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**CTD Observations off  
Oregon and California:  
R/V Wecoma, W8205A and  
Code 2 Leg 8,  
18 May - 4 June 1982**

by

Jane Fleischbein  
William E. Gilbert  
Adriana Huyer

Data Report 104  
Reference 83-10  
June 1983

Code Technical Report No. 16

National Science Foundation  
OCE-8014943 and OCE-8026131

OREGON STATE UNIVERSITY

School of Oceanography  
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## ABSTRACT

CTD observations were made in the Code region near Pt. Arena on the northern California coast at 39°N, off Coos Bay at 43°12'N, off Crescent City at 41°54'N, off Eureka at 40°51'N, off Half Moon Bay at 37°25'N, off Pt. Purisima at 34°45'N and in the Santa Barbara Channel during 18 May - 3 June 1982. The observations in the Code region were made along seven sections: Irish Gulch, Arena, North, Code Central, Code-2 Central and Ross lines and along the hundred fathom contour. Maximum sampling depth was 1000 m. This report includes vertical sections, mesoscale maps and offshore profiles to summarize the data, and vertical profile plots and standard depth listings for each of the 178 stations.

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## INTRODUCTION

A hydrographic survey between Coos Bay, Oregon and Pt. Purisima, California was conducted through the cooperation of two projects: the Coastal Ocean Dynamics Experiment (CODE) (A. Huyer, principal investigator) and the Large Scale West Coast Shelf Experiment (J. S. Allen, A. Huyer and R. L. Smith). On different scales both projects are involved in describing the response of continental shelf waters to a time varying wind stress. The purpose of cruise W8205A was to recover and/or deploy current meter moorings and complete CTD sections off of Coos Bay, Oregon and Crescent City, Eureka, Half Moon Bay, Pt. Purisima and Pt. Conception, California. The main purpose of CODE-2, Leg 8, was to make CTD observations in the CODE region between Pt. Arena and Pt. Reyes. A secondary purpose of both cruises was to measure the near-surface flow field by using a doppler acoustic log and by deploying surface and subsurface drifters that can be tracked from the coast or from the air. Only the CTD data are included in this report.

The R/V Wecoma departed from Newport, Oregon on 18 May 1982 on cruise W8205A. In the early morning on 19 May the Five Mile CTD section (Stations 1-5, Figure 1, Table 1) was started then stopped at daylight in order to replace the Coos Bay deep and shallow current meter moorings. The Five Mile CTD section (Stations 6-9, Table 1) was completed and on 20 May the Crescent City CTD line (Stations 10-18) was done and the Crescent City Deep mooring was recovered, missing its top current meter. On 21 May the Eureka Shallow mooring was replaced and the Eureka CTD section (Stations 19-25) was completed.

Drifters were deployed on the run down to Code Central line (Figure 1) and two CTD stations (Stations 26, 27) were completed before breaking

Table 1. List of CTD stations during W8205A and CODE 2, Leg 8, showing date and time, location, distance from shore, wind speed and direction, atmospheric pressure, and wet and dry bulb air temperature.

			Station		Location		Wind		Atm.	Air Temp.	
			No.	Name	Lat. (°N)	Long. (°W)	Dir. (°T)	Spd. (kts)	Pressure (mb)	Dry	Wet
May	19	0759Z	1	FM-9	43°12.8	125°10.0	020	22	1023.0	11.0	8.6
		1005	2	FM-8	13.0	00.1	030	24	1022.0	10.6	8.4
		1149	3	FM-7	13.0	124°50.0	050	22	1021.7	10.1	8.2
		1256	4	FM-6	12.9	45.1	040	25	1022.0	10.0	8.2
		1359	5	FM-5	13.0	40.0	020	25	1021.0	11.1	8.9
		2155	6	FM-5	13.0	40.1	000	24	1019.4	10.5	8.6
		2258	7	FM-4	12.9	35.0	000	24	--	11.0	9.5
		2350	8	FM-3	13.0	30.0	000	24	1019.0	10.8	9.4
May	20	0037	9	FM-1	13.0	26.0	010	24	1018.8	10.3	9.0
		0827	10	CR-9	41°54.0	125°20.0	350	25	1018.0	11.4	10.0
		1000	11	CR-8	53.9	11.9	350	24	1017.9	11.2	10.1
		1222	12	CR-7	53.9	124°59.8	350	22	1017.9	10.9	10.0
		1426	13	CR-6	53.9	47.8	350	22	1017.7	10.9	8.8
		1831	14	CR-1	54.0	18.0	-	AIRS	1017.9	9.4	8.6
		1922	15	CR-2	54.0	24.1	-	AIRS	1018.0	10.4	9.4
		2004	16	CR-3	54.0	29.0	350	15	1018.0	10.1	9.3
		2059	17	CR-4	54.0	36.0	350	17	1017.9	10.2	9.4
May	21	2202	18	CR-5	54.0	42.0	330	25	1017.1	10.5	9.6
		0355	19	EUR-7	40°52.0	56.0	350	12	1018.9	10.7	10.0
		0515	20	EUR-6	52.0	48.0	340	12	1019.0	10.8	10.1
		0634	21	EUR-5	52.0	40.0	350	12	1019.0	10.7	10.0
		0746	22	EUR-4	52.0	33.9	330	13	1018.0	10.7	9.9
		0851	23	EUR-3	52.0	27.9	340	13	1017.9	10.5	9.6
		0948	24	EUR-2	52.0	21.9	350	12	1017.2	10.1	9.4
		1036	25	EUR-1	52.0	16.0	350	12	1017.4	10.0	9.2
May	22	0751	26	COC-2	38°38.9	123°26.9	320	22	1012.9	9.5	8.7
		0832	27	COC-3	37.4	29.0	320	26	1013.0	9.4	8.7
May	23	0818	28	PUR-1	34°45.0	120°42.0	-	AIRS	1012.3	11.7	11.4
		1905	29	PUR-2	45.0	48.0	-	AIRS	1012.7	13.0	12.0
		1955	30	PUR-3	45.0	54.0	240	06	1012.4	12.6	11.8
		2049	31	PUR-4	44.9	121°00.1	230	05	1012.6	14.5	12.8
		2224	32	PUR-5	45.0	12.1	-	AIRS	1012.1	15.5	13.3
		2350	33	PUR-6	45.0	24.1	-	AIRS	1011.5	13.5	12.4
May	24	0122	34	PUR-7	45.0	36.0	310	08	1010.9	13.5	12.4
		0304	35	PUR-8	45.0	48.0	350	08	1010.8	12.9	12.2
		0441	36	PUR-9	45.0	122°00.0	000	08	1010.8	13.3	12.4
		2026	37	CAP-1	26.3	120°02.0	-	AIRS	1011.2	15.7	14.3
		2041	38	CAP-2	26.3	02.0	-	AIRS	1011.2	15.7	14.3
		2113	39	CAP-3	23.3	02.0	-	AIRS	1010.7	15.1	14.3
		2152	40	CAP-4	20.3	02.0	-	AIRS	1010.5	14.0	13.5
		May	25	0013	41	HER-1	25.2	24.3	-	AIRS	1009.4
0052	42			HER-2	22.2	24.1	-	AIRS	1009.8	14.1	13.2
0138	43			HER-3	18.8	24.0	-	AIRS	1009.9	14.0	13.1

Table 1. Cont'd.

			Station		Location		Wind		Atm. Pressure (mb)	Air Temp. (°C)	
			No.	Name	Lat. (°N)	Long. (°W)	Dir. (°T)	Spd. (kts)		Dry	Wet
May	25	2259	44	HM-1	37°24.5	122°28.2	200	16	1009.0	13.5	12.6
		2348	45	HM-2	23.8	33.5	200	10	1009.0	12.8	12.2
May	26	0036	46	HM-3	23.0	39.1	200	14	1008.9	12.8	12.2
		0125	47	HM-4	22.2	44.9	180	8	1008.5	13.1	12.5
		0217	48	HM-5	21.3	50.8	160	10	1008.5	13.0	12.5
		0318	49	HM-6	20.6	56.9	180	6	1007.9	12.6	12.3
		0428	50	HM-7	19.7	123°03.1	240	8	1008.1	12.7	12.0
		0542	51	HM-8	18.8	09.2	220	8	1008.6	11.8	11.4
		0703	52	HM-9	18.0	15.4	-	AIRS	1008.4	11.9	11.0
		1052	53	HUN-16	48.8	19.3	355	10	1008.0	--	--
		1227	54	CBH	38°00.0	20.4	-	AIRS	1008.0	10.5	9.9
		1338	55	HUN-14	07.1	21.8	330	8	1008.0	10.9	10.4
		1446	56	HUN-13	13.4	23.0	320	10	1008.3	10.7	10.1
		1553	57	HUN-12	19.2	26.2	320	10	1008.0	10.7	9.6
		1651	58	HUN-11	23.7	30.0	310	5	1008.2	11.1	9.8
		1752	59	HUN-10	28.1	33.2	330	12	1008.5	11.2	10.0
		1928	60	COC-1	40.1	25.5	310	7	1008.9	11.3	10.0
		2000	61	COC-2	39.0	26.7	310	10	1008.9	--	--
		2042	62	COC-3	37.5	29.0	320	17	1008.6	11.1	9.5
		2114	63	COC-4	36.1	30.8	310	20	1008.2	10.5	9.0
		2151	64	COC-5	34.5	33.4	320	20	1008.0	10.5	8.9
		2233	65	COC-6	32.7	36.2	330	24	1007.9	10.9	9.1
		2340	66	COC-7	30.2	39.7	330	30	1007.3	10.7	8.0
May	27	0230	67	COC-8	27.0	44.6	340	30	1007.0	10.5	9.0
		0436	68	COC-9	24.0	49.2	350	32	1007.5	10.3	8.8
May	29	0637	69	S-4	14.5	19.9	310	20	1012.4	9.7	8.9
		0904	70	ROS-10	06.8	45.6	330	23	1012.7	10.4	9.6
		1035	71	ROS-9	10.0	40.7	320	22	1012.1	10.4	9.5
		1204	72	ROS-8	13.2	35.6	340	20	1012.2	10.8	9.5
		1322	73	ROS-7	16.0	31.0	320	16	1013.0	10.4	9.5
		1422	74	ROS-6	19.7	26.0	320	12	1013.0	10.5	9.6
		1507	75	ROS-5	21.3	23.3	320	8	1012.9	10.2	9.7
		1544	76	ROS-4	23.1	20.7	310	9	1013.1	10.6	9.8
		1618	77	ROS-3	24.8	18.0	315	6	1013.3	10.8	9.8
		1702	78	ROS-2	26.6	15.4	310	5	1013.5	10.8	9.7
		1738	79	ROS-1	28.3	12.8	290	4	1013.5	11.2	10.1
		1836	80	CR-3	31.3	21.7	-	AIRS	1013.6	12.2	10.8
		1941	81	COC-1	39.9	25.5	-	AIRS	1013.9	13.9	11.7
		2010	82	COC-2	38.8	26.9	-	AIRS	1013.9	13.6	11.5
		2043	83	COC-3	37.5	28.9	-	AIRS	1013.9	14.2	12.1
		2115	84	COC-4	36.2	30.8	-	AIRS	1013.9	13.5	12.0
		2152	85	COC-5	34.5	33.4	-	AIRS	1013.9	11.4	10.9
		2236	86	COC-6	32.7	36.2	-	AIRS	1013.9	12.5	11.7
		2327	87	COC-7	30.3	39.6	-	AIRS	1013.9	11.7	11.0



Table 1. Cont'd.

			Station		Location		Wind		Atm. Pressure (mb)	Air Temp. (°C)	
			No.	Name	Lat. (°N)	Long. (°W)	Dir. (°T)	Spd. (kts)		Dry	Wet
May	30	0032	88	COC-8	38°27.1	123°44.6	-	AIRS	1014.0	13.0	11.2
		0150	89	COC-9	24.0	49.3	-	AIRS	1014.0	11.9	11.1
		0310	90	COC-10	20.8	54.5	290	7	1013.7	10.8	9.9
		0526	91	NOR-8	34.5	124°03.0	-	AIRS	1014.5	11.0	9.7
		0659	92	NOR-7	37.9	123°58.0	-	AIRS	1014.5	11.0	9.8
		0817	93	NOR-6	41.1	53.3	-	AIRS	1014.2	11.3	9.9
		0932	94	NOR-5	42.8	50.7	-	AIRS	1014.0	11.4	10.0
		1028	95	NOR-4	44.9	47.9	-	AIRS	1014.0	10.4	9.5
		1108	96	NOR-3	46.5	45.1	-	AIRS	1013.9	10.7	9.8
		1147	97	NOR-2	48.5	42.8	-	AIRS	1014.0	10.6	9.9
		1254	98	NOR-1	50.0	40.1	-	AIRS	1014.5	10.9	9.9
		1353	99	IN-3	54.2	46.8	-	AIRS	1015.0	10.3	9.8
		1432	100	AR-1	57.0	46.1	-	AIRS	1015.1	10.5	9.9
		1509	101	AR-2	55.8	49.3	-	AIRS	1015.0	10.3	9.6
		1542	102	AR-3	54.9	52.6	-	AIRS	1015.2	10.8	9.7
		1629	103	AR-4	53.9	55.8	-	AIRS	1015.4	11.5	9.7
		1710	104	AR-5	53.0	59.0	320	6	1015.6	10.1	9.2
		1759	105	AR-6	52.0	124°02.3	350	5	1015.7	10.4	9.4
		1921	106	AR-7	50.2	08.1	-	AIRS	1016.0	11.0	9.5
		2043	107	AR-8	48.0	14.6	-	AIRS	1015.9	11.4	9.6
2259	108	IR-8	39°03.0	16.9	-	AIRS	1015.0	11.6	10.0		
May	31	0021	109	IR-7	03.0	09.9	-	AIRS	1015.0	11.5	9.6
		0139	110	IR-6	03.1	04.0	-	AIRS	1015.0	11.4	9.6
		0240	111	IR-5	03.0	123°59.9	-	AIRS	1014.5	11.3	9.5
		0332	112	IR-4	03.0	56.5	-	AIRS	1014.3	10.9	9.7
		0404	113	IR-3	03.0	53.0	-	AIRS	1014.5	10.7	9.6
		0442	114	IR-2	03.0	48.5	-	AIRS	1014.6	10.9	9.8
		0518	115	IR-1	03.0	44.5	-	AIRS	1014.8	11.2	9.9
		0531	116	IR-1	02.9	44.4	-	-	--	--	--
		2208	117	COA-1	38°38.6	24.8	250	8	1016.9	13.1	10.9
		2244	118	COA-2	37.2	26.7	270	10	1017.0	12.5	10.3
June	1	2311	119	COA-3	36.5	27.9	270	8	1017.0	12.8	10.7
		2342	120	COA-4	35.0	29.8	270	6	1017.0	11.5	10.5
		0015	121	COA-5	33.6	31.8	-	-	1016.6	11.6	10.5
		0058	122	COA-6	32.3	34.0	-	AIRS	1016.9	12.0	10.7
		0150	123	COA-7	30.0	37.1	270	8	1017.0	12.0	10.7
		0247	124	COA-8	26.7	41.1	270	8	1016.8	12.0	10.9
		0350	125	COA-9	22.5	47.5	290	10	1016.3	11.7	10.9
		0444	126	CON	26.5	50.0	280	9	1016.2	11.7	10.9
		0540	127	CN-7	31.0	52.1	280	10	1016.7	12.7	11.1
		0648	128	CN-6	34.1	47.9	290	10	1016.7	11.8	10.8
		0806	129	CN-5	36.3	44.5	330	8	1016.6	11.5	10.8
		0857	130	CN-4	38.3	41.7	310	7	1016.6	11.6	10.6
		0940	131	CN-3	40.3	38.8	-	AIRS	1016.5	11.5	10.9
1019	132	CN-2	42.2	35.7	330	5	1016.4	12.4	10.8		
1101	133	CN-1	44.0	33.0	340	10	1016.4	12.0	10.7		

Table 1. Cont'd.

		Station		Location		Wind		Atm. Pressure (mb)	Air Temp. (°C)		
		No.	Name	Lat. (°N)	Long. (°W)	Dir. (°T)	Spd. (kts)		Dry	Wet	
June 1	1139	134	CA-1	38°41.0	123°34.0	340	8	1016.9	11.7	10.6	
	1219	135	CA-2	37.2	35.0	330	10	1017.0	11.4	10.2	
	1258	136	CA-3	37.5	31.0	330	15	1017.0	11.6	10.4	
	1339	137	COA-2	37.3	26.5	320	20	1017.0	11.6	10.5	
	1421	138	CAR	35.0	23.0	330	18	1017.0	11.8	10.7	
	1459	139	RC-1	31.8	21.3	310	18	1016.8	11.9	10.9	
	1527	140	RC-2	30.8	22.6	310	18	1017.0	11.9	10.8	
	1600	141	RC-3	29.0	25.5	315	18	1017.1	11.3	10.3	
	1635	142	RC-4	27.0	28.5	320	18	1017.5	11.1	10.1	
	1710	143	RC-5	25.0	31.5	325	18	1017.5	11.0	9.9	
	1810	144	RC-6	23.0	35.0	320	18	1018.0	11.2	10.3	
	1903	145	RC-7	19.7	40.1	330	22	1018.4	11.6	10.6	
	2006	146	RC-8	16.4	45.0	330	22	1019.0	12.6	11.0	
	2130	147	ROS-9	10.1	40.5	320	23	1019.1	12.5	10.5	
	2242	148	RS-8	11.3	35.0	320	25	1018.0	12.7	10.6	
	2354	149	RS-7	12.5	29.7	320	24	1018.0	11.4	10.0	
	June 2	0135	150	RS-6	13.5	24.2	320	28	1017.0	11.3	10.0
		0229	151	S-4	14.5	19.9	320	30	1016.9	10.6	9.5
		0326	152	RS-4	15.2	16.3	315	35	1016.0	10.6	9.2
0405		153	RS-3	16.2	12.3	310	35	1016.0	10.6	9.4	
0441		154	RS-2	17.1	09.0	315	30	1017.0	10.6	9.6	
0522		155	RS-1	17.7	06.2	315	25	1016.0	10.7	9.5	
0614		156	B-1	21.3	08.5	310	27	1016.0	10.5	9.3	
0706		157	B-2	25.2	10.8	310	22	1016.0	10.1	9.0	
0744		158	ROS-1	28.3	12.8	310	18	1016.0	10.0	8.5	
0811		159	R-2	26.9	13.5	310	22	1016.0	10.1	8.9	
0847		160	R-3	24.7	16.1	320	20	1015.9	10.0	8.9	
0942		161	R-4	21.5	23.5	320	25	1016.0	10.2	9.0	
1209		162	COC-2	39.0	27.0	320	20	1016.5	9.9	8.8	
1256		163	COC-3	37.4	28.9	325	24	1017.0	10.0	8.6	
1329		164	COC-4	36.2	30.8	325	24	1017.0	10.0	8.5	
1404		165	COC-5	34.6	33.4	330	24	1017.0	10.2	8.7	
1448		166	COC-6	32.6	36.3	325	24	1017.5	10.8	9.0	
1657		167	NOR-4	44.7	47.5	330	22	1018.2	10.6	8.5	
1732		168	NOR-3	46.5	45.0	335	24	1018.2	10.8	8.8	
1805		169	NOR-2	48.1	42.7	330	20	1018.3	10.7	8.5	
1841		170	NOR-1	50.0	40.0	330	20	1018.3	10.8	8.9	
2017		171	AR-4	53.7	56.2	310	18	1018.9	11.5	9.5	
2106		172	AR-3	54.9	52.6	330	18	1018.7	10.5	9.8	
2145		173	AR-2	55.8	49.3	330	18	1018.9	12.2	10.0	
2222		174	AR-1	57.0	46.0	330	17	1018.9	11.1	9.4	
2320		175	IR-1	39°03.0	44.5	330	18	1019.5	11.0	9.7	
2354		176	IR-2	03.0	48.6	330	17	1019.4	11.1	9.5	
June 3	0037	177	IR-3	02.9	53.1	325	16	1019.2	11.2	9.7	
	0112	178	IR-4	03.0	56.5	325	16	1019.2	11.1	9.9	

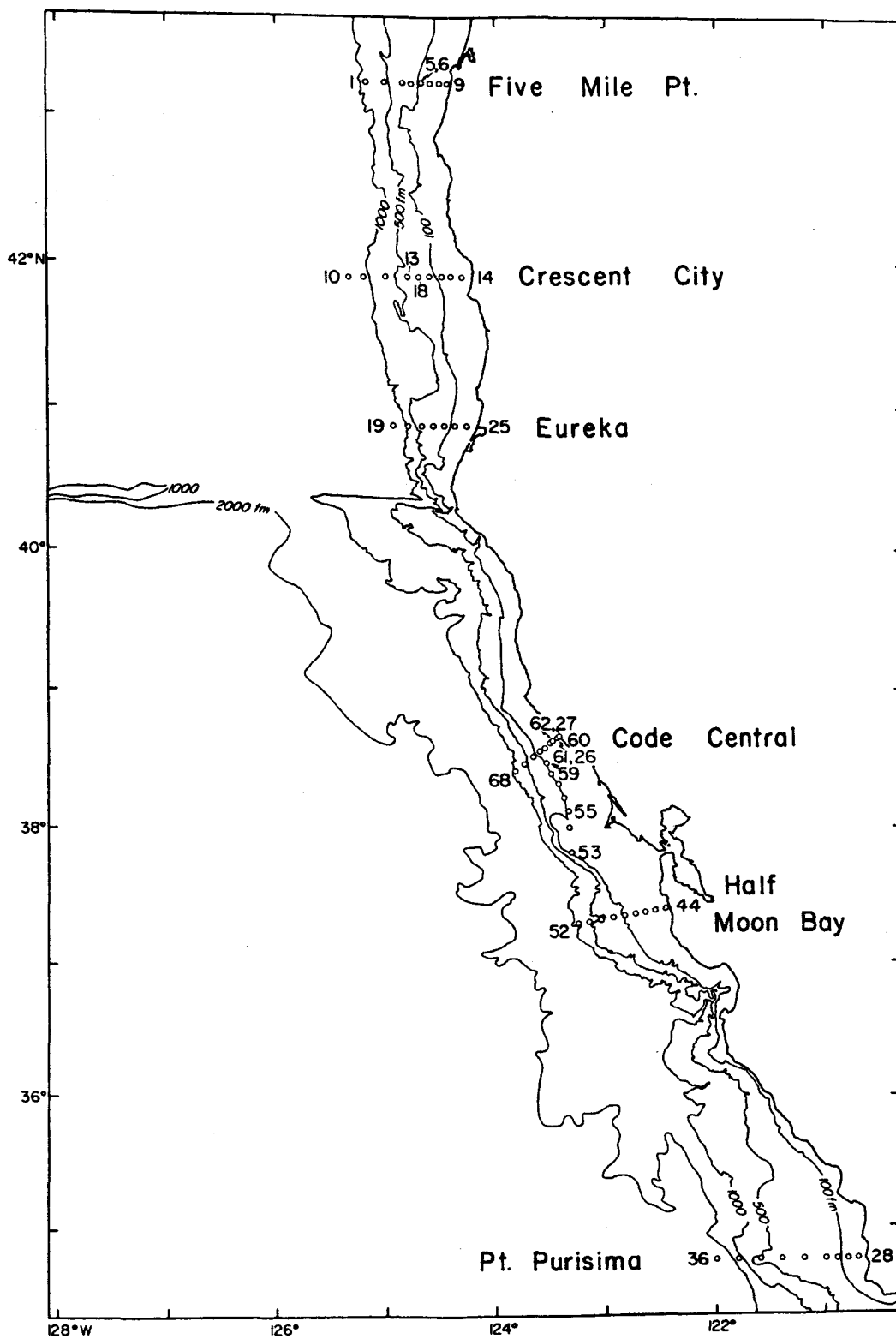


Figure 1. Location of stations off Five Mile Pt., Crescent City, Eureka, in the Code region and off Half Moon Bay and Pt. Purisima, 19-27 May 1982. Stations 37-43 were located in the Santa Barbara Channel below Pt. Purisima.

off due to rough weather. The ship continued south and on 22-23 May the Half Moon Bay Deep and Pt. Purisima Deep and Shallow current meter moorings were replaced. On 24 May, after completing the Pt. Purisima line (Stations 28-36), two moorings were deployed in the Santa Barbara Channel and CTD observations (Stations 37-47) were made near the mooring sites.

On 25 May John Allen and Robert Still, mooring personnel, were disembarked at Monterey. The ship then proceeded toward Half Moon Bay and on 25-27 May CTD sections were completed along the Half Moon Bay line (Stations 44-52), the Hundred Fathom Curve (Stations 53-59) and Code Central line (Stations 60-68).

The R/V Wecoma docked at Yerba Buena Island, California on 28 May and after loading additional drifters departed on cruise Code 2, Leg 8. From 28 May to 3 June 110 CTD casts (Stations 69-178, Figure 2) were completed in the Code region including Irish Gulch, Pt. Arena, North, Code central, and Ross lines (Figure 2). The Arena, North, Code Central (COC) and Ross lines had been occupied repeatedly during Code 1 in 1981 (e.g. Gilbert et al., 1982) and previously in 1982 as part of Code 2 (e.g. Fleischbein et al., 1983). The Code Central and Code 2 Central (COA) lines were occupied four times during W8205A and Leg 8. The maximum sampling depth was 1000 m. The ship returned to Newport on 4 June.

