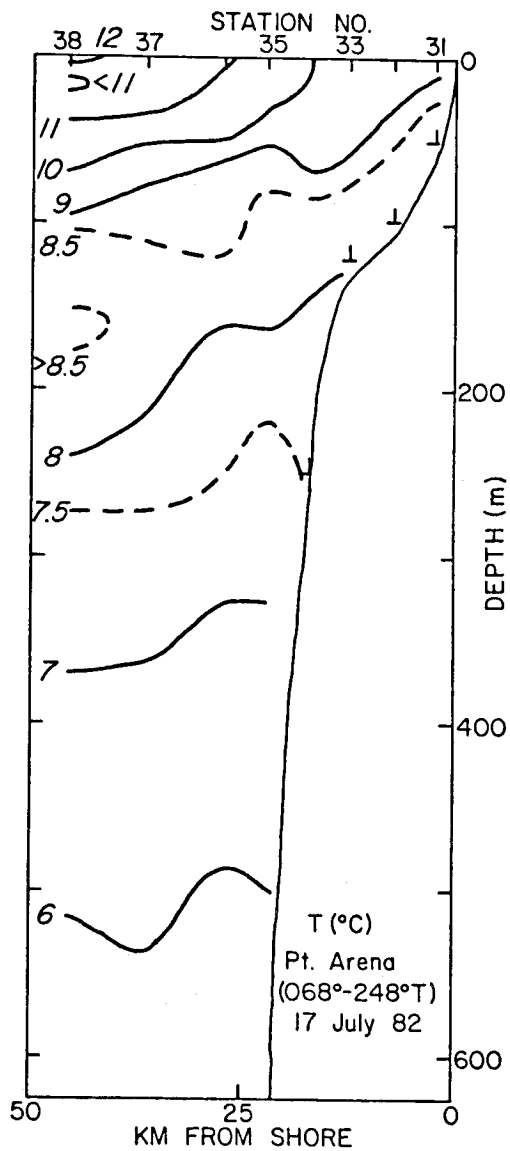
STA NO	Consecutive station number.
STATION	The CTD section name (initialed) and number of the station on the line (Refer to Figures 1 and 2).

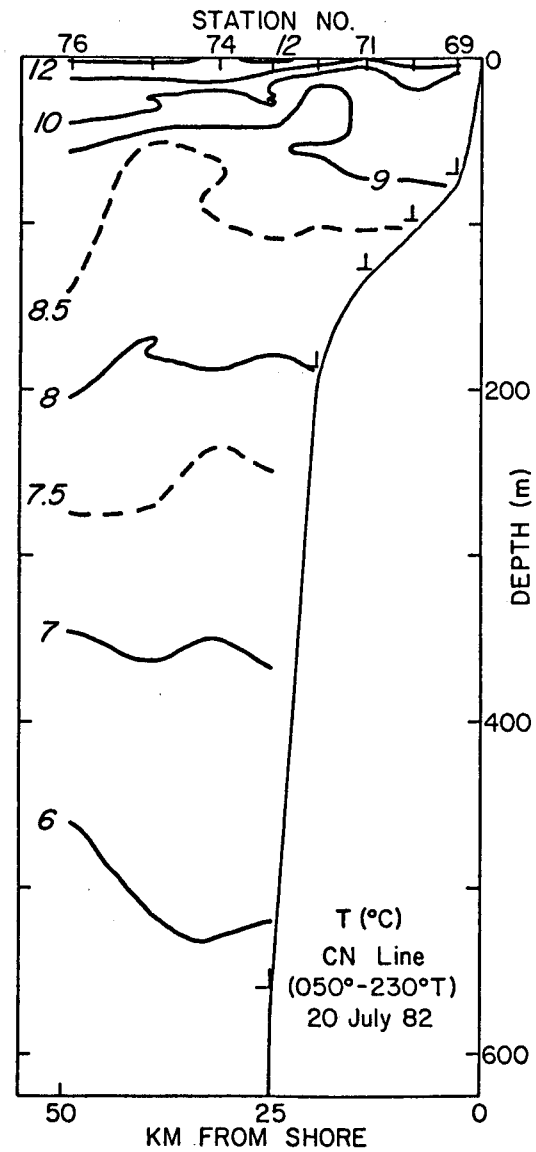
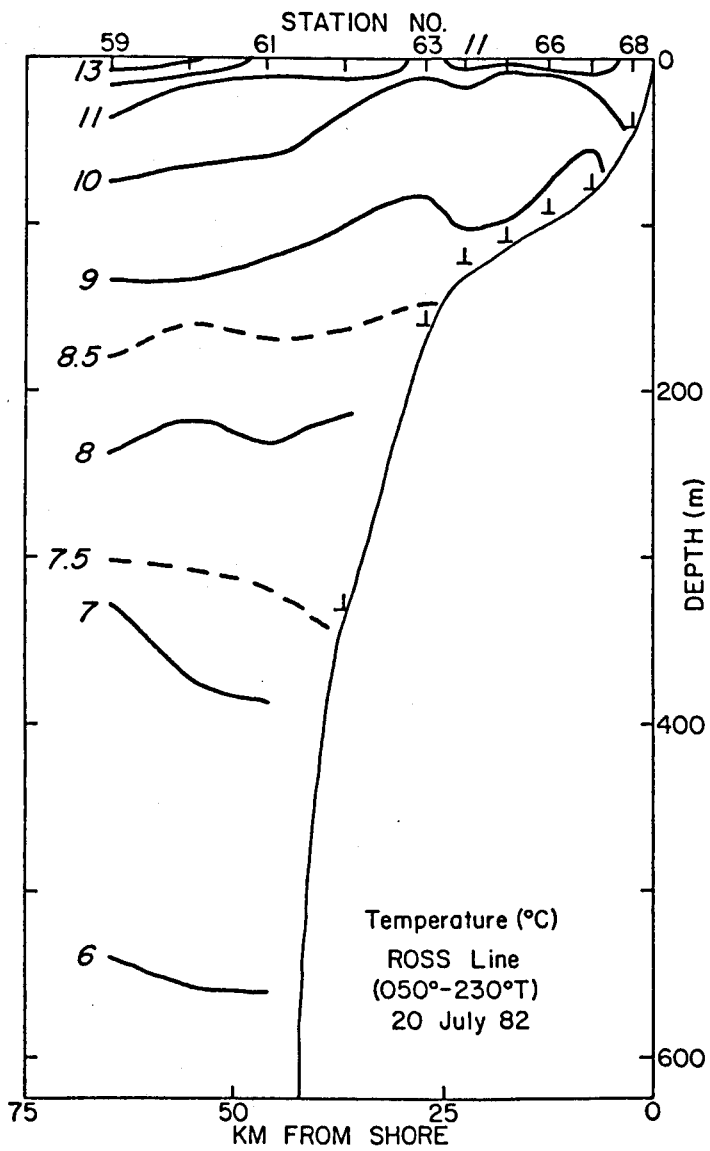
LAT Latitude in degrees and minutes north of the equator.
LONG Longitude in degrees and minutes west of Greenwich.
DATE Day/Month/Year.
TIME Time in Greenwich Mean Time.
PROBE CTD probe number.
DEPTH Sonic depth in meters, corrected according to Matthews Tables appearing in the Handbook of Oceanographic Tables, U.S. Naval Oceanographic Office Publication SP-68 (1966).

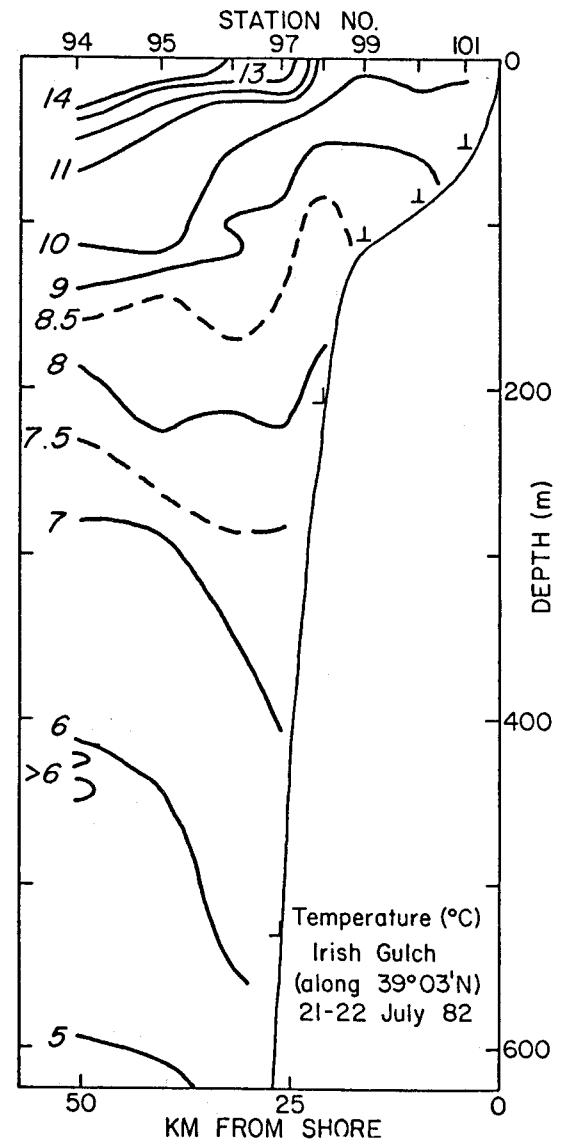
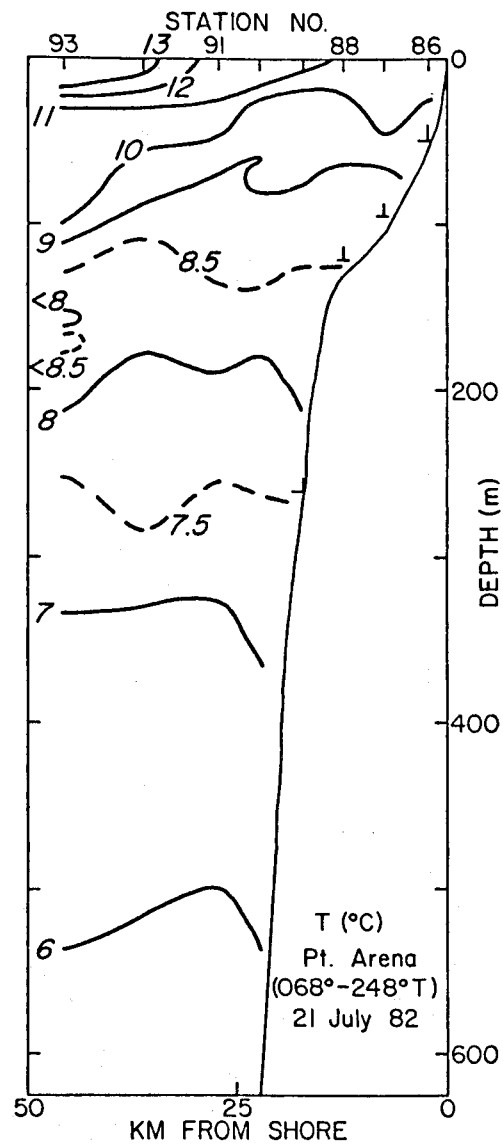
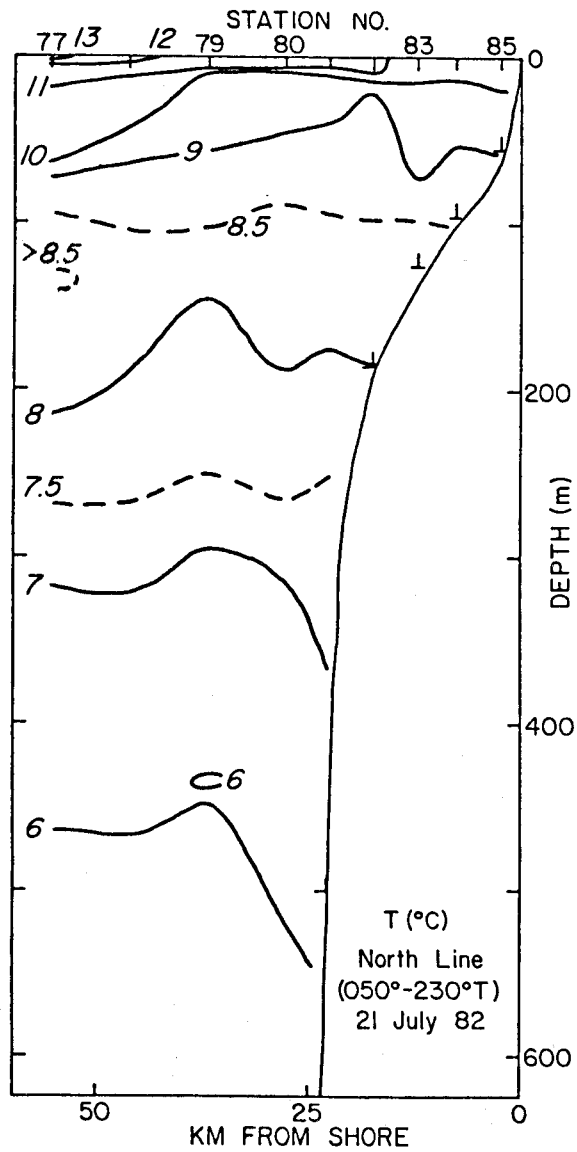
The data listing for each station gives values at standard pressures including observed and calculated parameters at the shallowest and deepest observation level. Temperature (TEMP), salinity (SAL), potential temperature (POTEN TEMP), sigma-theta (SIGMA THETA), specific volume anomaly $\times 10^5$ (SVA) and dynamic height (DELD) in dynamic meters are given for each pressure (PRESS) in decibars. Computed parameters are calculated from the complete processed data array.

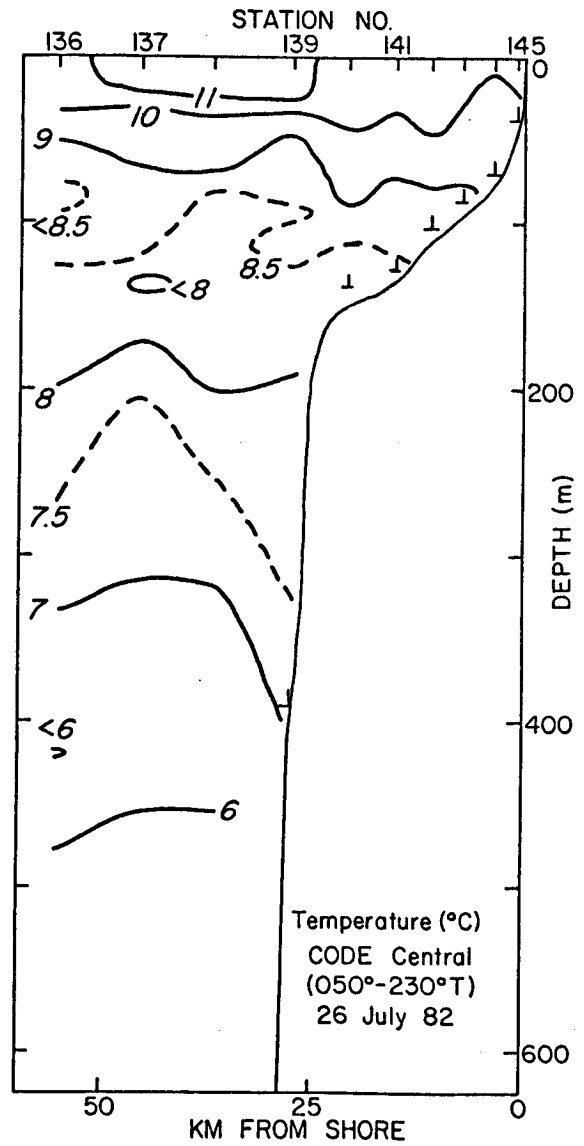
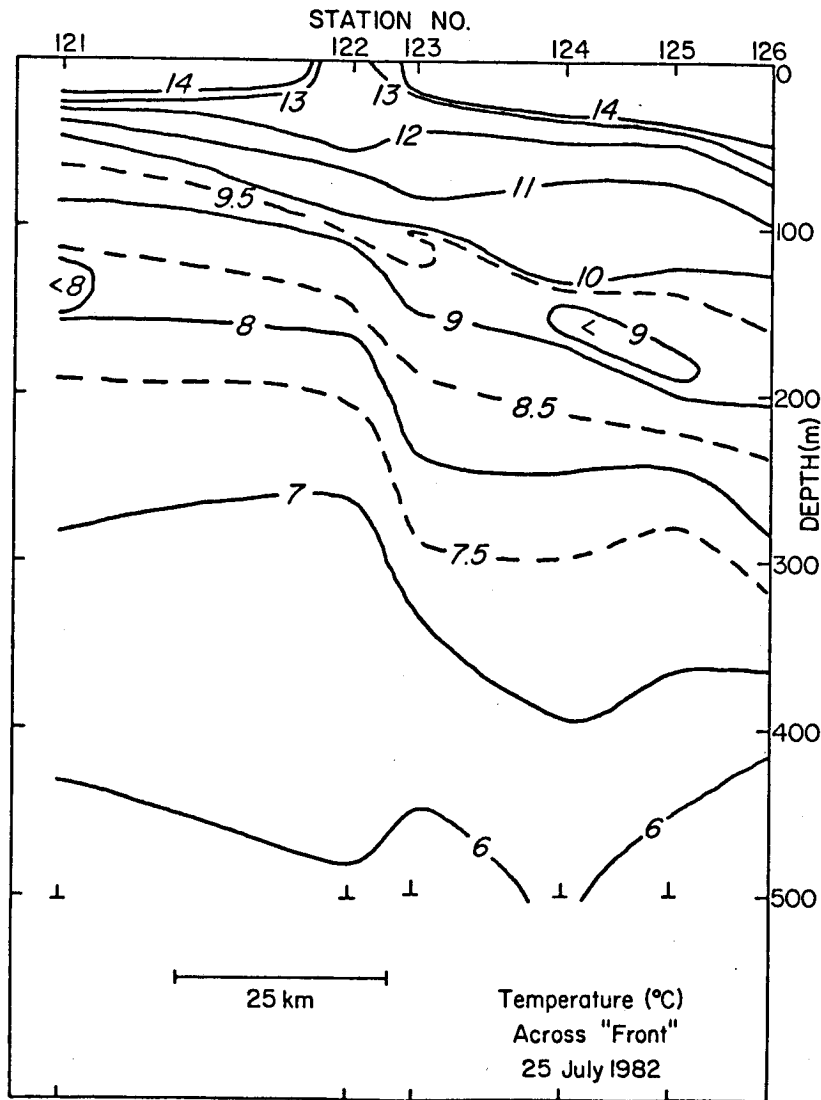
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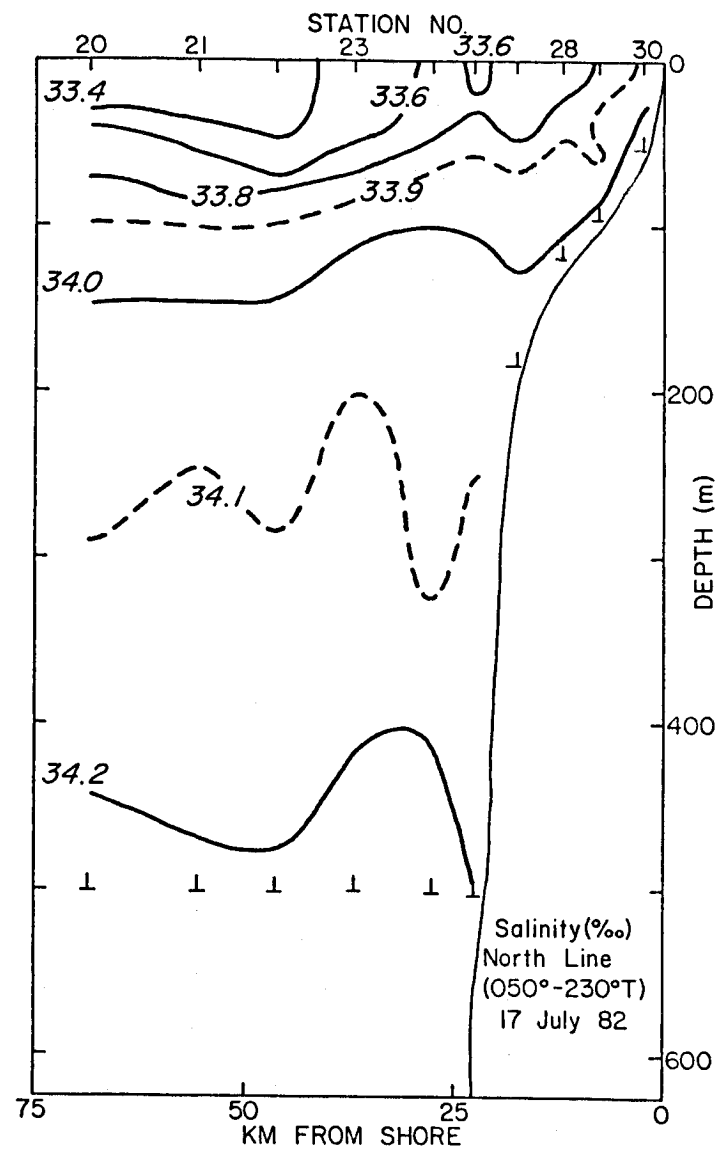
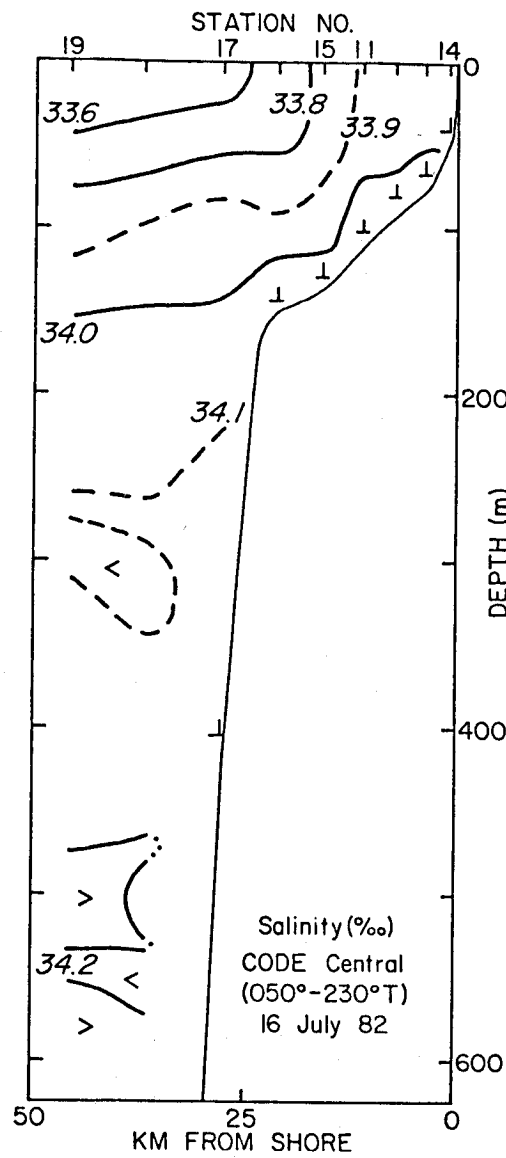
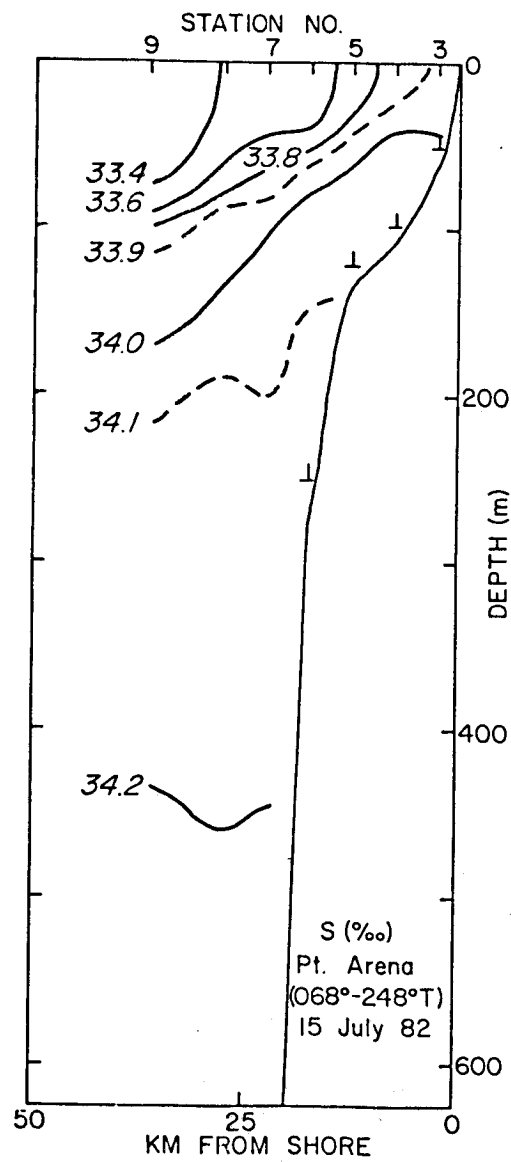


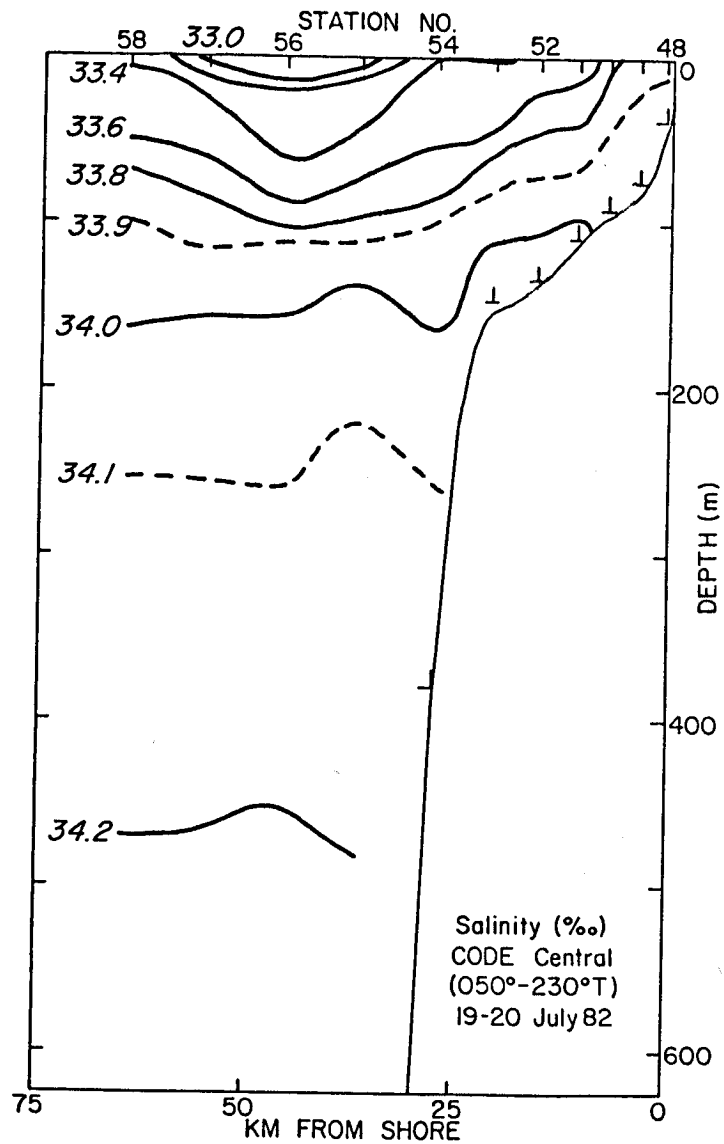
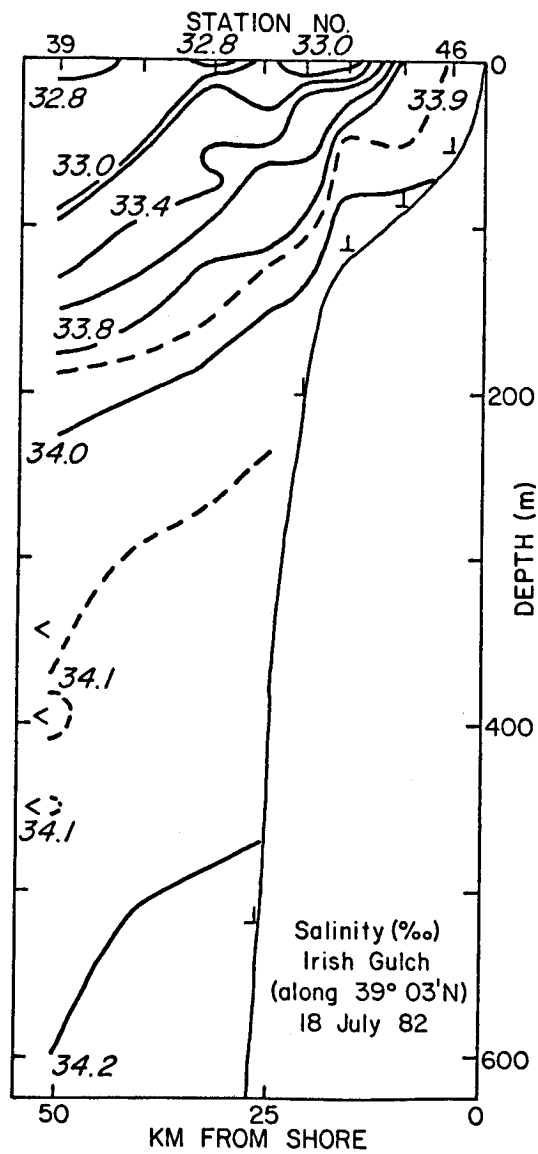
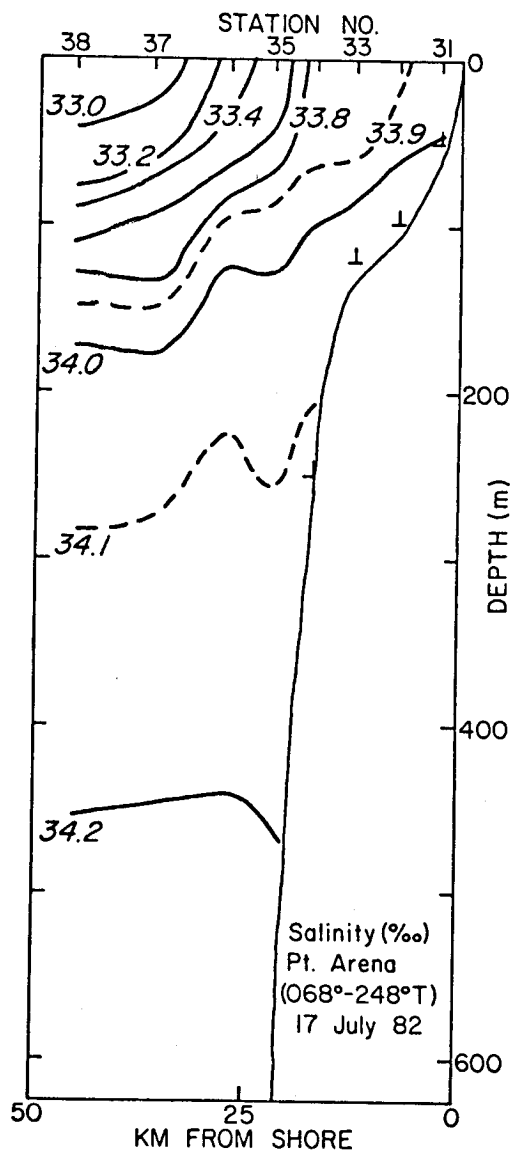


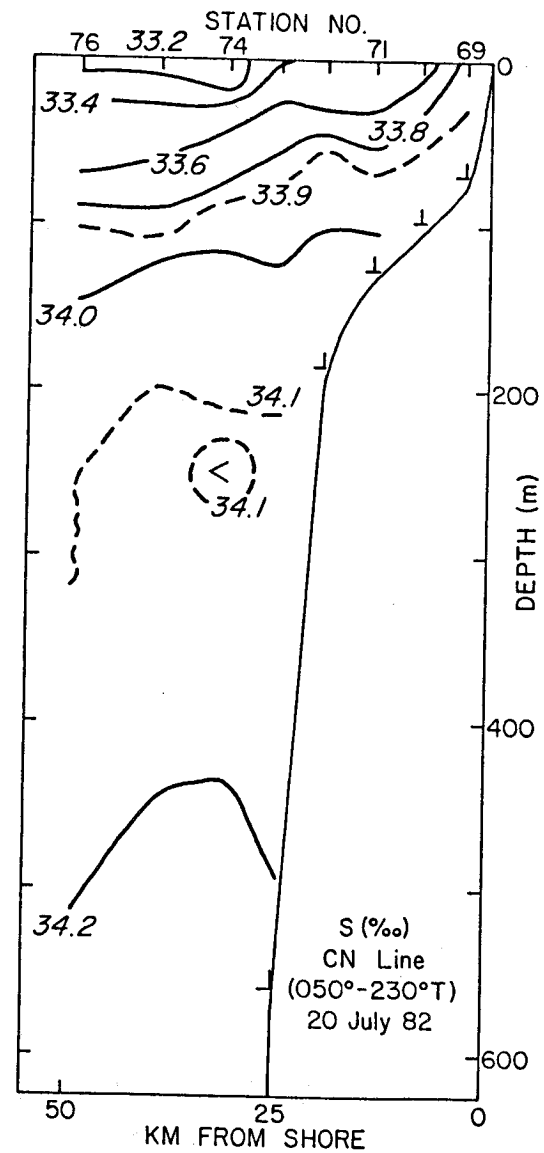
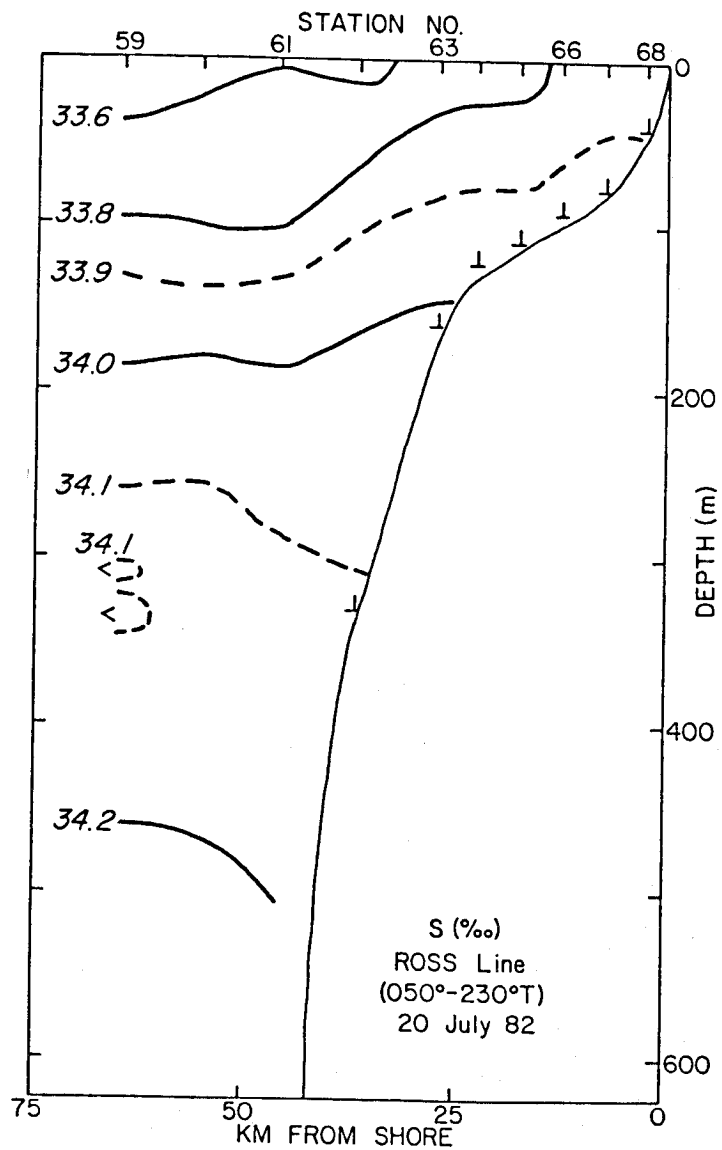


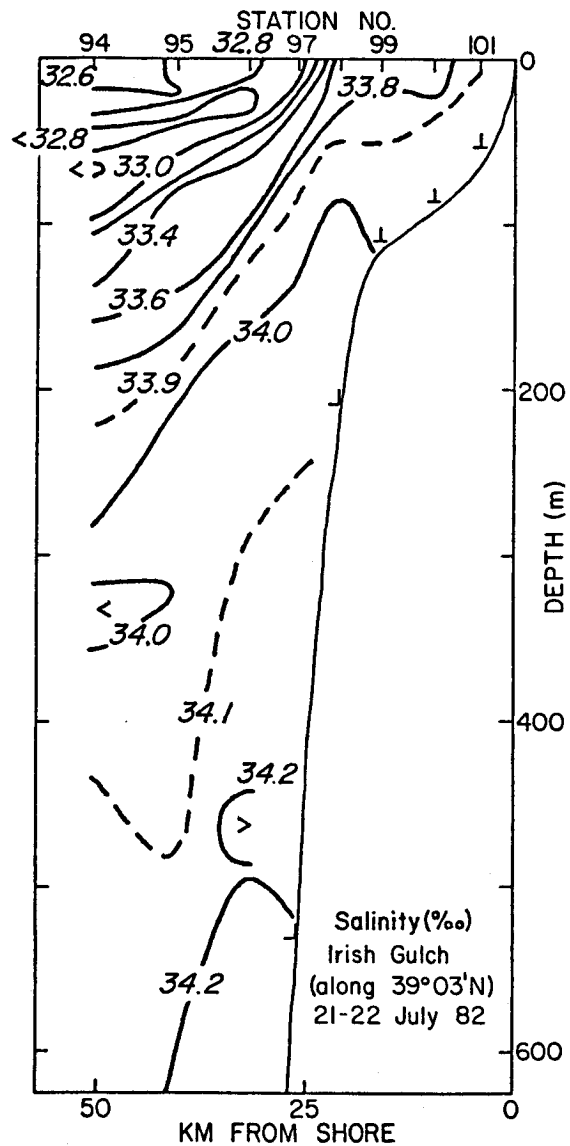
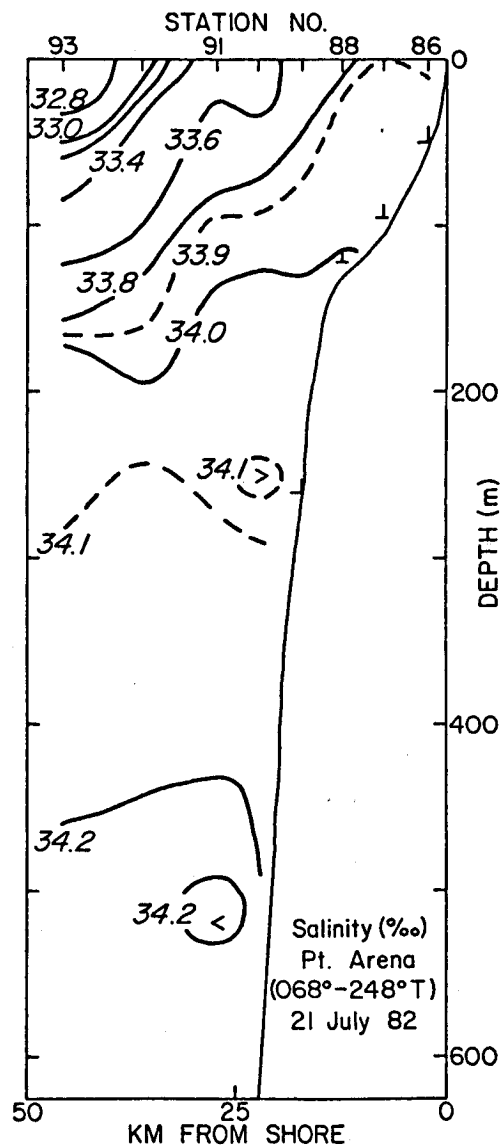
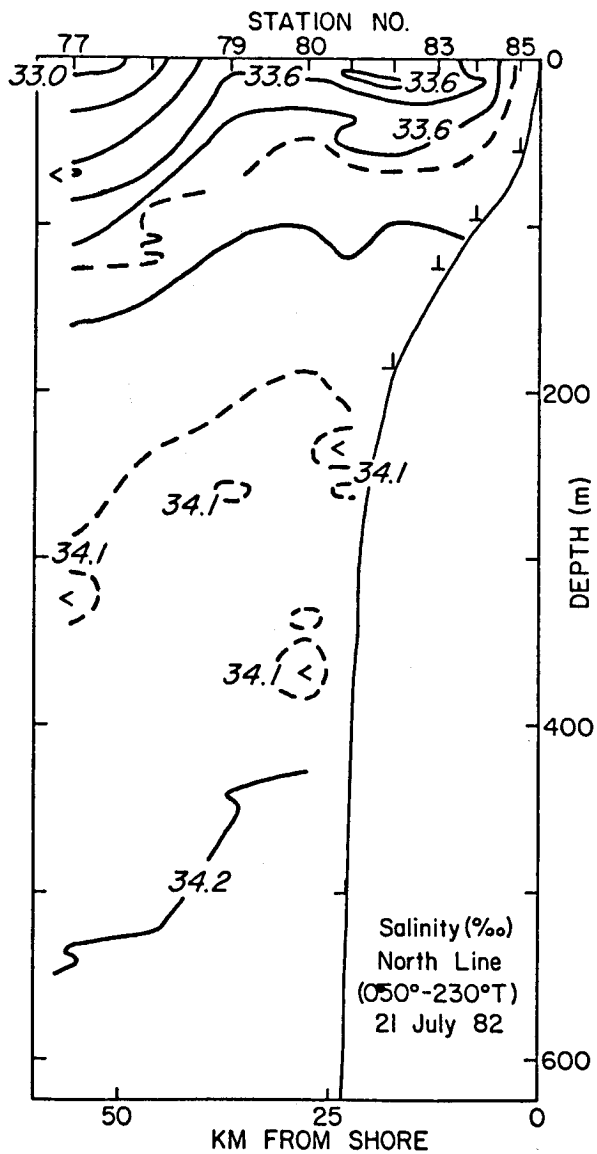


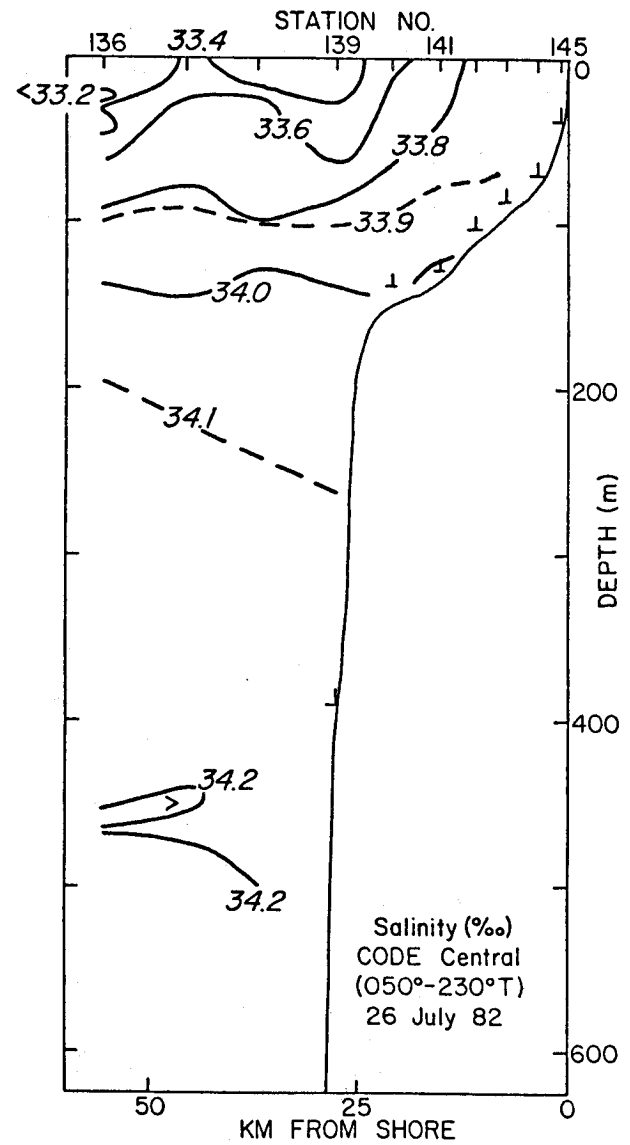
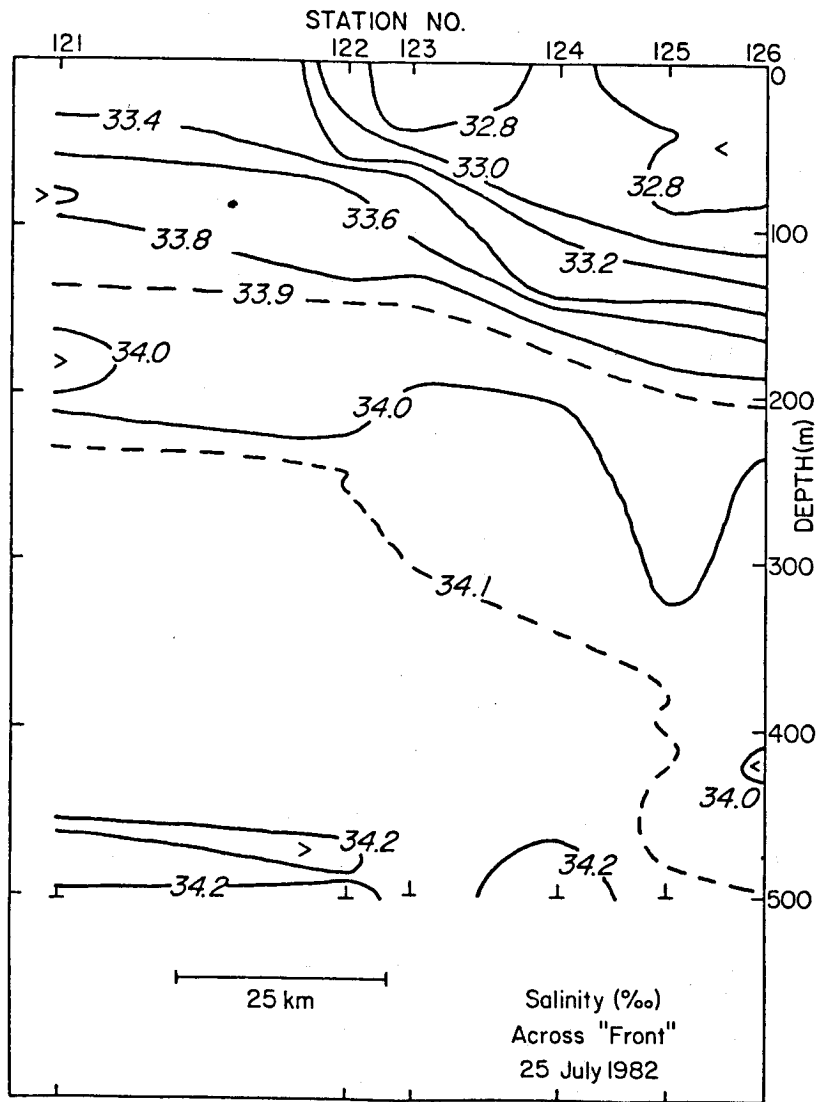


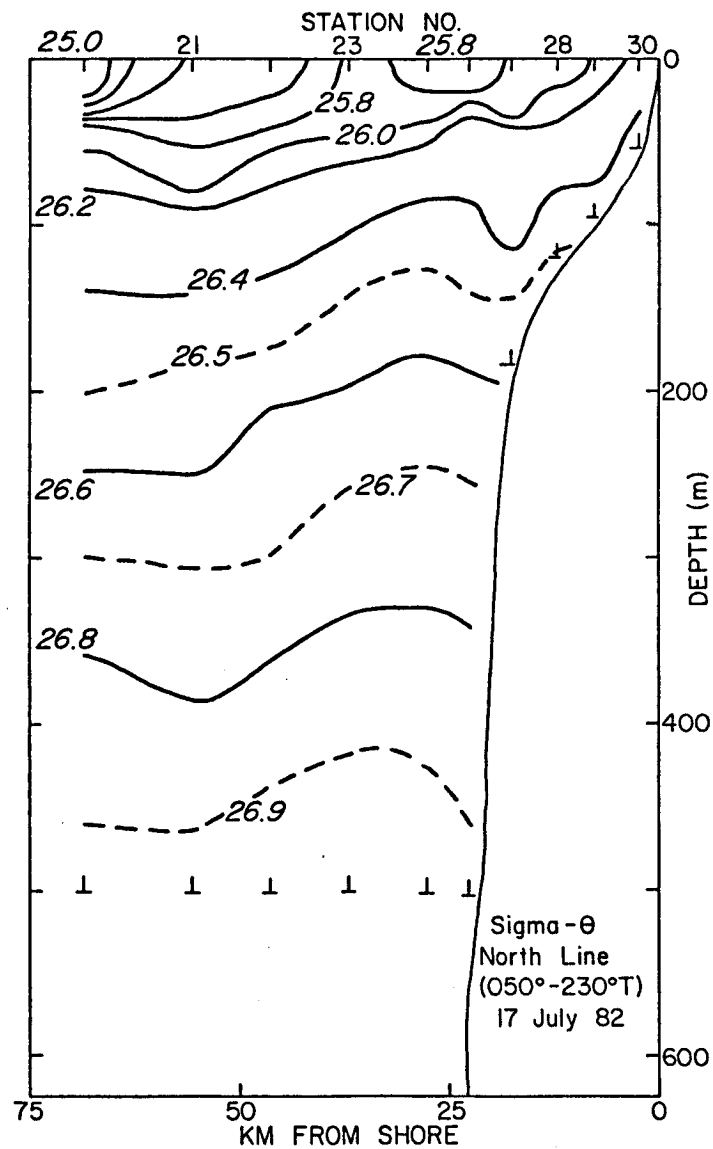
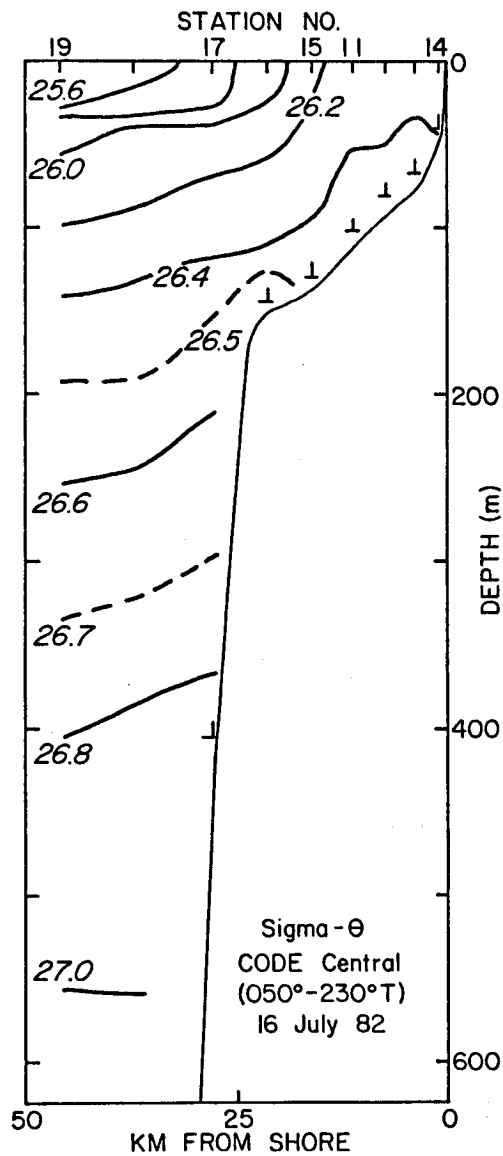
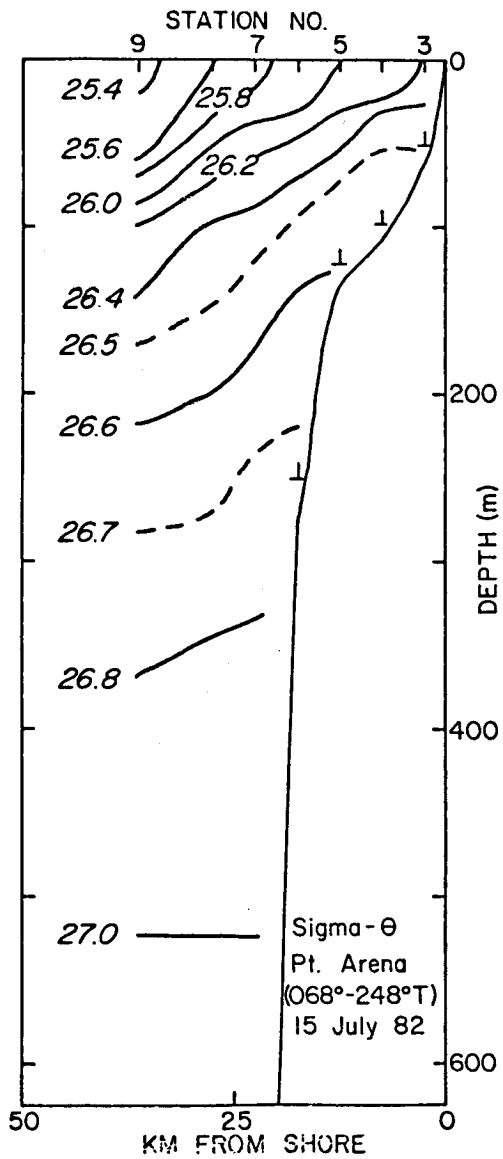


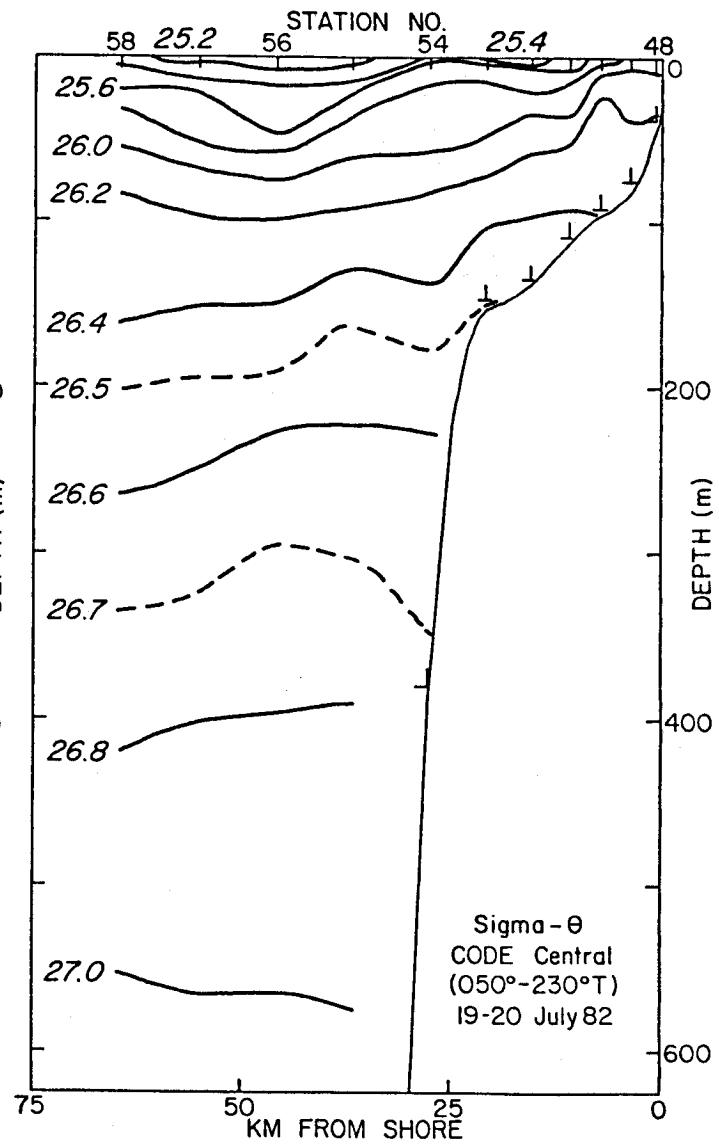
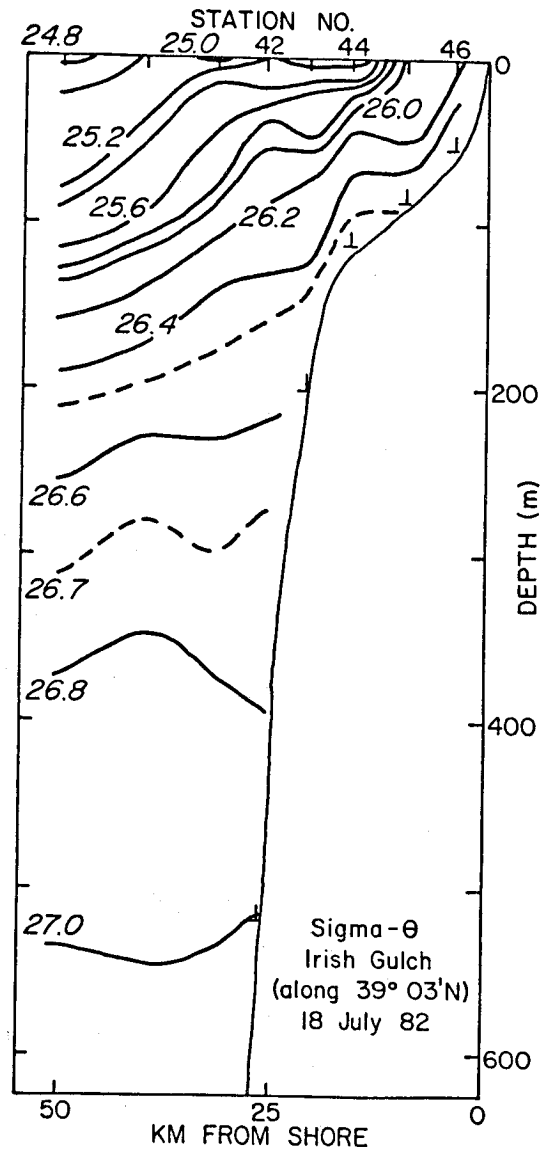
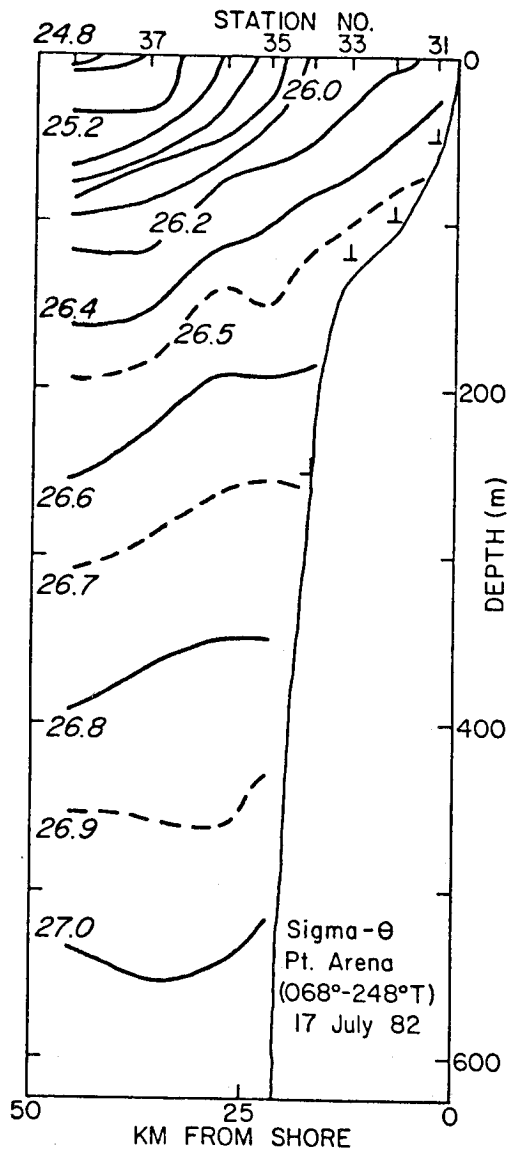


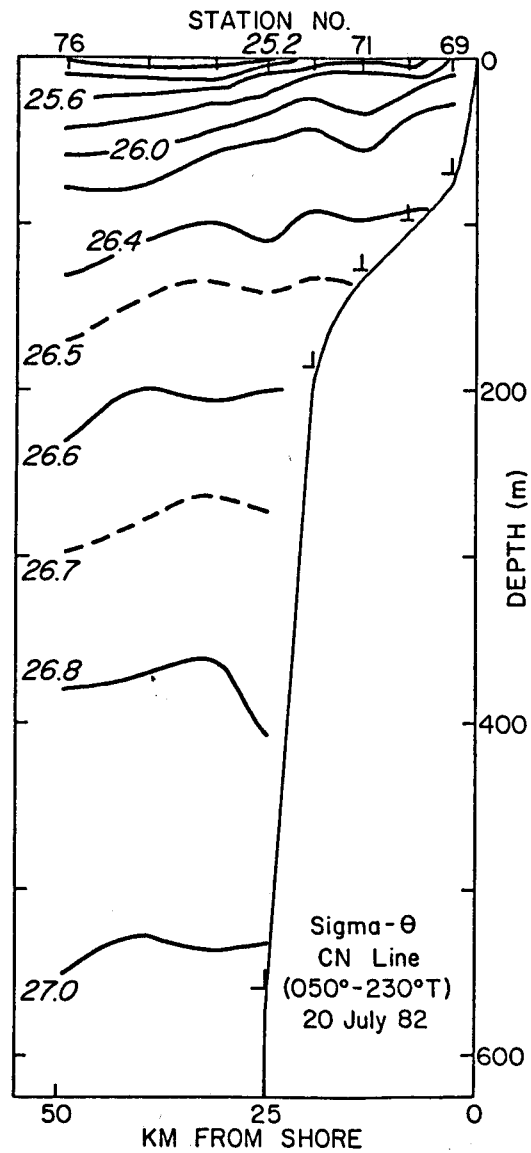
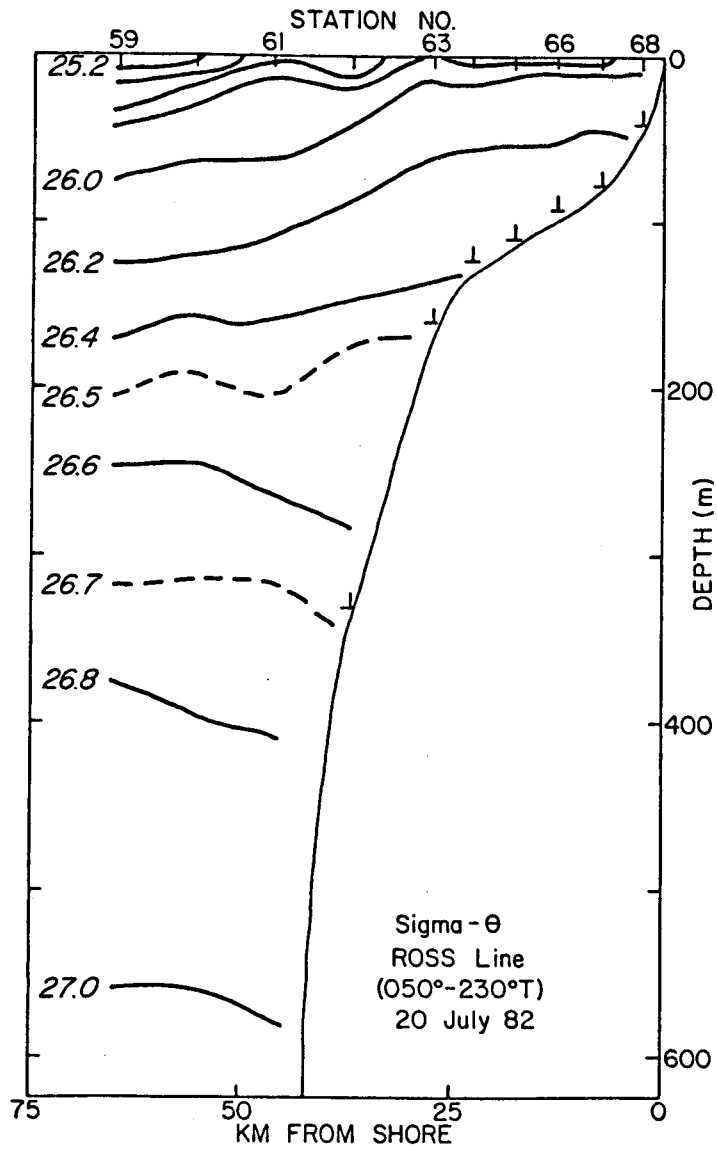


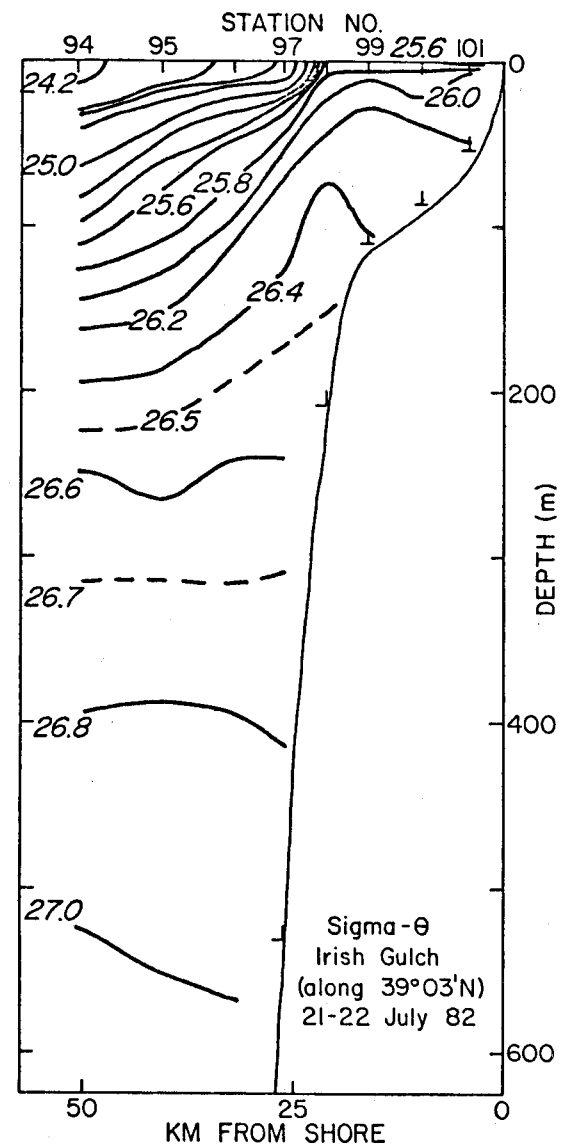
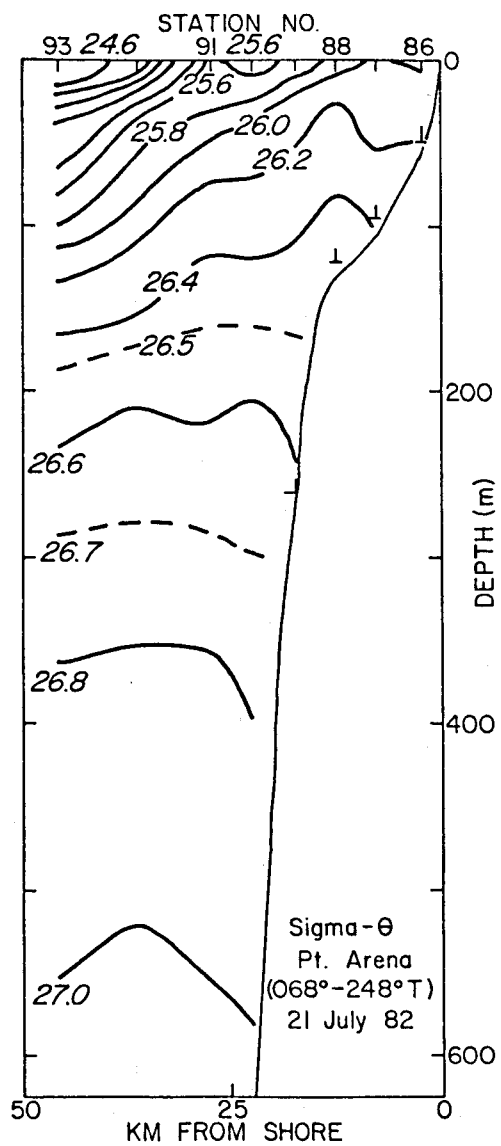
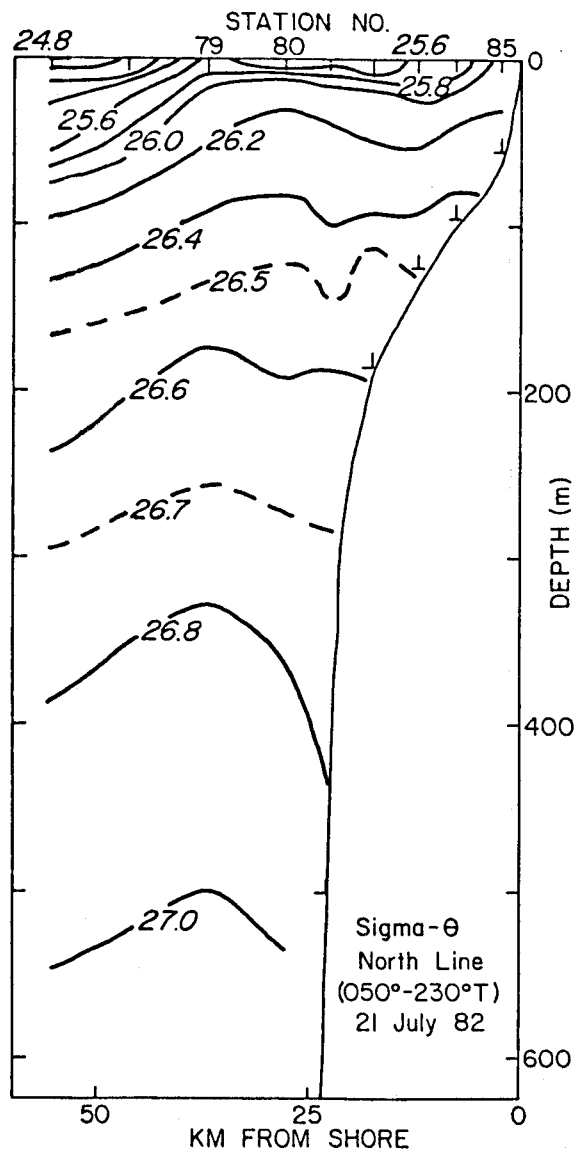


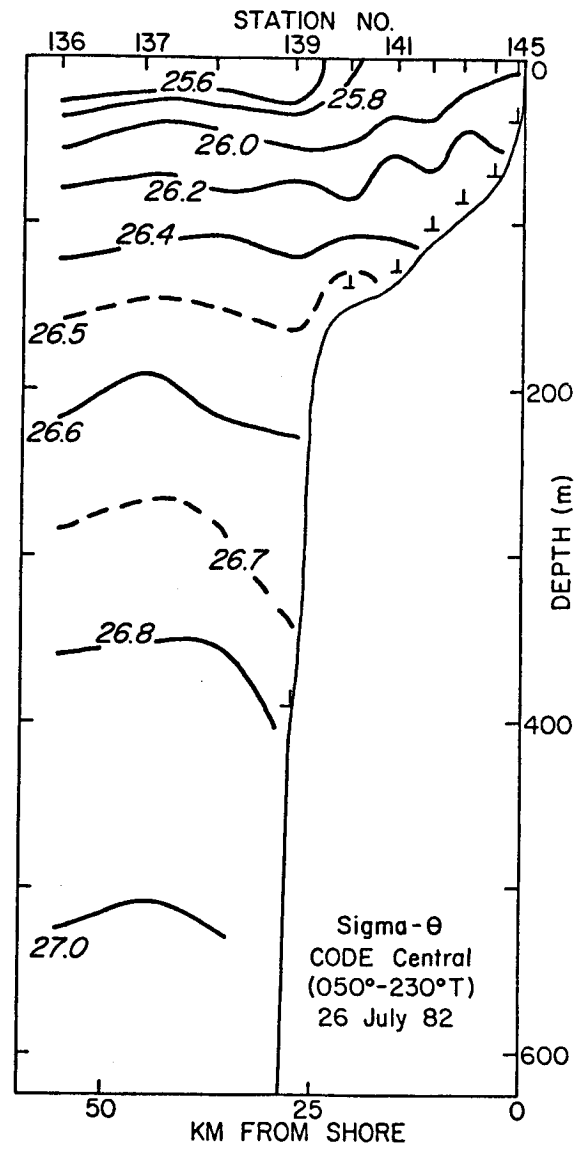
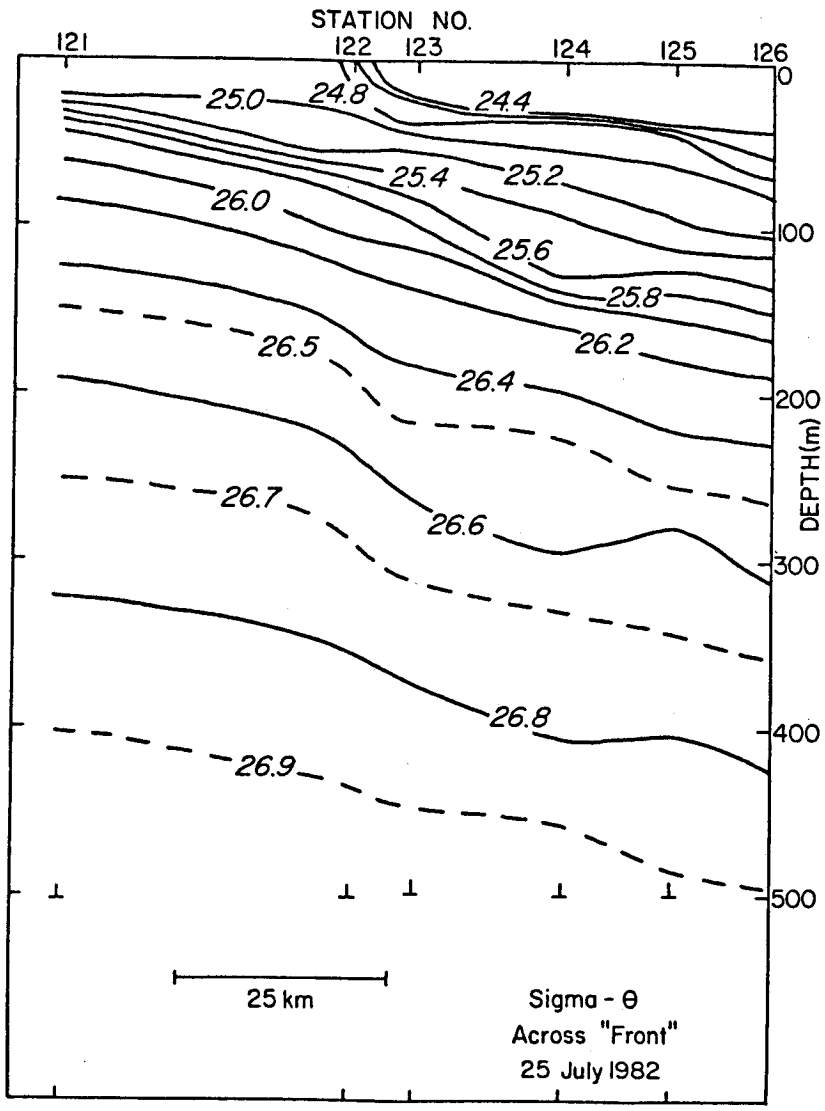


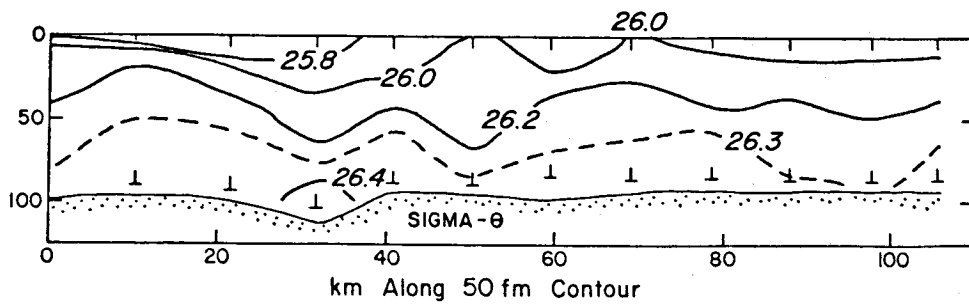
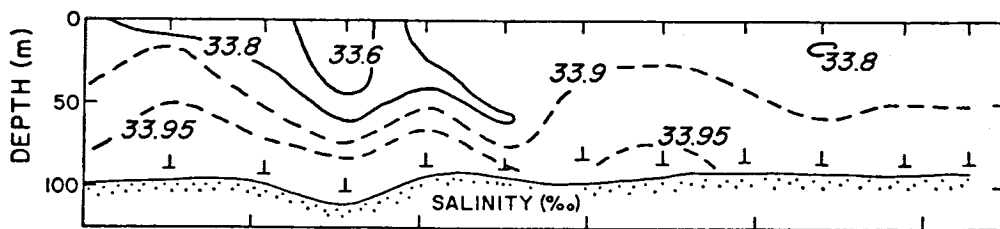
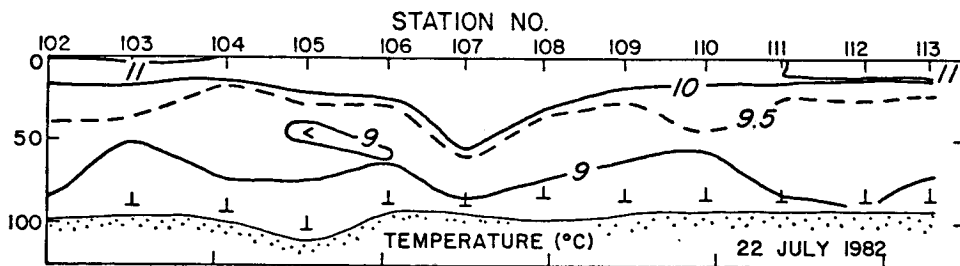