During cruise W8205A winds were generally out of the north to northwest with windspeeds over 10 kts from the Code Central line north and variable and light from Half Moon Bay south to Pt. Conception (Table 1). During Code 2, Leg 8 in the Code region wind direction was steady between 270° and 350°T (Figure 3). During the mesoscale survey from 29-31 May the wind decreased from 23 to 4 kts during the first section and the wind remained

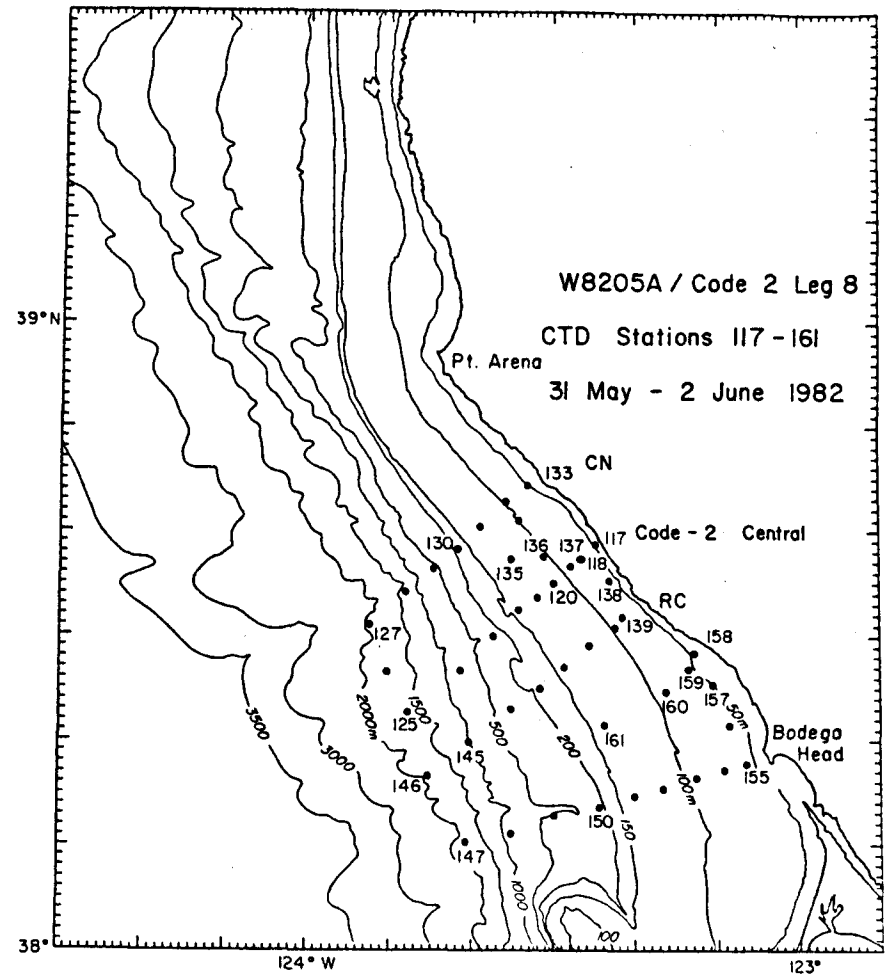
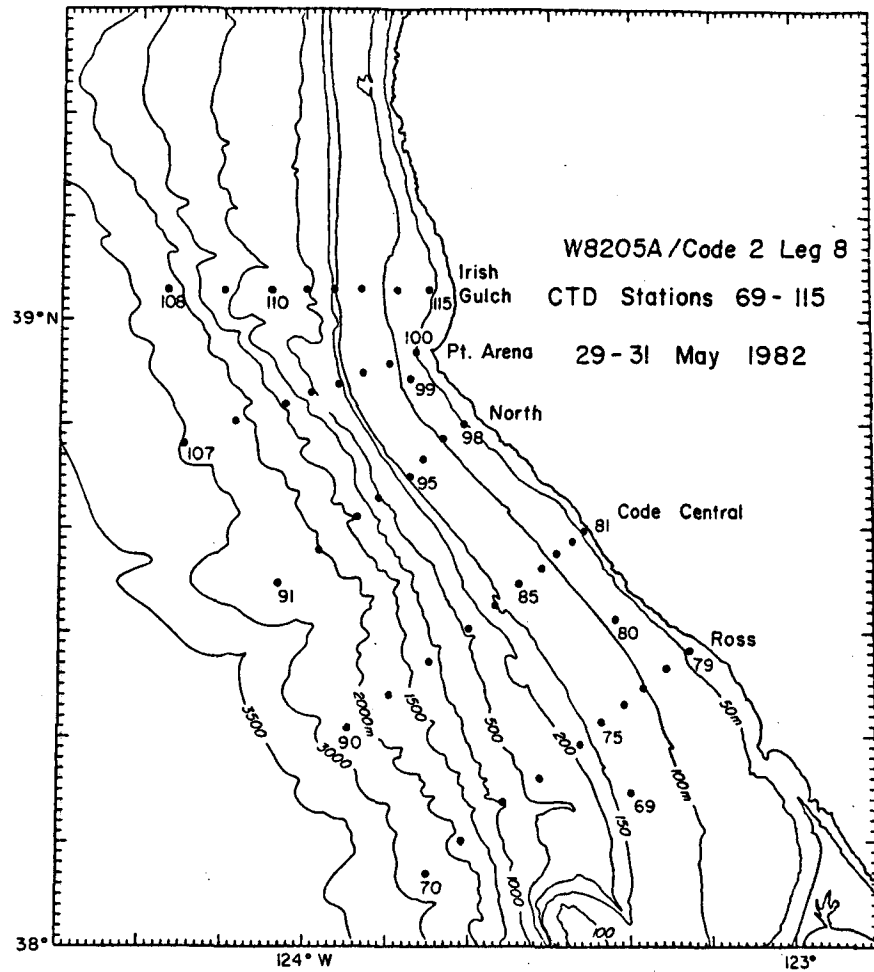


Figure 2. Location of Stations in the Code region, 29 May - 3 June, 1982.

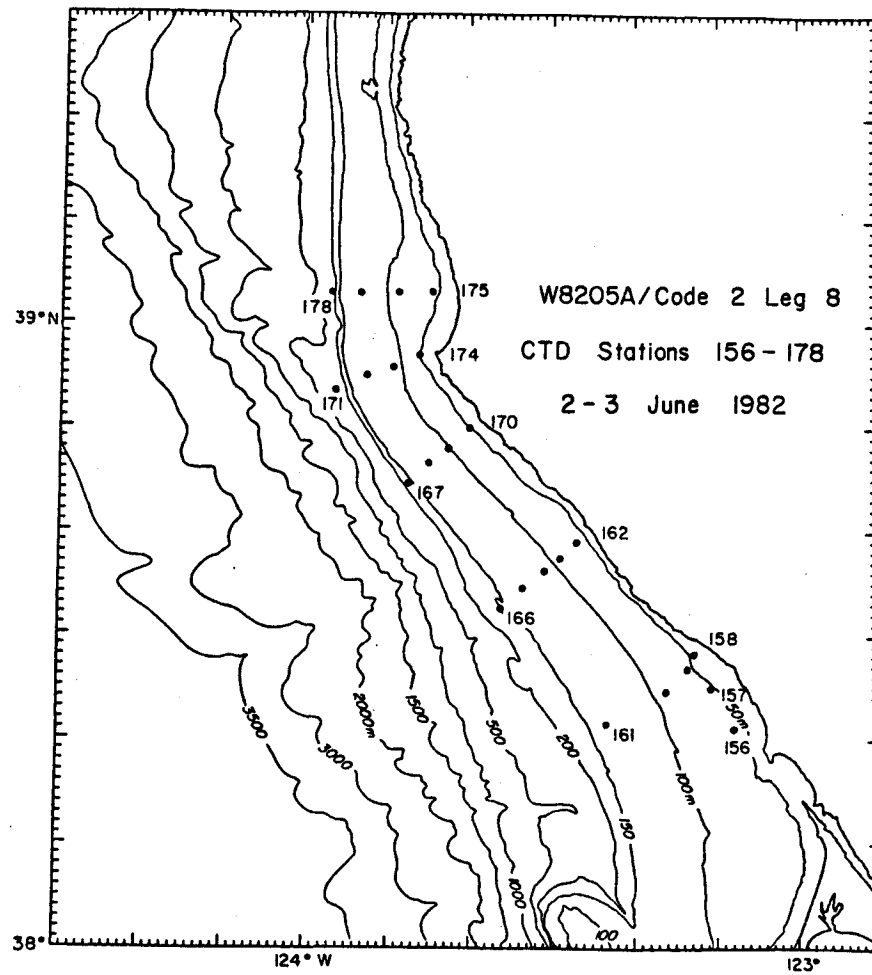


Figure 2. Continued.

calm for the other four sections. The wind speed increased to 35 kts during the survey from 31 May to 2 June. The mesoscale maps of properties prepared from these surveys (p. 43-50) reflect this lack of synopticity. During the last mesoscale survey 2 - 3 June the wind direction was steady from 310° to 330°T and wind speed remained strong at 16-27 kts (Figure 3.); winds were stronger offshore, and hence the sections were limited to the shelf.

Scientific personnel on both cruises were Adriana Huyer, Mirth Miller, Rich Schramm, Henry Pittock, Dennis Barstow, Henry Schaechterle, all of Oregon State University, Rich Hevner of Clatsop Community College, and Eric Hautala and Jim Thorn from Astoria High School. Additional personnel on W8205A were John Allen, Robert Smith and Robert Still of Oregon State University, and on Leg 8, Anne Dorkins of Scripps Institution of Oceanography.

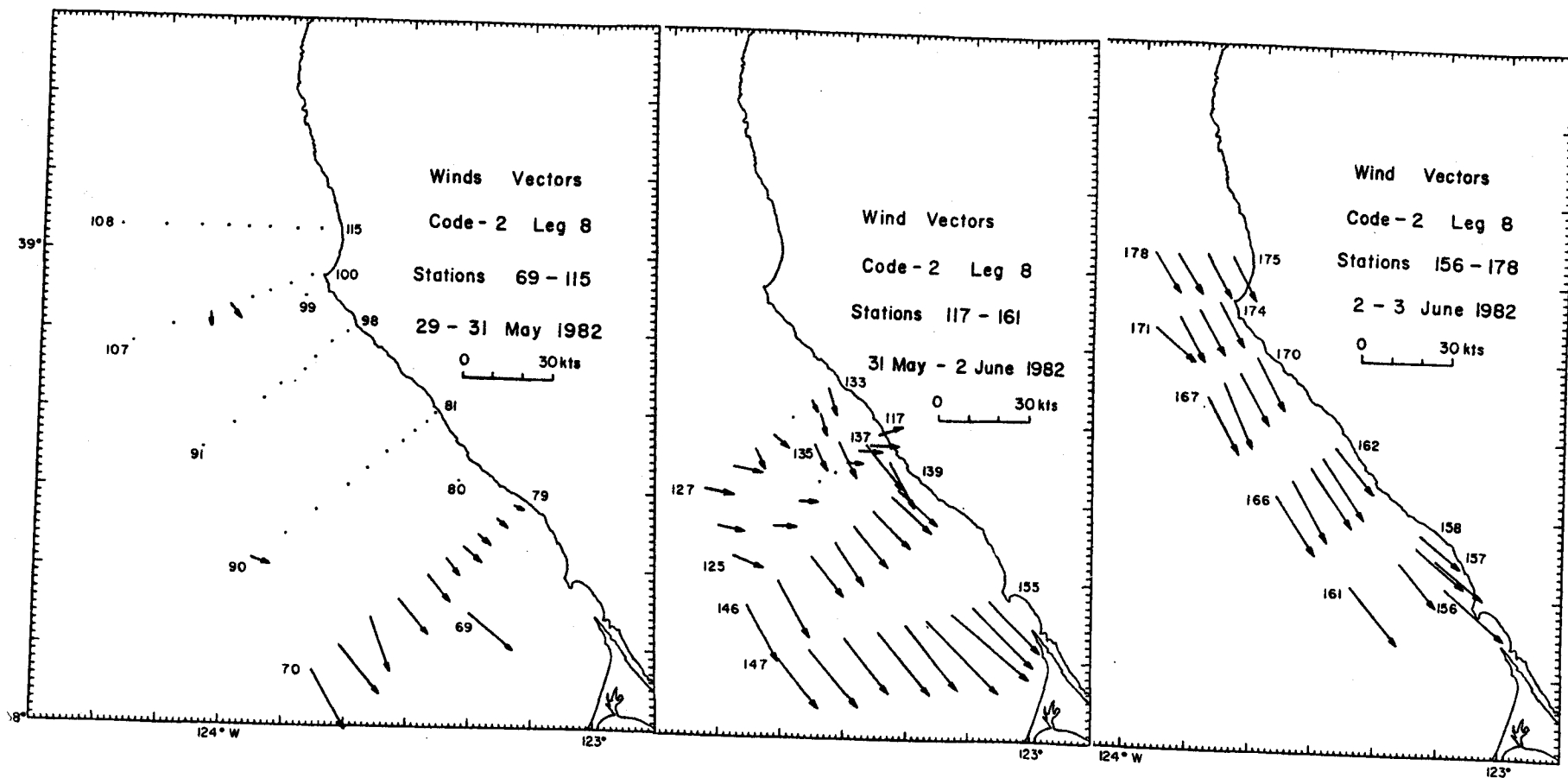


Figure 3. Wind Vectors observed at CTD Stations in the Code region, 29 May - 3 June 1982. The absence of vectors at some stations indicates "airs", i.e. winds too light to have a definite direction.



## 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 bottles at each station. The two sets, #1 and 2, were analysed on OSU's Autosals #1 and 3 respectively.

Results of the comparison between *in situ* sample data and the CTD output are summarized in Table 2. The sample conductivity was calculated using the

Table 2. 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  $\text{cm}^{-2}$  before processing.

	<u>No. of Samples</u>	<u>Mean Difference</u>	<u>Standard Deviation</u>
Sample Set #1			
Temperature ( $^{\circ}\text{C}$ )	165	0.003	0.013
Conductivity (mmhos $\text{cm}^{-2}$ )	177	0.019	0.005
Salinity ( $\text{‰}$ )	177	0.019	0.004
Sample Set #2			
Temperature ( $^{\circ}\text{C}$ )	165	0.003	0.013
Conductivity (mmhos $\text{cm}^{-2}$ )	176	0.019	0.004
Salinity ( $\text{‰}$ )	176	0.019	0.004

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  $\text{cm}^{-2}$  and standard deviations of 0.005 (set 1) and .004 mmhos  $\text{cm}^{-2}$  (set 2), so a conductivity correction of +0.019 mmhos  $\text{cm}^{-2}$  was applied to all stations prior to processing the data.

The procedures for data processing were described by Gilbert, Huyer and Schramm (1981). The coefficient ( $\alpha$ ) for the conductivity filter for the probe 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 3. These stations also have footnotes to the listings in the body of the data report.

A number of stations (e.g. 113, 133, 141, 156) have inversions in density salinity and temperature. The similarity of the inversions in all three variables suggests that the inversions are apparent rather than real; they may be due to the finite lowering rate (45 m/min) of the CTD in the presence of high frequency internal waves.

Table 3. Stations edited during data processing.

Station	Depth of Jump in Conductivity	Remedy
11	38-45 db	Linear interpolation of processed salinity at 38-46 db.
18	302-312 db	Linear interpolation of processed salinity at 302-312 db.
65	65 db	Joined data from 1-28 db with data from recast resulting in a 20 min. gap at 28-29 db.
149	351 db	Linear interpolation of processed salinity at 350-351 db.

## DATA PRESENTATION

The hydrographic data are summarized in vertical sections and offshore profiles. 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 each hydrographic section in Figure 1 and repeated Code sections, we also show offshore profiles of surface temperature, salinity, sigma-theta, and dynamic height at 0, 100 and 200 db relative to 500 db. Dynamic height at shallow stations was computed using the extrapolation method described by Reid and Mantyla (1976); the extrapolated portion of each profile is dashed.

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

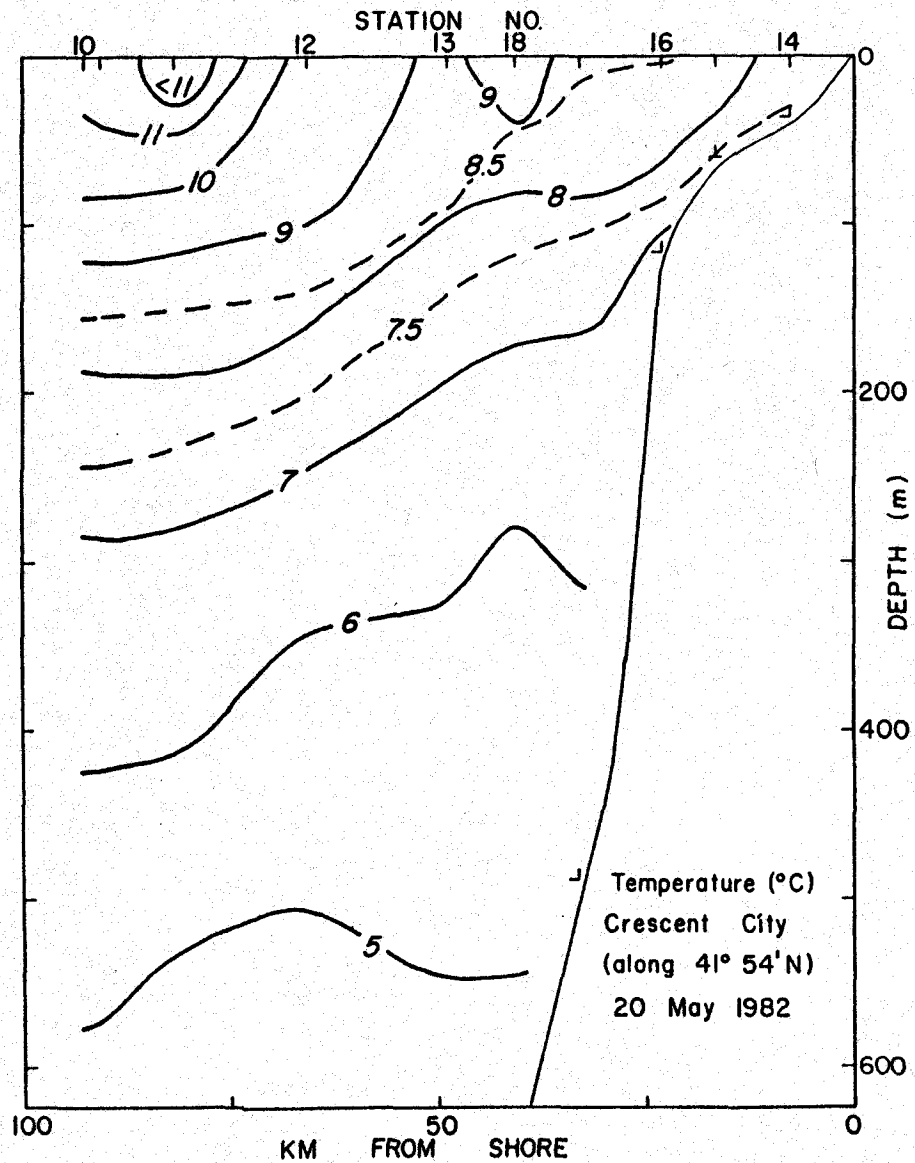
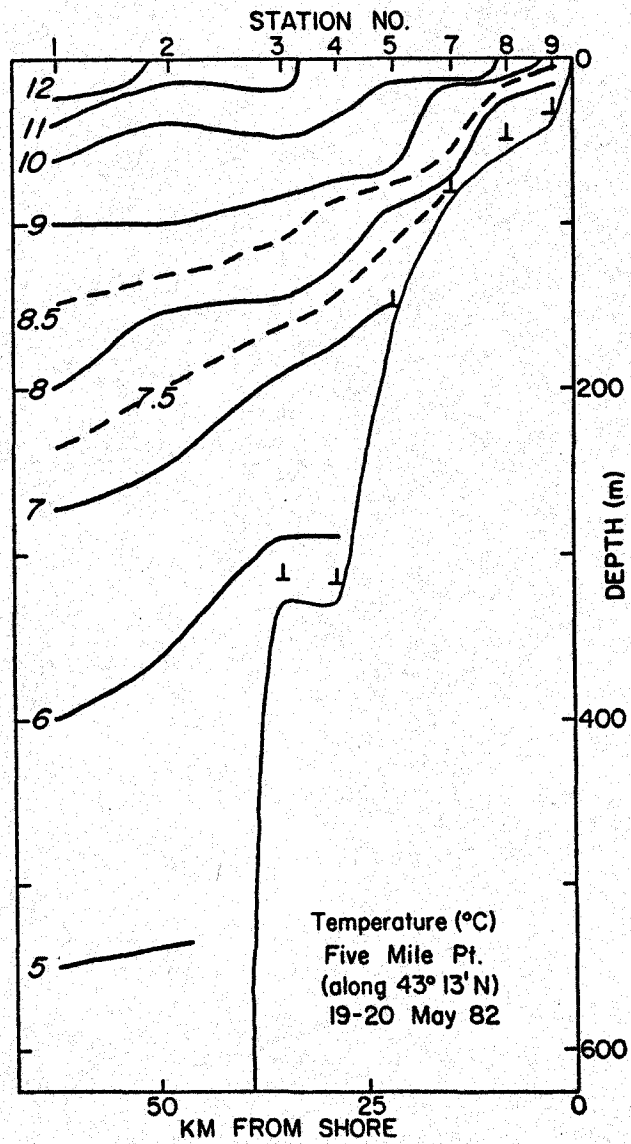
STA NO	Consecutive station number.
STATION	The CTD section name (initialed) and number of the station on the line (Refer to Figures 1 and 2).
LAT	Latitude in degrees and minutes north of the equator.
LONG	Longitude in degrees and minutes west of Greenwich.
DATE	Day/Month/Year.
TIME	Time in Greenwich Mean Time.

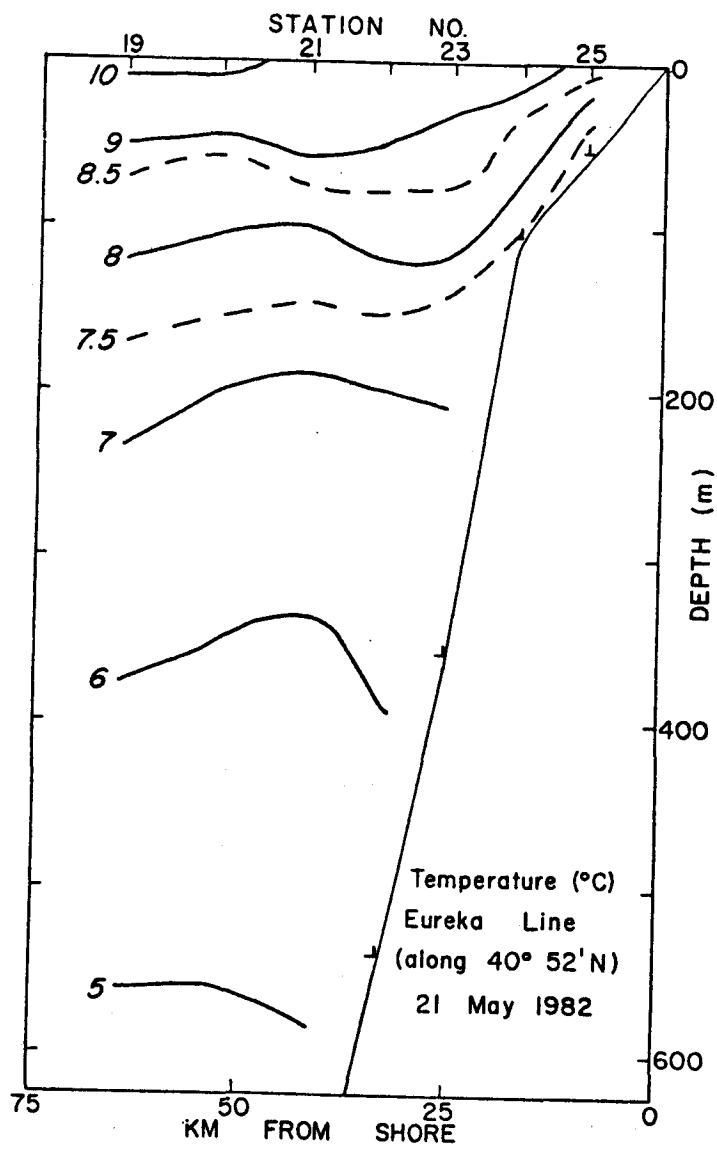
PROBE CTD probe number.

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).

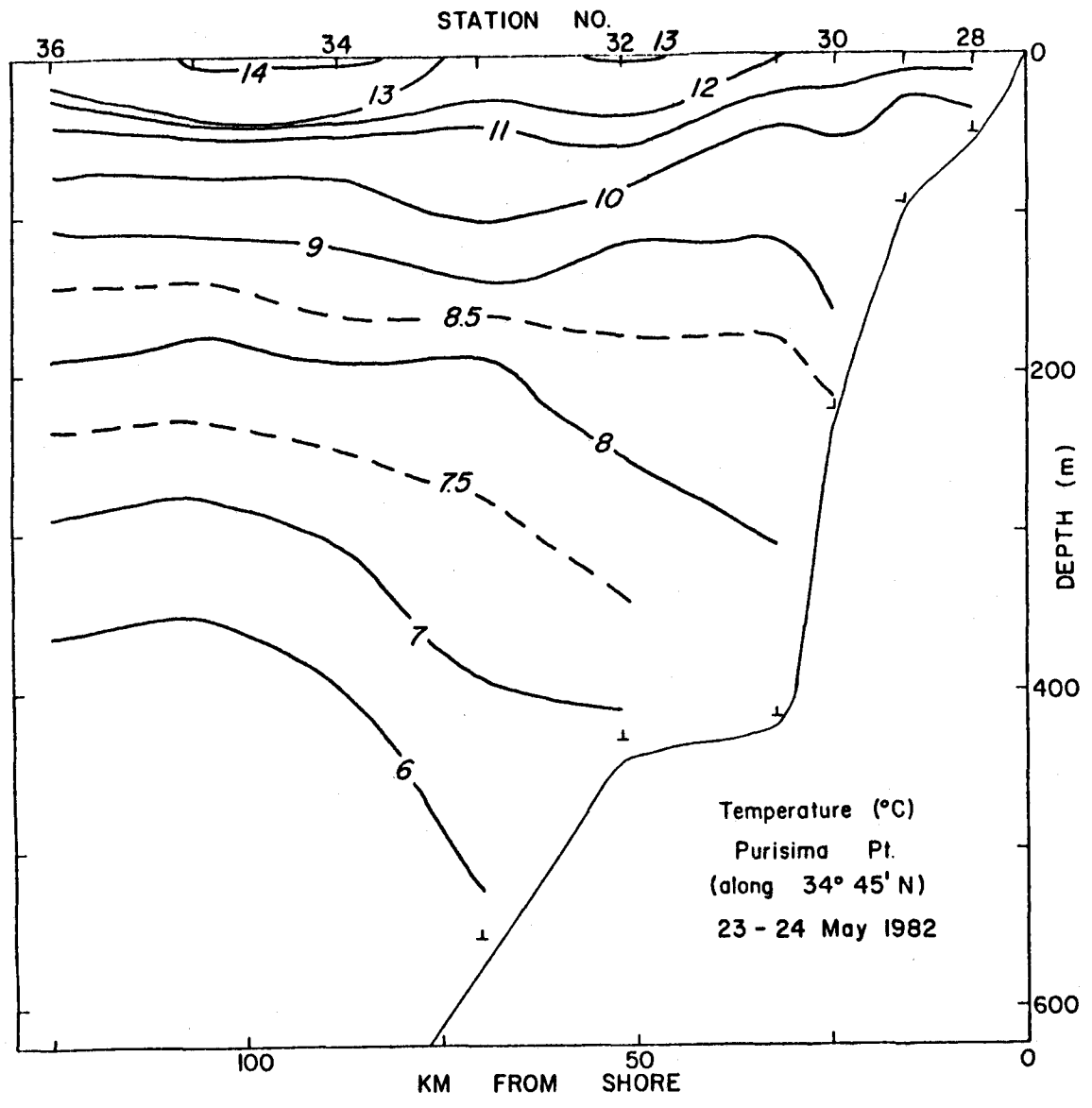
The data listing for each station gives values at standard pressures including observed and calculated parameters at the shallowest and deepest observations levels. Temperature (TEMP), salinity (SAL), potential temperature (POTEN TEMP), sigma-theta (SIGMA THETA), specific volume anomaly  $\times 10^5$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

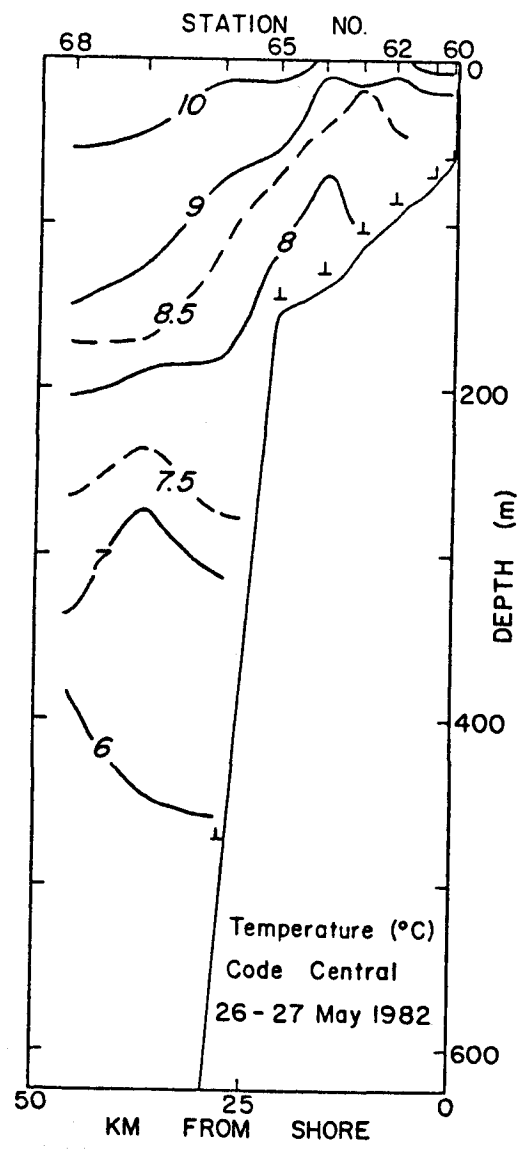
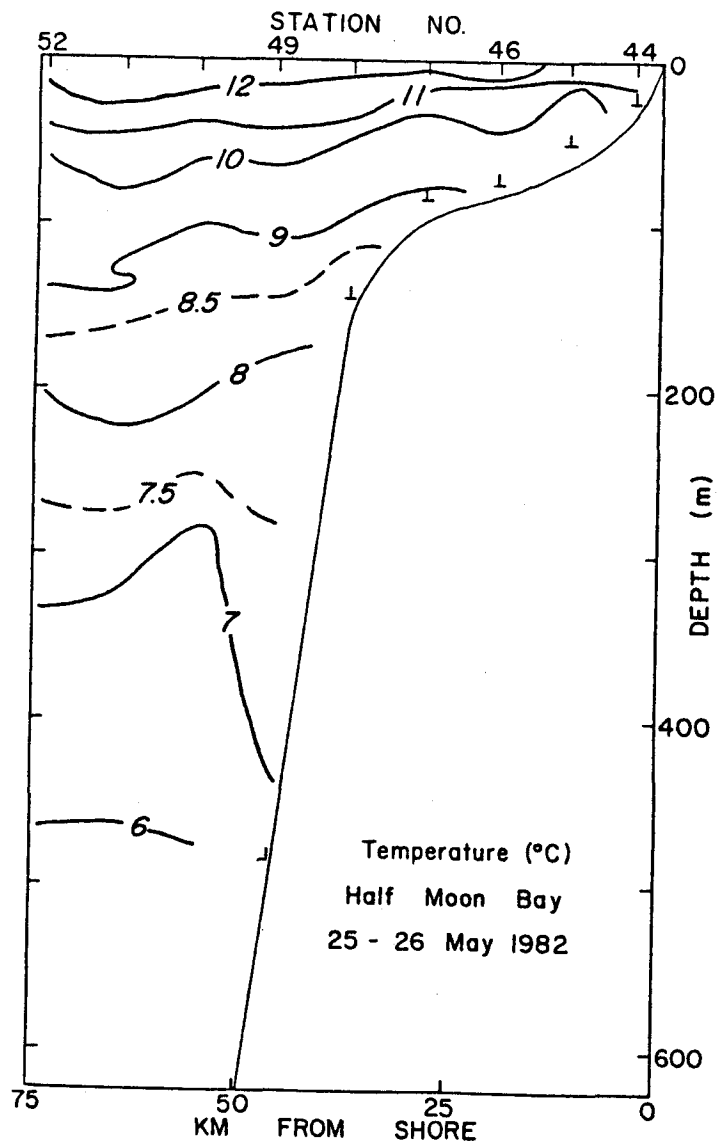
**VERTICAL SECTIONS**

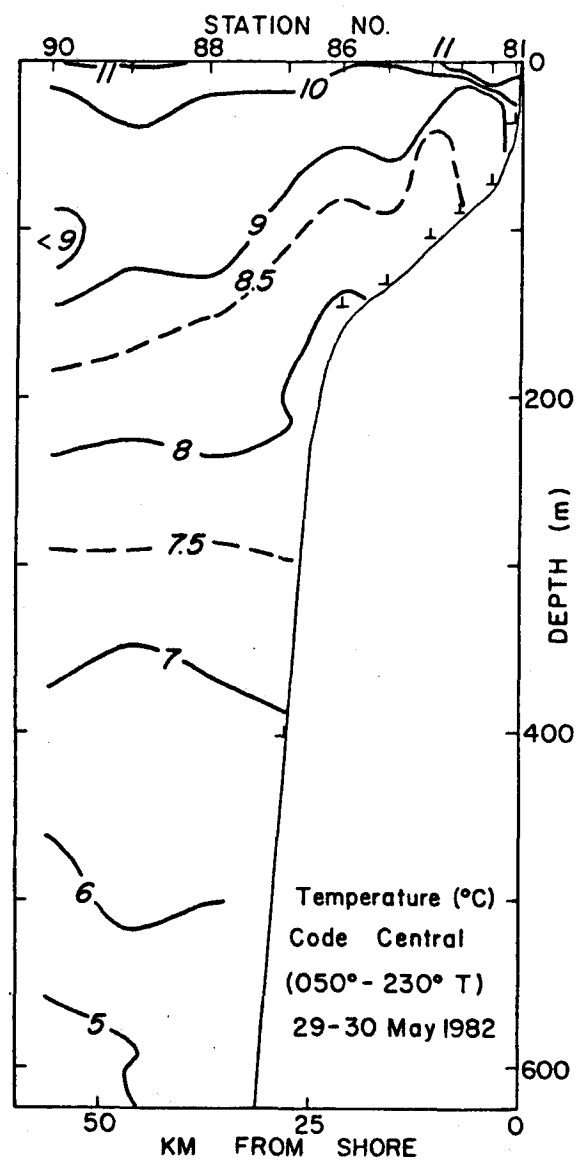
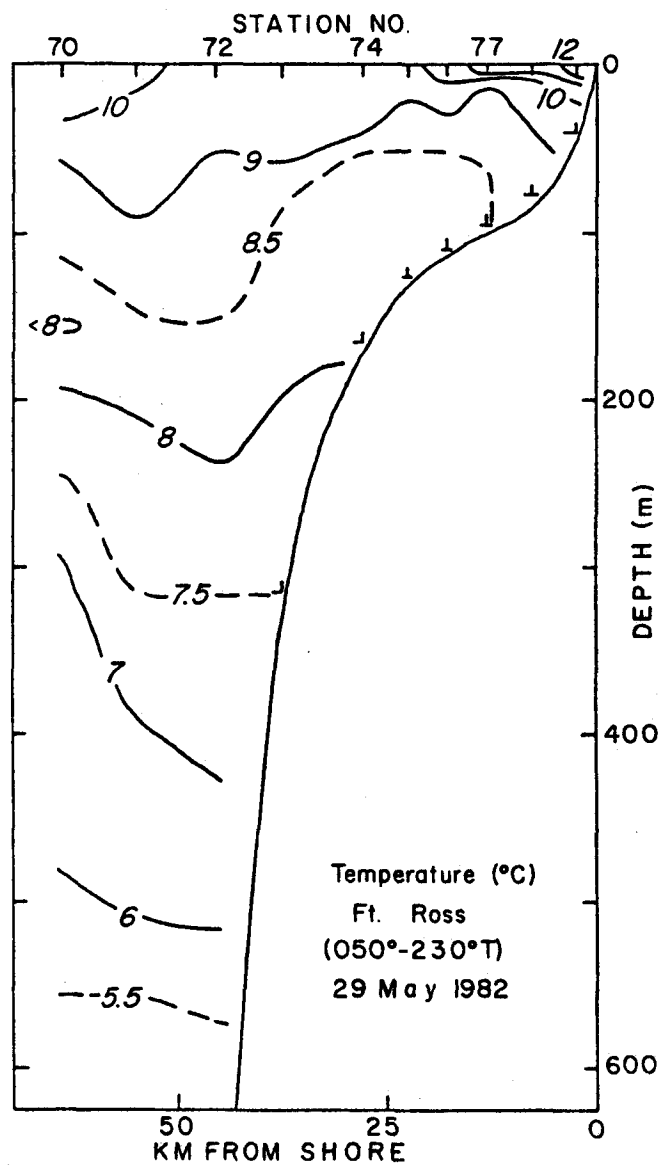


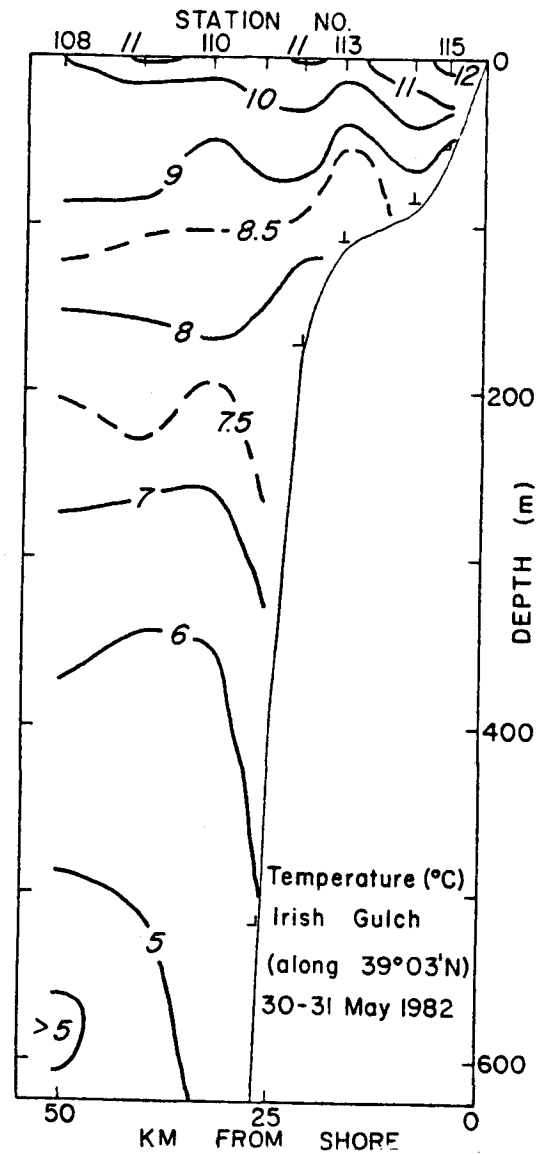
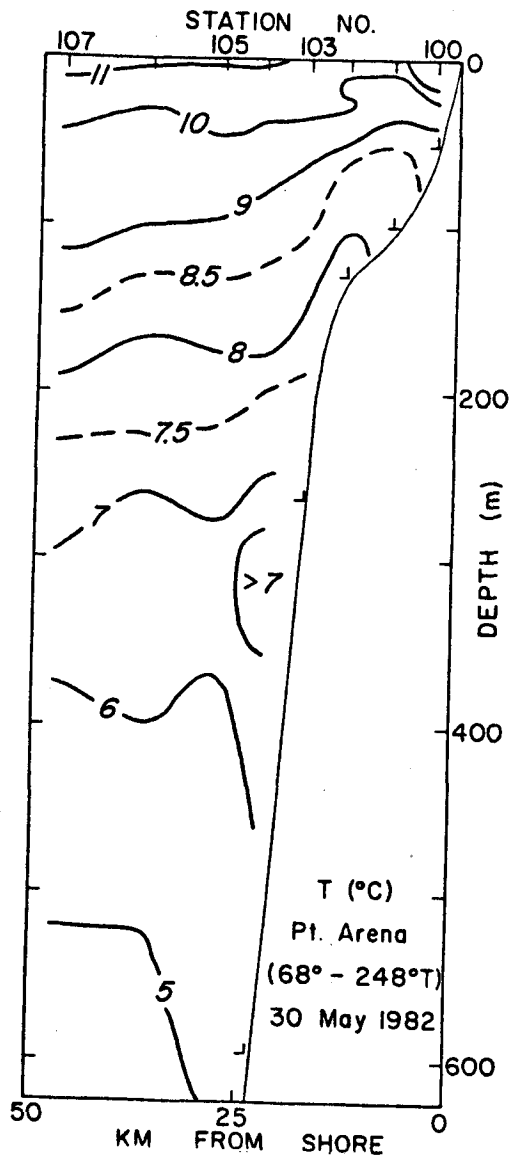
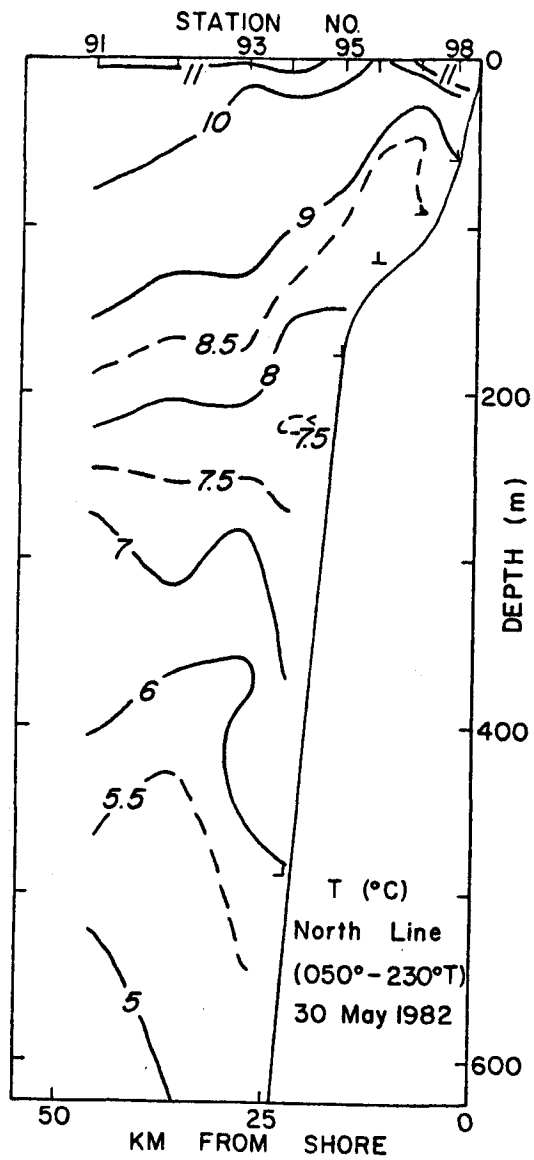


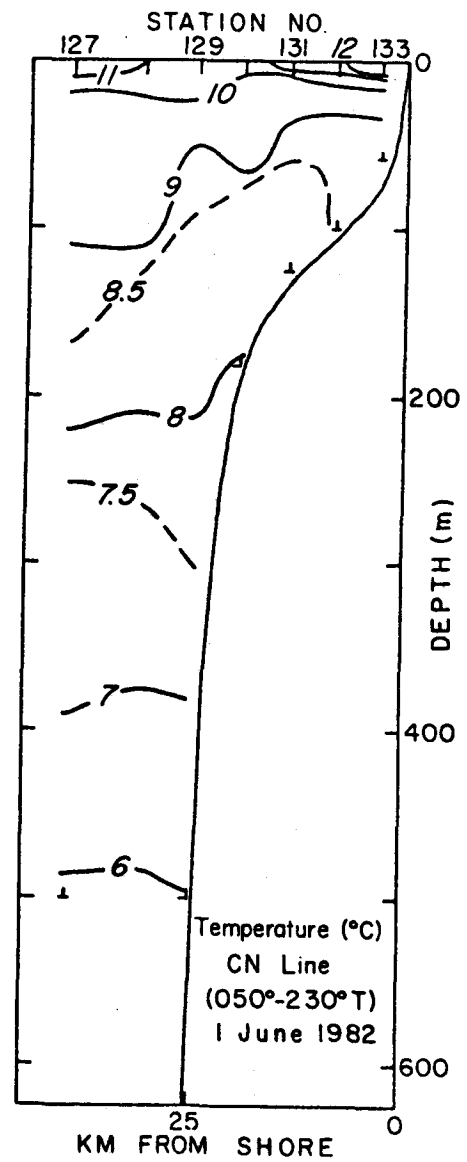
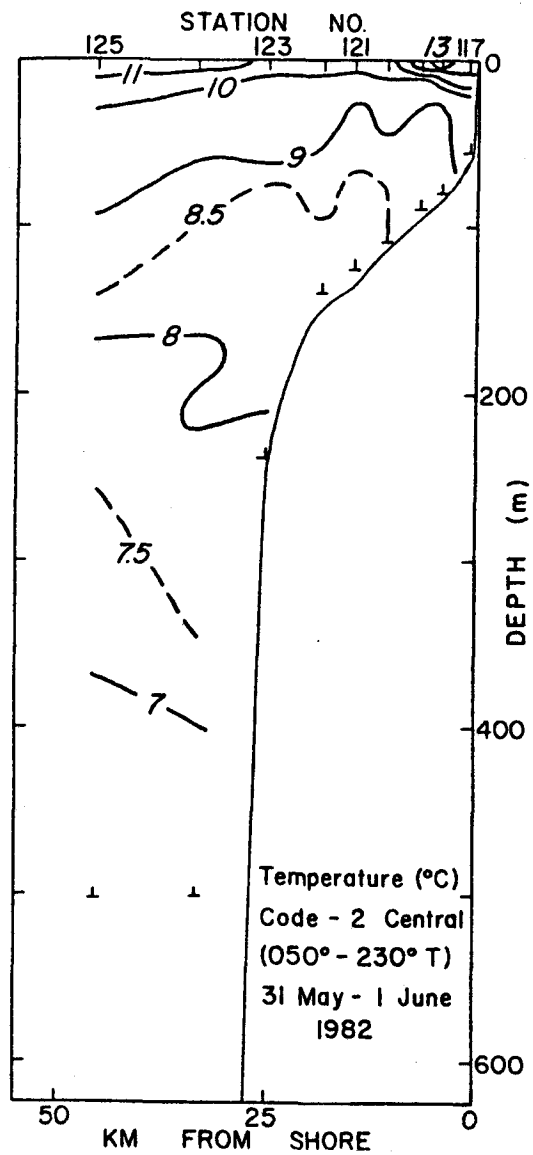


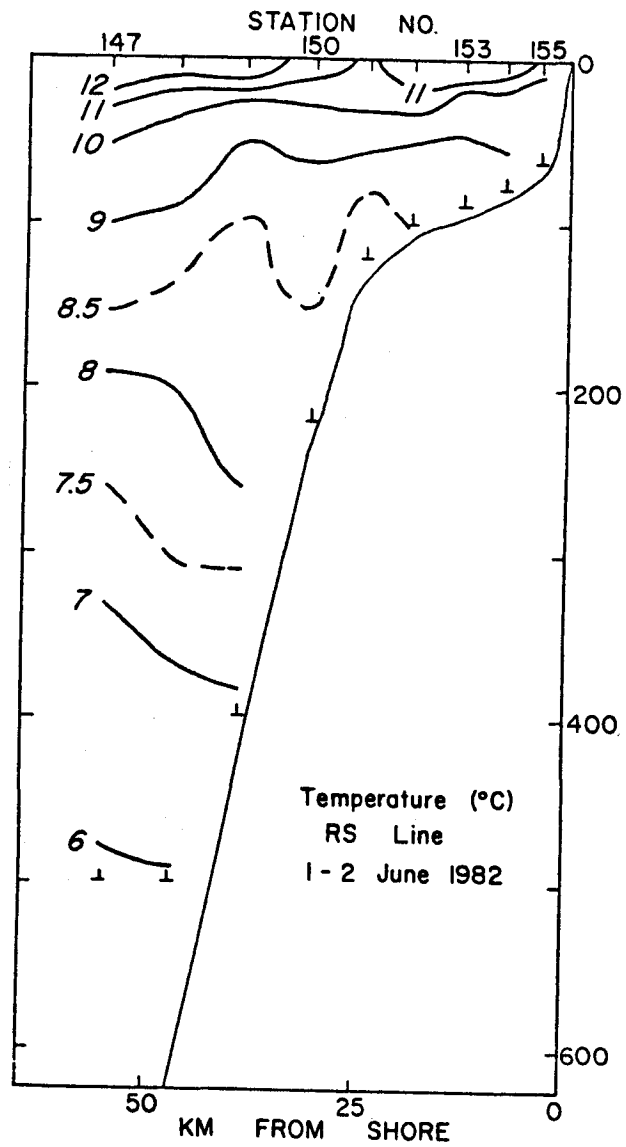
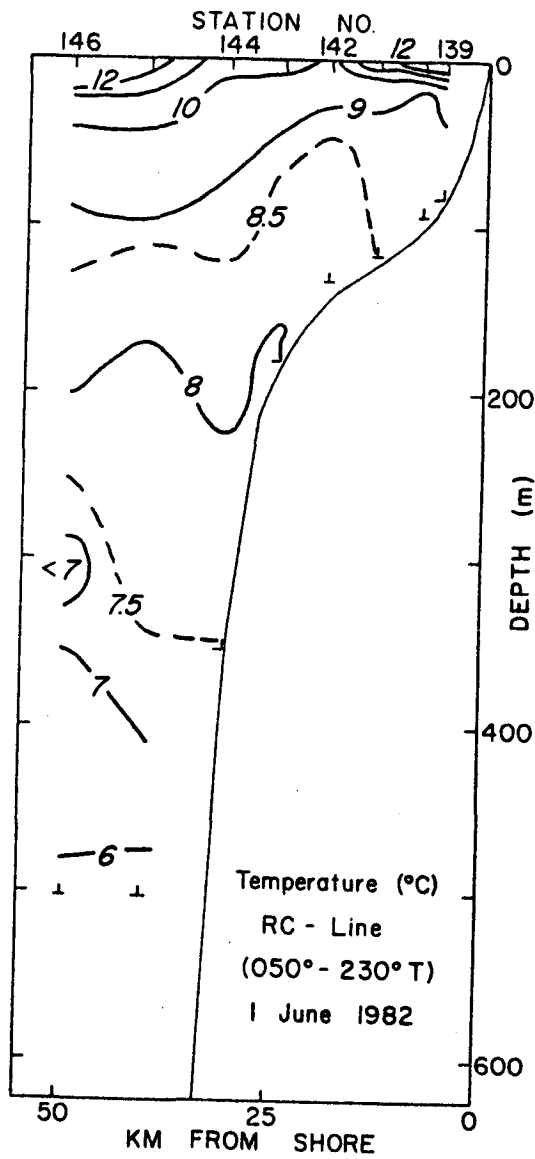


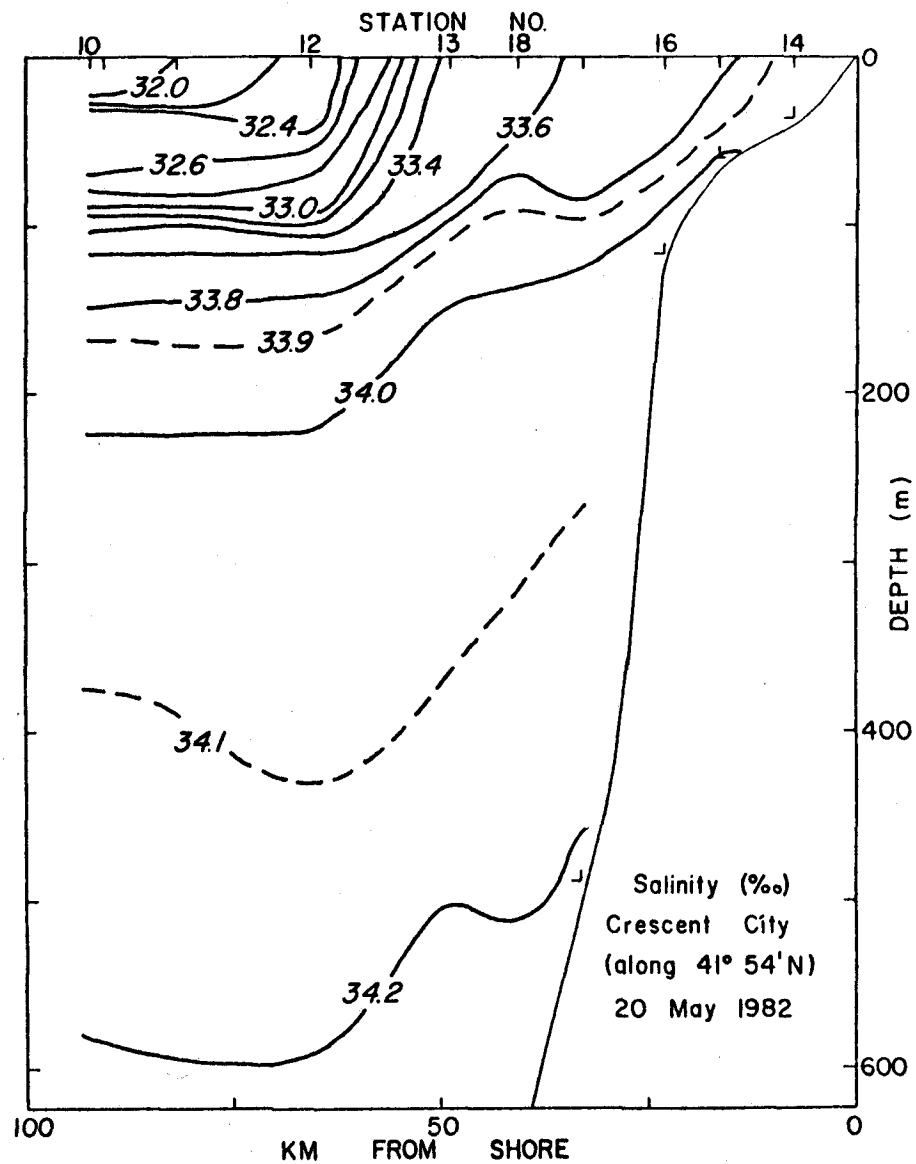
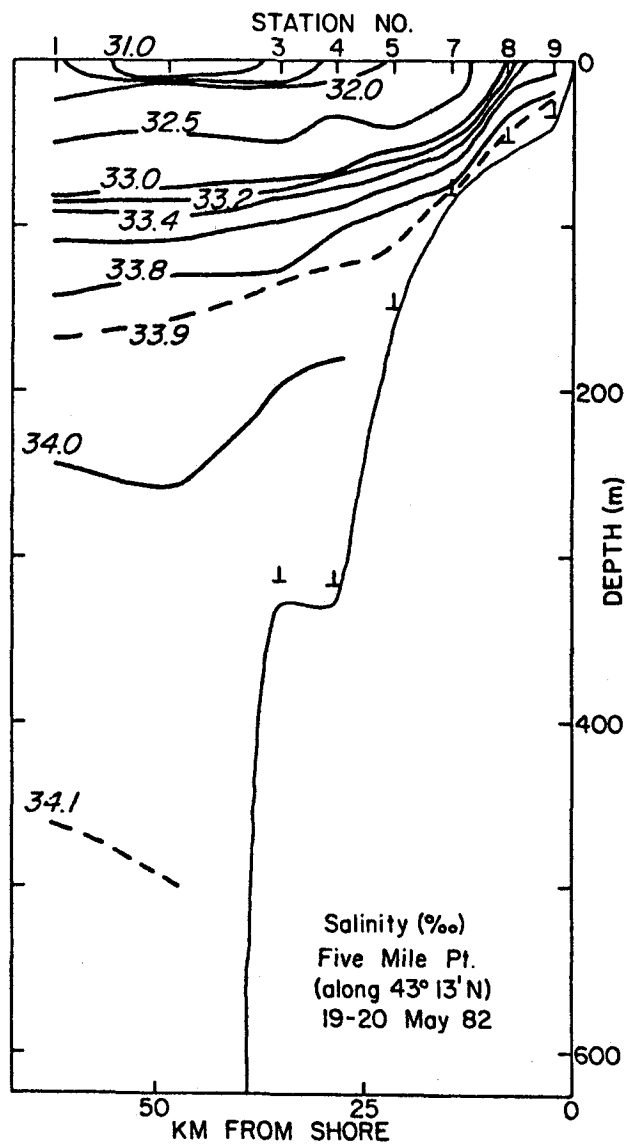