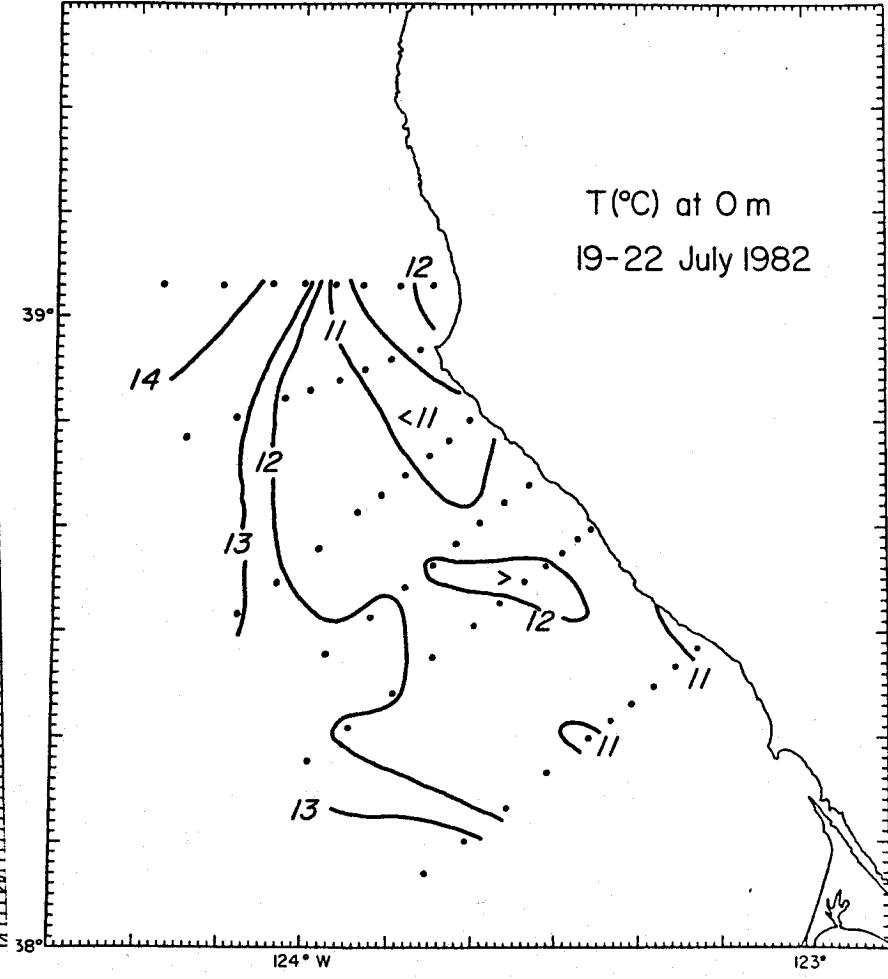
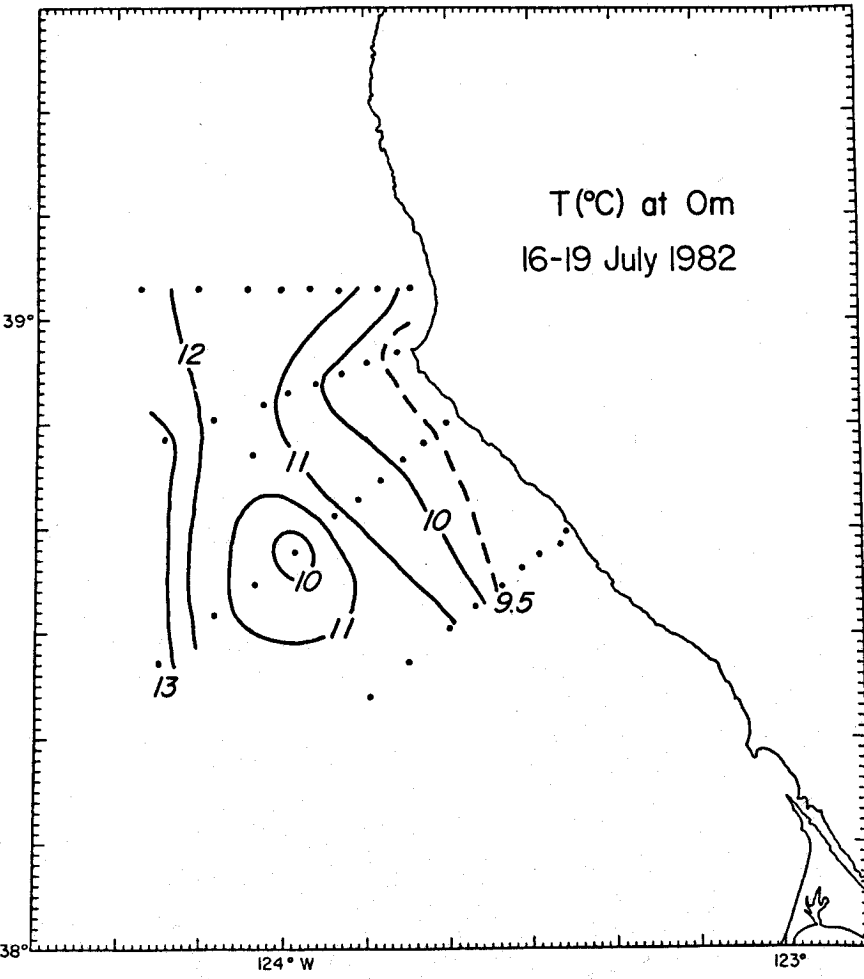


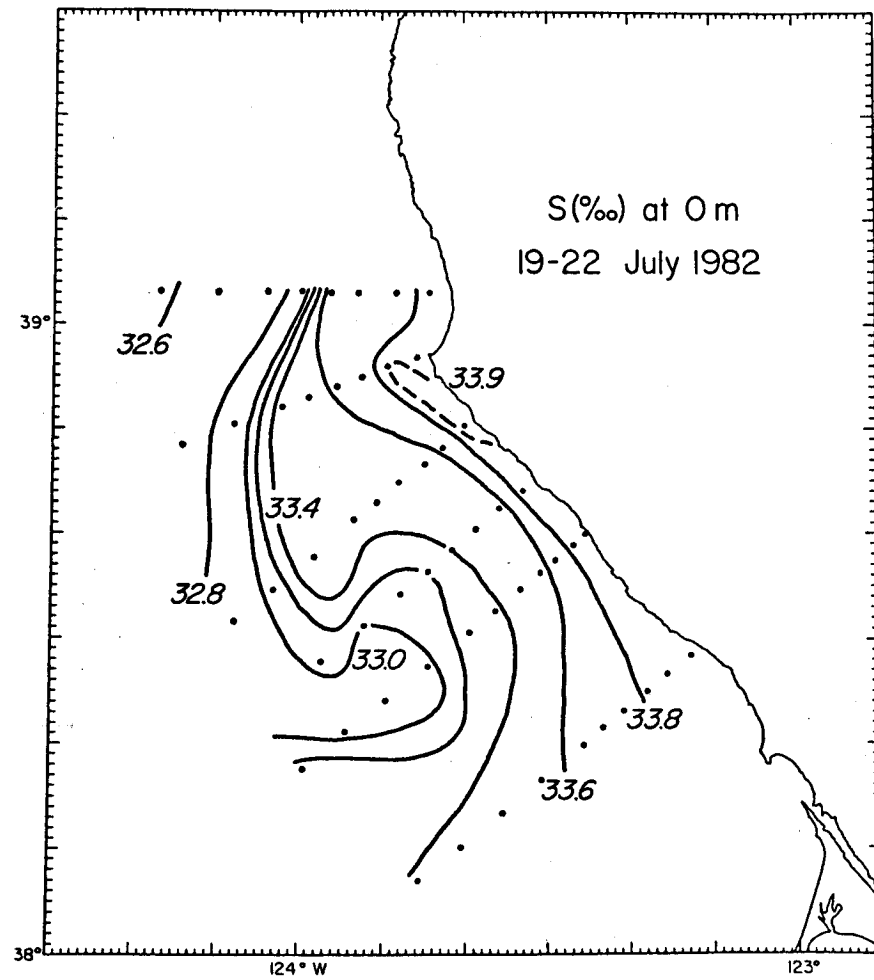
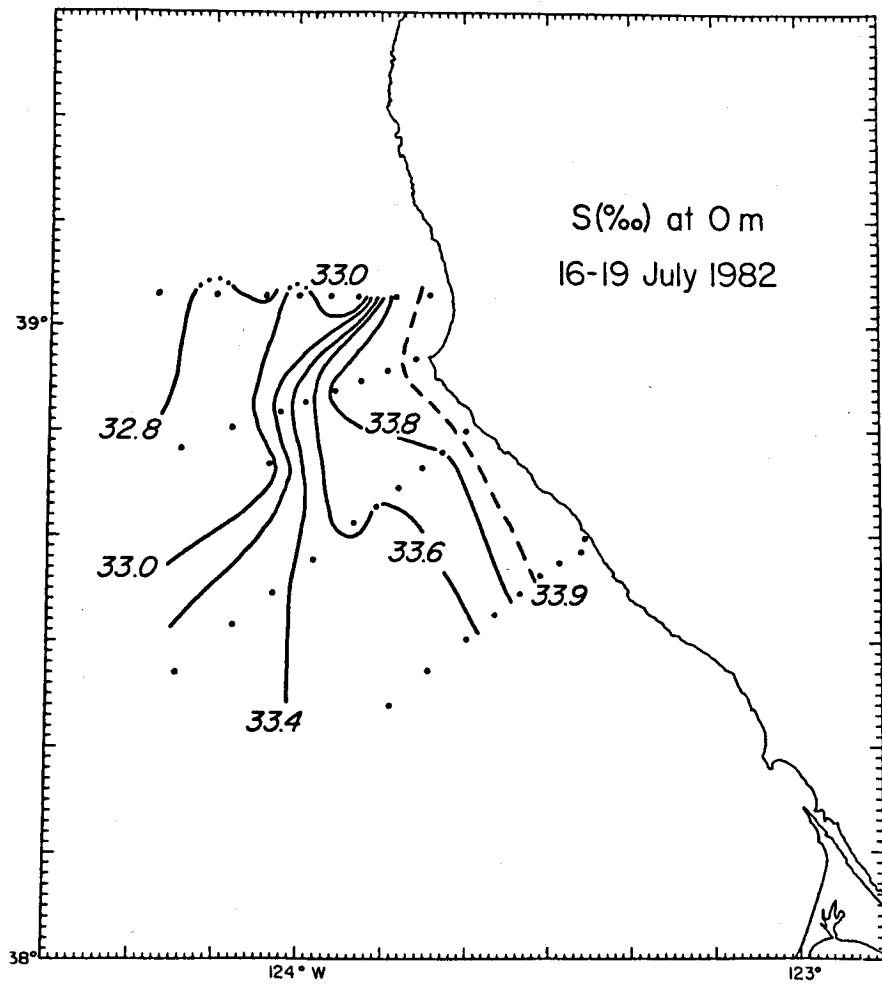


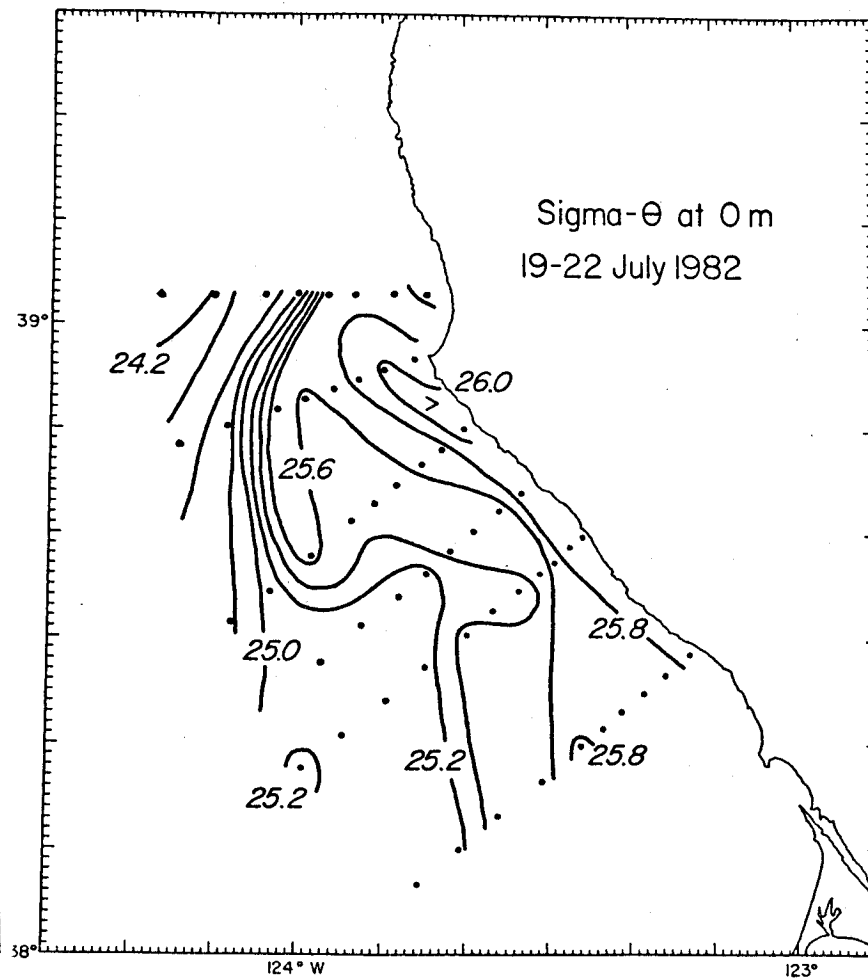
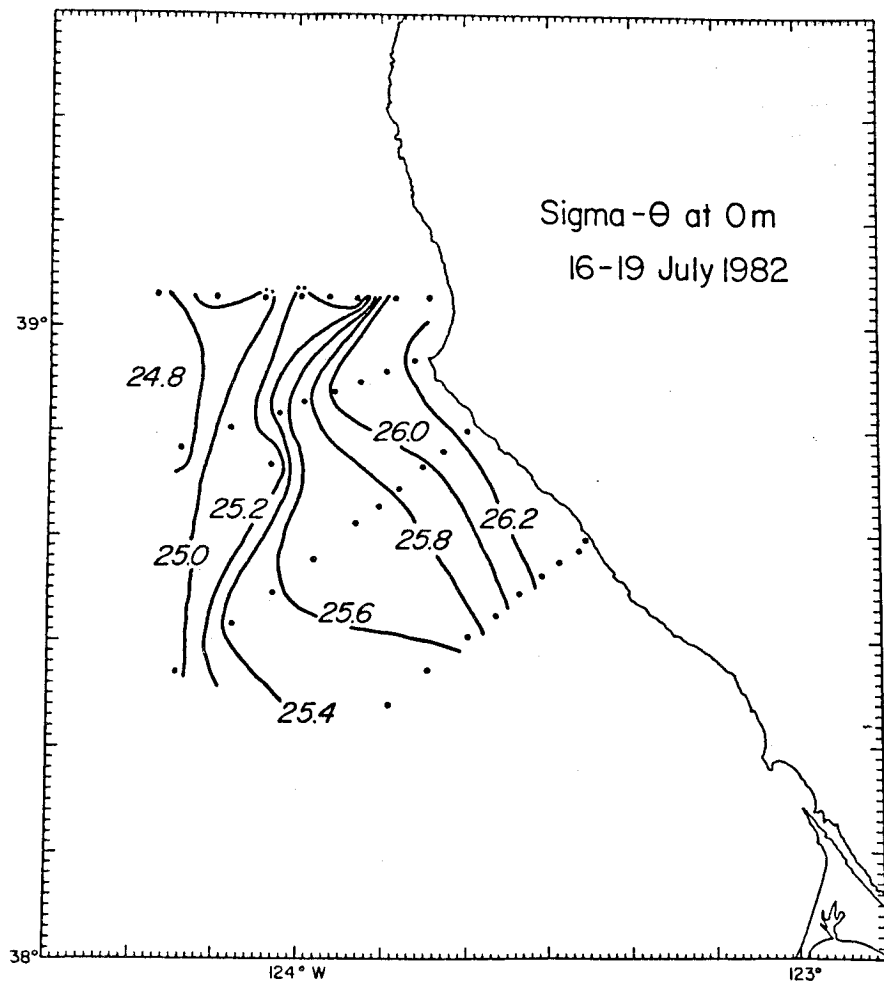


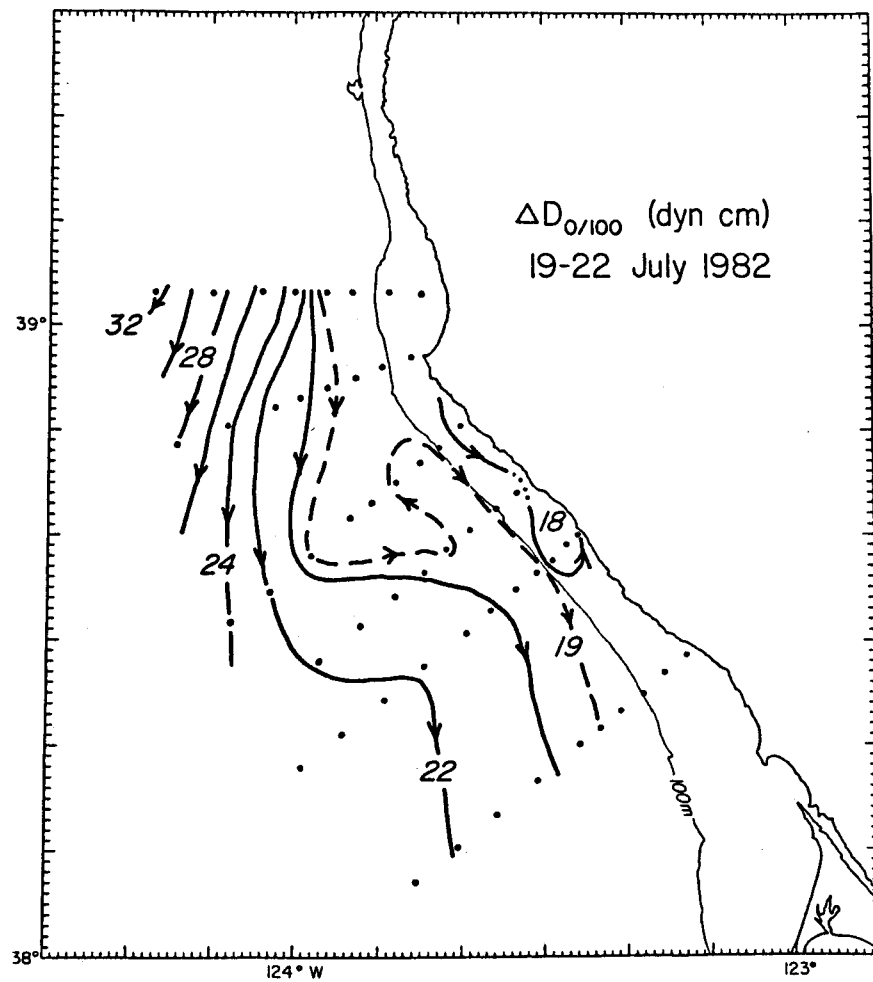
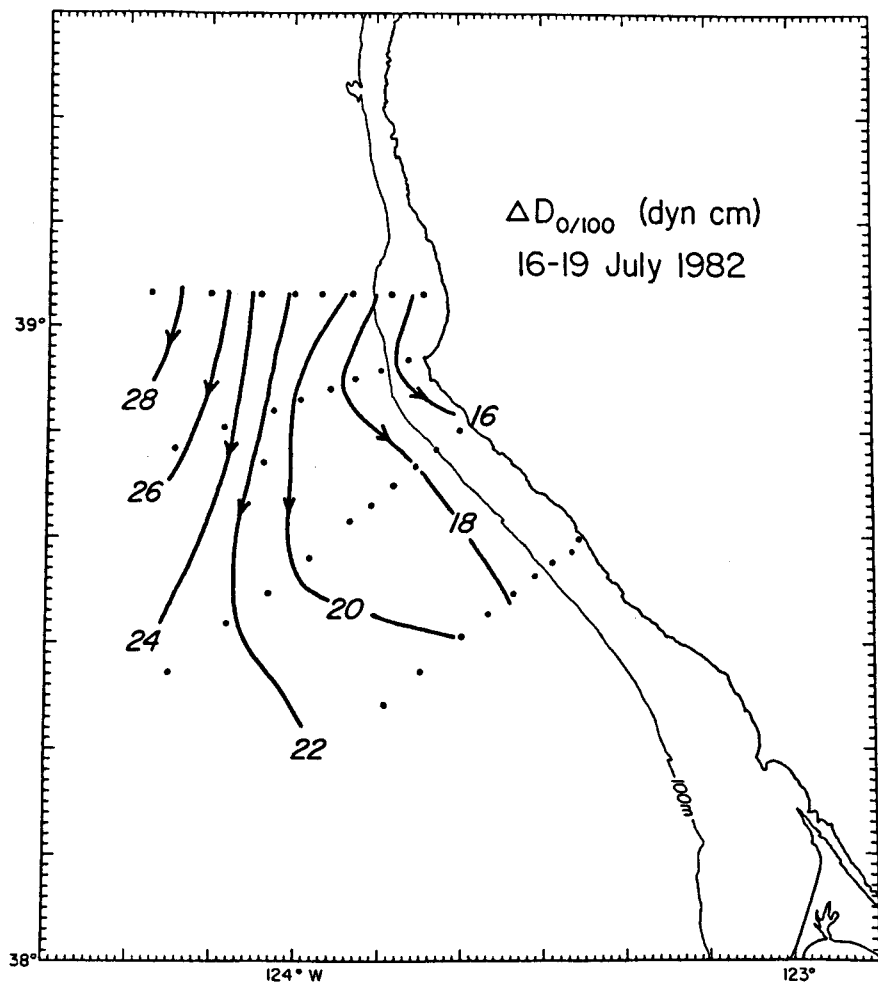


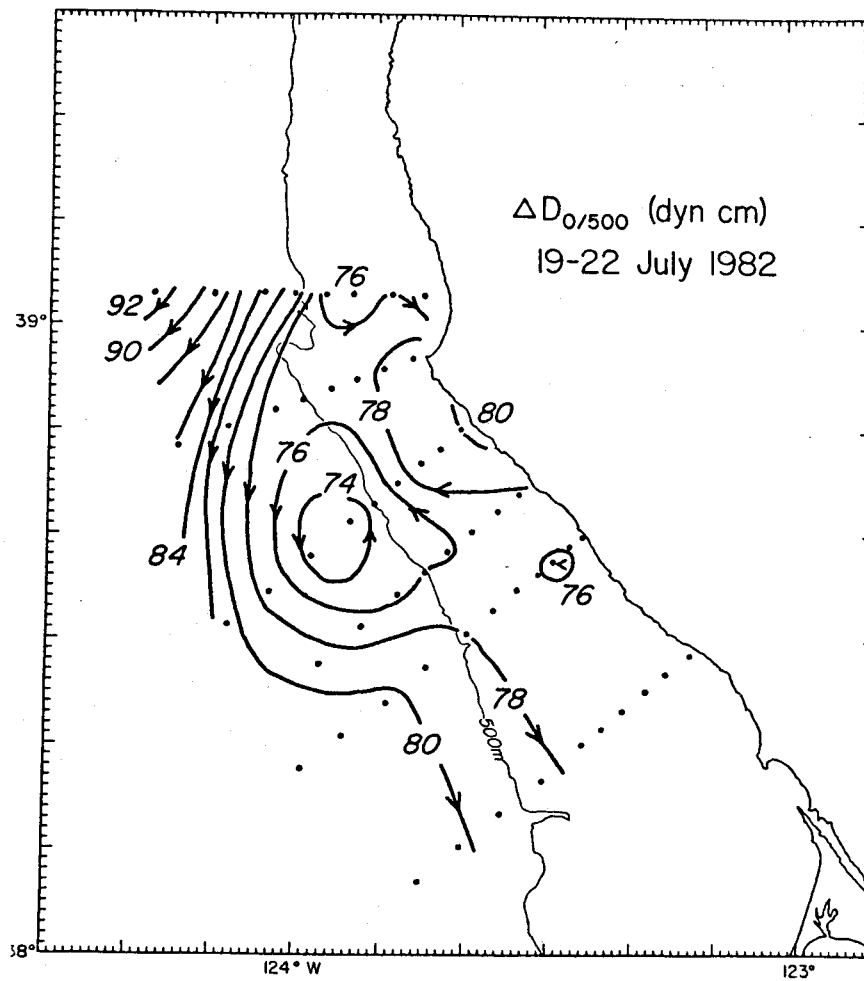
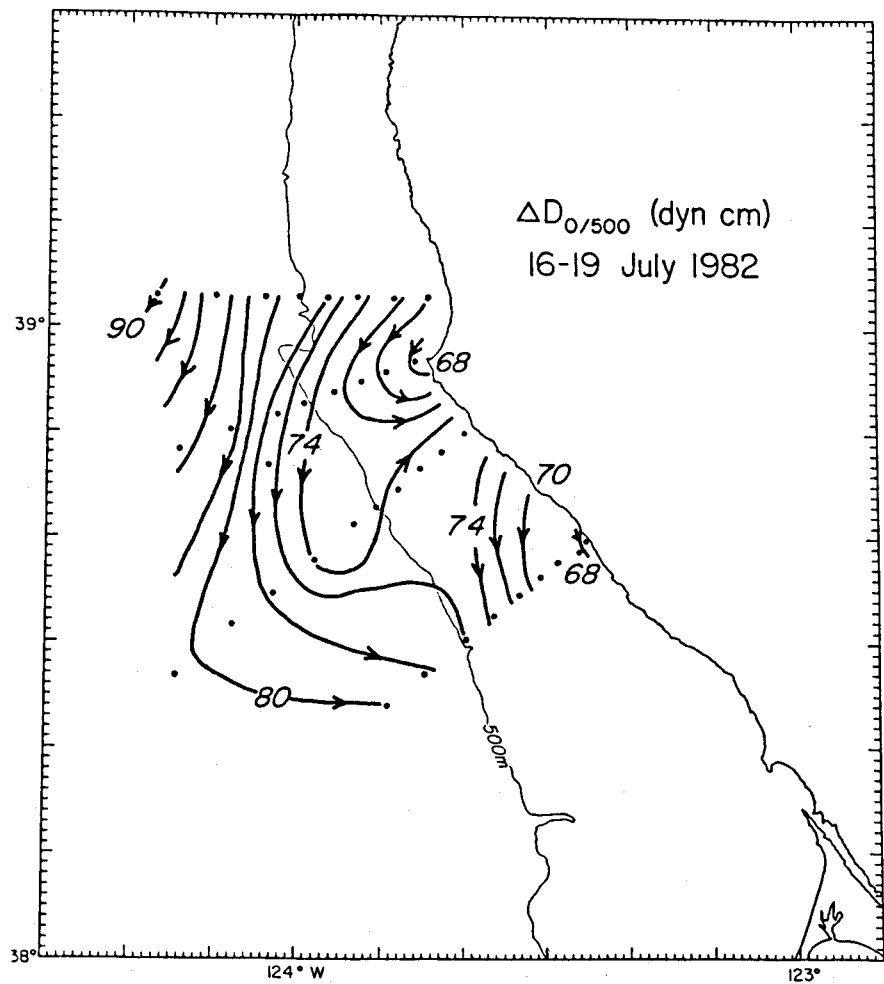
MESOSCALE MAPS

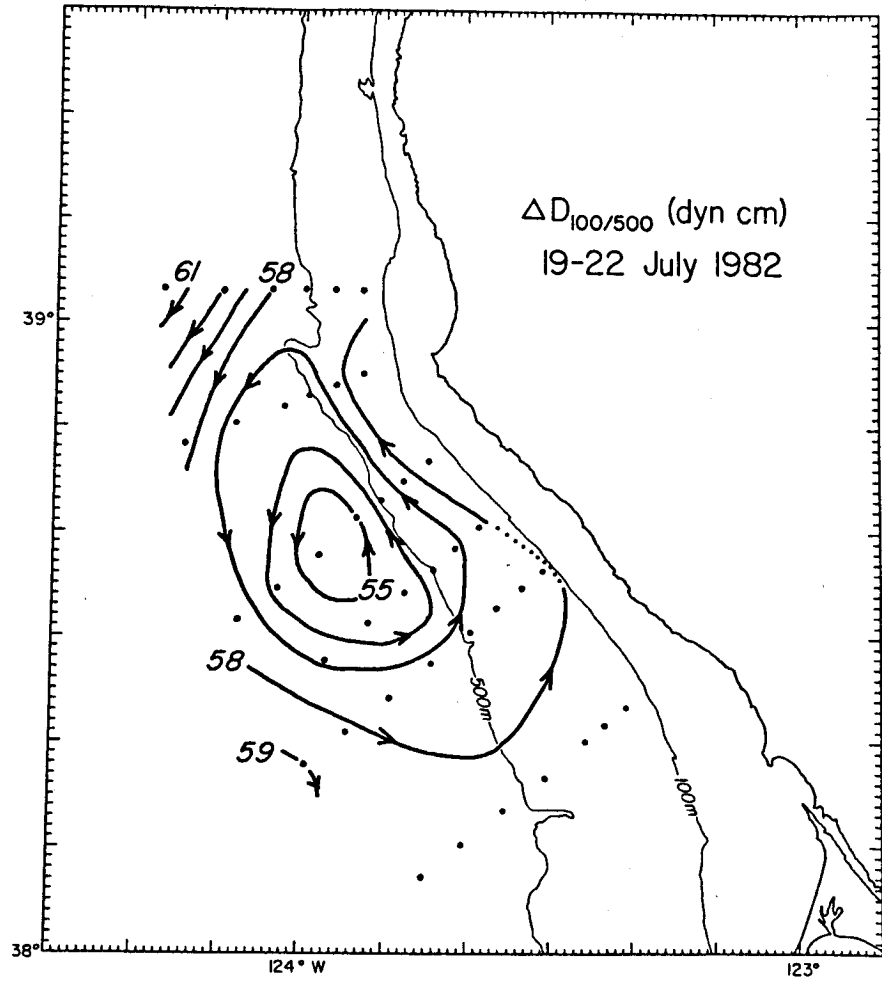
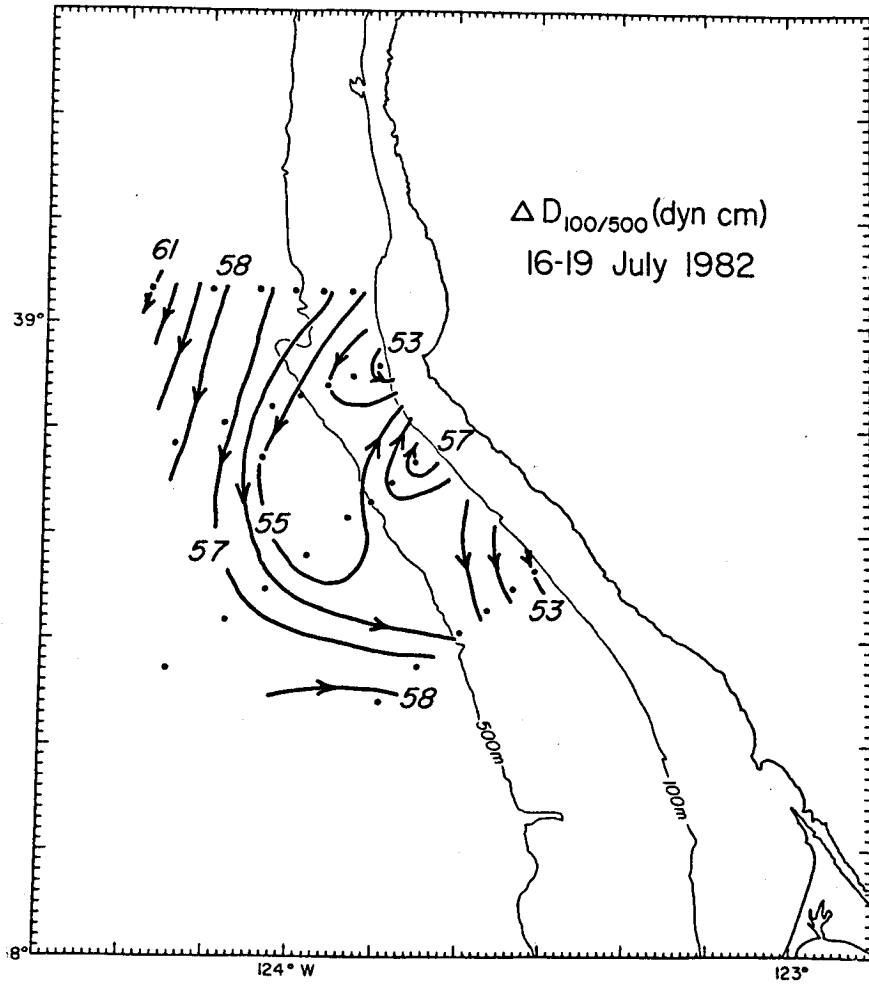


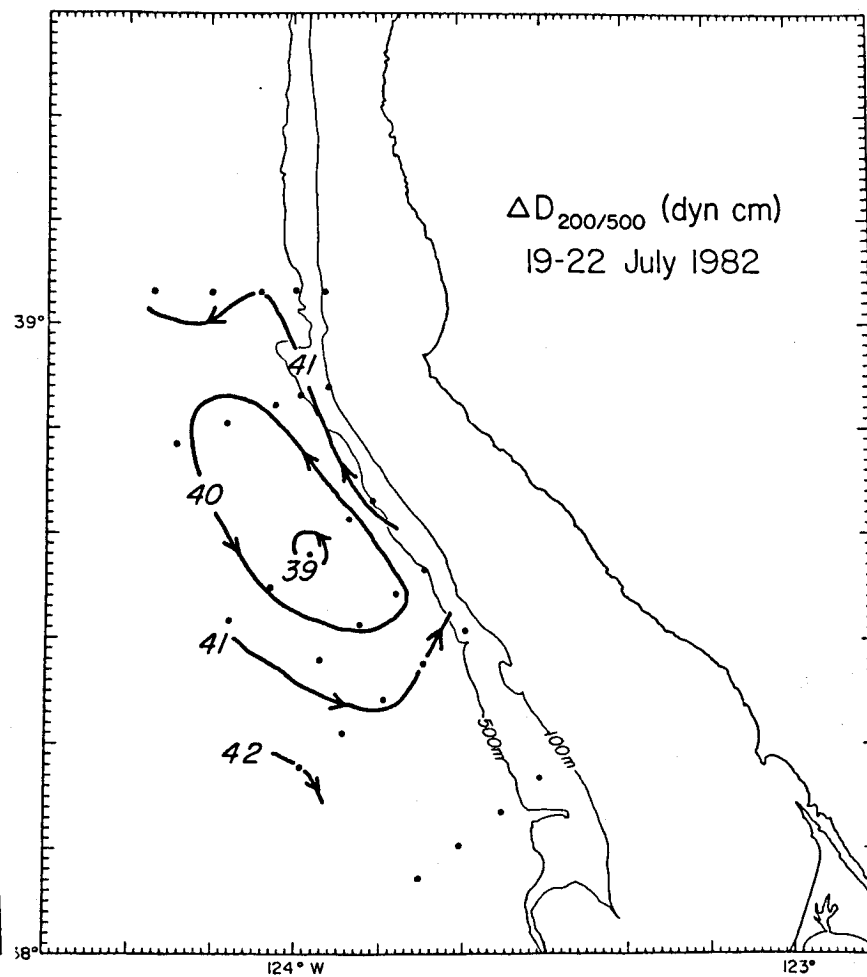
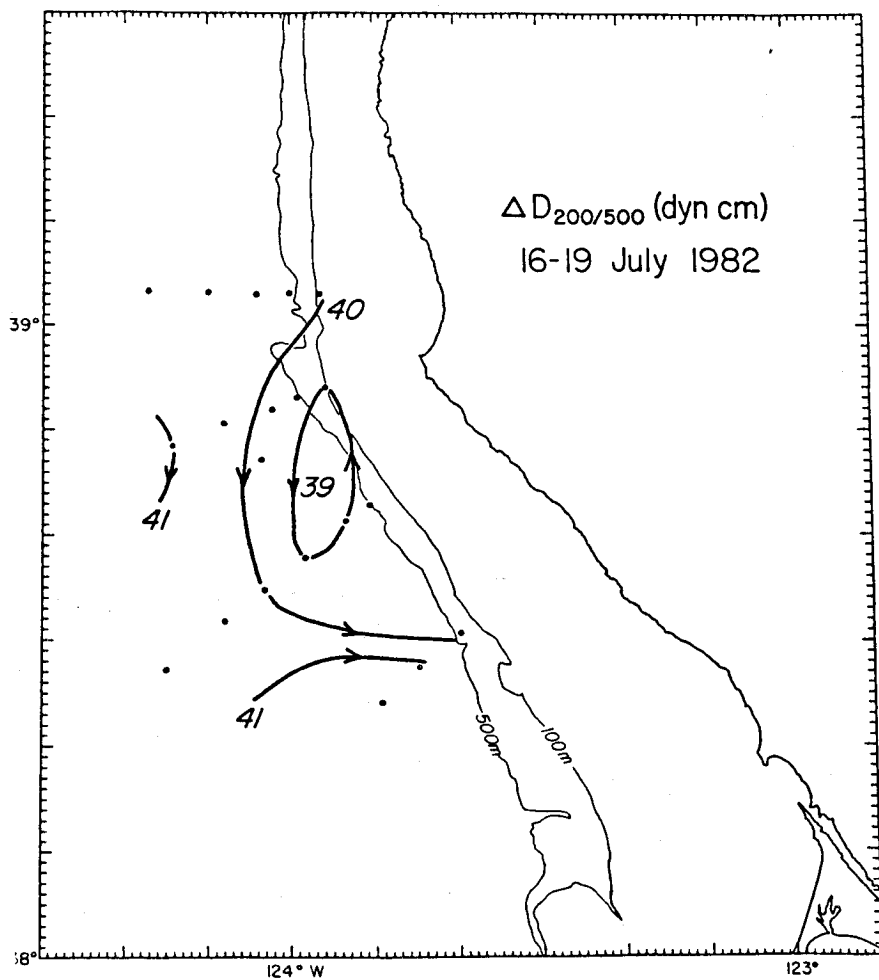




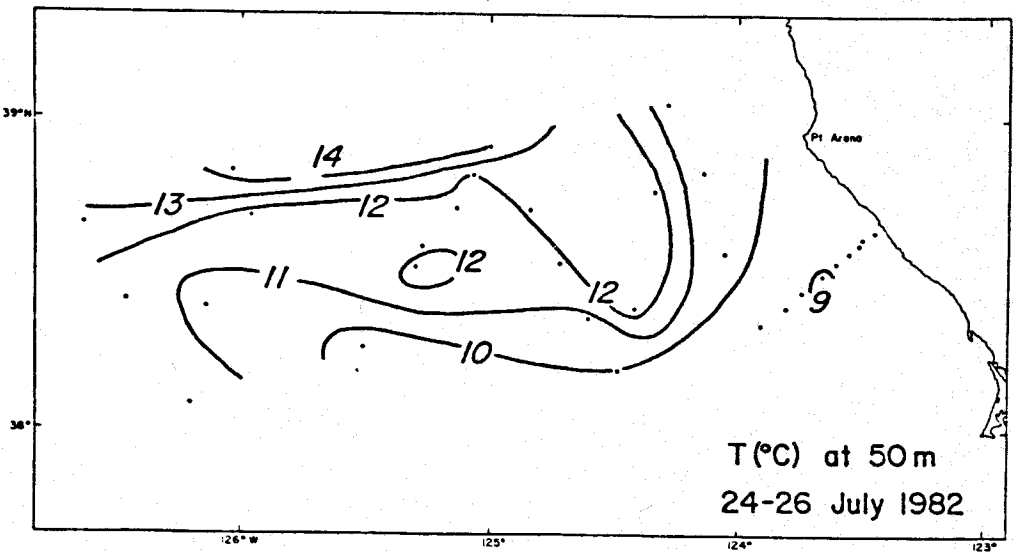
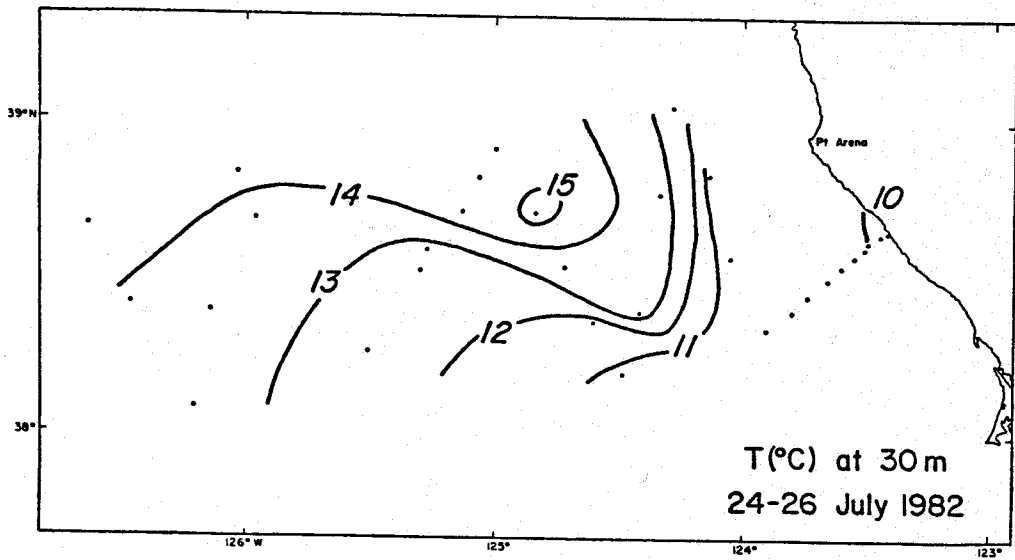
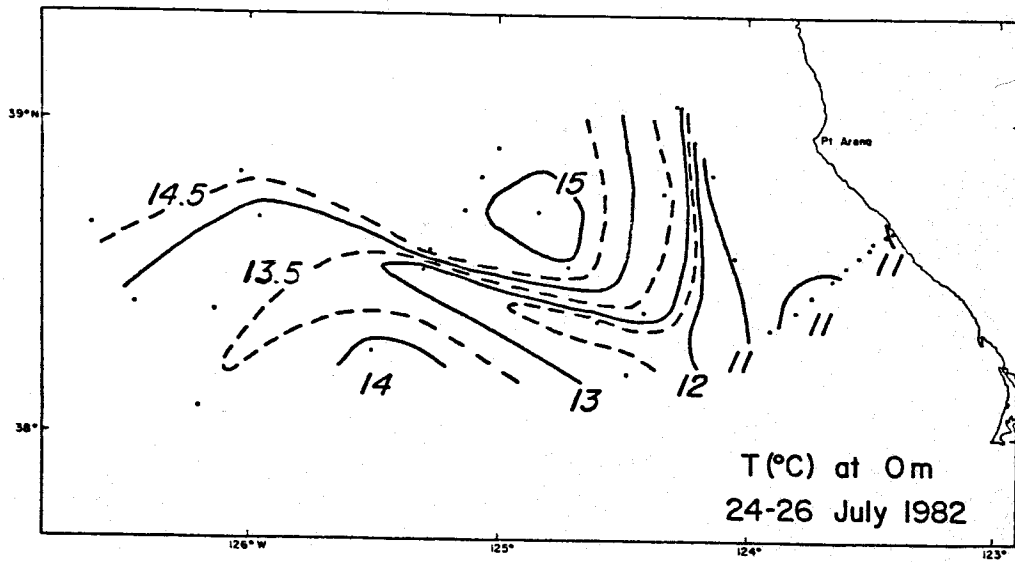


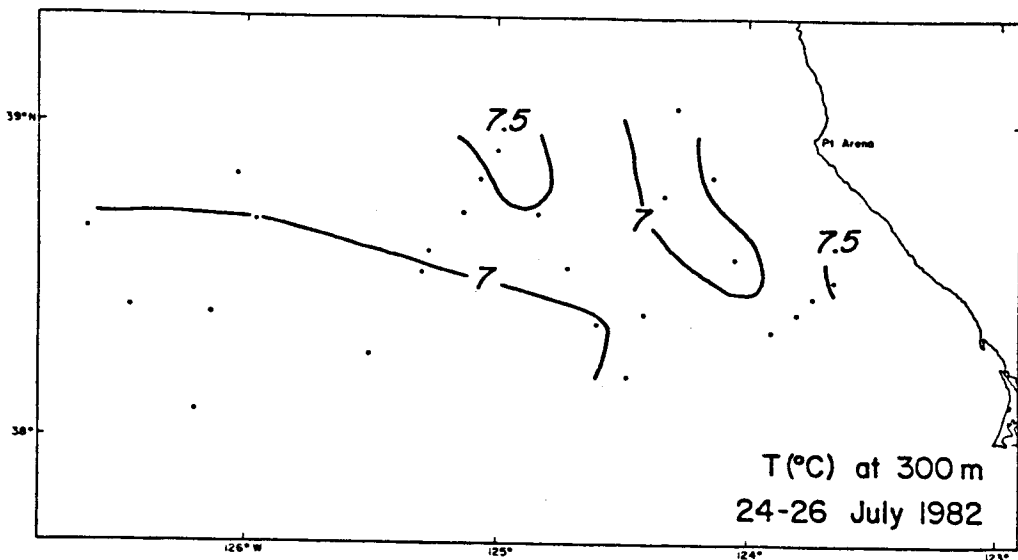
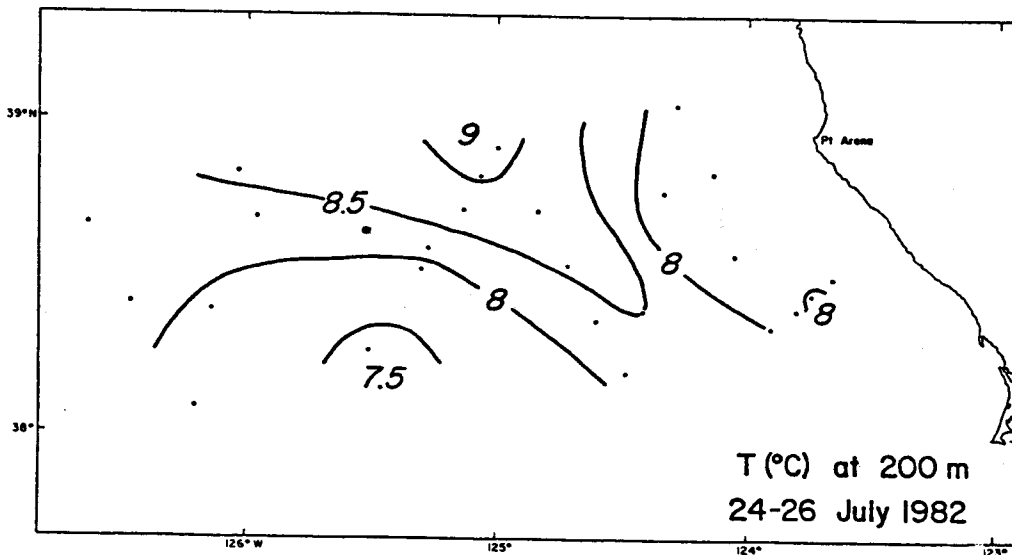
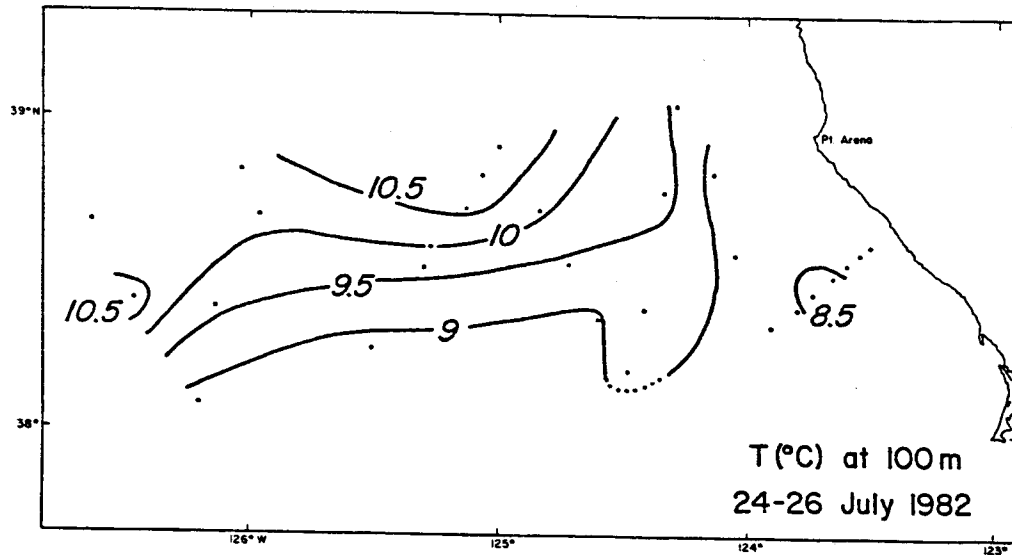


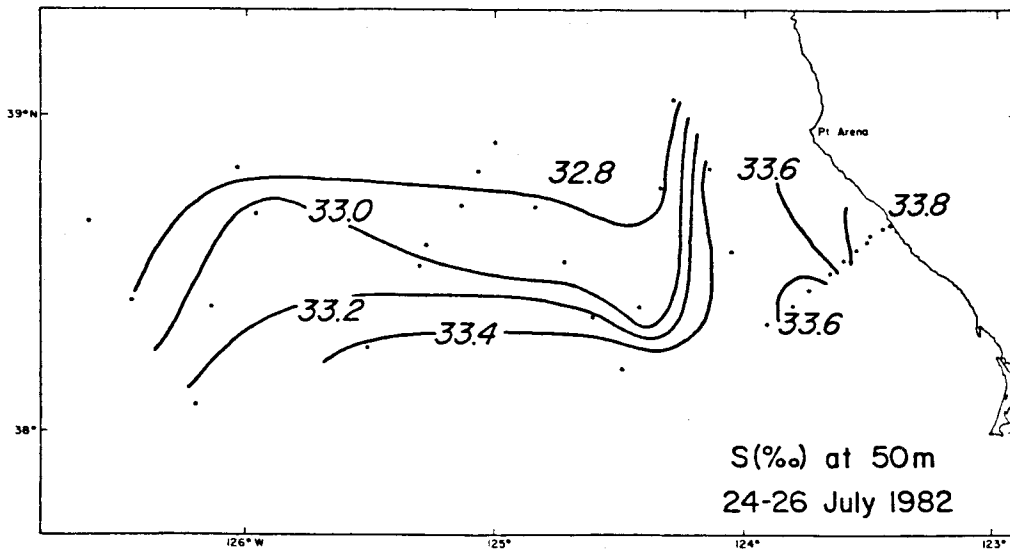
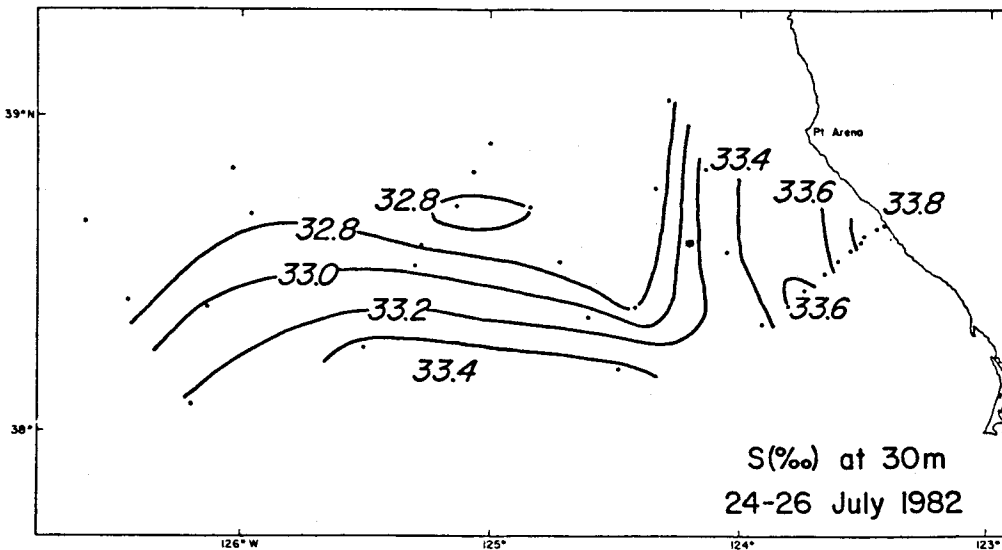
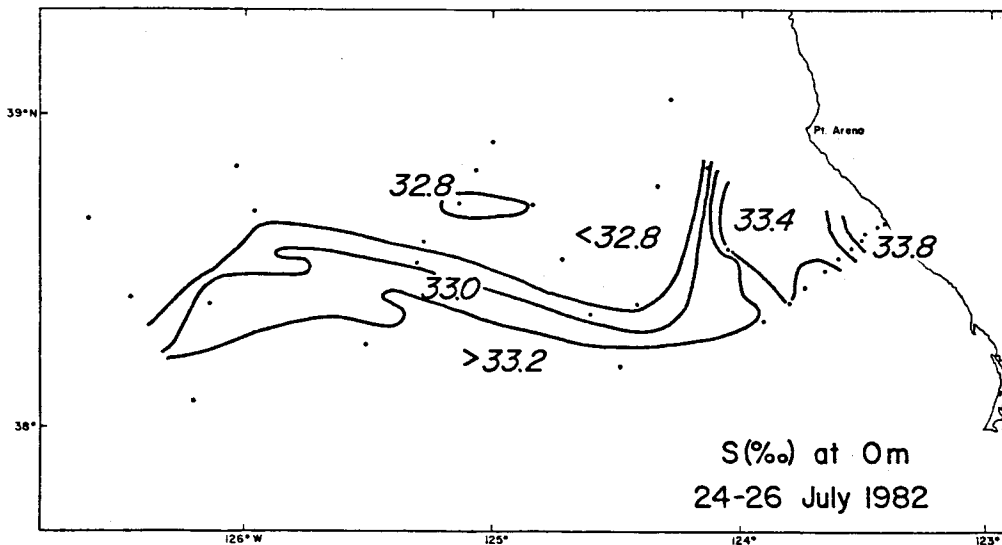


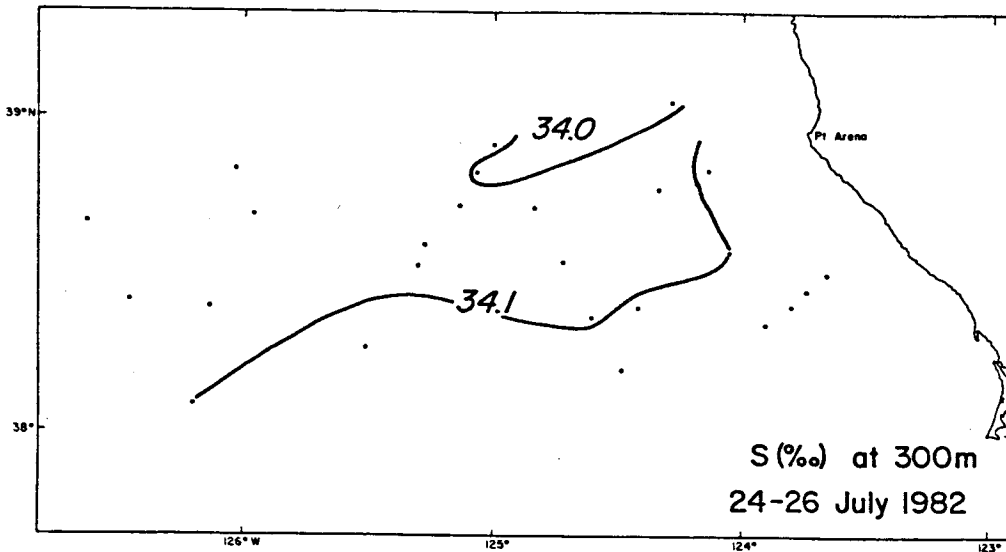
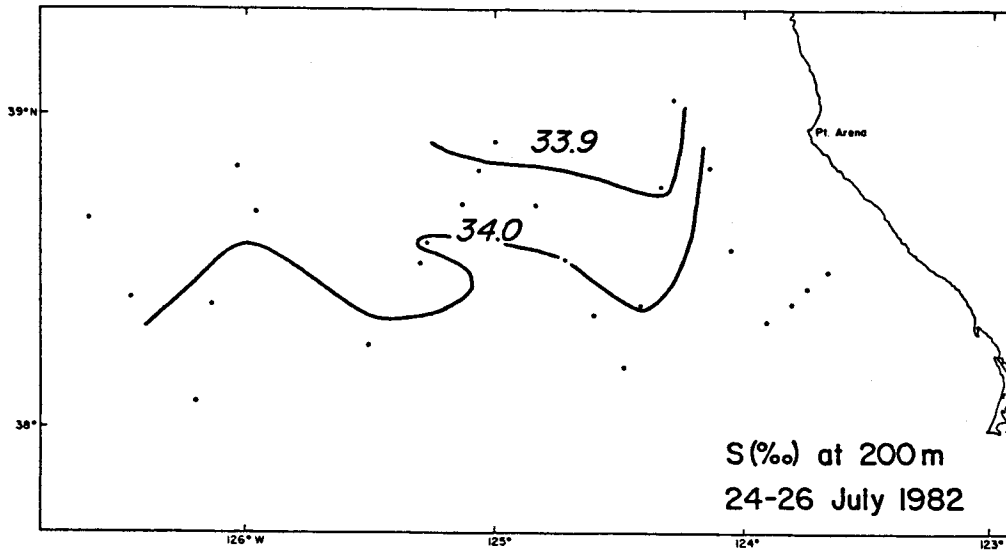
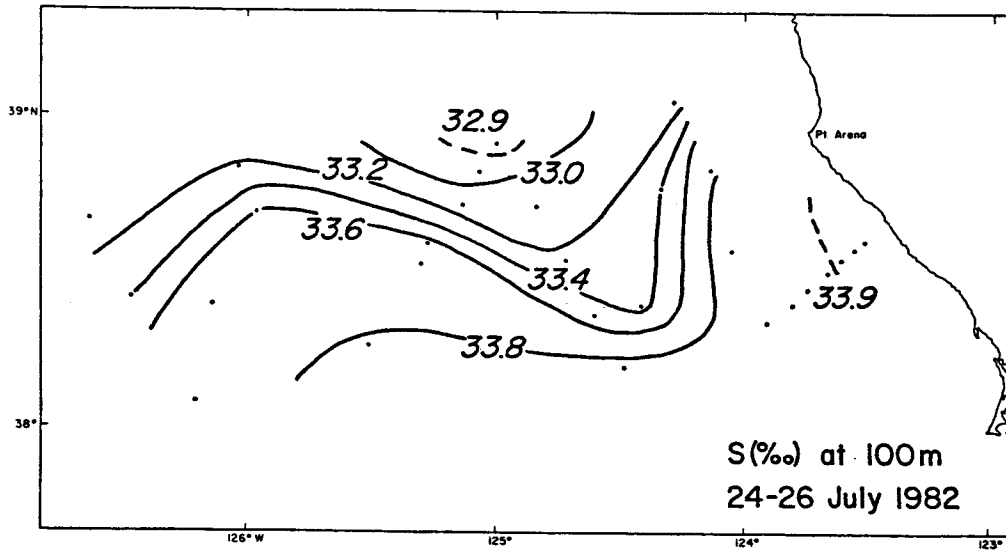


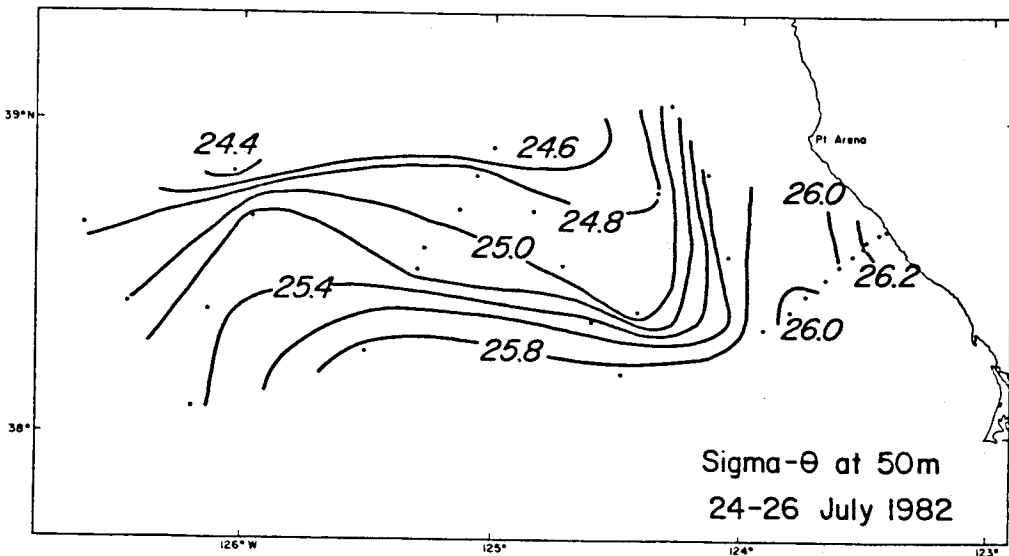
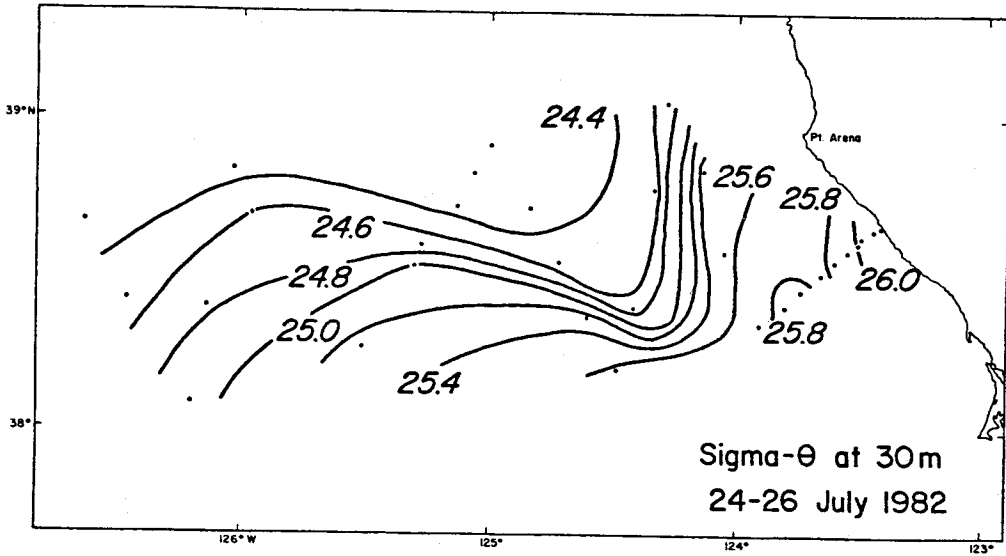
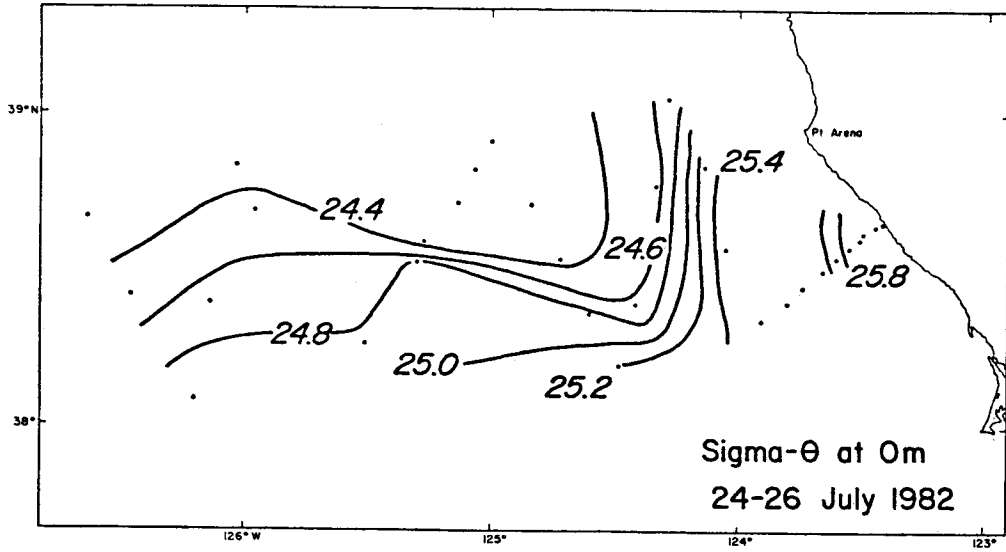
OFFSHORE SURVEY MAPS

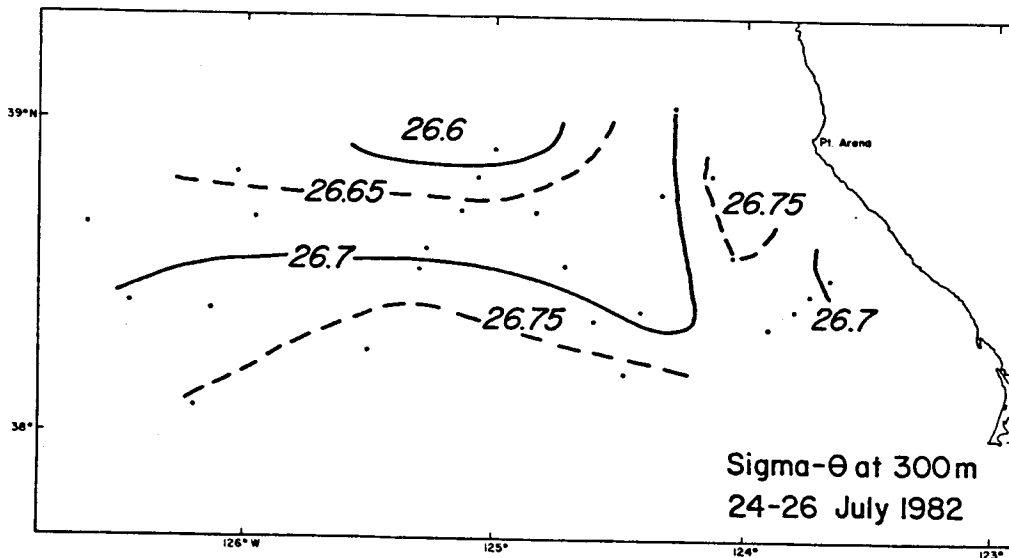
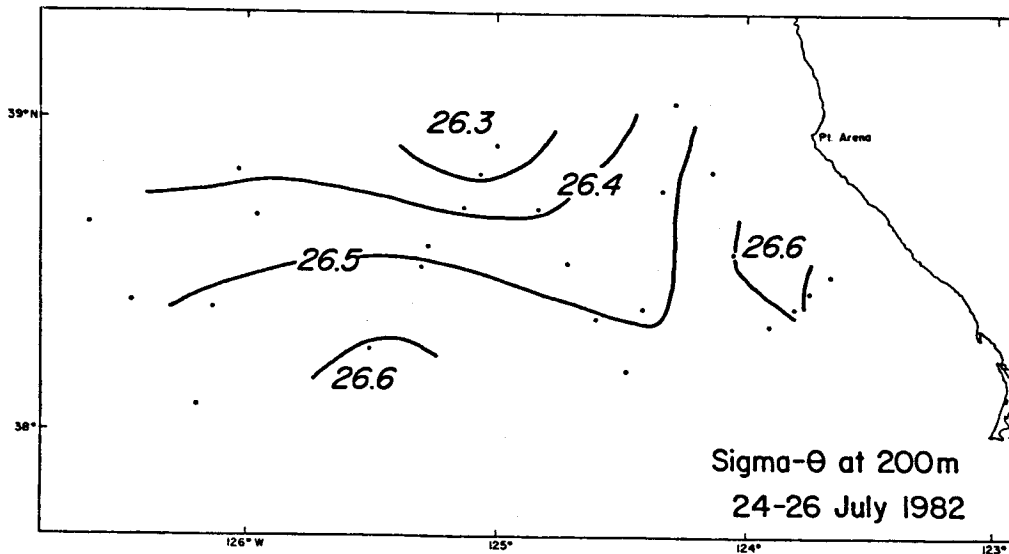
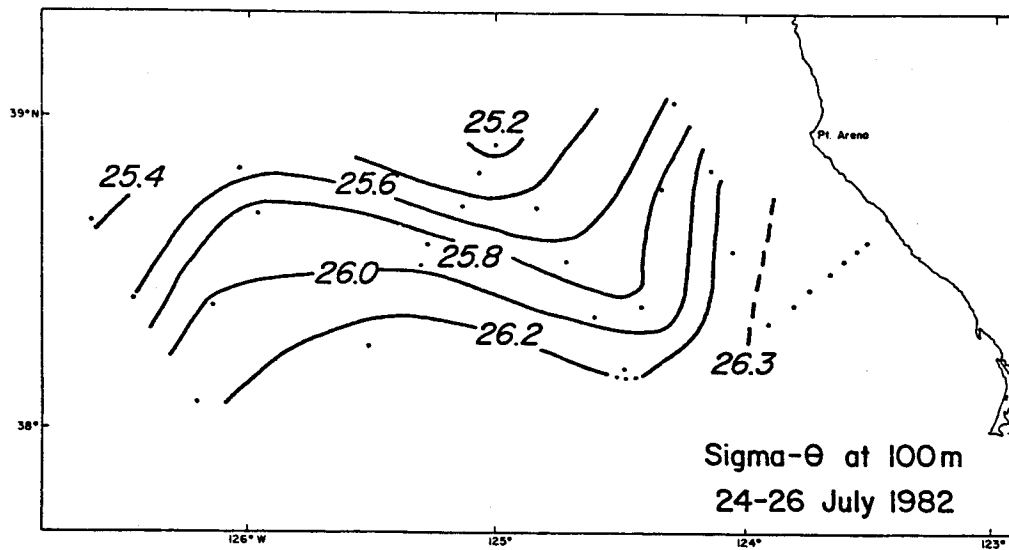


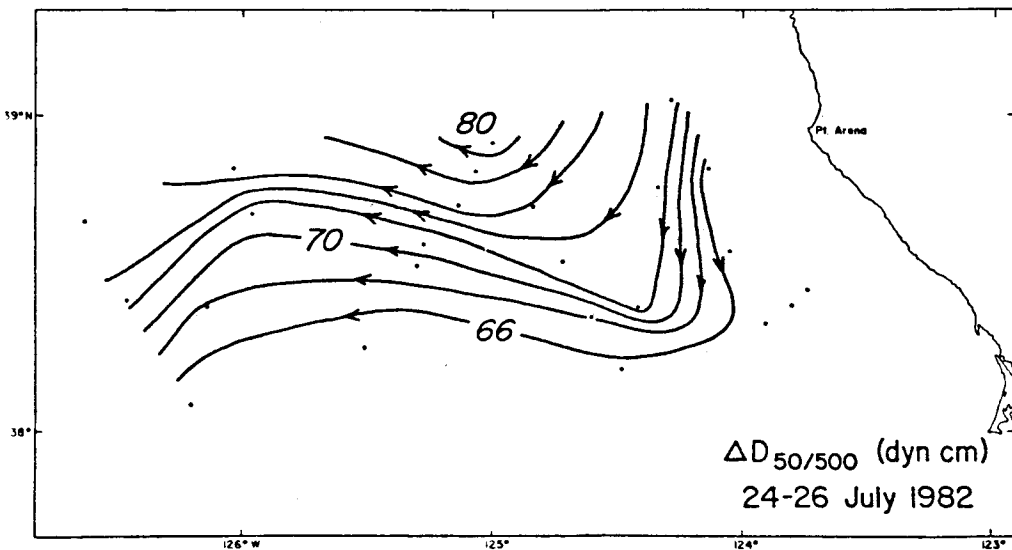
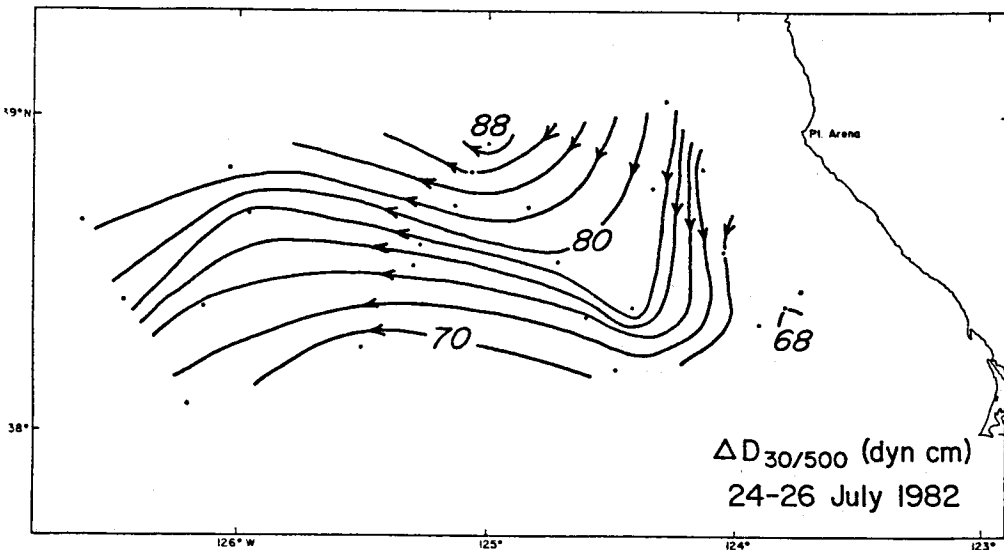
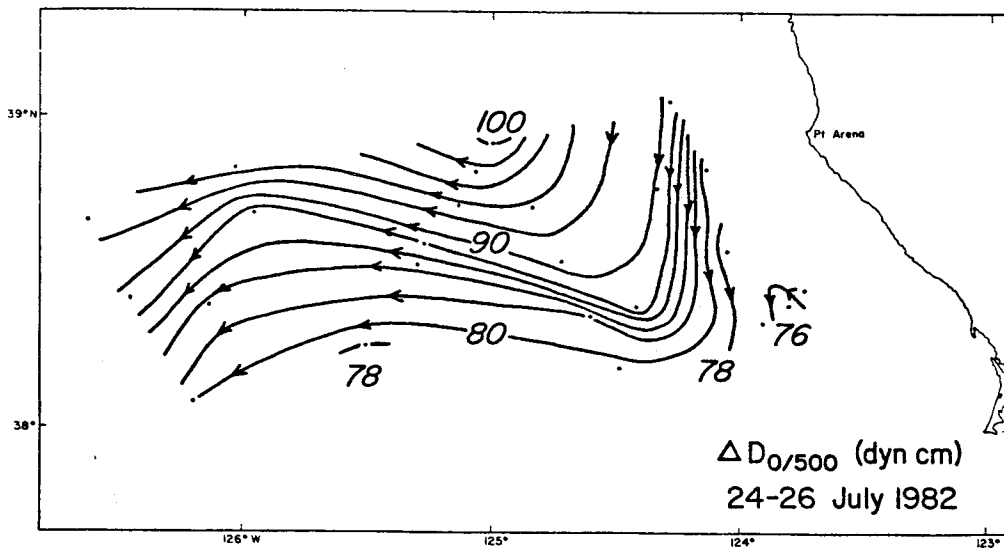