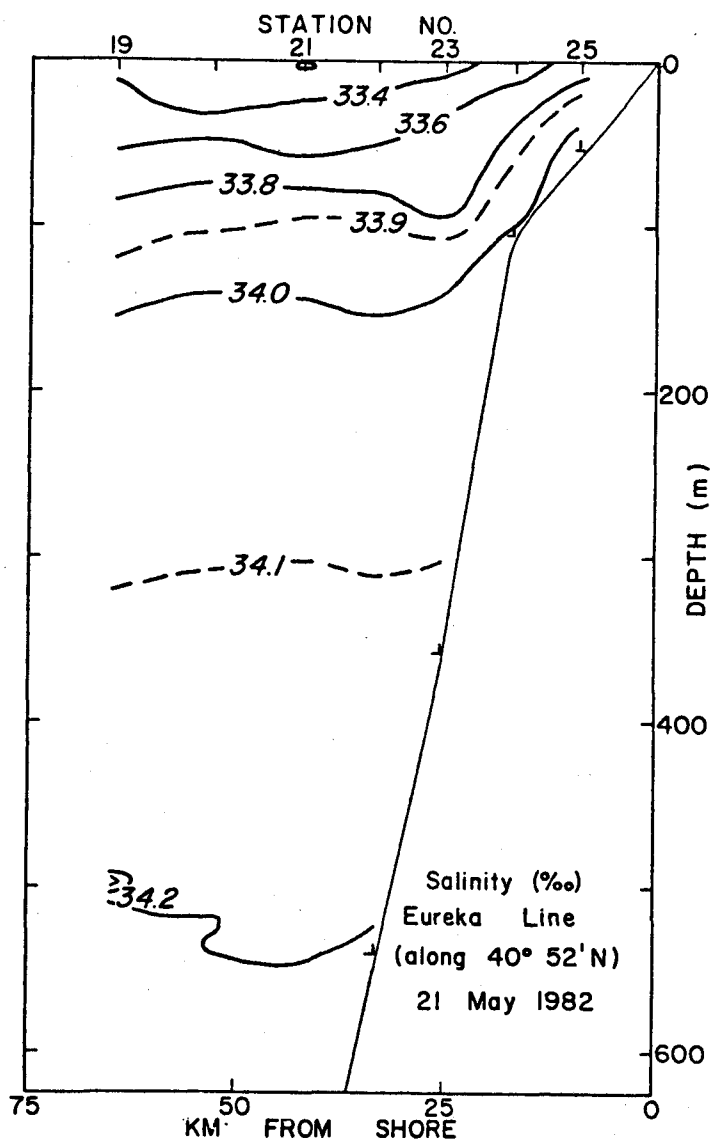






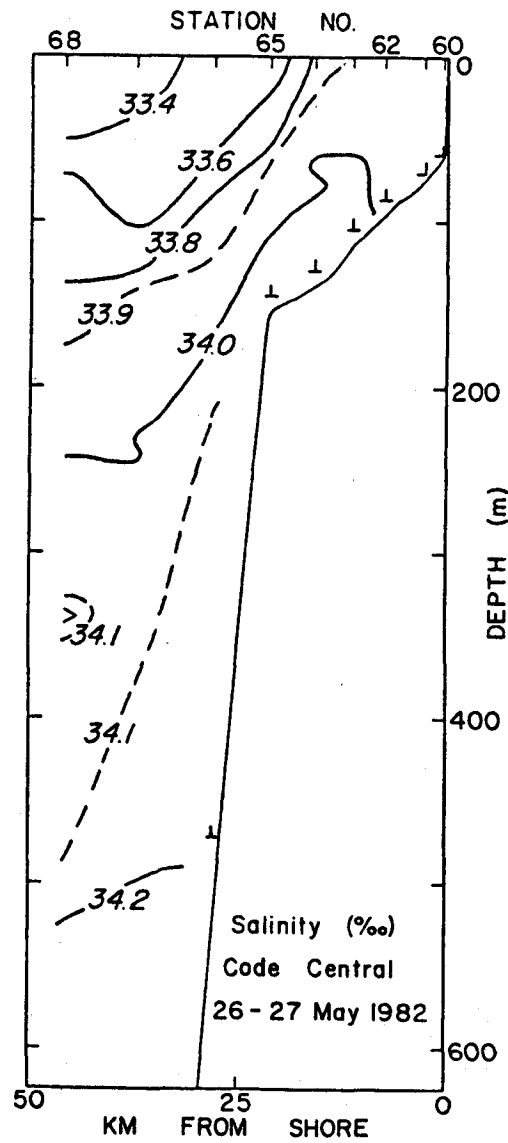
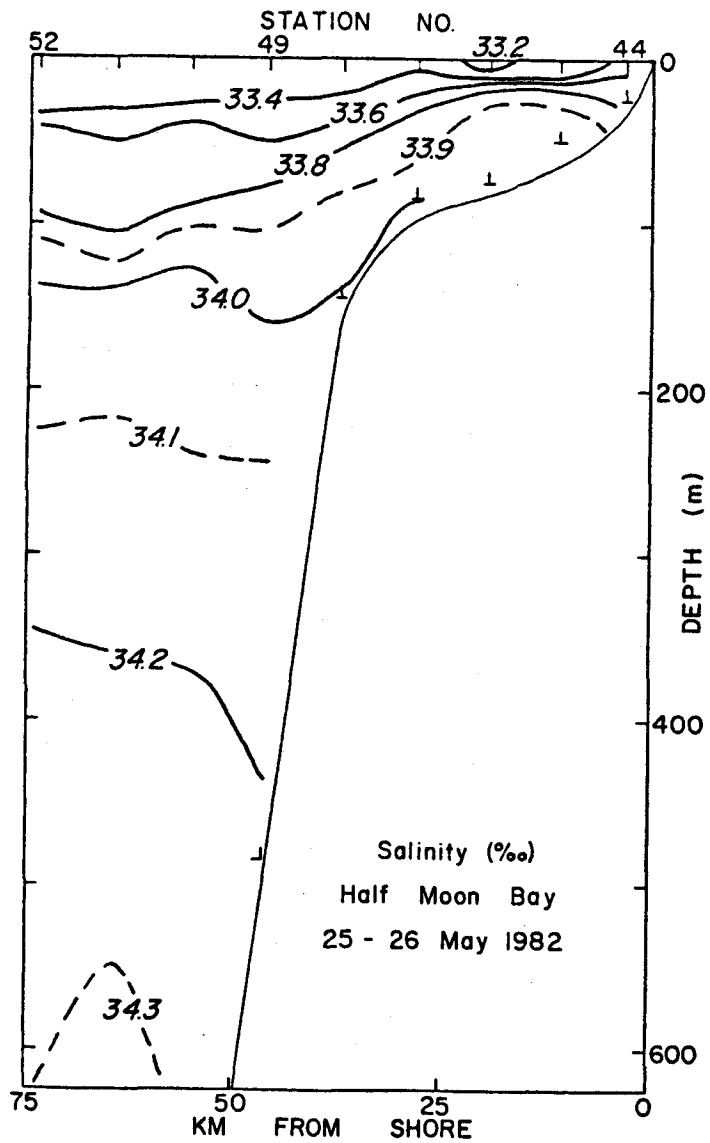


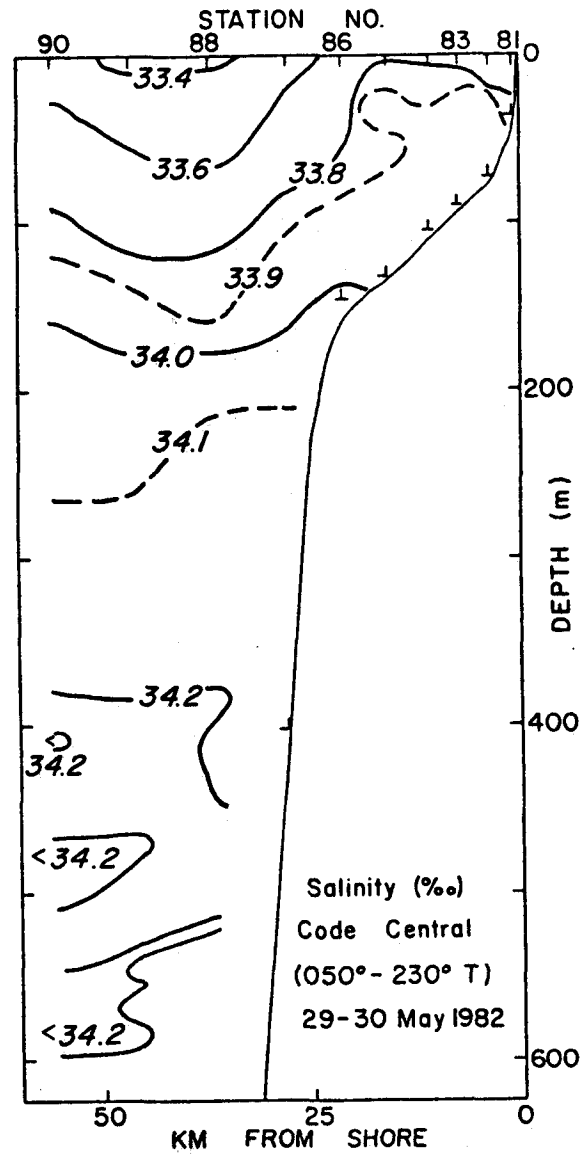
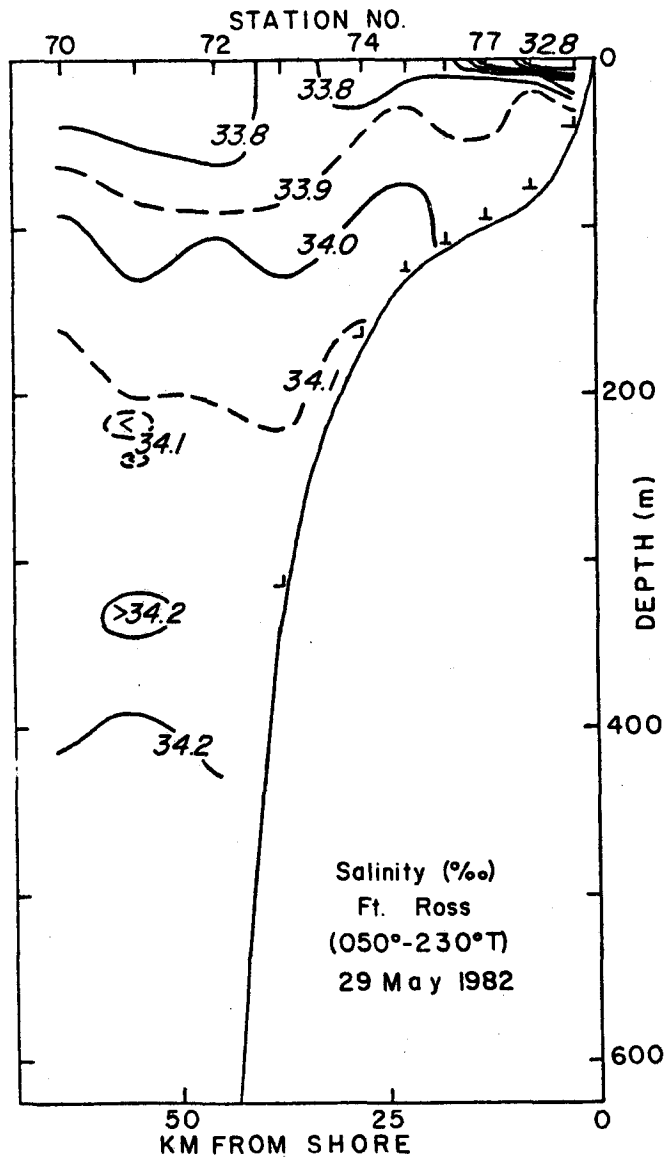


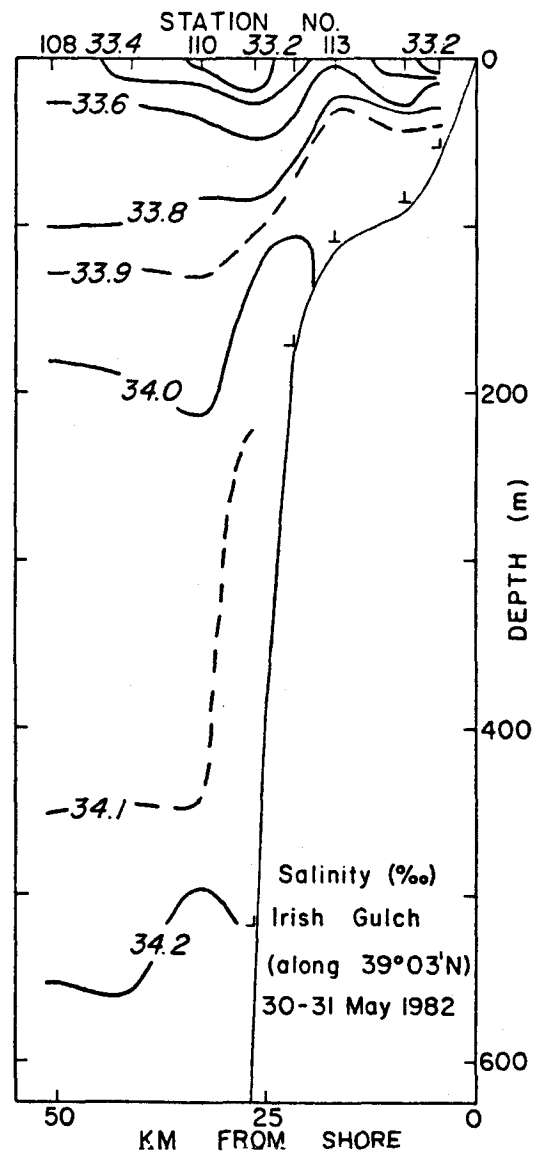
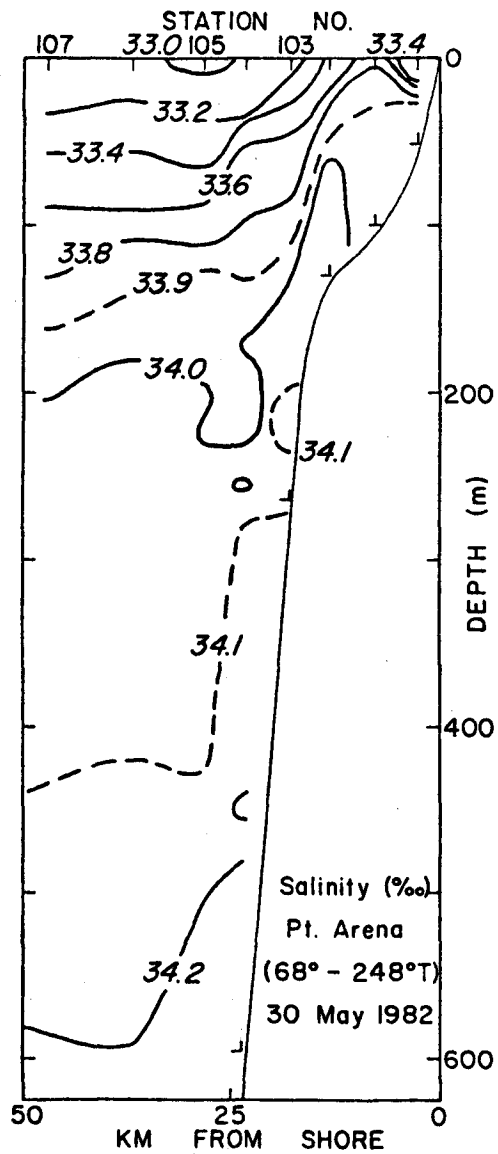
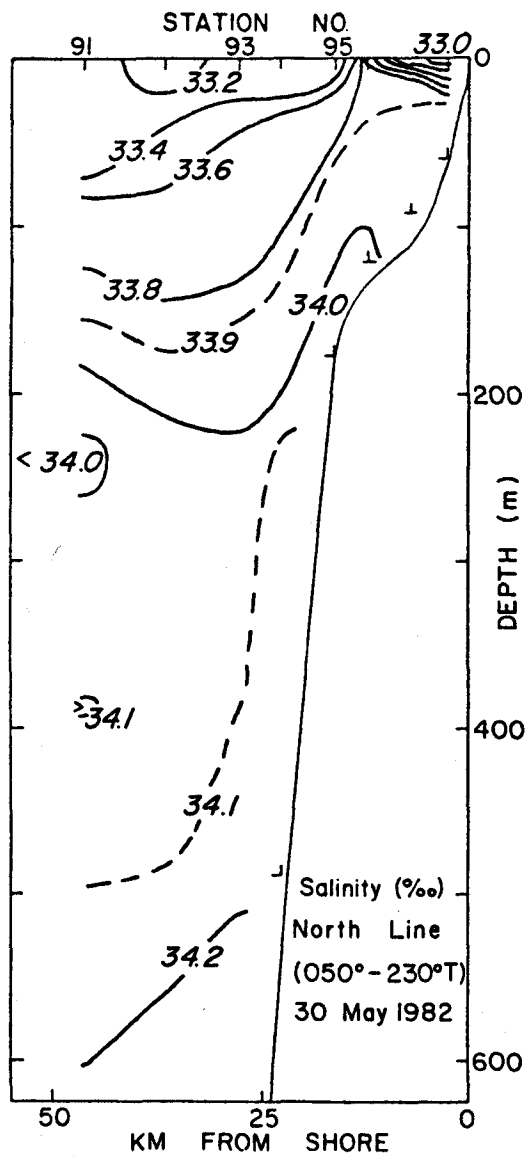


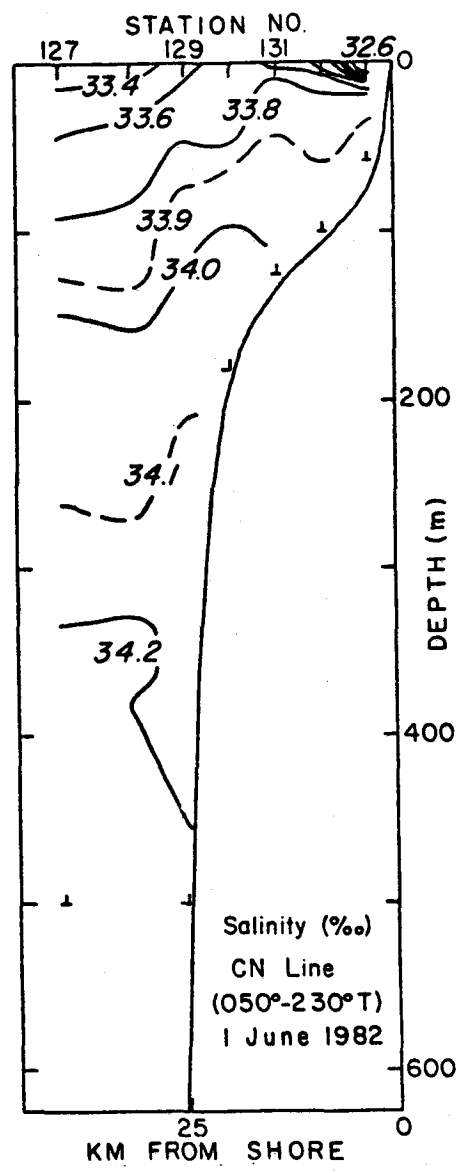
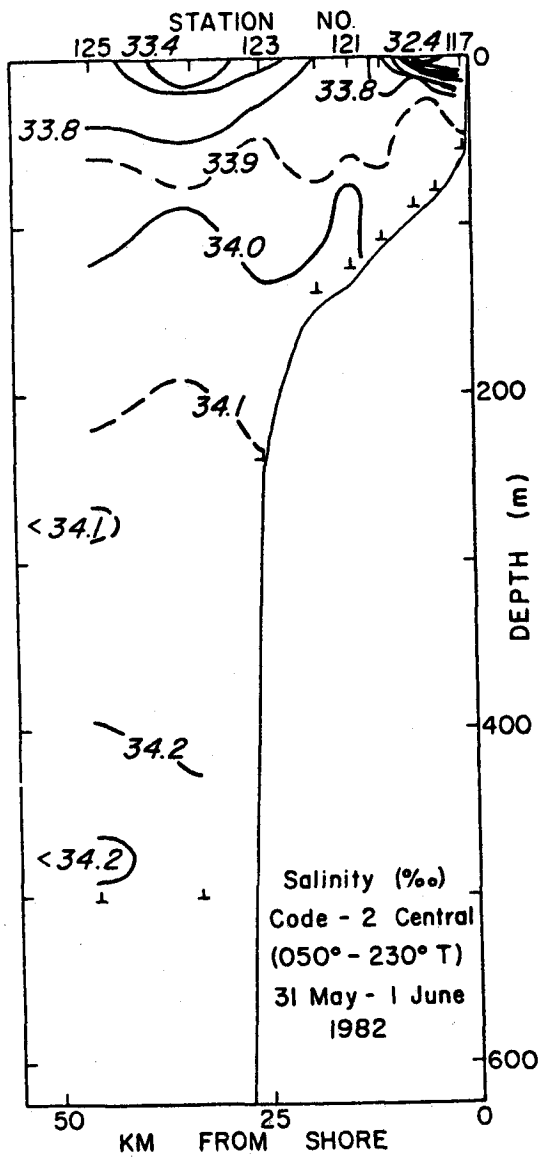


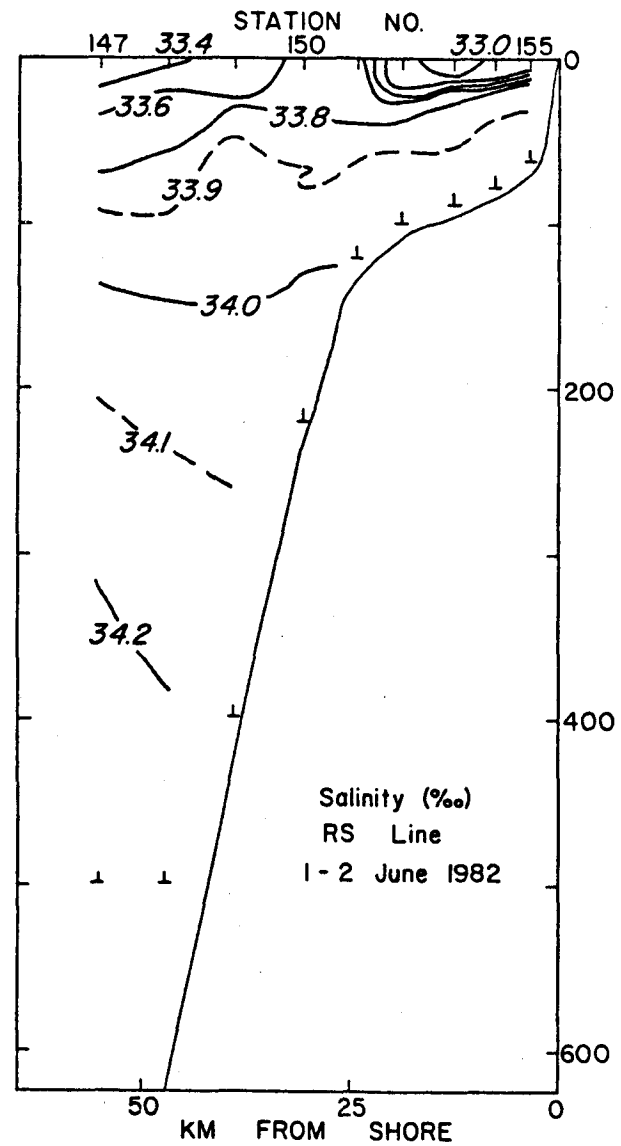
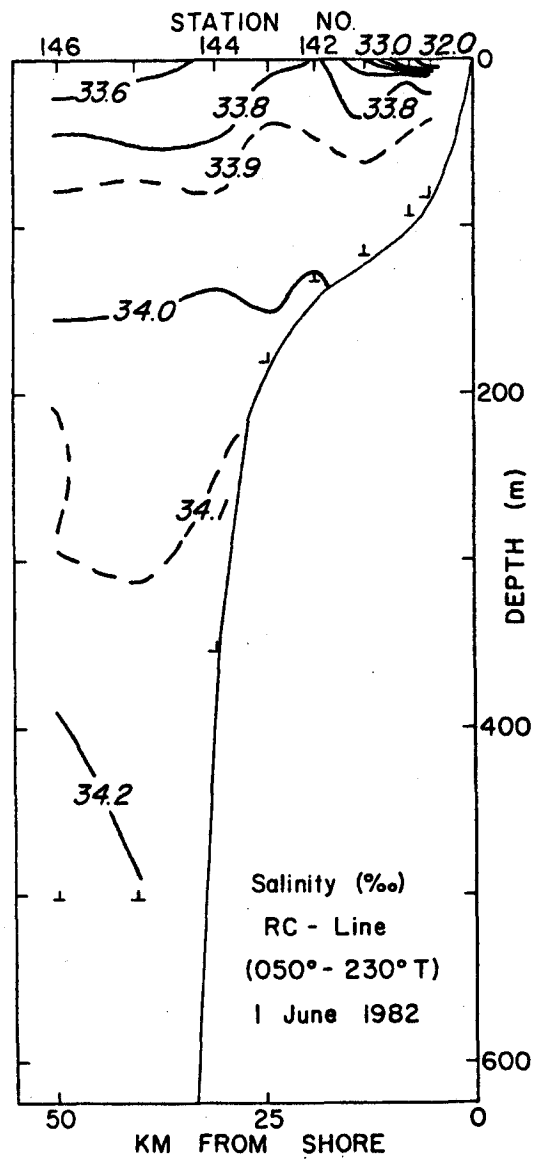


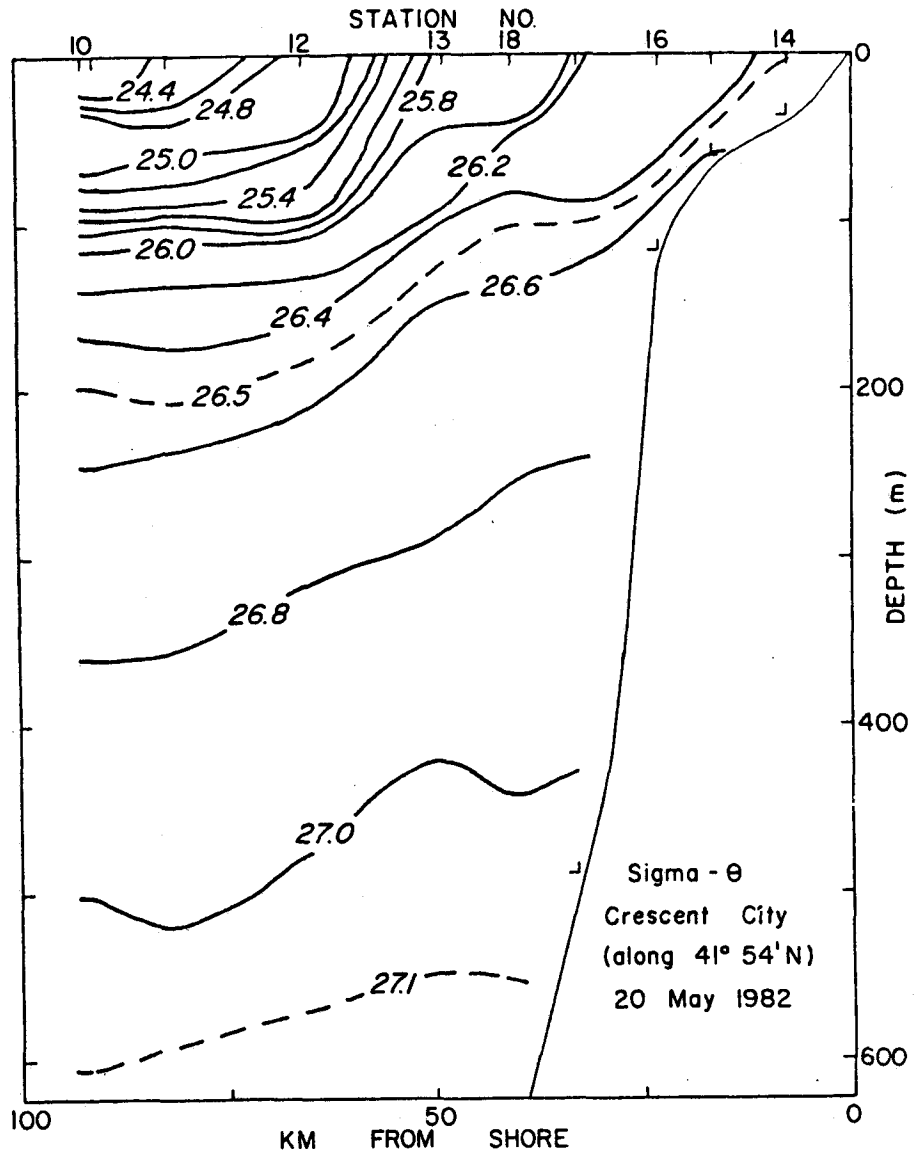
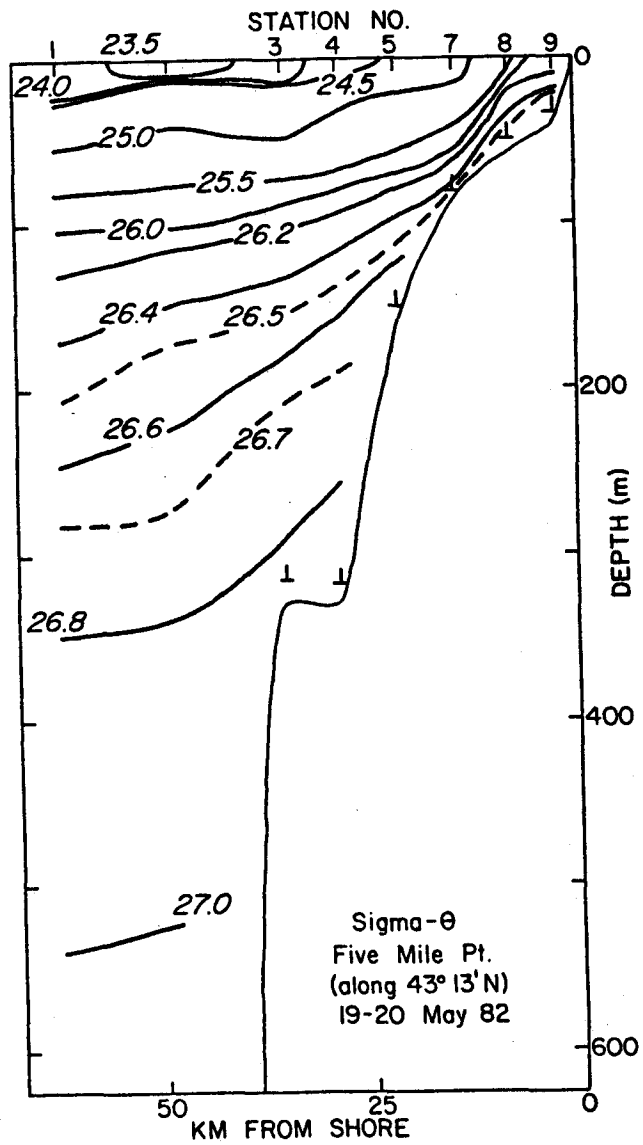


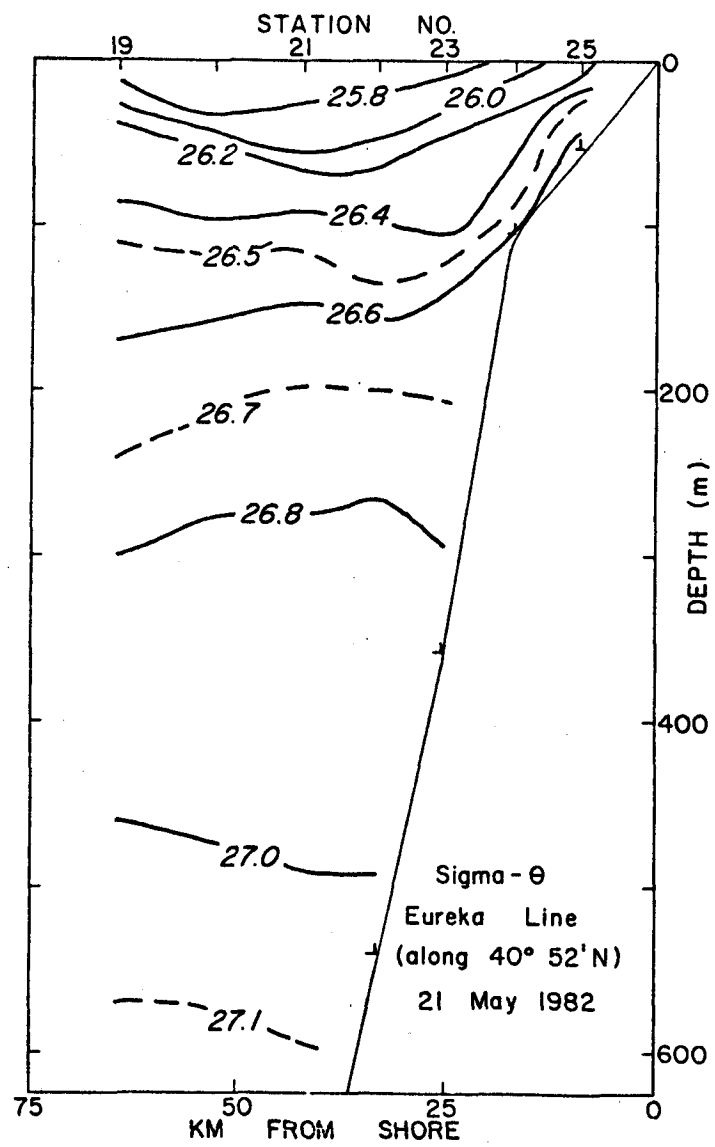




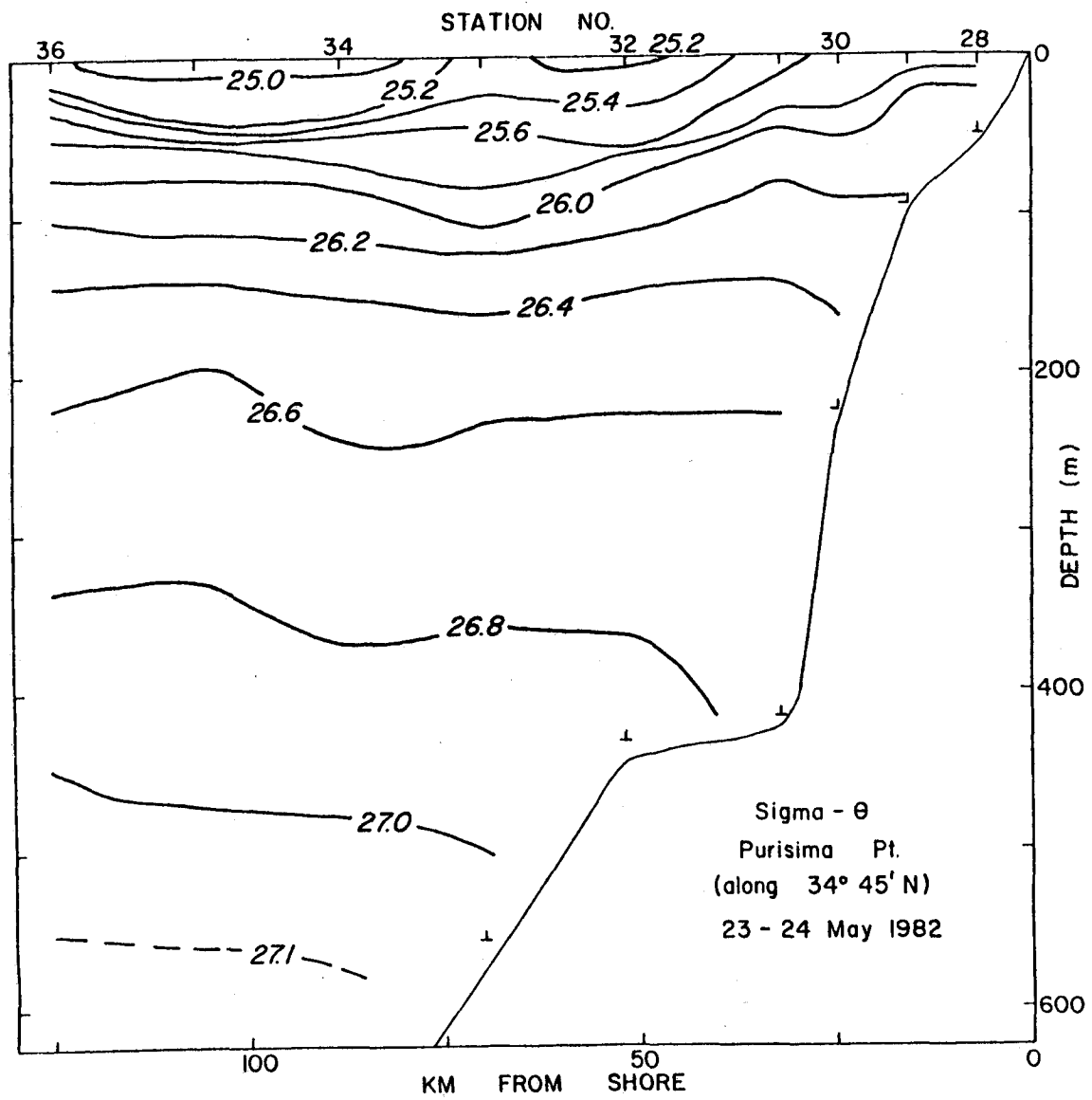


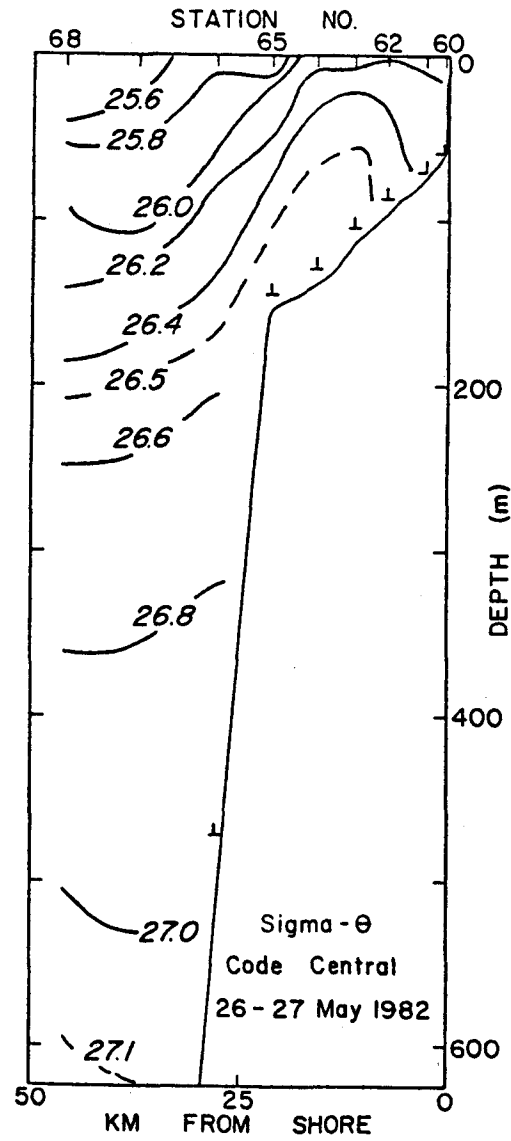
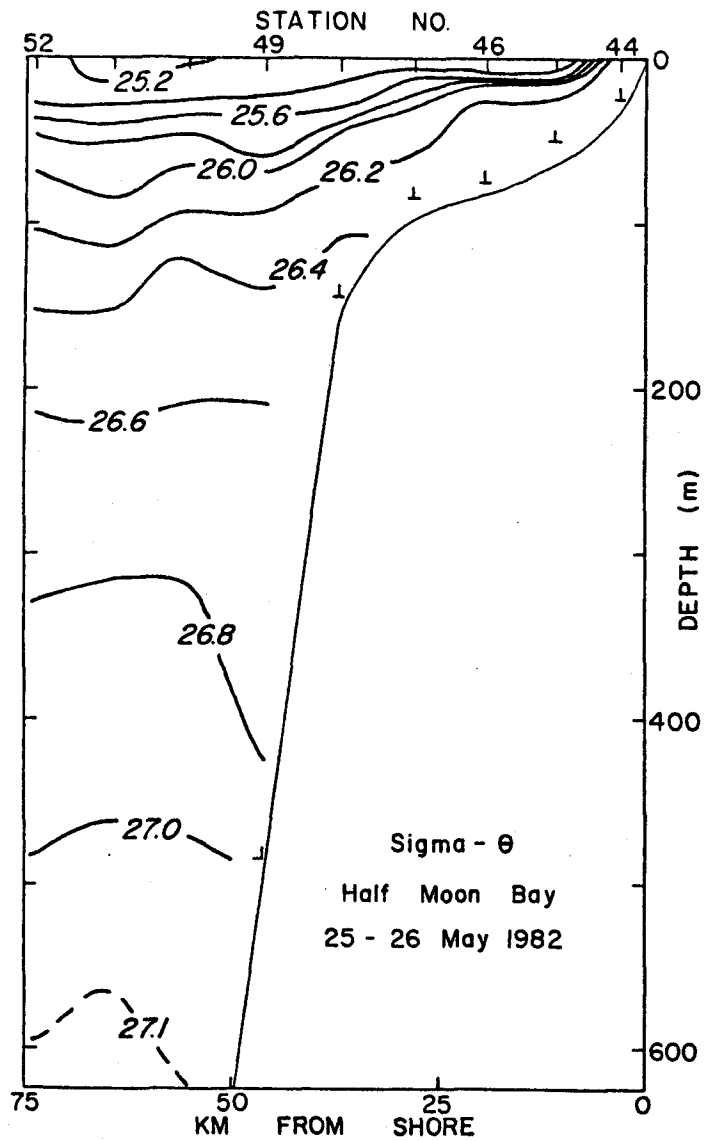


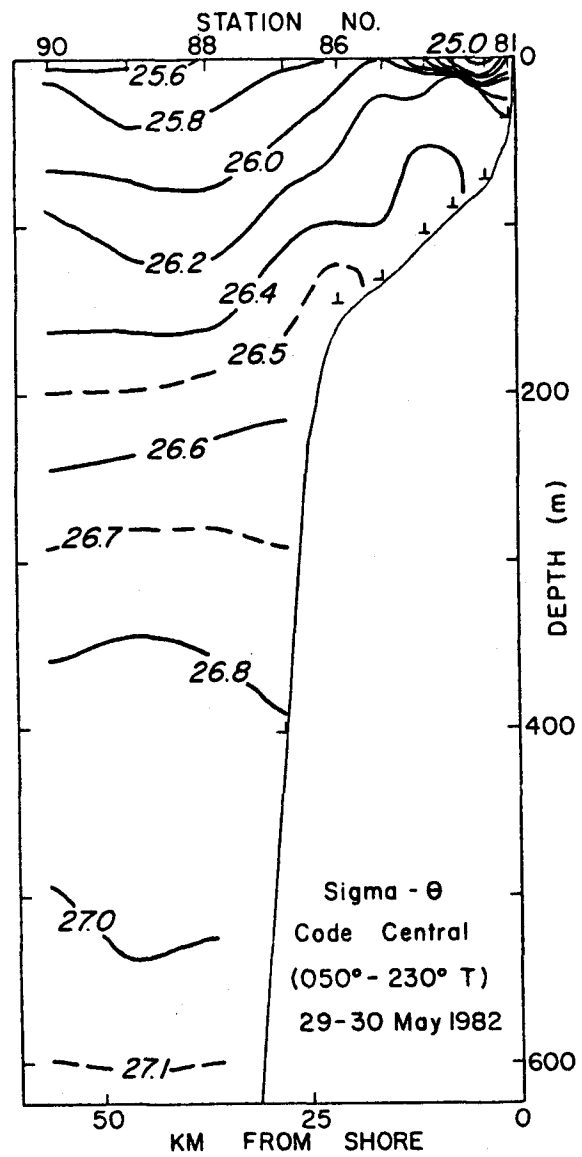
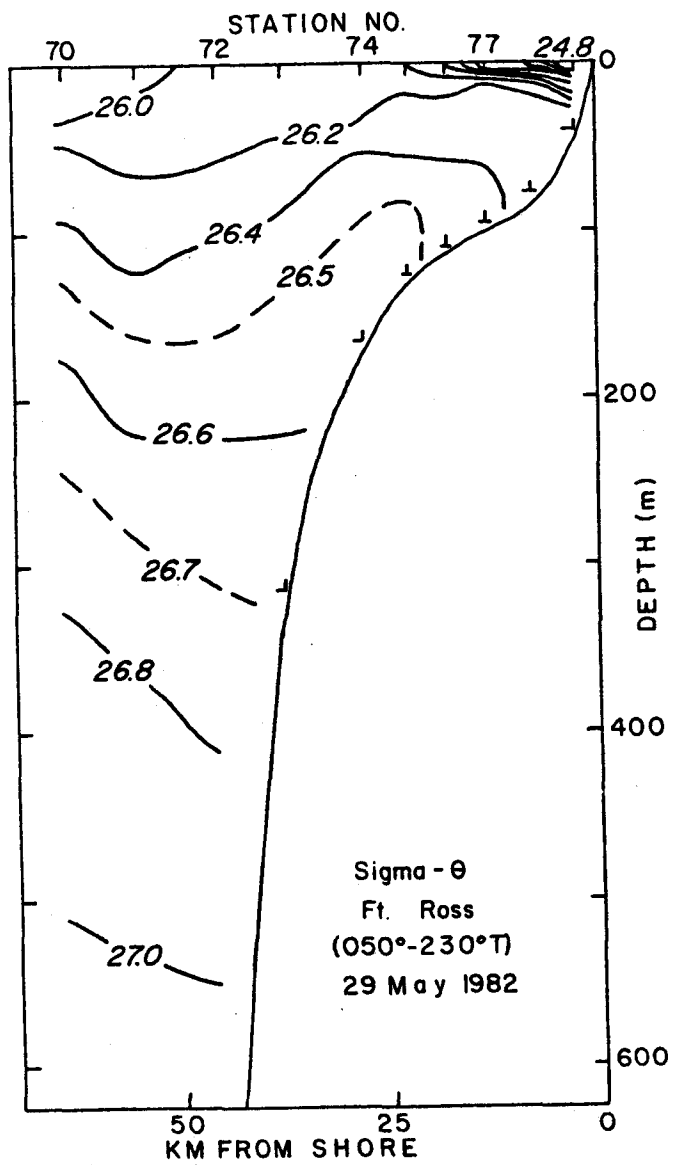


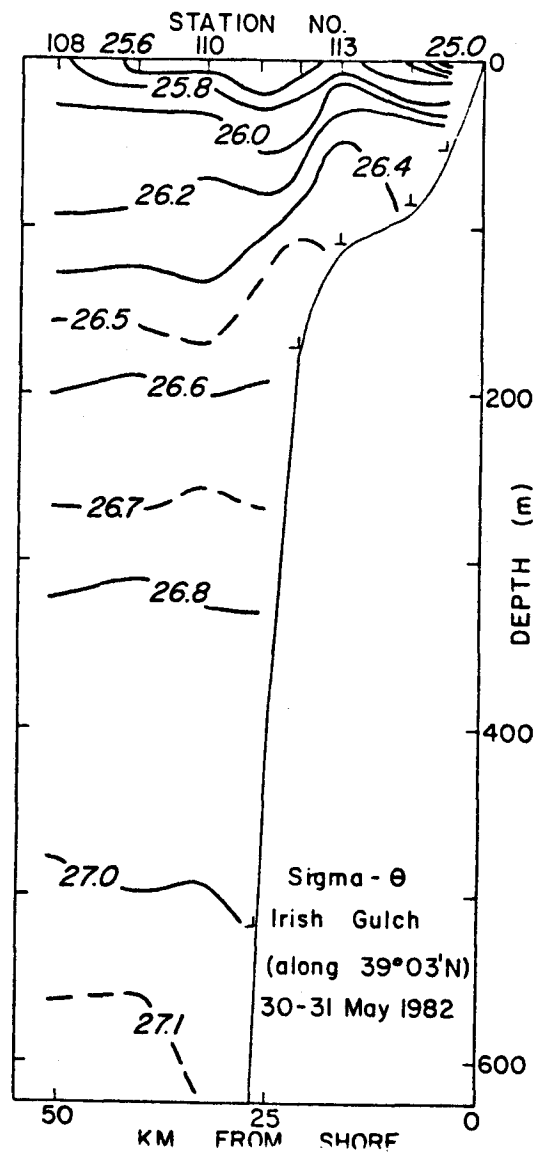
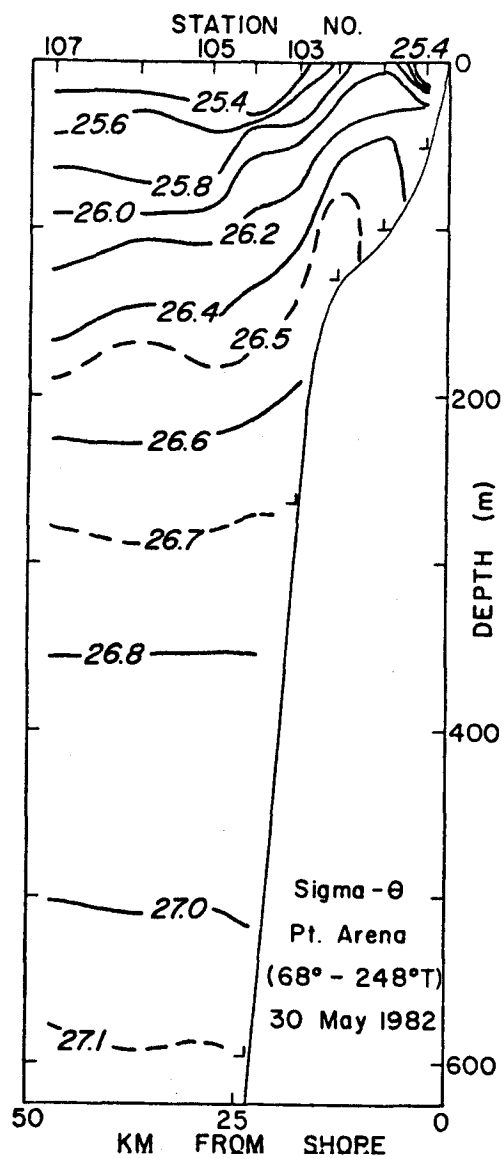
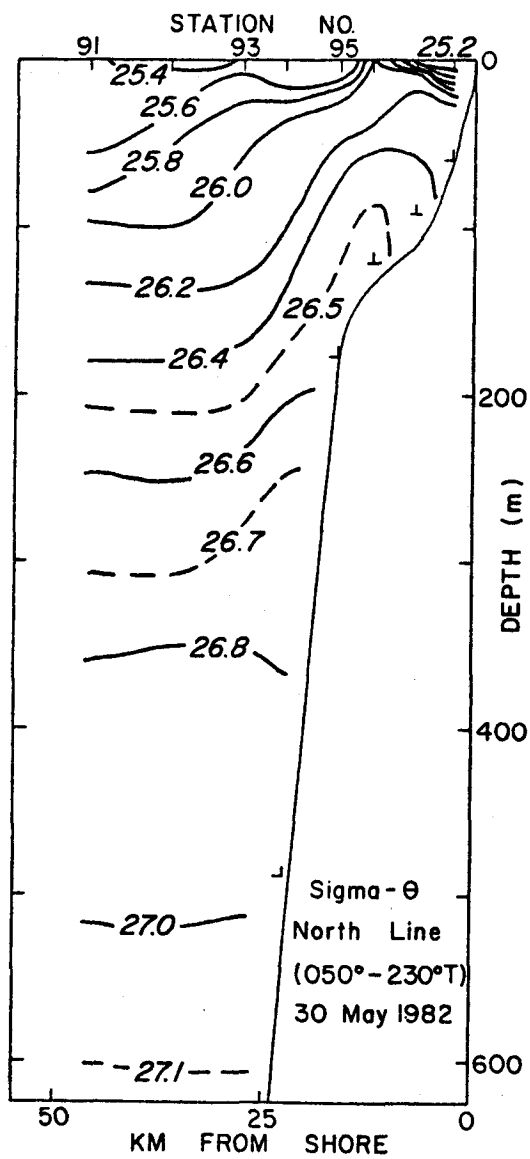