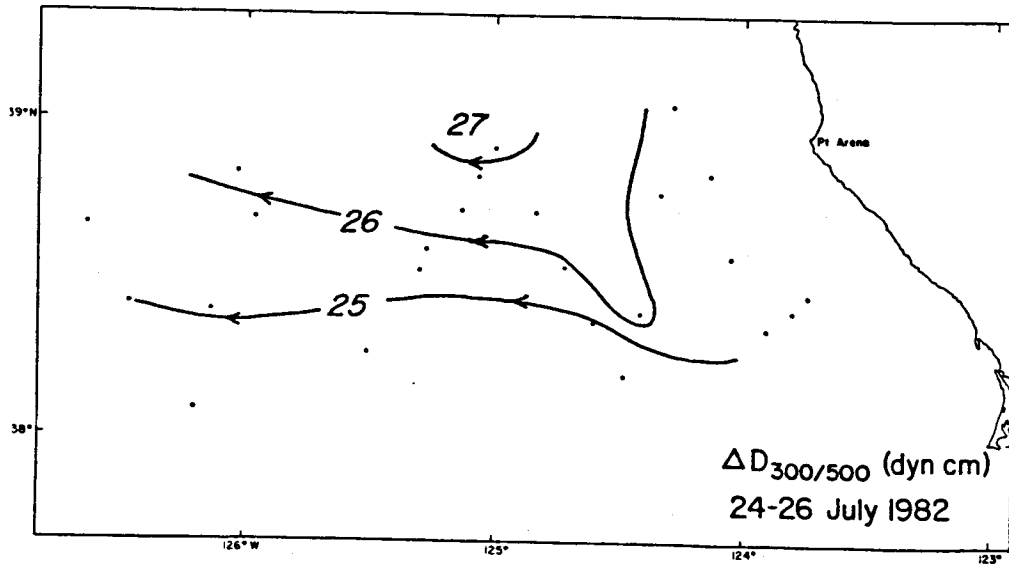
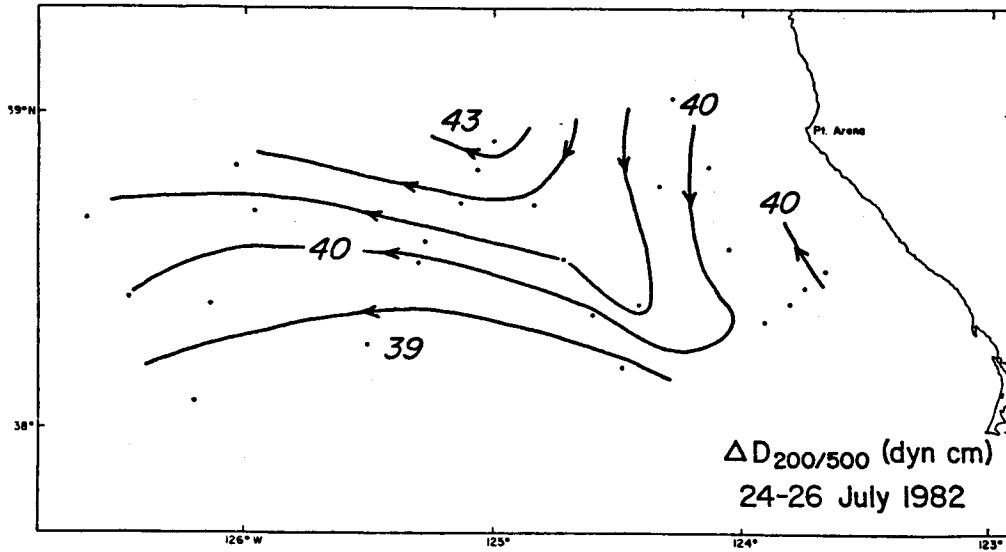
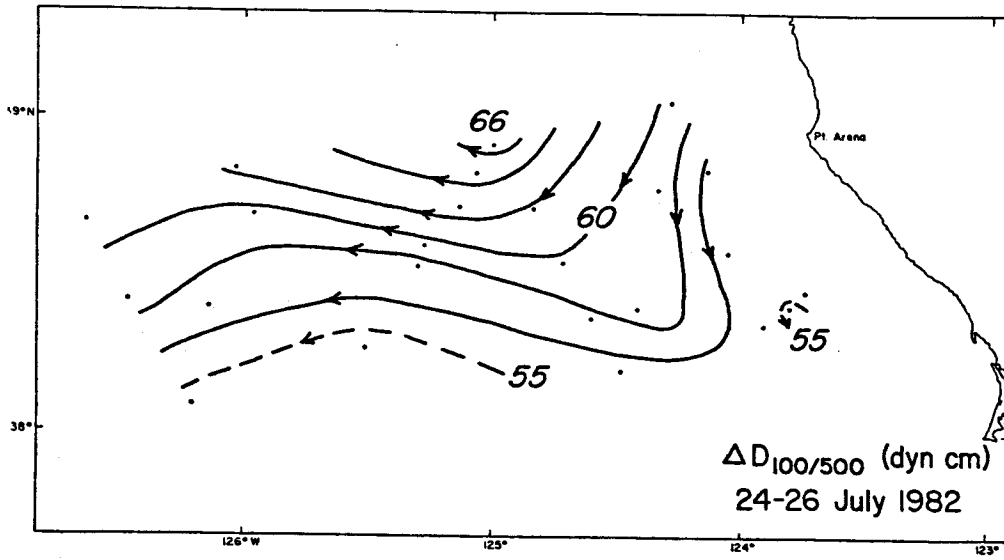


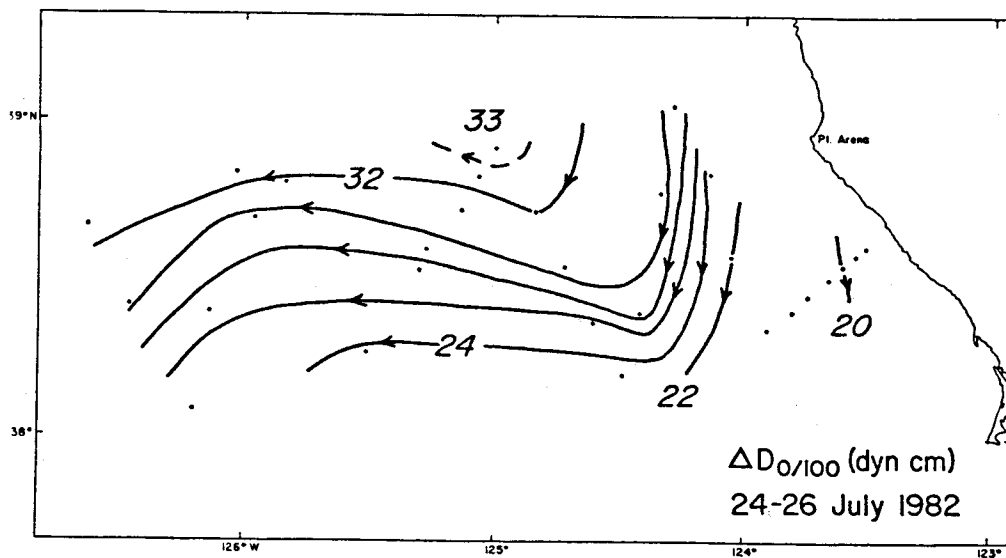
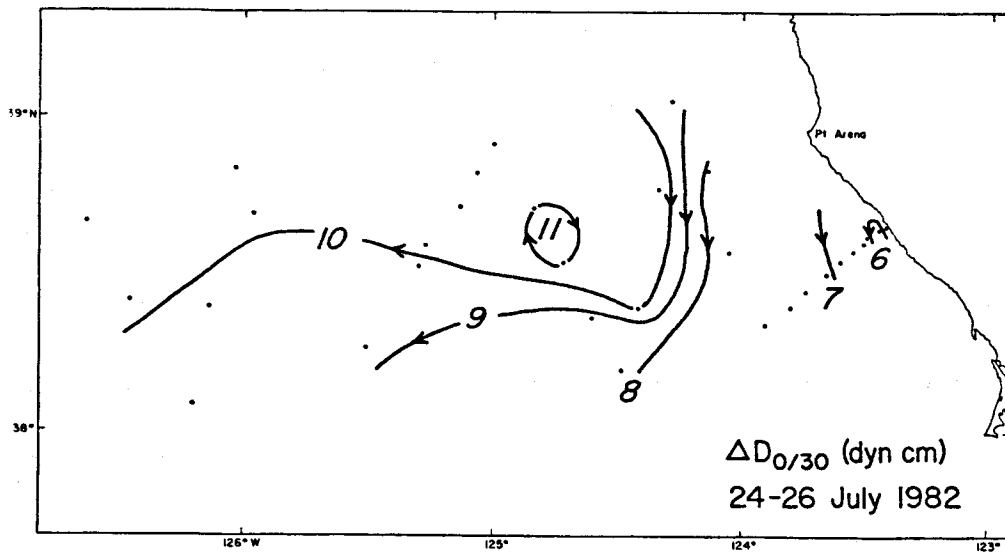




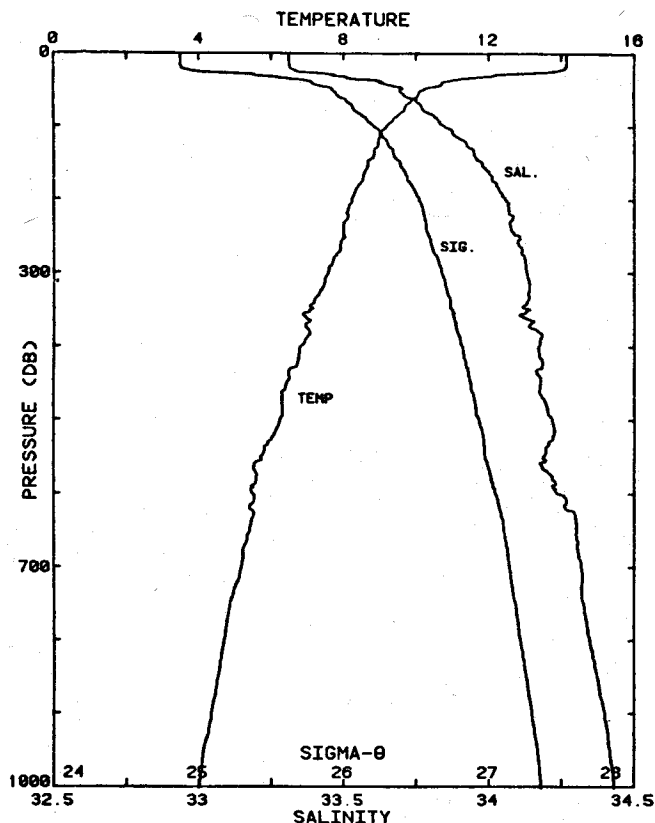








VERTICAL PROFILES AND LISTINGS



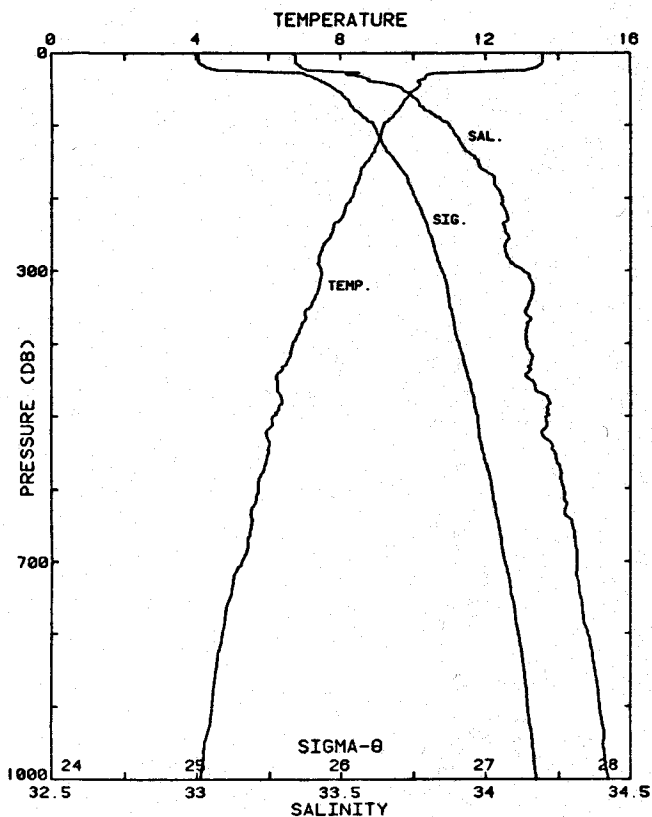
STATION 1 COC 9

STA NO 1 ,COC9 LAT: 38 24.0 N LONG:123 49.2 W
 15 JUL 1982 0427 GHT PROBE 2567 DEPTH 1710H
 46.0 KM FROM SHORE

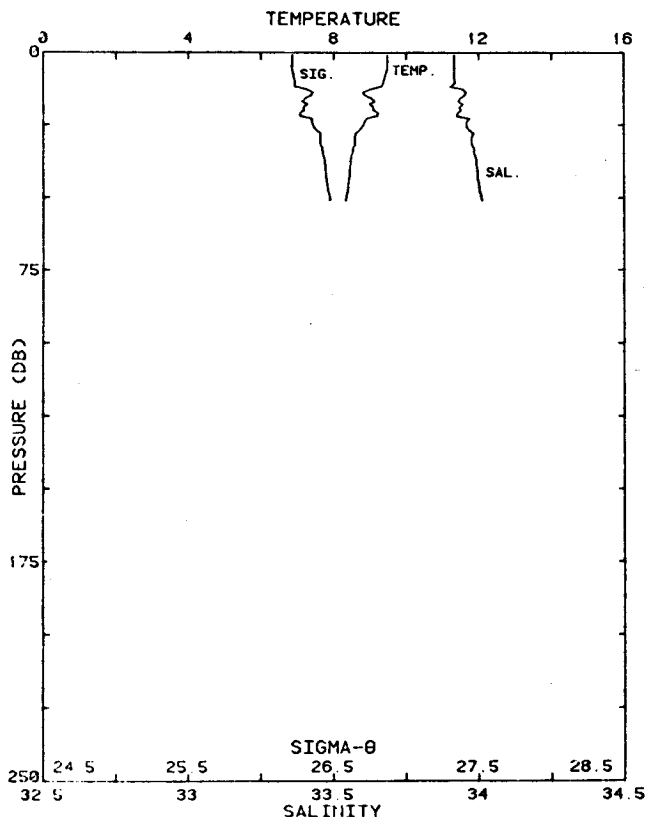
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	14.149	33.311	14.149	24.872	308.9	0.006
10	14.150	33.311	14.149	24.871	309.2	0.031
20	14.128	33.314	14.125	24.878	308.8	0.062
30	12.189	33.467	12.185	25.384	261.0	0.091
40	10.733	33.635	10.728	25.781	223.3	0.116
50	10.232	33.700	10.226	25.919	210.4	0.138
60	10.038	33.716	10.031	25.964	206.3	0.159
70	9.772	33.764	9.765	26.047	198.6	0.179
80	9.618	33.783	9.609	26.088	195.0	0.198
90	9.380	33.825	9.370	26.159	188.4	0.218
100	9.189	33.850	9.178	26.210	183.7	0.236
110	8.984	33.877	8.972	26.261	178.7	0.254
120	8.959	33.919	8.946	26.301	175.4	0.272
130	8.865	33.942	8.852	26.334	172.5	0.289
140	8.821	33.951	8.807	26.348	171.4	0.307
150	8.667	33.976	8.651	26.392	167.3	0.324
175	8.502	34.016	8.484	26.449	162.4	0.365
200	8.225	34.058	8.205	26.524	155.6	0.404
225	8.099	34.083	8.076	26.563	152.4	0.443
250	8.025	34.107	8.000	26.593	149.9	0.481
300	7.572	34.132	7.543	26.679	142.4	0.554
400	6.806	34.171	6.770	26.819	130.2	0.690
500	6.235	34.219	6.191	26.933	120.4	0.816
600	5.464	34.238	5.414	27.044	110.2	0.931
800	4.711	34.348	4.647	27.220	94.8	1.135
1000	4.013	34.432	3.937	27.362	82.0	1.311
1002	4.013	34.432	3.937	27.363	82.0	1.312

STA NO 2 ,COC8 LAT: 38 27.1 N LONG:123 44.5 W
 15 JUL 1982 0613 GHT PROBE 2567 DEPTH 1274H
 37.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	13.567	33.335	13.567	25.010	295.8	0.006
10	13.566	33.344	13.565	25.017	295.3	0.030
20	13.413	33.360	13.410	25.061	291.5	0.059
30	10.462	33.532	10.458	25.748	226.2	0.086
40	10.091	33.596	10.086	25.862	215.6	0.108
50	10.099	33.710	10.094	25.950	207.5	0.129
60	9.871	33.744	9.864	26.014	201.6	0.149
70	9.719	33.769	9.711	26.059	197.5	0.169
80	9.600	33.790	9.591	26.096	194.2	0.189
90	9.414	33.840	9.404	26.166	187.7	0.208
100	9.188	33.875	9.177	26.230	181.8	0.226
110	9.128	33.891	9.116	26.252	179.9	0.245
120	9.052	33.908	9.039	26.278	177.7	0.262
130	8.964	33.922	8.950	26.303	175.5	0.280
140	8.861	33.946	8.846	26.338	172.3	0.298
150	8.761	33.975	8.745	26.376	168.9	0.315
175	8.495	34.031	8.477	26.461	161.2	0.356
200	8.274	34.058	8.254	26.517	156.3	0.395
225	8.036	34.073	8.013	26.565	152.1	0.434
250	7.712	34.070	7.688	26.610	148.1	0.472
300	7.431	34.127	7.402	26.696	140.7	0.544
400	6.642	34.138	6.606	26.815	130.5	0.679
500	6.088	34.212	6.044	26.946	119.0	0.804
600	5.684	34.268	5.633	27.041	110.8	0.920
800	4.721	34.350	4.657	27.221	94.8	1.125
1000	4.094	34.421	4.018	27.346	83.8	1.303
1001	4.094	34.421	4.017	27.346	83.7	1.304



STATION 2 COC 8



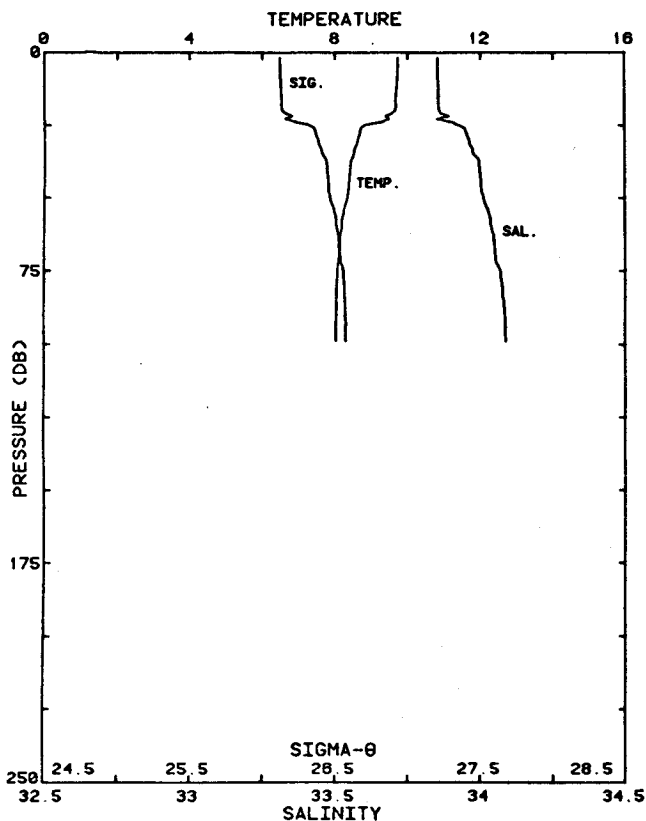
STATION 3 AR 1

STA NO 3 ,AR1 LAT: 38 56.9 N LONG:123 46.1 W
 15 JUL 1982 1602 GMT PROBE 2567 DEPTH 58M
 2.4 KM FROM SHORE

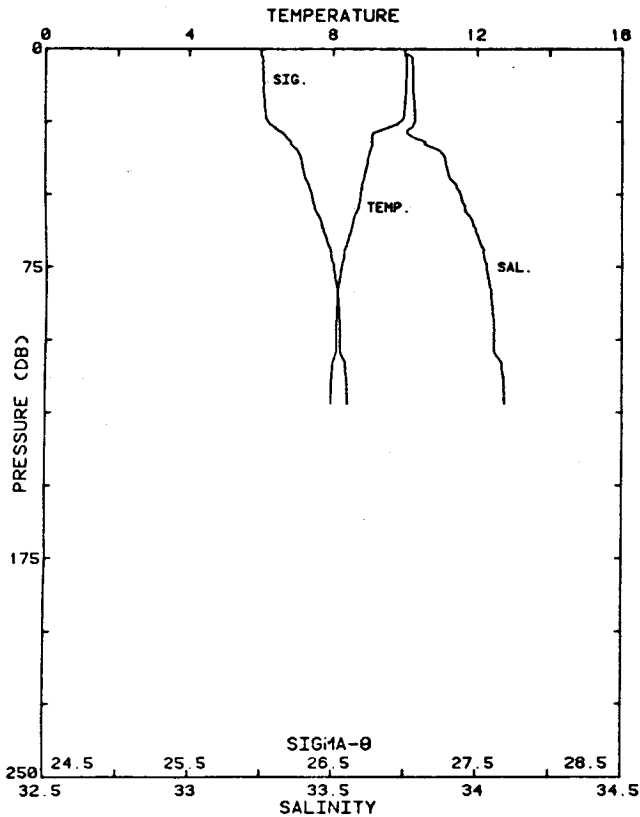
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.482	33.916	9.482	26.212	181.5	0.002
10	9.370	33.917	9.369	26.231	179.9	0.018
20	9.091	33.937	9.089	26.292	174.3	0.036
30	8.570	33.974	8.567	26.403	163.9	0.052
40	8.429	33.994	8.425	26.440	160.5	0.069
50	8.321	34.009	8.316	26.469	158.0	0.085
51	8.311	34.010	8.305	26.471	157.8	0.086

STA NO 4 ,AR2 LAT: 38 55.8 N LONG:123 49.3 W
 15 JUL 1982 1650 GMT PROBE 2567 DEPTH 107M
 7.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	9.730	33.853	9.730	26.122	190.1	0.004
10	9.711	33.855	9.710	26.127	189.8	0.019
20	9.664	33.859	9.662	26.138	188.9	0.038
30	8.624	33.961	8.621	26.385	165.6	0.055
40	8.411	33.997	8.407	26.446	160.0	0.072
50	8.338	34.011	8.333	26.468	158.1	0.088
60	8.181	34.037	8.175	26.512	154.1	0.103
70	8.095	34.052	8.088	26.537	151.9	0.119
80	8.038	34.074	8.030	26.563	149.6	0.134
90	8.032	34.084	8.023	26.572	148.9	0.149
99	8.020	34.087	8.010	26.576	148.7	0.162



STATION 4 AR 2

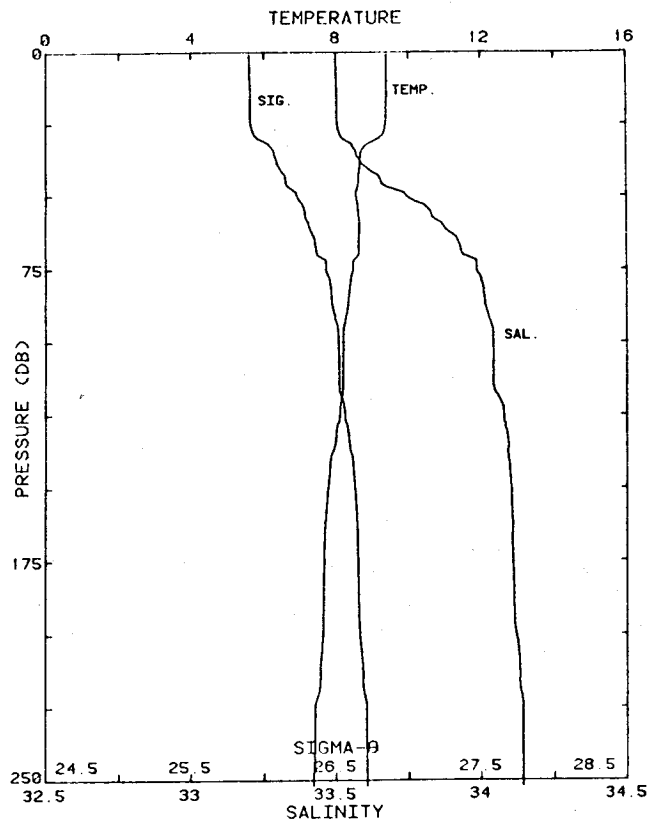


STA NO 5 ,AR3 LAT: 38 54.9 N LONG:123 52.6 W
 15 JUL 1982 1729 GMT PROBE 2567 DEPTH 133M
 12.5 KM FROM SHORE

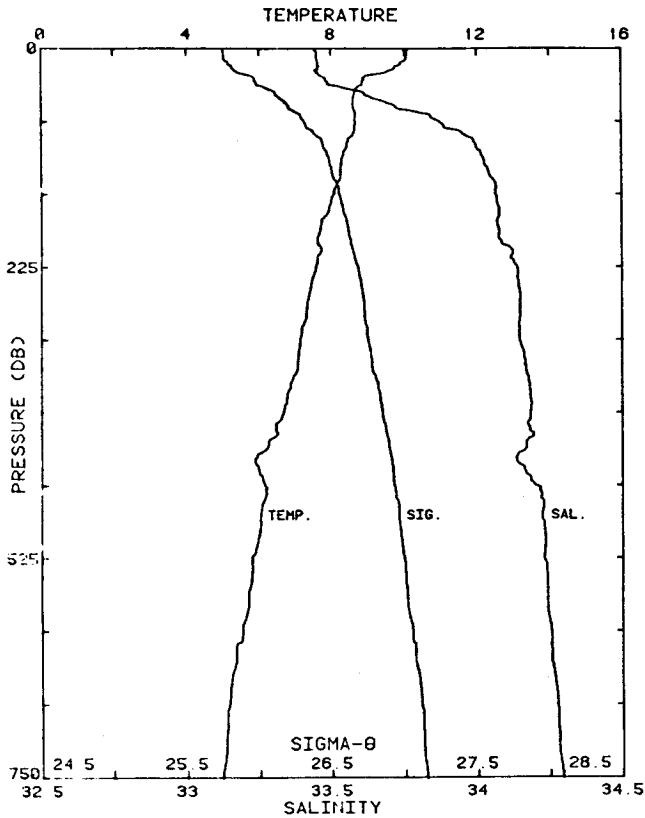
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
2	10.054	33.762	10.054	25.996	202.0	0.004
10	10.035	33.778	10.033	26.012	200.6	0.020
20	9.990	33.783	9.988	26.024	199.7	0.040
30	9.063	33.771	9.060	26.167	186.3	0.060
40	8.929	33.892	8.925	26.283	175.5	0.078
50	8.760	33.943	8.755	26.350	169.4	0.095
60	8.541	33.986	8.535	26.418	163.1	0.112
70	8.295	34.020	8.287	26.482	157.1	0.128
80	8.158	34.041	8.150	26.519	153.8	0.143
90	8.088	34.053	8.079	26.539	152.1	0.158
100	8.071	34.059	8.061	26.547	151.5	0.174
110	7.965	34.086	7.954	26.584	148.2	0.189
120	7.923	34.093	7.911	26.596	147.2	0.203
122	7.917	34.094	7.905	26.597	147.2	0.206

STA NO 6 ,AR4 LAT: 38 53.9 N LONG:123 55.8 W
 15 JUL 1982 1821 GMT PROBE 2567 DEPTH 275M
 17.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	9.403	33.499	9.403	25.900	211.1	0.002
10	9.397	33.501	9.396	25.902	211.1	0.021
20	9.384	33.502	9.381	25.905	211.0	0.042
30	9.163	33.521	9.160	25.956	206.4	0.063
40	8.642	33.602	8.638	26.101	192.8	0.083
50	8.537	33.742	8.532	26.227	181.0	0.102
60	8.634	33.870	8.628	26.313	173.1	0.119
70	8.604	33.937	8.597	26.370	167.8	0.136
80	8.376	34.002	8.368	26.456	159.8	0.153
90	8.284	34.022	8.275	26.486	157.1	0.168
100	8.185	34.040	8.175	26.514	154.6	0.184
110	8.176	34.041	8.165	26.517	154.6	0.199
120	8.119	34.065	8.107	26.544	152.2	0.215
130	7.994	34.085	7.981	26.579	149.0	0.230
140	7.833	34.092	7.820	26.609	146.4	0.245
150	7.764	34.101	7.749	26.626	144.9	0.259
175	7.651	34.108	7.634	26.648	143.2	0.295
200	7.621	34.118	7.602	26.660	142.4	0.331
225	7.416	34.140	7.394	26.708	138.3	0.366
250	7.373	34.142	7.349	26.715	138.0	0.401
252	7.376	34.142	7.352	26.715	138.0	0.403



STATION 6 AR 4



STATION 7 AR 5

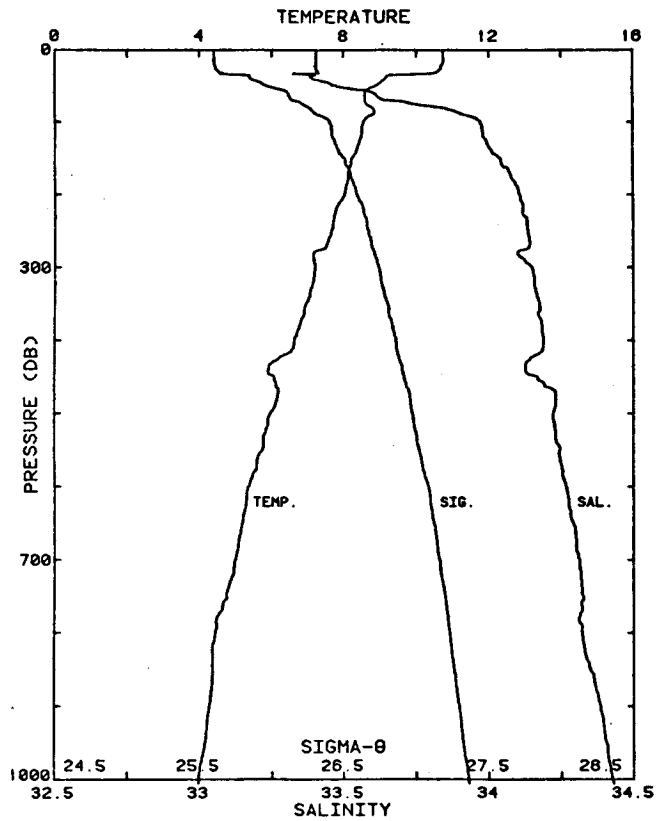
STA NO 7 AR5 LAT: 38 52.9 N LONG:123 59.1 W
 15 JUL 1982 1904 GMT PROBE 2567 DEPTH 785M
 22.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.073	33.443	10.073	25.745	225.9	0.005
10	10.057	33.450	10.056	25.753	225.3	0.023
20	9.727	33.454	9.725	25.812	219.9	0.045
30	8.875	33.473	8.871	25.964	205.6	0.066
40	8.706	33.536	8.702	26.040	198.6	0.087
50	8.602	33.638	8.597	26.136	189.7	0.106
60	8.604	33.722	8.598	26.202	183.6	0.125
70	8.650	33.842	8.642	26.288	175.6	0.143
80	8.646	33.887	8.637	26.324	172.4	0.160
90	8.561	33.964	8.552	26.398	165.6	0.177
100	8.419	33.996	8.408	26.444	161.3	0.193
110	8.324	34.015	8.313	26.474	158.6	0.209
120	8.273	34.027	8.261	26.491	157.2	0.225
130	8.248	34.043	8.235	26.508	155.8	0.240
140	8.146	34.064	8.132	26.540	152.9	0.256
150	8.053	34.063	8.038	26.553	151.9	0.271
175	7.755	34.071	7.738	26.603	147.4	0.309
200	7.621	34.086	7.602	26.635	144.8	0.345
225	7.564	34.139	7.542	26.685	140.5	0.381
250	7.400	34.147	7.376	26.715	138.0	0.416
300	7.131	34.146	7.103	26.753	135.1	0.484
400	6.421	34.189	6.385	26.884	123.7	0.613
500	5.992	34.233	5.949	26.975	116.1	0.733
600	5.503	34.254	5.453	27.053	109.5	0.846
751	4.951	34.295	4.891	27.150	101.3	1.004

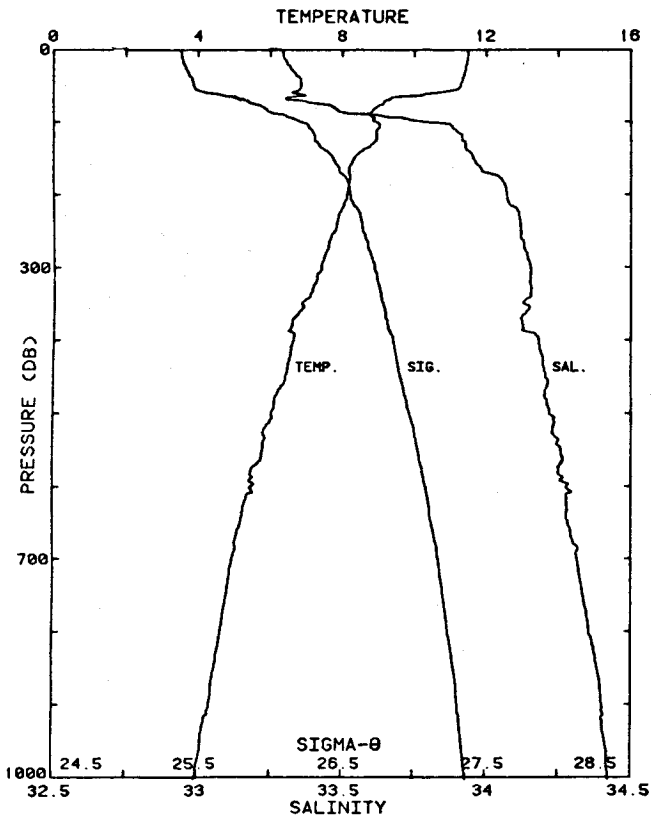
STA NO 8 AR6 LAT: 38 51.9 N LONG:124 2.3 W
 15 JUL 1982 2026 GMT PROBE 2567 DEPTH 1476M
 27.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.753	33.406	10.753	25.599	239.7	0.002
10	10.740	33.407	10.739	25.602	239.6	0.024
20	10.726	33.408	10.724	25.605	239.5	0.048
30	10.582	33.413	10.578	25.635	237.0	0.072
40	9.153	33.392	9.149	25.857	215.9	0.094
50	8.891	33.475	8.886	25.964	206.0	0.116
60	8.586	33.604	8.580	26.111	192.1	0.135
70	8.592	33.638	8.584	26.138	189.8	0.154
80	8.795	33.832	8.786	26.258	178.7	0.173
90	8.812	33.909	8.802	26.316	173.4	0.190
100	8.545	33.971	8.535	26.406	165.0	0.207
110	8.506	33.978	8.495	26.417	164.1	0.224
120	8.493	33.981	8.481	26.422	163.8	0.240
130	8.429	33.993	8.416	26.441	162.2	0.256
140	8.353	34.011	8.339	26.467	159.9	0.272
150	8.230	34.040	8.215	26.509	156.1	0.288
175	8.129	34.078	8.112	26.554	152.3	0.327
200	8.037	34.106	8.017	26.590	149.3	0.364
225	7.771	34.117	7.749	26.638	145.1	0.401
250	7.652	34.135	7.628	26.670	142.5	0.437
300	7.207	34.148	7.178	26.744	136.0	0.507
400	6.610	34.188	6.574	26.858	126.4	0.638
500	5.947	34.221	5.903	26.971	116.5	0.760
600	5.351	34.268	5.301	27.082	106.6	0.872
800	4.444	34.322	4.382	27.228	93.5	1.071
1000	3.986	34.426	3.910	27.360	82.1	1.247
1006	3.970	34.430	3.894	27.365	81.7	1.252

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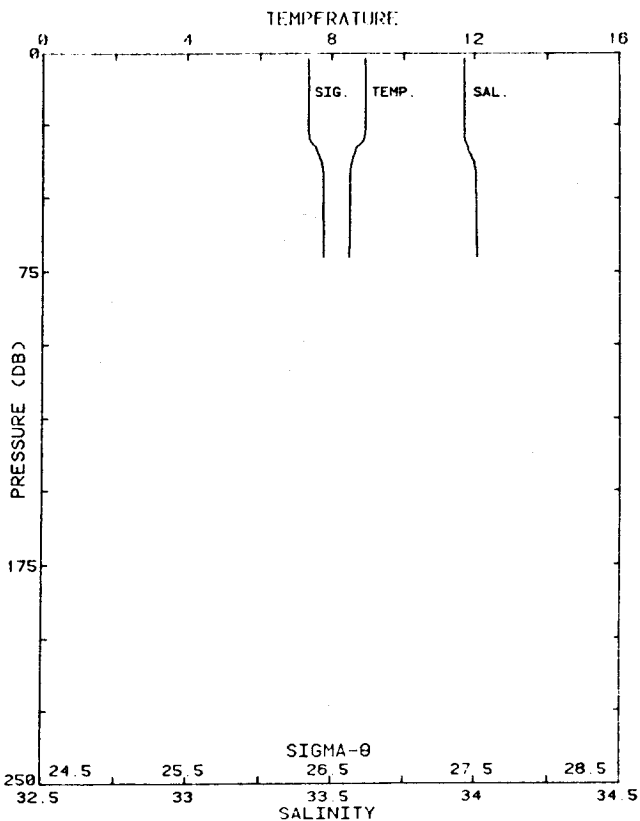
STATION 8 AR 6



STATION 9 AR 7

STA NO 9 ,AR7 LAT: 38 50.2 N LONG:124 8.1 W
 15 JUL 1982 2209 GMT PROBE 2567 DEPTH 2330M
 36.4 KM FROM SHORE

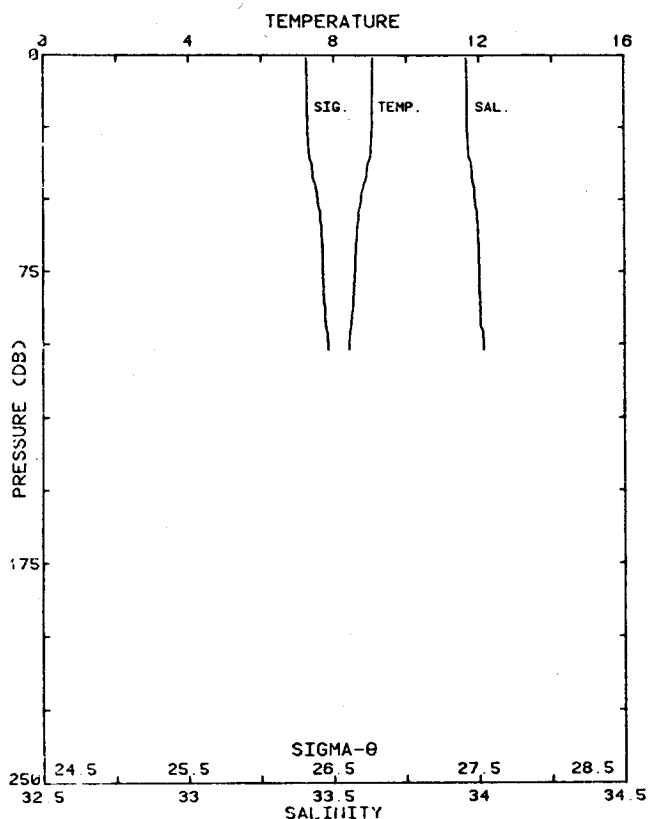
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.482	33.293	11.482	25.380	260.5	0.003
10	11.475	33.294	11.474	25.383	260.5	0.026
20	11.447	33.306	11.445	25.397	259.3	0.052
30	11.405	33.324	11.401	25.419	257.5	0.078
40	11.333	33.351	11.328	25.454	254.5	0.103
50	11.277	33.355	11.271	25.466	253.5	0.129
60	10.698	33.321	10.691	25.544	246.3	0.154
70	9.304	33.306	9.296	25.766	225.2	0.177
80	8.938	33.470	8.930	25.952	207.7	0.199
90	8.698	33.575	8.688	26.072	196.4	0.219
100	8.885	33.774	8.875	26.199	184.7	0.238
110	8.997	33.884	8.985	26.267	178.5	0.256
120	8.937	33.915	8.924	26.301	175.4	0.274
130	8.846	33.927	8.833	26.325	173.3	0.291
140	8.561	33.930	8.547	26.372	169.0	0.308
150	8.308	33.954	8.292	26.430	163.6	0.325
175	8.201	34.038	8.183	26.512	156.3	0.365
200	8.105	34.070	8.085	26.552	152.9	0.404
225	7.895	34.112	7.873	26.616	147.2	0.441
250	7.780	34.118	7.756	26.638	145.6	0.478
300	7.395	34.153	7.366	26.721	138.3	0.549
400	6.614	34.182	6.578	26.853	126.9	0.682
500	5.987	34.219	5.944	26.964	117.1	0.804
600	5.466	34.279	5.416	27.077	107.2	0.916
800	4.625	34.359	4.562	27.238	93.0	1.115
1000	3.924	34.423	3.849	27.365	81.6	1.289
1003	3.918	34.424	3.843	27.366	81.5	1.291



STATION 10 COC 2

STA NO 10 ,COC2 LAT: 38 38.9 N LONG:123 26.7 W
 16 JUL 1982 1015 GMT PROBE 2567 DEPTH 74M
 3.3 KM FROM SHORE

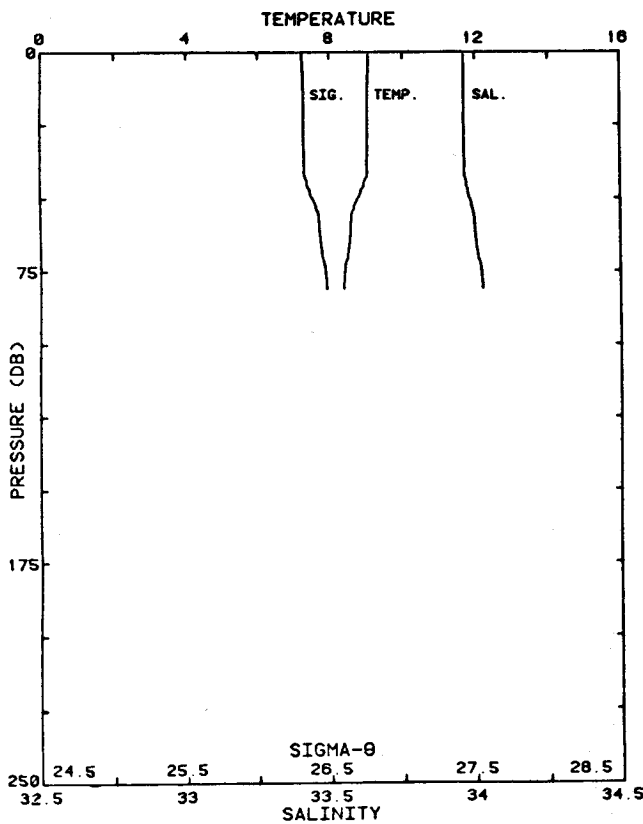
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	8.934	33.965	8.934	26.338	169.5	0.003
10	8.933	33.964	8.932	26.338	169.7	0.017
20	8.937	33.964	8.934	26.338	169.9	0.034
30	8.899	33.964	8.896	26.344	169.6	0.051
40	8.507	34.000	8.503	26.433	161.2	0.067
50	8.489	34.003	8.484	26.439	160.9	0.083
60	8.487	34.005	8.481	26.441	160.9	0.100
70	8.483	34.007	8.476	26.443	160.9	0.116



STATION 11 COC 4

STA NO 11 ,COC4 LAT: 38 36.2 N LONG:123 30.8 W
 16 JUL 1982 1607 GNT PROBE 2567 DEPTH 113M
 11.1 KM FROM SHORE

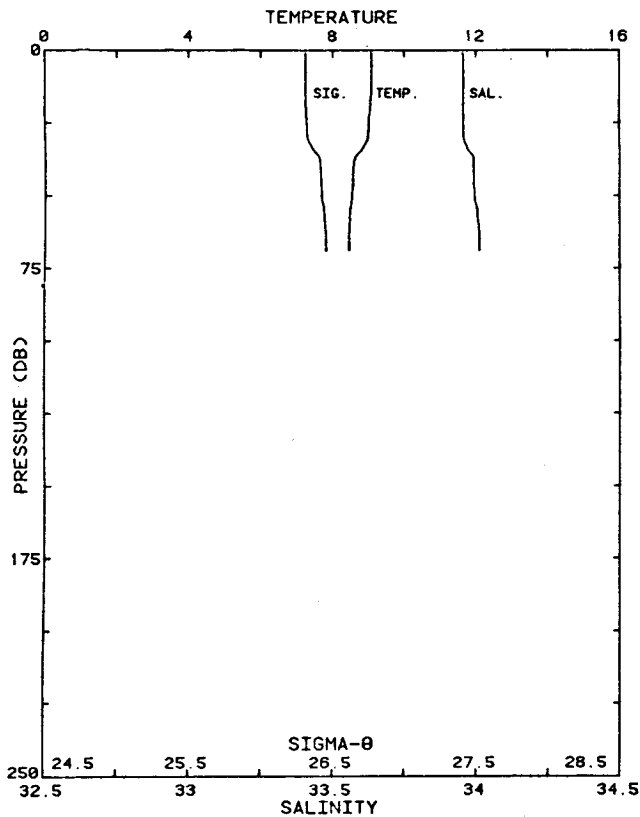
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
1	9.079	33.955	9.079	26.308	172.4	0.002
10	9.056	33.960	9.055	26.315	171.8	0.017
20	9.052	33.960	9.050	26.316	172.0	0.034
30	9.022	33.963	9.018	26.323	171.5	0.052
40	8.905	33.975	8.901	26.351	169.0	0.069
50	8.742	33.987	8.737	26.387	165.8	0.085
60	8.627	33.997	8.620	26.413	163.6	0.102
70	8.583	34.000	8.575	26.422	162.9	0.118
80	8.553	34.001	8.545	26.428	162.5	0.134
90	8.490	34.005	8.481	26.440	161.5	0.151
100	8.415	34.015	8.405	26.460	159.8	0.167
102	8.413	34.015	8.403	26.460	159.9	0.170



STATION 12 COC 3

STA NO 12 ,COC3 LAT: 38 37.5 N LONG:123 28.9 W
 16 JUL 1982 1641 GMT PROBE 2567 DEPTH 93M
 7.4 KM FROM SHORE

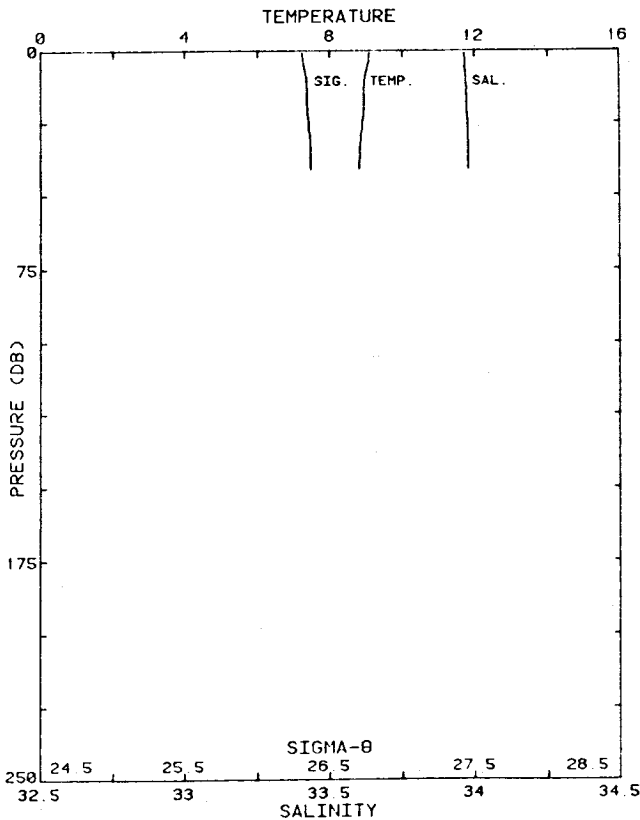
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
1	9.077	33.961	9.077	26.313	171.9	0.002
10	9.049	33.962	9.048	26.318	171.6	0.017
20	9.037	33.963	9.035	26.321	171.5	0.034
30	9.035	33.963	9.032	26.322	171.6	0.051
40	9.030	33.963	9.026	26.323	171.7	0.069
50	8.773	33.981	8.768	26.378	166.7	0.086
60	8.557	33.998	8.551	26.424	162.5	0.102
70	8.472	34.009	8.465	26.446	160.6	0.118
80	8.366	34.023	8.358	26.474	158.1	0.134
81	8.364	34.023	8.356	26.474	158.1	0.136



STATION 13 COC 2

STA NO 13 ,COC2 LAT: 38 38.8 N LONG:123 26.9 W
 16 JUL 1982 1714 GMT PROBE 2567 DEPTH 78M
 3.7 KM FROM SHORE

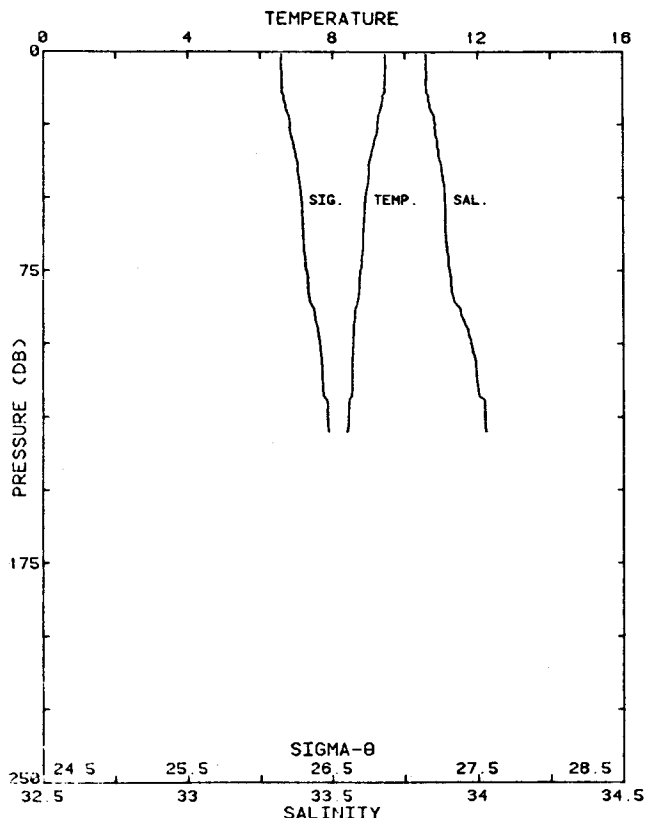
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.076	33.954	9.076	26.307	172.4	0.002
10	9.084	33.957	9.083	26.309	172.5	0.017
20	9.054	33.957	9.052	26.314	172.2	0.034
30	8.992	33.957	8.989	26.324	171.4	0.052
40	8.585	33.990	8.581	26.414	163.1	0.068
50	8.544	33.995	8.539	26.424	162.4	0.085
60	8.468	34.009	8.461	26.446	160.4	0.101
69	8.452	34.011	8.445	26.451	160.1	0.115



STATION 14 COC 1

STA NO 14 ,COC1 LAT: 38 39.8 N LONG:123 25.5 W
 16 JUL 1982 1742 GMT PROBE 2567 DEPTH 49M
 0.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.095	33.965	9.095	26.313	171.9	0.002
10	8.956	33.970	8.955	26.339	169.6	0.017
20	8.934	33.972	8.932	26.345	169.2	0.034
30	8.850	33.976	8.847	26.361	167.9	0.051
40	8.802	33.977	8.798	26.370	167.3	0.068
41	8.800	33.978	8.795	26.370	167.2	0.069



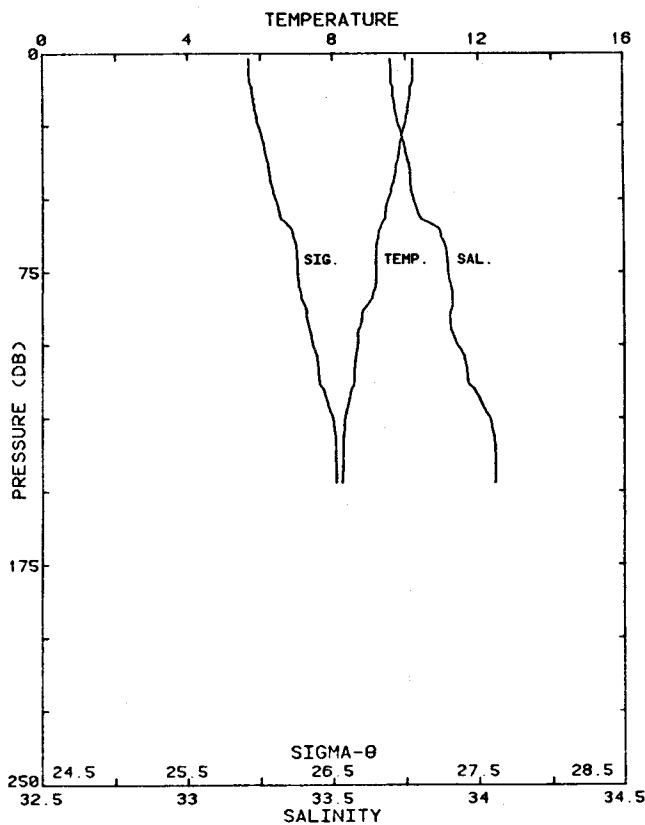
STATION 15 COC 5

STA NO 15 ,COC5 LAT: 38 34.5 N LONG:123 33.4 W
 16 JUL 1982 1851 GMT PROBE 2567 DEPTH 138M
 16.0 KM FROM SHORE

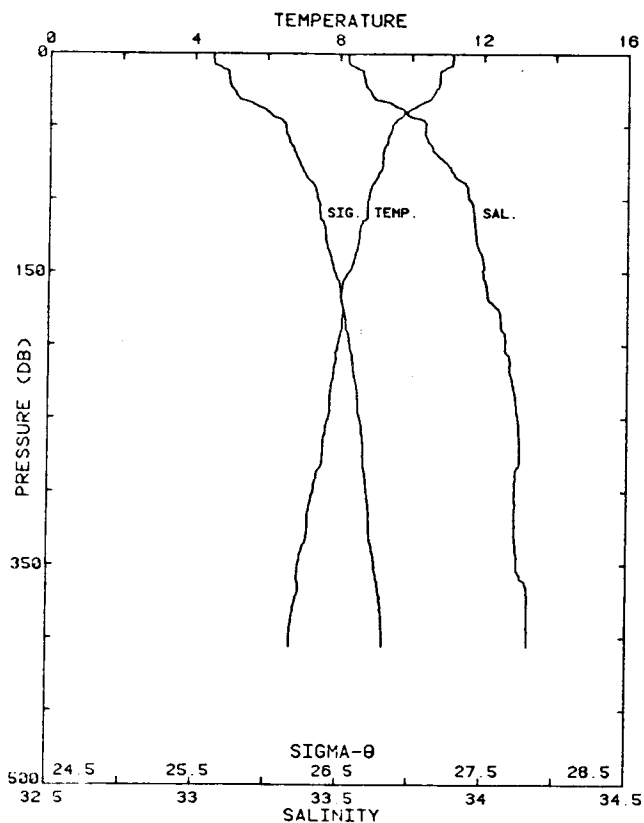
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
			TEMP	THETA		
1	9.453	33.823	9.453	26.145	187.9	0.002
10	9.445	33.822	9.443	26.145	188.0	0.019
20	9.309	33.841	9.307	26.182	184.7	0.037
30	9.157	33.859	9.153	26.221	181.2	0.056
40	9.000	33.875	8.996	26.259	177.8	0.074
50	8.900	33.887	8.895	26.284	175.7	0.091
60	8.843	33.889	8.837	26.294	174.8	0.109
70	8.801	33.899	8.794	26.309	173.6	0.126
80	8.730	33.909	8.722	26.329	171.9	0.144
90	8.606	33.943	8.596	26.374	167.8	0.161
100	8.555	33.976	8.544	26.408	164.7	0.177
110	8.529	33.994	8.518	26.426	163.2	0.194
120	8.438	34.023	8.425	26.463	159.9	0.210
130	8.395	34.027	8.381	26.473	159.2	0.226

STA NO 16 ,COC6 LAT: 38 32.6 N LONG:123 36.2 W
 16 JUL 1982 1932 GMT PROBE 2567 DEPTH 151M
 21.3 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
			TEMP	THETA		
2	10.205	33.698	10.205	25.921	209.1	0.004
10	10.198	33.699	10.196	25.923	209.1	0.021
20	10.049	33.713	10.047	25.960	205.8	0.042
30	9.867	33.740	9.864	26.012	201.1	0.062
40	9.720	33.764	9.715	26.055	197.2	0.082
50	9.510	33.775	9.505	26.098	193.3	0.101
60	9.279	33.861	9.273	26.203	183.5	0.120
70	9.154	33.890	9.147	26.246	179.6	0.139
80	9.137	33.902	9.128	26.259	178.6	0.156
90	8.771	33.898	8.761	26.313	173.6	0.174
100	8.637	33.923	8.627	26.354	169.9	0.191
110	8.550	33.959	8.538	26.395	166.2	0.208
120	8.393	34.007	8.381	26.458	160.4	0.224
130	8.271	34.046	8.258	26.507	155.9	0.240
140	8.247	34.053	8.233	26.516	155.2	0.256
147	8.230	34.052	8.215	26.518	155.2	0.267



STATION 16 COC 6



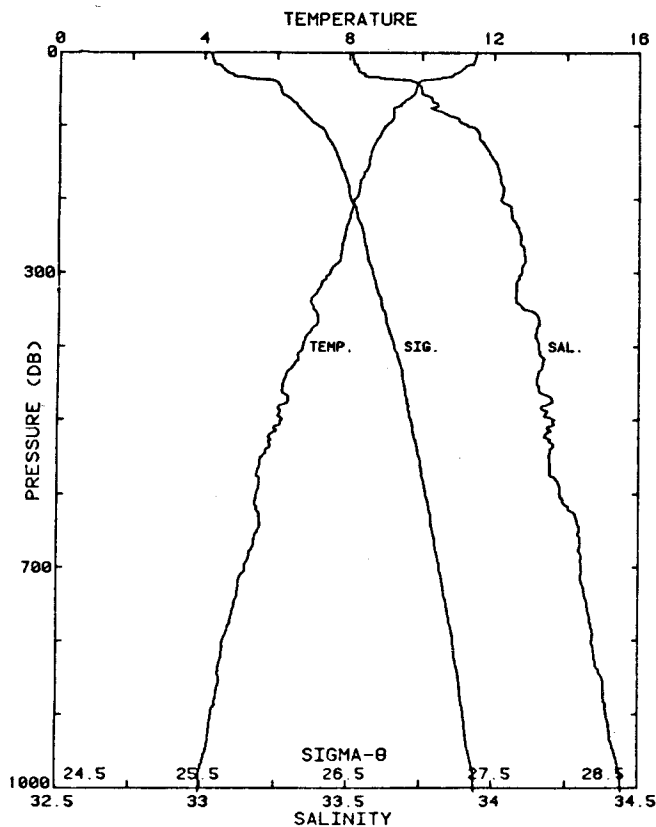
STATION 17 COC 7

STA NO 17 ,COC7 LAT: 38 30.3 N LONG:123 39.6 W
 16 JUL 1982 2017 GNT PROBE 2567 DEPTH 420M
 27.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	11.126	33.528	11.126	25.627	237.0	0.002
10	10.926	33.555	10.924	25.684	231.8	0.024
20	10.759	33.587	10.757	25.739	226.9	0.046
30	10.560	33.615	10.557	25.796	221.6	0.069
40	9.871	33.728	9.866	26.002	202.2	0.090
50	9.453	33.798	9.447	26.126	190.7	0.110
60	9.332	33.806	9.326	26.152	188.4	0.129
70	9.199	33.840	9.192	26.200	184.0	0.147
80	9.159	33.887	9.151	26.244	180.1	0.165
90	8.923	33.938	8.914	26.321	172.9	0.183
100	8.803	33.951	8.793	26.350	170.3	0.200
110	8.787	33.968	8.776	26.366	169.1	0.217
120	8.575	33.971	8.562	26.401	165.8	0.234
130	8.534	33.977	8.520	26.413	164.9	0.251
140	8.431	33.996	8.417	26.444	162.1	0.267
150	8.271	33.998	8.256	26.470	159.8	0.283
175	8.131	34.052	8.113	26.533	154.2	0.322
200	7.967	34.078	7.947	26.578	150.4	0.360
225	7.814	34.102	7.792	26.620	146.8	0.397
250	7.724	34.123	7.700	26.650	144.3	0.434
300	7.317	34.114	7.288	26.702	140.1	0.505
400	6.715	34.161	6.679	26.823	129.8	0.639
406	6.710	34.161	6.673	26.823	129.8	0.647

STA NO 18 ,COC8 LAT: 38 27.1 N LONG:123 44.5 W
 16 JUL 1982 2134 GNT PROBE 2567 DEPTH 1226M
 37.1 KM FROM SHORE

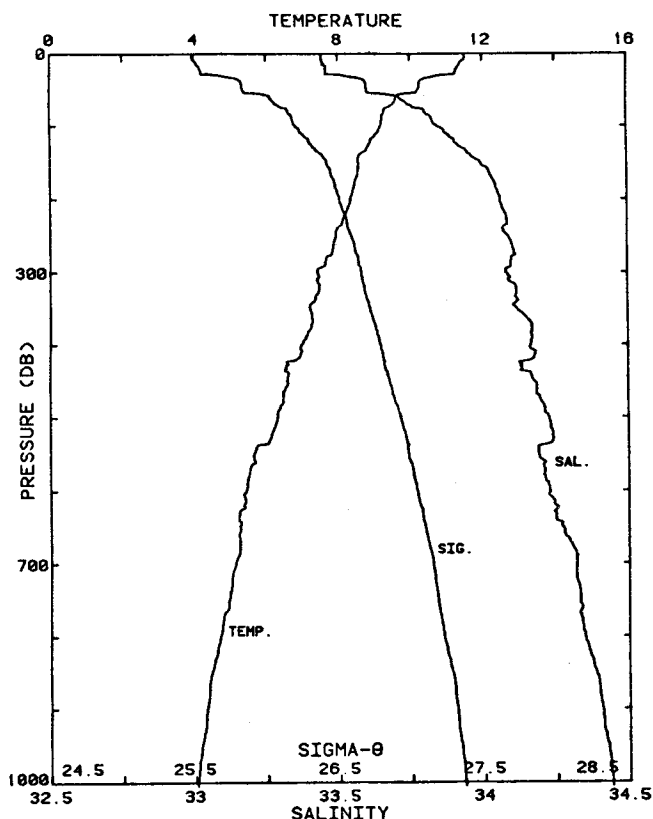
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	11.495	33.504	11.495	25.541	245.2	0.002
10	11.457	33.511	11.456	25.554	244.2	0.024
20	11.171	33.525	11.169	25.617	238.4	0.049
30	10.857	33.554	10.853	25.696	231.1	0.072
40	9.898	33.727	9.893	25.997	202.8	0.094
50	9.826	33.747	9.820	26.024	200.4	0.114
60	9.709	33.772	9.703	26.063	196.9	0.134
70	9.429	33.803	9.422	26.134	190.4	0.154
80	9.218	33.808	9.209	26.172	186.9	0.172
90	9.210	33.873	9.200	26.224	182.2	0.191
100	9.016	33.908	9.005	26.283	176.7	0.209
110	8.880	33.946	8.868	26.335	172.0	0.226
120	8.749	33.954	8.737	26.361	169.7	0.243
130	8.641	33.972	8.628	26.392	166.9	0.260
140	8.590	33.986	8.576	26.411	165.3	0.277
150	8.540	34.003	8.524	26.432	163.4	0.293
175	8.302	34.021	8.284	26.483	159.0	0.334
200	8.167	34.024	8.146	26.507	157.2	0.373
225	8.024	34.061	8.001	26.557	152.8	0.412
250	7.879	34.093	7.855	26.603	148.8	0.449
300	7.471	34.096	7.442	26.666	143.6	0.523
400	6.729	34.156	6.692	26.817	130.3	0.660
500	6.172	34.211	6.128	26.935	120.2	0.784
600	5.483	34.229	5.433	27.035	111.2	0.900
800	4.580	34.340	4.517	27.228	93.8	1.105
1000	3.941	34.440	3.866	27.377	80.5	1.280
1005	3.937	34.441	3.862	27.378	80.4	1.284



STATION 18 COC 8

STA NO 19 ,COC9 LAT: 38 24.0 N LONG:123 49.1 W
 16 JUL 1982 2301 GHT PROBE 2567 DEPTH 1713M
 45.9 KM FROM SHORE

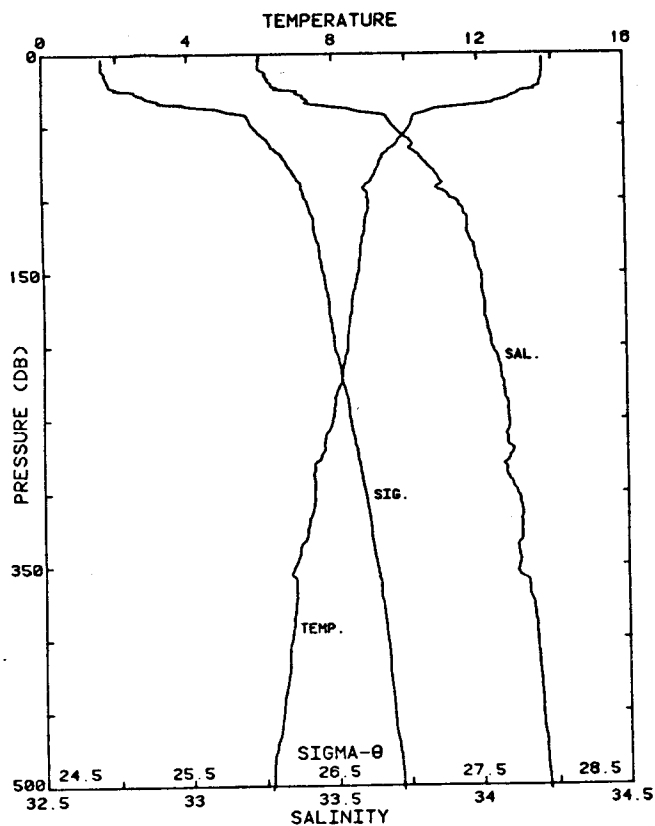
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.511	33.444	11.511	25.492	249.9	0.005
10	11.453	33.447	11.452	25.506	248.8	0.025
20	11.305	33.458	11.302	25.541	245.7	0.050
30	10.875	33.516	10.872	25.664	234.3	0.074
40	10.284	33.596	10.279	25.829	218.7	0.097
50	10.237	33.602	10.232	25.842	217.8	0.118
60	9.625	33.714	9.618	26.032	199.8	0.139
70	9.524	33.746	9.517	26.074	196.0	0.159
80	9.286	33.802	9.278	26.156	188.4	0.178
90	9.224	33.827	9.214	26.186	185.8	0.197
100	9.185	33.846	9.175	26.207	183.9	0.216
110	9.087	33.875	9.075	26.246	180.5	0.234
120	8.906	33.904	8.894	26.297	175.7	0.252
130	8.805	33.928	8.792	26.332	172.6	0.269
140	8.581	33.960	8.566	26.392	167.1	0.286
150	8.562	33.992	8.546	26.421	164.6	0.303
175	8.464	34.039	8.446	26.472	160.1	0.343
200	8.340	34.061	8.320	26.507	157.1	0.383
225	8.149	34.083	8.126	26.555	153.1	0.422
250	7.936	34.085	7.911	26.590	150.2	0.460
300	7.405	34.078	7.376	26.661	144.0	0.533
400	6.980	34.163	6.942	26.788	133.3	0.672
500	6.296	34.226	6.252	26.930	120.7	0.800
600	5.415	34.228	5.365	27.043	110.3	0.915
800	4.683	34.346	4.620	27.221	94.6	1.119
1000	4.046	34.440	3.970	27.366	81.8	1.293
1005	4.041	34.440	3.965	27.366	81.8	1.297



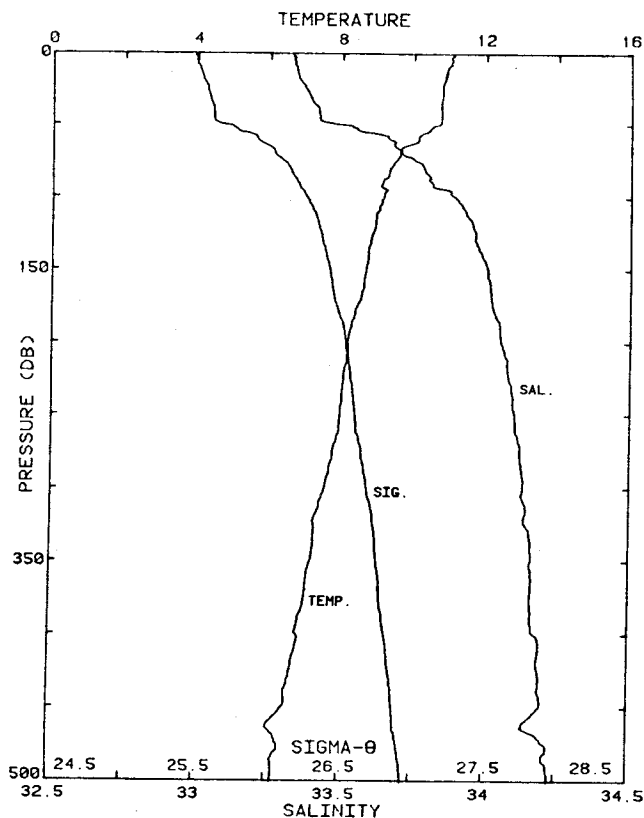
STATION 19 COC 9

STA NO 20 ,NOR10 LAT: 38 27.0 N LONG:124 14.9 W
 17 JUL 1982 0212 GHT PROBE 2567 DEPTH 3591M
 68.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
3	13.763	33.246	13.763	24.901	306.2	0.009
10	13.765	33.245	13.764	24.900	306.5	0.031
20	13.676	33.284	13.673	24.948	302.1	0.061
30	12.854	33.397	12.850	25.201	278.4	0.090
40	10.593	33.591	10.588	25.771	224.2	0.116
50	10.120	33.707	10.114	25.944	208.1	0.137
60	9.774	33.765	9.768	26.047	198.4	0.157
70	9.334	33.797	9.326	26.144	189.3	0.177
80	9.156	33.844	9.148	26.210	183.3	0.196
90	8.857	33.866	8.847	26.275	177.3	0.214
100	8.935	33.918	8.925	26.303	174.8	0.231
110	8.874	33.947	8.862	26.336	171.9	0.249
120	8.808	33.958	8.796	26.355	170.3	0.266
130	8.723	33.979	8.710	26.385	167.6	0.283
140	8.683	33.987	8.668	26.398	166.6	0.299
150	8.630	34.005	8.615	26.420	164.7	0.316
175	8.444	34.016	8.426	26.457	161.6	0.357
200	8.337	34.039	8.317	26.492	158.7	0.397
225	8.157	34.076	8.134	26.549	153.7	0.435
250	7.900	34.093	7.876	26.601	149.1	0.473
300	7.377	34.118	7.348	26.697	140.6	0.546
400	6.719	34.184	6.683	26.840	128.1	0.679
500	6.172	34.220	6.128	26.942	119.5	0.803
503	6.147	34.221	6.103	26.946	119.1	0.807



STATION 20 NOR 10



STATION 21 NOR 9

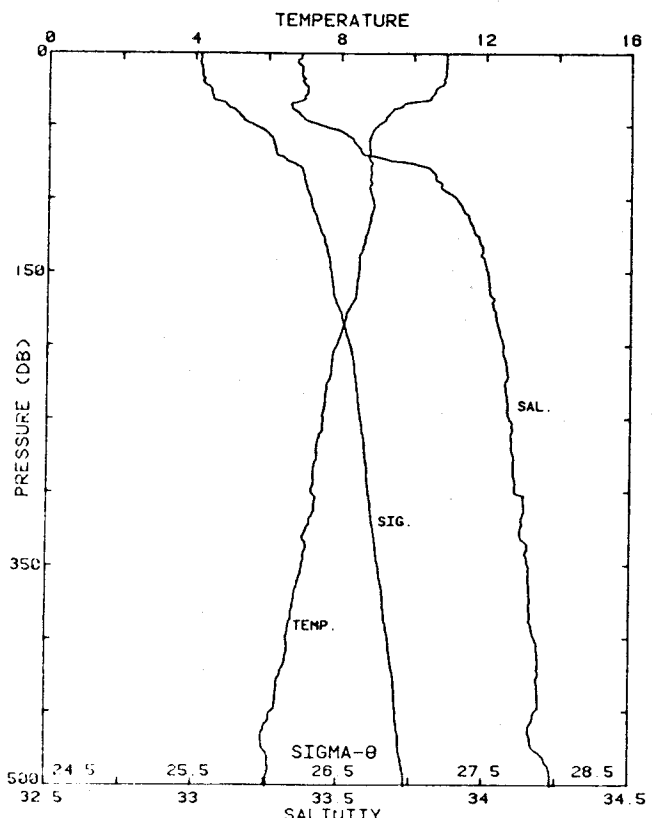
STA NO 21 ,NOR9 LAT: 38 31.3 N LONG:124 7.9 W
 17 JUL 1982 0328 GMT PROBE 2567 DEPTH 2988M
 55.6 KM FROM SHORE

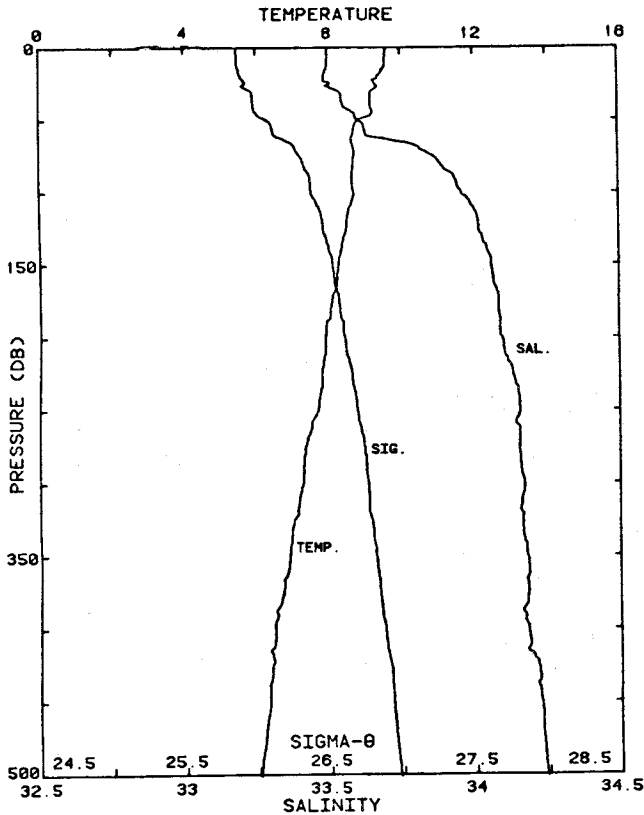
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.083	33.327	11.083	25.479	251.1	0.003
10	10.946	33.337	10.945	25.512	248.2	0.025
20	10.823	33.354	10.821	25.547	245.1	0.050
30	10.776	33.383	10.772	25.577	242.4	0.074
40	10.740	33.415	10.736	25.609	239.6	0.098
50	10.693	33.478	10.687	25.667	234.4	0.122
60	10.108	33.661	10.101	25.910	211.5	0.144
70	9.596	33.706	9.588	26.031	200.1	0.165
80	9.329	33.784	9.321	26.135	190.4	0.184
90	9.124	33.811	9.114	26.189	185.4	0.203
100	9.148	33.893	9.137	26.250	179.9	0.221
110	8.983	33.929	8.971	26.304	174.9	0.239
120	8.909	33.954	8.896	26.336	172.1	0.256
130	8.790	33.962	8.777	26.361	169.9	0.273
140	8.728	33.985	8.714	26.389	167.5	0.290
150	8.663	34.004	8.648	26.414	165.2	0.307
175	8.426	34.022	8.408	26.465	160.8	0.348
200	8.154	34.052	8.134	26.530	155.0	0.387
225	8.059	34.081	8.037	26.567	151.9	0.425
250	7.970	34.102	7.945	26.597	149.5	0.463
300	7.553	34.132	7.524	26.683	142.0	0.536
400	6.830	34.178	6.793	26.821	130.1	0.671
500	6.186	34.230	6.142	26.947	119.0	0.796
501	6.179	34.230	6.134	26.948	118.9	0.797