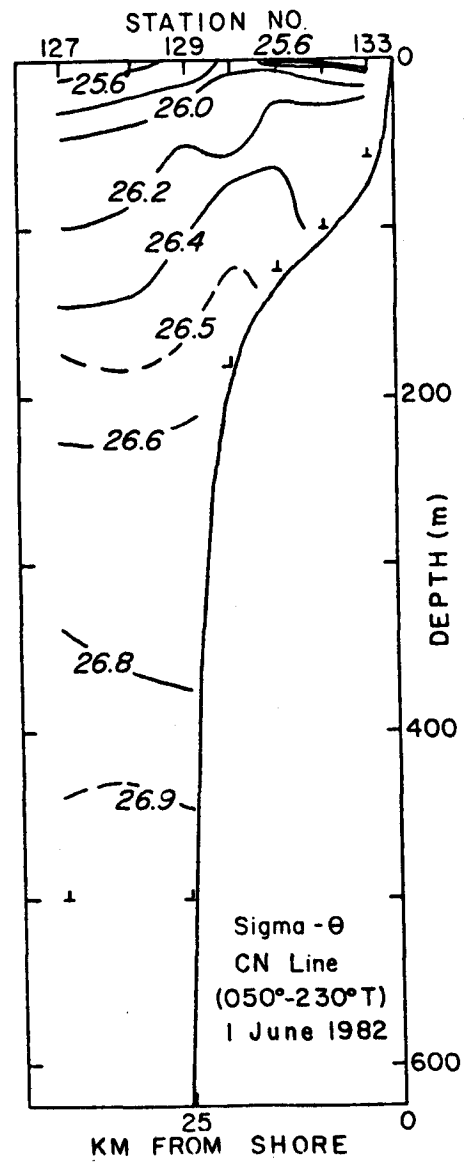
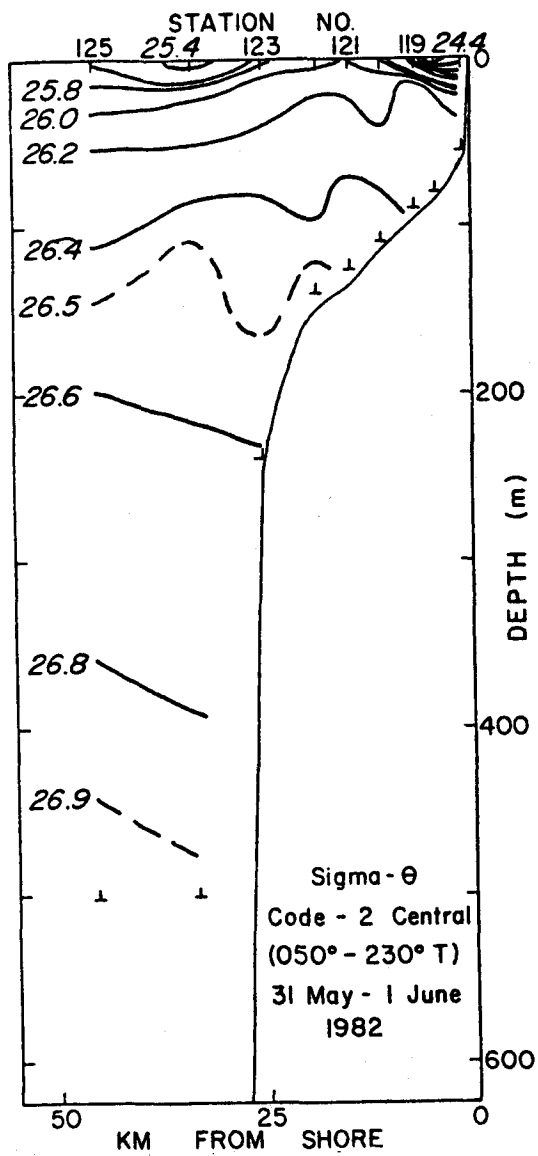


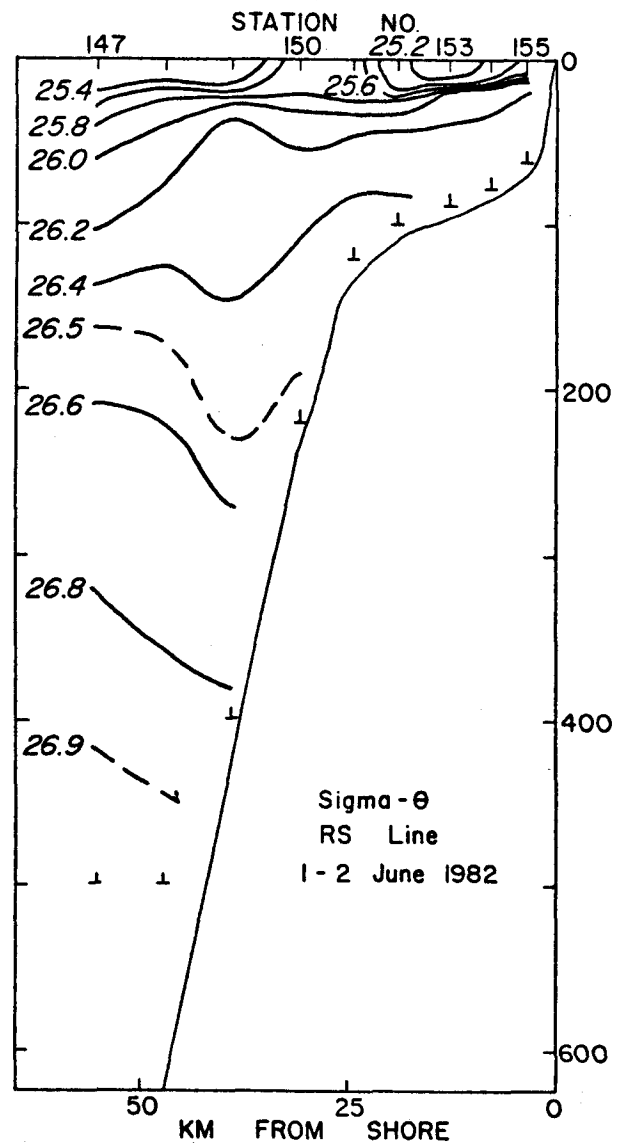
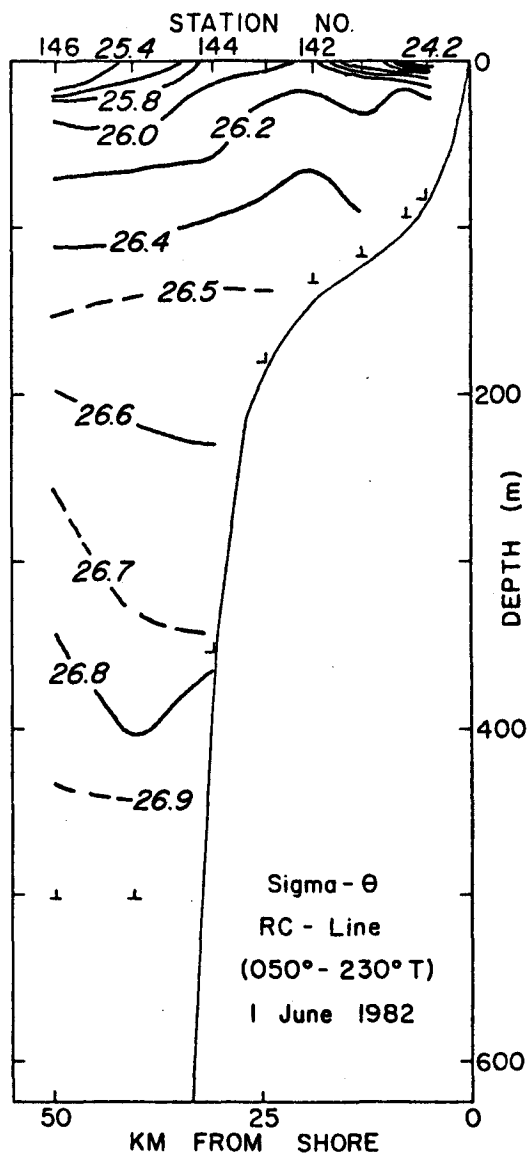




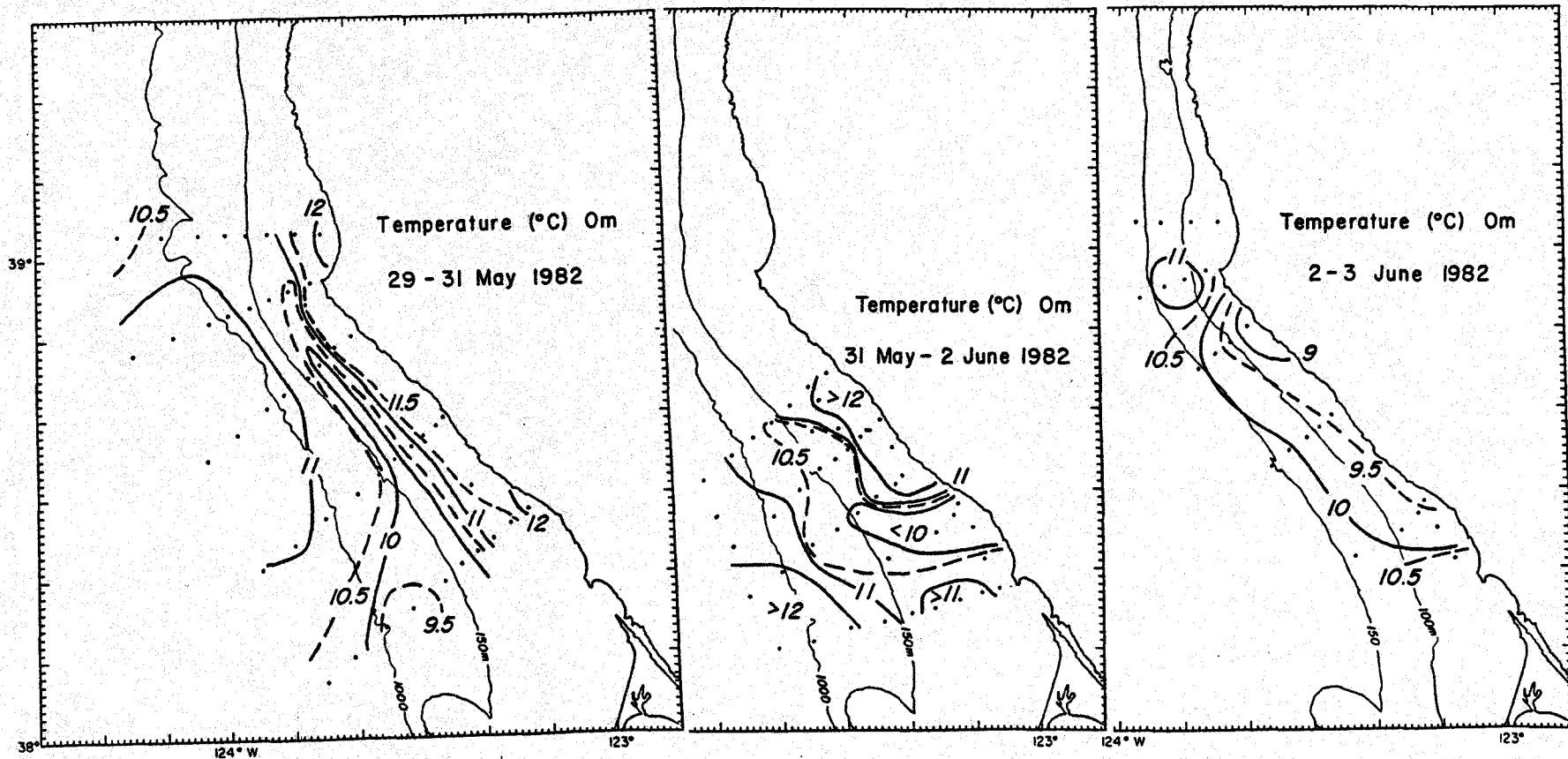




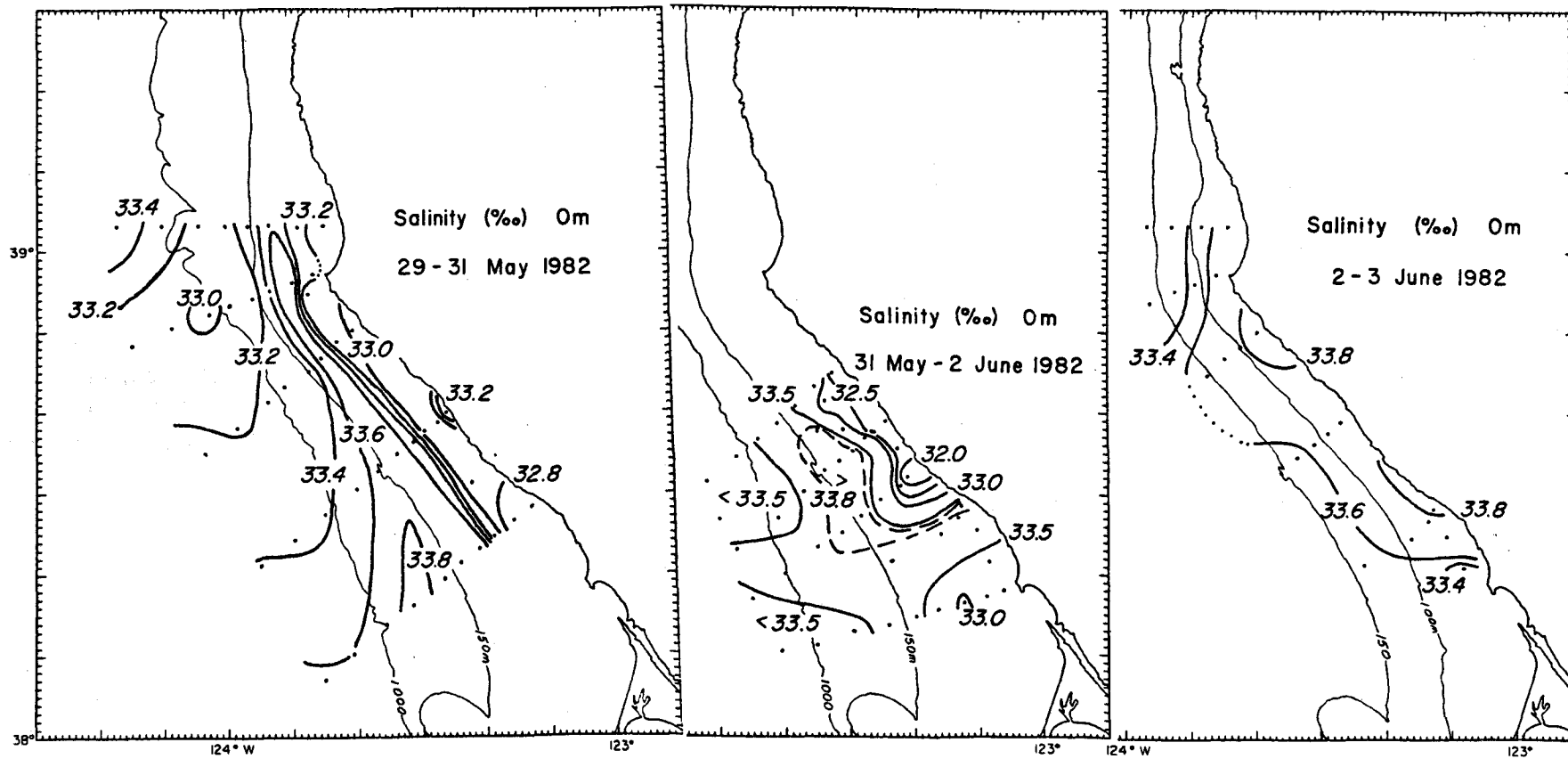


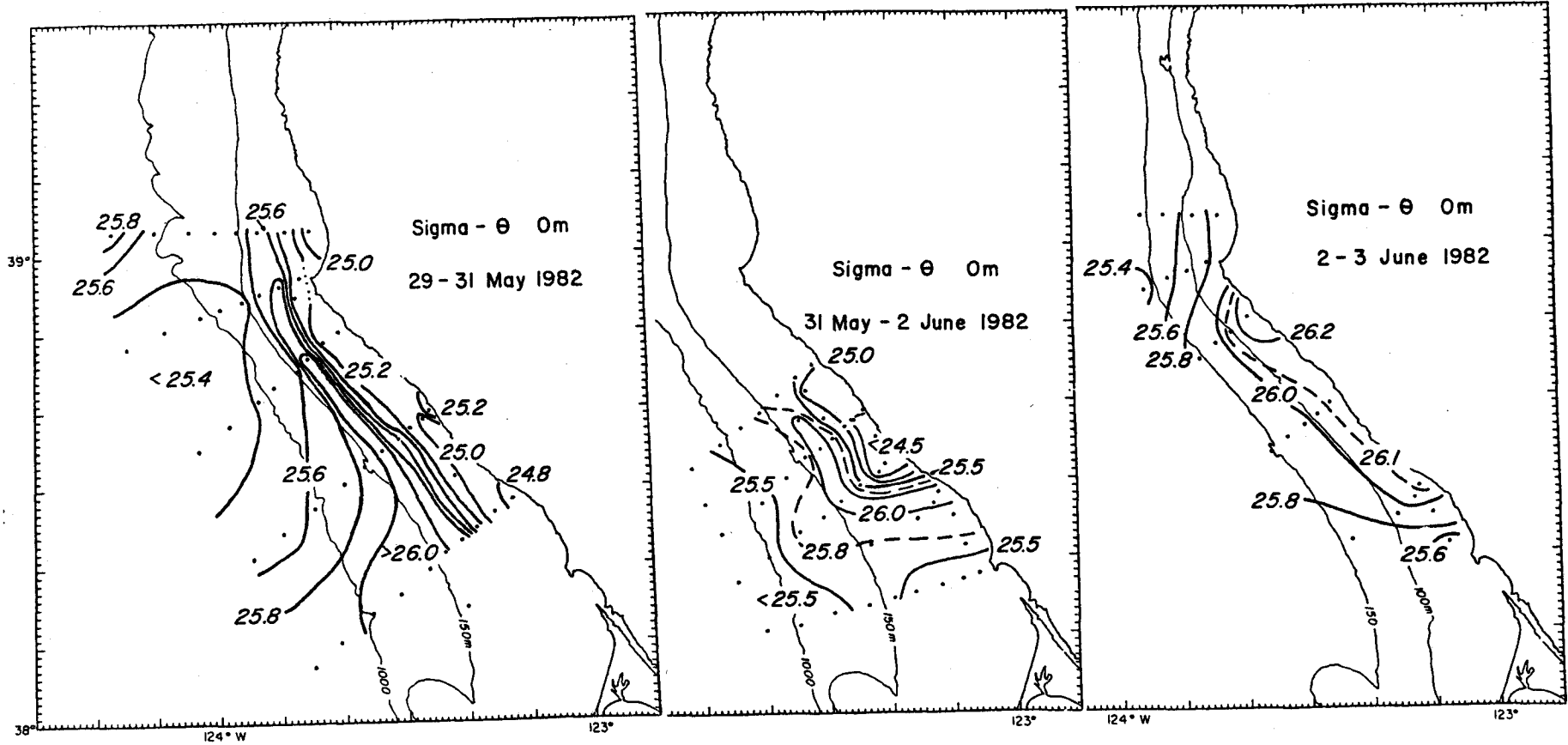


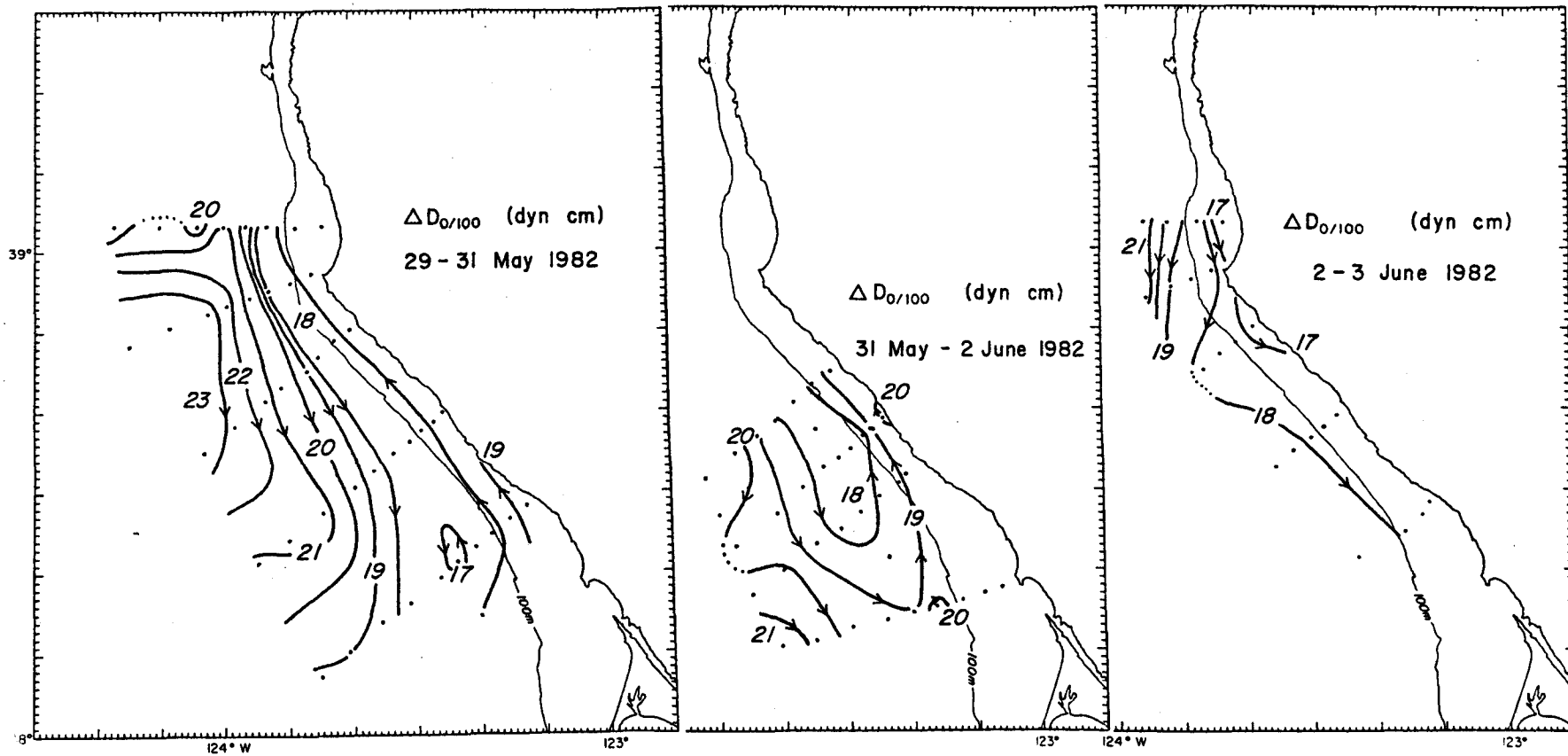
MESOSCALE MAPS

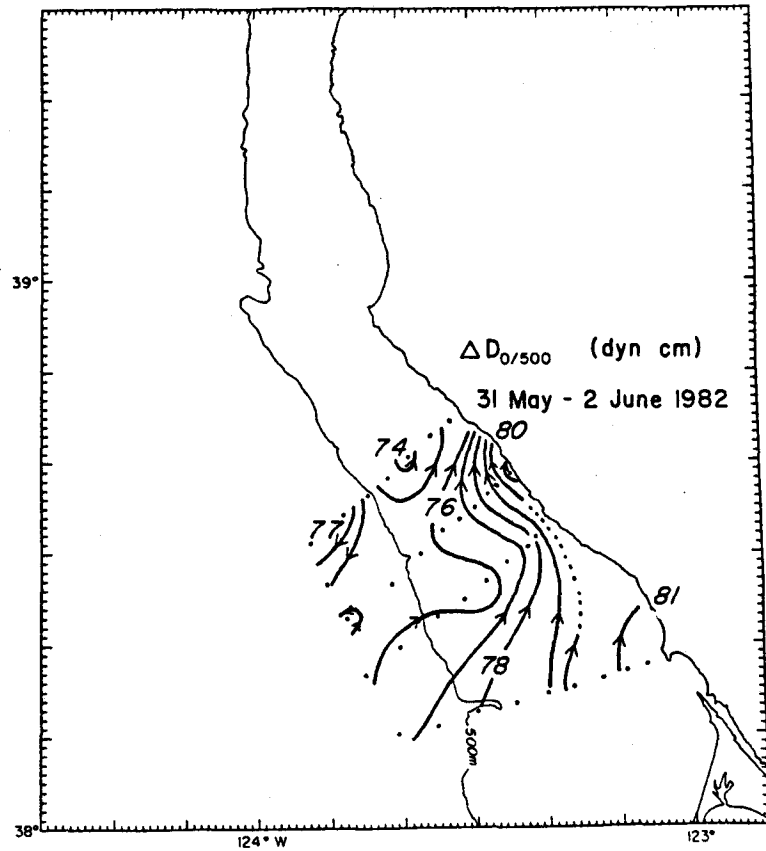
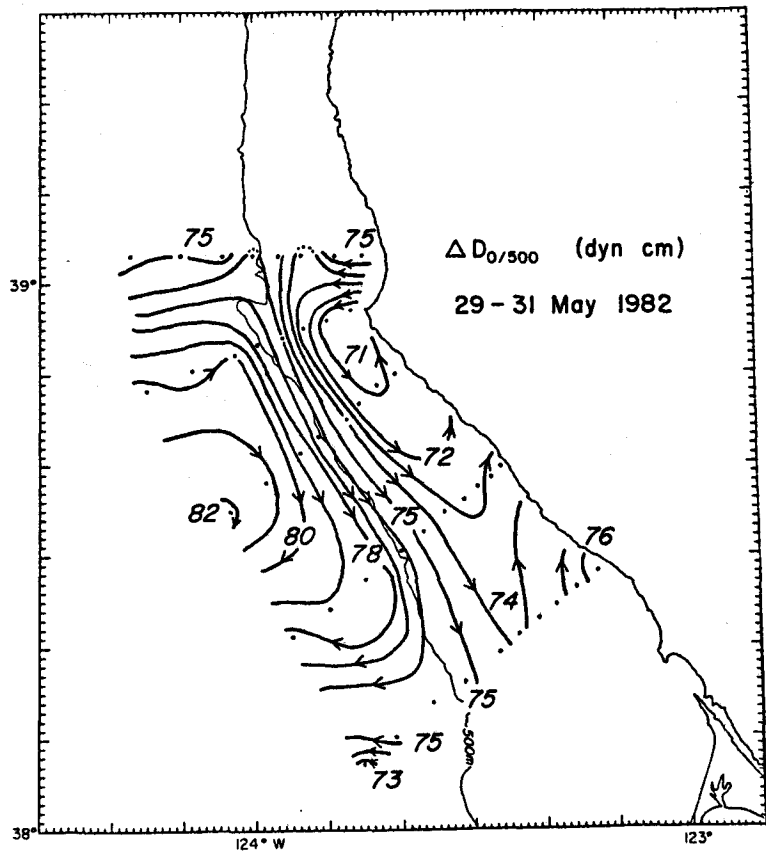