STA NO 22 ,NOR8 LAT: 38 34.5 N LONG:124 3.0 W
 17 JUL 1982 0436 GMT PROBE 2567 DEPTH 2349M
 46.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.907	33.363	10.907	25.538	245.5	0.002
10	10.886	33.366	10.885	25.544	245.1	0.025
20	10.858	33.367	10.855	25.550	244.8	0.049
30	10.489	33.374	10.486	25.621	238.3	0.073
40	9.401	33.344	9.397	25.779	223.3	0.096
50	9.011	33.430	9.006	25.909	211.2	0.118
60	8.775	33.542	8.769	26.034	199.5	0.138
70	8.786	33.580	8.779	26.062	197.0	0.158
80	8.817	33.810	8.808	26.237	180.6	0.177
90	8.857	33.848	8.848	26.261	178.6	0.195
100	8.887	33.901	8.877	26.298	175.3	0.213
110	8.859	33.933	8.847	26.327	172.7	0.230
120	8.771	33.957	8.758	26.360	169.8	0.247
130	8.663	33.980	8.649	26.395	166.6	0.264
140	8.524	33.994	8.510	26.427	163.7	0.281
150	8.505	34.009	8.490	26.442	162.5	0.297
175	8.254	34.030	8.236	26.498	157.7	0.337
200	7.914	34.064	7.894	26.575	150.6	0.376
225	7.672	34.070	7.650	26.615	147.1	0.413
250	7.552	34.085	7.528	26.645	144.7	0.449
300	7.249	34.105	7.221	26.704	139.8	0.520
400	6.603	34.178	6.567	26.851	127.0	0.654
500	6.059	34.235	6.015	26.967	116.9	0.776
501	6.048	34.236	6.005	26.970	116.7	0.777

STATION 22 NOR 9





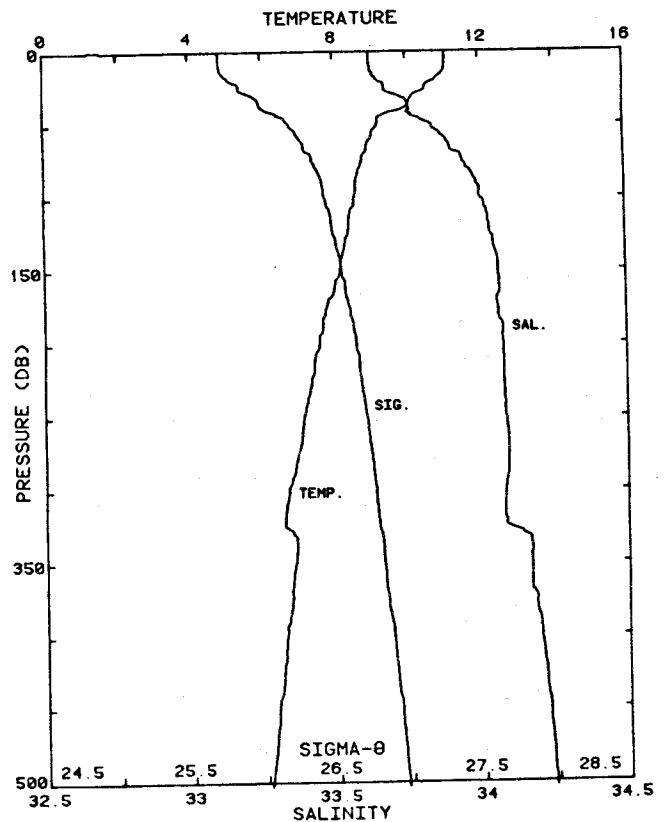
STATION 23 NOR 7

STA NO 23 ,NOR7 LAT: 38 37.8 N LONG:123 58.1 W
 17 JUL 1982 0553 GHT PROBE 2567 DEPTH 2023M
 37.0 KM FROM SHORE

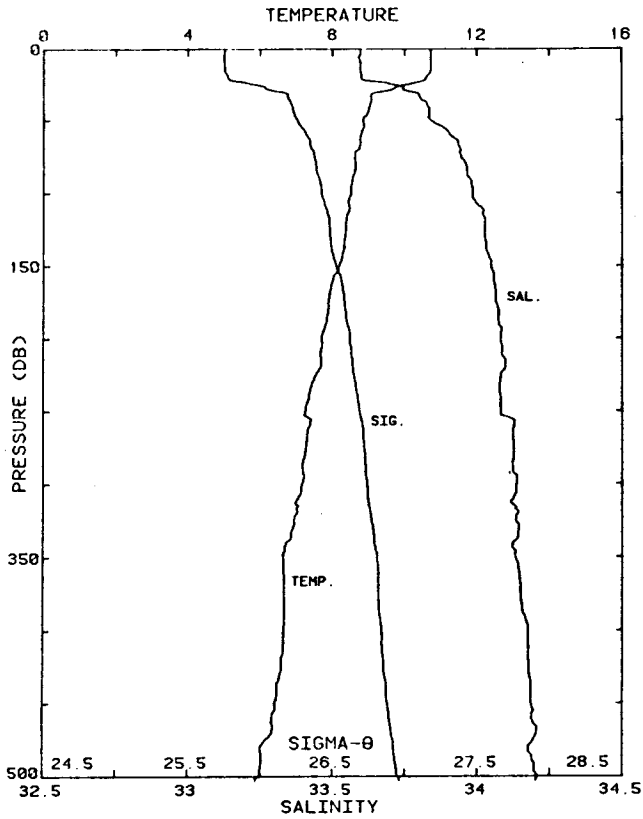
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.602	33.500	9.602	25.868	214.2	0.002
10	9.535	33.498	9.584	25.869	214.2	0.021
20	9.358	33.482	9.356	25.894	212.0	0.043
30	9.220	33.526	9.216	25.951	206.8	0.064
40	9.169	33.552	9.165	25.980	204.3	0.084
50	8.859	33.602	8.854	26.068	196.1	0.104
60	8.670	33.629	8.664	26.118	191.5	0.124
70	8.684	33.816	8.677	26.263	178.0	0.142
80	8.663	33.883	8.654	26.318	172.9	0.160
90	8.625	33.933	8.616	26.364	168.8	0.177
100	8.678	33.957	8.668	26.374	168.0	0.194
110	8.562	33.995	8.550	26.422	163.6	0.210
120	8.475	34.013	8.463	26.449	161.2	0.226
130	8.409	34.027	8.395	26.471	159.4	0.242
140	8.327	34.044	8.313	26.497	157.1	0.258
150	8.247	34.059	8.232	26.521	154.9	0.274
175	8.067	34.085	8.050	26.568	150.9	0.312
200	7.872	34.096	7.852	26.606	147.7	0.350
225	7.757	34.132	7.735	26.652	143.7	0.386
250	7.650	34.155	7.626	26.686	140.9	0.422
300	7.217	34.168	7.189	26.758	134.6	0.490
400	6.434	34.179	6.398	26.874	124.6	0.620
500	6.037	34.243	5.993	26.977	116.0	0.740
501	6.034	34.244	5.990	26.978	115.9	0.741

STA NO 24 ,NOR6 LAT: 38 41.1 N LONG:123 53.2 W
 17 JUL 1982 0652 GMT PROBE 2567 DEPTH 1234M
 27.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.084	33.627	11.084	25.711	229.0	0.002
10	11.067	33.628	11.066	25.716	228.8	0.023
20	10.792	33.653	10.790	25.784	222.5	0.046
30	10.222	33.716	10.218	25.933	208.6	0.067
40	9.905	33.765	9.901	26.025	200.1	0.088
50	9.218	33.836	9.213	26.193	184.3	0.107
60	9.022	33.887	9.015	26.265	177.6	0.125
70	8.830	33.931	8.823	26.330	171.7	0.142
80	8.698	33.954	8.689	26.369	168.1	0.159
90	8.577	33.988	8.568	26.414	164.1	0.176
100	8.544	33.999	8.534	26.428	162.9	0.192
110	8.423	34.022	8.412	26.465	159.6	0.208
120	8.373	34.030	8.361	26.479	158.4	0.224
130	8.276	34.043	8.263	26.503	156.2	0.240
140	8.190	34.054	8.176	26.525	154.4	0.255
150	8.122	34.058	8.107	26.539	153.3	0.271
175	7.743	34.057	7.725	26.594	148.3	0.308
200	7.533	34.072	7.514	26.637	144.6	0.345
225	7.313	34.073	7.292	26.669	141.9	0.381
250	7.097	34.079	7.074	26.705	138.8	0.416
300	6.652	34.074	6.625	26.762	133.9	0.484
400	6.543	34.195	6.507	26.873	124.9	0.614
500	6.108	34.239	6.064	26.964	117.3	0.735
503	6.089	34.240	6.045	26.968	116.9	0.738



STATION 24 NOR 6



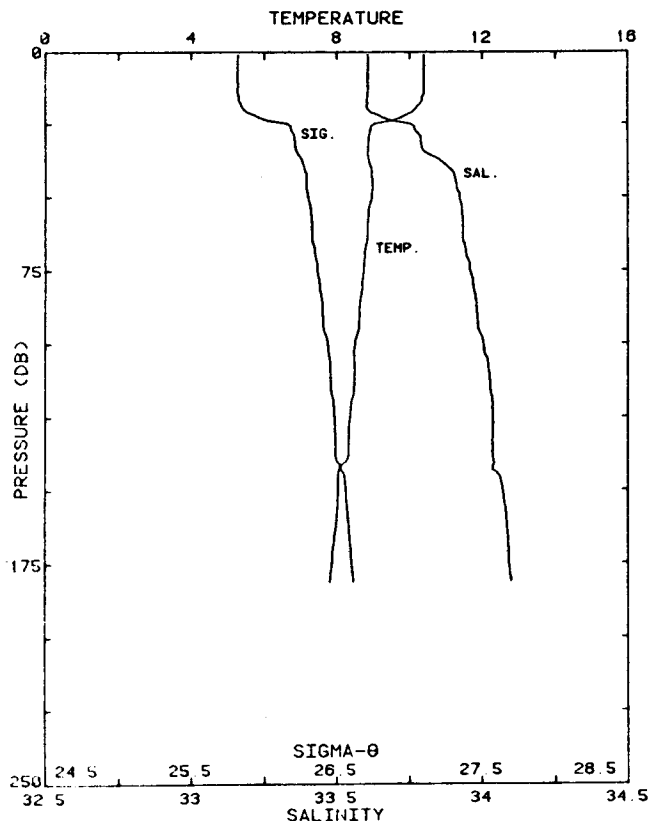
STATION 25 NOR 5

STA NO 25 ,NOR5 LAT: 38 42.7 N LONG:123 50.5 W
 17 JUL 1982 0746 GMT PROBE 2567 DEPTH 556M
 22.8 KM FROM SHORE 20 MIN GAP AT 382-383DB

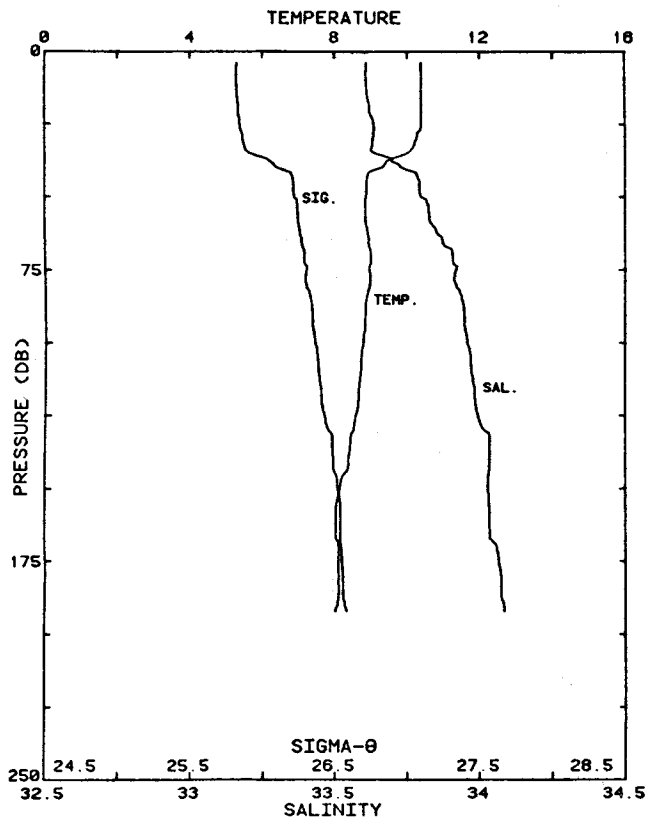
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.726	33.597	10.726	25.752	225.2	0.002
10	10.727	33.596	10.726	25.751	225.4	0.023
20	10.596	33.598	10.594	25.776	223.3	0.045
30	9.427	33.763	9.424	26.102	192.5	0.066
40	9.024	33.830	9.020	26.220	181.5	0.084
50	8.845	33.840	8.840	26.256	178.3	0.102
60	8.784	33.906	8.778	26.317	172.7	0.120
70	8.735	33.943	8.728	26.354	169.4	0.137
80	8.625	33.961	8.616	26.385	166.6	0.154
90	8.554	33.973	8.545	26.406	164.8	0.170
100	8.502	33.984	8.492	26.423	163.4	0.187
110	8.471	34.013	8.459	26.450	161.0	0.203
120	8.364	34.026	8.352	26.477	158.6	0.219
130	8.342	34.026	8.329	26.480	158.5	0.235
140	8.293	34.032	8.279	26.493	157.4	0.251
150	8.171	34.047	8.156	26.523	154.7	0.266
175	7.878	34.063	7.860	26.580	149.7	0.304
200	7.692	34.080	7.672	26.621	146.2	0.341
225	7.533	34.081	7.512	26.644	144.4	0.377
250	7.245	34.080	7.221	26.685	140.8	0.413
300	7.160	34.136	7.132	26.741	136.2	0.482
400	6.657	34.175	6.620	26.842	127.9	0.613
500	6.014	34.209	5.971	26.952	118.3	0.738
503	5.874	34.203	5.831	26.966	116.9	0.741

STA NO 26 ,NOR4 LAT: 38 44.7 N LONG:123 47.9 W
 17 JUL 1982 0844 GMT PROBE 2567 DEPTH 186M
 17.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.396	33.608	10.396	25.818	218.9	0.002
10	10.398	33.607	10.397	25.817	219.1	0.022
20	10.144	33.608	10.142	25.862	215.1	0.044
30	8.870	33.788	8.867	26.211	182.1	0.063
40	8.943	33.884	8.938	26.275	176.3	0.081
50	8.958	33.922	8.953	26.302	173.9	0.099
60	8.845	33.935	8.838	26.330	171.4	0.116
70	8.767	33.947	8.759	26.352	169.6	0.133
80	8.692	33.970	8.683	26.382	166.9	0.150
90	8.615	33.984	8.606	26.405	164.9	0.166
100	8.502	34.004	8.492	26.438	161.9	0.183
110	8.486	34.023	8.475	26.456	160.4	0.199
120	8.395	34.035	8.383	26.479	158.4	0.215
130	8.336	34.036	8.323	26.489	157.6	0.231
140	8.264	34.039	8.250	26.503	156.5	0.246
150	8.031	34.071	8.016	26.563	150.9	0.262
175	7.868	34.092	7.851	26.603	147.5	0.299
181	7.820	34.100	7.802	26.617	146.3	0.308



STATION 26 NOR 4

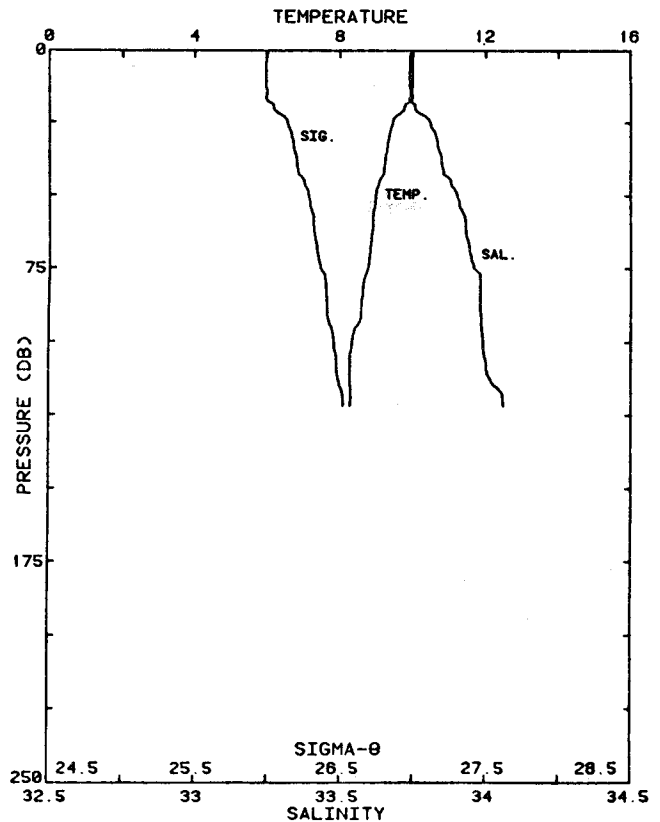


STA NO 27 ,NOR4 LAT: 38 44.6 N LONG:123 48.0 W
 17 JUL 1982 1312 GHT PROBE 2567 DEPTH 200M
 17.8 KM FROM SHORE

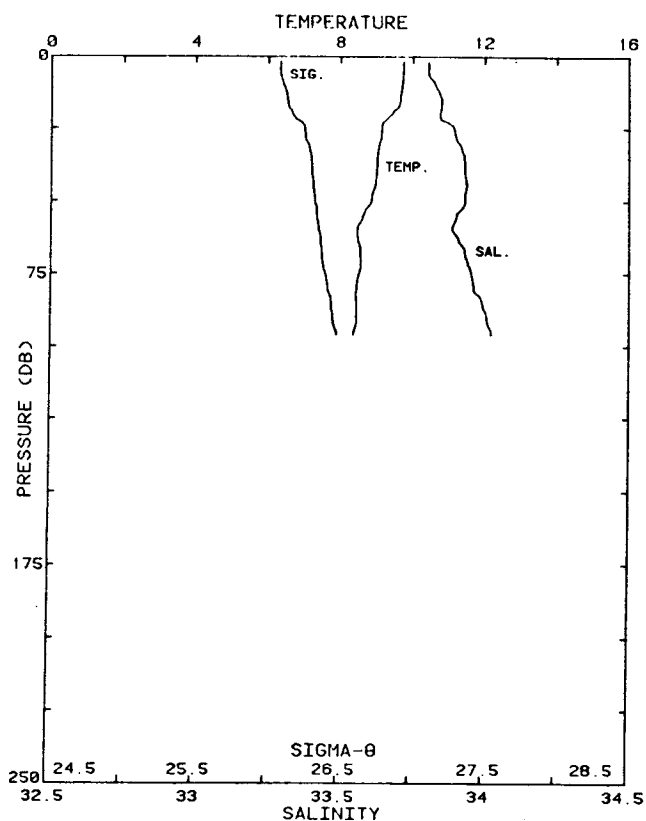
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
4	10.381	33.610	10.381	25.822	218.6	0.009
10	10.393	33.609	10.392	25.819	219.0	0.022
20	10.381	33.619	10.379	25.830	218.2	0.044
30	10.244	33.630	10.241	25.862	215.4	0.065
40	9.319	33.726	9.315	26.091	193.8	0.086
50	8.862	33.797	8.856	26.220	181.7	0.105
60	8.872	33.840	8.866	26.252	178.9	0.122
70	8.986	33.906	8.979	26.286	175.9	0.140
80	8.950	33.918	8.942	26.301	174.6	0.158
90	8.828	33.946	8.819	26.342	170.9	0.175
100	8.769	33.957	8.759	26.360	169.4	0.192
110	8.699	33.972	8.687	26.383	167.4	0.209
120	8.634	33.985	8.622	26.403	165.7	0.225
130	8.491	34.016	8.478	26.450	161.4	0.242
140	8.353	34.031	8.339	26.482	158.5	0.258
150	8.111	34.026	8.096	26.516	155.4	0.273
175	8.091	34.065	8.073	26.549	152.7	0.312
192	7.993	34.082	7.974	26.578	150.3	0.338

STA NO 28 ,NOR3 LAT: 38 46.6 N LONG:123 45.0 W
 17 JUL 1982 1357 GHT PROBE 2567 DEPTH 129M
 12.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.990	33.740	9.990	25.990	202.6	0.002
10	9.989	33.738	9.988	25.989	202.8	0.020
20	9.759	33.756	9.756	26.042	198.0	0.040
30	9.342	33.829	9.338	26.167	186.3	0.060
40	9.220	33.851	9.215	26.204	183.0	0.078
50	8.976	33.903	8.971	26.284	175.6	0.096
60	8.896	33.931	8.890	26.319	172.5	0.113
70	8.807	33.947	8.799	26.346	170.1	0.130
80	8.631	33.982	8.622	26.401	165.1	0.147
90	8.571	33.982	8.562	26.410	164.4	0.164
100	8.319	33.990	8.309	26.455	160.2	0.180
110	8.256	34.002	8.245	26.474	158.6	0.196
120	8.270	34.059	8.258	26.517	154.8	0.212
122	8.268	34.060	8.256	26.518	154.7	0.215



STATION 28 NOR 3



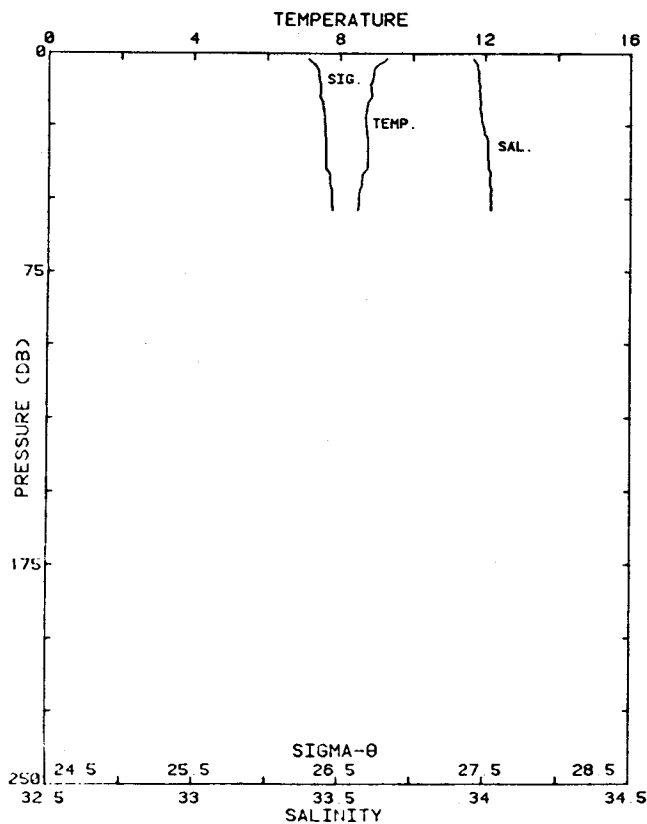
STATION 29 NOR 2

STA NO 29 ,NOR2 LAT: 38 48.1 N LONG:123 42.7 W
 17 JUL 1982 1438 GHT PROBE 2567 DEPTH 103M
 7.8 KM FROM SHORE

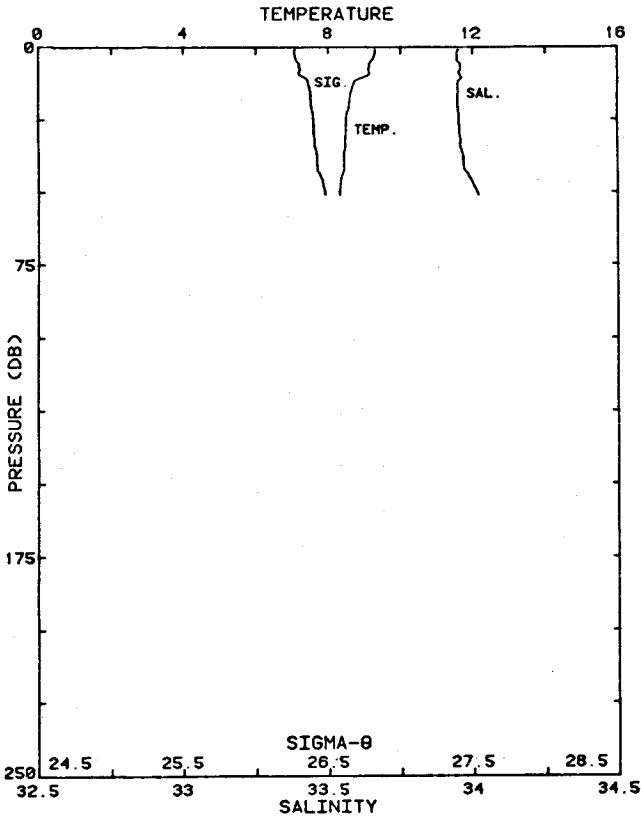
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
2	9.743	33.804	9.743	26.082	193.9	0.004
10	9.715	33.828	9.714	26.105	191.8	0.019
20	9.434	33.844	9.432	26.164	186.4	0.038
30	9.077	33.912	9.074	26.275	176.1	0.056
40	8.998	33.932	8.994	26.303	173.6	0.074
50	8.863	33.931	8.857	26.324	171.8	0.091
60	8.460	33.888	8.454	26.353	169.2	0.108
70	8.562	33.937	8.555	26.376	167.3	0.125
80	8.450	33.963	8.442	26.414	163.9	0.141
90	8.450	34.008	8.441	26.449	160.7	0.158
96	8.358	34.024	8.348	26.476	158.2	0.167

STA NO 30 ,NOR1 LAT: 38 50.0 N LONG:123 40.0 W
 17 JUL 1982 1519 GMT PROBE 2567 DEPTH 63M
 2.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
			TEMP	THETA		
2	9.275	33.959	9.275	26.279	175.1	0.004
10	8.871	33.978	8.870	26.359	167.7	0.017
20	8.718	33.983	8.716	26.387	165.2	0.034
30	8.761	34.007	8.758	26.399	164.2	0.050
40	8.743	34.011	8.738	26.405	163.9	0.067
50	8.522	34.017	8.517	26.444	160.4	0.083
54	8.495	34.018	8.489	26.450	159.9	0.089



STATION 30 NOR 1



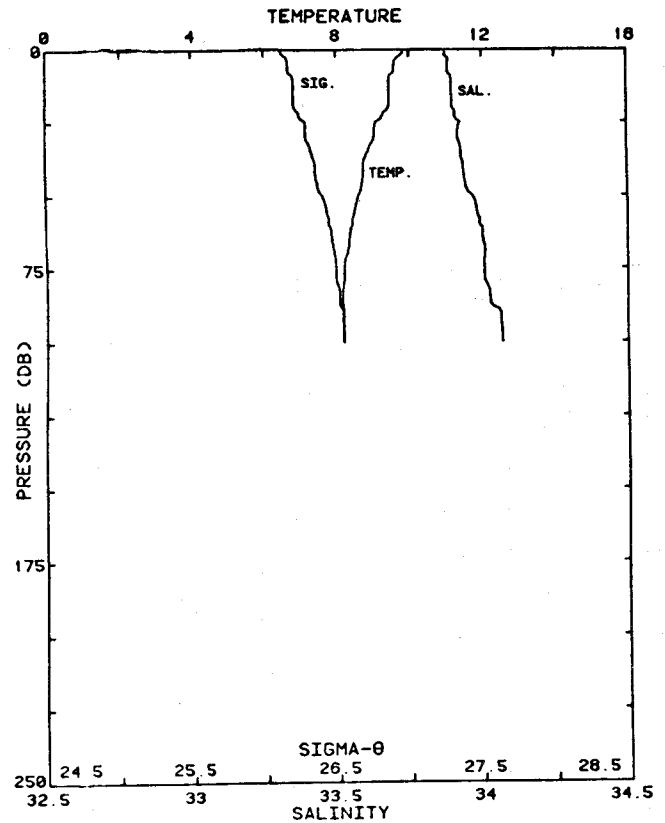
STATION 31 AR 1

STA NO 31 ,AR1 LAT: 38 56.9 N LONG:123 46.1 W
 17 JUL 1982 1631 GMT PROBE 2567 DEPTH 58M
 2.4 KM FROM SHORE

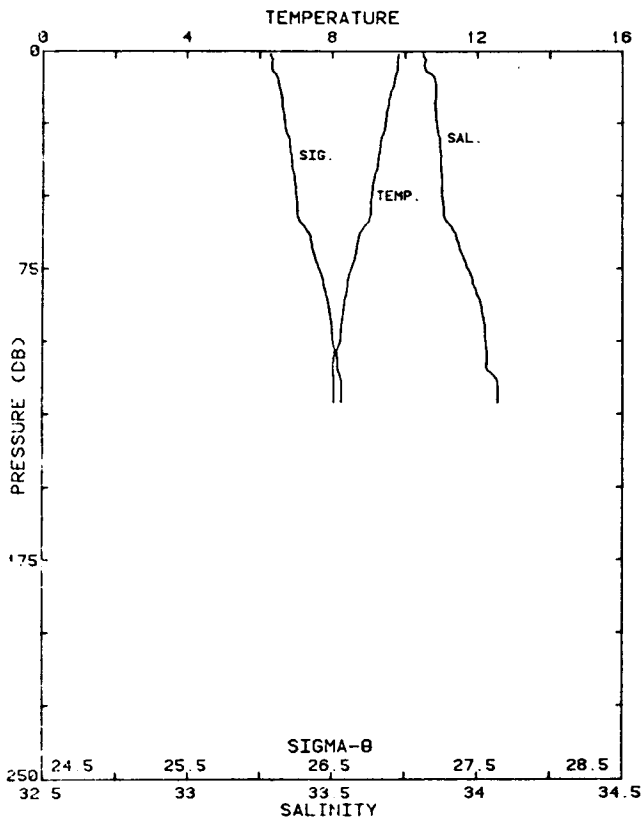
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.303	33.952	9.302	26.269	176.0	0.002
10	9.125	33.956	9.124	26.301	173.2	0.017
20	8.593	33.949	8.580	26.382	165.7	0.034
30	8.492	33.955	8.489	26.400	164.2	0.051
40	8.422	33.968	8.418	26.422	162.3	0.067
50	8.304	34.015	8.299	26.476	157.3	0.083
51	8.308	34.018	8.303	26.478	157.1	0.085

STA NO 32 ,AR2 LAT: 38 55.8 N LONG:123 49.3 W
 17 JUL 1982 1707 GMT PROBE 2567 DEPTH 107M
 7.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.845	33.874	9.845	26.119	190.3	0.002
10	9.438	33.895	9.437	26.203	182.5	0.019
20	9.433	33.897	9.431	26.206	182.4	0.037
30	9.027	33.916	9.023	26.286	175.0	0.055
40	8.722	33.935	8.718	26.349	169.2	0.072
50	8.567	33.966	8.562	26.397	164.8	0.089
60	8.403	33.991	8.397	26.442	160.7	0.105
70	8.260	34.006	8.253	26.476	157.7	0.121
80	8.153	34.012	8.145	26.497	155.9	0.136
90	8.162	34.062	8.153	26.536	152.4	0.152
100	8.164	34.066	8.154	26.538	152.3	0.167



STATION 32 AR 2



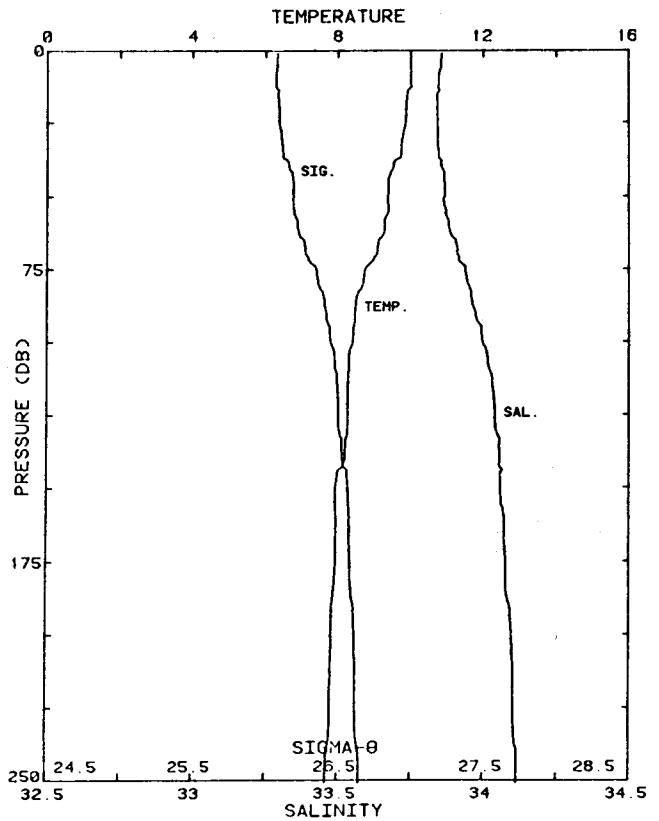
STATION 33 AR 3

STA NO 33 ,AR3 LAT: 38 54.9 N LONG:123 52.6 W
 17 JUL 1982 1744 GMT PROBE 2567 DEPTH 133M
 12.5 KM FROM SHORE

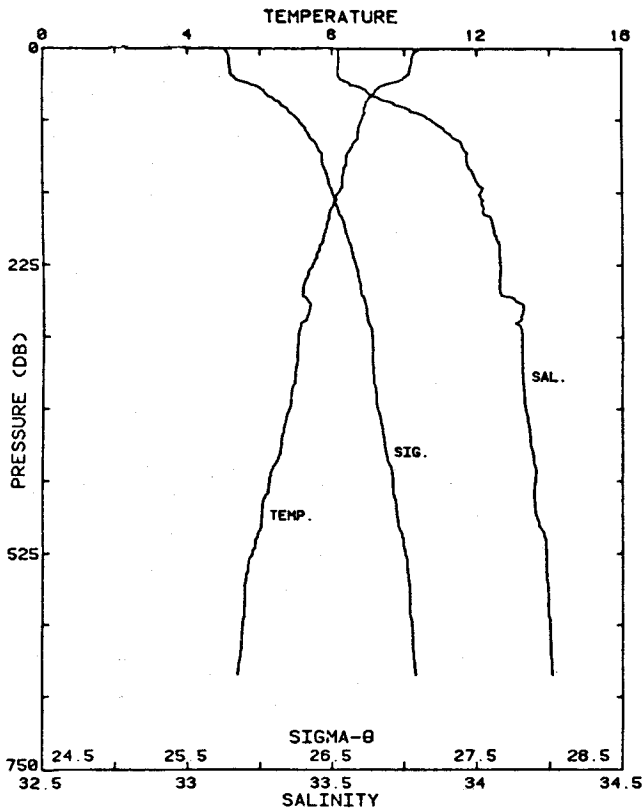
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.827	33.812	9.826	26.074	194.6	0.002
10	9.710	33.854	9.709	26.126	189.8	0.019
20	9.521	33.853	9.519	26.157	187.1	0.038
30	9.341	33.869	9.338	26.199	183.3	0.057
40	9.236	33.872	9.232	26.218	181.6	0.075
50	9.085	33.878	9.079	26.247	179.1	0.093
60	8.914	33.905	8.908	26.296	174.7	0.111
70	8.641	33.946	8.633	26.371	167.7	0.128
80	8.414	33.984	8.406	26.436	161.7	0.144
90	8.293	34.016	8.284	26.479	157.8	0.160
100	8.215	34.028	8.205	26.501	155.9	0.176
110	8.005	34.035	7.994	26.538	152.5	0.191
120	8.034	34.070	8.022	26.561	150.6	0.206
121	8.034	34.070	8.022	26.561	150.6	0.208

STA NO 34 ,AR4 LAT: 38 53.9 N LONG:123 55.8 W
 17 JUL 1982 1824 GMT PROBE 2567 DEPTH 264M
 17.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.006	33.857	10.006	26.079	194.1	0.002
10	10.007	33.846	10.006	26.070	195.1	0.019
20	9.862	33.841	9.859	26.091	193.4	0.039
30	9.771	33.842	9.767	26.107	192.0	0.058
40	9.521	33.855	9.516	26.159	187.3	0.077
50	9.357	33.867	9.352	26.195	184.1	0.096
60	9.279	33.880	9.272	26.218	182.1	0.114
70	9.064	33.910	9.056	26.276	176.8	0.132
80	8.692	33.945	8.684	26.363	168.7	0.149
90	8.471	33.972	8.462	26.418	163.7	0.166
100	8.400	33.997	8.390	26.448	161.0	0.182
110	8.290	34.023	8.279	26.486	157.6	0.198
120	8.262	34.038	8.250	26.502	156.2	0.213
130	8.253	34.042	8.240	26.506	156.0	0.229
140	8.180	34.055	8.166	26.528	154.1	0.245
150	7.918	34.059	7.903	26.570	150.2	0.260
175	7.933	34.078	7.916	26.583	149.5	0.297
200	7.822	34.097	7.802	26.615	146.8	0.334
225	7.795	34.104	7.773	26.624	146.4	0.371
250	7.680	34.116	7.656	26.651	144.2	0.407
251	7.681	34.116	7.656	26.651	144.2	0.409



STATION 34 AR 4



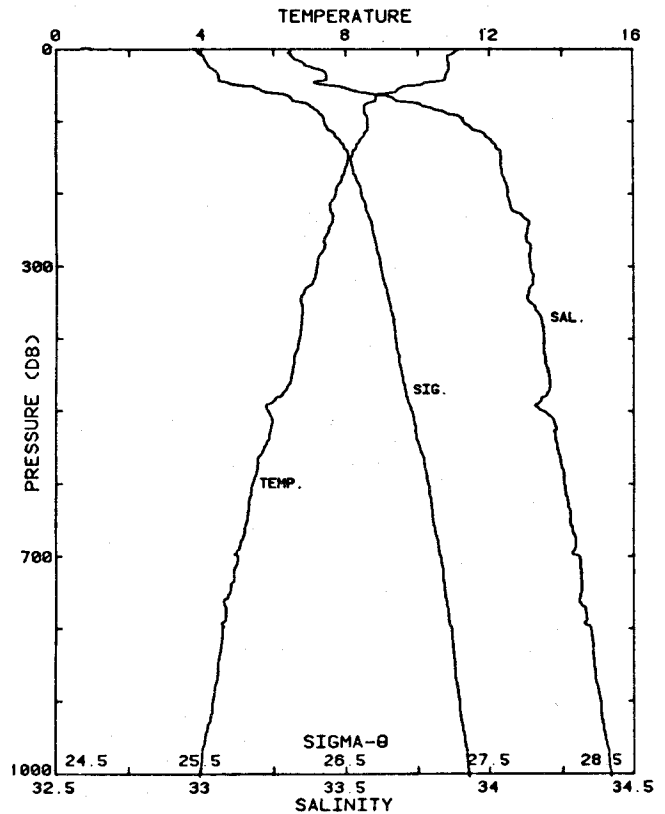
STATION 35 AR 5

STA NO 35 ,AR5 LAT: 38 53.0 N LONG:123 59.0 W
 17 JUL 1982 1907 GMT PROBE 2567 DEPTH 667M
 22.3 KM FROM SHORE

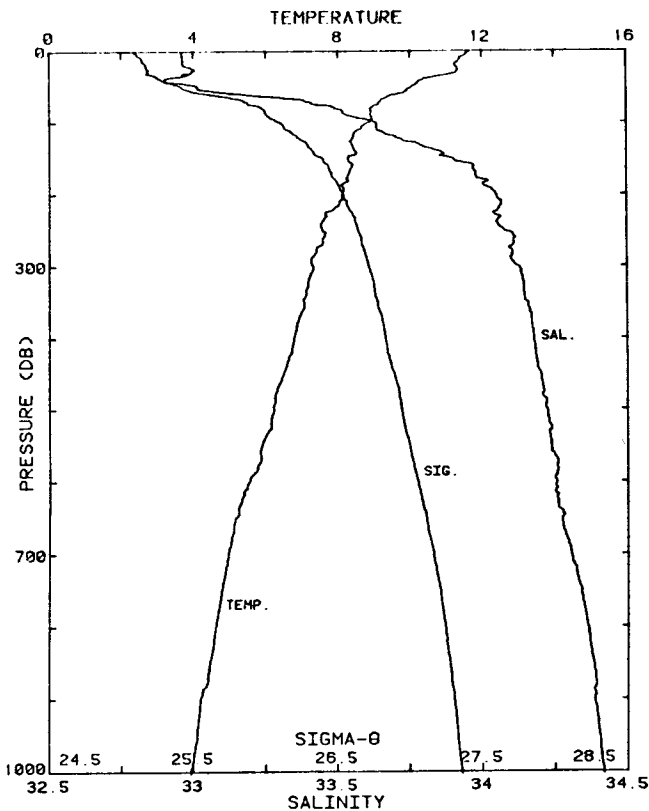
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.368	33.521	10.368	25.756	224.9	0.004
10	10.211	33.522	10.209	25.783	222.4	0.022
20	10.160	33.520	10.158	25.790	221.9	0.045
30	10.004	33.524	10.000	25.821	219.3	0.067
40	9.320	33.594	9.316	25.988	203.5	0.088
50	9.107	33.640	9.102	26.058	197.1	0.108
60	8.931	33.730	8.925	26.157	187.9	0.127
70	8.863	33.818	8.856	26.236	180.6	0.146
80	8.752	33.867	8.744	26.292	175.4	0.163
90	8.708	33.910	8.699	26.332	171.8	0.181
100	8.557	33.949	8.547	26.387	166.8	0.198
110	8.385	33.966	8.374	26.427	163.2	0.214
120	8.372	33.967	8.360	26.429	163.1	0.230
130	8.297	33.986	8.284	26.456	160.7	0.247
140	8.257	34.001	8.243	26.474	159.2	0.263
150	8.142	34.011	8.127	26.499	157.0	0.278
175	7.909	34.042	7.891	26.558	151.7	0.317
200	7.715	34.067	7.695	26.607	147.5	0.354
225	7.420	34.079	7.399	26.659	142.9	0.391
250	7.162	34.076	7.139	26.693	139.9	0.426
300	7.023	34.153	6.995	26.774	133.1	0.494
400	6.620	34.182	6.584	26.852	126.9	0.625
500	5.989	34.221	5.946	26.966	117.0	0.747
600	5.498	34.250	5.448	27.050	109.8	0.859
652	5.369	34.259	5.315	27.073	108.1	0.916

STA NO 36 ,AR6 LAT: 38 52.0 N LONG:124 2.3 W
 17 JUL 1982 2001 GMT PROBE 2567 DEPTH 1530M
 27.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.128	33.309	11.128	25.457	253.2	0.003
10	10.818	33.312	10.817	25.514	248.0	0.025
20	10.862	33.354	10.859	25.540	245.8	0.050
30	10.843	33.419	10.840	25.594	240.9	0.074
40	10.757	33.433	10.752	25.620	238.6	0.098
50	10.070	33.431	10.064	25.737	227.7	0.122
60	9.365	33.546	9.359	25.943	208.2	0.143
70	8.821	33.670	8.814	26.127	190.9	0.163
80	8.507	33.781	8.499	26.262	178.2	0.181
90	8.522	33.858	8.512	26.320	172.9	0.199
100	8.591	33.909	8.581	26.350	170.3	0.216
110	8.605	33.939	8.593	26.371	168.5	0.233
120	8.493	33.986	8.480	26.426	163.4	0.249
130	8.343	34.012	8.330	26.469	159.5	0.265
140	8.194	34.036	8.180	26.511	155.7	0.281
150	8.091	34.039	8.076	26.529	154.2	0.297
175	7.882	34.046	7.865	26.565	151.1	0.335
200	7.702	34.061	7.683	26.604	147.8	0.372
225	7.577	34.087	7.556	26.643	144.5	0.409
250	7.515	34.129	7.491	26.684	141.0	0.444
300	7.191	34.139	7.163	26.739	136.4	0.513
400	6.707	34.186	6.670	26.843	127.8	0.645
500	5.836	34.181	5.793	26.953	118.0	0.769
600	5.398	34.254	5.348	27.065	108.2	0.882
800	4.583	34.349	4.520	27.235	93.2	1.084
1000	3.958	34.419	3.882	27.358	82.3	1.261
1004	3.955	34.419	3.879	27.358	82.3	1.264



STATION 36 AR 6



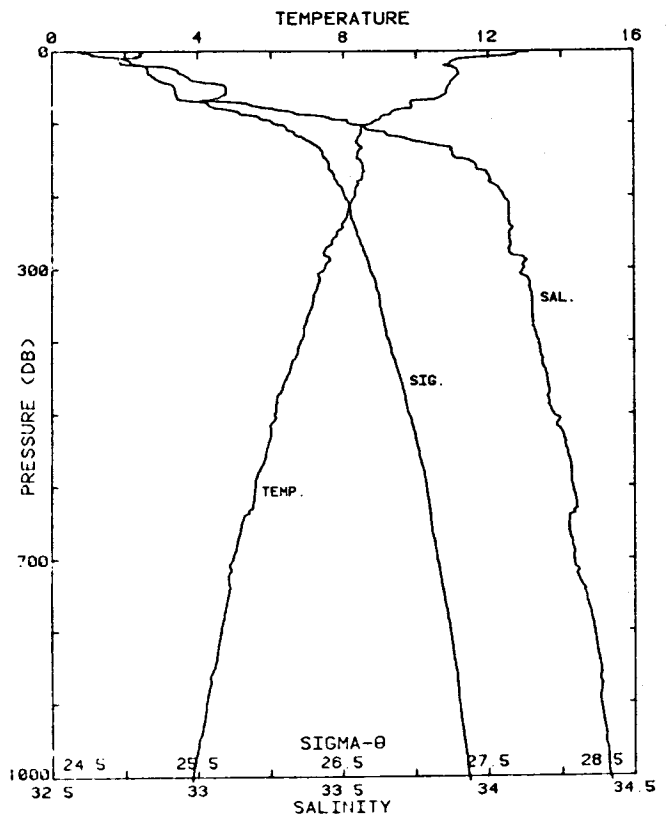
STATION 37 AR 7

STA NO 37 ,AR7 LAT: 38 50.2 N LONG:124 8.2 W
 17 JUL 1982 2120 GHT PROBE 2567 DEPTH 2129M
 36.6 KM FROM SHORE

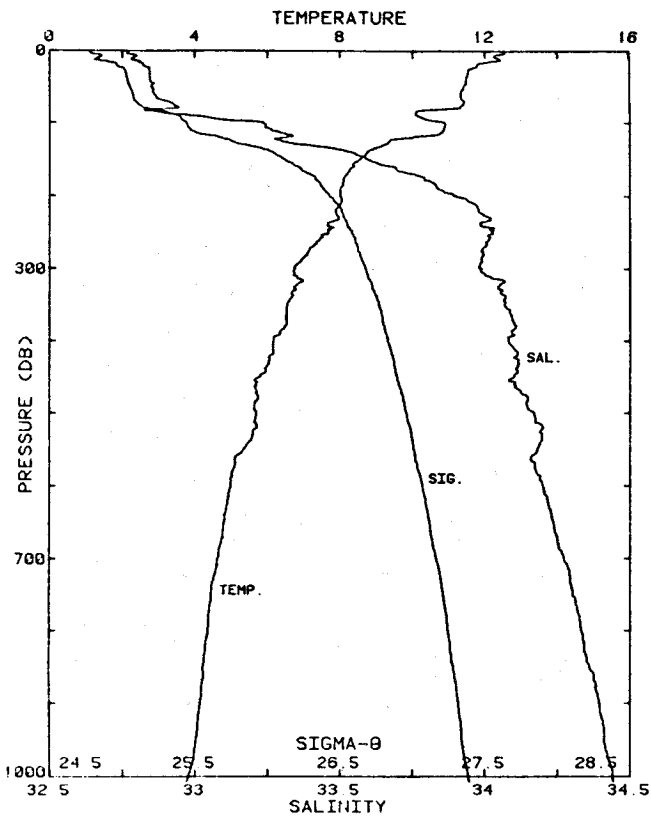
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.645	32.958	11.644	25.091	288.1	0.006
10	11.386	32.761	11.385	25.140	283.5	0.029
20	11.233	32.964	11.230	25.171	280.9	0.057
30	11.301	32.995	11.297	25.183	280.0	0.085
40	10.388	32.901	10.383	25.271	271.8	0.113
50	10.082	33.010	10.076	25.407	259.0	0.139
60	9.811	33.126	9.804	25.543	246.2	0.165
70	9.183	33.378	9.176	25.842	218.1	0.188
80	8.911	33.486	8.903	25.969	206.1	0.209
90	8.898	33.530	8.888	26.006	202.8	0.229
100	8.877	33.628	8.866	26.086	195.4	0.249
110	8.569	33.634	8.558	26.138	190.5	0.269
120	8.405	33.700	8.392	26.216	183.4	0.287
130	8.375	33.779	8.362	26.282	177.3	0.305
140	8.470	33.851	8.455	26.324	173.5	0.323
150	8.264	33.895	8.249	26.390	167.4	0.340
175	8.264	33.978	8.246	26.455	161.6	0.381
200	8.100	34.047	8.080	26.534	154.6	0.420
225	7.663	34.040	7.641	26.594	149.2	0.459
250	7.552	34.074	7.528	26.636	145.6	0.495
300	7.282	34.117	7.253	26.709	139.3	0.566
400	6.769	34.177	6.732	26.828	129.3	0.700
500	6.201	34.223	6.157	26.940	119.6	0.825
600	5.530	34.255	5.480	27.050	109.8	0.940
800	4.604	34.363	4.541	27.244	92.4	1.141
1000	3.936	34.419	3.861	27.360	82.0	1.315
1003	3.933	34.419	3.858	27.361	82.0	1.317

STA NO 38 ,AR8 LAT: 38 48.3 N LONG:124 14.0 W
 17 JUL 1982 2249 GHT PROBE 2567 DEPTH 3010M
 45.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	13.086	32.810	13.086	24.701	325.2	0.007
10	11.465	32.751	11.464	24.963	300.4	0.032
20	10.756	32.784	10.753	25.115	286.1	0.061
30	11.171	32.935	11.167	25.159	282.2	0.089
40	10.992	32.976	10.988	25.224	276.3	0.117
50	10.867	33.095	10.861	25.338	265.6	0.144
60	10.814	33.096	10.807	25.349	264.9	0.171
70	9.853	33.068	9.845	25.491	251.4	0.197
80	9.687	33.258	9.678	25.667	234.9	0.221
90	9.063	33.421	9.054	25.895	213.3	0.244
100	8.784	33.516	8.774	26.013	202.3	0.265
110	8.478	33.595	8.467	26.122	192.1	0.284
120	8.384	33.705	8.372	26.223	182.7	0.303
130	8.404	33.817	8.391	26.307	174.9	0.321
140	8.382	33.875	8.367	26.356	170.4	0.338
150	8.453	33.927	8.437	26.386	167.8	0.355
175	8.508	34.003	8.490	26.437	163.4	0.396
200	8.299	34.051	8.278	26.508	157.2	0.436
225	8.098	34.067	8.075	26.550	153.5	0.475
250	7.811	34.068	7.787	26.595	149.6	0.513
300	7.479	34.118	7.450	26.682	142.0	0.586
400	6.836	34.170	6.799	26.814	130.7	0.722
500	6.101	34.222	6.057	26.952	118.4	0.846
600	5.567	34.285	5.517	27.069	108.1	0.959
800	4.628	34.361	4.565	27.240	92.8	1.161
1000	3.844	34.416	3.770	27.367	81.2	1.335
1006	3.824	34.418	3.749	27.371	80.8	1.340



STATION 38 AR 8



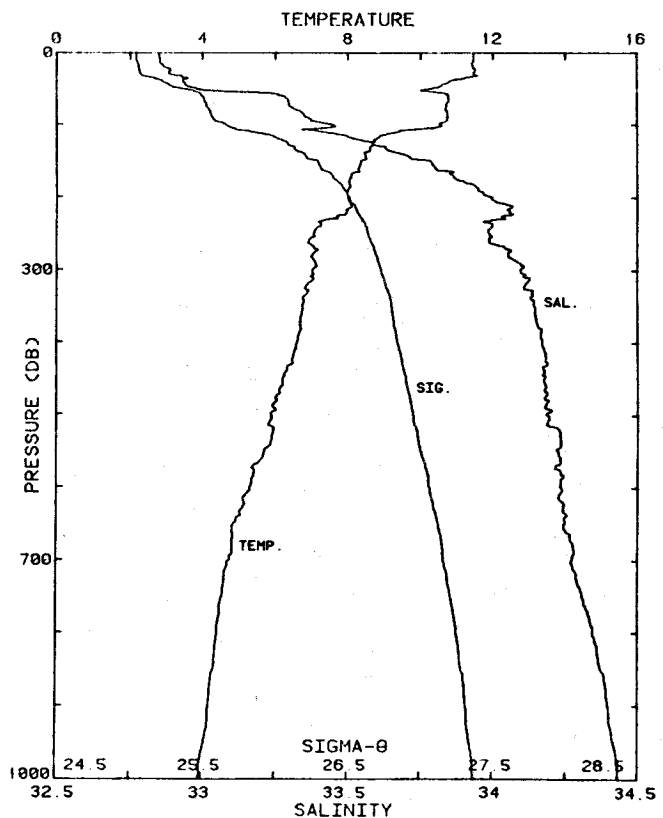
STATION 39 IR 8

STA NO 39 ,IRB LAT: 39 3.0 N LONG:124 17.0 W
 18 JUL 1982 0134 GMT PROBE 2567 DEPTH 2406M
 50.9 KM FROM SHORE

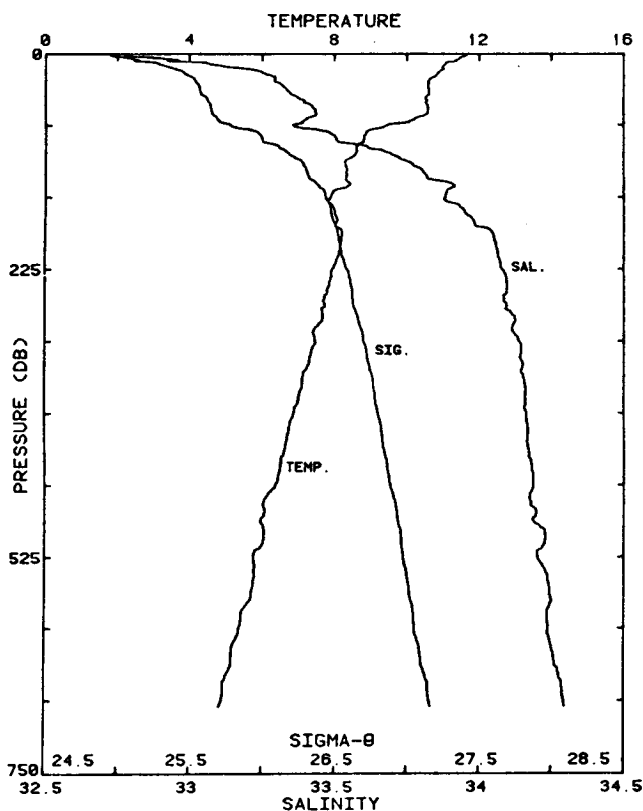
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
3	12.546	32.768	12.545	24.774	318.2	0.010
10	12.319	32.790	12.317	24.835	312.6	0.031
20	11.778	32.822	11.776	24.961	300.8	0.062
30	11.530	32.843	11.526	25.023	295.2	0.092
40	11.478	32.846	11.473	25.035	294.3	0.122
50	11.394	32.848	11.388	25.053	292.9	0.151
60	11.326	32.858	11.319	25.073	291.1	0.180
70	11.418	32.898	11.410	25.087	290.0	0.209
80	11.126	32.934	11.116	25.168	282.5	0.238
90	10.131	32.984	10.121	25.379	262.5	0.265
100	10.897	33.236	10.885	25.443	256.8	0.291
110	10.870	33.264	10.857	25.470	254.5	0.317
120	9.967	33.312	9.953	25.663	236.2	0.341
130	9.219	33.371	9.205	25.832	220.2	0.364
140	8.748	33.541	8.733	26.039	200.6	0.385
150	8.531	33.598	8.515	26.117	193.3	0.405
175	8.102	33.791	8.085	26.333	173.2	0.450
200	8.016	33.898	7.996	26.430	164.4	0.493
225	7.899	33.991	7.877	26.520	156.3	0.532
250	7.647	34.023	7.623	26.582	150.7	0.571
300	6.769	33.985	6.742	26.676	142.1	0.644
400	6.163	34.081	6.128	26.832	128.4	0.778
500	5.697	34.170	5.655	26.961	117.1	0.901
600	4.978	34.199	4.931	27.070	107.1	1.013
800	4.355	34.332	4.294	27.246	91.7	1.211
1000	3.807	34.440	3.733	27.390	78.9	1.382
1007	3.770	34.442	3.696	27.396	78.4	1.387

STA NO 40 ,IR7 LAT: 39 3.0 N LONG:124 10.0 W
 18 JUL 1982 0302 GMT PROBE 2567 DEPTH 1096M
 40.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.458	32.847	11.458	25.039	293.0	0.003
10	11.457	32.851	11.456	25.042	292.9	0.029
20	11.442	32.865	11.440	25.056	291.8	0.059
30	11.453	32.883	11.449	25.069	290.9	0.088
40	10.820	32.929	10.815	25.217	276.9	0.116
50	10.351	32.977	10.345	25.336	265.8	0.143
60	10.727	33.258	10.720	25.489	251.5	0.169
70	10.720	33.293	10.712	25.518	249.0	0.194
80	10.689	33.318	10.679	25.543	246.8	0.219
90	10.744	33.354	10.733	25.562	245.3	0.243
100	10.568	33.440	10.556	25.659	236.2	0.268
110	9.344	33.418	9.332	25.848	218.2	0.291
120	8.724	33.537	8.711	26.039	200.2	0.311
130	8.613	33.630	8.600	26.129	191.8	0.331
140	8.467	33.691	8.453	26.199	185.3	0.350
150	8.349	33.786	8.334	26.292	176.7	0.368
175	8.035	33.877	8.018	26.410	165.8	0.411
200	8.024	33.998	8.004	26.507	157.1	0.451
225	7.727	34.037	7.705	26.582	150.4	0.490
250	7.060	33.990	7.037	26.639	145.0	0.527
300	7.019	34.095	6.992	26.729	137.3	0.597
400	6.607	34.170	6.571	26.844	127.6	0.729
500	5.883	34.188	5.840	26.953	118.1	0.852
600	5.304	34.237	5.255	27.063	108.3	0.965
800	4.409	34.346	4.348	27.251	91.3	1.163
1000	3.903	34.434	3.829	27.375	80.5	1.335
1001	3.899	34.434	3.824	27.376	80.5	1.335



STATION 40 IR 7



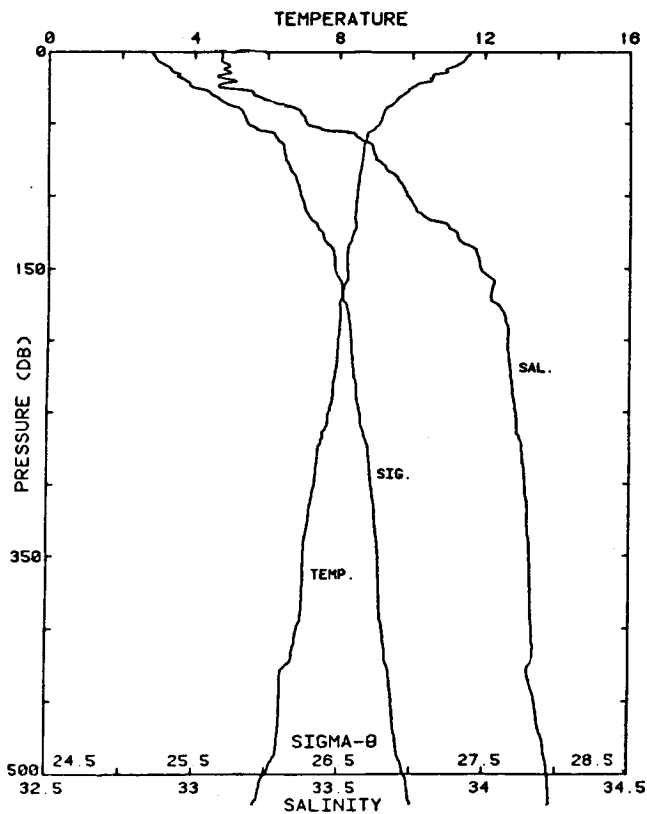
STATION 41 IR 6

STA NO 41 ,IR6 LAT: 39 3.0 N LONG:124 4.0 W
 18 JUL 1982 0426 GMT PROBE 2567 DEPTH 718M
 32.2 KM FROM SHORE

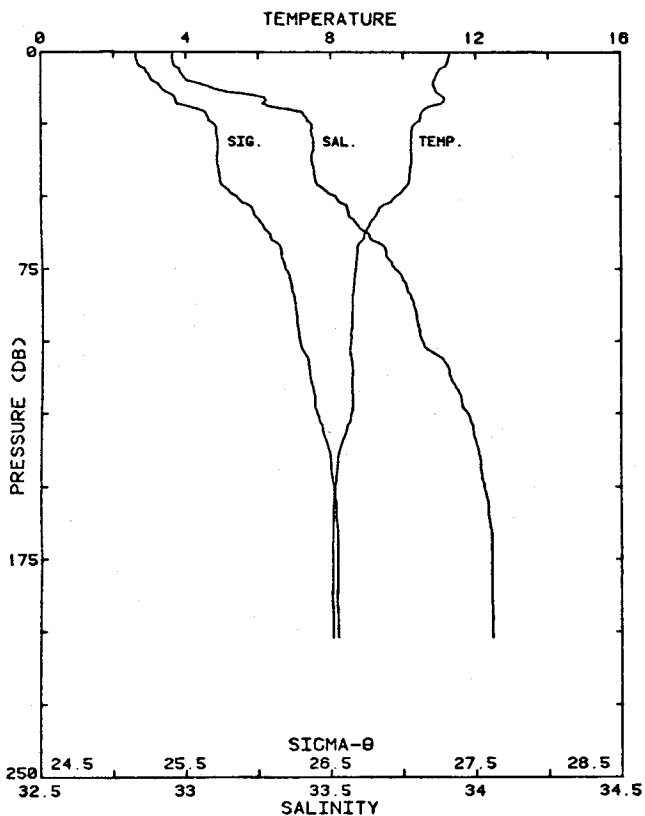
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.643	32.777	11.643	24.951	301.4	0.003
10	11.063	33.063	11.062	25.277	270.5	0.029
20	10.867	33.253	10.865	25.460	253.3	0.055
30	10.587	33.297	10.583	25.543	245.6	0.080
40	10.612	33.341	10.608	25.574	243.0	0.104
50	10.575	33.398	10.570	25.625	238.4	0.128
60	10.588	33.435	10.581	25.651	236.1	0.152
70	10.141	33.396	10.133	25.698	231.8	0.176
80	8.976	33.447	8.967	25.929	209.9	0.198
90	8.807	33.507	8.797	26.002	203.1	0.218
100	8.611	33.658	8.601	26.151	189.2	0.238
110	8.355	33.730	8.344	26.246	180.2	0.257
120	8.332	33.796	8.320	26.302	175.2	0.274
130	8.314	33.821	8.301	26.324	173.2	0.292
140	8.302	33.909	8.288	26.395	166.8	0.309
150	7.876	33.882	7.861	26.437	162.8	0.325
175	8.059	33.982	8.042	26.489	158.4	0.365
200	8.145	34.058	8.124	26.536	154.4	0.404
225	7.919	34.078	7.897	26.586	150.1	0.442
250	7.775	34.094	7.751	26.619	147.3	0.479
300	7.466	34.138	7.437	26.700	140.4	0.551
400	6.689	34.167	6.653	26.831	128.9	0.685
500	6.067	34.230	6.023	26.962	117.4	0.809
600	5.360	34.237	5.310	27.056	109.0	0.922
681	4.821	34.296	4.767	27.165	98.8	1.006

STA NO 42 ,IR5 LAT: 39 3.0 N LONG:124 0.0 W
 18 JUL 1982 0530 GMT PROBE 2567 DEPTH 540M
 26.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.579	33.092	11.579	25.207	277.0	0.003
10	11.200	33.117	11.198	25.295	268.8	0.027
20	10.518	33.126	10.515	25.423	256.9	0.054
30	9.732	33.198	9.728	25.611	239.1	0.079
40	9.248	33.348	9.243	25.808	220.6	0.102
50	9.083	33.383	9.077	25.861	215.8	0.123
60	8.720	33.566	8.714	26.061	196.9	0.144
70	8.630	33.617	8.623	26.115	192.0	0.163
80	8.575	33.656	8.567	26.154	188.4	0.182
90	8.512	33.706	8.503	26.203	184.0	0.201
100	8.465	33.731	8.454	26.230	181.6	0.219
110	8.427	33.763	8.416	26.261	178.8	0.237
120	8.441	33.872	8.428	26.344	171.2	0.255
130	8.325	33.912	8.312	26.394	166.7	0.272
140	8.204	33.975	8.190	26.461	160.4	0.288
150	8.215	33.988	8.200	26.470	159.8	0.304
175	8.002	34.042	7.984	26.545	153.1	0.343
200	7.960	34.080	7.940	26.581	150.1	0.381
225	7.873	34.090	7.851	26.602	148.5	0.418
250	7.706	34.111	7.681	26.643	145.0	0.455
300	7.327	34.140	7.299	26.721	138.3	0.525
400	6.869	34.165	6.832	26.805	131.6	0.660
500	6.038	34.224	5.994	26.962	117.4	0.785
521	5.691	34.225	5.647	27.006	113.1	0.809



STATION 42 IR 5



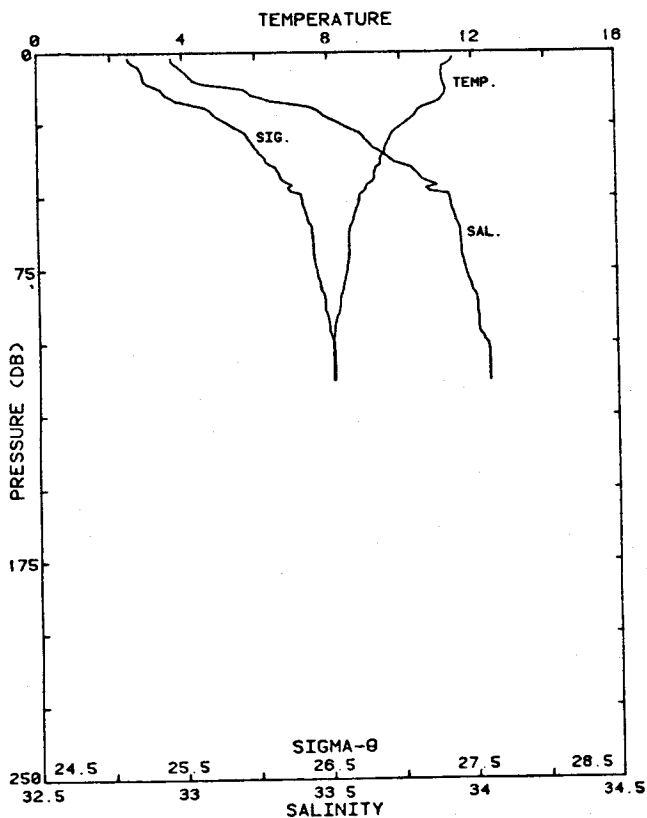
STATION 43 IR 4

STA NO 43 ,IR4 LAT: 39 3.0 N LONG:123 56.5 W
 18 JUL 1982 0632 GMT PROBE 2567 DEPTH 206M
 21.4 KM FROM SHORE

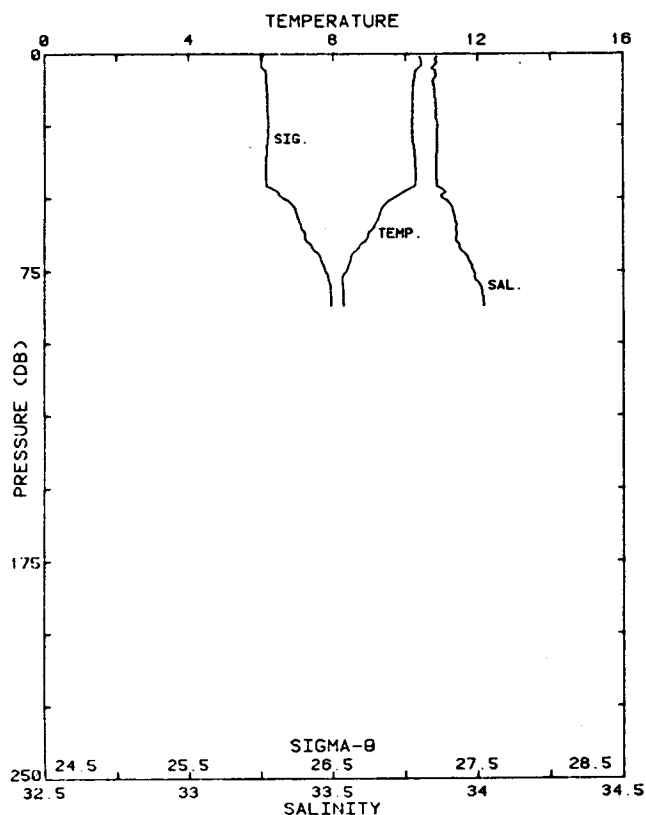
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.283	32.953	11.282	25.153	282.2	0.003
10	10.852	33.002	10.851	25.268	271.4	0.028
20	10.593	33.348	10.590	25.583	241.7	0.054
30	10.216	33.437	10.213	25.716	229.2	0.077
40	10.196	33.439	10.191	25.722	228.9	0.100
50	9.803	33.516	9.797	25.848	217.1	0.123
60	9.056	33.594	9.050	26.031	199.9	0.143
70	8.725	33.692	8.718	26.159	187.8	0.163
80	8.628	33.759	8.620	26.227	181.6	0.181
90	8.583	33.795	8.574	26.262	178.4	0.199
100	8.549	33.817	8.539	26.285	176.5	0.217
110	8.592	33.909	8.581	26.350	170.5	0.234
120	8.587	33.950	8.575	26.383	157.5	0.251
130	8.425	33.990	8.411	26.440	142.3	0.268
140	8.178	34.013	8.164	26.495	157.2	0.284
150	8.112	34.028	8.097	26.517	155.3	0.299
175	8.041	34.053	8.024	26.548	152.8	0.338
200	8.047	34.054	8.027	26.548	153.3	0.376
202	8.046	34.055	8.026	26.549	153.2	0.379

STA NO 44 ,IR3 LAT: 39 3.0 N LONG:123 53.0 W
 18 JUL 1982 0730 GMT PROBE 2567 DEPTH 118M
 16.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.475	32.961	11.475	25.124	284.9	0.006
10	11.190	33.037	11.189	25.235	274.6	0.028
20	10.512	33.462	10.509	25.685	232.0	0.054
30	9.705	33.630	9.702	25.952	206.7	0.076
40	9.328	33.788	9.324	26.138	189.3	0.095
50	8.864	33.922	8.859	26.317	172.5	0.114
60	8.602	33.954	8.596	26.383	166.4	0.131
70	8.561	33.962	8.554	26.396	165.4	0.147
80	8.417	33.992	8.409	26.442	161.2	0.164
90	8.256	34.016	8.247	26.485	157.2	0.180
100	8.113	34.049	8.103	26.533	152.9	0.195
110	8.109	34.053	8.098	26.537	152.7	0.210
113	8.110	34.054	8.098	26.537	152.7	0.215



STATION 44 IR 3



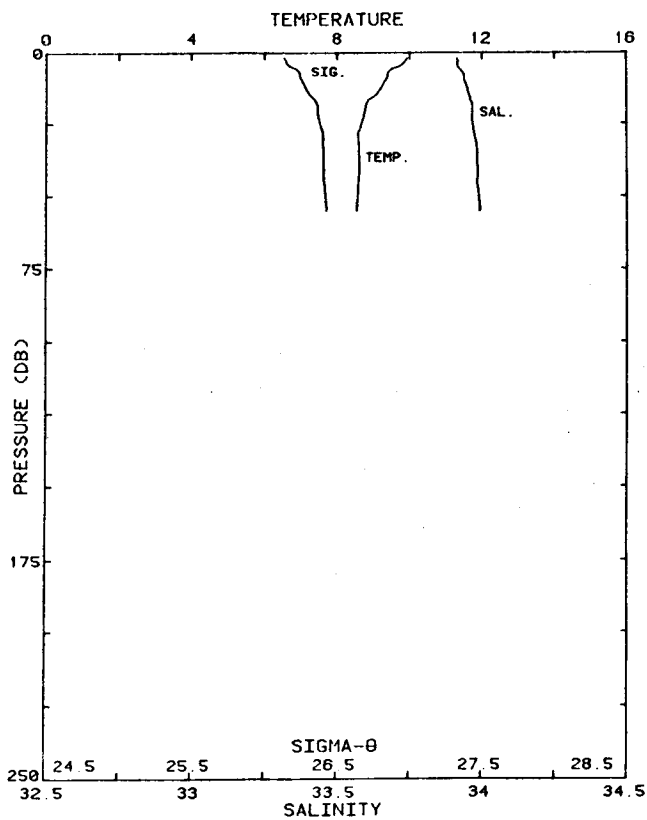
STATION 45 IR 2

STA NO 45 ,IR2 LAT: 39 3.0 N LONG:123 48.4 W
 18 JUL 1982 0812 GMT PROBE 2567 DEPTH 91M
 9.8 KM FROM SHORE

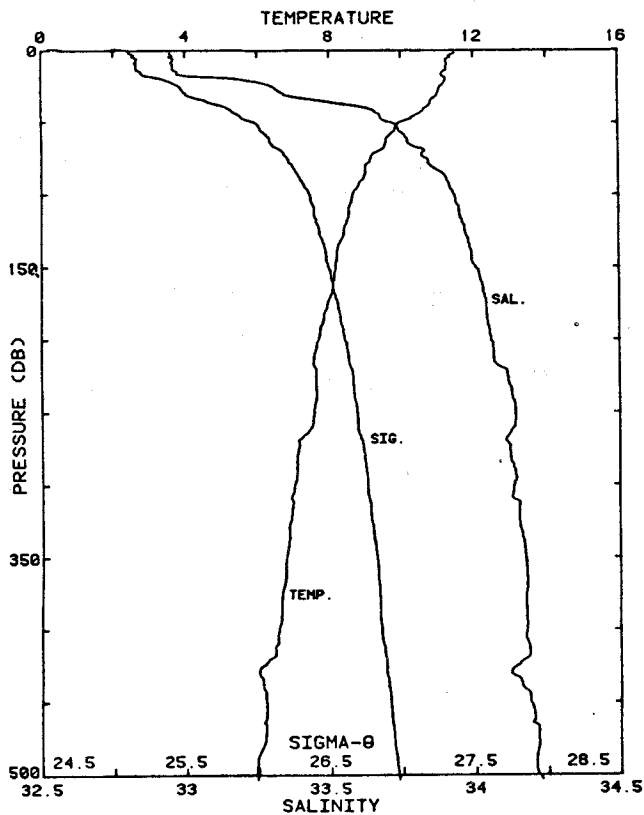
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	10.395	33.858	10.395	26.013	200.4	0.002
10	10.214	33.844	10.213	26.034	198.6	0.020
20	10.191	33.855	10.188	26.046	197.7	0.040
30	10.208	33.858	10.204	26.046	197.9	0.060
40	10.279	33.856	10.274	26.032	199.4	0.079
50	9.683	33.878	9.677	26.151	188.4	0.099
60	9.121	33.925	9.115	26.278	176.4	0.117
70	8.479	33.964	8.472	26.410	164.0	0.134
80	8.258	34.009	8.250	26.479	157.6	0.150
87	8.282	34.020	8.274	26.484	157.3	0.161

STA NO 46 ,IR1 LAT: 39 3.0 N LONG:123 44.4 W
 18 JUL 1982 0850 GMT PROBE 2567 DEPTH 60M
 4.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
2	9.938	33.912	9.938	26.133	189.0	0.004
10	9.335	33.938	9.334	26.253	177.7	0.018
20	8.766	33.966	8.764	26.366	167.2	0.036
30	8.576	33.976	8.573	26.404	163.8	0.052
40	8.599	33.985	8.595	26.407	163.7	0.069
50	8.558	33.989	8.553	26.417	163.0	0.085
55	8.532	33.992	8.526	26.423	162.4	0.093



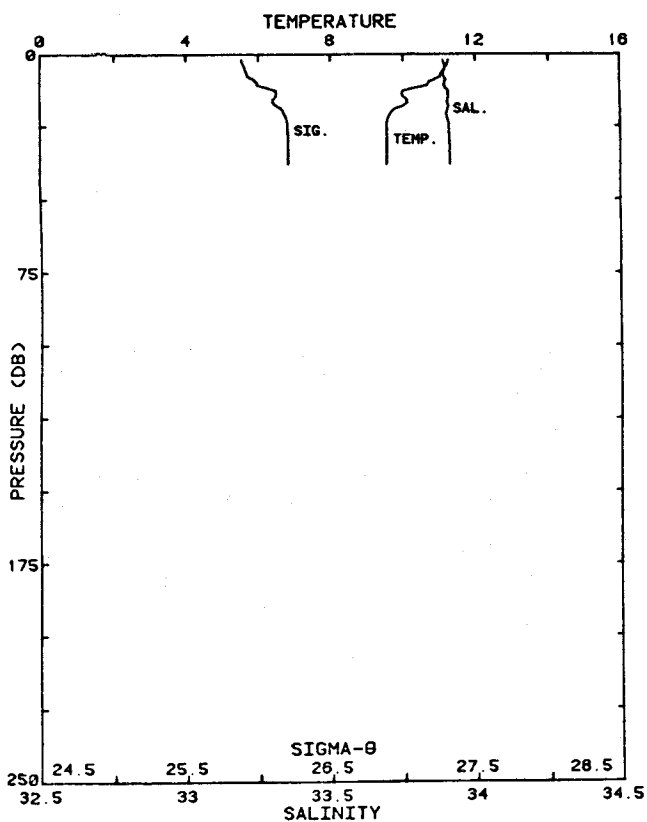
STATION 46 IR 1



STATION 47 WF 1

STA NO 47 ,WF1 LAT: 38 44.0 N LONG:124 3.3 W
18 JUL 1982 2244 GMT PROBE 2567 DEPTH 634M

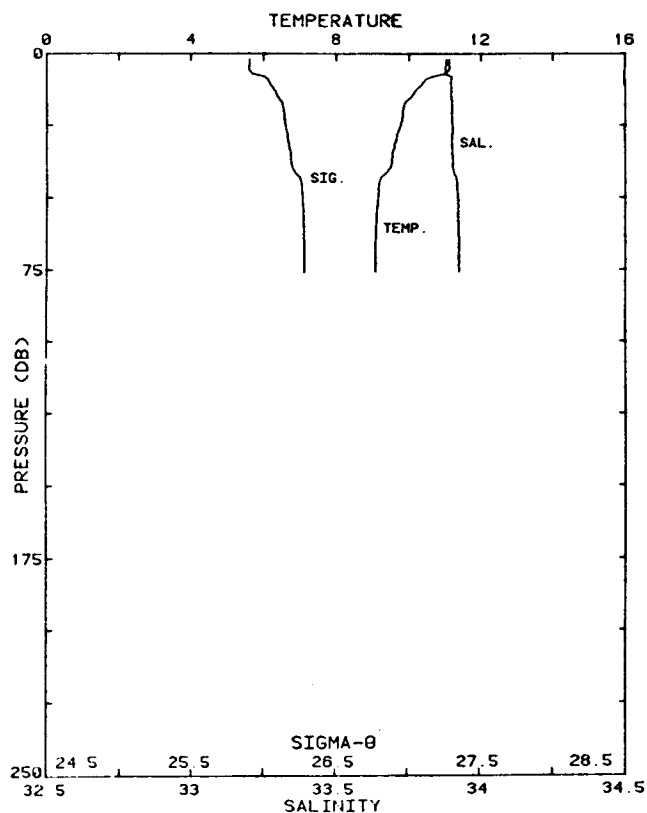
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.494	32.946	11.494	25.109	286.3	0.006
10	11.264	32.958	11.263	25.161	281.6	0.028
20	11.241	33.174	11.239	25.332	265.5	0.056
30	11.021	33.340	11.017	25.501	249.7	0.082
40	10.655	33.632	10.650	25.792	222.2	0.105
50	9.948	33.719	9.942	25.982	204.4	0.127
60	9.626	33.768	9.620	26.074	195.9	0.147
70	9.345	33.829	9.337	26.168	187.1	0.166
80	8.995	33.853	8.986	26.243	180.1	0.184
90	8.889	33.907	8.879	26.302	174.7	0.202
100	8.634	33.933	8.624	26.362	169.2	0.219
110	8.530	33.949	8.519	26.391	166.6	0.236
120	8.465	33.962	8.453	26.411	164.9	0.253
130	8.351	33.979	8.338	26.442	162.1	0.269
140	8.201	33.991	8.187	26.475	159.1	0.285
150	8.162	34.003	8.147	26.490	157.9	0.301
175	7.928	34.041	7.910	26.555	152.1	0.340
200	7.684	34.057	7.665	26.603	147.9	0.377
225	7.609	34.114	7.587	26.660	142.9	0.414
250	7.550	34.139	7.526	26.688	140.7	0.449
300	7.007	34.134	6.979	26.760	134.3	0.518
400	6.562	34.175	6.526	26.854	126.7	0.648
500	5.942	34.218	5.899	26.969	116.6	0.769
503	5.963	34.226	5.919	26.972	116.4	0.773



STATION 48 COC 1

STA NO 48 ,COC1 LAT: 38 39.9 N LONG:123 25.4 W
19 JUL 1982 1841 GMT PROBE 2567 DEPTH 43M
0.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.259	33.889	11.259	25.883	212.7	0.004
10	10.703	33.893	10.702	25.987	203.1	0.021
20	9.672	33.899	9.670	26.168	186.1	0.040
30	9.529	33.909	9.526	26.200	183.3	0.059
38	9.530	33.910	9.526	26.201	183.3	0.073



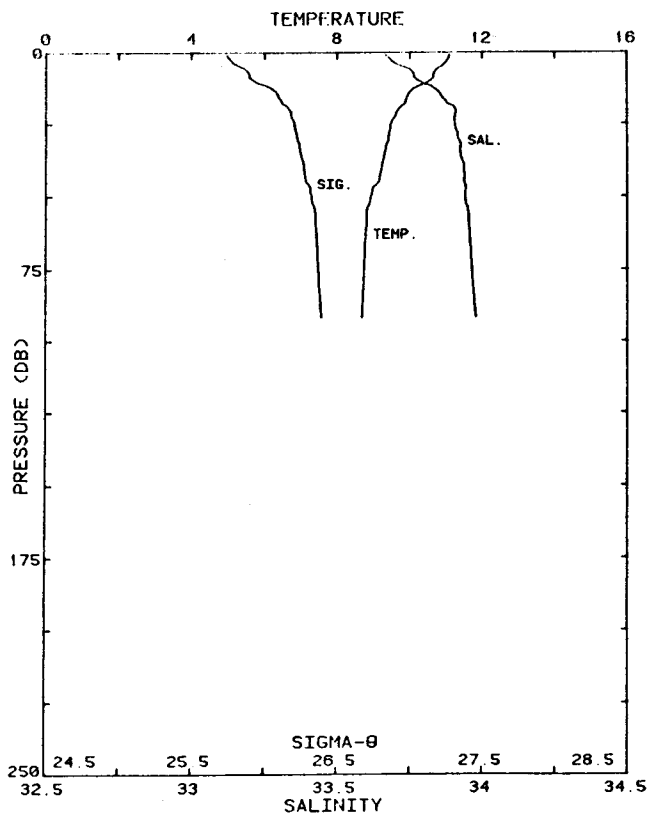
STATION 49 COC 2

STA NO 49 ,COC2 LAT: 38 38.8 N LONG:123 27.0 W
 19 JUL 1982 1912 GMT PROBE 2567 DEPTH 80M
 3.8 KM FROM SHORE

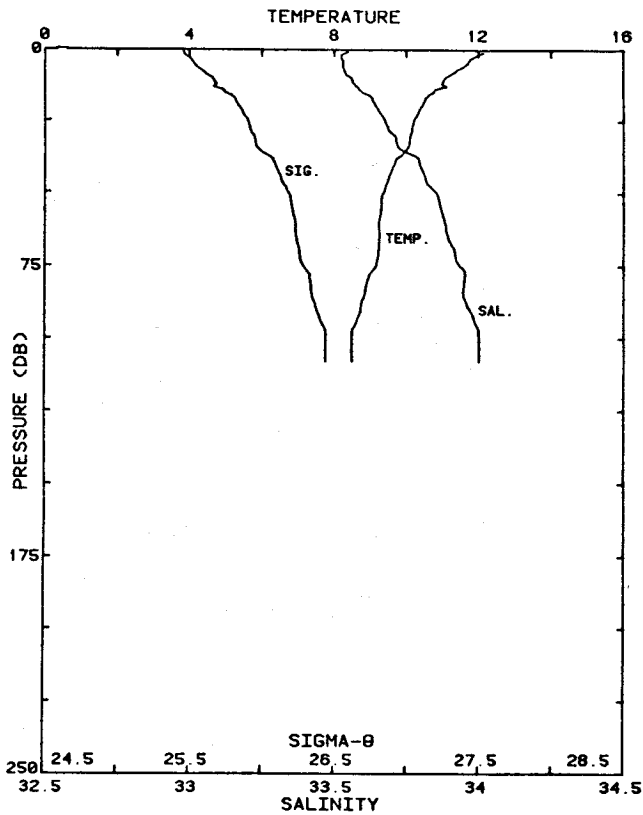
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.118	33.880	11.118	25.902	210.9	0.004
10	10.397	33.896	10.396	26.042	197.8	0.021
20	9.841	33.899	9.838	26.140	188.7	0.040
30	9.662	33.900	9.658	26.170	186.1	0.059
40	9.490	33.904	9.486	26.202	183.2	0.077
50	9.166	33.922	9.160	26.269	177.1	0.095
60	9.116	33.925	9.109	26.280	176.3	0.113
70	9.102	33.926	9.095	26.283	176.2	0.130
76	9.102	33.926	9.094	26.283	176.3	0.141

STA NO 50 ,COC3 LAT: 38 37.4 N LONG:123 29.0 W
 19 JUL 1982 1943 GMT PROBE 2567 DEPTH 96M
 7.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.100	33.666	11.100	25.739	226.4	0.002
10	10.575	33.776	10.574	25.918	209.6	0.022
20	9.699	33.908	9.697	26.170	185.9	0.041
30	9.400	33.917	9.397	26.227	180.6	0.060
40	9.224	33.938	9.220	26.272	176.6	0.078
50	8.927	33.943	8.921	26.323	171.9	0.095
60	8.802	33.954	8.795	26.352	169.4	0.112
70	8.754	33.962	8.747	26.366	168.2	0.129
80	8.729	33.967	8.721	26.374	167.7	0.146
90	8.683	33.976	8.674	26.388	166.5	0.162
92	8.675	33.978	8.666	26.391	166.3	0.166



STATION 50 COC 3



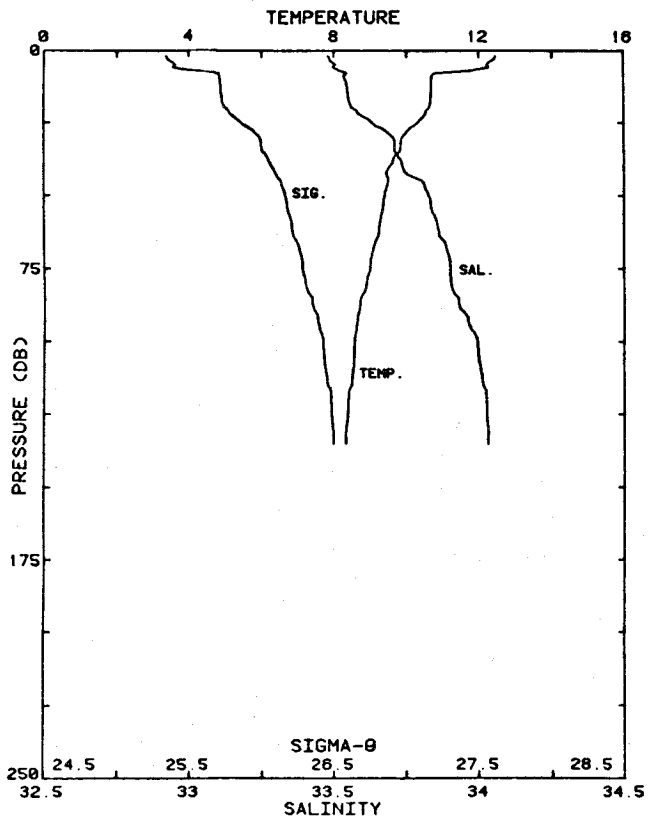
STATION 51 COC 4

STA NO 51 ,COC4 LAT: 38 36.2 N LONG:123 30.8 W
 19 JUL 1982 2014 GMT PROBE 2567 DEPTH 112M
 11.1 KM FROM SHORE

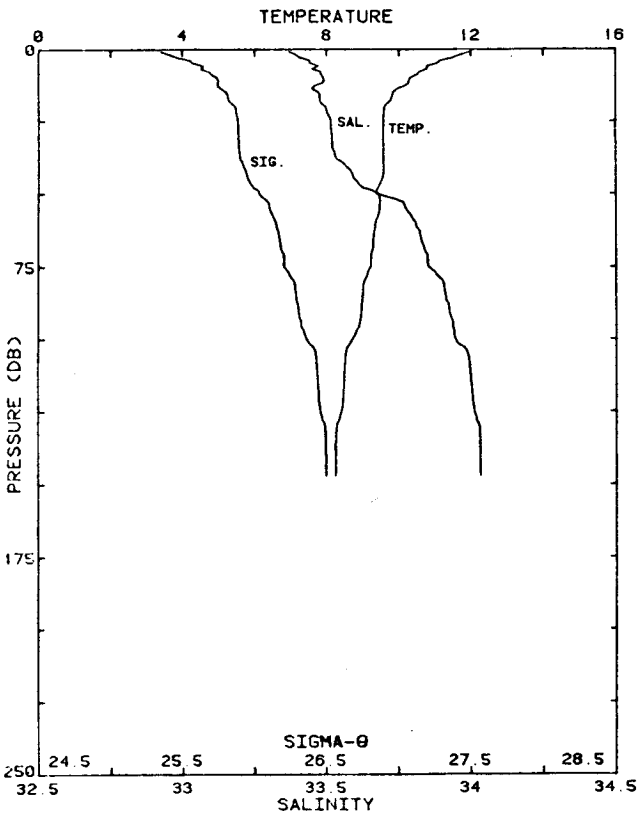
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.117	33.545	12.117	25.457	253.2	0.003
10	11.067	33.559	11.066	25.662	233.9	0.025
20	10.415	33.645	10.413	25.844	216.9	0.047
30	10.117	33.710	10.114	25.946	207.4	0.068
40	9.671	33.796	9.667	26.088	194.1	0.088
50	9.348	33.854	9.343	26.186	185.0	0.107
60	9.229	33.882	9.223	26.228	181.2	0.126
70	9.219	33.917	9.211	26.257	178.7	0.144
80	8.922	33.950	8.914	26.330	171.8	0.161
90	8.725	33.967	8.716	26.373	167.8	0.178
100	8.483	34.001	8.472	26.439	161.9	0.195
108	8.485	34.001	8.474	26.439	162.0	0.208

STA NO 52 ,COC5 LAT: 38 34.6 N LONG:123 33.4 W
 19 JUL 1982 2046 GMT PROBE 2567 DEPTH 138M
 15.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	12.450	33.479	12.449	25.343	264.1	0.005
10	10.669	33.538	10.668	25.716	228.8	0.025
20	10.606	33.561	10.604	25.746	226.2	0.048
30	9.862	33.703	9.859	25.983	203.8	0.070
40	9.525	33.735	9.521	26.065	196.3	0.090
50	9.377	33.823	9.371	26.157	187.7	0.109
60	9.236	33.855	9.229	26.206	183.3	0.127
70	9.042	33.893	9.035	26.267	177.7	0.145
80	8.886	33.903	8.878	26.299	174.7	0.163
90	8.663	33.945	8.653	26.367	168.5	0.180
100	8.551	33.994	8.541	26.423	163.4	0.197
110	8.508	34.004	8.496	26.437	162.2	0.213
120	8.368	34.024	8.356	26.475	158.8	0.229
130	8.311	34.029	8.298	26.488	157.8	0.245
135	8.299	34.030	8.285	26.490	157.6	0.253



STATION 52 COC 5



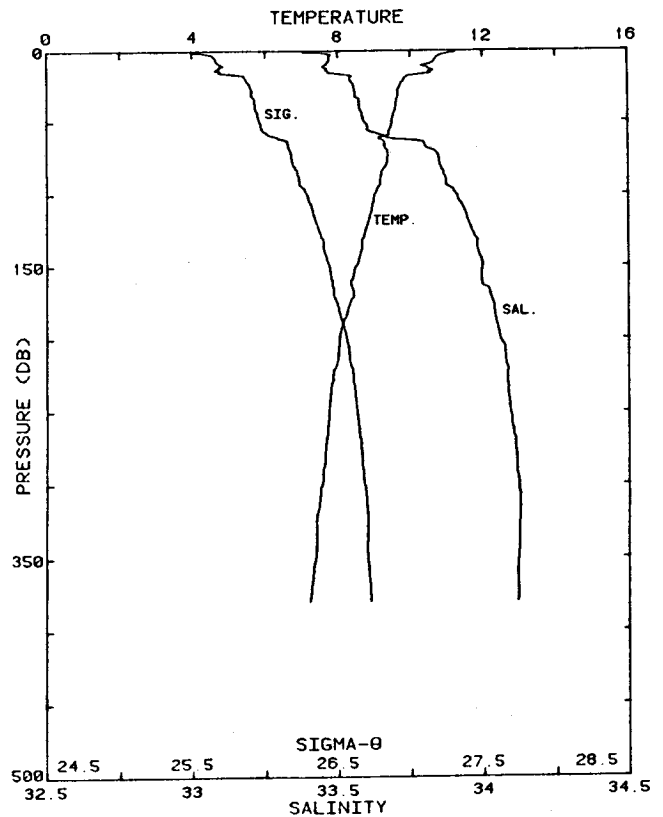
STATION 53 COC 6

STA NO 53 ,COC6 LAT: 38 32.7 N LONG:123 36.2 W
 19 JUL 1982 2129 GMT PROBE 2567 DEPTH 153M
 21.2 KM FROM SHORE

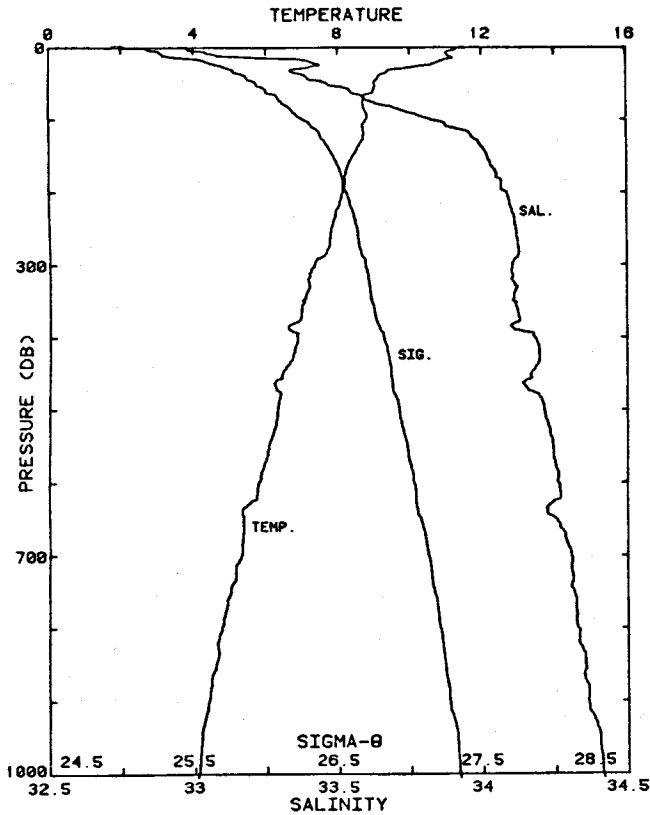
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.951	33.368	11.951	25.351	263.3	0.003
10	10.329	33.487	10.328	25.736	226.9	0.024
20	9.593	33.495	9.591	25.866	214.7	0.047
30	9.562	33.518	9.559	25.889	212.7	0.068
40	9.571	33.561	9.567	25.921	209.9	0.089
50	9.400	33.673	9.395	26.036	199.2	0.110
60	9.352	33.809	9.345	26.150	188.6	0.129
70	9.257	33.843	9.250	26.193	184.7	0.148
80	9.051	33.902	9.043	26.272	177.4	0.166
90	8.962	33.925	8.953	26.304	174.5	0.183
100	8.715	33.945	8.704	26.359	169.4	0.201
110	8.502	33.997	8.490	26.433	162.6	0.217
120	8.459	34.006	8.447	26.446	161.5	0.233
130	8.287	34.029	8.273	26.491	157.4	0.249
140	8.260	34.032	8.246	26.498	157.0	0.265
147	8.254	34.033	8.239	26.500	156.9	0.276

STA NO 54 ,COC7 LAT: 38 30.3 N LONG:123 39.5 W
 19 JUL 1982 2218 GMT PROBE 2567 DEPTH 385M
 27.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.243	33.381	11.243	25.492	249.9	0.002
10	10.435	33.458	10.434	25.695	230.8	0.024
20	9.826	33.539	9.824	25.862	215.2	0.046
30	9.649	33.558	9.646	25.906	211.2	0.068
40	9.587	33.574	9.582	25.929	209.2	0.089
50	9.483	33.589	9.477	25.958	206.7	0.109
60	9.321	33.659	9.314	26.039	199.2	0.130
70	9.355	33.832	9.317	26.169	187.0	0.149
80	9.328	33.851	9.319	26.188	185.4	0.168
90	9.154	33.872	9.144	26.232	181.4	0.186
100	9.010	33.908	9.000	26.284	176.6	0.204
110	8.914	33.935	8.902	26.320	173.4	0.221
120	8.806	33.952	8.793	26.351	170.7	0.239
130	8.694	33.972	8.681	26.384	167.7	0.255
140	8.612	33.982	8.597	26.405	165.9	0.272
150	8.476	33.995	8.460	26.436	163.1	0.289
175	8.320	34.032	8.302	26.489	158.5	0.329
200	8.016	34.055	7.996	26.553	152.8	0.368
225	7.844	34.081	7.822	26.600	148.7	0.405
250	7.724	34.091	7.699	26.625	146.7	0.442
300	7.535	34.120	7.506	26.675	142.7	0.515
380	7.199	34.115	7.163	26.720	139.6	0.627



STATION 54 COC 7



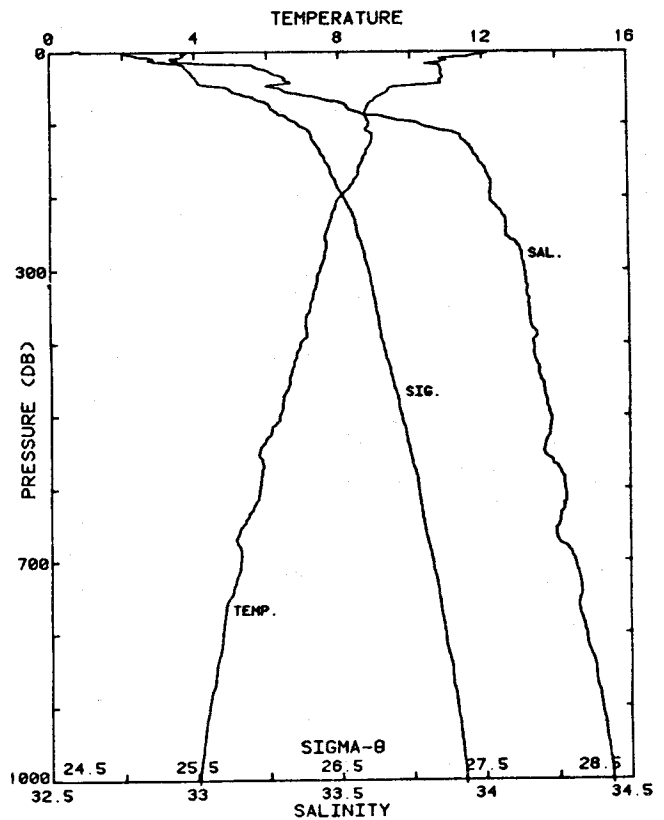
STATION 55 COC 8

STA NO 55 ,COC8 LAT: 38 27.0 N LONG:123 44.5 W
 19 JUL 1982 2320 GMT PROBE 2567 DEPTH 1221M
 37.2 KM FROM SHORE

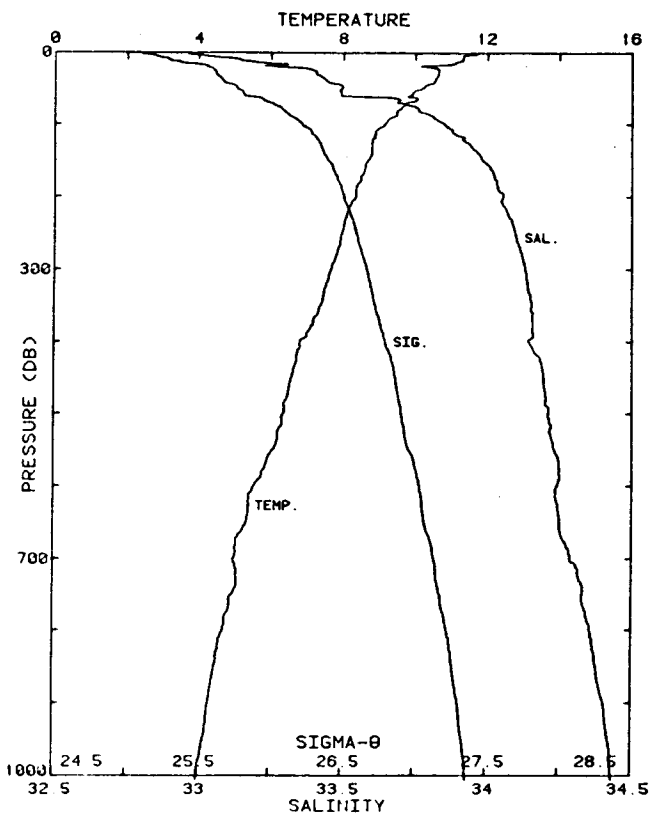
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.290	32.978	11.290	25.171	280.5	0.006
10	11.052	33.065	11.051	25.281	270.1	0.028
20	10.828	33.398	10.825	25.580	242.0	0.053
30	9.780	33.374	9.777	25.740	226.9	0.077
40	9.144	33.385	9.140	25.853	216.3	0.099
50	9.018	33.460	9.013	25.932	209.1	0.120
60	8.991	33.540	8.984	25.999	202.9	0.141
70	8.715	33.589	8.708	26.080	195.3	0.161
80	8.703	33.651	8.695	26.131	190.7	0.180
90	8.782	33.740	8.773	26.188	185.5	0.199
100	8.785	33.823	8.774	26.253	179.6	0.217
110	8.690	33.884	8.678	26.314	173.8	0.235
120	8.718	33.960	8.706	26.371	168.7	0.252
130	8.648	33.986	8.635	26.402	165.9	0.269
140	8.523	34.003	8.509	26.435	163.0	0.285
150	8.405	34.016	8.390	26.463	160.5	0.301
175	8.199	34.048	8.181	26.520	155.5	0.341
200	8.132	34.085	8.112	26.559	152.3	0.379
225	7.947	34.103	7.925	26.601	148.6	0.417
250	7.804	34.116	7.779	26.633	146.1	0.454
300	7.338	34.104	7.309	26.691	141.1	0.526
400	6.867	34.182	6.830	26.818	130.3	0.662
500	6.299	34.213	6.255	26.920	121.7	0.789
600	5.768	34.260	5.716	27.025	112.5	0.906
800	4.735	34.326	4.671	27.200	96.8	1.114
1000	4.100	34.414	4.024	27.339	84.4	1.294
1005	4.070	34.417	3.993	27.345	83.8	1.299

STA NO 56 ,COC9 LAT: 38 24.0 N LONG:123 49.3 W
 20 JUL 1982 0054 GMT PROBE 2567 DEPTH 1729M
 46.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	12.133	32.970	12.133	25.009	295.9	0.006
10	10.791	32.914	10.790	25.210	276.9	0.029
20	10.817	33.202	10.815	25.430	256.3	0.056
30	10.832	33.264	10.828	25.475	252.1	0.081
40	10.793	33.306	10.788	25.515	248.6	0.106
50	9.466	33.274	9.460	25.715	229.7	0.131
60	9.223	33.365	9.216	25.825	219.4	0.153
70	8.921	33.496	8.913	25.975	205.3	0.174
80	8.776	33.535	8.768	26.029	200.4	0.195
90	8.762	33.656	8.753	26.126	191.4	0.214
100	8.848	33.778	8.838	26.208	183.8	0.233
110	8.796	33.878	8.784	26.294	175.8	0.251
120	8.935	33.925	8.922	26.309	174.6	0.269
130	8.859	33.953	8.845	26.344	171.6	0.286
140	8.759	33.967	8.744	26.370	169.2	0.303
150	8.663	33.985	8.647	26.399	166.7	0.320
175	8.437	34.019	8.419	26.461	161.2	0.361
200	8.015	34.022	7.995	26.528	155.2	0.400
225	7.779	34.064	7.757	26.595	149.1	0.438
250	7.612	34.076	7.588	26.629	146.2	0.475
300	7.445	34.138	7.416	26.703	140.1	0.547
400	6.883	34.167	6.846	26.805	131.6	0.682
500	6.292	34.226	6.248	26.930	120.7	0.809
600	5.732	34.273	5.681	27.040	111.1	0.925
800	4.689	34.344	4.625	27.219	94.9	1.131
1000	4.054	34.433	3.978	27.359	82.4	1.306
1005	4.041	34.434	3.965	27.362	82.2	1.311



STATION 56 COC 9



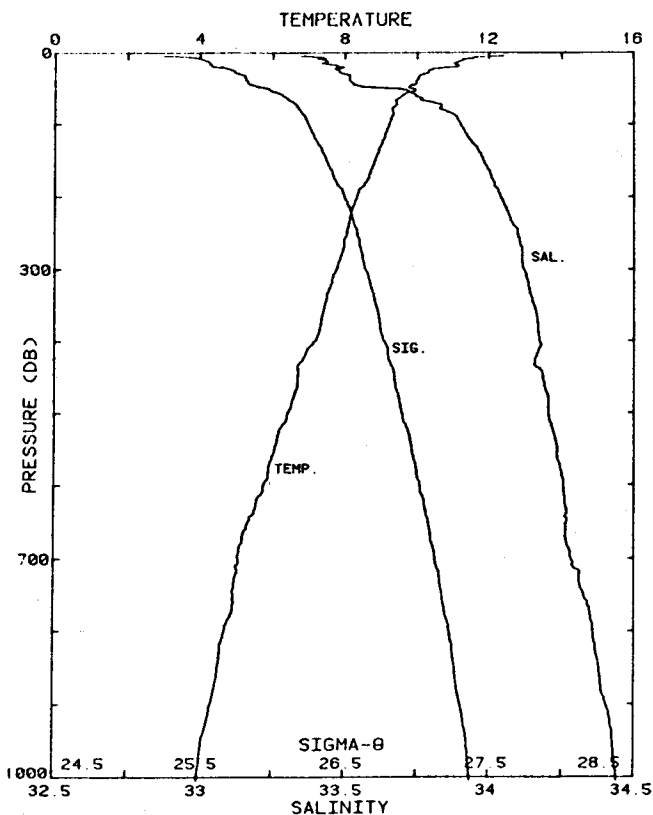
STATION 57 COC 10

STA NO 57 ,COC10 LAT: 38 20.8 N LONG:123 54.5 W
 20 JUL 1982 0217 GMT PROBE 2567 DEPTH 2415M
 55.7 KM FROM SHORE

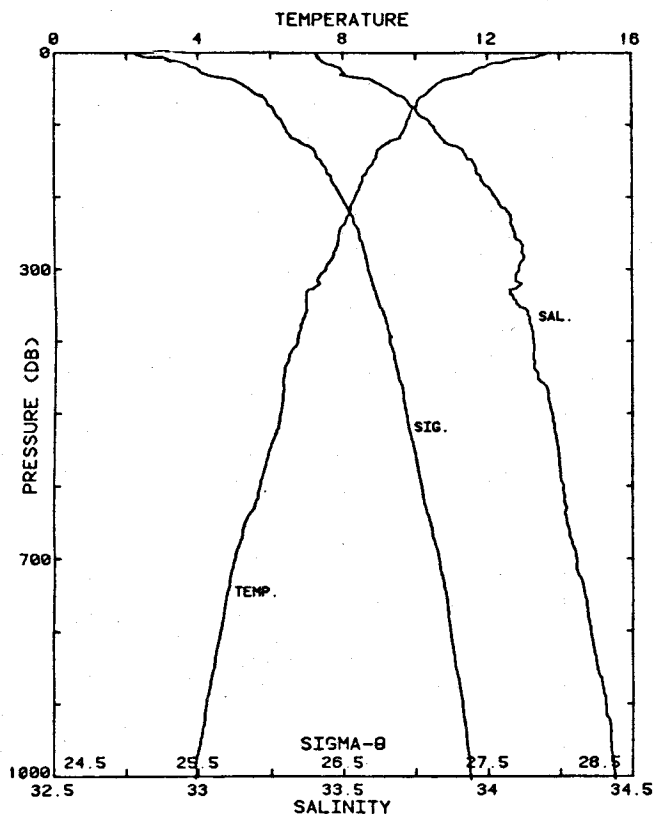
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.677	32.981	11.677	25.103	286.9	0.006
10	11.292	33.144	11.291	25.299	268.4	0.028
20	10.378	33.269	10.376	25.558	244.1	0.053
30	10.627	33.405	10.624	25.621	238.3	0.077
40	10.524	33.444	10.519	25.669	233.9	0.101
50	10.172	33.494	10.167	25.769	224.6	0.124
60	9.864	33.492	9.857	25.820	220.0	0.146
70	9.728	33.684	9.720	25.993	203.7	0.167
80	9.537	33.761	9.528	26.084	195.3	0.187
90	9.371	33.812	9.362	26.151	189.1	0.206
100	9.155	33.853	9.145	26.217	183.0	0.225
110	8.889	33.877	8.877	26.279	177.3	0.243
120	8.808	33.912	8.795	26.319	173.7	0.260
130	8.795	33.943	8.781	26.346	171.4	0.277
140	8.787	33.967	8.773	26.366	169.7	0.295
150	8.672	33.983	8.656	26.397	166.9	0.311
175	8.473	34.024	8.455	26.459	161.4	0.352
200	8.334	34.053	8.313	26.504	157.6	0.392
225	8.087	34.072	8.064	26.556	152.9	0.431
250	7.952	34.095	7.927	26.595	149.7	0.469
300	7.664	34.130	7.635	26.665	143.8	0.542
400	6.809	34.143	6.772	26.796	132.4	0.681
500	6.376	34.213	6.331	26.910	122.7	0.807
600	5.566	34.243	5.516	27.036	111.1	0.925
800	4.713	34.359	4.649	27.228	94.1	1.130
1000	4.005	34.435	3.929	27.366	81.7	1.305
1006	3.994	34.435	3.918	27.367	81.6	1.310

STA NO 58 ,COC11 LAT: 38 17.6 N LONG:123 59.3 W
 20 JUL 1982 0331 GMT PROBE 2567 DEPTH 3386M
 64.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
5	12.396	33.347	12.395	25.251	272.9	0.014
10	11.265	33.403	11.264	25.505	248.9	0.026
20	11.144	33.474	11.142	25.582	241.7	0.051
30	10.271	33.487	10.263	25.746	226.4	0.074
40	9.991	33.513	9.986	25.814	220.1	0.096
50	9.730	33.591	9.725	25.918	210.4	0.118
60	9.604	33.744	9.598	26.059	197.3	0.138
70	9.419	33.798	9.412	26.132	190.5	0.158
80	9.288	33.833	9.279	26.180	186.1	0.176
90	9.290	33.886	9.280	26.222	182.4	0.195
100	9.224	33.901	9.214	26.244	180.5	0.213
110	9.147	33.915	9.135	26.268	178.4	0.231
120	9.075	33.932	9.062	26.293	176.2	0.249
130	8.982	33.953	8.968	26.324	173.5	0.266
140	8.897	33.971	8.882	26.351	171.1	0.283
150	8.825	33.979	8.809	26.370	169.5	0.300
175	8.643	34.009	8.625	26.422	165.0	0.342
200	8.323	34.039	8.302	26.494	158.5	0.383
225	8.151	34.067	8.128	26.543	154.3	0.422
250	8.044	34.097	8.019	26.583	150.9	0.460
300	7.764	34.117	7.734	26.640	146.2	0.534
400	7.190	34.173	7.152	26.767	135.5	0.674
500	6.411	34.204	6.366	26.898	123.9	0.803
600	5.764	34.256	5.713	27.022	112.8	0.921
800	4.706	34.359	4.643	27.229	93.9	1.127
1000	3.969	34.441	3.893	27.374	80.8	1.301
1005	3.964	34.441	3.888	27.375	80.7	1.305



STATION 58 COC 11



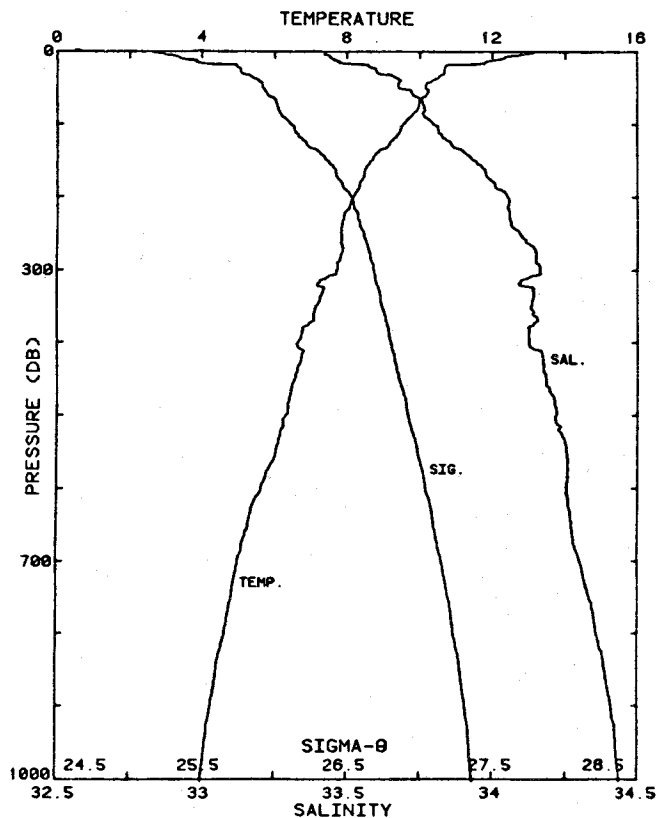
STATION 59 ROS 10

STA NO 59 ,ROS10 LAT: 38 6.8 N LONG:123 45.5 W
 20 JUL 1982 0545 GHT PROBE 2567 DEPTH 2615H
 64.8 KM FROM SHORE

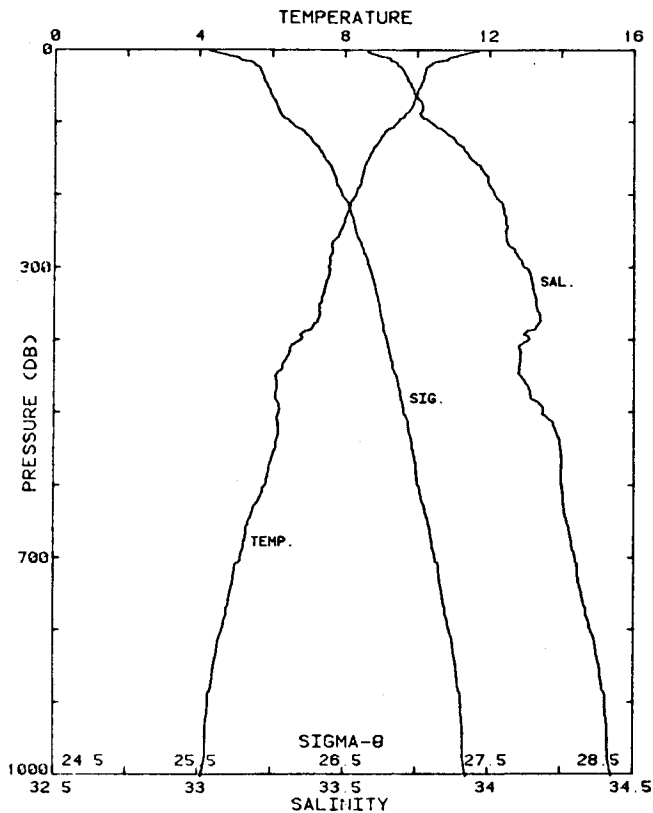
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.646	33.409	13.646	25.051	291.9	0.003
10	12.644	33.416	12.643	25.256	272.6	0.029
20	11.932	33.469	11.929	25.434	255.9	0.055
30	11.539	33.505	11.535	25.534	246.6	0.080
40	10.726	33.605	10.721	25.759	225.4	0.104
50	10.445	33.652	10.439	25.845	217.5	0.126
60	10.225	33.689	10.218	25.912	211.3	0.147
70	10.032	33.725	10.024	25.973	205.7	0.168
80	9.882	33.752	9.873	26.019	201.5	0.188
90	9.818	33.773	9.808	26.046	199.1	0.208
100	9.735	33.804	9.724	26.085	195.7	0.228
110	9.651	33.819	9.639	26.111	193.4	0.248
120	9.469	33.843	9.455	26.160	188.9	0.267
130	9.085	33.887	9.071	26.256	180.0	0.285
140	8.920	33.920	8.905	26.308	175.2	0.303
150	8.828	33.946	8.812	26.343	172.0	0.320
175	8.520	33.976	8.502	26.414	165.6	0.363
200	8.308	34.024	8.288	26.485	159.3	0.403
225	8.120	34.075	8.097	26.554	153.2	0.442
250	7.862	34.092	7.838	26.606	148.6	0.480
300	7.501	34.106	7.472	26.670	143.2	0.553
400	6.712	34.156	6.675	26.819	130.1	0.689
500	6.238	34.223	6.193	26.935	120.2	0.813
600	5.661	34.261	5.610	27.039	111.1	0.929
800	4.602	34.354	4.539	27.237	93.0	1.132
1000	3.907	34.440	3.833	27.380	80.2	1.304
1004	3.903	34.440	3.827	27.381	80.1	1.307

STA NO 60 ,ROS9 LAT: 38 10.0 N LONG:123 40.7 W
 20 JUL 1982 0706 GMT PROBE 2567 DEPTH 1826H
 55.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	13.119	33.421	13.119	25.166	280.9	0.006
10	12.275	33.444	12.274	25.349	263.7	0.027
20	10.703	33.571	10.700	25.736	227.1	0.052
30	10.668	33.605	10.664	25.769	224.2	0.075
40	10.343	33.683	10.338	25.886	213.3	0.097
50	10.141	33.677	10.135	25.916	210.6	0.118
60	10.172	33.726	10.165	25.950	207.7	0.139
70	9.979	33.758	9.971	26.007	202.4	0.159
80	9.916	33.766	9.907	26.024	201.0	0.179
90	9.738	33.766	9.728	26.054	198.4	0.199
100	9.544	33.796	9.533	26.110	193.3	0.219
110	9.439	33.814	9.427	26.142	190.4	0.238
120	9.270	33.837	9.257	26.187	186.3	0.257
130	9.132	33.863	9.118	26.230	182.5	0.275
140	8.799	33.909	8.784	26.319	174.1	0.293
150	8.661	33.939	8.645	26.364	170.0	0.310
175	8.419	33.989	8.401	26.440	163.2	0.352
200	8.156	34.050	8.136	26.529	155.1	0.392
225	7.903	34.056	7.880	26.571	151.4	0.430
250	7.822	34.093	7.797	26.612	148.0	0.467
300	7.709	34.161	7.680	26.683	142.1	0.540
400	6.650	34.123	6.614	26.802	131.7	0.677
500	6.305	34.218	6.260	26.923	121.4	0.803
600	5.617	34.254	5.566	27.038	111.0	0.919
800	4.638	34.355	4.575	27.234	93.4	1.122
1000	3.997	34.435	3.921	27.367	81.5	1.294
1003	3.995	34.436	3.919	27.368	81.5	1.297



STATION 60 ROS 9



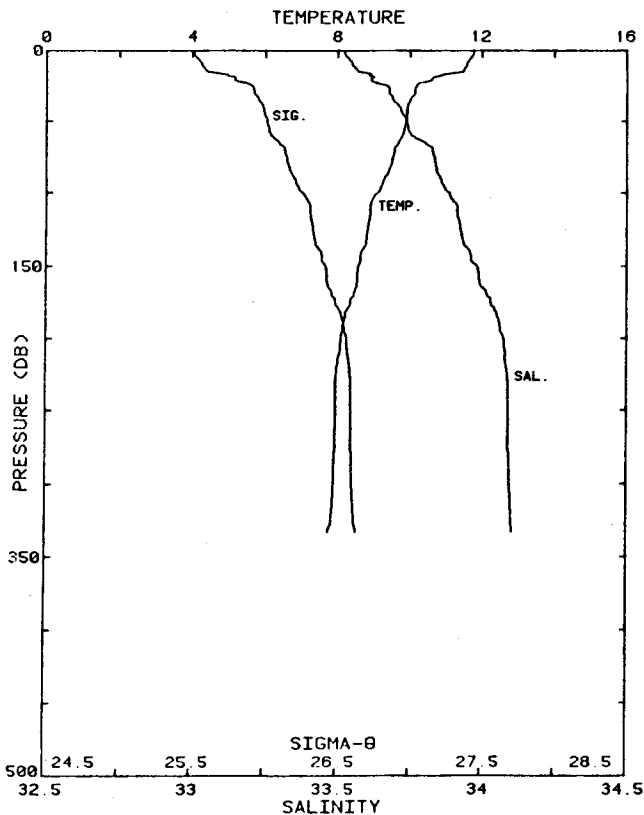
STATION 61 ROS 8

STA NO 61 ,ROS8 LAT: 38 13.2 N LONG:123 35.7 W
 20 JUL 1982 0825 GMT PROBE 2567 DEPTH 1076M
 46.3 KM FROM SHORE

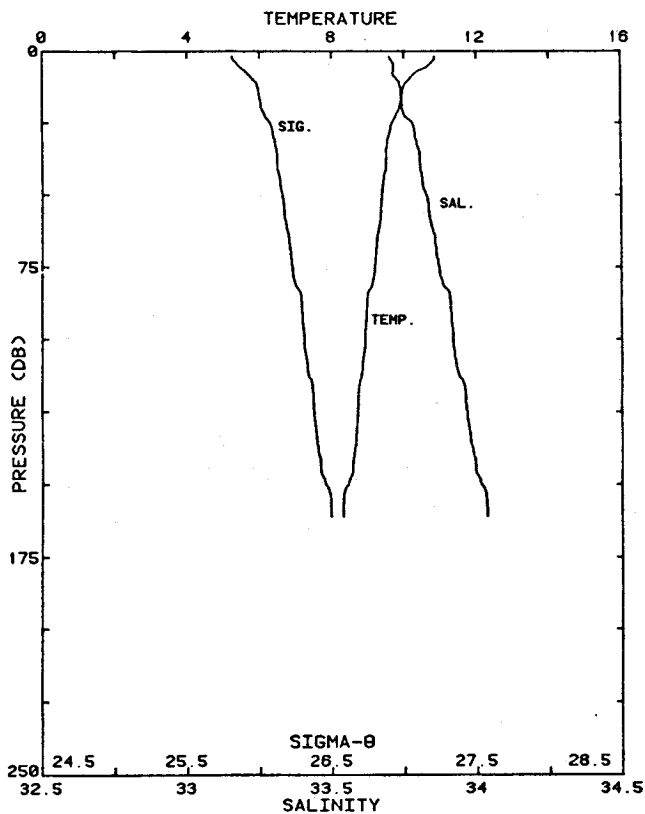
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.694	33.583	11.694	25.566	242.8	0.002
10	10.993	33.625	10.991	25.727	227.8	0.024
20	10.391	33.681	10.389	25.876	213.8	0.046
30	10.215	33.703	10.212	25.924	209.5	0.067
40	10.165	33.717	10.160	25.943	207.8	0.088
50	10.097	33.729	10.091	25.964	206.1	0.108
60	10.007	33.739	10.000	25.988	204.1	0.129
70	9.922	33.760	9.914	26.019	201.3	0.149
80	9.844	33.768	9.835	26.038	199.7	0.169
90	9.652	33.761	9.642	26.065	197.4	0.189
100	9.456	33.794	9.445	26.123	192.0	0.208
110	9.182	33.835	9.170	26.199	184.9	0.227
120	9.015	33.864	9.002	26.249	180.4	0.246
130	8.896	33.887	8.882	26.286	177.0	0.264
140	8.750	33.914	8.735	26.330	173.0	0.281
150	8.649	33.935	8.633	26.362	170.1	0.298
175	8.476	33.994	8.458	26.435	163.6	0.340
200	8.301	34.017	8.281	26.481	159.7	0.380
225	8.061	34.049	8.038	26.542	154.2	0.419
250	7.877	34.056	7.853	26.575	151.6	0.458
300	7.552	34.117	7.523	26.671	143.1	0.531
400	6.800	34.137	6.763	26.792	132.7	0.669
500	6.186	34.185	6.142	26.912	122.3	0.796
600	5.827	34.250	5.775	27.010	114.0	0.913
800	4.638	34.353	4.575	27.232	93.6	1.119
1000	4.101	34.424	4.025	27.347	83.7	1.293
1003	4.086	34.425	4.009	27.350	83.4	1.296

STA NO 62 ,ROS7 LAT: 38 16.4 N LONG:123 30.8 W
 20 JUL 1982 0946 GMT PROBE 2567 DEPTH 338M
 37.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.773	33.522	11.773	25.504	248.7	0.002
10	11.573	33.548	11.572	25.562	243.5	0.025
20	10.608	33.614	10.606	25.787	222.3	0.048
30	10.113	33.676	10.109	25.920	209.8	0.070
40	9.910	33.710	9.906	25.981	204.2	0.090
50	9.866	33.737	9.860	26.010	201.7	0.111
60	9.778	33.754	9.771	26.038	199.3	0.131
70	9.548	33.827	9.541	26.133	190.5	0.150
80	9.468	33.837	9.459	26.154	188.6	0.169
90	9.274	33.854	9.264	26.199	184.6	0.188
100	9.082	33.886	9.071	26.255	179.4	0.206
110	8.883	33.914	8.872	26.309	174.5	0.224
120	8.841	33.921	8.828	26.321	173.5	0.241
130	8.793	33.930	8.779	26.336	172.3	0.258
140	8.640	33.957	8.625	26.381	168.2	0.275
150	8.560	33.981	8.544	26.412	165.4	0.292
175	8.343	34.029	8.325	26.483	159.0	0.333
200	8.080	34.074	8.060	26.558	152.3	0.372
225	7.960	34.089	7.937	26.589	149.8	0.409
250	7.941	34.091	7.916	26.593	149.9	0.447
300	7.902	34.097	7.872	26.604	149.7	0.522



STATION 62 ROS 7



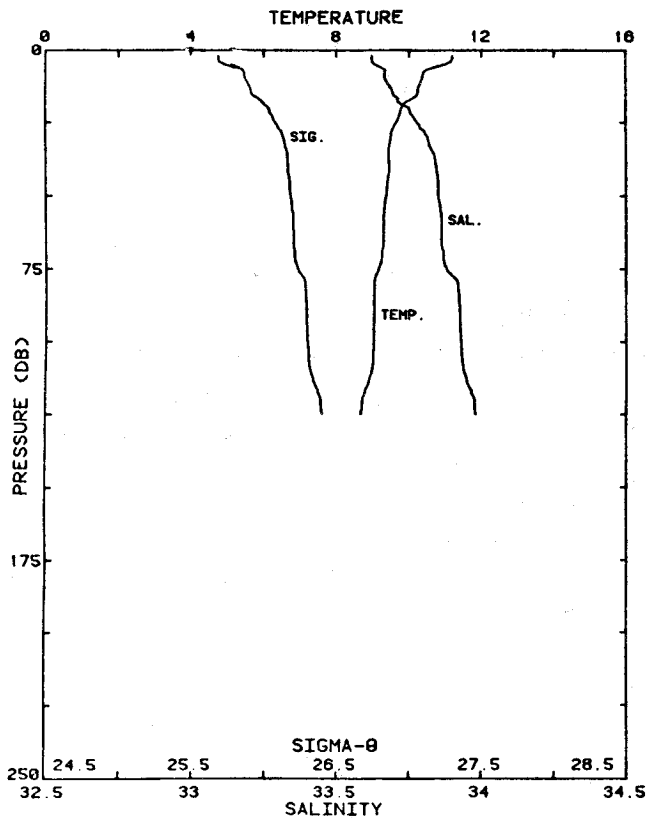
STATION 63 ROS 6

STA NO 63 ,ROS6 LAT: 38 19.8 N LONG:123 25.9 W
 20 JUL 1982 1045 GNT PROBE 2567 DEPTH 169M
 27.5 KM FROM SHORE

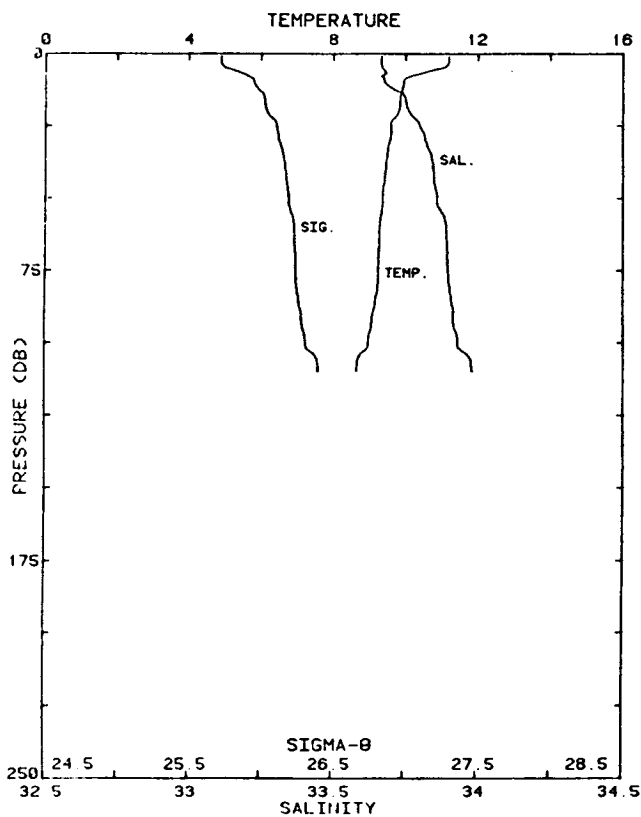
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.853	33.700	10.853	25.810	219.7	0.004
10	10.138	33.726	10.137	25.954	206.2	0.021
20	9.878	33.744	9.876	26.012	200.8	0.042
30	9.561	33.788	9.558	26.100	192.7	0.061
40	9.498	33.806	9.494	26.124	190.6	0.080
50	9.386	33.827	9.380	26.159	187.5	0.099
60	9.310	33.844	9.304	26.185	185.2	0.118
70	9.212	33.862	9.204	26.215	182.6	0.136
80	9.128	33.882	9.119	26.244	180.1	0.155
90	8.961	33.912	8.951	26.295	175.4	0.172
100	8.908	33.919	8.897	26.308	174.3	0.190
110	8.829	33.931	8.817	26.330	172.4	0.207
120	8.720	33.963	8.708	26.372	168.6	0.224
130	8.679	33.973	8.665	26.387	167.4	0.241
140	8.601	33.988	8.586	26.411	165.3	0.257
150	8.434	34.016	8.419	26.459	160.9	0.274
161	8.300	34.034	8.284	26.494	157.8	0.291

STA NO 64 ,ROSS LAT: 38 21.3 N LONG:123 23.3 W
 20 JUL 1982 1128 GNT PROBE 2567 DEPTH 131M
 22.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.190	33.622	11.190	25.689	231.2	0.005
10	10.353	33.666	10.352	25.871	214.1	0.022
20	9.795	33.751	9.793	26.032	199.0	0.043
30	9.489	33.813	9.486	26.131	189.7	0.063
40	9.442	33.843	9.437	26.162	187.0	0.082
50	9.362	33.849	9.356	26.181	185.5	0.100
60	9.293	33.862	9.287	26.201	183.7	0.119
70	9.250	33.869	9.243	26.214	182.7	0.137
80	9.048	33.919	9.040	26.286	176.0	0.155
90	9.032	33.926	9.023	26.294	175.5	0.173
100	9.022	33.929	9.011	26.298	175.3	0.190
110	8.963	33.938	8.951	26.315	173.9	0.208
120	8.692	33.976	8.680	26.387	167.2	0.225
125	8.661	33.980	8.648	26.396	166.5	0.233



STATION 64 ROS 5



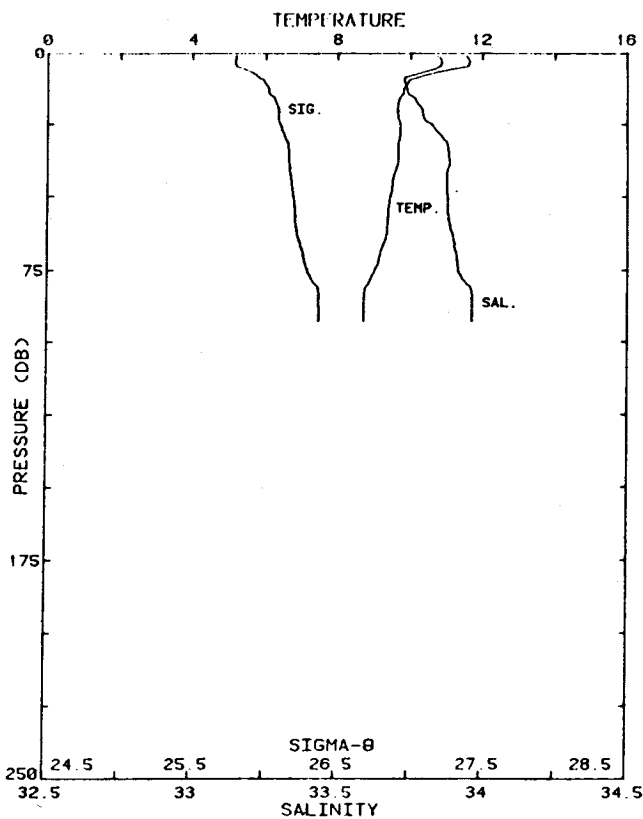
STATION 65 ROS 4

STA NO 65 ,ROS4 LAT: 38 23.1 N LONG:123 20.7 W
 20 JUL 1982 1205 GHT PROBE 2567 DEPTH 115M
 17.8 KM FROM SHORE

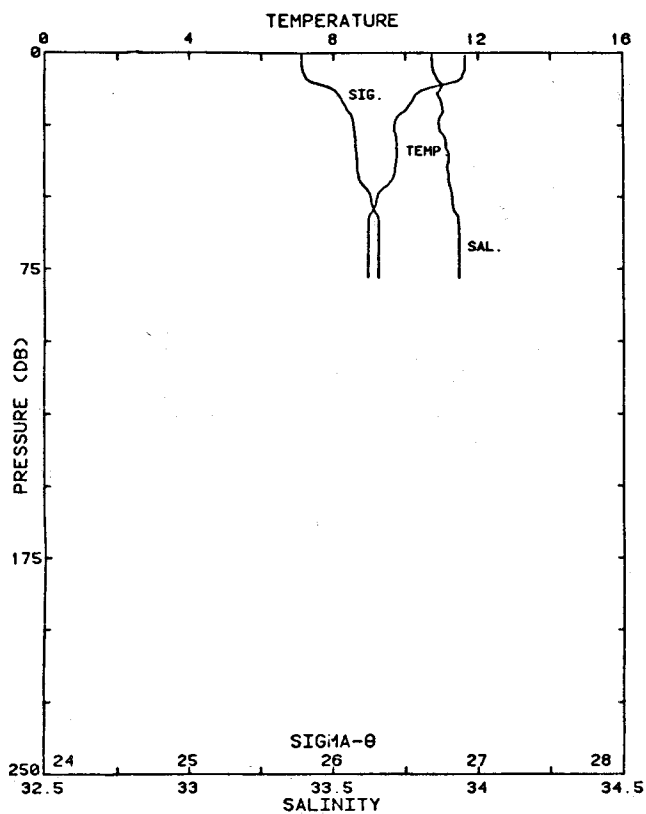
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.198	33.666	11.198	25.721	228.1	0.002
10	9.944	33.677	9.942	25.949	206.6	0.022
20	9.804	33.762	9.802	26.039	198.3	0.042
30	9.573	33.819	9.570	26.122	190.6	0.062
40	9.450	33.846	9.446	26.163	186.9	0.080
50	9.367	33.859	9.362	26.188	184.8	0.099
60	9.284	33.892	9.278	26.226	181.3	0.117
70	9.256	33.895	9.249	26.234	180.8	0.135
80	9.246	33.902	9.238	26.241	180.4	0.153
90	9.103	33.916	9.094	26.275	177.3	0.171
100	8.985	33.931	8.975	26.306	174.6	0.189
110	8.656	33.980	8.645	26.395	166.2	0.206

STA NO 66 ,ROS3 LAT: 38 24.8 N LONG:123 18.0 W
 20 JUL 1982 1247 GHT PROBE 2567 DEPTH 98M
 12.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.549	33.841	11.549	25.793	221.3	0.002
10	9.955	33.727	9.953	25.986	203.1	0.022
20	9.641	33.790	9.639	26.088	193.7	0.041
30	9.692	33.865	9.689	26.138	189.1	0.061
40	9.616	33.882	9.612	26.164	186.8	0.079
50	9.445	33.880	9.439	26.191	184.5	0.098
60	9.364	33.888	9.357	26.211	182.8	0.116
70	9.160	33.910	9.153	26.261	178.2	0.134
80	8.840	33.946	8.832	26.340	170.9	0.152
90	8.738	33.965	8.728	26.371	168.1	0.169
93	8.737	33.965	8.728	26.371	168.2	0.174



STATION 66 ROS 3



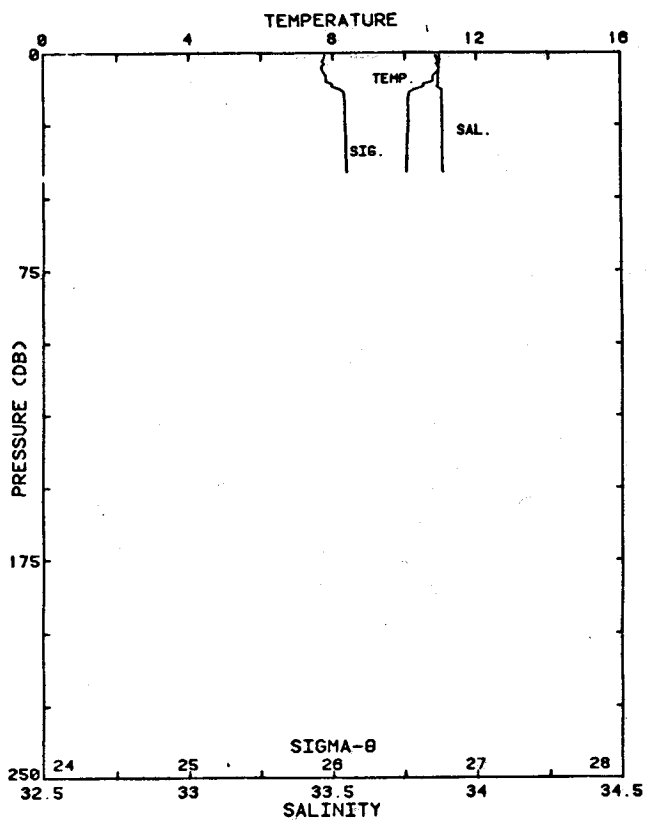
STATION 67 ROS 2

STA NO 67 ,ROS2 LAT: 38 26.7 N LONG:123 15.4 W
 20 JUL 1982 1324 GMT PROBE 2567 DEPTH 81M
 7.6 KM FROM SHORE

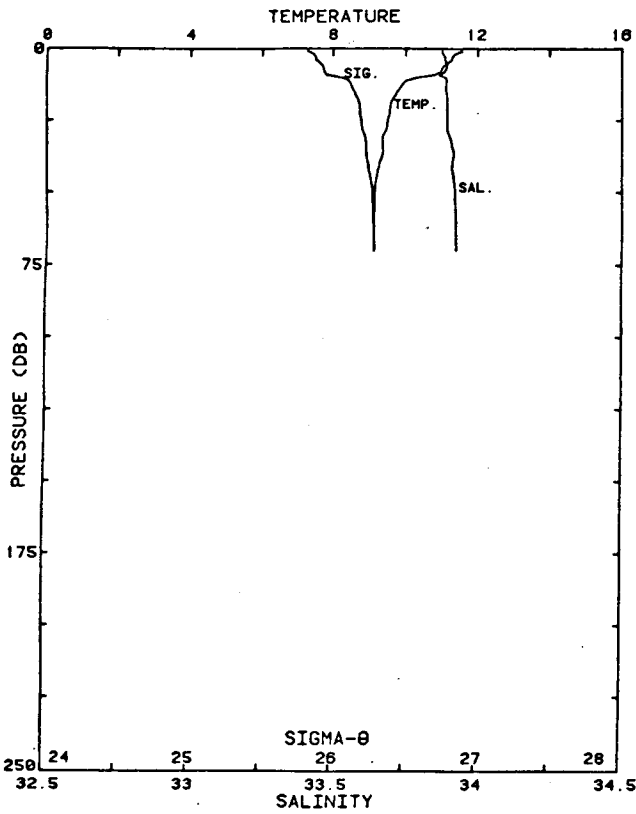
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.650	33.843	11.650	25.776	222.9	0.002
10	11.433	33.865	11.432	25.833	217.7	0.022
20	9.974	33.880	9.972	26.102	192.3	0.042
30	9.731	33.885	9.728	26.147	188.2	0.061
40	9.683	33.890	9.678	26.160	187.3	0.080
50	9.202	33.910	9.197	26.254	178.5	0.098
60	8.955	33.932	8.949	26.311	173.3	0.116
70	8.955	33.934	8.948	26.312	173.4	0.133
78	8.955	33.934	8.947	26.312	173.5	0.147

STA NO 68 ,ROS1 LAT: 38 28.3 N LONG:123 12.8 W
 20 JUL 1982 1359 GMT PROBE 2567 DEPTH 45M
 2.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.853	33.872	10.853	25.943	207.0	0.002
10	10.799	33.865	10.797	25.948	206.8	0.021
20	10.091	33.880	10.089	26.082	194.2	0.040
30	10.066	33.880	10.063	26.087	194.0	0.060
40	10.045	33.881	10.040	26.091	193.8	0.079
41	10.043	33.884	10.038	26.094	193.6	0.081



STATION 68 ROS 1



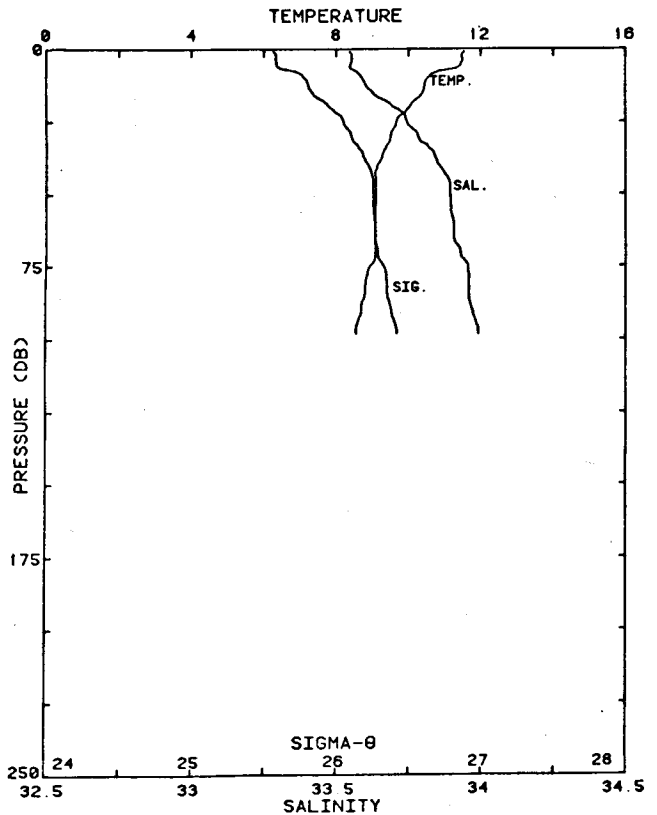
STATION 69 CN 1

STA NO 69 ,CN1 LAT: 38 44.0 N LONG:123 33.0 W
 20 JUL 1982 1631 GMT PROBE 2567 DEPTH 76M
 3.0 KM FROM SHORE

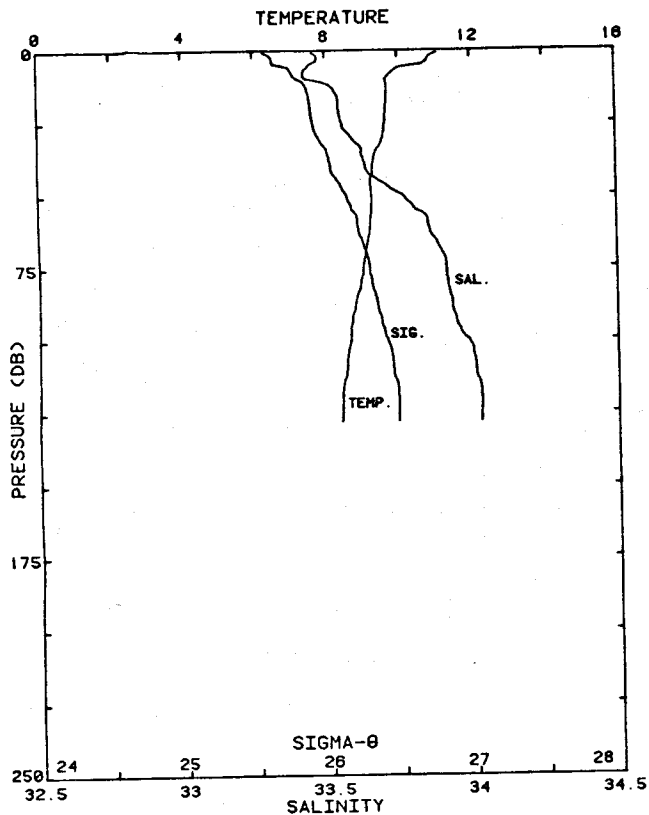
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.557	33.876	11.557	25.818	218.9	0.002
10	10.273	33.890	10.272	26.059	196.2	0.021
20	9.569	33.894	9.567	26.181	184.9	0.040
30	9.394	33.900	9.390	26.214	181.9	0.058
40	9.281	33.913	9.276	26.243	179.3	0.076
50	9.148	33.923	9.143	26.272	176.8	0.094
60	9.127	33.925	9.121	26.277	176.5	0.112
70	9.112	33.926	9.105	26.281	176.3	0.129

STA NO 70 ,CN2 LAT: 38 42.2 N LONG:123 35.8 W
 20 JUL 1982 1706 GMT PROBE 2567 DEPTH 105M
 8.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.549	33.546	11.548	25.564	243.0	0.002
10	10.556	33.587	10.555	25.774	223.3	0.024
20	10.030	33.697	10.027	25.950	206.7	0.045
30	9.505	33.783	9.502	26.105	192.2	0.065
40	9.145	33.856	9.141	26.220	181.5	0.084
50	9.101	33.896	9.096	26.259	178.0	0.102
60	9.078	33.908	9.072	26.272	177.0	0.120
70	9.091	33.931	9.083	26.288	175.6	0.137
80	8.825	33.959	8.817	26.353	169.7	0.154
90	8.693	33.973	8.684	26.384	166.9	0.171
98	8.555	33.993	8.544	26.421	163.5	0.185



STATION 70 CN 2



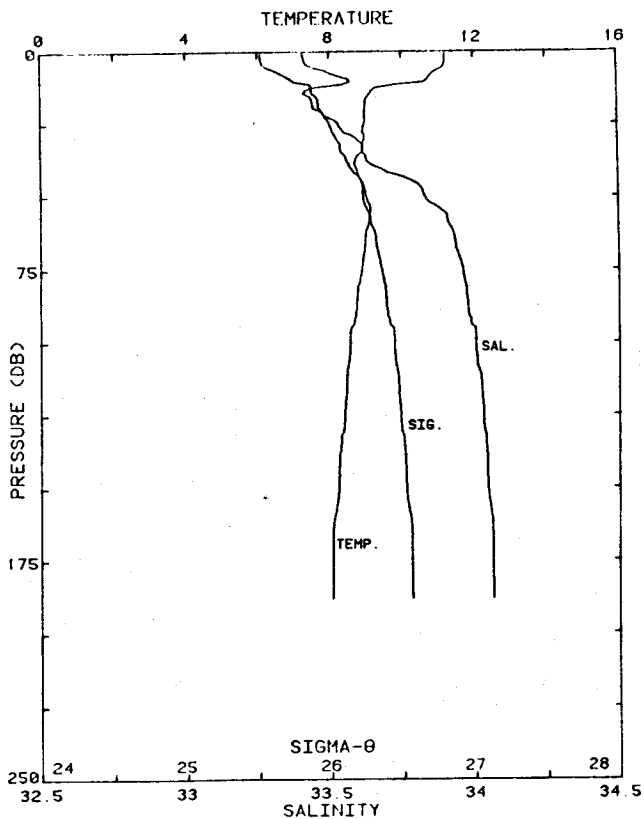
STATION 71 CN 3

STA NO 71 ,CN3 LAT: 38 40.2 N LONG:123 38.8 W
 20 JUL 1982 1746 GMT PROBE 2567 DEPTH 133M
 13.9 KM FROM SHORE

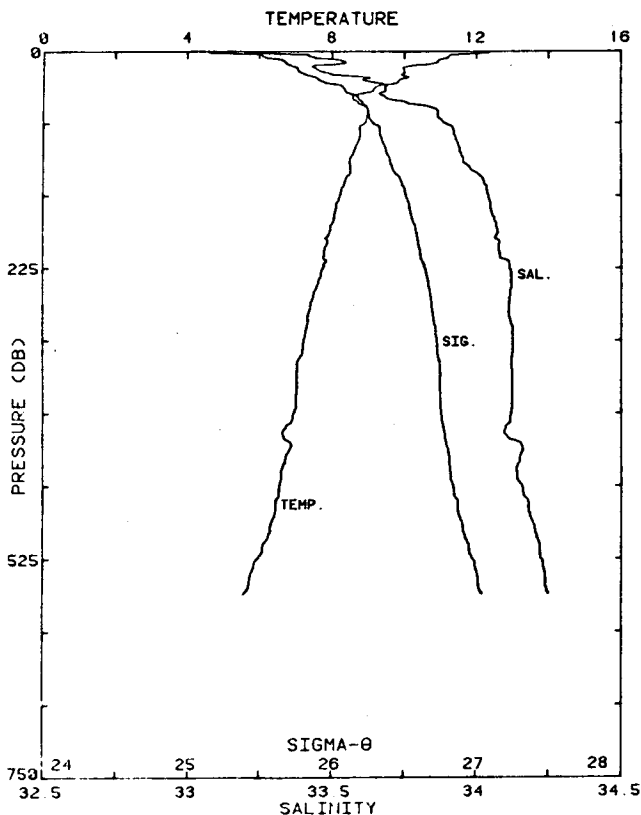
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.098	33.456	11.098	25.576	241.9	0.002
10	9.668	33.435	9.667	25.806	220.2	0.023
20	9.655	33.543	9.653	25.893	212.1	0.045
30	9.556	33.585	9.553	25.943	207.7	0.066
40	9.274	33.635	9.269	26.027	199.8	0.086
50	9.233	33.762	9.228	26.133	190.0	0.105
60	9.187	33.850	9.181	26.210	182.9	0.124
70	9.054	33.899	9.046	26.269	177.5	0.142
80	8.911	33.916	8.903	26.305	174.2	0.160
90	8.720	33.932	8.711	26.348	170.3	0.177
100	8.603	33.985	8.592	26.408	164.8	0.194
110	8.479	34.007	8.468	26.444	161.5	0.210
120	8.349	34.025	8.337	26.478	158.5	0.226
128	8.343	34.024	8.330	26.479	158.6	0.239

STA NO 72 ,CN4 LAT: 38 38.2 N LONG:123 41.8 W
 20 JUL 1982 1830 GMT PROBE 2567 DEPTH 193M
 19.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.211	33.408	11.211	25.519	247.3	0.002
10	10.717	33.566	10.716	25.730	227.5	0.024
20	8.978	33.444	8.976	25.925	209.1	0.046
30	8.956	33.588	8.953	26.041	198.3	0.066
40	8.701	33.655	8.697	26.134	189.7	0.085
50	8.975	33.825	8.970	26.223	181.4	0.104
60	9.031	33.911	9.025	26.282	176.0	0.122
70	8.892	33.940	8.884	26.327	171.9	0.139
80	8.753	33.964	8.745	26.368	168.3	0.156
90	8.676	33.975	8.666	26.389	166.5	0.173
100	8.508	33.999	8.498	26.433	162.4	0.189
110	8.422	34.013	8.411	26.458	160.2	0.205
120	8.379	34.024	8.367	26.473	158.9	0.221
130	8.328	34.030	8.314	26.486	158.0	0.237
140	8.212	34.040	8.198	26.511	155.7	0.253
150	8.189	34.042	8.174	26.516	155.4	0.268
175	8.018	34.059	8.001	26.556	152.1	0.306
188	8.013	34.061	7.994	26.558	152.1	0.326