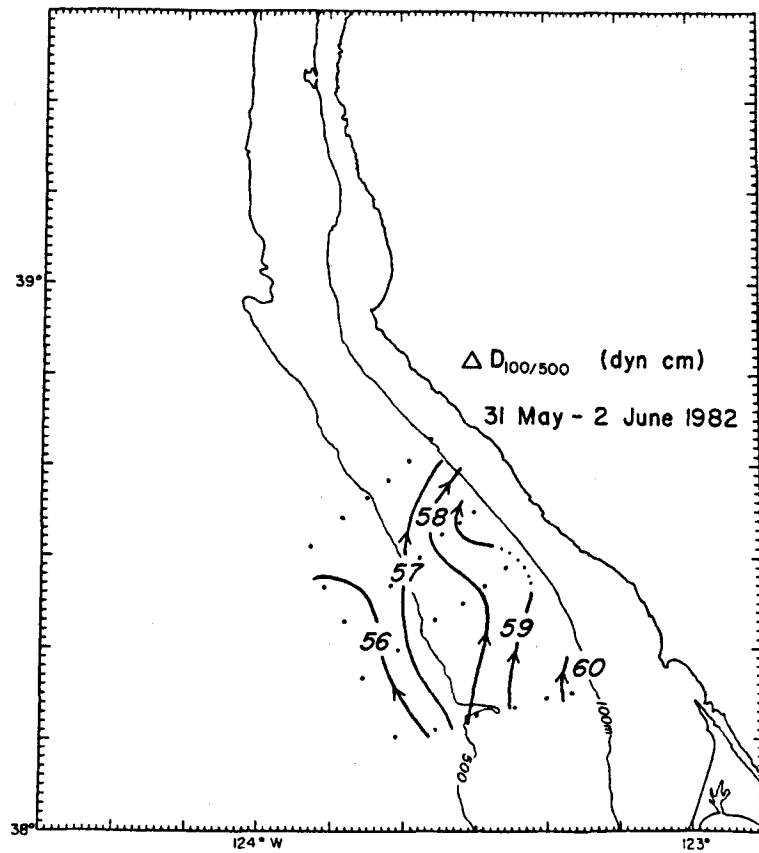
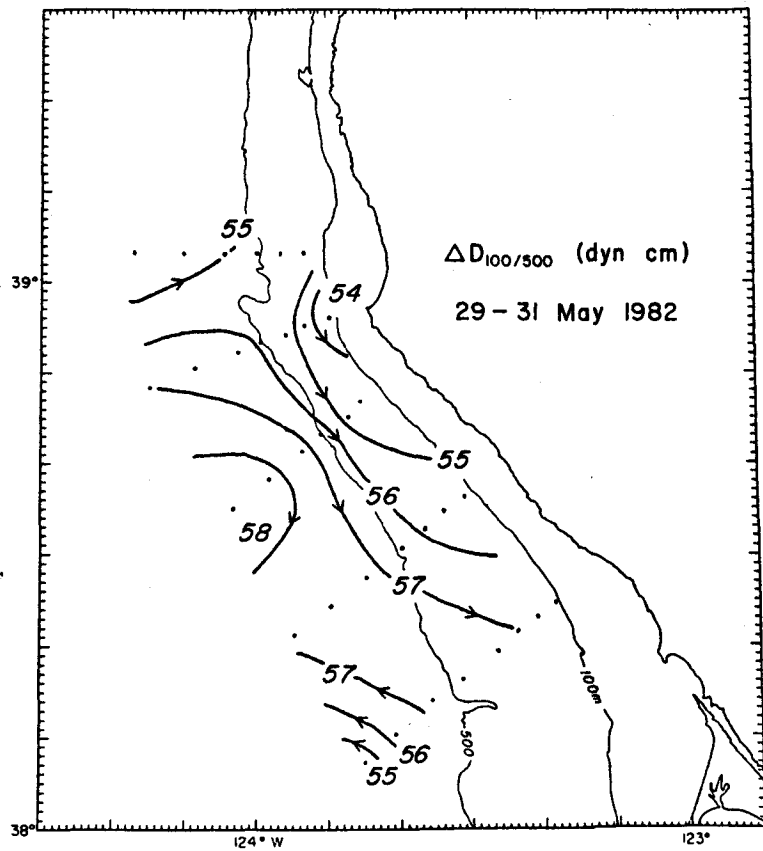


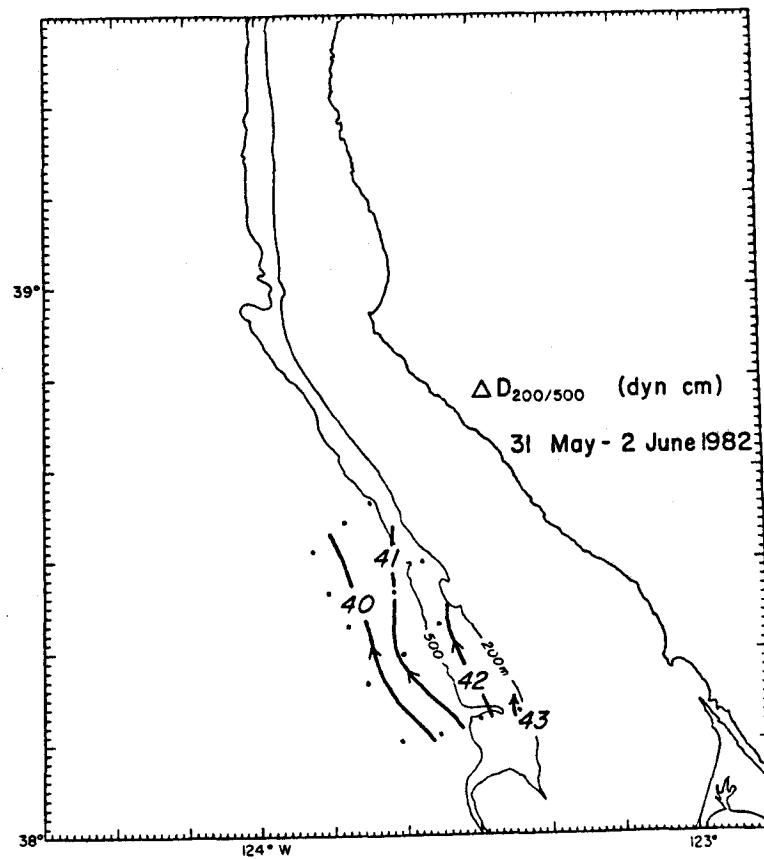
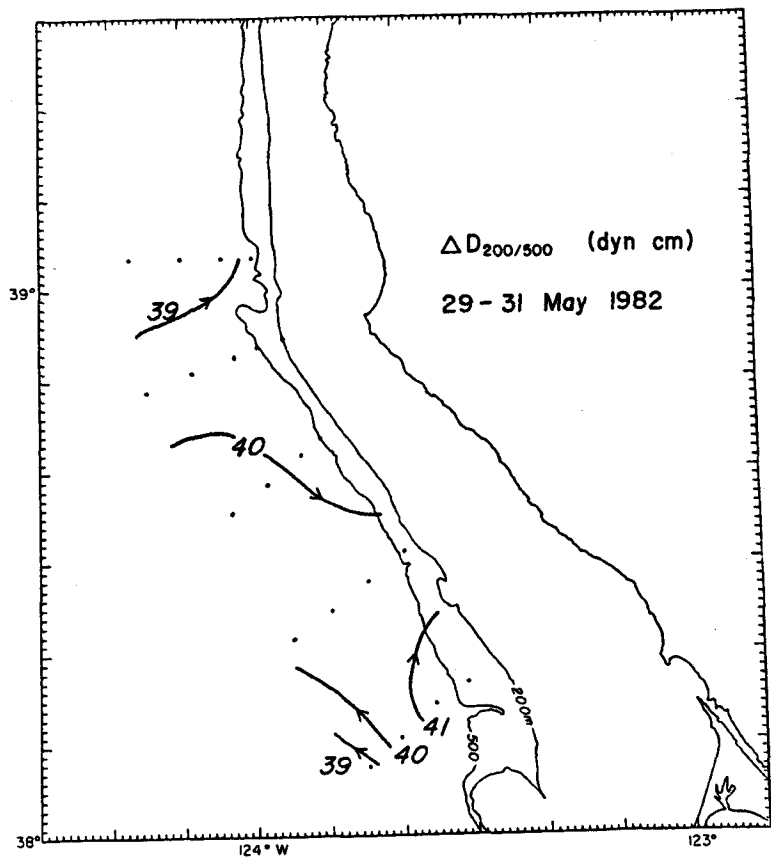




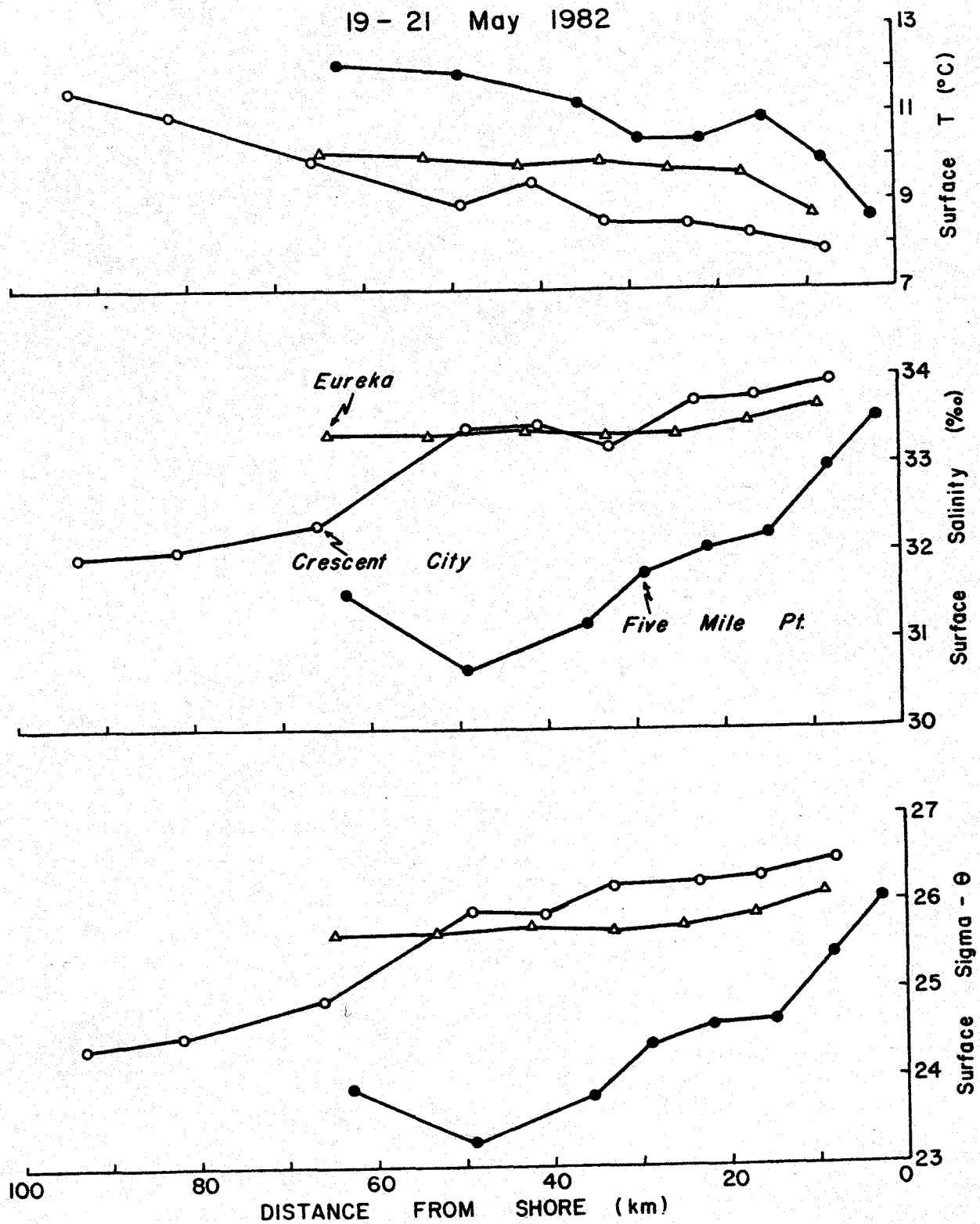






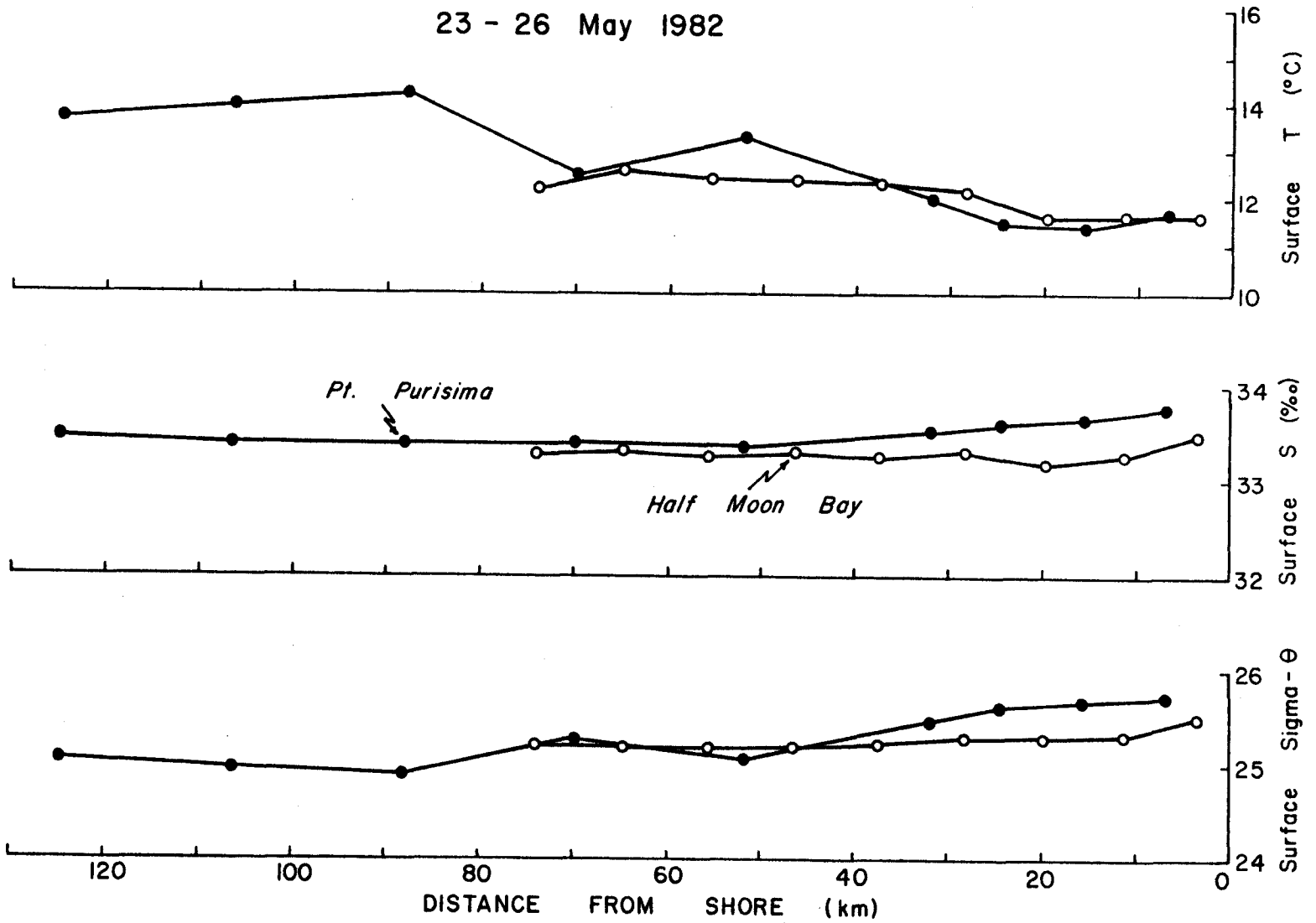


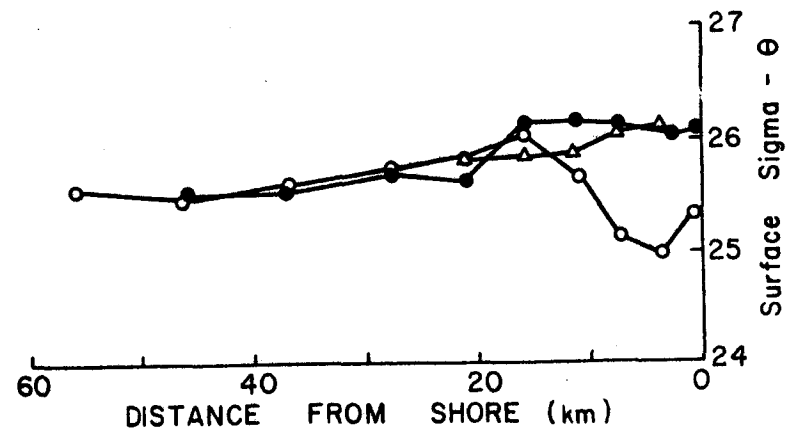
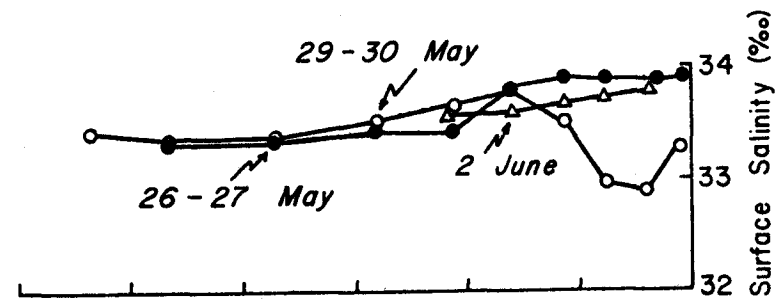
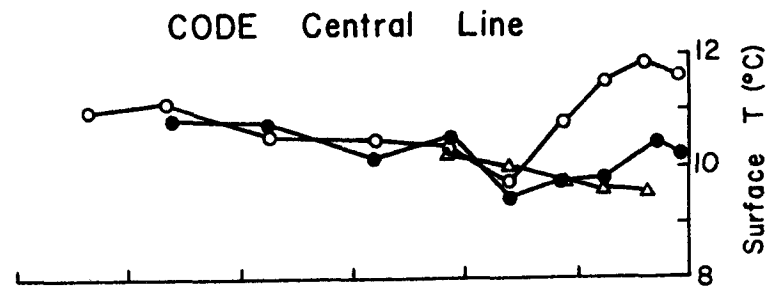
OFFSHORE PROFILES