STATION 72 CN 4

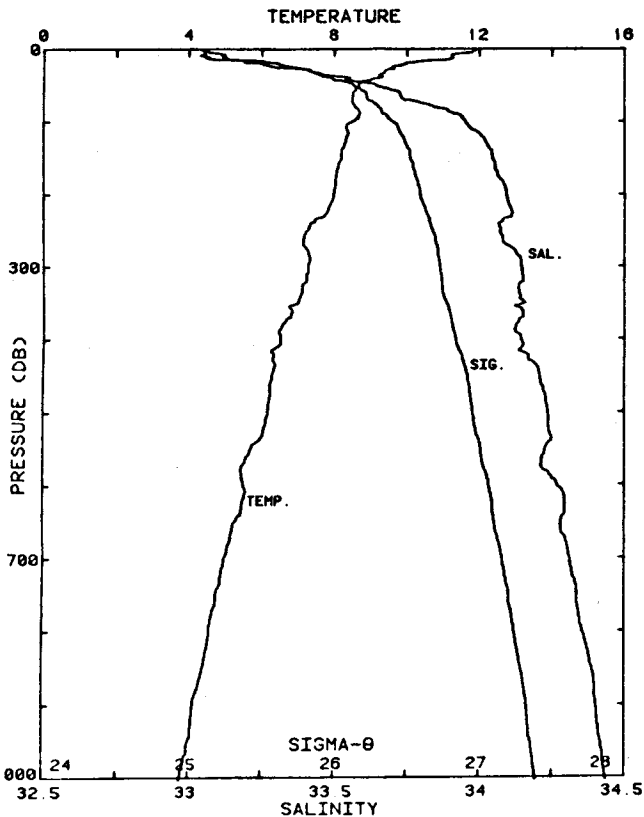


STATION 73 CN 5

STA NO 73 ,CN5 LAT: 38 36.2 N LONG:123 44.5 W
 20 JUL 1982 1918 GMT PROBE 2567 DEPTH 572M
 25.0 KM FROM SHORE

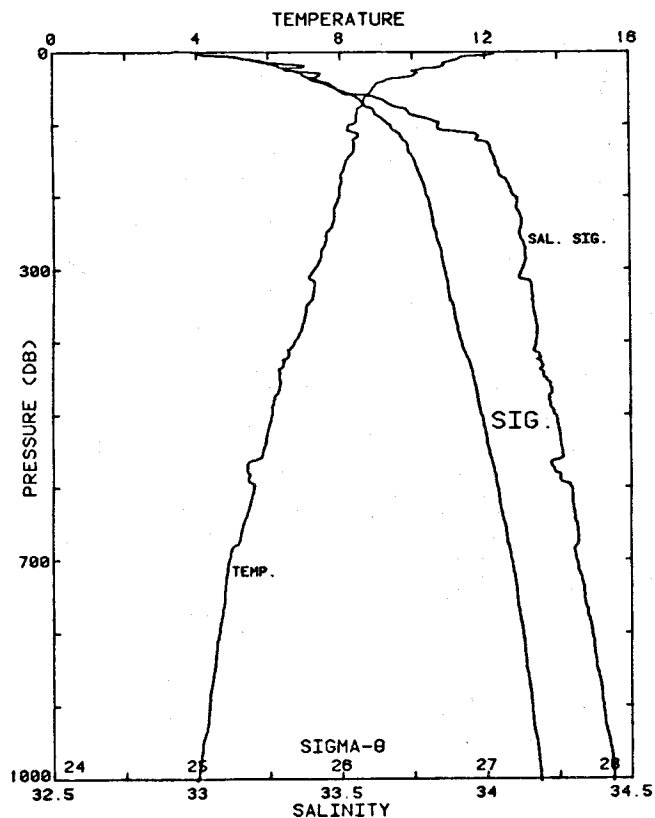
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.343	33.204	12.343	25.150	282.4	0.003
10	10.924	33.536	10.925	25.669	233.3	0.025
20	9.991	33.454	9.988	25.768	224.1	0.048
30	9.861	33.605	9.857	25.908	211.0	0.070
40	9.143	33.685	9.139	26.087	194.1	0.090
50	8.576	33.700	8.571	26.188	184.7	0.109
60	8.996	33.861	8.989	26.248	179.2	0.127
70	8.954	33.875	8.947	26.266	177.7	0.145
80	8.763	33.919	8.754	26.331	171.7	0.163
90	8.745	33.928	8.736	26.341	171.0	0.180
100	8.637	33.941	8.627	26.368	168.6	0.197
110	8.516	33.951	8.504	26.395	166.2	0.214
120	8.494	33.975	8.482	26.417	164.3	0.230
130	8.399	34.015	8.386	26.463	160.1	0.246
140	8.301	34.035	8.287	26.493	157.4	0.262
150	8.204	34.041	8.189	26.513	155.7	0.278
175	8.024	34.063	8.007	26.557	151.9	0.316
200	7.839	34.077	7.819	26.597	148.6	0.354
225	7.734	34.114	7.711	26.642	144.7	0.391
250	7.491	34.115	7.467	26.677	141.7	0.426
300	7.209	34.124	7.180	26.725	137.8	0.496
400	6.676	34.110	6.639	26.788	133.1	0.632
500	6.244	34.210	6.199	26.924	121.2	0.760
561	5.559	34.248	5.512	27.041	110.2	0.830

STA NO 74 ,CN6 LAT: 38 34.0 N LONG:123 47.9 W
 20 JUL 1982 2034 GMT PROBE 2567 DEPTH 1329M
 31.4 KM FROM SHORE



STATION 74 CN 6

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.903	33.045	11.903	25.110	286.2	0.006
10	11.256	33.045	11.255	25.229	275.1	0.028
20	9.973	33.228	9.970	25.595	240.5	0.054
30	9.397	33.409	9.394	25.831	218.2	0.077
40	9.189	33.553	9.185	25.977	204.6	0.099
50	8.667	33.645	8.662	26.131	190.1	0.118
60	8.508	33.723	8.502	26.217	182.1	0.137
70	8.489	33.736	8.482	26.230	181.1	0.155
80	8.558	33.843	8.549	26.303	174.3	0.173
90	8.688	33.926	8.678	26.348	170.3	0.190
100	8.487	33.951	8.476	26.399	165.6	0.207
110	8.323	33.971	8.311	26.440	161.9	0.223
120	8.329	34.007	8.317	26.467	159.5	0.239
130	8.263	34.024	8.250	26.491	157.4	0.255
140	8.180	34.041	8.166	26.517	155.2	0.271
150	8.173	34.043	8.157	26.520	155.0	0.286
175	8.036	34.062	8.018	26.555	152.1	0.325
200	7.962	34.092	7.942	26.590	149.2	0.362
225	7.770	34.112	7.748	26.635	145.4	0.399
250	7.243	34.070	7.220	26.677	141.5	0.435
300	7.286	34.145	7.258	26.731	137.3	0.504
400	6.494	34.143	6.458	26.838	128.1	0.638
500	6.153	34.237	6.109	26.958	118.0	0.759
600	5.485	34.267	5.435	27.065	108.4	0.873
800	4.575	34.356	4.512	27.242	92.5	1.073
1000	3.784	34.435	3.710	27.388	79.0	1.244
1003	3.778	34.437	3.704	27.390	78.9	1.246



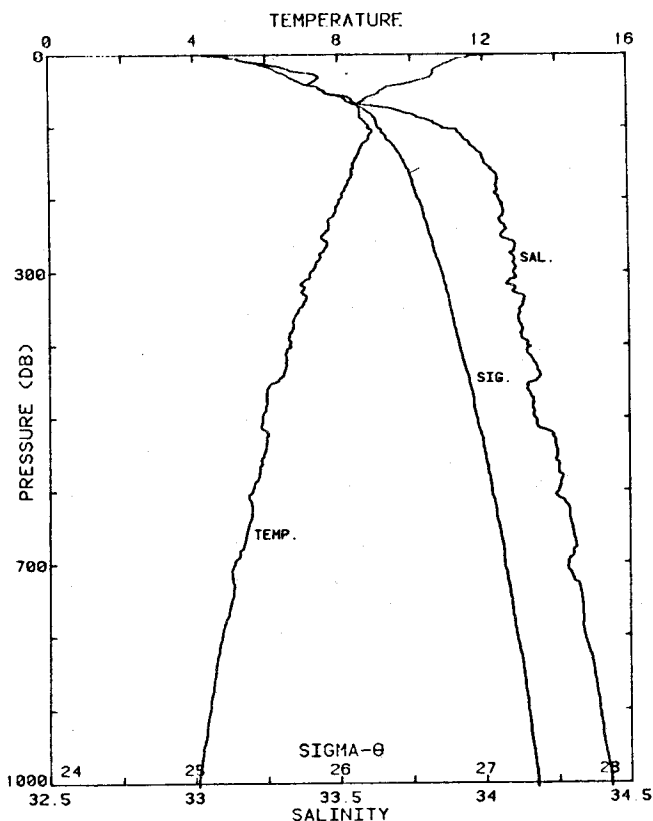
STATION 75 CN 7

STA NO 75 ,CN7 LAT: 38 31.1 N LONG:123 52.1 W
 20 JUL 1982 2152 GMT PROBE 2567 DEPTH 2064M
 39.5 KM FROM SHORE

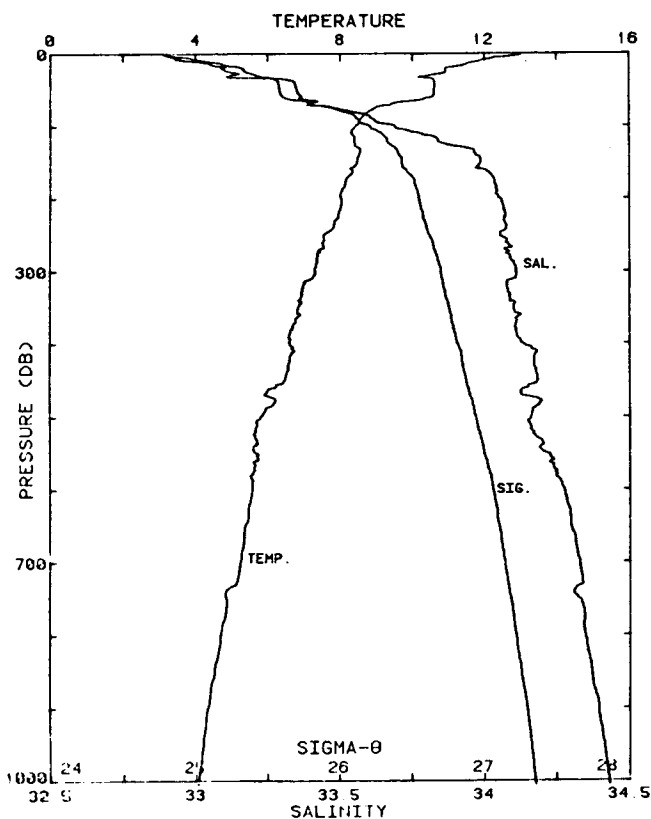
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	12.250	32.998	12.249	25.008	295.9	0.006
10	11.262	33.163	11.261	25.320	266.5	0.028
20	10.815	33.375	10.813	25.564	243.4	0.054
30	10.112	33.430	10.109	25.728	228.0	0.077
40	9.261	33.398	9.257	25.845	217.1	0.100
50	8.904	33.480	8.899	25.965	205.9	0.121
60	8.736	33.585	8.730	26.073	195.8	0.141
70	8.635	33.660	8.628	26.148	188.9	0.160
80	8.470	33.730	8.462	26.228	181.4	0.179
90	8.434	33.780	8.425	26.273	177.3	0.197
100	8.244	33.839	8.234	26.348	170.4	0.214
110	8.332	33.911	8.321	26.391	166.5	0.231
120	8.374	33.969	8.362	26.430	163.0	0.248
130	8.371	34.015	8.358	26.468	159.7	0.264
140	8.313	34.021	8.299	26.481	158.6	0.280
150	8.145	34.033	8.129	26.516	155.4	0.295
175	7.997	34.063	7.980	26.562	151.5	0.334
200	7.956	34.099	7.936	26.597	148.6	0.371
225	7.814	34.118	7.792	26.633	145.6	0.408
250	7.594	34.117	7.570	26.664	142.9	0.444
300	7.253	34.126	7.225	26.720	138.3	0.514
400	6.694	34.171	6.658	26.833	128.7	0.648
500	6.072	34.238	6.028	26.969	116.8	0.770
600	5.569	34.292	5.519	27.074	107.6	0.882
800	4.591	34.364	4.528	27.246	92.2	1.081
1000	3.991	34.437	3.916	27.369	81.3	1.254
1003	3.978	34.437	3.902	27.371	81.2	1.257

STA NO 76 ,CNB LAT: 38 27.7 N LONG:123 57.0 W
 20 JUL 1982 2334 GMT PROBE 2567 DEPTH 2402M
 49.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.293	33.090	12.293	25.071	289.9	0.003
10	11.154	33.189	11.152	25.359	262.7	0.027
20	10.698	33.313	10.696	25.536	246.1	0.053
30	10.578	33.428	10.575	25.647	235.8	0.077
40	10.004	33.409	9.999	25.731	228.0	0.100
50	9.220	33.436	9.215	25.881	213.9	0.122
60	8.826	33.532	8.820	26.018	201.0	0.143
70	8.538	33.576	8.531	26.097	193.7	0.163
80	8.589	33.718	8.581	26.201	184.1	0.182
90	8.650	33.802	8.641	26.257	178.9	0.200
100	8.848	33.858	8.837	26.270	177.9	0.218
110	8.866	33.923	8.854	26.318	173.6	0.235
120	8.767	33.946	8.755	26.352	170.6	0.252
130	8.606	33.968	8.593	26.394	166.7	0.269
140	8.523	33.993	8.509	26.427	163.8	0.286
150	8.417	34.001	8.402	26.450	161.8	0.302
175	8.266	34.044	8.248	26.506	156.8	0.342
200	8.058	34.048	8.038	26.542	153.9	0.381
225	7.814	34.056	7.792	26.584	150.2	0.418
250	7.508	34.054	7.484	26.627	146.4	0.455
300	7.204	34.097	7.175	26.704	139.8	0.527
400	6.610	34.142	6.574	26.822	129.7	0.662
500	5.866	34.171	5.823	26.941	119.1	0.786
600	5.572	34.251	5.521	27.042	110.6	0.900
800	4.730	34.339	4.666	27.211	95.7	1.106
1000	4.098	34.430	4.022	27.352	83.2	1.283
1005	4.089	34.431	4.012	27.354	83.0	1.287



STATION 76 CN 8



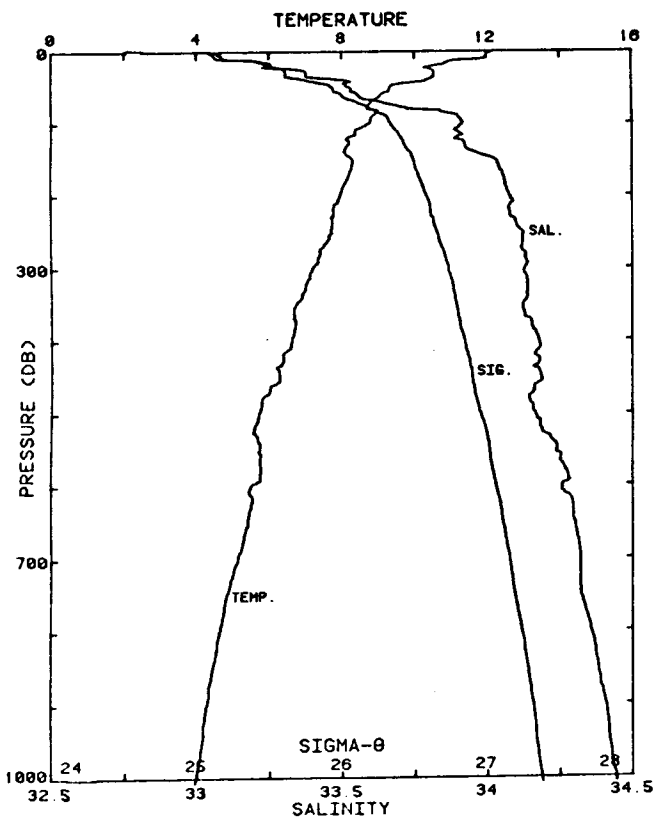
STATION 77 NOR 9

STA NO 77 ,NOR9 LAT: 38 31.3 N LONG:124 7.9 W
 21 JUL 1982 0142 GMT PROBE 2567 DEPTH 3010M
 55.6 KM FROM SHORE

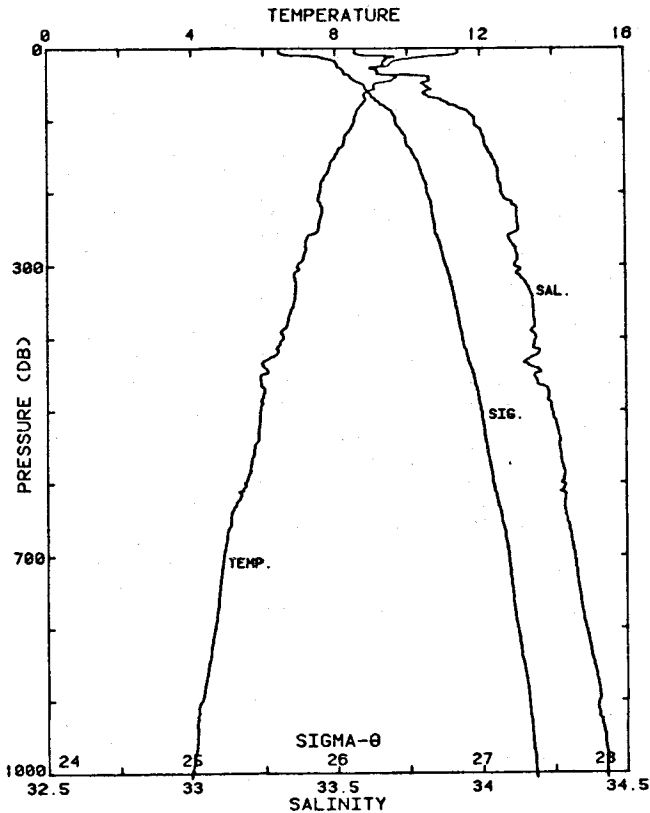
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.011	32.901	13.011	24.786	317.1	0.003
10	11.905	32.970	11.904	25.052	292.0	0.031
20	10.956	33.087	10.954	25.316	267.1	0.059
30	10.512	33.123	10.508	25.422	257.2	0.085
40	10.618	33.343	10.613	25.575	242.9	0.110
50	10.607	33.351	10.601	25.582	242.4	0.134
60	10.536	33.366	10.529	25.607	240.3	0.158
70	9.423	33.386	9.416	25.809	221.1	0.181
80	8.796	33.534	8.788	26.025	200.8	0.202
90	8.572	33.612	8.563	26.121	191.8	0.221
100	8.416	33.691	8.406	26.206	183.9	0.240
110	8.316	33.779	8.305	26.290	176.1	0.258
120	8.391	33.839	8.378	26.327	172.8	0.276
130	8.515	33.933	8.502	26.381	167.9	0.293
140	8.520	33.970	8.506	26.409	165.5	0.310
150	8.467	33.988	8.451	26.432	163.5	0.326
175	8.160	34.035	8.143	26.516	155.9	0.366
200	8.030	34.054	8.010	26.550	153.0	0.405
225	7.943	34.067	7.920	26.574	151.2	0.443
250	7.542	34.053	7.518	26.621	146.9	0.480
300	7.304	34.111	7.275	26.702	140.1	0.551
400	6.610	34.132	6.573	26.814	130.5	0.687
500	5.806	34.160	5.764	26.940	119.2	0.812
600	5.590	34.276	5.540	27.059	109.1	0.926
800	4.702	34.349	4.638	27.222	94.7	1.130
1000	4.071	34.430	3.995	27.355	82.8	1.306
1005	4.055	34.431	3.979	27.358	82.6	1.311

STA NO 78 ,NOR8 LAT: 38 34.5 N LONG:124 3.0 W
 21 JUL 1982 0318 GMT PROBE 2567 DEPTH 2384M
 46.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.099	33.068	12.099	25.092	288.0	0.003
10	11.978	33.091	11.977	25.132	284.4	0.029
20	10.721	33.250	10.719	25.483	251.1	0.055
30	10.548	33.379	10.545	25.614	239.0	0.079
40	10.368	33.479	10.363	25.724	228.7	0.103
50	9.347	33.518	9.342	25.924	209.8	0.125
60	9.103	33.550	9.096	25.989	203.9	0.145
70	8.829	33.619	8.821	26.086	194.8	0.165
80	8.680	33.723	8.672	26.191	185.0	0.184
90	8.860	33.900	8.851	26.301	174.8	0.202
100	8.774	33.919	8.764	26.329	172.3	0.220
110	8.368	33.890	8.357	26.370	168.6	0.237
120	8.150	33.895	8.138	26.407	165.1	0.253
130	8.144	33.924	8.131	26.431	163.1	0.270
140	8.053	33.958	8.039	26.471	159.4	0.286
150	8.283	34.027	8.268	26.491	157.9	0.302
175	8.165	34.058	8.147	26.533	154.3	0.341
200	7.936	34.076	7.916	26.582	150.0	0.379
225	7.753	34.077	7.731	26.610	147.7	0.416
250	7.696	34.120	7.672	26.652	144.2	0.453
300	7.177	34.128	7.148	26.732	137.1	0.523
400	6.621	34.179	6.584	26.849	127.2	0.655
500	5.688	34.166	5.645	26.959	117.2	0.778
600	5.468	34.256	5.418	27.058	108.9	0.891
800	4.614	34.357	4.551	27.238	92.9	1.092
1000	3.955	34.444	3.880	27.378	80.4	1.265
1006	3.941	34.446	3.865	27.381	80.2	1.270



STATION 78 NOR 8



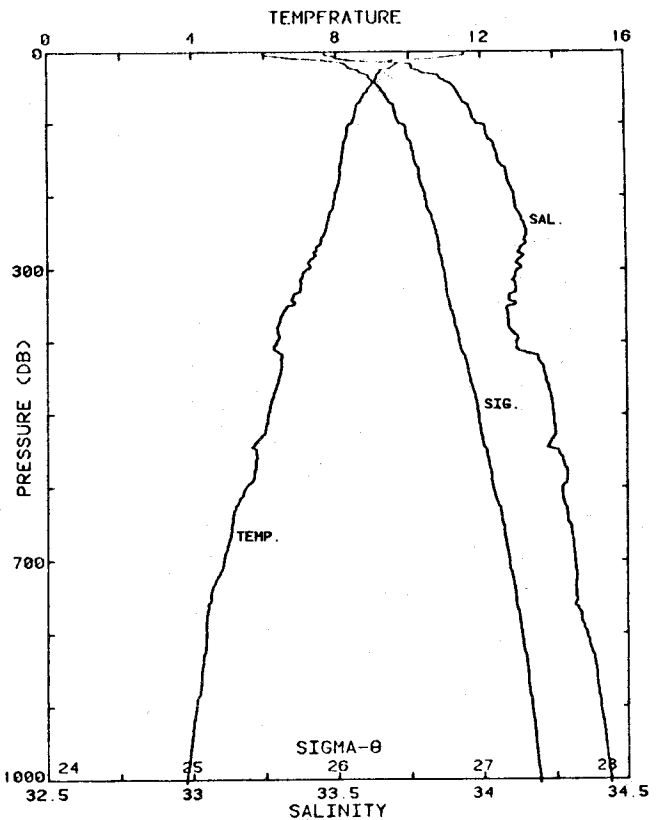
STATION 79 NOR 7

STA NO 79 ,NDR7 LAT: 38 37.8 N LONG:123 58.1 W
 21 JUL 1982 0447 GMT PROBE 2567 DEPTH 2064M
 37.0 KM FROM SHORE

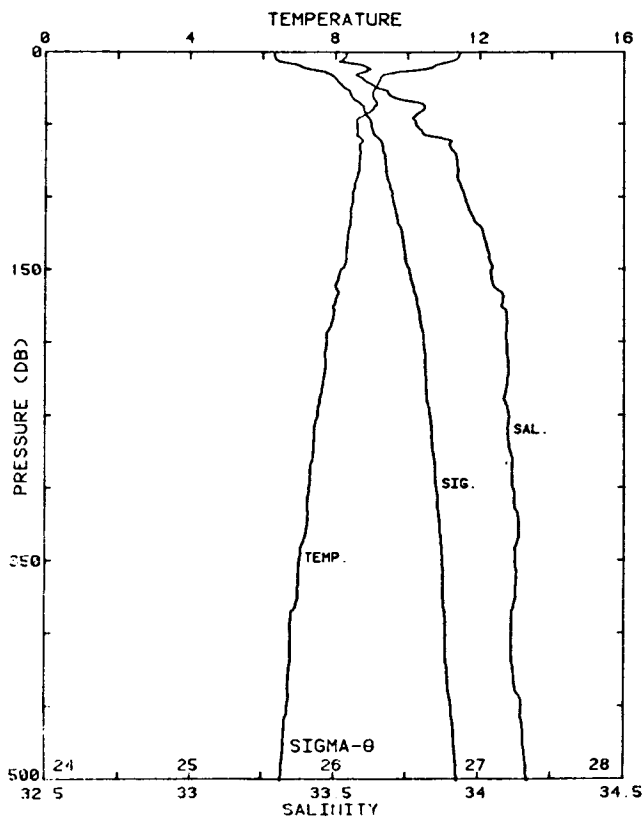
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.403	33.568	11.403	25.608	238.9	0.002
10	11.062	33.596	11.061	25.692	231.1	0.024
20	9.560	33.663	9.558	26.003	201.8	0.045
30	9.137	33.639	9.134	26.052	197.2	0.065
40	9.700	33.827	9.696	26.107	192.2	0.084
50	9.083	33.807	9.077	26.192	184.4	0.103
60	8.902	33.813	8.896	26.226	181.4	0.121
70	8.847	33.860	8.839	26.272	177.2	0.139
80	8.684	33.917	8.675	26.342	170.7	0.157
90	8.566	33.964	8.556	26.397	165.6	0.174
100	8.521	33.981	8.510	26.417	163.9	0.190
110	8.432	33.992	8.421	26.439	162.0	0.206
120	8.273	34.008	8.261	26.476	158.6	0.222
130	8.221	34.014	8.208	26.489	157.6	0.238
140	8.054	34.026	8.040	26.524	154.4	0.254
150	7.969	34.039	7.954	26.547	152.4	0.269
175	7.716	34.060	7.699	26.601	147.7	0.307
200	7.545	34.069	7.526	26.633	145.0	0.343
225	7.613	34.123	7.592	26.666	142.3	0.379
250	7.503	34.128	7.479	26.686	140.9	0.414
300	6.910	34.113	6.883	26.757	134.6	0.483
400	6.525	34.188	6.489	26.870	125.2	0.612
500	5.879	34.241	5.836	26.995	114.1	0.731
600	5.435	34.274	5.385	27.076	107.2	0.842
800	4.609	34.359	4.546	27.240	92.7	1.039
1000	3.959	34.429	3.884	27.366	81.6	1.212
1006	3.944	34.430	3.868	27.368	81.4	1.217

STA NO 80 ,NDR6 LAT: 38 41.1 N LONG:123 53.3 W
 21 JUL 1982 0603 GMT PROBE 2567 DEPTH 1299M
 27.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.544	33.462	11.544	25.500	249.1	0.002
10	10.618	33.500	10.616	25.696	230.7	0.024
20	9.609	33.759	9.607	26.069	195.4	0.045
30	9.208	33.794	9.204	26.162	186.8	0.064
40	9.097	33.861	9.092	26.232	180.3	0.082
50	8.943	33.903	8.938	26.289	175.1	0.100
60	8.789	33.919	8.783	26.326	171.8	0.117
70	8.667	33.933	8.660	26.357	169.1	0.135
80	8.534	33.958	8.526	26.397	165.5	0.151
90	8.496	33.967	8.487	26.410	164.4	0.168
100	8.436	33.980	8.425	26.430	162.7	0.184
110	8.289	34.013	8.278	26.478	158.3	0.200
120	8.257	34.021	8.245	26.489	157.4	0.216
130	8.192	34.041	8.179	26.515	155.2	0.231
140	8.156	34.050	8.142	26.527	154.2	0.247
150	8.131	34.054	8.116	26.534	153.7	0.262
175	8.071	34.086	8.053	26.569	150.9	0.300
200	7.940	34.109	7.920	26.607	147.7	0.338
225	7.781	34.128	7.759	26.645	144.4	0.374
250	7.647	34.151	7.622	26.683	141.2	0.410
300	7.158	34.123	7.130	26.731	137.2	0.480
400	6.312	34.113	6.277	26.838	127.9	0.613
500	6.070	34.242	6.027	26.971	116.6	0.734
600	5.480	34.270	5.430	27.068	108.0	0.847
800	4.360	34.354	4.299	27.263	90.1	1.043
1000	3.823	34.437	3.748	27.386	79.4	1.211
1005	3.810	34.438	3.735	27.388	79.1	1.215



STATION 80 NOR 6



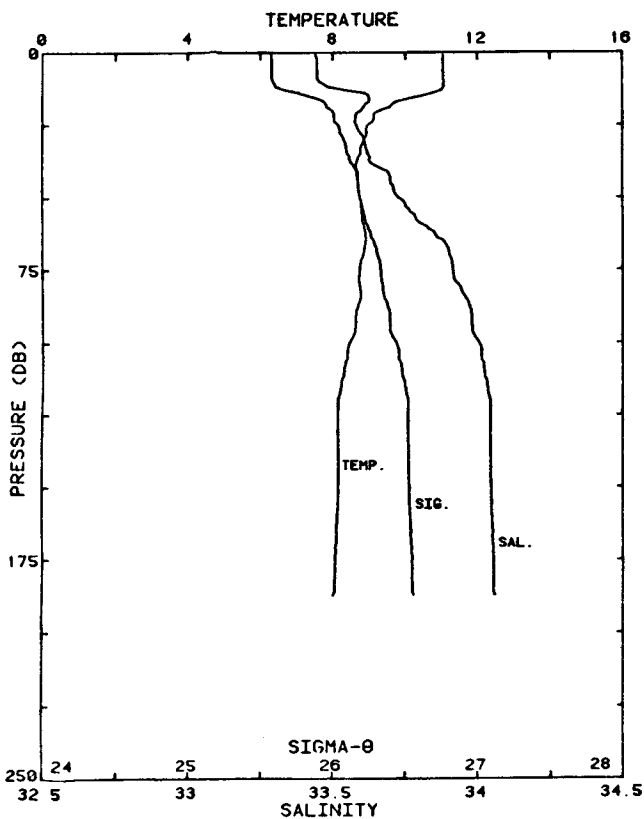
STATION 81 NOR 5

STA NO 81 ,NOR5 LAT: 38 42.9 N LONG:123 50.6 W
 21 JUL 1982 0710 GHT PROBE 2567 DEPTH 511M
 22.7 KM FROM SHORE

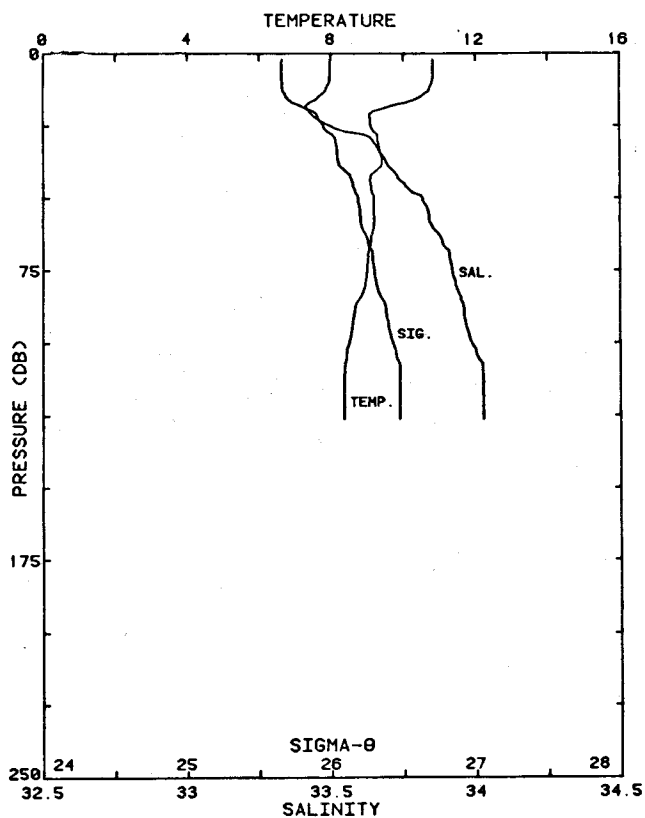
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.439	33.537	11.439	25.578	241.7	0.002
10	10.733	33.601	10.731	25.755	225.1	0.024
20	9.215	33.602	9.213	26.011	200.9	0.045
30	9.035	33.688	9.032	26.107	192.1	0.064
40	9.034	33.805	9.030	26.198	183.6	0.083
50	8.589	33.779	8.584	26.248	179.0	0.101
60	8.697	33.862	8.691	26.296	174.7	0.119
70	8.711	33.915	8.704	26.336	171.1	0.136
80	8.658	33.924	8.649	26.351	169.8	0.153
90	8.549	33.930	8.540	26.373	167.9	0.170
100	8.481	33.947	8.471	26.397	165.8	0.187
110	8.422	33.965	8.411	26.420	163.8	0.203
120	8.413	33.998	8.401	26.447	161.4	0.220
130	8.345	34.020	8.332	26.475	158.9	0.236
140	8.309	34.033	8.295	26.491	157.6	0.251
150	8.205	34.044	8.190	26.516	155.4	0.267
175	7.979	34.075	7.961	26.574	150.3	0.305
200	7.776	34.095	7.757	26.620	146.4	0.342
225	7.695	34.098	7.674	26.634	145.4	0.379
250	7.524	34.102	7.500	26.662	143.1	0.415
300	7.285	34.116	7.256	26.708	139.4	0.486
400	6.793	34.113	6.756	26.775	134.4	0.622
500	6.514	34.170	6.468	26.858	127.7	0.753
501	6.519	34.170	6.473	26.857	127.9	0.755

STA NO 82 ,NOR4 LAT: 38 44.7 N LONG:123 47.9 W
 21 JUL 1982 0758 GHT PROBE 2567 DEPTH 192M
 17.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.054	33.440	11.054	25.572	242.3	0.002
10	11.057	33.452	11.056	25.581	241.7	0.024
20	9.292	33.596	9.290	25.994	202.6	0.046
30	8.855	33.607	8.852	26.072	195.3	0.066
40	8.640	33.665	8.636	26.151	188.0	0.085
50	8.733	33.725	8.728	26.183	185.2	0.104
60	8.845	33.820	8.839	26.241	179.9	0.122
70	8.832	33.901	8.824	26.306	173.9	0.140
80	8.748	33.934	8.739	26.345	170.4	0.157
90	8.651	33.980	8.642	26.397	165.7	0.174
100	8.483	34.007	8.473	26.443	161.4	0.191
110	8.321	34.024	8.310	26.482	157.9	0.206
120	8.149	34.044	8.137	26.523	154.1	0.222
130	8.145	34.045	8.132	26.525	154.2	0.238
140	8.147	34.045	8.133	26.525	154.4	0.253
150	8.132	34.047	8.117	26.529	154.2	0.268
175	8.056	34.053	8.038	26.545	153.1	0.307
187	8.005	34.059	7.986	26.558	152.1	0.325



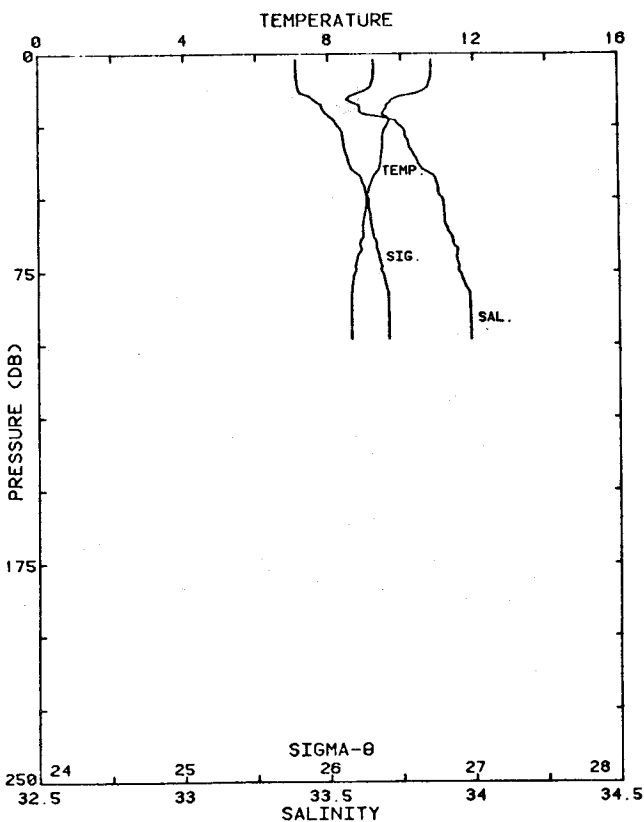
STATION 82 NOR 4



STATION 83 NOR 3

STA NO 83 ,NOR3 LAT: 38 46.6 N LONG:123 45.0 W
 21 JUL 1982 0901 GMT PROBE 2567 DEPTH 131M
 12.1 KM FROM SHORE

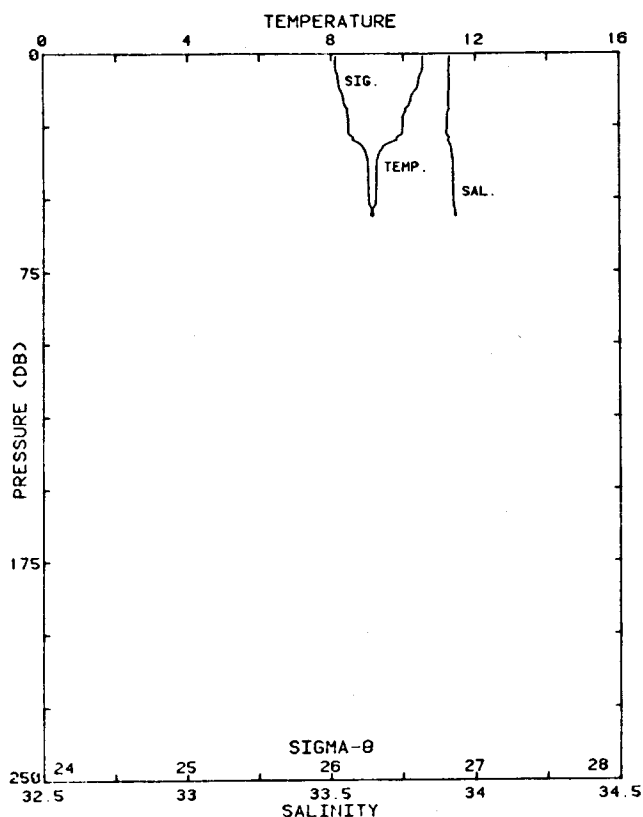
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.819	33.497	10.819	25.658	234.2	0.005
10	10.798	33.495	10.797	25.661	234.1	0.023
20	9.160	33.425	9.158	25.881	213.2	0.046
30	9.282	33.642	9.278	26.031	199.2	0.067
40	9.294	33.707	9.289	26.081	194.7	0.087
50	9.173	33.817	9.168	26.186	185.0	0.106
60	9.173	33.853	9.167	26.214	182.5	0.124
70	9.009	33.910	9.002	26.285	176.0	0.142
80	8.935	33.931	8.926	26.314	173.4	0.159
90	8.628	33.961	8.619	26.385	166.8	0.176
100	8.490	33.987	8.480	26.427	163.0	0.193
110	8.359	34.024	8.348	26.476	158.5	0.209
120	8.358	34.025	8.346	26.477	158.6	0.225
126	8.358	34.025	8.345	26.477	158.7	0.234



STATION 84 NOR 2

STA NO 84 NOR2 LAT: 38 48.1 N LONG:123 42.7 W
 21 JUL 1982 0951 GMT PROBE 2567 DEPTH 102M
 7.8 KM FROM SHORE

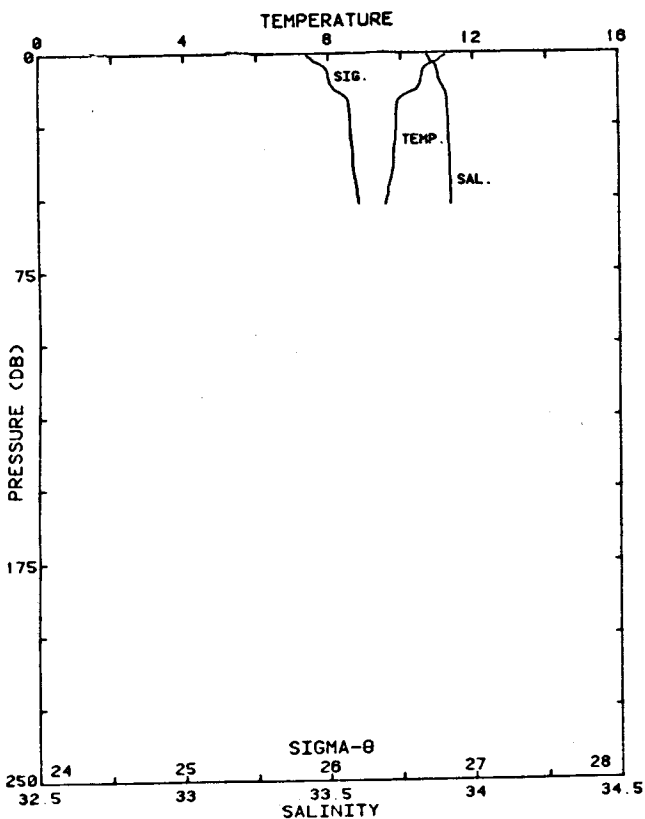
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.842	33.656	10.842	25.778	222.8	0.004
10	10.780	33.649	10.779	25.783	222.4	0.022
20	9.507	33.606	9.504	25.967	205.1	0.044
30	9.482	33.774	9.479	26.102	192.5	0.063
40	9.382	33.823	9.378	26.156	187.6	0.083
50	9.019	33.890	9.014	26.268	177.2	0.101
60	8.932	33.909	8.926	26.296	174.7	0.118
70	8.778	33.940	8.771	26.345	170.2	0.135
80	8.624	33.970	8.616	26.392	165.9	0.152
90	8.605	33.986	8.596	26.408	164.6	0.169
98	8.602	33.987	8.591	26.410	164.6	0.182



STATION 85 NOR 1

STA NO 85 ,NOR1 LAT: 38 50.1 N LONG:123 40.0 W
 21 JUL 1982 1027 GMT PROBE 2567 DEPTH 60M
 2.4 KM FROM SHORE

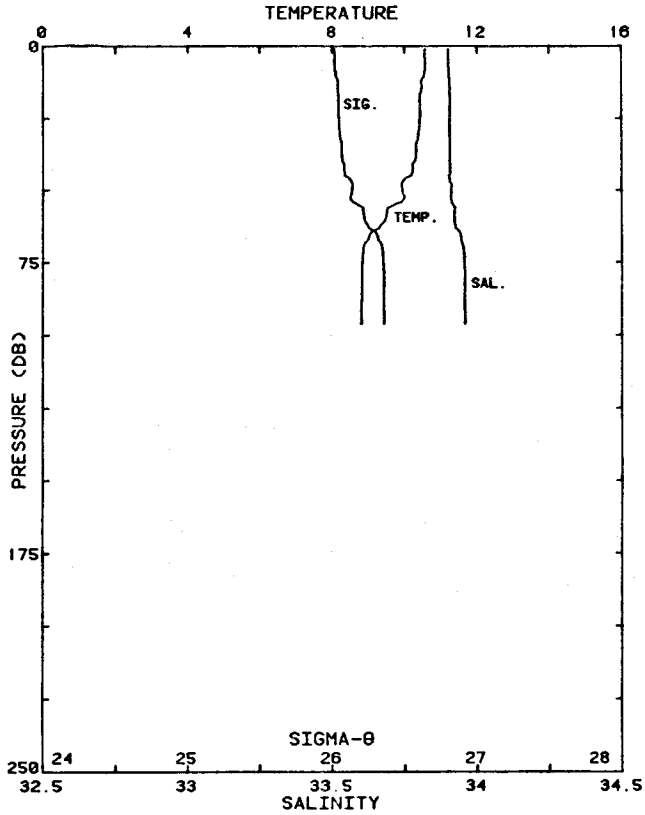
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.535	33.910	10.535	26.029	198.9	0.002
10	10.415	33.909	10.413	26.050	197.1	0.020
20	10.057	33.904	10.055	26.107	191.9	0.039
30	9.816	33.904	9.813	26.148	188.2	0.058
40	9.257	33.923	9.252	26.255	178.2	0.076
50	9.232	33.924	9.226	26.260	178.0	0.094
56	9.086	33.931	9.080	26.289	175.3	0.105



STATION 86 AR 1

STA NO 86 ,AR1 LAT: 38 56.9 N LONG:123 46.1 W
 21 JUL 1982 1136 GMT PROBE 2567 DEPTH 54M
 2.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.240	33.841	11.239	25.850	215.9	0.002
10	10.553	33.887	10.551	26.008	201.1	0.021
20	9.876	33.913	9.874	26.144	188.3	0.040
30	9.835	33.915	9.832	26.153	187.7	0.059
40	9.768	33.917	9.763	26.166	186.6	0.078
50	9.587	33.922	9.582	26.201	183.6	0.096
52	9.544	33.921	9.539	26.207	183.1	0.100



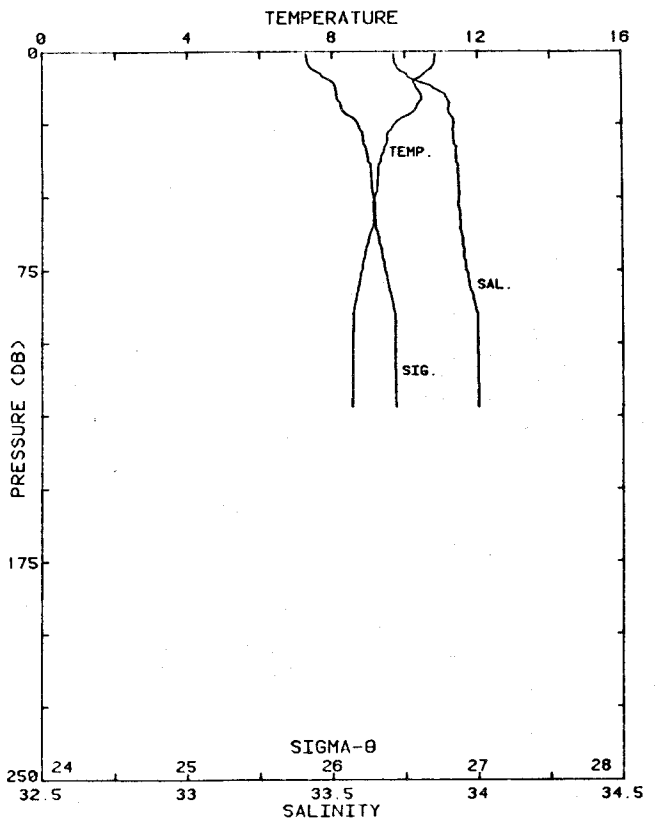
STATION 87 AR 2

STA NO 87 ,AR2 LAT: 38 55.8 N LONG:123 49.4 W
 21 JUL 1982 1217 GMT PROBE 2567 DEPTH 105M
 7.6 KM FROM SHORE

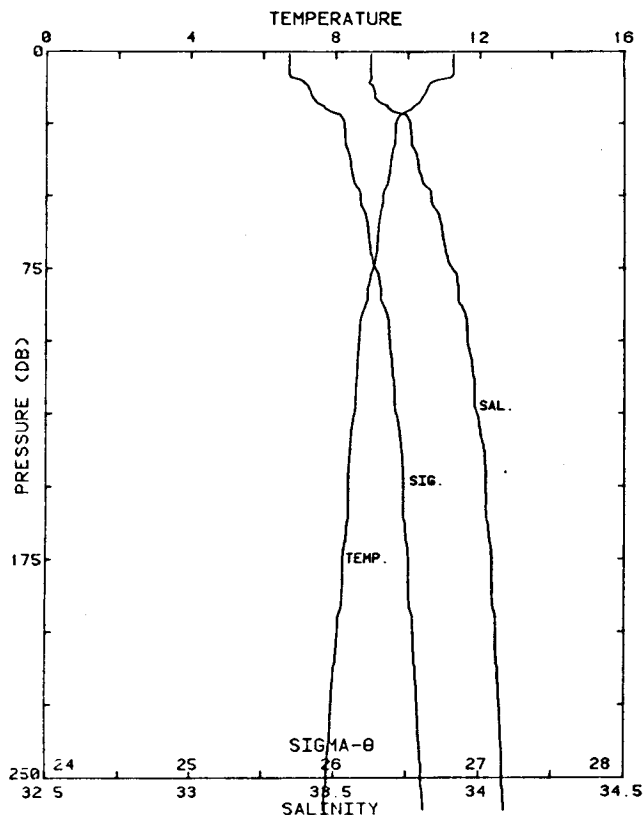
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.576	33.902	10.576	26.015	200.2	0.002
10	10.540	33.903	10.539	26.023	199.6	0.020
20	10.435	33.906	10.433	26.044	197.9	0.040
30	10.379	33.907	10.375	26.054	197.1	0.060
40	10.283	33.906	10.279	26.070	195.8	0.079
50	9.936	33.910	9.930	26.133	190.1	0.099
60	9.461	33.922	9.454	26.221	181.9	0.117
70	8.846	33.952	8.839	26.343	170.4	0.135
80	8.806	33.957	8.798	26.354	169.6	0.152
90	8.800	33.958	8.790	26.356	169.6	0.169
96	8.799	33.958	8.789	26.356	169.7	0.179

STA NO 88 ,AR3 LAT: 38 54.9 N LONG:123 52.6 W
 21 JUL 1982 1305 GMT PROBE 2567 DEPTH 131M
 12.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.846	33.711	10.846	25.819	218.8	0.002
10	10.263	33.778	10.261	25.973	204.3	0.021
20	10.295	33.899	10.293	26.062	196.1	0.041
30	9.505	33.918	9.502	26.211	182.2	0.060
40	9.252	33.932	9.248	26.263	177.5	0.078
50	9.141	33.934	9.136	26.282	175.8	0.096
60	9.102	33.942	9.095	26.295	174.8	0.113
70	8.877	33.951	8.870	26.338	170.9	0.131
80	8.708	33.969	8.700	26.379	167.2	0.148
90	8.543	33.997	8.534	26.426	162.9	0.164
100	8.536	33.998	8.526	26.428	162.9	0.180
110	8.531	33.999	8.520	26.430	162.9	0.197
120	8.523	34.000	8.511	26.432	162.9	0.213
122	8.521	34.001	8.508	26.433	162.8	0.216



STATION 88 AR 3



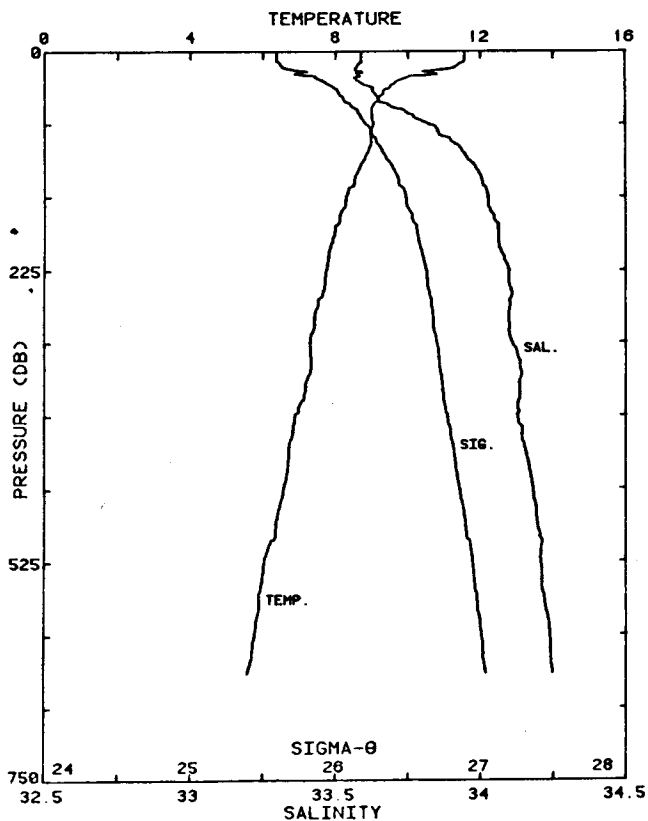
STATION 89 AR 4

STA NO 89 ,AR4 LAT: 38 53.9 N LONG:123 55.8 W
 21 JUL 1982 1340 GMT PROBE 2567 DEPTH 264M
 17.4 KM FROM SHORE

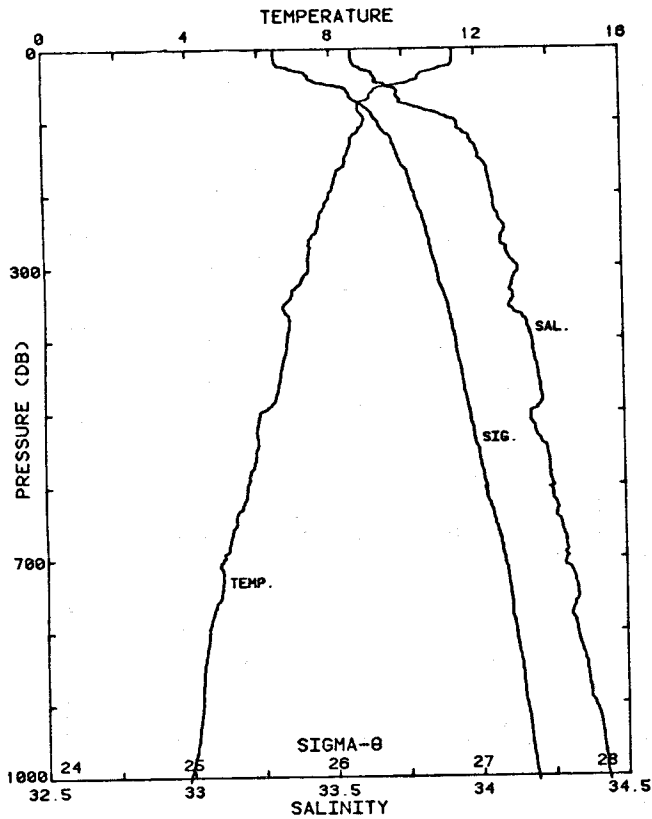
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.267	33.622	11.267	25.674	232.6	0.002
10	10.800	33.621	10.799	25.757	224.9	0.023
20	10.094	33.685	10.091	25.931	208.6	0.045
30	9.653	33.763	9.649	26.065	196.1	0.065
40	9.526	33.787	9.521	26.105	192.5	0.084
50	9.320	33.831	9.315	26.173	186.2	0.103
60	9.188	33.866	9.182	26.222	181.7	0.122
70	9.129	33.883	9.121	26.245	179.8	0.140
80	8.938	33.923	8.930	26.306	174.1	0.157
90	8.763	33.946	8.753	26.352	169.9	0.175
100	8.657	33.958	8.646	26.379	167.6	0.191
110	8.612	33.976	8.601	26.399	165.8	0.208
120	8.559	33.982	8.547	26.413	164.7	0.225
130	8.457	34.001	8.443	26.443	162.0	0.241
140	8.395	34.018	8.380	26.466	160.0	0.257
150	8.363	34.023	8.347	26.475	159.3	0.273
175	8.227	34.044	8.209	26.513	156.2	0.313
200	8.081	34.057	8.061	26.545	153.6	0.351
225	7.927	34.072	7.904	26.580	150.6	0.389
250	7.803	34.082	7.778	26.606	148.5	0.427
261	7.727	34.088	7.702	26.622	147.2	0.443

STA NO 90 ,AR5 LAT: 38 53.0 N LONG:123 59.1 W
 21 JUL 1982 1421 GMT PROBE 2567 DEPTH 629M
 22.5 KM FROM SHORE LIN INT SAL 560-574DB

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.568	33.589	11.568	25.594	240.2	0.002
10	11.572	33.587	11.571	25.592	240.6	0.024
20	10.628	33.569	10.626	25.748	226.0	0.048
30	9.743	33.573	9.739	25.902	211.5	0.070
40	9.331	33.626	9.327	26.011	201.4	0.090
50	9.167	33.650	9.162	26.056	197.2	0.110
60	8.993	33.732	8.986	26.148	188.7	0.130
70	9.018	33.781	9.010	26.183	185.6	0.148
80	9.002	33.851	8.994	26.240	180.4	0.167
90	8.975	33.894	8.965	26.278	177.0	0.185
100	8.934	33.931	8.923	26.314	173.8	0.202
110	8.818	33.955	8.807	26.351	170.5	0.219
120	8.671	33.985	8.659	26.397	166.2	0.236
130	8.542	34.004	8.529	26.432	163.1	0.253
140	8.425	34.017	8.410	26.461	160.5	0.269
150	8.291	34.027	8.276	26.489	158.0	0.285
175	8.101	34.049	8.083	26.535	154.0	0.324
200	7.862	34.064	7.842	26.583	149.9	0.362
225	7.741	34.099	7.719	26.628	146.0	0.399
250	7.635	34.109	7.610	26.652	144.1	0.435
300	7.296	34.108	7.267	26.700	140.2	0.506
400	6.765	34.143	6.728	26.802	131.8	0.643
500	6.337	34.205	6.293	26.908	122.8	0.770
600	5.762	34.238	5.710	27.008	114.1	0.887
639	5.571	34.248	5.517	27.039	111.4	0.931



STATION 90 AR 5



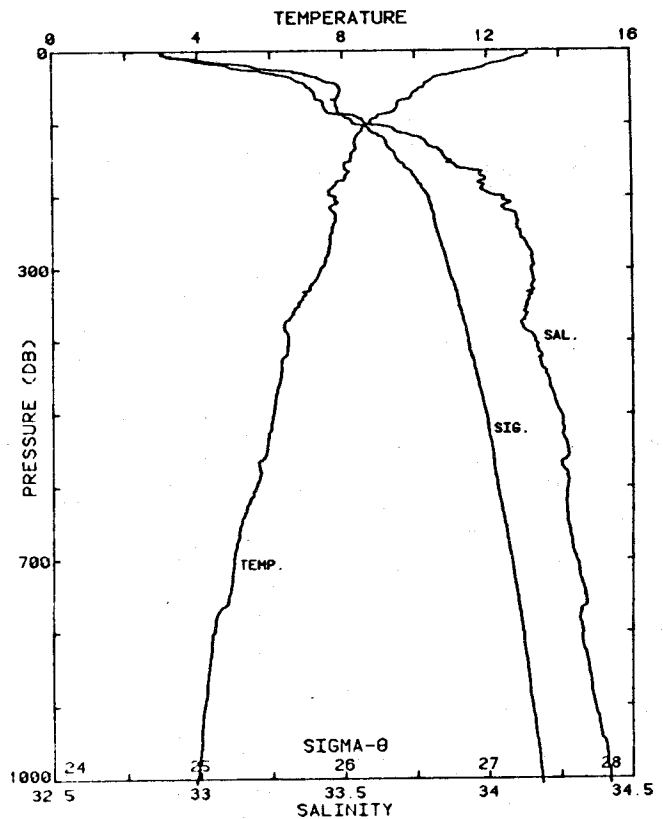
STATION 91 AR 6

STA NO 91 ,AR6 LAT: 38 52.0 N LONG:124 2.3 W
 21 JUL 1982 1519 GMT PROBE 2567 DEPTH 1495M
 27.4 KM FROM SHORE S=S+0.035 565-731DB

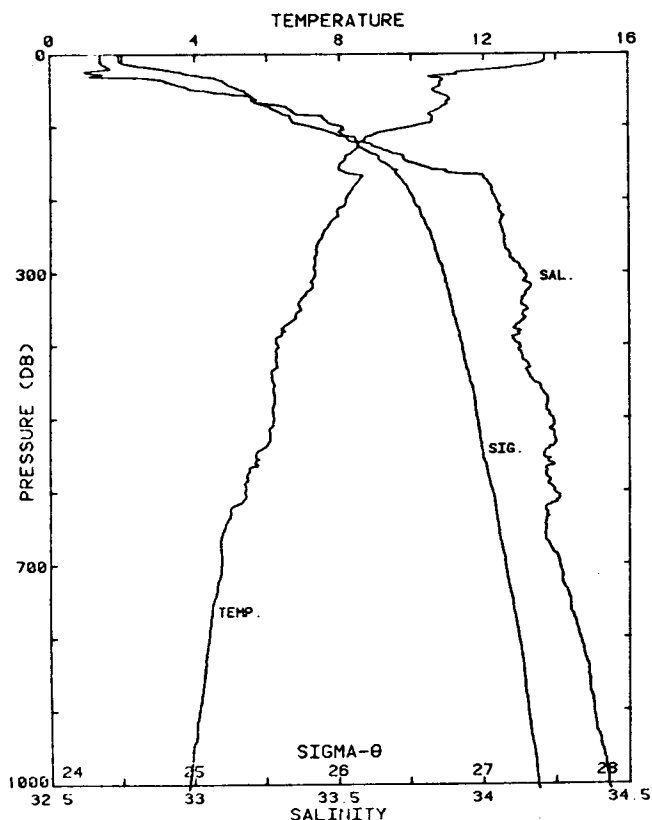
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.402	33.574	11.402	25.613	238.4	0.002
10	11.398	33.574	11.397	25.614	238.5	0.024
20	11.378	33.579	11.375	25.622	238.0	0.048
30	10.866	33.624	10.862	25.749	226.1	0.071
40	10.423	33.654	10.418	25.850	216.7	0.093
50	9.682	33.690	9.676	26.004	202.3	0.114
60	9.140	33.730	9.134	26.123	191.1	0.134
70	9.001	33.741	8.994	26.154	188.4	0.153
80	8.749	33.793	8.741	26.234	180.9	0.171
90	8.842	33.876	8.833	26.285	176.3	0.189
100	8.897	33.933	8.876	26.323	172.9	0.206
110	8.757	33.935	8.746	26.345	171.0	0.224
120	8.585	33.977	8.573	26.404	165.5	0.240
130	8.523	33.985	8.509	26.421	164.1	0.257
140	8.453	34.002	8.439	26.445	162.0	0.273
150	8.366	34.005	8.351	26.461	160.7	0.289
175	8.094	34.040	8.076	26.530	154.6	0.329
200	7.896	34.054	7.877	26.570	151.1	0.367
225	7.648	34.066	7.626	26.616	147.1	0.404
250	7.544	34.094	7.520	26.653	143.9	0.441
300	7.319	34.138	7.290	26.720	138.3	0.511
400	6.700	34.184	6.663	26.843	127.9	0.644
500	5.926	34.177	5.883	26.938	119.5	0.769
600	5.556	34.254	5.506	27.046	110.2	0.884
800	4.457	34.328	4.395	27.232	93.2	1.086
1000	3.885	34.432	3.810	27.375	80.5	1.260
1006	3.858	34.434	3.783	27.380	80.0	1.265

STA NO 92 ,AR7 LAT: 38 50.2 N LONG:124 8.1 W
 21 JUL 1982 1648 GMT PROBE 2567 DEPTH 2303M
 36.4 KM FROM SHORE 2 MIN. GAP 440-441DB

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.134	32.882	13.134	24.747	320.8	0.003
10	12.808	32.962	12.807	24.873	309.0	0.032
20	12.013	33.169	12.010	25.186	279.5	0.061
30	11.180	33.333	11.176	25.467	253.0	0.088
40	10.444	33.428	10.440	25.671	233.8	0.112
50	10.216	33.483	10.210	25.753	226.2	0.135
60	9.922	33.484	9.915	25.804	221.5	0.158
70	9.522	33.475	9.514	25.863	216.1	0.180
80	9.464	33.480	9.455	25.876	215.0	0.201
90	8.947	33.545	8.937	26.010	202.4	0.222
100	8.706	33.584	8.696	26.078	196.1	0.242
110	8.500	33.680	8.489	26.185	186.1	0.261
120	8.326	33.770	8.314	26.282	177.1	0.279
130	8.312	33.794	8.299	26.303	175.2	0.297
140	8.225	33.843	8.211	26.355	170.5	0.314
150	8.193	33.867	8.178	26.379	168.4	0.331
175	8.030	33.990	8.013	26.500	157.4	0.371
200	7.714	34.047	7.695	26.591	149.0	0.410
225	7.764	34.097	7.742	26.624	146.4	0.447
250	7.660	34.110	7.635	26.649	144.4	0.483
300	7.349	34.147	7.320	26.724	138.0	0.554
400	6.449	34.160	6.413	26.857	126.3	0.685
500	6.034	34.248	5.991	26.981	115.6	0.806
600	5.563	34.270	5.512	27.058	109.1	0.919
800	4.406	34.324	4.345	27.234	92.9	1.120
1000	3.895	34.421	3.820	27.366	81.4	1.294
1007	3.874	34.422	3.799	27.369	81.1	1.300



STATION 92 AR 7



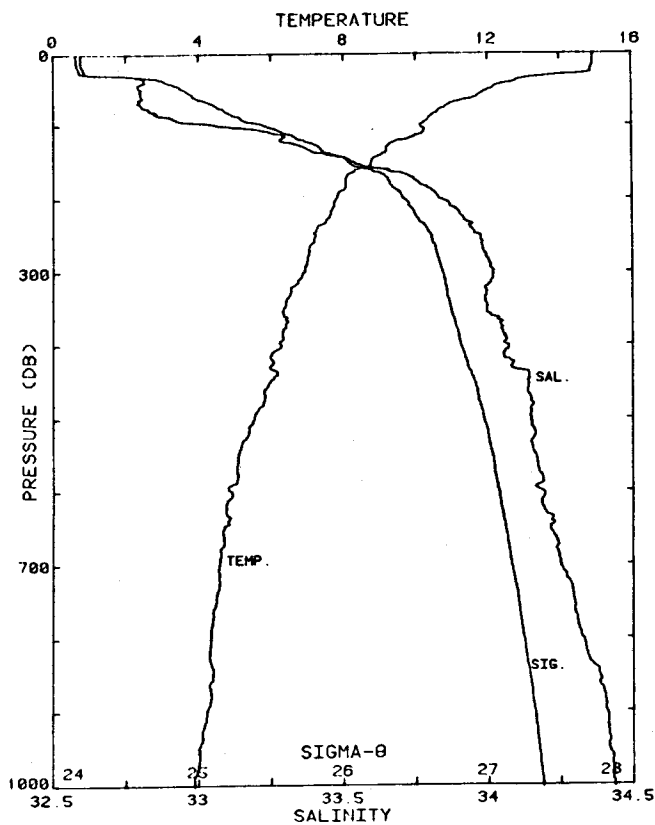
STATION 93 AR 8

STA NO 93 ,AR8 LAT: 38 48.3 N LONG:124 14.1 W
 21 JUL 1982 1805 GMT PROBE 2567 DEPTH 3055H
 45.8 KM FROM SHORE

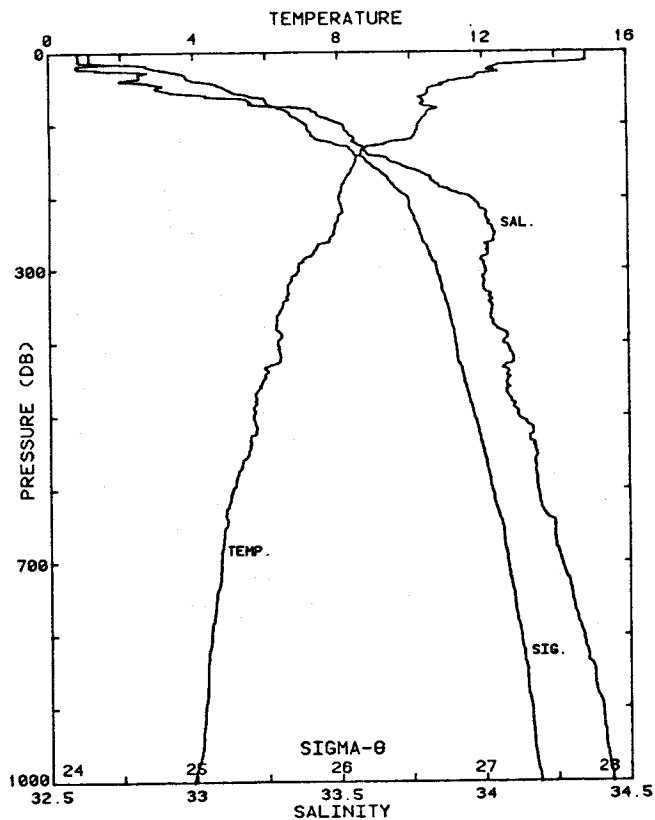
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.705	32.673	13.705	24.471	347.1	0.003
10	13.676	32.674	13.675	24.478	346.6	0.035
20	12.729	32.705	12.726	24.691	326.6	0.069
30	10.910	32.670	10.906	25.000	297.3	0.100
40	10.782	32.904	10.778	25.204	278.1	0.128
50	10.585	32.985	10.579	25.302	269.0	0.156
60	11.005	33.198	10.998	25.394	260.6	0.182
70	10.985	33.263	10.977	25.448	255.7	0.208
80	10.601	33.335	10.592	25.572	244.1	0.233
90	10.570	33.445	10.559	25.663	235.6	0.257
100	10.100	33.504	10.089	25.790	223.7	0.280
110	9.037	33.504	9.026	25.964	207.2	0.302
120	8.657	33.556	8.645	26.064	197.8	0.322
130	8.502	33.631	8.489	26.147	190.1	0.341
140	8.193	33.715	8.179	26.259	179.6	0.360
150	8.054	33.741	8.039	26.301	175.7	0.377
175	8.541	34.010	8.523	26.438	163.4	0.419
200	8.179	34.041	8.159	26.518	156.2	0.459
225	7.899	34.058	7.877	26.573	151.3	0.498
250	7.518	34.069	7.494	26.637	145.4	0.535
300	7.332	34.140	7.303	26.720	138.3	0.606
400	6.287	34.121	6.251	26.848	127.0	0.738
500	6.188	34.237	6.144	26.953	118.4	0.861
600	5.378	34.241	5.328	27.057	108.9	0.975
800	4.380	34.330	4.319	27.242	92.1	1.176
1000	3.851	34.429	3.776	27.377	80.3	1.348
1007	3.824	34.434	3.750	27.383	79.7	1.353

STA NO 94 ,IR8 LAT: 39 3.0 N LONG:124 17.0 W
 21 JUL 1982 2039 GMT PROBE 2567 DEPTH 2339H
 50.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	14.934	32.595	14.933	24.154	377.3	0.008
10	14.921	32.596	14.920	24.158	377.1	0.038
20	14.883	32.601	14.880	24.170	376.3	0.075
30	14.557	32.636	14.553	24.267	367.4	0.113
40	12.760	32.812	12.755	24.768	319.8	0.146
50	12.127	32.793	12.120	24.875	309.9	0.178
60	11.721	32.801	11.713	24.956	302.3	0.208
70	11.018	32.790	11.010	25.075	291.1	0.238
80	10.620	32.831	10.610	25.177	281.6	0.266
90	10.343	32.906	10.333	25.283	271.7	0.294
100	10.101	33.056	10.089	25.441	256.9	0.321
110	10.188	33.241	10.175	25.570	244.8	0.346
120	9.621	33.276	9.607	25.692	233.3	0.370
130	9.182	33.358	9.168	25.828	220.6	0.392
140	9.039	33.434	9.024	25.910	212.9	0.414
150	8.766	33.525	8.750	26.024	202.2	0.435
175	8.039	33.744	8.021	26.306	175.7	0.482
200	7.786	33.833	7.766	26.413	165.9	0.524
225	7.603	33.911	7.581	26.501	157.9	0.565
250	7.214	33.971	7.190	26.604	148.4	0.603
300	6.902	34.017	6.874	26.683	141.6	0.675
400	6.248	34.062	6.213	26.806	130.9	0.812
500	5.513	34.147	5.471	26.965	116.4	0.935
600	4.865	34.182	4.818	27.070	107.0	1.046
800	4.321	34.323	4.260	27.243	91.9	1.244
1000	3.901	34.436	3.826	27.377	80.3	1.416
1003	3.888	34.437	3.813	27.379	80.1	1.418



STATION 94 IR 8



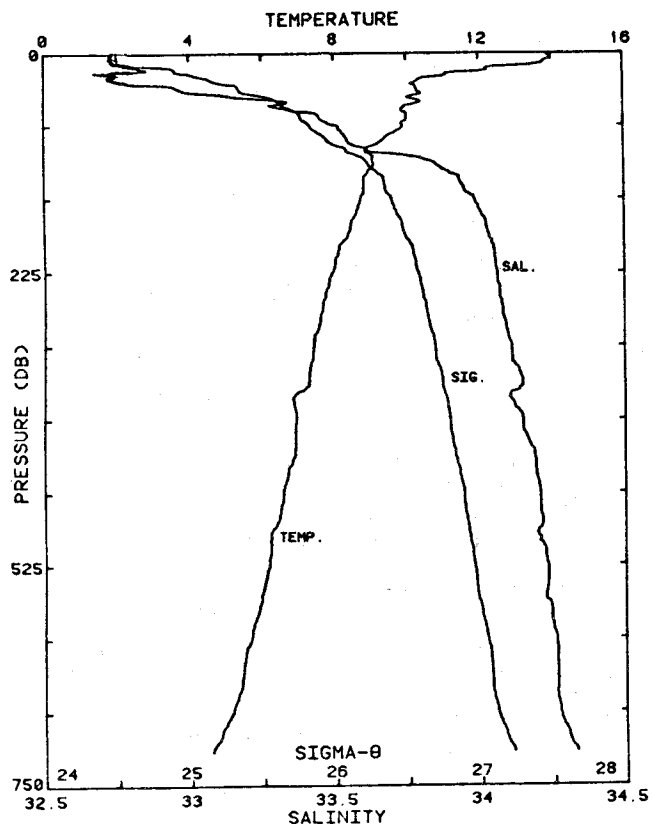
STATION 95 IR 7

STA NO 95 ,IR7 LAT: 39 3.0 N LONG:124 10.0 W
21 JUL 1982 2211 GMT PROBE 2567 DEPTH 1095M
40.8 KM FROM SHORE

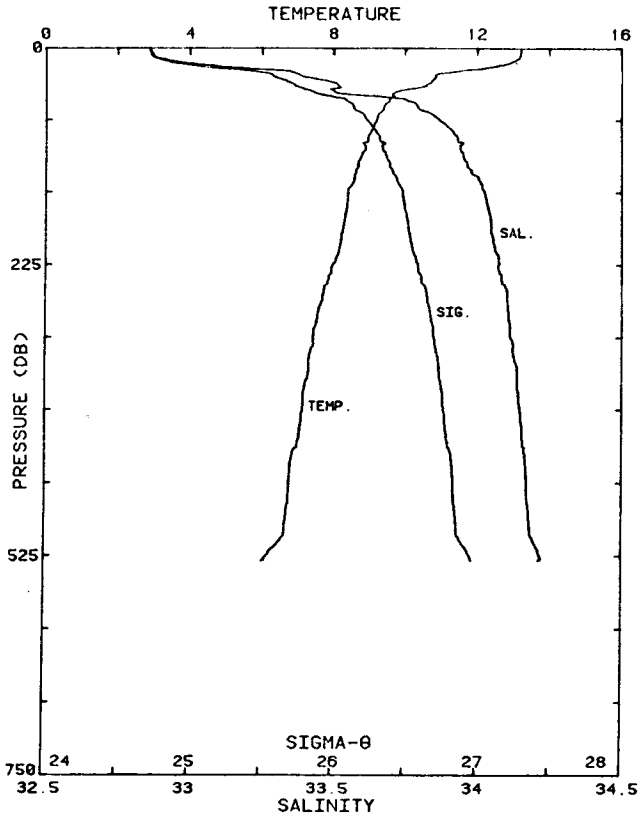
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	14.864	32.640	14.864	24.204	372.6	0.007
10	14.854	32.640	14.853	24.207	372.5	0.037
20	12.403	32.594	12.400	24.668	328.8	0.073
30	12.096	32.824	12.092	24.903	306.6	0.105
40	11.254	32.745	11.249	24.997	297.9	0.135
50	10.571	32.870	10.565	25.215	277.3	0.163
60	10.437	33.045	10.430	25.375	262.4	0.191
70	10.373	33.198	10.365	25.505	250.2	0.216
80	10.581	33.409	10.571	25.633	238.3	0.241
90	10.396	33.444	10.385	25.692	232.9	0.264
100	10.209	33.516	10.197	25.781	224.6	0.287
110	10.141	33.532	10.129	25.805	222.6	0.309
120	10.021	33.553	10.007	25.842	219.2	0.332
130	8.835	33.584	8.821	26.058	198.6	0.353
140	8.611	33.599	8.596	26.106	194.2	0.372
150	8.465	33.675	8.450	26.187	186.6	0.391
175	8.176	33.819	8.158	26.344	172.2	0.436
200	8.002	33.958	7.982	26.479	159.8	0.478
225	7.981	34.007	7.959	26.521	156.2	0.517
250	7.860	34.039	7.835	26.564	152.6	0.556
300	6.887	34.006	6.859	26.676	142.2	0.629
400	6.284	34.065	6.249	26.804	131.1	0.765
500	5.603	34.115	5.561	26.930	119.9	0.891
600	5.039	34.183	4.991	27.051	109.0	1.005
800	4.418	34.338	4.356	27.244	92.0	1.205
1000	3.917	34.437	3.842	27.376	80.5	1.378
1002	3.914	34.437	3.839	27.377	80.4	1.380

STA NO 96 ,IR6 LAT: 39 2.9 N LONG:124 4.0 W
21 JUL 1982 2340 GMT PROBE 2567 DEPTH 723M
32.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	13.897	32.727	13.897	24.473	346.9	0.007
10	13.769	32.733	13.767	24.505	344.1	0.035
20	11.976	32.793	11.974	24.902	306.5	0.067
30	10.268	32.739	10.264	25.165	281.6	0.096
40	10.279	32.977	10.275	25.348	264.4	0.123
50	10.323	33.313	10.318	25.602	240.5	0.148
60	9.847	33.352	9.841	25.713	230.1	0.172
70	9.954	33.462	9.946	25.781	223.9	0.195
80	9.714	33.523	9.705	25.868	215.8	0.217
90	9.323	33.543	9.313	25.949	208.3	0.238
100	8.843	33.613	8.833	26.080	196.0	0.258
110	9.028	33.807	9.016	26.202	184.6	0.277
120	8.985	33.868	8.972	26.256	179.6	0.295
130	8.783	33.927	8.769	26.335	172.3	0.313
140	8.792	33.944	8.777	26.347	171.4	0.330
150	8.701	33.979	8.685	26.389	167.6	0.347
175	8.440	34.022	8.423	26.463	161.1	0.388
200	8.101	34.047	8.081	26.534	154.6	0.428
225	7.939	34.058	7.917	26.567	151.9	0.466
250	7.725	34.067	7.701	26.606	148.5	0.503
300	7.394	34.106	7.365	26.685	141.7	0.576
400	6.878	34.167	6.841	26.806	131.5	0.712
500	6.181	34.201	6.137	26.926	121.0	0.838
600	5.642	34.259	5.591	27.039	111.0	0.955
716	4.578	34.326	4.522	27.217	94.0	1.076



STATION 96 IR 6



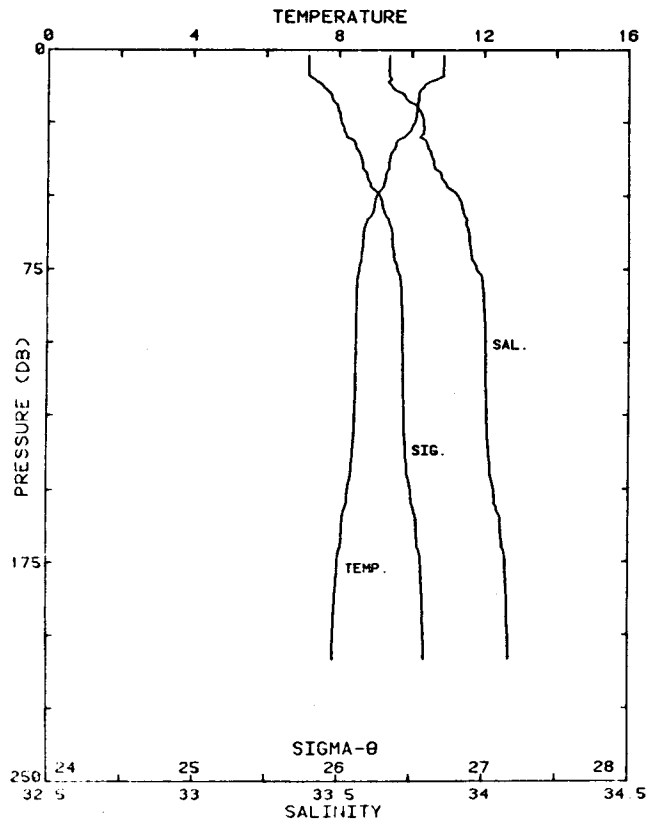
STATION 97 IR 5

STA NO 97 ,IR5 LAT: 39 3.0 N LONG:124 0.0 W
 22 JUL 1982 0118 GMT PROBE 2567 DEPTH 539M
 26.4 KM FROM SHORE

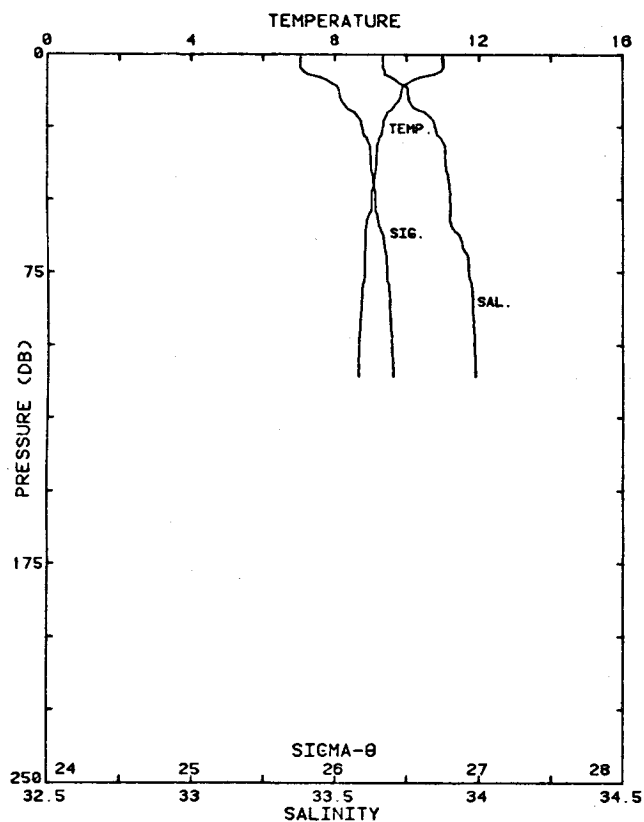
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.198	32.864	13.198	24.720	323.3	0.003
10	13.157	32.880	13.156	24.741	321.6	0.032
20	12.387	33.119	12.385	25.076	289.9	0.063
30	10.815	33.387	10.812	25.571	242.7	0.089
40	10.526	33.514	10.521	25.723	228.8	0.113
50	9.602	33.579	9.596	25.930	209.3	0.135
60	9.389	33.784	9.383	26.126	190.9	0.155
70	9.195	33.842	9.187	26.202	183.8	0.173
80	9.098	33.886	9.090	26.252	179.2	0.192
90	8.956	33.920	8.946	26.301	174.8	0.209
100	8.789	33.944	8.778	26.347	170.6	0.227
110	8.757	33.946	8.746	26.354	170.2	0.244
120	8.648	33.960	8.636	26.382	167.7	0.261
130	8.581	33.976	8.568	26.405	165.7	0.277
140	8.522	34.007	8.508	26.438	162.7	0.294
150	8.372	34.021	8.357	26.472	159.6	0.310
175	8.289	34.041	8.271	26.501	157.4	0.350
200	8.168	34.052	8.147	26.528	155.2	0.389
225	7.933	34.071	7.910	26.578	150.8	0.427
250	7.705	34.098	7.681	26.633	145.9	0.464
300	7.401	34.111	7.373	26.687	141.5	0.536
400	7.017	34.152	6.980	26.775	134.6	0.674
500	6.625	34.182	6.579	26.853	128.4	0.804
530	6.015	34.213	5.969	26.957	118.3	0.841

STA NO 98 ,IR4 LAT: 39 3.0 N LONG:123 56.4 W
 22 JUL 1982 0211 GMT PROBE 2567 DEPTH 217M
 21.3 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.862	33.671	10.862	25.786	222.0	0.004
10	10.664	33.680	10.663	25.827	218.2	0.022
20	10.134	33.770	10.132	25.989	203.1	0.043
30	9.790	33.776	9.787	26.052	197.3	0.063
40	9.373	33.826	9.369	26.160	187.2	0.082
50	9.031	33.908	9.025	26.279	176.1	0.100
60	8.720	33.938	8.714	26.352	169.4	0.118
70	8.626	33.957	8.619	26.382	166.7	0.134
80	8.508	33.996	8.499	26.430	162.3	0.151
90	8.484	34.002	8.475	26.439	161.6	0.167
100	8.481	34.006	8.470	26.443	161.4	0.183
110	8.472	34.008	8.461	26.446	161.3	0.199
120	8.459	34.010	8.447	26.450	161.2	0.216
130	8.436	34.013	8.422	26.456	160.8	0.232
140	8.379	34.021	8.365	26.471	159.5	0.248
150	8.259	34.038	8.244	26.502	156.7	0.263
175	7.991	34.077	7.974	26.573	150.4	0.302
200	7.896	34.088	7.876	26.596	148.6	0.339
208	7.883	34.088	7.863	26.599	148.5	0.351



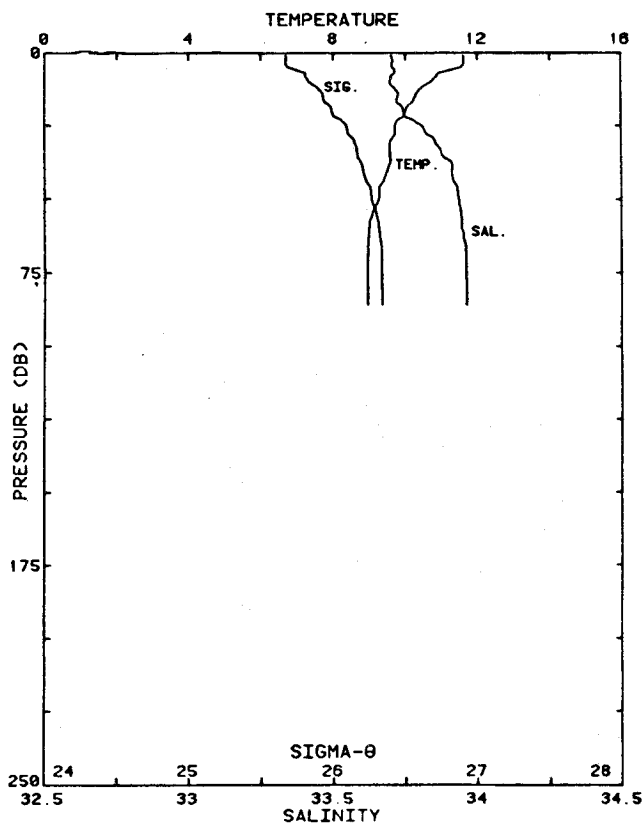
STATION 98 IR 4



STATION 99 IR 3

STA NO 99 ,IR3 LAT: 39 3.0 N LONG:123 53.0 W
 22 JUL 1982 0253 GMT PROBE 2567 DEPTH 118M
 16.4 KM FROM SHORE

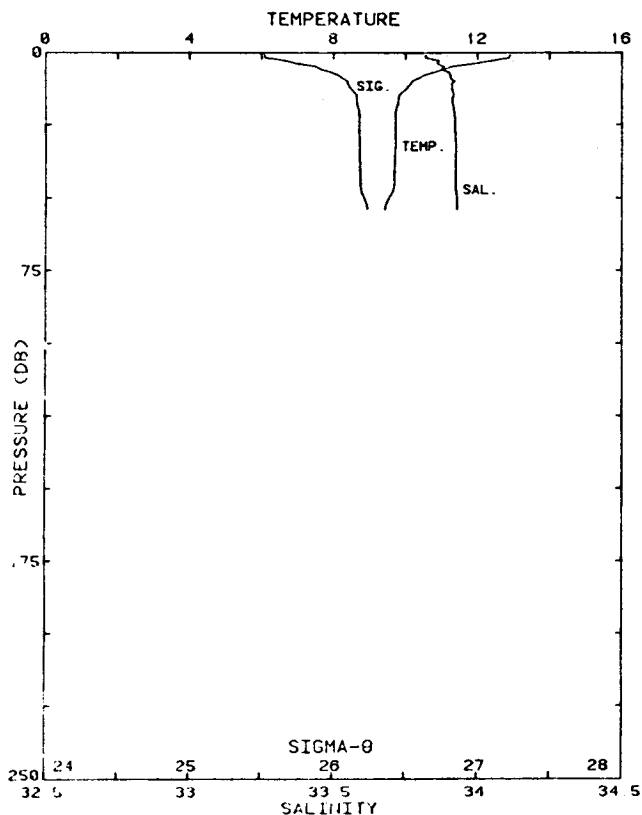
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.019	33.669	11.018	25.756	224.8	0.002
10	10.027	33.721	10.026	25.969	204.7	0.022
20	9.453	33.811	9.451	26.136	189.1	0.042
30	9.192	33.871	9.188	26.224	180.9	0.060
40	9.113	33.885	9.109	26.249	178.8	0.078
50	9.003	33.899	8.998	26.277	176.3	0.096
60	8.838	33.908	8.832	26.310	173.4	0.113
70	8.811	33.962	8.804	26.357	169.1	0.131
80	8.757	33.974	8.749	26.375	167.6	0.147
90	8.721	33.979	8.712	26.385	166.9	0.164
100	8.671	33.984	8.661	26.397	165.9	0.181
110	8.643	33.986	8.632	26.403	165.5	0.197
111	8.640	33.987	8.628	26.404	165.4	0.199



STATION 100 IR 2

STA NO 100 ,IR2 LAT: 39 3.0 N LONG:123 48.5 W
 22 JUL 1982 0337 GMT PROBE 2567 DEPTH 92M
 9.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.611	33.702	11.611	25.674	232.6	0.002
10	10.695	33.695	10.694	25.834	217.6	0.023
20	9.999	33.742	9.997	25.991	202.9	0.044
30	9.591	33.852	9.587	26.145	188.4	0.063
40	9.496	33.911	9.492	26.207	182.8	0.082
50	9.259	33.935	9.253	26.264	177.6	0.100
60	8.991	33.946	8.985	26.316	172.8	0.117
70	8.944	33.960	8.937	26.334	171.3	0.134
80	8.944	33.960	8.935	26.335	171.4	0.151
86	8.938	33.962	8.929	26.337	171.3	0.162



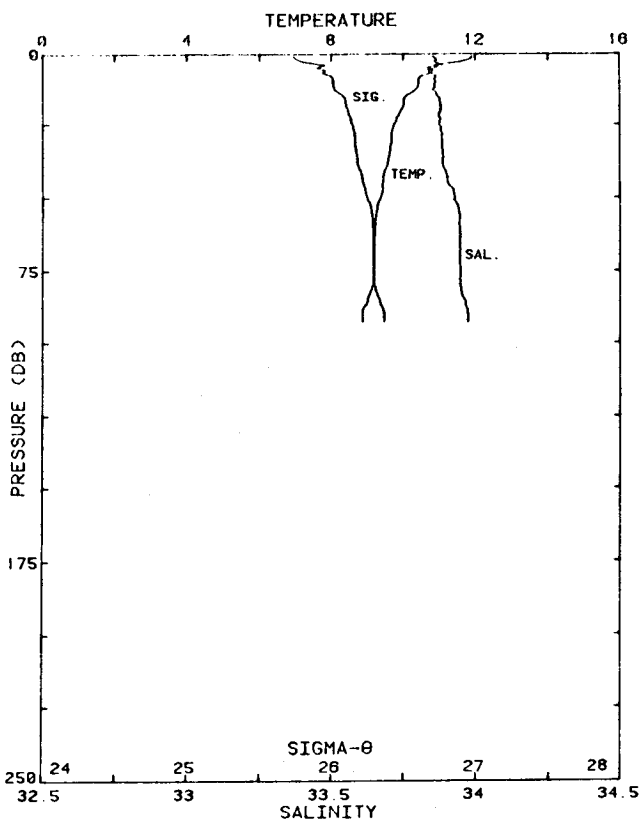
STATION 101 IR 1

STA NO 101 ,IR1 LAT: 39 3.0 N LONG:123 44.5 W
 22 JUL 1982 0419 GMT PROBE 2567 DEPTH 63M
 4.2 KM FROM SHORE

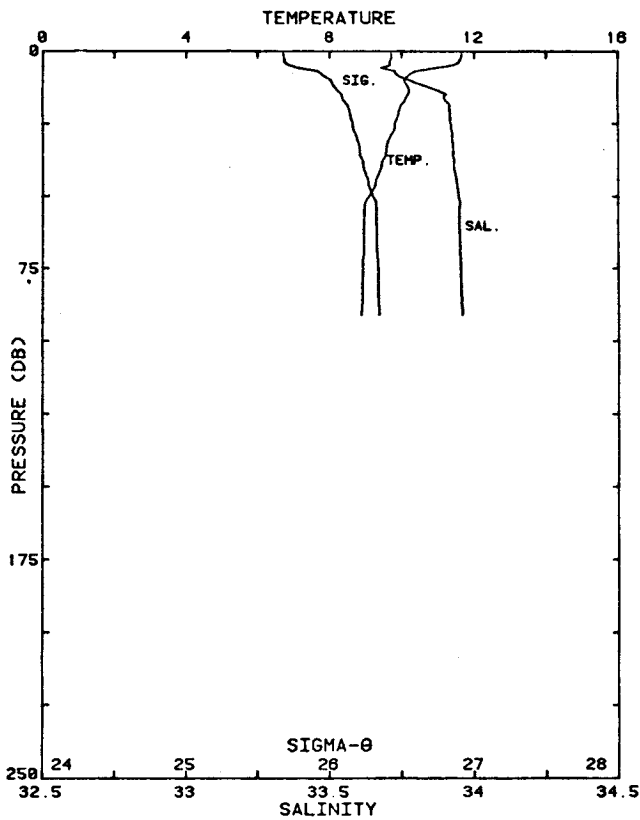
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	12.897	33.819	12.897	25.518	247.4	0.002
10	10.179	33.920	10.178	26.098	192.5	0.022
20	9.722	33.917	9.720	26.174	185.5	0.041
30	9.715	33.923	9.712	26.180	185.2	0.059
40	9.692	33.925	9.688	26.185	184.9	0.078
50	9.538	33.928	9.533	26.213	182.4	0.096
54	9.424	33.930	9.418	26.234	180.5	0.104

STA NO 102 ,FIF1 LAT: 39 7.7 N LONG:123 47.8 W
 22 JUL 1982 0515 GMT PROBE 2567 DEPTH 98M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	11.905	33.853	11.905	25.736	226.7	0.002
10	10.414	33.861	10.413	26.012	200.6	0.021
20	9.930	33.880	9.928	26.110	191.6	0.041
30	9.652	33.884	9.648	26.160	187.1	0.060
40	9.500	33.891	9.496	26.191	184.3	0.078
50	9.352	33.927	9.347	26.243	179.6	0.097
60	9.183	33.944	9.176	26.284	175.9	0.114
70	9.162	33.946	9.155	26.288	175.6	0.132
80	9.144	33.945	9.135	26.291	175.6	0.149
90	8.839	33.973	8.829	26.362	169.0	0.167
93	8.837	33.972	8.827	26.361	169.2	0.172

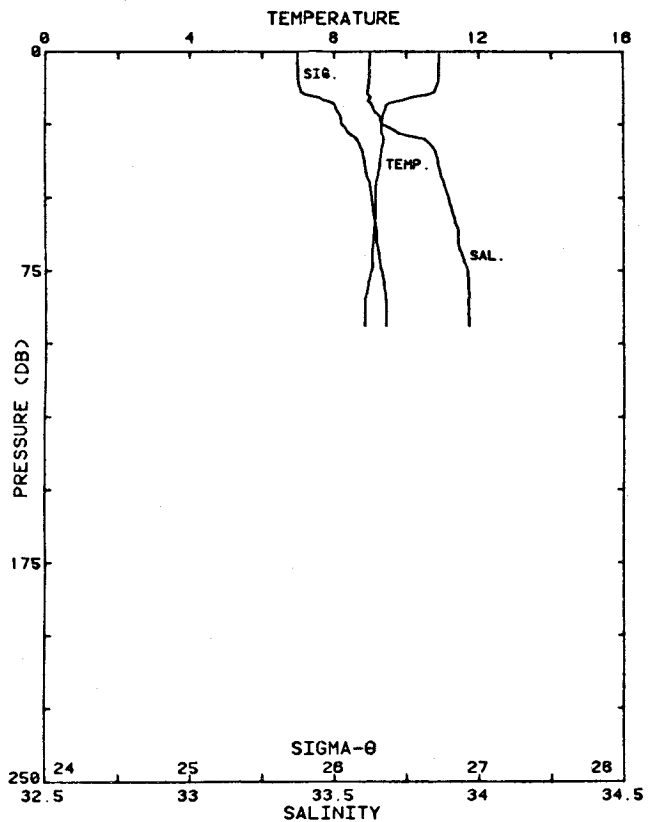


STATION 102 FIF 1



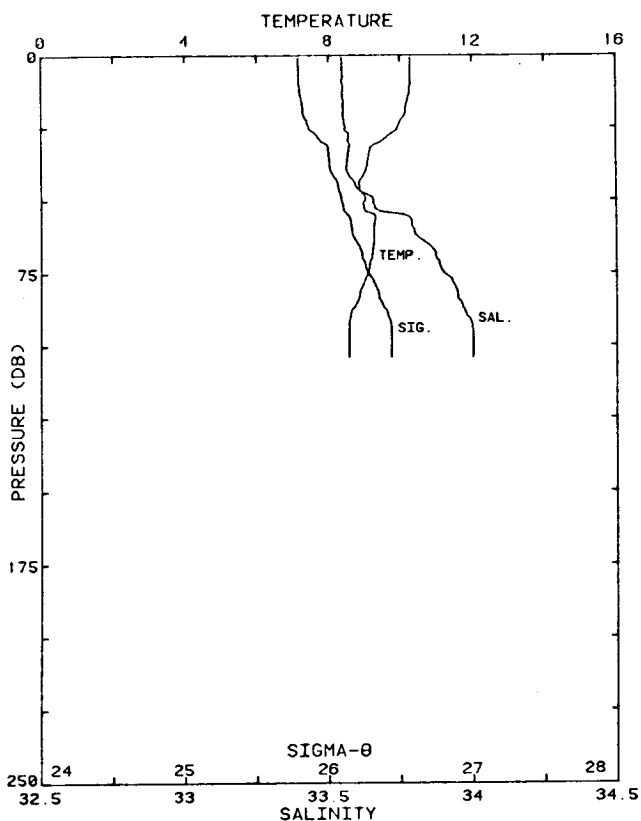
STA NO 103 ,FIF2 LAT: 39 2.3 N LONG:123 48.9 W
 22 JUL 1982 0614 GMT PROBE 2567 DEPTH 96M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.646	33.713	11.646	25.675	232.5	0.002
10	10.072	33.776	10.071	26.004	201.4	0.022
20	9.939	33.916	9.937	26.136	189.1	0.042
30	9.651	33.923	9.648	26.190	184.2	0.060
40	9.421	33.930	9.416	26.234	180.2	0.079
50	9.098	33.946	9.092	26.298	174.3	0.096
60	8.948	33.949	8.942	26.325	171.9	0.114
70	8.934	33.951	8.926	26.329	171.8	0.131
80	8.906	33.955	8.898	26.336	171.3	0.148
90	8.880	33.959	8.871	26.344	170.7	0.165
91	8.879	33.958	8.870	26.343	170.8	0.167



STA NO 104 ,FIF3 LAT: 38 56.3 N LONG:123 47.0 W
 22 JUL 1982 0714 GMT PROBE 2567 DEPTH 98M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.895	33.625	10.894	25.744	225.9	0.002
10	10.864	33.619	10.863	25.745	226.1	0.023
20	9.380	33.634	9.378	26.009	201.1	0.044
30	9.363	33.810	9.360	26.149	188.0	0.064
40	9.226	33.861	9.221	26.212	182.3	0.082
50	9.116	33.894	9.111	26.255	178.4	0.100
60	9.076	33.924	9.070	26.285	175.8	0.118
70	9.029	33.942	9.022	26.307	173.9	0.136
80	8.914	33.962	8.906	26.341	170.8	0.153
90	8.825	33.963	8.816	26.356	169.6	0.170
94	8.821	33.964	8.811	26.357	169.6	0.177

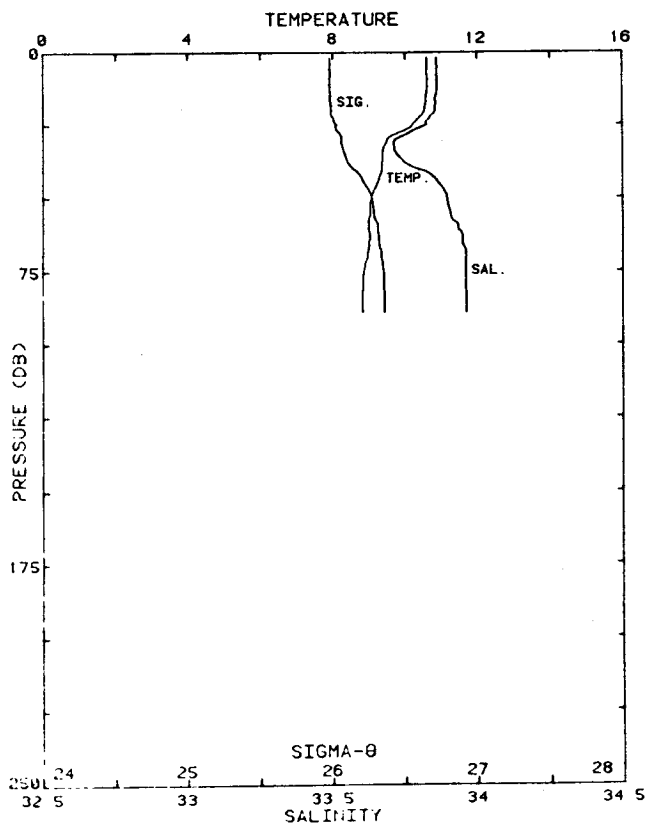


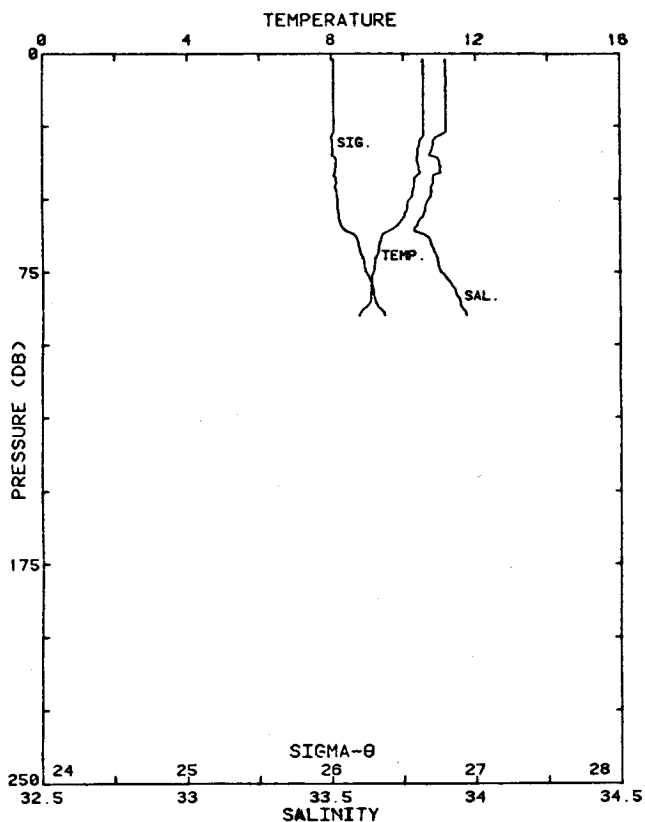
STA NO 105 ,FIF4 LAT: 38 51.3 N LONG:123 47.3 W
 22 JUL 1982 0806 GMT PROBE 2567 DEPTH 111M
 2 MIN. GAP 87-88DB

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.294	33.546	10.294	25.788	221.8	0.002
10	10.283	33.546	10.281	25.790	221.8	0.022
20	10.134	33.550	10.132	25.818	219.3	0.044
30	9.438	33.566	9.434	25.947	207.3	0.066
40	9.018	33.562	9.014	26.011	201.3	0.086
50	9.018	33.656	9.013	26.085	194.5	0.106
60	9.249	33.795	9.242	26.157	187.9	0.125
70	9.178	33.872	9.171	26.228	181.4	0.143
80	8.899	33.939	8.890	26.325	172.3	0.161
90	8.573	33.978	8.564	26.407	164.7	0.178
100	8.534	33.999	8.524	26.429	162.7	0.194
104	8.535	33.998	8.524	26.428	162.9	0.201

STA NO 106 ,FIF5 LAT: 38 48.7 N LONG:123 41.7 W
 22 JUL 1982 0923 GMT PROBE 2567 DEPTH 93M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.600	33.858	10.600	25.977	203.8	0.004
10	10.603	33.859	10.602	25.978	204.0	0.020
20	10.530	33.853	10.527	25.986	203.4	0.041
30	9.481	33.715	9.477	26.056	196.9	0.061
40	9.350	33.788	9.346	26.134	189.6	0.080
50	9.053	33.895	9.047	26.266	177.3	0.098
60	8.976	33.933	8.969	26.308	173.5	0.116
70	8.946	33.960	8.939	26.334	171.3	0.133
80	8.822	33.960	8.813	26.354	169.6	0.150
89	8.807	33.961	8.798	26.357	169.5	0.166





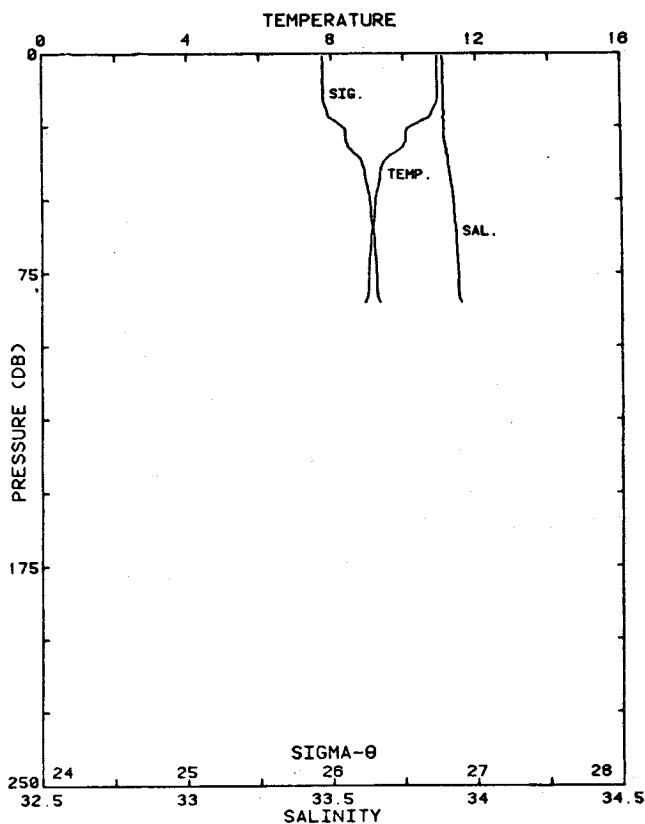
STATION 107 FIF 6

STA NO 107 ,FIF6 LAT: 38 44.8 N LONG:123 37.7 W
22 JUL 1982 1015 GMT PROBE 2567 DEPTH 94M

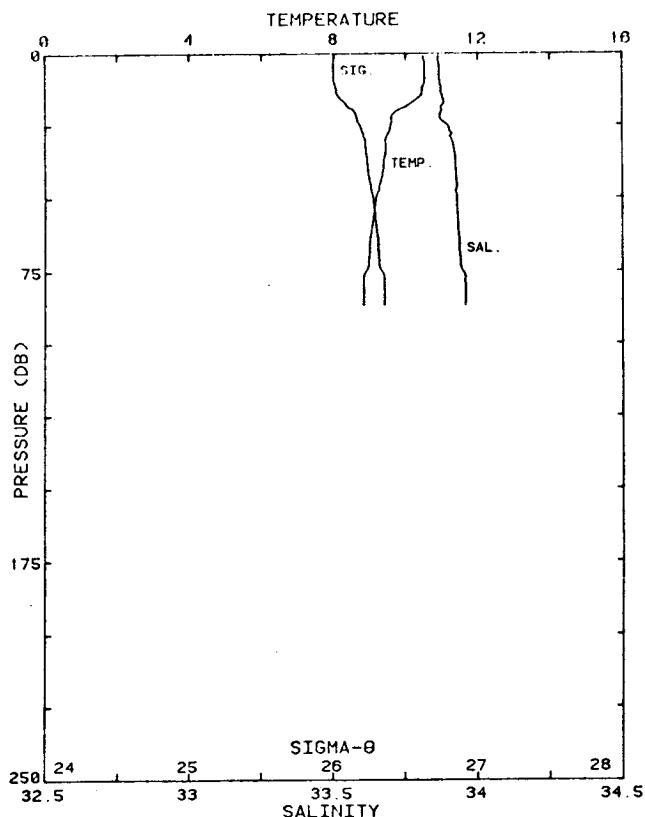
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
2	10.548	33.896	10.547	26.016	200.1	0.004
10	10.555	33.897	10.553	26.016	200.3	0.020
20	10.554	33.897	10.551	26.016	200.6	0.040
30	10.423	33.852	10.419	26.004	201.9	0.060
40	10.412	33.875	10.408	26.024	200.2	0.080
50	10.151	33.836	10.145	26.039	199.0	0.100
60	9.706	33.785	9.700	26.074	195.9	0.120
70	9.217	33.865	9.209	26.216	182.5	0.139
80	9.079	33.920	9.071	26.282	176.5	0.157
90	8.766	33.968	8.757	26.369	168.3	0.174

STA NO 108 ,FIF7 LAT: 38 41.2 N LONG:123 33.3 W
22 JUL 1982 1109 GMT PROBE 2567 DEPTH 98M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.935	33.885	10.935	25.939	207.4	0.002
10	10.937	33.885	10.936	25.939	207.6	0.021
20	10.777	33.889	10.775	25.970	204.9	0.041
30	10.041	33.889	10.037	26.099	192.9	0.061
40	9.348	33.906	9.344	26.227	180.9	0.080
50	9.200	33.919	9.194	26.261	177.8	0.098
60	9.108	33.927	9.102	26.282	176.0	0.115
70	9.019	33.933	9.012	26.301	174.1	0.133
80	8.991	33.936	8.982	26.309	173.9	0.150
85	8.897	33.946	8.888	26.331	171.9	0.159



STATION 108 FIF 7



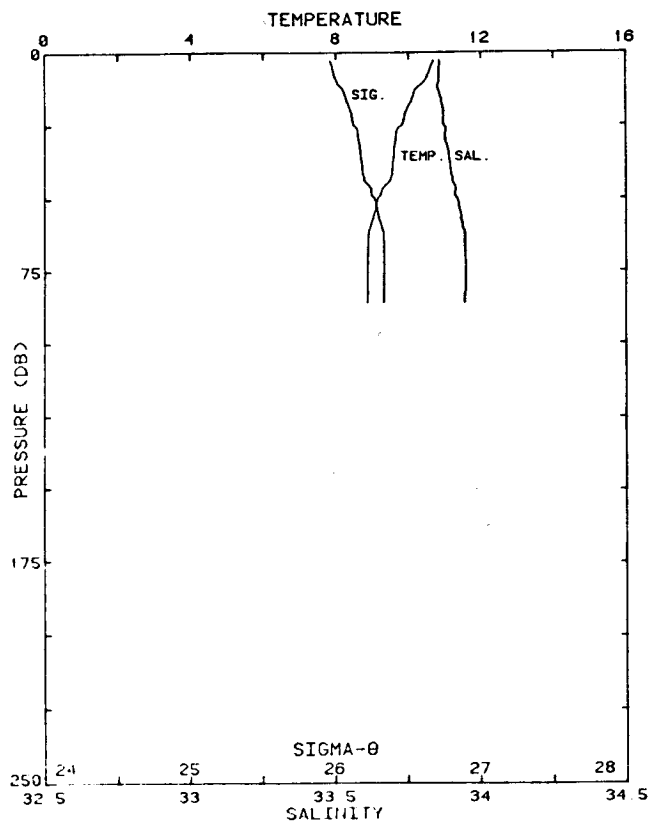
STATION 109 FIF 8

STA NO 109 ,FIF8 LAT: 38 37.5 N LONG:123 28.9 W
22 JUL 1982 1208 GMT PROBE 2567 DEPTH 94M

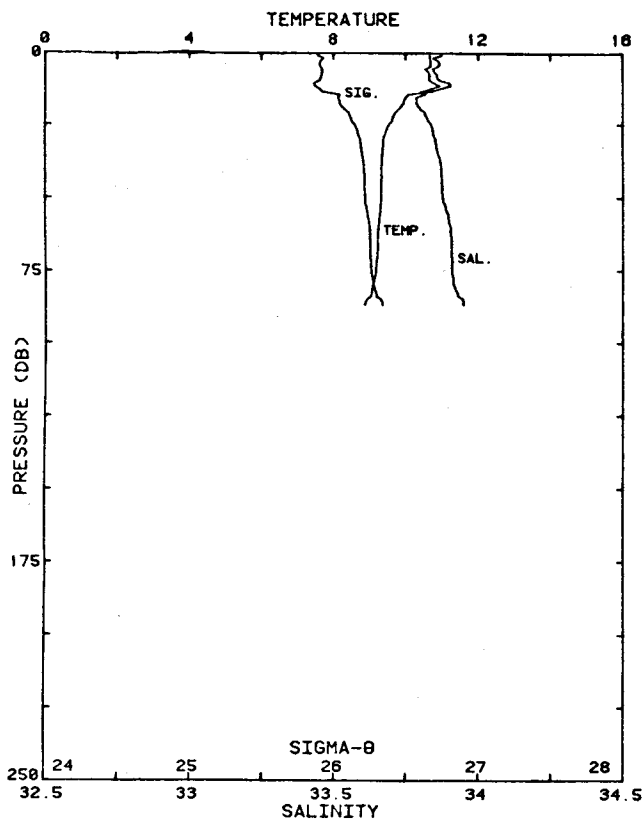
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.480	33.862	10.479	26.001	201.5	0.002
10	10.519	33.867	10.518	25.998	202.0	0.020
20	9.769	33.874	9.767	26.132	189.4	0.040
30	9.418	33.908	9.414	26.217	181.6	0.059
40	9.369	33.923	9.365	26.237	179.9	0.077
50	9.171	33.927	9.166	26.272	176.8	0.094
60	9.051	33.931	9.045	26.295	174.8	0.112
70	8.977	33.939	8.970	26.312	173.4	0.129
80	8.823	33.956	8.815	26.350	169.9	0.147
87	8.821	33.955	8.811	26.350	170.1	0.159

STA NO 110 ,FIF9 LAT: 38 33.6 N LONG:123 24.4 W
22 JUL 1982 1303 GMT PROBE 2567 DEPTH 92M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
3	10.687	33.854	10.687	25.959	205.6	0.006
10	10.430	33.854	10.428	26.004	201.5	0.020
20	9.928	33.870	9.925	26.102	192.3	0.040
30	9.638	33.877	9.635	26.157	187.3	0.059
40	9.559	33.896	9.555	26.185	184.9	0.078
50	9.158	33.919	9.153	26.268	177.2	0.096
60	8.949	33.938	8.943	26.317	172.7	0.113
70	8.881	33.947	8.874	26.334	171.2	0.130
80	8.880	33.948	8.871	26.335	171.4	0.148
86	8.879	33.943	8.870	26.331	171.9	0.158



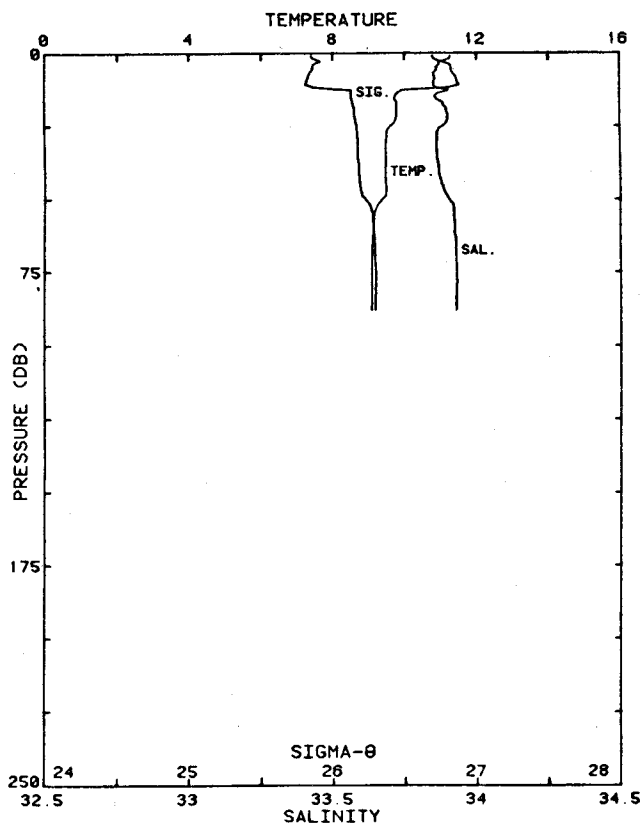
STATION 110 FIF 9



STATION 111 FIF 10

STA NO 111 ,FIF10 LAT: 38 39.8 N LONG:123 20.3 W
22 JUL 1982 1355 GHT PROBE 2567 DEPTH 92M

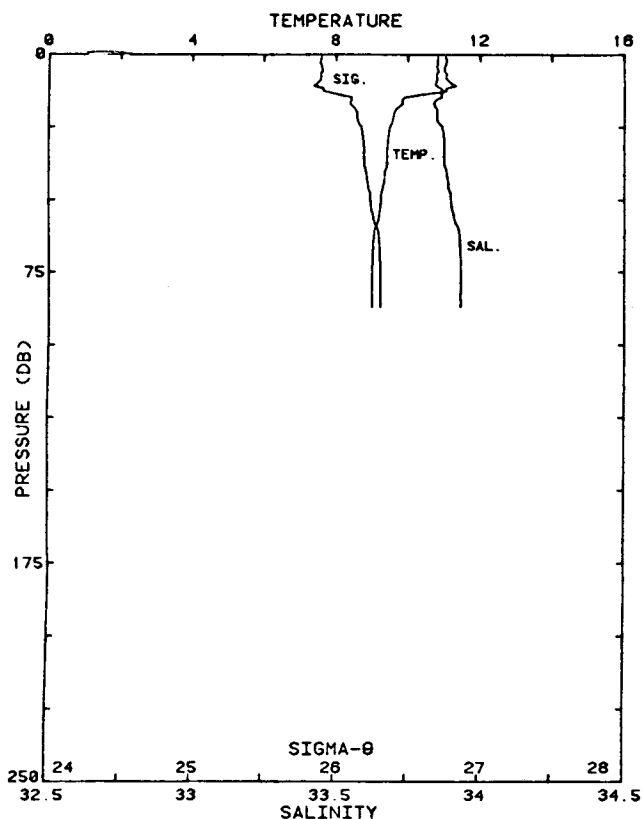
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.992	33.834	10.991	25.889	212.2	0.002
10	10.929	33.831	10.928	25.898	211.5	0.021
20	9.768	33.801	9.766	26.076	194.8	0.041
30	9.365	33.851	9.361	26.181	185.1	0.060
40	9.302	33.870	9.297	26.207	182.8	0.079
50	9.296	33.876	9.291	26.212	182.5	0.097
60	9.220	33.902	9.213	26.245	179.6	0.115
70	9.191	33.905	9.184	26.252	179.1	0.133
80	9.077	33.914	9.069	26.277	176.9	0.151
87	8.862	33.949	8.853	26.339	171.1	0.163



STATION 112 FIF 11

STA NO 112 ,FIF11 LAT: 38 25.6 N LONG:123 16.7 W
22 JUL 1982 1445 GHT PROBE 2567 DEPTH 92M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.269	33.846	11.269	25.849	216.0	0.002
10	11.462	33.848	11.461	25.815	219.4	0.022
20	9.773	33.895	9.771	26.148	188.0	0.041
30	9.474	33.859	9.470	26.170	186.1	0.060
40	9.450	33.865	9.446	26.178	185.5	0.078
50	9.359	33.900	9.354	26.221	181.7	0.097
60	9.101	33.921	9.094	26.279	176.3	0.115
70	9.058	33.926	9.050	26.289	175.5	0.132
80	9.051	33.926	9.042	26.291	175.6	0.150
88	9.059	33.924	9.049	26.289	176.0	0.164



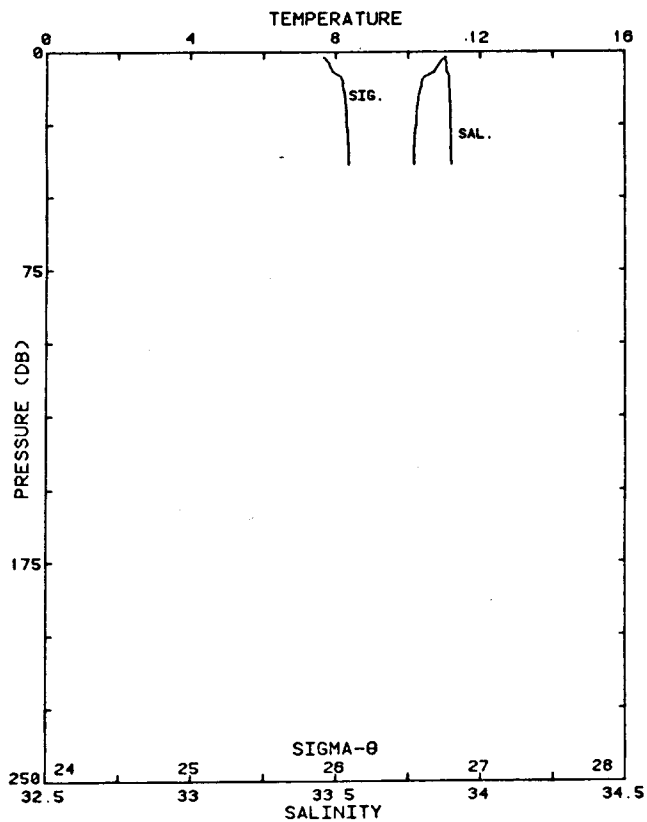
STATION 113 FIF 12

STA NO 113 ,FIF12 LAT: 38 21.9 N LONG:123 14.0 W
22 JUL 1982 1529 GMT PROBE 2567 DEPTH 92M

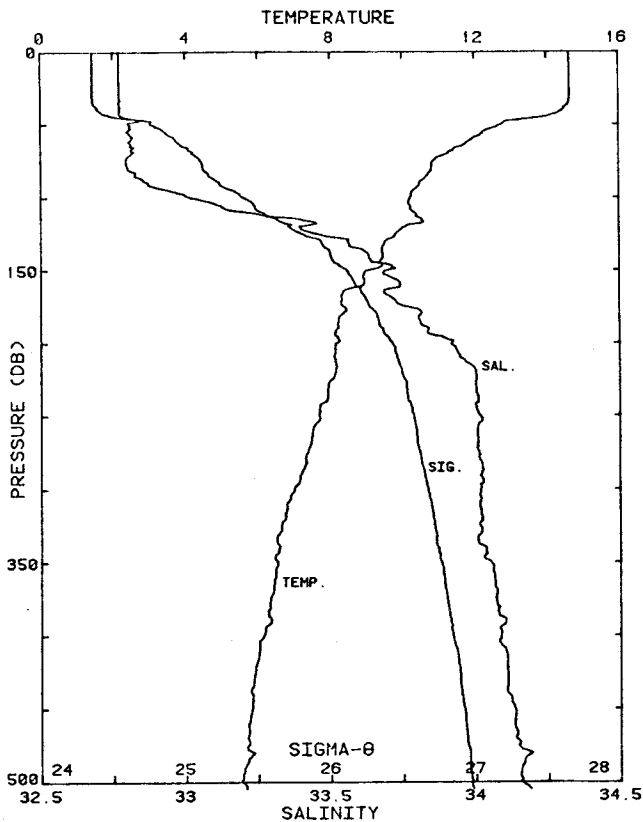
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	11.026	33.853	11.026	25.898	211.4	0.002
10	11.165	33.844	11.164	25.866	214.6	0.021
20	9.598	33.849	9.596	26.141	188.6	0.041
30	9.435	33.875	9.431	26.189	184.3	0.060
40	9.360	33.883	9.355	26.207	182.8	0.078
50	9.242	33.899	9.236	26.239	180.0	0.096
60	9.065	33.924	9.059	26.286	175.6	0.114
70	9.007	33.932	9.000	26.302	174.3	0.132
80	8.988	33.934	8.980	26.307	174.1	0.149
87	8.989	33.933	8.979	26.307	174.2	0.161

STA NO 114 ,COC1 LAT: 38 40.0 N LONG:123 25.4 W
22 JUL 1982 2009 GMT PROBE 2567 DEPTH 43M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
2	11.045	33.877	11.044	25.913	209.9	0.004
10	10.362	33.890	10.361	26.044	197.7	0.021
20	10.230	33.896	10.228	26.071	195.3	0.040
30	10.171	33.897	10.167	26.082	194.5	0.060
39	10.148	33.897	10.144	26.086	194.3	0.077



STATION 114 COC 1



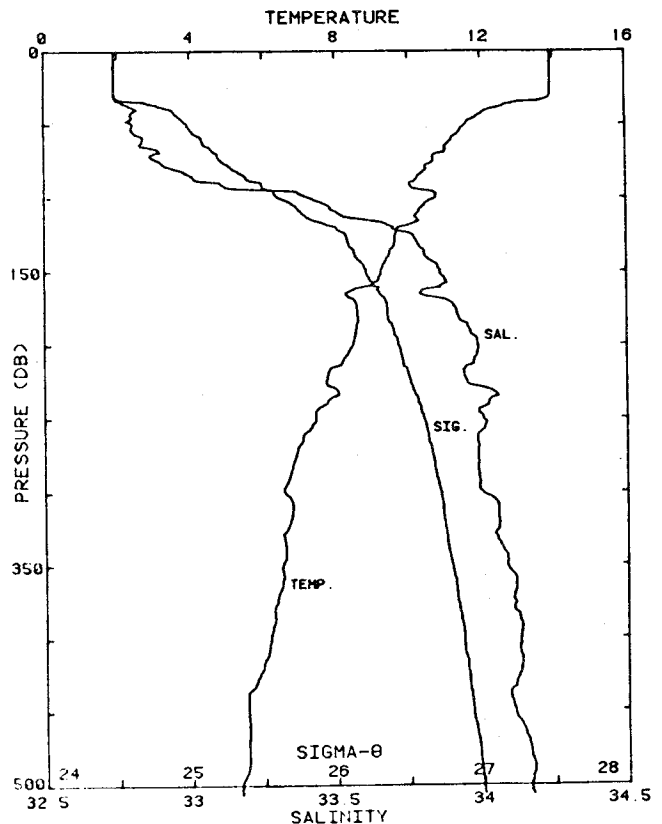
STATION 115 SW 1

STA NO 115 ,SW1 LAT: 38 40.1 N LONG:126 37.9 W
24 JUL 1982 1027 GMT PROBE 2567 DEPTH 4369M

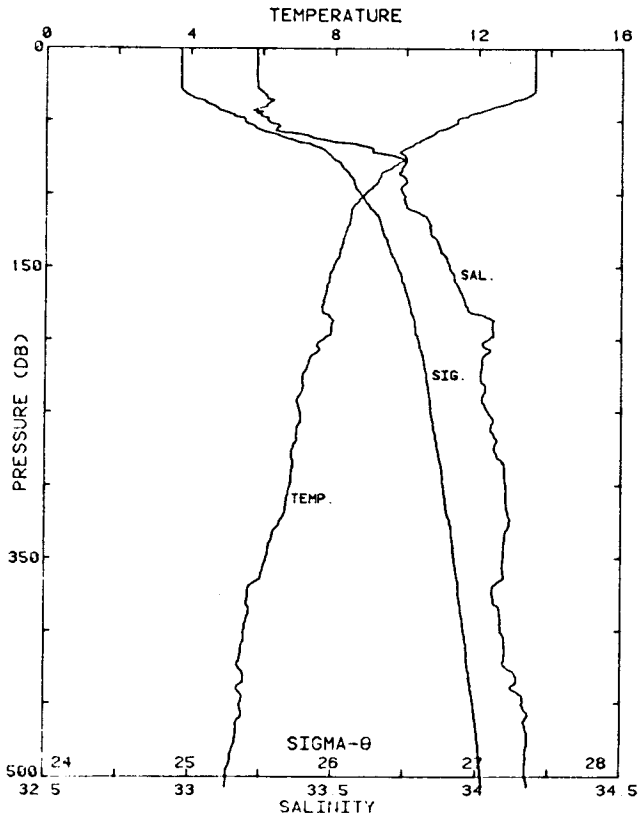
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	14.624	32.771	14.624	24.356	358.0	0.004
10	14.627	32.771	14.626	24.356	358.3	0.036
20	14.630	32.771	14.627	24.355	358.6	0.072
30	14.630	32.770	14.626	24.355	359.0	0.108
40	14.468	32.770	14.462	24.389	356.0	0.143
50	12.771	32.803	12.764	24.759	321.0	0.177
60	11.924	32.812	11.917	24.927	305.1	0.209
70	11.281	32.812	11.273	25.045	294.0	0.239
80	10.806	32.800	10.797	25.120	287.0	0.267
90	10.473	32.868	10.462	25.231	276.7	0.296
100	10.214	33.016	10.202	25.391	261.6	0.323
110	10.287	33.187	10.274	25.511	250.4	0.348
120	10.079	33.392	10.065	25.707	232.0	0.372
130	9.520	33.559	9.505	25.930	211.0	0.395
140	9.441	33.632	9.425	26.000	204.5	0.415
150	9.096	33.701	9.080	26.109	194.3	0.435
175	8.351	33.754	8.333	26.267	179.5	0.482
200	8.170	33.919	8.150	26.423	165.1	0.525
225	8.031	34.004	8.008	26.511	157.2	0.565
250	7.668	34.015	7.643	26.574	151.6	0.604
300	6.973	34.018	6.945	26.674	142.4	0.678
400	6.138	34.086	6.103	26.839	127.7	0.812
500	5.543	34.158	5.501	26.970	116.0	0.933
505	5.659	34.188	5.617	26.981	115.2	0.939

STA NO 116 ,SW2 LAT: 38 25.0 N LONG:126 27.2 W
24 JUL 1982 1254 GMT PROBE 2567 DEPTH 4414M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.924	32.739	13.924	24.478	346.5	0.003
10	13.925	32.737	13.924	24.476	346.8	0.035
20	13.926	32.738	13.923	24.477	347.1	0.069
30	13.915	32.739	13.911	24.480	347.0	0.104
40	12.228	32.818	12.222	24.874	309.6	0.137
50	11.586	32.804	11.580	24.983	299.5	0.168
60	11.198	32.837	11.190	25.080	290.5	0.197
70	10.781	32.875	10.773	25.183	280.9	0.226
80	10.489	32.943	10.479	25.286	271.2	0.254
90	10.039	33.104	10.029	25.488	252.1	0.280
100	10.741	33.405	10.729	25.602	241.7	0.305
110	10.258	33.505	10.245	25.764	226.4	0.328
120	9.744	33.699	9.730	26.002	204.0	0.350
130	9.620	33.778	9.605	26.084	196.4	0.370
140	9.444	33.809	9.429	26.137	191.5	0.389
150	9.237	33.857	9.220	26.209	184.9	0.408
175	8.578	33.912	8.560	26.356	171.2	0.452
200	8.476	33.985	8.455	26.429	164.7	0.495
225	7.730	33.948	7.708	26.511	157.0	0.535
250	7.425	34.003	7.401	26.599	149.0	0.573
300	6.566	33.999	6.539	26.714	138.4	0.645
400	6.156	34.129	6.121	26.870	124.7	0.777
500	5.342	34.161	5.301	26.997	113.3	0.895
506	5.339	34.169	5.297	27.004	112.7	0.902



STATION 116 SW 2



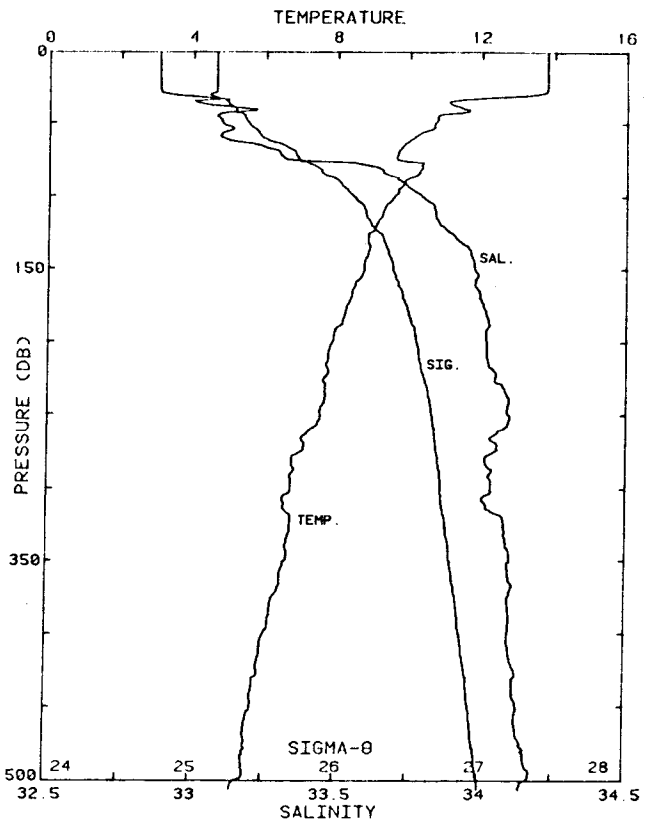
STATION 117 SW 3

STA NO 117 ,SW3 LAT: 38 5.0 N LONG:126 12.0 W
24 JUL 1982 1548 GHT PROBE 2567 DEPTH 1372M

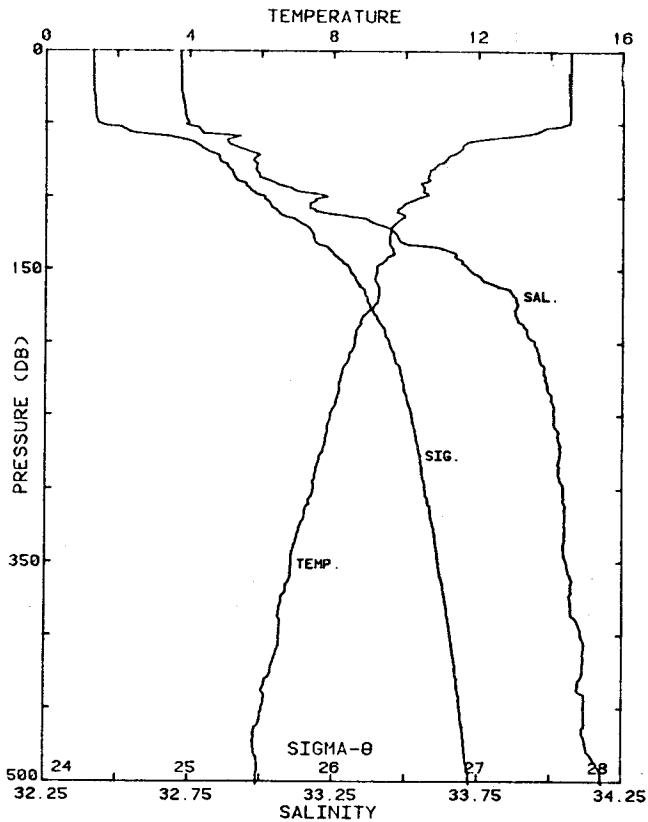
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.556	33.229	13.556	24.930	303.4	0.003
10	13.556	33.229	13.554	24.930	303.6	0.030
20	13.556	33.228	13.553	24.930	303.9	0.061
30	13.543	33.245	13.538	24.946	302.6	0.091
40	12.506	33.263	12.501	25.166	281.9	0.120
50	11.396	33.266	11.390	25.376	262.1	0.148
60	10.700	33.402	10.693	25.606	240.4	0.173
70	9.920	33.631	9.913	25.918	210.9	0.196
80	9.724	33.743	9.715	26.039	199.6	0.216
90	9.207	33.748	9.197	26.127	191.3	0.236
100	8.842	33.738	8.831	26.177	186.7	0.255
110	8.481	33.752	8.470	26.245	180.5	0.273
120	8.399	33.830	8.387	26.318	173.6	0.291
130	8.250	33.847	8.237	26.354	170.4	0.308
140	8.136	33.871	8.122	26.390	167.1	0.325
150	7.963	33.901	7.948	26.439	162.6	0.341
175	7.688	33.955	7.671	26.522	155.1	0.381
200	7.702	34.038	7.683	26.586	149.5	0.419
225	7.128	34.009	7.107	26.645	144.1	0.455
250	7.064	34.036	7.041	26.675	141.6	0.491
300	6.783	34.099	6.755	26.764	133.8	0.560
400	5.532	34.083	5.499	26.912	120.2	0.687
500	5.067	34.172	5.028	27.038	109.1	0.801
507	5.056	34.180	5.016	27.045	108.4	0.808

STA NO 118 ,SW4 LAT: 38 24.0 N LONG:126 8.0 W
24 JUL 1982 1829 GHT PROBE 2567 DEPTH 1266M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.794	33.080	13.794	24.767	318.9	0.003
10	13.792	33.079	13.791	24.767	319.2	0.032
20	13.794	33.079	13.791	24.767	319.5	0.064
30	13.510	33.057	13.506	24.808	315.8	0.096
40	11.479	33.167	11.474	25.284	270.6	0.124
50	10.669	33.098	10.663	25.375	262.1	0.151
60	10.089	33.097	10.083	25.474	252.9	0.177
70	9.655	33.295	9.647	25.701	231.5	0.201
80	10.325	33.637	10.315	25.854	217.2	0.223
90	9.825	33.720	9.815	26.004	203.1	0.244
100	9.550	33.791	9.539	26.105	193.7	0.264
110	9.251	33.837	9.239	26.190	185.8	0.283
120	9.070	33.854	9.057	26.232	182.0	0.302
130	8.834	33.915	8.821	26.318	174.0	0.319
140	8.836	33.962	8.821	26.354	170.8	0.337
150	8.724	33.974	8.708	26.381	168.4	0.353
175	8.257	34.004	8.240	26.477	159.6	0.395
200	7.861	34.018	7.841	26.547	153.3	0.434
225	7.636	34.047	7.614	26.602	148.4	0.471
250	7.527	34.091	7.503	26.654	143.9	0.508
300	6.723	34.035	6.696	26.721	137.8	0.578
400	6.007	34.098	5.972	26.865	125.1	0.710
500	5.258	34.165	5.217	27.010	111.9	0.829
506	5.160	34.145	5.120	27.006	112.2	0.835



STATION 118 SW 4



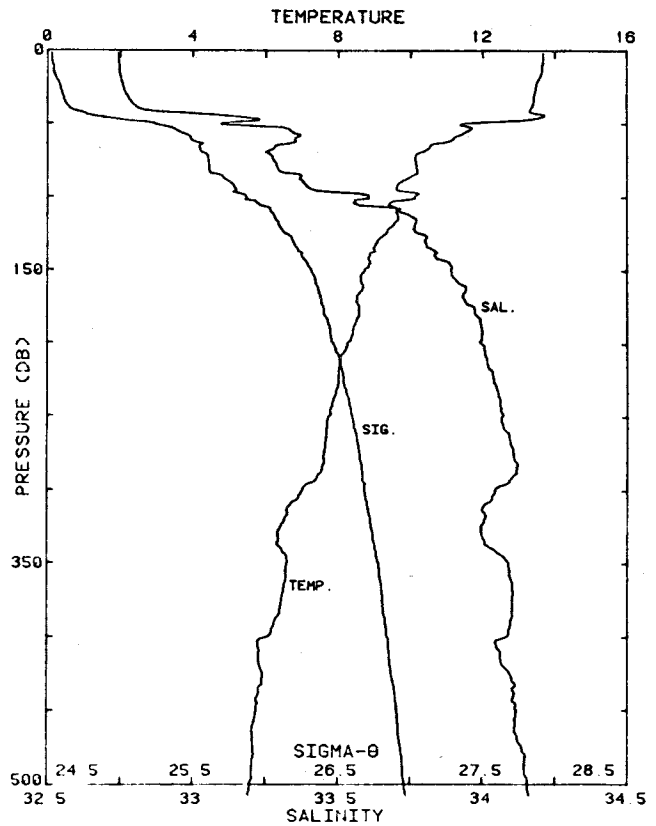
STATION 119 SW 5

STA NO 119 ,SW5 LAT: 38 50.1 N LONG:126 2.0 W
 24 JUL 1982 2203 GHT PROBE 2567 DEPTH 4013M

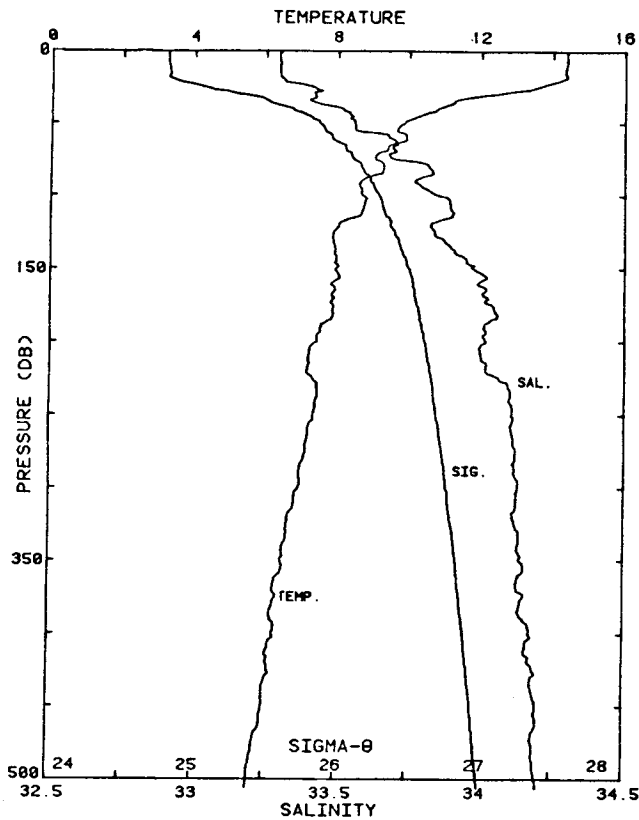
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	14.553	32.719	14.553	24.331	360.4	0.004
10	14.552	32.719	14.551	24.331	360.7	0.036
20	14.553	32.719	14.550	24.332	360.9	0.072
30	14.545	32.722	14.541	24.335	360.8	0.108
40	14.533	32.731	14.527	24.346	360.1	0.144
50	14.503	32.745	14.496	24.363	358.8	0.180
60	12.352	32.897	12.344	24.912	306.5	0.214
70	11.378	32.965	11.369	25.146	284.4	0.243
80	10.784	32.979	10.774	25.263	273.4	0.271
90	10.564	33.033	10.554	25.343	266.0	0.298
100	10.424	33.226	10.413	25.518	249.6	0.324
110	9.749	33.184	9.737	25.600	241.9	0.349
120	9.632	33.418	9.619	25.801	223.0	0.372
130	9.538	33.476	9.524	25.862	217.4	0.394
140	9.648	33.672	9.632	25.997	204.9	0.415
150	9.177	33.715	9.161	26.107	194.4	0.435
175	9.120	33.882	9.101	26.247	181.7	0.482
200	8.567	33.943	8.546	26.382	169.2	0.526
225	8.191	33.981	8.168	26.469	161.2	0.567
250	7.893	34.009	7.869	26.536	155.2	0.606
300	7.430	34.044	7.401	26.631	146.8	0.682
400	6.503	34.106	6.467	26.807	131.0	0.820
500	5.899	34.178	5.856	26.943	119.1	0.945
502	5.896	34.182	5.853	26.946	118.7	0.947

STA NO 120 ,SW6 LAT: 38 41.6 N LONG:125 57.6 W
 24 JUL 1982 2334 GHT PROBE 2567 DEPTH 4138M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	13.673	32.740	13.673	24.530	341.5	0.007
10	13.647	32.745	13.646	24.539	340.9	0.034
20	13.534	32.753	13.531	24.568	338.4	0.068
30	13.418	32.768	13.414	24.603	335.3	0.102
40	13.306	32.816	13.301	24.663	329.8	0.135
50	11.466	33.098	11.460	25.233	275.7	0.166
60	11.155	33.352	11.148	25.486	251.8	0.192
70	10.231	33.250	10.223	25.570	244.0	0.217
80	10.149	33.289	10.140	25.614	240.0	0.241
90	9.712	33.378	9.702	25.757	226.6	0.264
100	10.094	33.604	10.082	25.869	216.2	0.287
110	9.589	33.708	9.577	26.034	200.7	0.308
120	9.472	33.762	9.459	26.096	195.0	0.327
130	9.075	33.796	9.062	26.186	186.5	0.346
140	8.857	33.831	8.842	26.248	180.8	0.365
150	8.719	33.887	8.703	26.314	174.7	0.382
175	8.576	33.967	8.558	26.399	167.1	0.425
200	8.251	33.994	8.231	26.470	160.7	0.466
225	8.014	34.037	7.991	26.539	154.5	0.505
250	7.739	34.064	7.715	26.601	148.9	0.543
300	7.024	34.041	6.996	26.685	141.4	0.616
400	6.044	34.078	6.009	26.845	127.1	0.749
500	5.576	34.154	5.534	26.963	116.7	0.871
507	5.535	34.160	5.492	26.973	115.8	0.879



STATION 120 SW 6



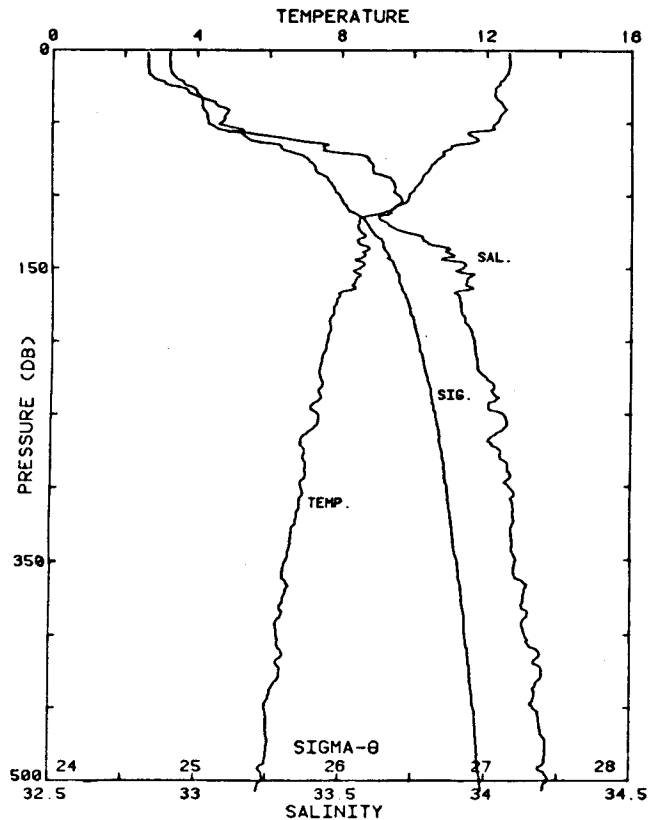
STATION 121 SW 7

STA NO 121 ,SW7 LAT: 38 16.0 N LONG:125 30.5 W
25 JUL 1982 0321 GHT PROBE 2567 DEPTH 4100M

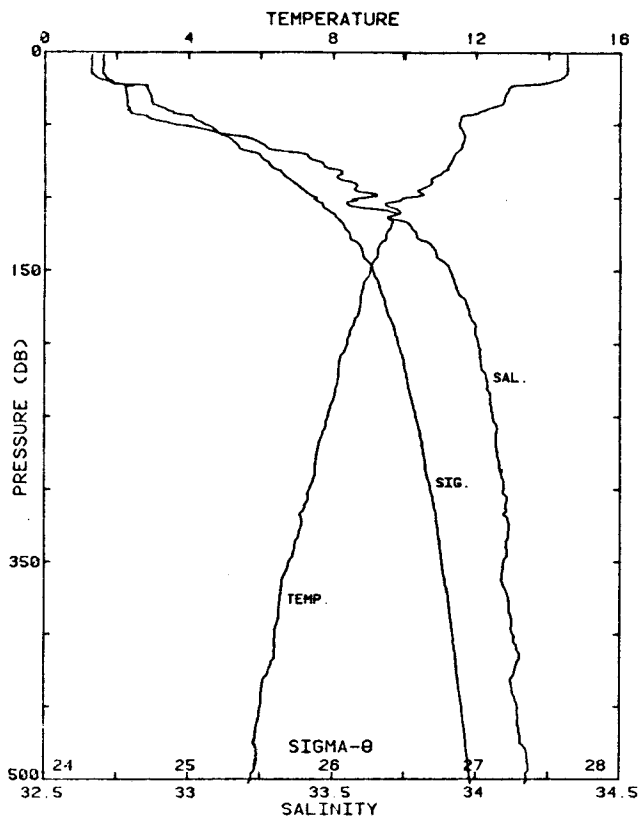
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	14.380	33.303	14.380	24.817	314.1	0.003
10	14.370	33.296	14.369	24.814	314.7	0.031
20	14.216	33.311	14.214	24.858	310.8	0.063
30	12.442	33.419	12.438	25.298	269.1	0.092
40	10.777	33.512	10.772	25.678	233.1	0.117
50	9.859	33.556	9.853	25.870	215.0	0.139
60	9.901	33.680	9.895	25.959	206.8	0.160
70	9.210	33.704	9.203	26.092	194.3	0.180
80	9.297	33.817	9.289	26.166	187.5	0.200
90	8.659	33.768	8.650	26.229	181.6	0.218
100	8.699	33.852	8.689	26.289	176.1	0.236
110	8.694	33.896	8.683	26.324	172.9	0.253
120	8.030	33.825	8.018	26.370	168.6	0.270
130	7.881	33.871	7.869	26.428	163.3	0.287
140	7.914	33.916	7.900	26.458	160.6	0.303
150	7.929	33.970	7.915	26.499	156.9	0.319
175	7.896	34.037	7.879	26.556	152.0	0.358
200	7.436	34.019	7.417	26.609	147.2	0.395
225	7.315	34.061	7.293	26.659	142.8	0.431
250	7.336	34.109	7.312	26.694	139.9	0.466
300	6.933	34.131	6.906	26.768	133.5	0.535
400	6.244	34.173	6.209	26.894	122.6	0.662
500	5.593	34.202	5.551	27.000	113.3	0.780
506	5.562	34.206	5.520	27.006	112.8	0.787

STA NO 122 ,SW8 LAT: 38 32.0 N LONG:125 18.0 W
25 JUL 1982 0554 GHT PROBE 2567 DEPTH 3553M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	12.599	32.830	12.599	24.812	314.6	0.006
10	12.620	32.829	12.613	24.807	315.3	0.031
20	12.451	32.851	12.448	24.857	310.8	0.063
30	12.204	32.970	12.200	24.996	297.8	0.093
40	12.494	33.092	12.489	25.036	294.3	0.123
50	12.245	33.079	12.238	25.073	291.0	0.152
60	11.689	33.287	11.681	25.339	265.9	0.180
70	10.775	33.461	10.766	25.639	237.5	0.205
80	10.455	33.606	10.446	25.808	221.6	0.228
90	10.190	33.672	10.180	25.905	212.6	0.249
100	9.840	33.696	9.829	25.983	205.3	0.270
110	9.317	33.666	9.335	26.041	199.9	0.291
120	8.447	33.660	8.434	26.178	186.9	0.310
130	8.441	33.781	8.427	26.274	178.1	0.328
140	8.650	33.877	8.635	26.317	174.2	0.346
150	8.500	33.918	8.485	26.372	169.1	0.363
175	7.847	33.913	7.830	26.466	160.5	0.404
200	7.613	33.959	7.593	26.536	154.1	0.444
225	7.425	33.998	7.403	26.595	149.0	0.481
250	7.368	34.059	7.344	26.651	144.1	0.518
300	6.896	34.081	6.869	26.734	136.7	0.588
400	6.261	34.136	6.226	26.863	125.5	0.719
500	5.895	34.219	5.852	26.976	115.9	0.840
507	5.738	34.200	5.695	26.981	115.4	0.848



STATION 122 SW 8



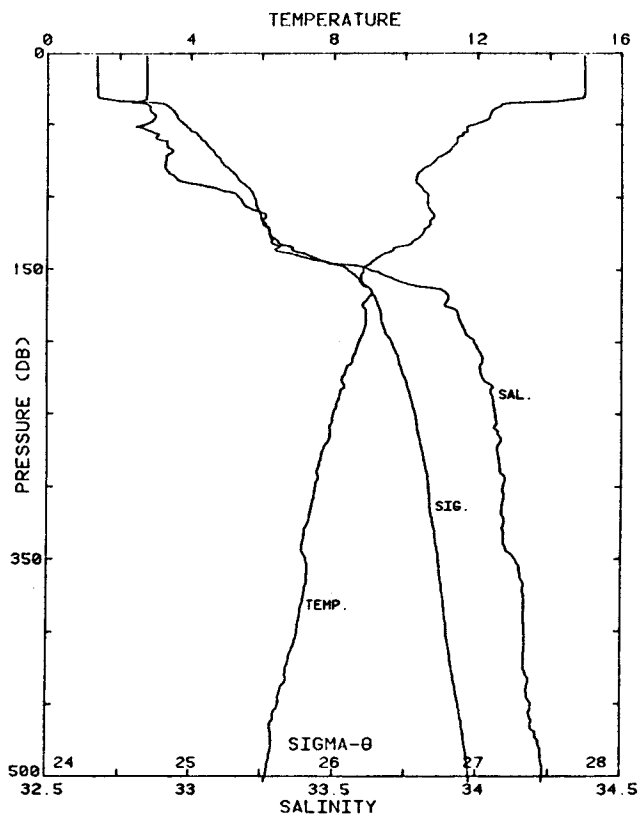
STATION 123 SW8A

STA NO 123 ,SW8A LAT: 38 36.0 N LONG:125 16.4 W
25 JUL 1982 0713 GMT PROBE 2567 DEPTH 3484M

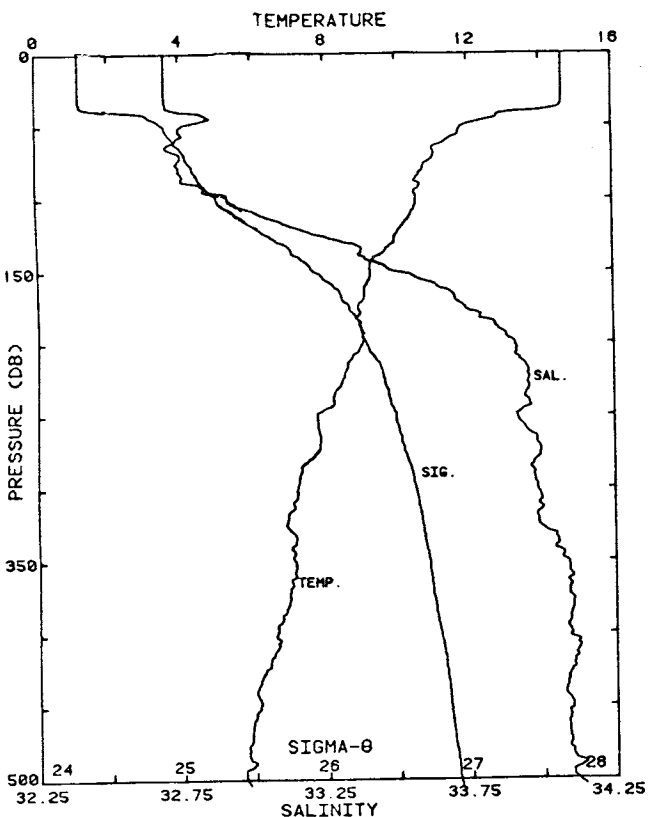
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	14.526	32.704	14.526	24.325	361.0	0.007
10	14.532	32.703	14.530	24.324	361.4	0.036
20	14.079	32.736	14.076	24.444	350.2	0.072
30	12.797	32.786	12.793	24.740	322.2	0.105
40	12.214	32.789	12.209	24.855	311.5	0.137
50	11.499	32.956	11.493	25.117	286.7	0.167
60	11.655	33.220	11.647	25.293	270.3	0.195
70	11.406	33.394	11.397	25.474	253.3	0.221
80	11.180	33.484	11.170	25.585	242.9	0.246
90	10.753	33.575	10.742	25.732	229.1	0.269
100	10.009	33.607	9.998	25.886	214.6	0.292
110	9.873	33.708	9.860	25.987	205.2	0.313
120	9.622	33.774	9.608	26.081	196.5	0.333
130	9.387	33.825	9.373	26.159	189.2	0.352
140	9.240	33.862	9.225	26.212	184.4	0.371
150	9.039	33.907	9.023	26.279	178.1	0.389
175	8.760	33.970	8.742	26.373	169.7	0.432
200	8.411	34.007	8.391	26.456	162.1	0.473
225	8.137	34.038	8.115	26.522	156.2	0.513
250	7.864	34.058	7.839	26.579	151.2	0.552
300	7.348	34.096	7.319	26.683	141.9	0.625
400	6.413	34.129	6.378	26.838	128.1	0.759
500	5.745	34.177	5.703	26.961	117.1	0.882
503	5.691	34.171	5.648	26.963	116.9	0.885

STA NO 124 ,SW9 LAT: 38 43.0 N LONG:125 8.0 W
25 JUL 1982 0909 GMT PROBE 2567 DEPTH 3416M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	14.947	32.843	14.947	24.342	359.4	0.007
10	14.954	32.843	14.952	24.341	359.7	0.036
20	14.950	32.843	14.947	24.342	360.0	0.072
30	14.941	32.842	14.937	24.343	360.1	0.108
40	12.397	32.852	12.392	24.868	310.2	0.141
50	11.952	32.843	11.946	24.946	303.0	0.172
60	11.424	32.874	11.417	25.067	291.7	0.202
70	11.125	32.928	11.117	25.163	282.7	0.230
80	10.479	32.908	10.470	25.261	273.6	0.258
90	10.287	32.978	10.277	25.348	265.5	0.285
100	10.600	33.162	10.588	25.438	257.3	0.311
110	10.689	33.225	10.676	25.472	254.3	0.337
120	10.622	33.259	10.608	25.510	250.9	0.362
130	10.204	33.281	10.189	25.601	242.3	0.387
140	9.291	33.369	9.276	25.819	221.6	0.410
150	8.796	33.621	8.780	26.094	195.6	0.431
175	8.777	33.882	8.759	26.301	176.5	0.477
200	8.694	33.983	8.673	26.394	168.1	0.520
225	8.226	34.013	8.203	26.489	159.4	0.561
250	7.983	34.057	7.958	26.560	153.0	0.600
300	7.487	34.086	7.458	26.656	144.5	0.674
400	6.990	34.165	6.953	26.789	133.2	0.813
500	6.150	34.231	6.106	26.953	118.4	0.939
504	6.113	34.228	6.068	26.955	118.2	0.943



STATION 124 SW9



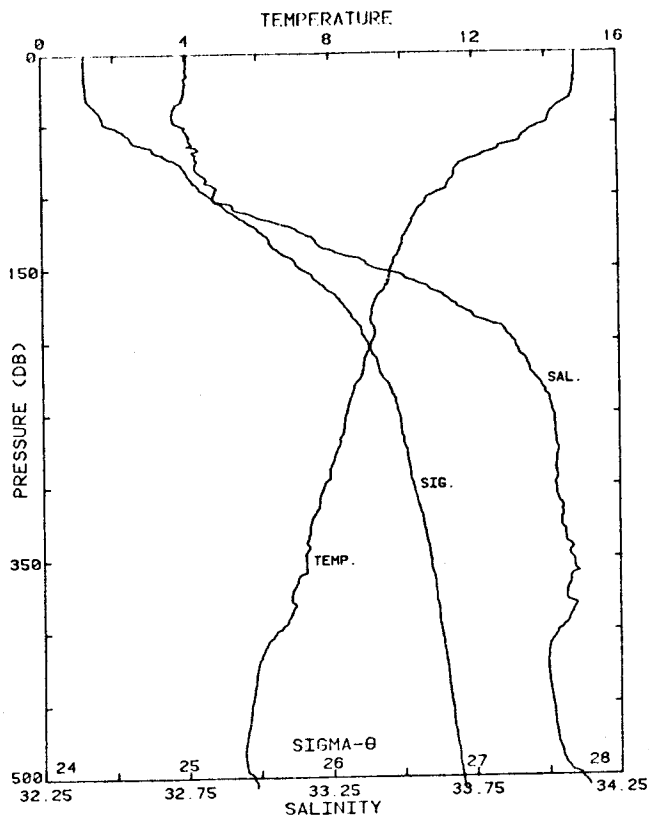
STATION 125 SW9A

STA NO 125 ,SW9A LAT: 38 49.5 N LONG:125 4.0 W
25 JUL 1982 1026 GMT PROBE 2567 DEPTH 3367M

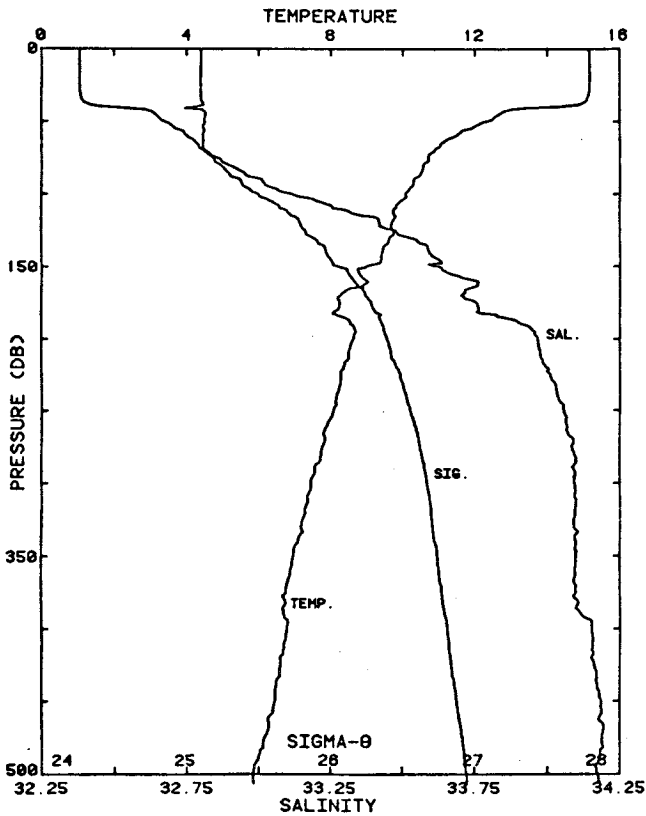
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	14.627	32.701	14.627	24.301	363.2	0.004
10	14.632	32.700	14.631	24.300	363.6	0.036
20	14.633	32.700	14.630	24.300	364.0	0.073
30	14.628	32.701	14.623	24.302	364.0	0.109
40	14.011	32.752	14.006	24.471	348.2	0.145
50	11.899	32.760	11.892	24.891	308.2	0.177
60	11.443	32.737	11.436	24.958	302.1	0.208
70	11.066	32.753	11.057	25.038	294.7	0.238
80	10.742	32.749	10.733	25.092	289.7	0.267
90	10.679	32.821	10.669	25.159	283.6	0.295
100	10.561	32.914	10.550	25.252	274.9	0.323
110	10.409	33.016	10.396	25.357	265.1	0.350
120	10.099	33.154	10.085	25.518	250.0	0.376
130	9.927	33.318	9.912	25.675	235.3	0.401
140	9.355	33.389	9.339	25.824	221.2	0.423
150	9.243	33.485	9.227	25.917	212.5	0.445
175	8.909	33.735	8.890	26.166	189.3	0.495
200	9.024	33.907	9.003	26.283	178.8	0.541
225	8.472	33.955	8.449	26.407	167.3	0.584
250	7.727	33.913	7.702	26.485	160.0	0.625
300	7.165	33.982	7.137	26.619	147.7	0.702
400	6.600	34.097	6.564	26.788	133.0	0.842
500	5.731	34.119	5.688	26.917	121.3	0.969
504	5.800	34.140	5.757	26.925	120.7	0.974

STA NO 126 ,SW10 LAT: 38 55.0 N LONG:125 0.0 W
25 JUL 1982 1145 GMT PROBE 2567 DEPTH 3466M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	14.830	32.756	14.830	24.300	363.3	0.004
10	14.838	32.756	14.836	24.299	363.8	0.036
20	14.799	32.749	14.796	24.302	363.7	0.073
30	14.739	32.743	14.734	24.311	363.2	0.109
40	14.256	32.706	14.250	24.384	356.5	0.145
50	14.013	32.723	14.006	24.448	350.6	0.181
60	13.321	32.759	13.313	24.616	334.8	0.215
70	12.454	32.773	12.445	24.797	317.7	0.247
80	11.538	32.780	11.529	24.974	301.1	0.278
90	11.312	32.815	11.301	25.042	294.7	0.308
100	10.786	32.844	10.774	25.158	283.8	0.337
110	10.413	32.917	10.400	25.280	272.4	0.365
120	10.211	33.085	10.197	25.445	256.9	0.391
130	9.982	33.193	9.967	25.568	245.4	0.416
140	9.854	33.286	9.838	25.662	236.6	0.440
150	9.660	33.400	9.643	25.783	225.4	0.463
175	9.169	33.685	9.150	26.085	197.1	0.516
200	9.129	33.883	9.108	26.247	182.2	0.563
225	8.814	33.953	8.790	26.352	172.7	0.607
250	8.408	34.017	8.383	26.465	162.2	0.649
300	7.787	34.024	7.757	26.564	153.4	0.728
400	6.428	34.032	6.392	26.759	135.5	0.871
500	5.796	34.112	5.754	26.903	122.6	1.000
507	5.887	34.139	5.843	26.914	121.8	1.008



STATION 126 SW 10



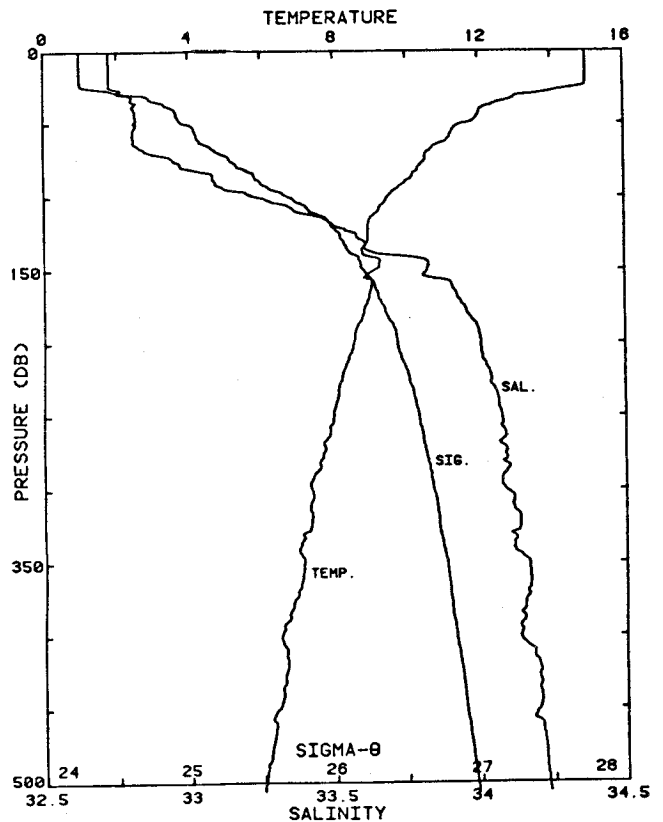
STATION 127 SW 11

STA NO 127 ,SW11 LAT: 38 43.0 N LONG:124 50.1 W
25 JUL 1982 1347 GMT PROBE 2567 DEPTH 3682M

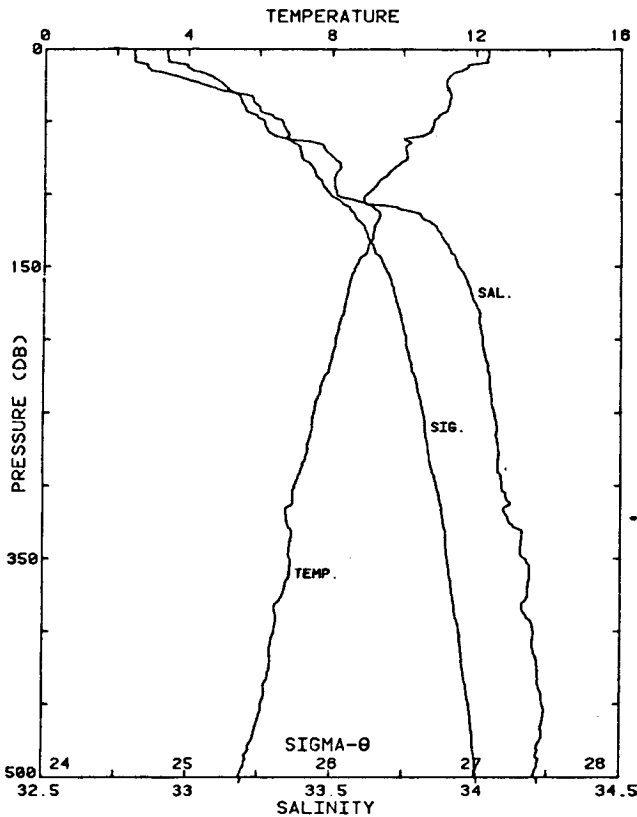
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	15.163	32.799	15.163	24.262	367.0	0.004
10	15.173	32.799	15.171	24.260	367.5	0.037
20	15.176	32.799	15.173	24.259	367.8	0.074
30	15.157	32.799	15.153	24.264	367.7	0.110
40	14.375	32.778	14.369	24.415	353.5	0.147
50	12.356	32.813	12.350	24.846	312.6	0.179
60	11.480	32.808	11.473	25.006	297.5	0.209
70	10.879	32.818	10.870	25.121	286.7	0.239
80	10.565	32.896	10.556	25.237	275.9	0.267
90	10.312	33.009	10.302	25.368	263.6	0.294
100	10.060	33.113	10.048	25.493	251.9	0.320
110	9.803	33.259	9.790	25.649	237.2	0.344
120	9.691	33.420	9.678	25.793	223.8	0.367
130	9.630	33.517	9.615	25.879	215.8	0.389
140	9.420	33.590	9.405	25.970	207.3	0.410
150	8.995	33.603	8.979	26.048	200.0	0.431
175	8.243	33.748	8.225	26.279	178.4	0.478
200	8.623	33.965	8.602	26.390	168.4	0.521
225	8.265	34.008	8.242	26.480	160.3	0.562
250	8.059	34.056	8.034	26.548	154.2	0.601
300	7.450	34.093	7.421	26.667	143.5	0.675
400	6.770	34.154	6.733	26.810	131.1	0.813
500	5.836	34.175	5.793	26.948	118.4	0.938
506	5.851	34.184	5.808	26.953	118.1	0.945

STA NO 128 ,SW12 LAT: 38 32.0 N LONG:124 43.0 W
25 JUL 1982 1537 GMT PROBE 2567 DEPTH 3759M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	14.974	32.723	14.974	24.244	368.7	0.004
10	14.972	32.723	14.970	24.245	368.9	0.037
20	14.975	32.723	14.972	24.244	369.2	0.074
30	13.572	32.754	13.568	24.562	339.2	0.110
40	12.069	32.808	12.064	24.896	307.5	0.142
50	11.727	32.807	11.721	24.960	301.7	0.172
60	11.180	32.805	11.173	25.058	292.6	0.202
70	10.561	32.861	10.553	25.210	278.2	0.230
80	10.324	32.974	10.315	25.338	266.2	0.257
90	9.954	33.093	9.944	25.494	251.5	0.283
100	9.463	33.231	9.453	25.683	233.8	0.308
110	9.199	33.363	9.188	25.828	220.1	0.330
120	8.922	33.499	8.910	25.979	206.0	0.351
130	8.916	33.598	8.903	26.057	198.8	0.371
140	8.837	33.708	8.822	26.155	189.6	0.391
150	9.097	33.818	9.081	26.200	185.6	0.410
175	8.839	33.947	8.820	26.343	172.5	0.454
200	8.525	34.005	8.505	26.437	164.0	0.496
225	8.193	34.040	8.170	26.515	156.9	0.536
250	7.950	34.075	7.925	26.579	151.2	0.575
300	7.341	34.086	7.312	26.677	142.4	0.648
400	6.491	34.135	6.455	26.832	128.7	0.783
500	6.042	34.230	5.999	26.966	117.0	0.906
506	5.991	34.233	5.947	26.975	116.2	0.913



STATION 128 SW 12



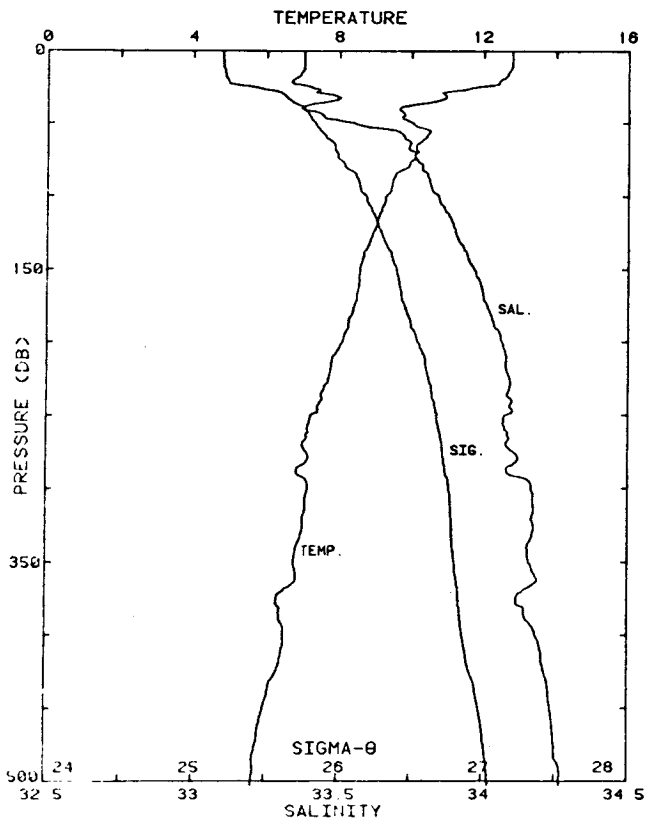
STATION 129 SW 13

STA NO 129 ,SW13 LAT: 38 22.0 N LONG:124 36.0 W
25 JUL 1982 1728 GHT PROBE 2567 DEPTH 3686M

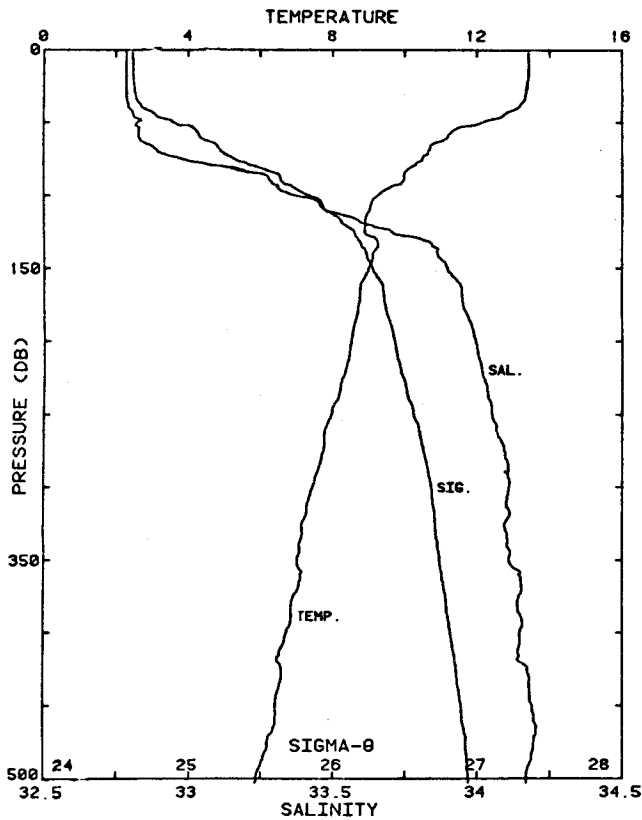
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.306	32.811	12.306	24.853	310.7	0.003
10	12.045	32.833	12.044	24.920	304.5	0.031
20	11.254	32.979	11.251	25.179	280.1	0.060
30	11.263	33.144	11.259	25.305	268.3	0.088
40	11.226	33.248	11.221	25.393	260.2	0.114
50	10.809	33.328	10.803	25.530	247.4	0.139
60	10.496	33.349	10.489	25.600	240.9	0.164
70	10.032	33.476	10.024	25.779	224.1	0.187
80	9.843	33.528	9.835	25.851	217.4	0.209
90	9.348	33.508	9.338	25.917	211.3	0.231
100	8.954	33.513	8.943	25.984	205.1	0.251
110	9.154	33.729	9.142	26.121	192.3	0.271
120	9.215	33.844	9.202	26.201	184.9	0.290
130	9.118	33.881	9.104	26.246	180.9	0.308
140	8.954	33.912	8.939	26.296	176.3	0.326
150	8.660	33.937	8.645	26.362	170.1	0.344
175	8.368	33.999	8.351	26.456	161.6	0.385
200	8.103	34.024	8.082	26.516	156.3	0.425
225	7.817	34.049	7.795	26.578	150.8	0.463
250	7.508	34.065	7.484	26.635	145.6	0.500
300	6.978	34.090	6.950	26.730	137.2	0.571
400	6.445	34.203	6.409	26.891	123.1	0.701
500	5.509	34.210	5.467	27.016	111.7	0.819
504	5.514	34.219	5.472	27.022	111.1	0.823

STA NO 130 ,SW14 LAT: 38 12.0 N LONG:124 29.0 W
25 JUL 1982 1931 GHT PROBE 2567 DEPTH 3517M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.788	33.379	12.788	25.199	277.7	0.003
10	12.776	33.378	12.775	25.201	277.8	0.028
20	12.462	33.341	12.459	25.234	274.9	0.055
30	10.907	33.454	10.903	25.609	239.4	0.081
40	9.654	33.368	9.650	25.757	225.5	0.105
50	10.043	33.547	10.038	25.832	218.6	0.127
60	10.401	33.726	10.394	25.910	211.5	0.148
70	10.188	33.765	10.180	25.978	205.3	0.169
80	9.917	33.788	9.908	26.041	199.4	0.189
90	9.476	33.812	9.466	26.134	190.8	0.209
100	9.292	33.844	9.281	26.188	185.8	0.228
110	9.170	33.867	9.159	26.226	182.4	0.246
120	9.027	33.895	9.014	26.271	178.3	0.264
130	8.857	33.912	8.843	26.312	174.6	0.282
140	8.676	33.942	8.662	26.363	169.9	0.299
150	8.581	33.967	8.565	26.398	166.7	0.316
175	8.436	34.013	8.418	26.457	161.6	0.357
200	8.120	34.063	8.100	26.544	153.7	0.396
225	7.737	34.091	7.715	26.622	146.5	0.434
250	7.244	34.072	7.220	26.679	141.4	0.470
300	7.161	34.167	7.132	26.766	133.9	0.539
400	6.518	34.184	6.482	26.867	125.4	0.669
500	5.650	34.269	5.607	27.046	109.1	0.784
503	5.641	34.269	5.599	27.046	109.0	0.788



STATION 130 SW 14



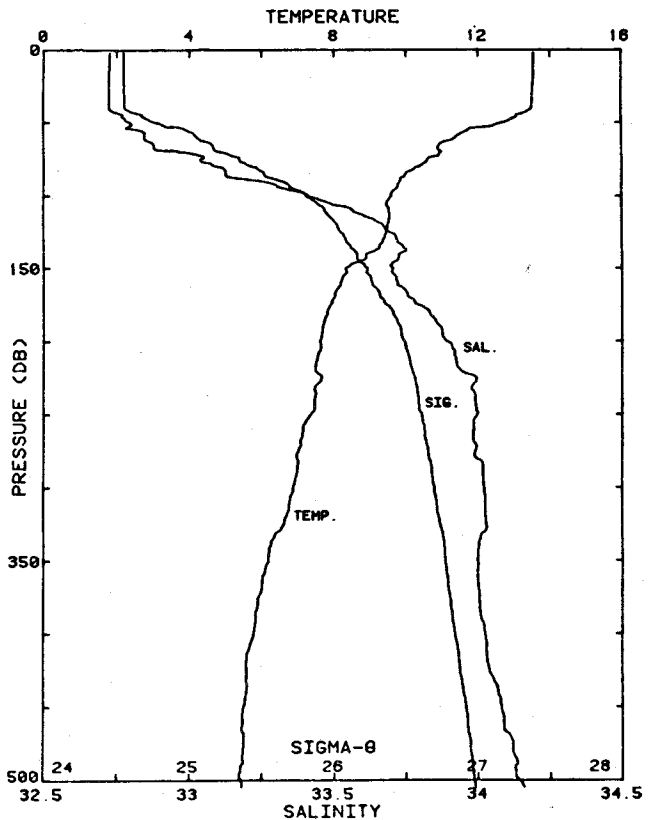
STATION 131 SW 15

STA NO 131 ,SW15 LAT: 38 28.0 N LONG:124 25.0 W
25 JUL 1982 2142 GMT PROBE 2567 DEPTH 3594M

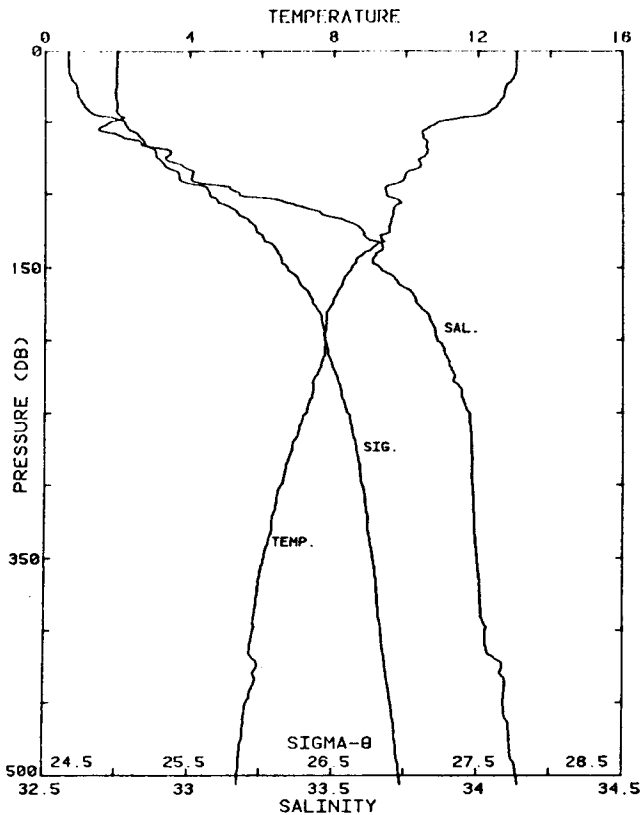
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	13.425	32.785	13.425	24.614	333.5	0.007
10	13.420	32.785	13.419	24.615	333.6	0.033
20	13.408	32.784	13.405	24.618	333.6	0.067
30	13.348	32.786	13.344	24.631	332.6	0.100
40	13.118	32.794	13.113	24.684	327.9	0.133
50	12.165	32.823	12.159	24.891	308.4	0.165
60	11.161	32.828	11.154	25.079	290.5	0.195
70	10.625	32.893	10.617	25.224	276.9	0.223
80	10.190	33.106	10.181	25.464	254.2	0.250
90	9.938	33.284	9.928	25.645	237.2	0.274
100	9.222	33.368	9.211	25.829	219.9	0.297
110	9.007	33.466	8.995	25.939	209.5	0.318
120	8.900	33.619	8.888	26.076	196.8	0.338
130	9.195	33.801	9.181	26.171	188.0	0.357
140	9.100	33.863	9.085	26.235	182.2	0.376
150	8.992	33.897	8.976	26.279	178.1	0.394
175	8.718	33.952	8.700	26.365	170.4	0.437
200	8.509	33.994	8.489	26.431	164.6	0.479
225	8.268	34.021	8.245	26.489	159.4	0.520
250	7.960	34.050	7.935	26.558	153.2	0.559
300	7.422	34.109	7.393	26.683	141.9	0.632
400	6.714	34.145	6.678	26.810	130.9	0.769
500	5.875	34.170	5.832	26.939	119.3	0.894
503	5.848	34.169	5.805	26.942	119.1	0.897

STA NO 132 ,AR9 LAT: 38 46.5 N LONG:124 20.0 W
26 JUL 1982 0017 GMT PROBE 2567 DEPTH 3288M
1 MIN. GAP 369-370DB

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	13.544	32.724	13.544	24.543	340.3	0.007
10	13.535	32.723	13.534	24.545	340.3	0.034
20	13.530	32.723	13.528	24.546	340.5	0.068
30	13.508	32.724	13.504	24.551	340.2	0.102
40	13.482	32.724	13.477	24.557	340.0	0.136
50	12.730	32.792	12.723	24.758	321.0	0.169
60	11.359	32.844	11.352	25.056	292.8	0.200
70	10.981	32.940	10.972	25.198	279.4	0.228
80	10.350	33.095	10.341	25.429	257.6	0.255
90	9.820	33.242	9.810	25.632	238.4	0.280
100	9.561	33.410	9.550	25.806	222.1	0.303
110	9.514	33.564	9.502	25.934	210.1	0.324
120	9.473	33.669	9.460	26.023	201.9	0.345
130	9.356	33.716	9.342	26.079	196.8	0.365
140	8.887	33.724	8.872	26.160	189.2	0.384
150	8.319	33.703	8.304	26.231	182.4	0.403
175	7.902	33.792	7.885	26.363	170.2	0.447
200	7.611	33.890	7.591	26.483	159.2	0.488
225	7.651	33.993	7.629	26.558	152.6	0.527
250	7.345	33.995	7.322	26.604	148.5	0.565
300	6.854	34.018	6.826	26.690	140.8	0.637
400	5.770	34.022	5.736	26.835	127.7	0.771
500	5.426	34.144	5.384	26.973	115.6	0.892
505	5.458	34.160	5.416	26.983	114.8	0.898



STATION 132 AR 9



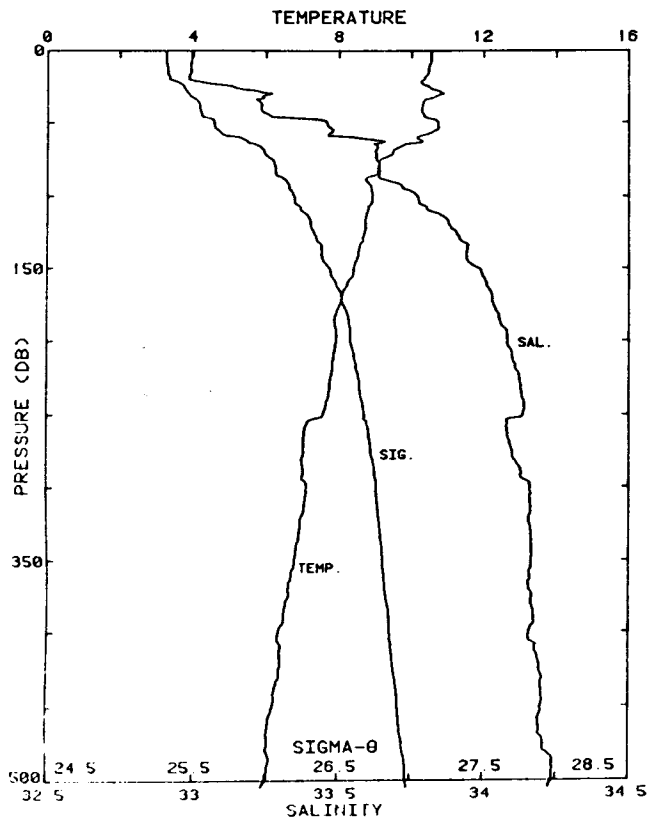
STATION 133 IR 8

STA NO 133 IR8 LAT: 39 3.0 N LONG:124 17.0 W
 26 JUL 1982 0244 GMT PROBE 2567 DEPTH 2316M
 3 MIN. GAP 365-366DB

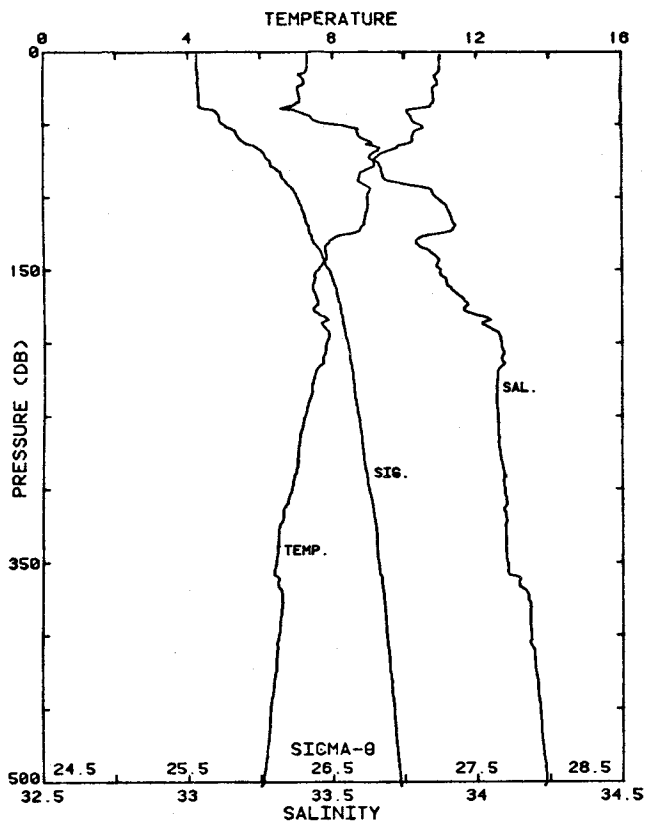
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.057	32.747	13.057	24.659	329.2	0.003
10	13.055	32.746	13.054	24.658	329.5	0.033
20	12.957	32.745	12.954	24.677	328.0	0.064
30	12.715	32.741	12.711	24.721	324.0	0.098
40	12.486	32.747	12.481	24.770	319.6	0.131
50	10.894	32.726	10.888	25.047	293.3	0.162
60	10.469	32.763	10.462	25.150	283.7	0.191
70	10.589	32.932	10.581	25.261	273.4	0.218
80	10.404	32.973	10.395	25.324	267.5	0.246
90	9.935	33.004	9.924	25.428	257.9	0.272
100	9.456	33.171	9.446	25.637	238.1	0.296
110	9.653	33.402	9.640	25.785	224.3	0.319
120	9.561	33.563	9.547	25.926	211.2	0.341
130	9.302	33.613	9.288	26.008	203.5	0.362
140	8.810	33.644	8.795	26.110	193.9	0.382
150	8.479	33.657	8.463	26.171	188.2	0.401
175	7.957	33.786	7.940	26.350	171.5	0.445
200	7.741	33.859	7.721	26.440	163.3	0.487
225	7.515	33.920	7.493	26.521	156.0	0.527
250	7.257	33.969	7.233	26.596	149.2	0.565
300	6.568	33.982	6.541	26.701	139.6	0.637
400	5.793	34.028	5.759	26.837	127.5	0.770
500	5.396	34.138	5.355	26.972	115.7	0.892
506	5.388	34.143	5.347	26.978	115.2	0.898

STA NO 134 AR7 LAT: 38 50.2 N LONG:124 8.1 W
 26 JUL 1982 0441 GMT PROBE 2567 DEPTH 2305M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.545	32.994	10.545	25.315	266.7	0.003
10	10.491	32.991	10.489	25.322	266.2	0.027
20	10.342	32.985	10.340	25.343	264.5	0.053
30	10.878	33.268	10.874	25.470	252.6	0.079
40	10.272	33.232	10.267	25.547	245.5	0.104
50	10.726	33.456	10.720	25.643	236.6	0.128
60	10.145	33.545	10.138	25.814	220.6	0.151
70	9.478	33.624	9.470	25.986	204.4	0.172
80	9.081	33.640	9.072	26.063	197.2	0.192
90	8.760	33.673	8.751	26.139	190.1	0.212
100	8.926	33.771	8.915	26.190	185.5	0.231
110	8.796	33.807	8.784	26.239	181.1	0.249
120	8.733	33.881	8.720	26.306	174.8	0.267
130	8.664	33.918	8.650	26.347	171.2	0.284
140	8.541	33.940	8.527	26.383	167.9	0.301
150	8.408	33.980	8.392	26.435	163.2	0.318
175	8.037	34.034	8.019	26.533	154.2	0.357
200	7.943	34.081	7.923	26.584	149.8	0.395
225	7.785	34.122	7.763	26.640	144.9	0.432
250	7.581	34.134	7.557	26.680	141.5	0.468
300	7.137	34.160	7.109	26.763	134.1	0.536
400	6.381	34.156	6.346	26.863	125.6	0.666
500	6.021	34.236	5.977	26.974	116.3	0.787
505	5.903	34.226	5.859	26.980	115.6	0.793



STATION 134 AR 7



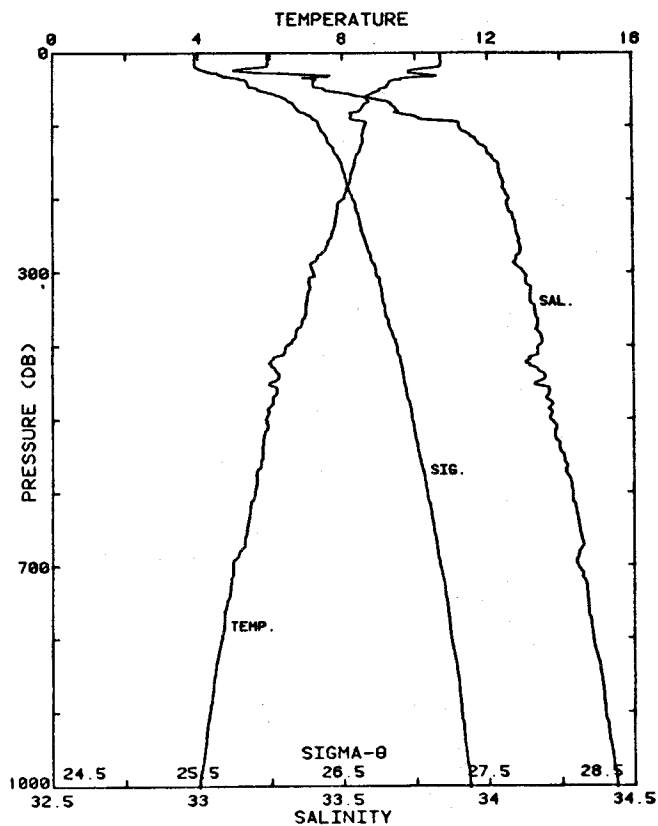
STATION 135 NOR 8

STA NO 135 ,NORB LAT: 38 34.5 N LONG:124 3.0 W
26 JUL 1982 0646 GMT PROBE 2567 DEPTH 2364M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.990	33.413	10.989	25.562	243.2	0.005
10	10.987	33.413	10.986	25.563	243.4	0.024
20	10.904	33.402	10.901	25.569	243.0	0.049
30	10.788	33.384	10.785	25.576	242.6	0.073
40	10.037	33.345	10.032	25.676	233.2	0.097
50	10.365	33.499	10.360	25.740	227.4	0.120
60	10.197	33.605	10.191	25.851	217.1	0.142
70	9.334	33.636	9.326	26.019	201.3	0.163
80	9.002	33.669	8.994	26.098	193.9	0.183
90	8.777	33.726	8.768	26.178	186.5	0.202
100	8.947	33.856	8.937	26.253	179.6	0.220
110	8.928	33.901	8.916	26.292	176.1	0.238
120	8.791	33.923	8.778	26.330	172.6	0.255
130	7.897	33.787	7.884	26.360	169.7	0.272
140	7.819	33.854	7.806	26.424	163.9	0.289
150	7.601	33.873	7.586	26.470	159.5	0.305
175	7.500	33.960	7.483	26.553	152.1	0.344
200	7.818	34.083	7.798	26.605	147.8	0.382
225	7.461	34.068	7.439	26.644	144.3	0.418
250	7.226	34.071	7.202	26.680	141.2	0.454
300	6.850	34.095	6.823	26.751	135.0	0.523
400	6.490	34.184	6.454	26.870	125.1	0.652
500	6.074	34.237	6.031	26.967	116.9	0.773
503	6.008	34.232	5.964	26.972	116.5	0.777

STA NO 136 ,COC10 LAT: 38 20.7 N LONG:123 54.4 W
26 JUL 1982 0845 GMT PROBE 2567 DEPTH 2431M
55.7 KM FROM SHORE

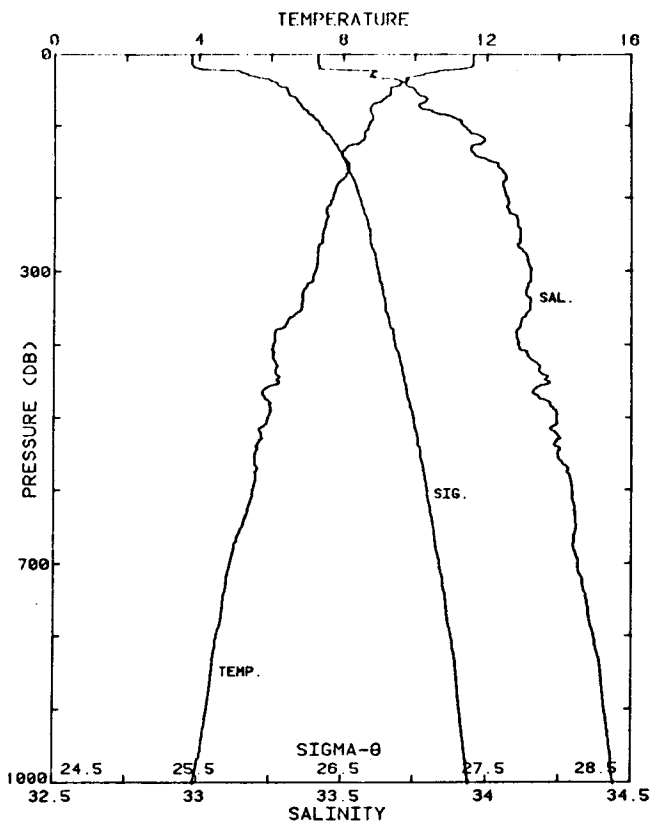
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.698	33.240	10.698	25.480	251.1	0.003
10	10.704	33.242	10.703	25.480	251.2	0.025
20	10.607	33.226	10.604	25.485	250.9	0.050
30	10.205	33.341	10.201	25.644	236.1	0.075
40	9.294	33.398	9.290	25.839	217.6	0.097
50	9.023	33.435	9.018	25.911	211.0	0.119
60	8.644	33.554	8.638	26.063	196.7	0.139
70	8.598	33.665	8.591	26.158	188.0	0.159
80	8.463	33.690	8.455	26.198	184.3	0.177
90	8.195	33.762	8.186	26.295	175.2	0.195
100	8.614	33.899	8.603	26.339	171.3	0.212
110	8.563	33.928	8.551	26.369	168.6	0.229
120	8.549	33.959	8.536	26.396	166.3	0.246
130	8.489	33.991	8.476	26.431	163.2	0.263
140	8.386	34.003	8.372	26.456	161.0	0.279
150	8.324	34.028	8.309	26.485	158.4	0.295
175	8.193	34.048	8.175	26.521	155.4	0.334
200	8.016	34.071	7.996	26.565	151.6	0.373
225	7.803	34.084	7.781	26.608	147.9	0.410
250	7.679	34.100	7.655	26.639	145.4	0.447
300	7.179	34.120	7.151	26.726	137.7	0.517
400	6.429	34.170	6.393	26.868	125.3	0.649
500	5.854	34.209	5.811	26.973	116.2	0.770
600	5.552	34.289	5.502	27.074	107.6	0.882
800	4.636	34.358	4.573	27.236	93.2	1.081
1000	4.024	34.439	3.948	27.367	81.6	1.255
1003	4.019	34.439	3.943	27.368	81.6	1.257



STATION 136 COC 10

STA NO 137 ,COC9 LAT: 38 24.0 N LONG:123 48.2 W
 26 JUL 1982 1016 GMT PROBE 2567 DEPTH 1715M
 44.9 KM FROM SHORE 5 MIN. GAP 251-252UB

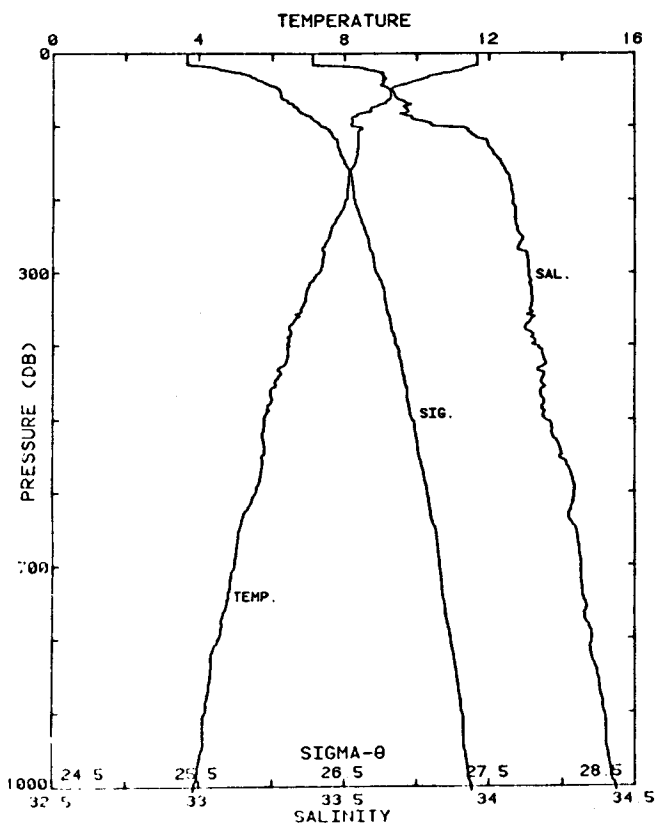
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
2	11.613	33.410	11.613	25.447	254.2	0.005
10	11.614	33.411	11.613	25.448	254.3	0.025
20	11.430	33.415	11.428	25.485	251.0	0.051
30	10.223	33.596	10.220	25.839	217.5	0.074
40	9.672	33.715	9.668	26.025	200.1	0.095
50	9.312	33.745	9.307	26.107	192.4	0.114
60	9.270	33.767	9.264	26.131	190.4	0.133
70	8.903	33.773	8.895	26.195	184.5	0.152
80	8.746	33.806	8.738	26.245	179.9	0.170
90	8.823	33.883	8.814	26.293	175.5	0.188
100	8.702	33.916	8.691	26.338	171.4	0.205
110	8.580	33.941	8.569	26.377	167.9	0.222
120	8.548	33.992	8.535	26.422	163.8	0.239
130	8.071	33.944	8.058	26.457	160.6	0.255
140	7.956	33.957	7.942	26.484	158.2	0.271
150	8.087	34.013	8.072	26.509	156.1	0.287
175	7.966	34.066	7.948	26.569	150.8	0.325
200	7.694	34.071	7.675	26.613	147.0	0.362
225	7.567	34.102	7.545	26.656	143.3	0.399
250	7.420	34.114	7.396	26.687	140.7	0.434
300	7.226	34.151	7.198	26.744	136.1	0.504
400	6.066	34.107	6.031	26.865	125.2	0.634
500	5.910	34.241	5.867	26.991	114.5	0.754
600	5.487	34.296	5.437	27.087	106.3	0.864
800	4.529	34.370	4.467	27.257	91.0	1.062
1000	3.896	34.441	3.822	27.382	79.9	1.233
1003	3.897	34.441	3.821	27.382	79.9	1.235



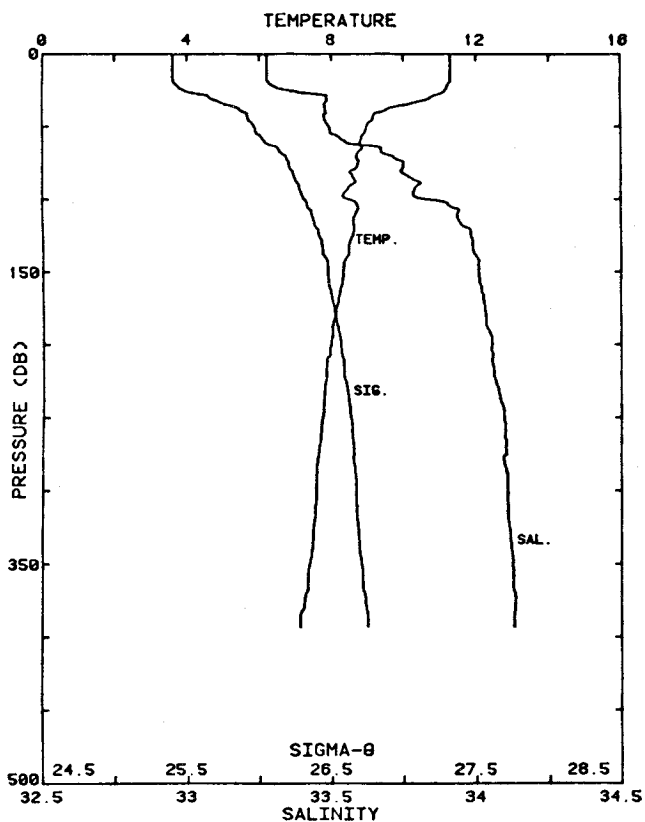
STATION 137 COC 9

STA NO 138 ,COC8 LAT: 38 27.1 N LONG:123 44.5 W
 26 JUL 1982 1139 GMT PROBE 2567 DEPTH 1198M
 37.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.668	33.390	11.668	25.421	256.6	0.003
10	11.669	33.389	11.668	25.420	256.9	0.026
20	11.346	33.554	11.344	25.608	239.3	0.051
30	10.419	33.634	10.416	25.835	217.9	0.074
40	9.777	33.634	9.773	25.944	207.8	0.095
50	9.272	33.660	9.267	26.047	198.1	0.115
60	9.261	33.677	9.254	26.062	196.9	0.135
70	8.981	33.727	8.974	26.146	189.1	0.155
80	8.682	33.720	8.674	26.188	185.3	0.173
90	8.187	33.732	8.178	26.273	177.3	0.191
100	8.192	33.812	8.182	26.335	171.6	0.209
110	8.360	33.937	8.349	26.408	165.0	0.225
120	8.367	33.992	8.355	26.450	161.2	0.242
130	8.365	34.000	8.352	26.456	160.7	0.258
140	8.337	34.017	8.323	26.474	159.2	0.274
150	8.287	34.040	8.272	26.500	157.0	0.290
175	8.099	34.071	8.082	26.553	152.4	0.328
200	8.044	34.082	8.024	26.570	151.2	0.366
225	7.793	34.087	7.771	26.612	147.6	0.404
250	7.586	34.112	7.562	26.661	143.2	0.440
300	7.302	34.135	7.274	26.720	138.3	0.510
400	6.444	34.155	6.408	26.854	126.6	0.642
500	5.792	34.193	5.749	26.968	116.6	0.763
600	5.566	34.292	5.515	27.075	107.6	0.875
800	4.545	34.352	4.482	27.241	92.5	1.075
1000	3.860	34.435	3.784	27.381	79.9	1.247
1006	3.838	34.438	3.764	27.385	79.5	1.252



STATION 138 COC 8



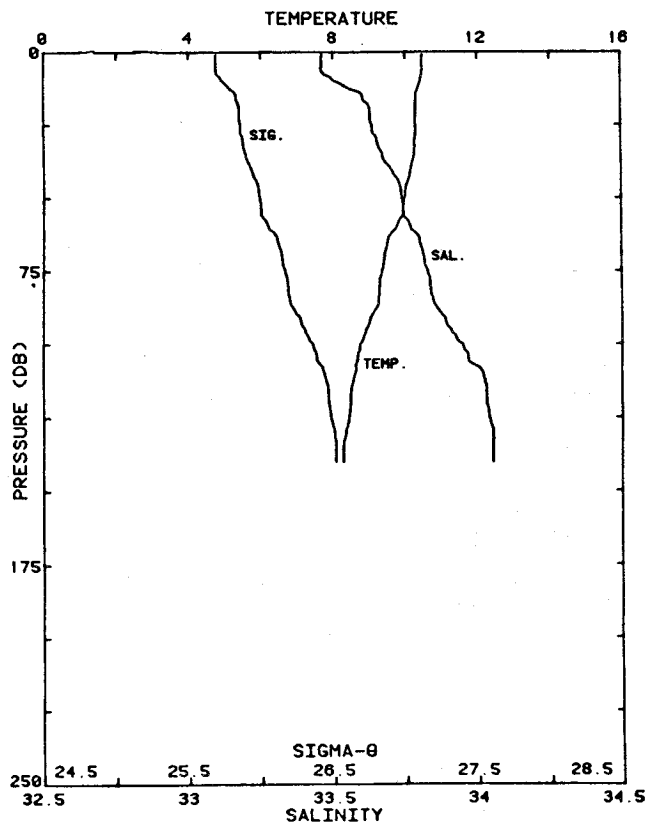
STATION 139 COC 7

STA NO 139 ,COC7 LAT: 38 30.3 N LONG:123 39.6 W
 26 JUL 1982 1253 GMT PROBE 2567 DEPTH 409M
 27.8 KM FROM SHORE

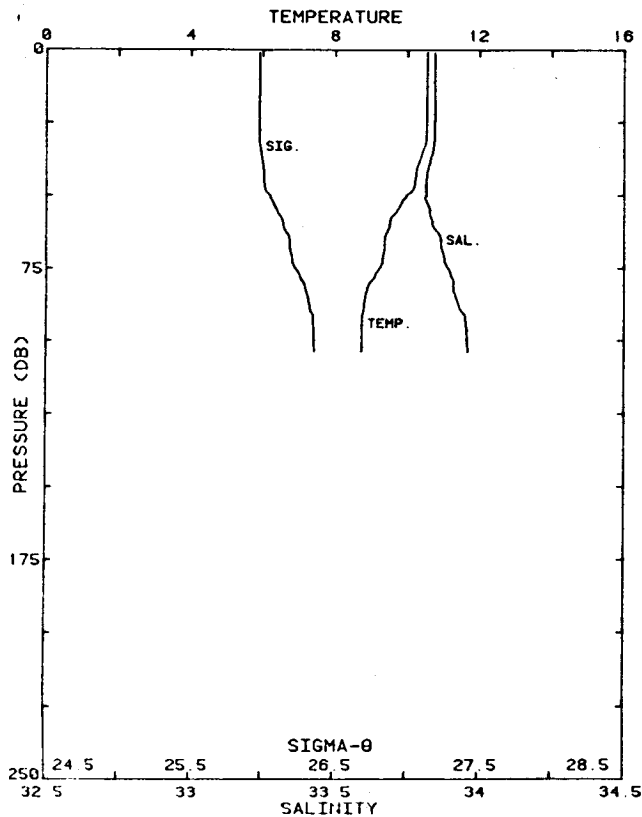
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.299	33.278	11.298	25.402	258.5	0.003
10	11.298	33.278	11.296	25.402	258.6	0.026
20	11.266	33.282	11.264	25.411	258.0	0.052
30	10.777	33.483	10.773	25.655	235.1	0.077
40	9.391	33.480	9.387	25.888	213.1	0.099
50	8.967	33.491	8.961	25.964	206.0	0.120
60	8.792	33.544	8.786	26.033	199.6	0.140
70	8.681	33.695	8.673	26.168	187.0	0.160
80	8.625	33.744	8.616	26.216	182.6	0.178
90	8.570	33.803	8.561	26.270	177.6	0.196
100	8.440	33.824	8.430	26.307	174.3	0.214
110	8.665	33.936	8.654	26.360	169.6	0.231
120	8.613	33.963	8.601	26.389	167.0	0.248
130	8.483	33.986	8.469	26.427	163.5	0.264
140	8.405	33.999	8.391	26.450	161.6	0.281
150	8.311	34.007	8.296	26.471	159.7	0.297
175	8.122	34.029	8.104	26.517	155.8	0.336
200	7.965	34.054	7.945	26.560	152.1	0.375
225	7.803	34.068	7.781	26.595	149.1	0.412
250	7.717	34.094	7.692	26.628	146.4	0.449
300	7.536	34.105	7.507	26.664	143.8	0.522
393	7.110	34.129	7.073	26.744	137.5	0.653

STA NO 140 ,COC6 LAT: 38 32.7 N LONG:123 36.2 W
 26 JUL 1982 1342 GMT PROBE 2567 DEPTH 149M
 21.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.461	33.461	10.461	25.692	230.9	0.002
10	10.420	33.502	10.419	25.732	227.3	0.023
20	10.282	33.628	10.280	25.853	215.9	0.045
30	10.253	33.652	10.250	25.878	213.9	0.067
40	10.133	33.698	10.129	25.934	208.7	0.088
50	9.966	33.737	9.961	25.993	203.4	0.108
60	9.751	33.767	9.744	26.053	197.9	0.128
70	9.406	33.811	9.398	26.144	189.4	0.148
80	9.268	33.833	9.260	26.184	185.8	0.166
90	9.060	33.875	9.050	26.250	179.7	0.185
100	8.726	33.945	8.716	26.357	169.6	0.202
110	8.581	34.015	8.570	26.435	162.5	0.219
120	8.453	34.027	8.441	26.464	159.8	0.235
130	8.319	34.049	8.306	26.502	156.4	0.251
140	8.248	34.048	8.234	26.512	155.6	0.266



STATION 140 COC 6



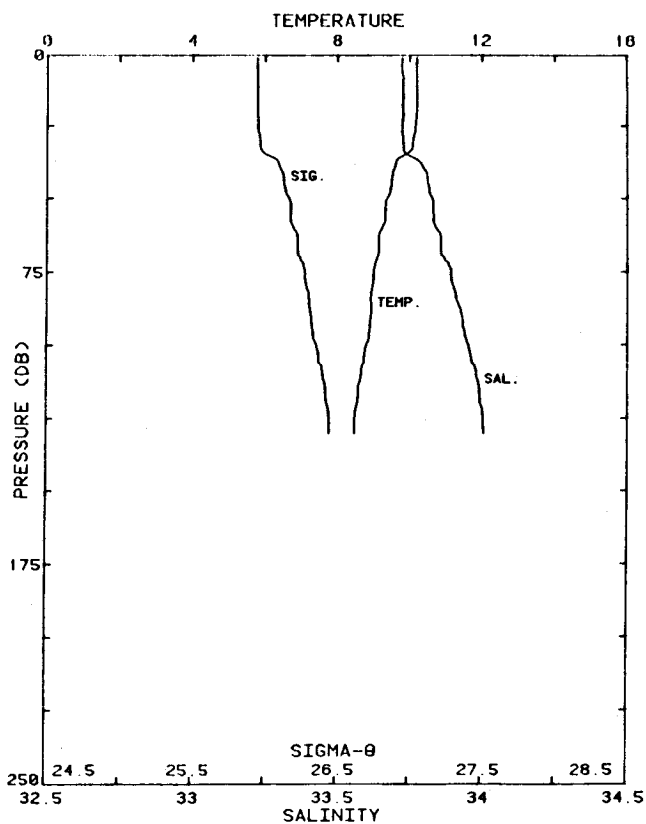
STATION 142 COC 4

STA NO 141 ,COC5 LAT: 38 34.7 N LONG:123 33.2 W
26 JUL 1982 1419 GNT PROBE 2567 DEPTH 137M
15.5 KM FROM SHORE

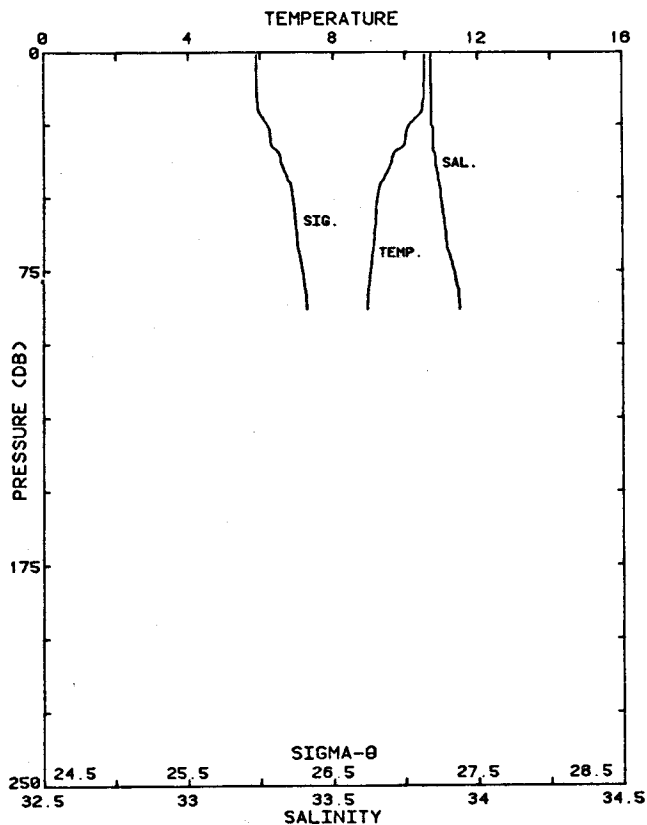
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.185	33.723	10.185	25.944	207.0	0.002
10	10.188	33.725	10.186	25.945	207.0	0.021
20	10.187	33.725	10.185	25.945	207.2	0.041
30	10.089	33.727	10.086	25.961	205.7	0.062
40	9.569	33.797	9.564	26.106	192.4	0.082
50	9.355	33.826	9.349	26.164	187.1	0.101
60	9.222	33.840	9.215	26.196	184.2	0.120
70	9.080	33.868	9.072	26.241	180.2	0.138
80	8.953	33.899	8.944	26.285	176.1	0.156
90	8.911	33.929	8.901	26.316	173.4	0.173
100	8.783	33.952	8.772	26.354	169.9	0.190
110	8.643	33.979	8.632	26.397	166.1	0.207
120	8.545	33.992	8.533	26.423	163.8	0.224
130	8.472	34.004	8.458	26.443	162.0	0.240

STA NO 142 ,COC4 LAT: 38 36.2 N LONG:123 30.8 W
26 JUL 1982 1453 GHT PROBE 2567 DEPTH 111M
11.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.545	33.844	10.545	25.976	203.9	0.002
10	10.544	33.845	10.543	25.977	204.0	0.020
20	10.547	33.846	10.545	25.977	204.2	0.041
30	10.535	33.845	10.532	25.979	204.3	0.061
40	10.283	33.825	10.278	26.007	201.8	0.082
50	9.991	33.820	9.985	26.054	197.6	0.102
60	9.536	33.841	9.529	26.146	189.0	0.121
70	9.368	33.879	9.361	26.203	183.8	0.140
80	8.996	33.915	8.987	26.291	175.6	0.158
90	8.809	33.942	8.800	26.342	170.9	0.175
100	8.777	33.960	8.766	26.362	169.2	0.192
104	8.766	33.962	8.755	26.365	169.0	0.199



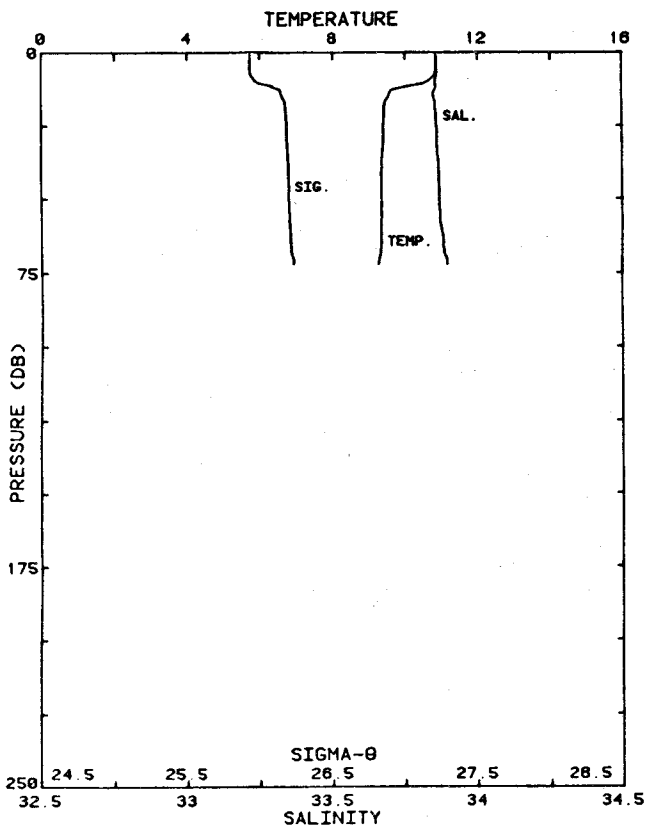
STATION 141 COC 5



STATION 143 COC 3

STA NO 143 ,COC3 LAT: 38 37.5 N LONG:123 28.9 W
 26 JUL 1982 1527 GMT PROBE 2567 DEPTH 94M
 7.4 KM FROM SHORE

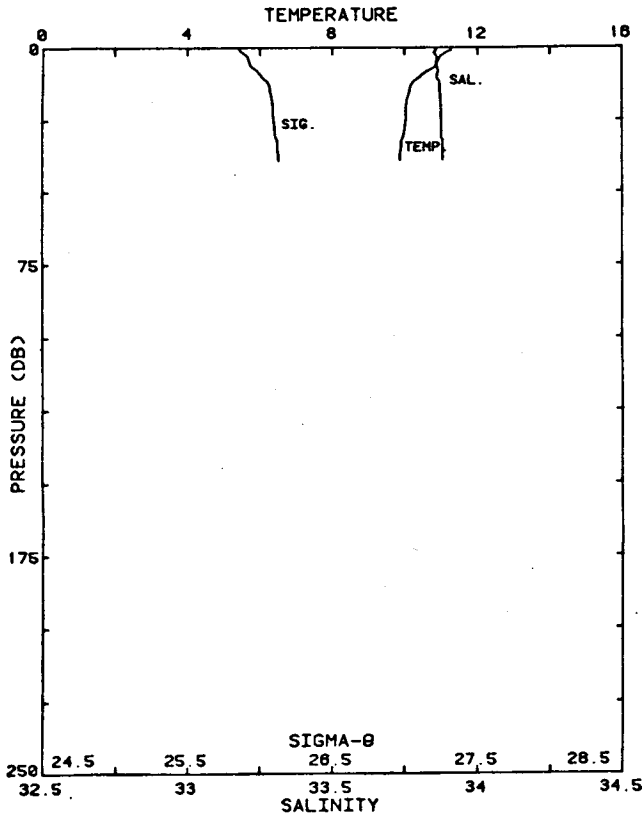
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.540	33.839	10.540	25.973	204.2	0.002
10	10.536	33.840	10.535	25.975	204.2	0.020
20	10.473	33.841	10.471	25.987	203.3	0.041
30	10.012	33.848	10.009	26.072	195.5	0.061
40	9.549	33.859	9.545	26.157	187.5	0.080
50	9.218	33.873	9.212	26.222	181.5	0.098
60	9.158	33.887	9.151	26.243	179.8	0.116
70	9.070	33.904	9.063	26.271	177.3	0.134
80	8.987	33.927	8.979	26.302	174.5	0.152
88	8.937	33.935	8.927	26.317	173.3	0.166



STATION 144 COC 2

STA NO 144 ,COC2 LAT: 38 38.8 N LONG:123 26.9 W
 26 JUL 1982 1537 GMT PROBE 2567 DEPTH 78M
 3.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.847	33.856	10.847	25.932	208.1	0.002
10	10.631	33.853	10.630	25.968	204.8	0.021
20	9.411	33.854	9.408	26.176	185.3	0.040
30	9.385	33.858	9.382	26.183	184.8	0.058
40	9.341	33.865	9.337	26.196	183.8	0.077
50	9.339	33.866	9.333	26.197	183.9	0.095
60	9.320	33.873	9.313	26.206	183.3	0.113
70	9.270	33.891	9.262	26.229	181.4	0.132
72	9.250	33.892	9.243	26.232	181.0	0.135



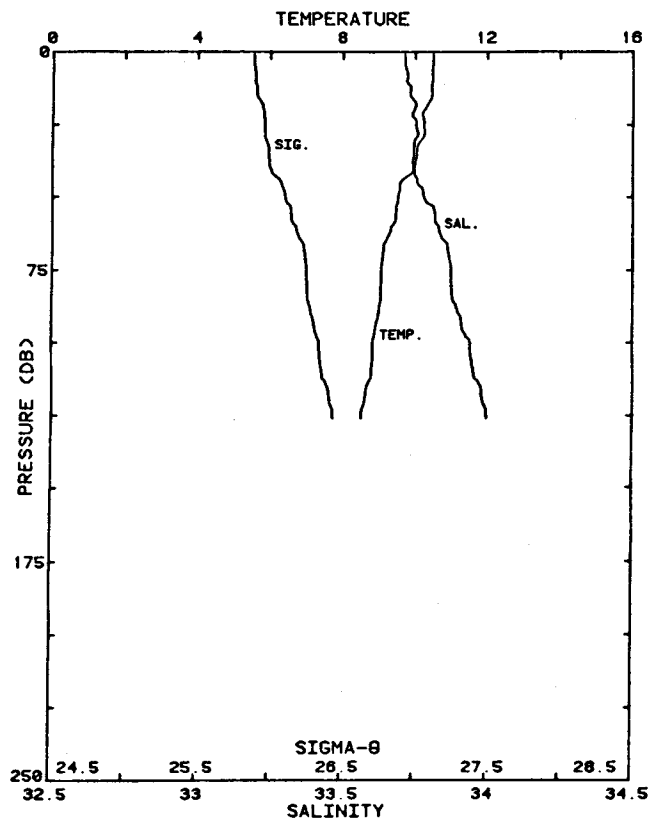
STATION 145 COC 1

STA NO 145 ,COC1 LAT: 38 39.8 N LONG:123 25.5 W
 26 JUL 1982 1629 GMT PROBE 2567 DEPTH 45M
 0.9 KM FROM SHORE

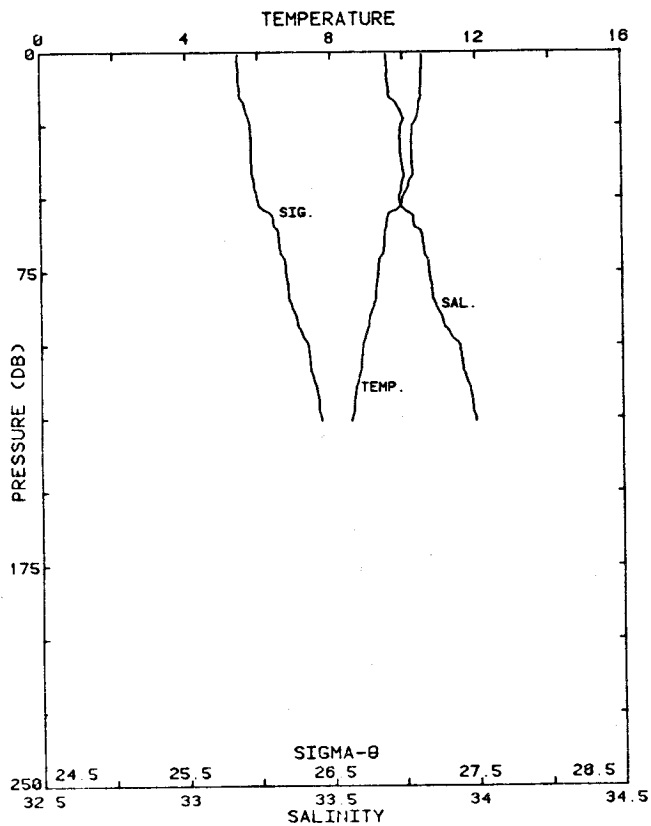
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	11.266	33.855	11.266	25.856	215.3	0.000
10	10.425	33.859	10.424	26.009	201.0	0.021
20	10.027	33.873	10.025	26.088	193.6	0.040
30	9.956	33.875	9.952	26.102	192.6	0.060
39	9.849	33.880	9.845	26.124	190.7	0.077

STA NO 146 C4 LAT: 38 33.2 N LONG:123 31.1 W
 26 JUL 1982 2349 GMT PROBE 2567 DEPTH 133M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.484	33.712	10.484	25.884	212.6	0.002
10	10.465	33.718	10.463	25.892	212.1	0.021
20	10.238	33.744	10.236	25.951	206.6	0.042
30	10.182	33.750	10.179	25.966	205.5	0.063
40	9.971	33.742	9.966	25.996	202.9	0.083
50	9.514	33.779	9.509	26.101	193.0	0.103
60	9.324	33.830	9.318	26.172	186.5	0.122
70	9.090	33.867	9.083	26.239	180.4	0.140
80	9.048	33.876	9.039	26.252	179.3	0.158
90	8.996	33.901	8.986	26.281	176.8	0.176
100	8.827	33.943	8.816	26.340	171.3	0.193
110	8.783	33.953	8.771	26.355	170.1	0.211
120	8.598	33.984	8.585	26.408	165.2	0.227
126	8.505	33.998	8.492	26.434	162.9	0.237



STATION 146 C 4



STATION 147 C 4

STA NO 147 ,C4 LAT: 38 33.5 N LONG:123 31.7 W
 27 JUL 1982 0053 GMT PROBE 2567 DEPTH 133M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.527	33.692	10.527	25.861	214.8	0.002
10	10.513	33.696	10.512	25.867	214.5	0.021
20	10.425	33.739	10.423	25.915	210.1	0.043
30	10.224	33.739	10.221	25.950	207.0	0.064
40	10.248	33.749	10.244	25.954	206.9	0.084
50	9.966	33.735	9.960	25.991	203.5	0.105
60	9.506	33.788	9.499	26.110	192.4	0.125
70	9.343	33.824	9.335	26.164	187.5	0.143
80	9.220	33.844	9.212	26.200	184.3	0.162
90	9.041	33.878	9.031	26.256	179.1	0.180
100	8.838	33.939	8.827	26.335	171.7	0.198
110	8.746	33.958	8.735	26.364	169.2	0.215
120	8.597	33.983	8.585	26.408	165.2	0.232
126	8.528	33.994	8.515	26.427	163.5	0.242

ACKNOWLEDGMENTS

Larry Armi monitored the satellite infrared images during the cruise and transmitted some of these images to the ship; these images were used to design the offshore survey. We thank Libe Washburn, Pierre Flament and Larry Armi for providing us with the underway data used in preparing the surface salinity map for the offshore survey region. Russ Davis provided the satellite image reproduced in Figure 3. William Gilbert drafted most of the figures and assisted in data processing.

Hydrography in Coastal Ocean Dynamics Experiment is supported by the National Science Foundation through Grant OCE-8014943.

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