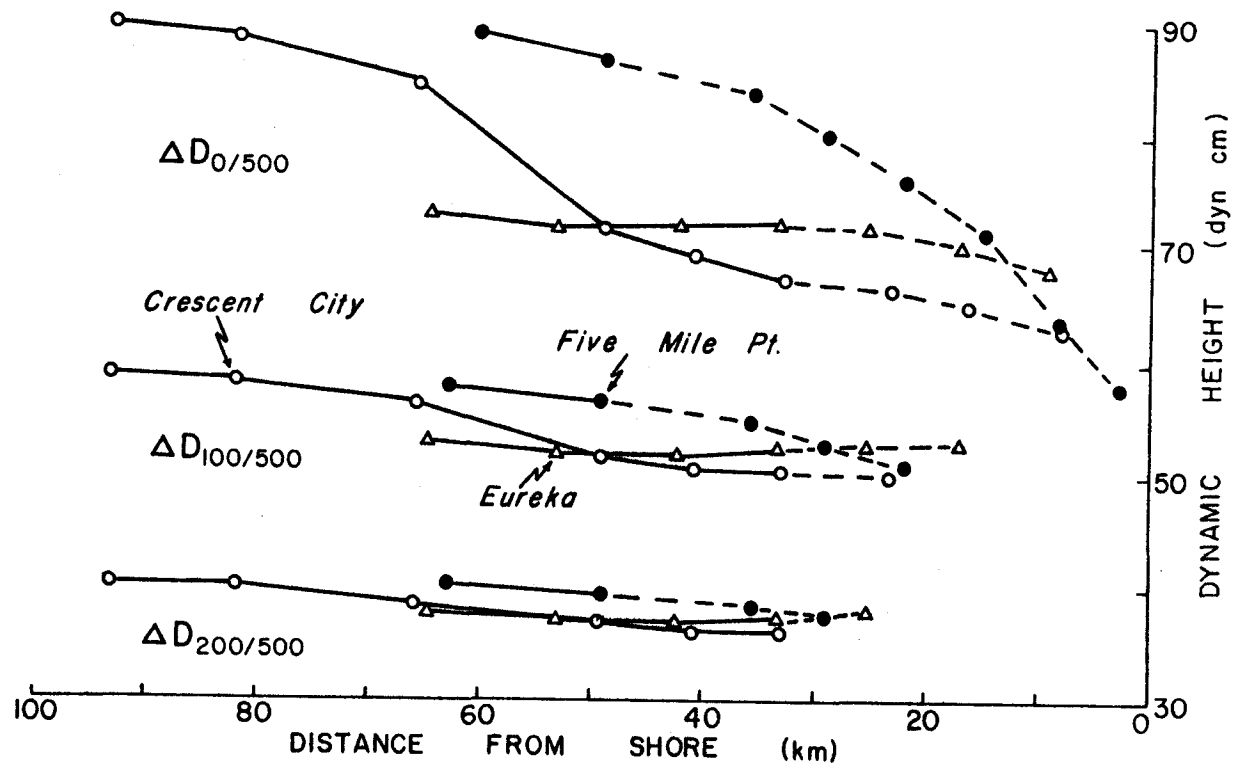


23 - 26 May 1982

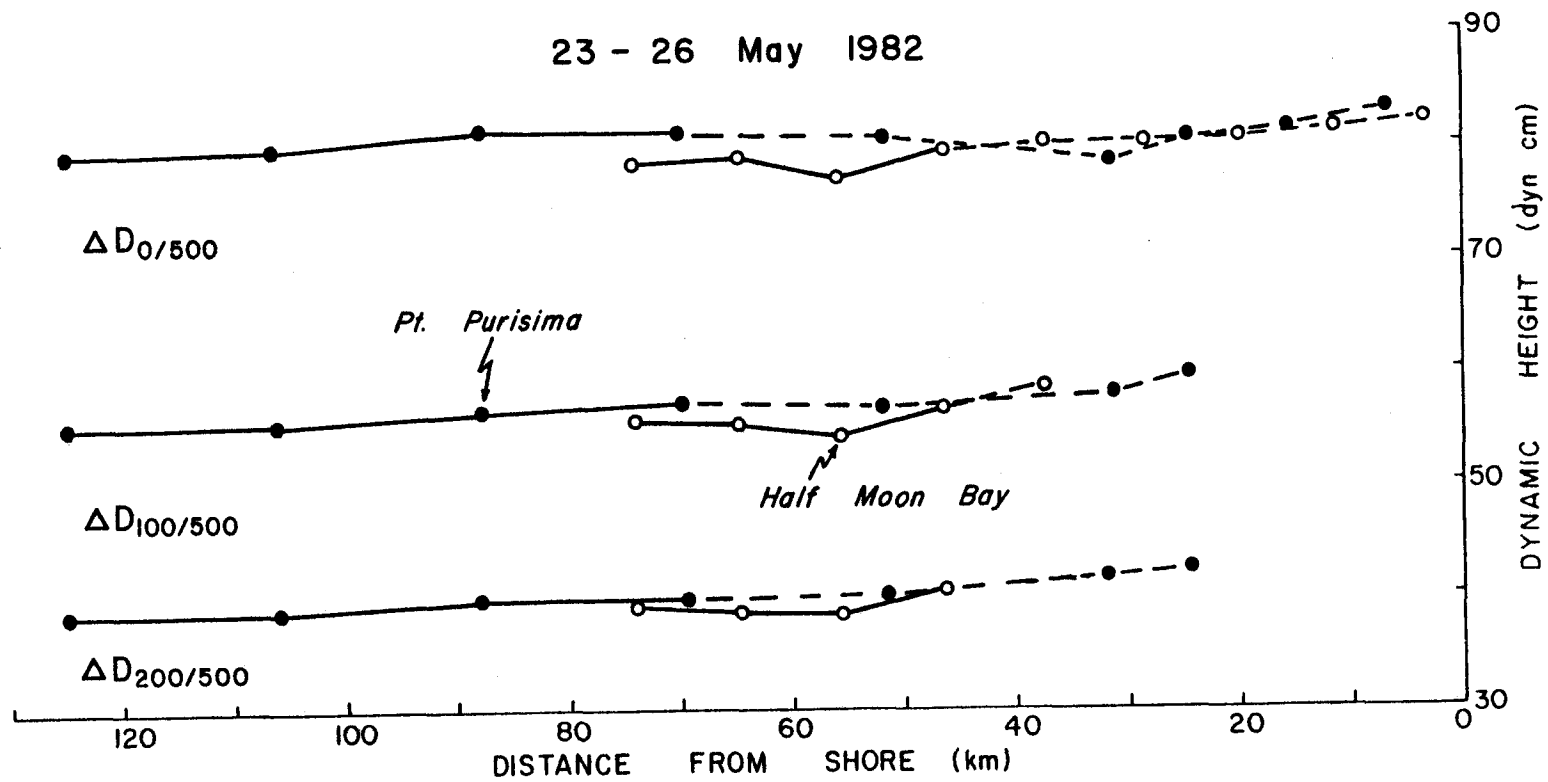


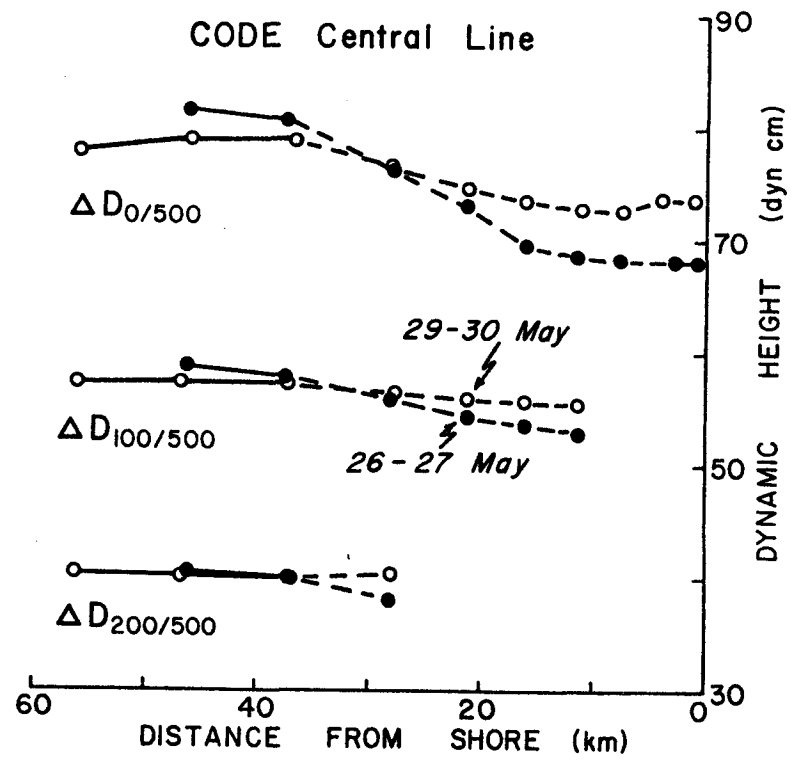


19 - 21 May 1982

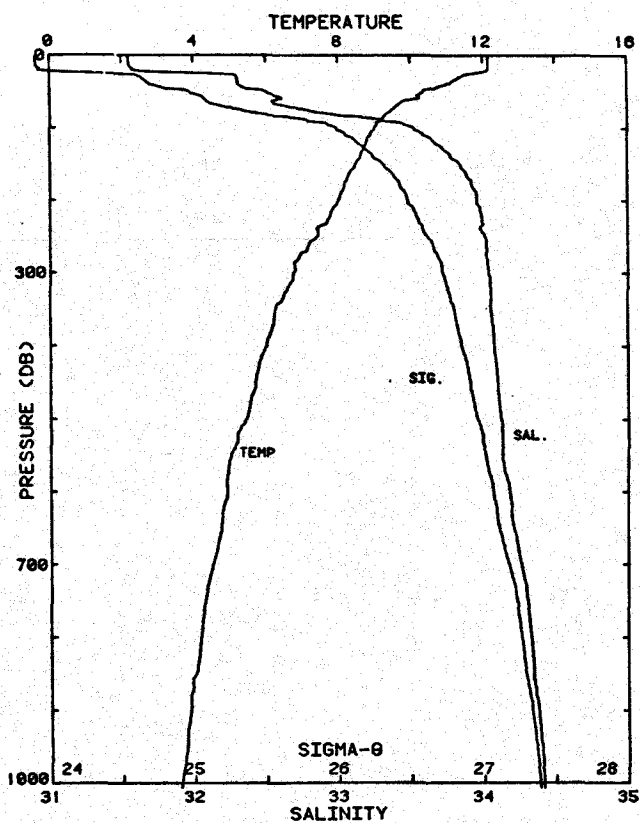


23 - 26 May 1982





VERTICAL PROFILES AND LISTINGS



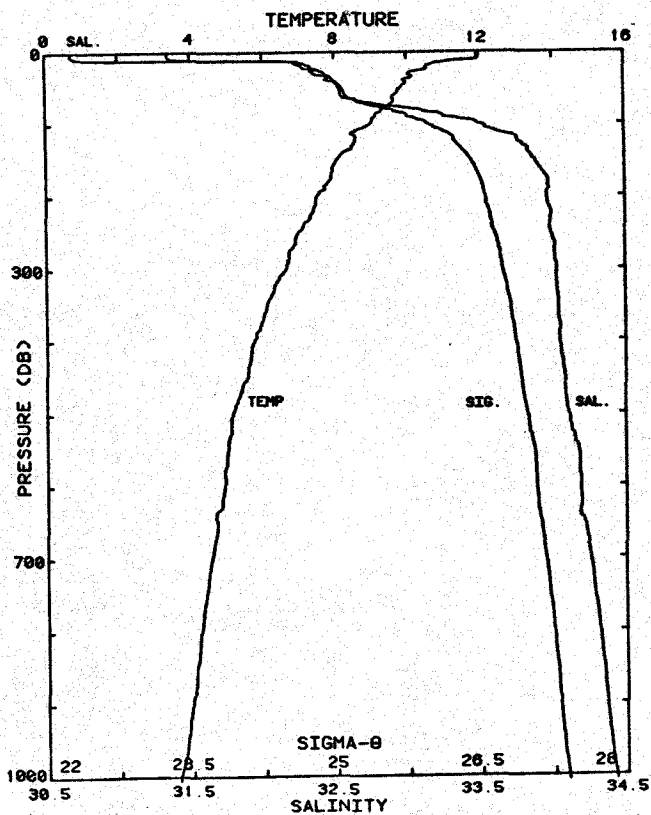
STATION 1 FM9

STA NO 1 ,FM9 LAT: 43 12.8 N LONG:125 10.0 W  
19 MAY 1982 0759 GMT PROBE 2567 DEPTH 1706M  
62.7 KM FROM SHORE

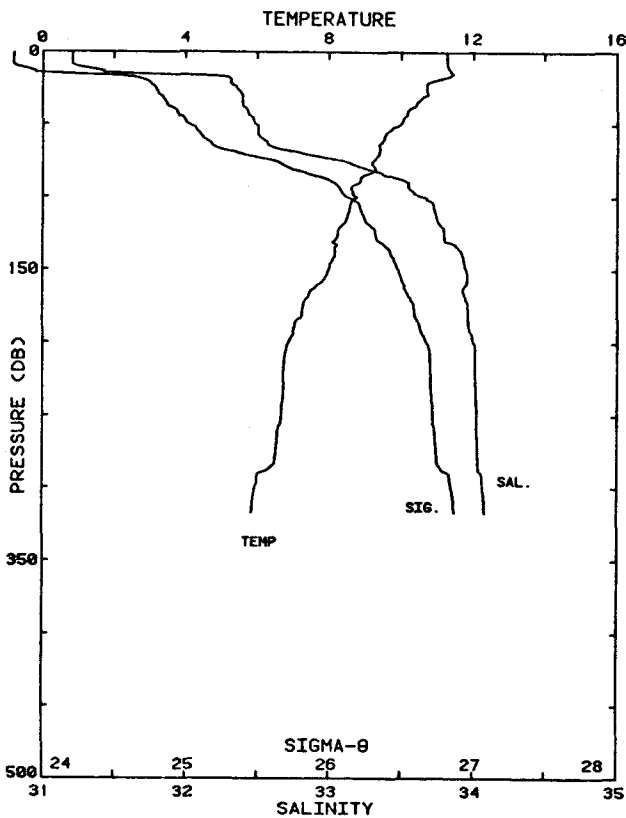
PRESS	TEMP	SAL	POTEN	SIGMA	SVR	DELD
	TEMP		THETA			
1	12.152	31.549	12.152	23.906	401.0	0.004
10	12.160	31.553	12.159	23.908	400.9	0.040
20	12.146	31.575	12.143	23.928	399.3	0.080
30	11.401	32.300	11.398	24.625	333.0	0.117
40	11.029	32.306	11.024	24.697	326.4	0.150
50	10.342	32.493	10.337	24.961	301.5	0.181
60	10.221	32.606	10.214	25.070	291.3	0.211
70	9.611	32.620	9.604	25.181	280.8	0.240
80	9.377	32.890	9.369	25.430	257.4	0.267
90	9.195	33.302	9.186	25.781	224.2	0.290
100	9.002	33.520	8.991	25.982	205.3	0.312
110	8.909	33.589	8.897	26.051	198.9	0.332
120	8.796	33.669	8.783	26.131	191.5	0.351
130	8.702	33.731	8.688	26.194	185.7	0.370
140	8.619	33.779	8.605	26.245	181.0	0.388
150	8.488	33.841	8.473	26.313	174.7	0.406
175	8.189	33.919	8.172	26.420	165.0	0.449
200	7.997	33.958	7.977	26.480	159.7	0.489
225	7.725	33.991	7.703	26.546	153.7	0.528
250	7.394	34.011	7.370	26.610	148.0	0.566
300	6.733	34.033	6.706	26.718	138.1	0.637
400	6.006	34.073	5.971	26.846	126.9	0.769
500	5.437	34.117	5.396	26.951	117.7	0.891
600	4.897	34.177	4.850	27.062	107.7	1.003
800	4.173	34.327	4.113	27.261	89.9	1.199
1000	3.629	34.416	3.556	27.388	78.6	1.367
1007	3.604	34.417	3.531	27.392	78.3	1.373

STA NO 2 ,FM8 LAT: 43 13.0 N LONG:125 0.1 W  
19 MAY 1982 1005 GMT PROBE 2567 DEPTH 1078M  
49.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVR	DELD
	TEMP		THETA			
1	11.944	30.677	11.944	23.270	461.6	0.005
10	11.956	30.707	11.954	23.292	459.8	0.046
20	10.569	32.270	10.567	24.748	321.1	0.082
30	10.118	32.351	10.114	24.808	308.0	0.114
40	9.906	32.434	9.902	24.988	298.6	0.144
50	9.842	32.528	9.836	25.072	290.8	0.174
60	9.685	32.544	9.678	25.110	287.4	0.202
70	9.629	32.684	9.622	25.228	276.3	0.231
80	9.353	33.047	9.345	25.556	245.3	0.257
90	9.123	33.252	9.113	25.753	226.8	0.280
100	8.994	33.487	8.983	25.958	207.6	0.302
110	8.568	33.604	8.557	26.115	192.7	0.322
120	8.571	33.755	8.559	26.232	181.8	0.340
130	8.505	33.793	8.492	26.273	178.1	0.359
140	8.215	33.832	8.201	26.347	171.2	0.376
150	8.030	33.877	8.015	26.411	165.3	0.393
175	7.877	33.964	7.860	26.502	157.1	0.433
200	7.470	33.956	7.451	26.555	152.3	0.472
225	7.318	33.989	7.297	26.602	148.2	0.509
250	6.966	33.986	6.942	26.650	143.9	0.546
300	6.616	34.024	6.589	26.727	137.2	0.616
400	5.715	34.042	5.681	26.857	125.5	0.747
500	5.134	34.101	5.094	26.974	115.1	0.867
600	4.881	34.182	4.834	27.068	107.1	0.977
800	4.224	34.314	4.163	27.245	91.5	1.175
1000	3.635	34.422	3.562	27.392	78.3	1.347
1006	3.620	34.424	3.547	27.395	78.0	1.351



STATION 2 FM8



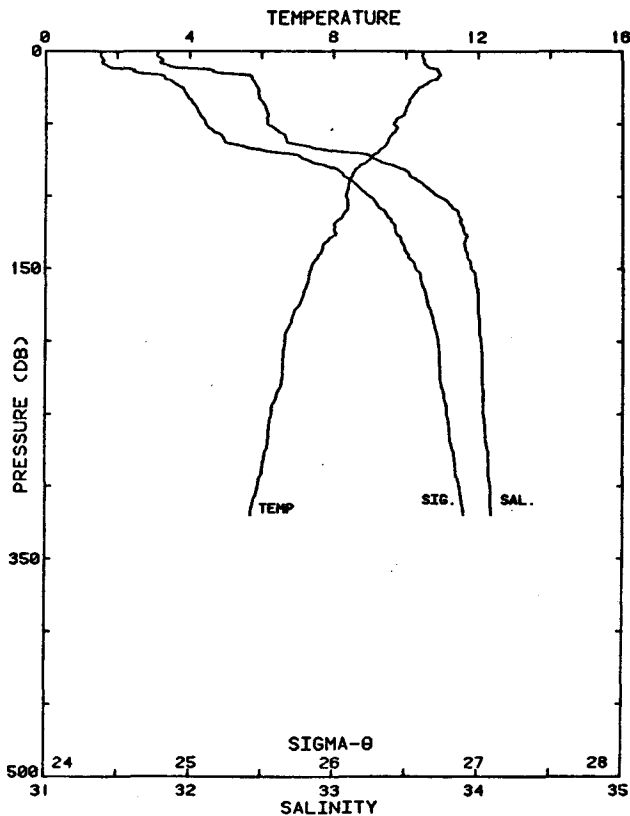
STATION 3 FM7

STA NO 3 ,FM7 LAT: 43 13.0 N LONG:124 50.0 W  
 19 MAY 1982 1149 GMT PROBE 2567 DEPTH 329M  
 35.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SWA	DELD
1	11.270	31.207	11.270	23.802	410.9	0.004
10	11.288	31.225	11.287	23.812	410.1	0.041
20	10.981	32.316	10.979	24.713	324.5	0.079
30	10.741	32.397	10.737	24.818	314.7	0.110
40	10.223	32.430	10.218	24.932	304.0	0.141
50	9.962	32.487	9.957	25.020	295.8	0.171
60	9.521	32.531	9.515	25.126	285.8	0.200
70	9.374	32.809	9.367	25.367	263.1	0.228
80	9.282	33.245	9.273	25.723	229.5	0.253
90	8.827	33.551	8.817	26.033	200.2	0.274
100	8.770	33.661	8.760	26.129	191.3	0.293
110	8.535	33.735	8.524	26.222	182.6	0.312
120	8.327	33.774	8.315	26.286	176.7	0.330
130	8.124	33.802	8.111	26.338	171.9	0.347
140	8.147	33.922	8.133	26.429	163.5	0.364
150	7.967	33.954	7.952	26.480	158.7	0.380
175	7.265	33.964	7.248	26.589	148.6	0.419
200	6.854	34.002	6.835	26.677	140.5	0.455
225	6.716	34.015	6.696	26.705	138.1	0.490
250	6.672	34.027	6.649	26.721	137.0	0.524
300	5.944	34.070	5.918	26.850	125.1	0.591
318	5.840	34.083	5.813	26.873	123.1	0.613

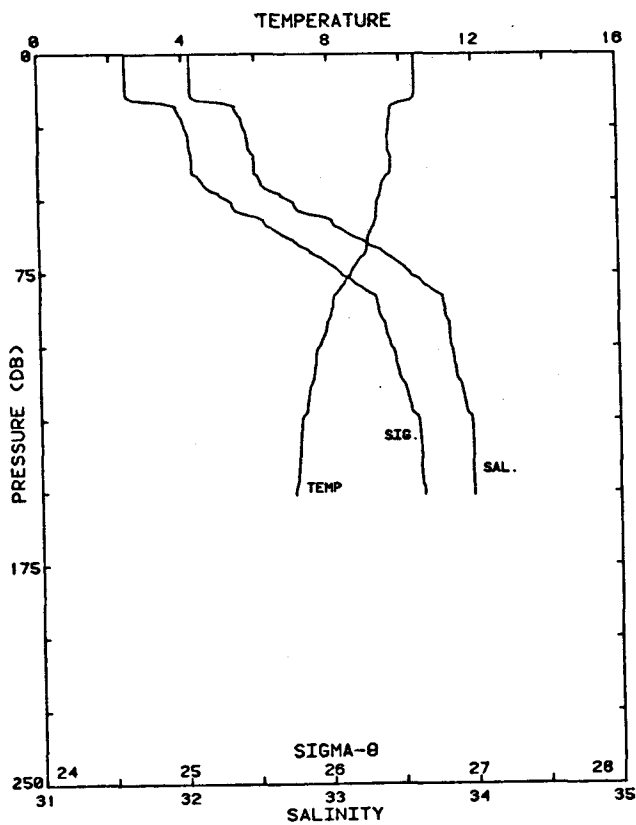
STA NO 4 ,FM6 LAT: 43 12.9 N LONG:124 45.1 W  
 19 MAY 1982 1256 GMT PROBE 2567 DEPTH 330M  
 28.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SWA	DELD
1	10.459	31.781	10.459	24.387	355.1	0.004
10	10.528	31.841	10.527	24.422	351.9	0.035
20	10.837	32.427	10.835	24.824	313.8	0.069
30	10.200	32.473	10.197	24.970	300.2	0.099
40	9.988	32.526	9.984	25.046	293.1	0.129
50	9.649	32.531	9.643	25.106	287.6	0.158
60	9.520	32.663	9.514	25.230	276.0	0.186
70	9.228	33.063	9.220	25.588	242.1	0.212
80	8.696	33.432	8.688	25.961	206.8	0.235
90	8.422	33.585	8.413	26.122	191.7	0.254
100	8.324	33.717	8.314	26.240	180.6	0.273
110	8.357	33.855	8.346	26.344	171.0	0.291
120	7.993	33.887	7.981	26.424	163.5	0.307
130	7.851	33.912	7.838	26.464	159.8	0.324
140	7.608	33.925	7.594	26.510	155.6	0.339
150	7.368	33.951	7.354	26.565	150.5	0.355
175	7.028	33.998	7.012	26.649	142.8	0.391
200	6.625	34.019	6.607	26.721	136.2	0.426
225	6.558	34.026	6.538	26.735	135.2	0.460
250	6.261	34.037	6.239	26.783	130.9	0.493
300	5.882	34.084	5.857	26.868	123.3	0.557
320	5.688	34.092	5.661	26.899	120.6	0.581



STATION 4 FM6



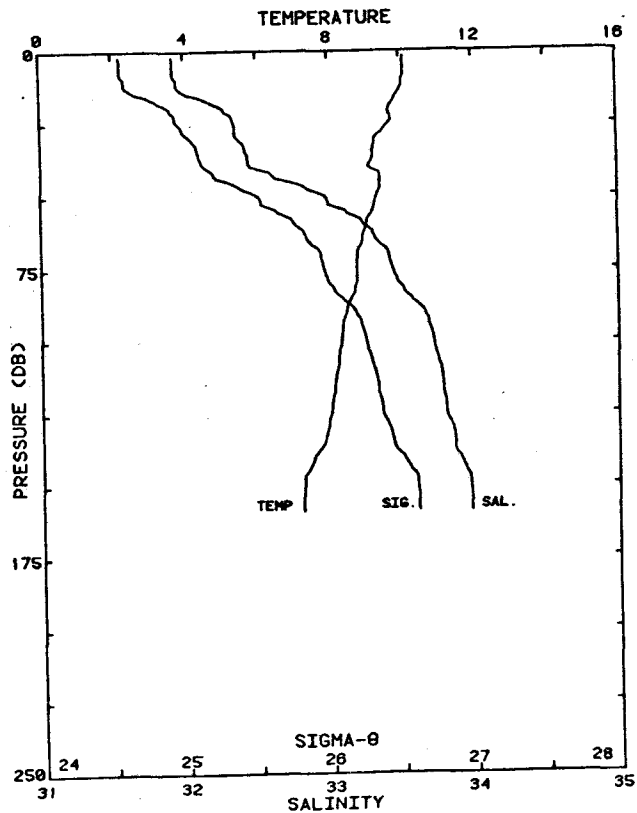


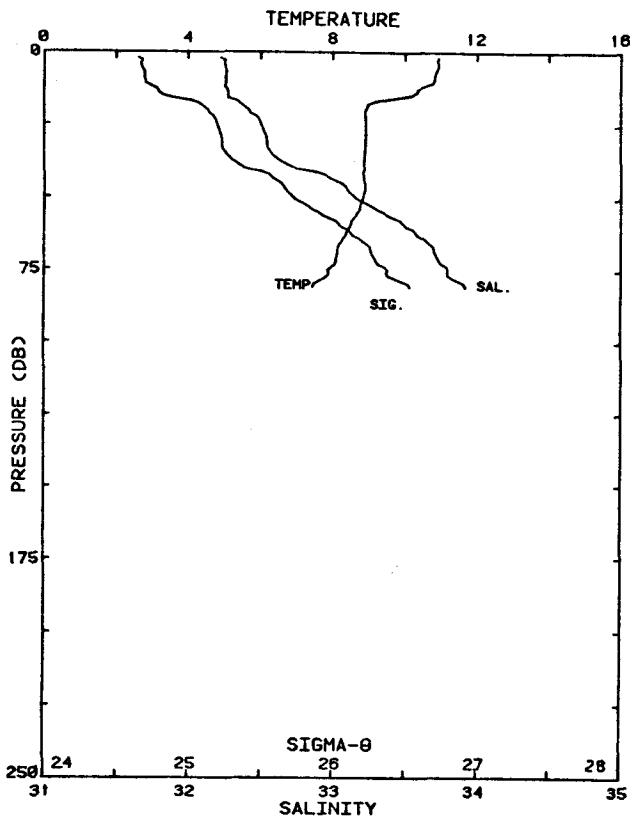
STA NO 5 ,FMS LAT: 43 13.0 N LONG:124 40.0 W  
 19 MAY 1982 1359 GMT PROBE 2567 DEPTH 162M  
 21.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SWA	DELD
1	10.413	32.054	10.412	24.607	334.1	0.003
10	10.414	32.055	10.413	24.607	334.2	0.033
20	9.714	32.370	9.712	24.969	300.0	0.066
30	9.647	32.445	9.644	25.039	293.6	0.095
40	9.714	32.490	9.710	25.063	291.5	0.125
50	9.354	32.721	9.349	25.301	269.0	0.153
60	9.176	33.085	9.169	25.614	239.4	0.178
70	8.854	33.133	8.847	25.937	208.9	0.201
80	8.307	33.688	8.299	26.221	182.1	0.220
90	8.015	33.805	8.006	26.356	169.4	0.238
100	7.703	33.838	7.693	26.428	162.7	0.254
110	7.542	33.875	7.531	26.480	157.9	0.270
120	7.343	33.935	7.332	26.556	150.9	0.286
130	7.150	33.979	7.138	26.617	145.1	0.300
140	7.104	33.982	7.091	26.626	144.5	0.315
150	6.997	33.988	6.983	26.645	142.8	0.329
151	6.992	33.989	6.978	26.647	142.6	0.331

STA NO 6 ,FMS LAT: 43 13.0 N LONG:124 40.1 W  
 19 MAY 1982 2155 GMT PROBE 2567 DEPTH 162M  
 21.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SWA	DELD
2	10.128	31.922	10.128	24.552	339.4	0.007
10	10.059	31.947	10.058	24.583	336.6	0.034
20	9.676	32.270	9.674	24.898	306.8	0.066
30	9.284	32.362	9.281	25.032	294.1	0.097
40	9.082	32.450	9.077	25.133	284.8	0.125
50	9.317	32.971	9.312	25.502	249.9	0.152
60	9.026	33.240	9.020	25.759	225.7	0.176
70	8.762	33.412	8.755	25.934	209.2	0.198
80	8.729	33.479	8.721	25.992	203.9	0.219
90	8.434	33.661	8.425	26.180	186.2	0.238
100	8.284	33.717	8.274	26.247	180.0	0.256
110	8.174	33.768	8.163	26.304	174.8	0.274
120	8.029	33.793	8.017	26.344	171.1	0.292
130	7.907	33.850	7.895	26.408	165.2	0.308
140	7.511	33.895	7.497	26.500	156.5	0.325
150	7.217	33.945	7.203	26.597	147.1	0.340
159	7.193	33.973	7.178	26.606	146.6	0.353

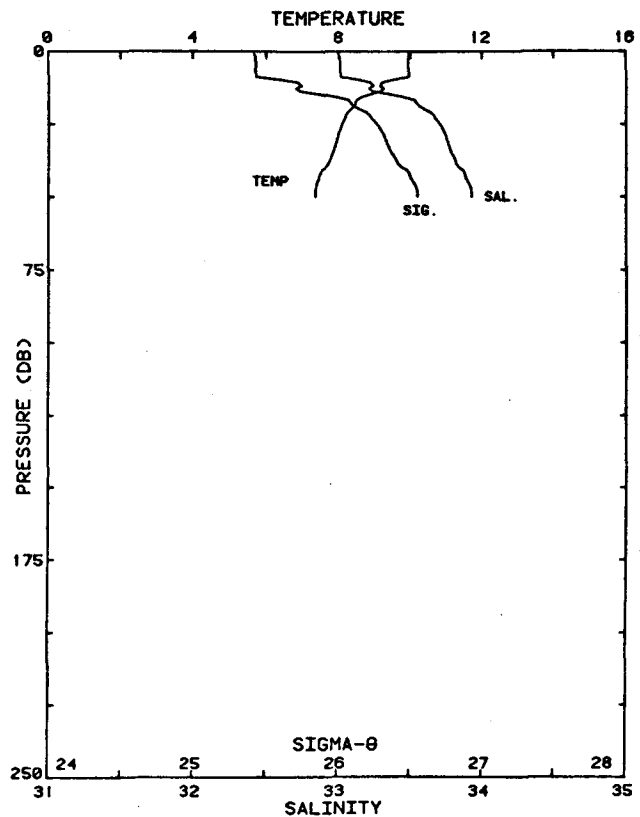




STATION 7 FM4

STA NO 7 ,FM4 LAT: 43 12.9 N LONG:124 35.0 W  
 19 MAY 1982 2238 GMT PROBE 2567 DEPTH 35M  
 14.8 KM FROM SHORE

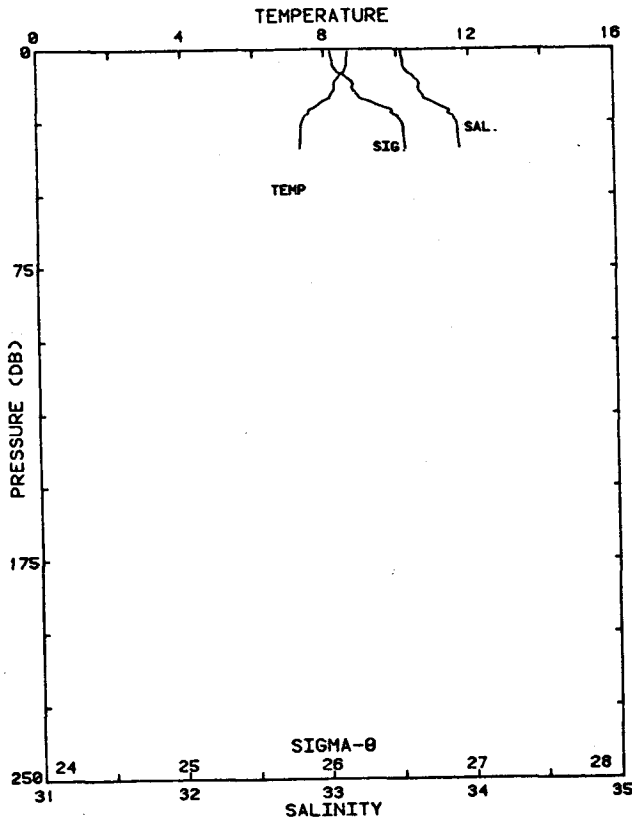
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.936	32.226	10.936	24.650	330.0	0.007
10	10.805	32.262	10.803	24.702	325.3	0.033
20	8.892	32.418	8.890	25.137	284.0	0.064
30	8.900	32.543	8.897	25.234	275.0	0.091
40	8.855	32.747	8.851	25.400	259.4	0.118
50	8.814	33.156	8.809	25.726	228.6	0.142
60	8.454	33.506	8.448	26.056	197.4	0.164
70	8.086	33.715	8.079	26.274	176.8	0.182
80	7.450	33.908	7.443	26.518	153.7	0.199
81	7.411	33.918	7.403	26.531	152.5	0.200



STATION 8 FM3

STA NO 8 ,FM3 LAT: 43 13.0 N LONG:124 30.0 W  
 19 MAY 1982 2350 GMT PROBE 2567 DEPTH 56M  
 8.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.950	32.998	9.950	25.419	256.8	0.003
10	9.516	33.134	9.515	25.596	240.1	0.026
20	8.337	33.595	8.335	26.142	188.5	0.047
30	7.955	33.751	7.952	26.321	171.6	0.065
40	7.624	33.838	7.620	26.438	160.6	0.081
50	7.344	33.928	7.340	26.548	150.4	0.097



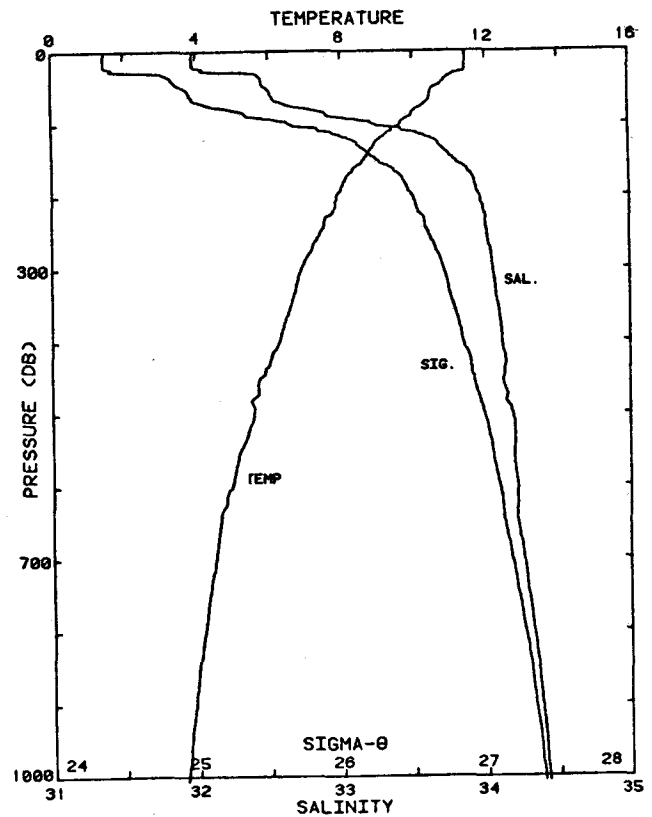
STATION 9 FMI

STA NO 10 ,CR9 LAT: 41 54.0 N LONG:125 20.0 W  
20 MAY 1982 0827 GMT PROBE 2567 DEPTH 3087M  
93.0 KM FROM SHORE

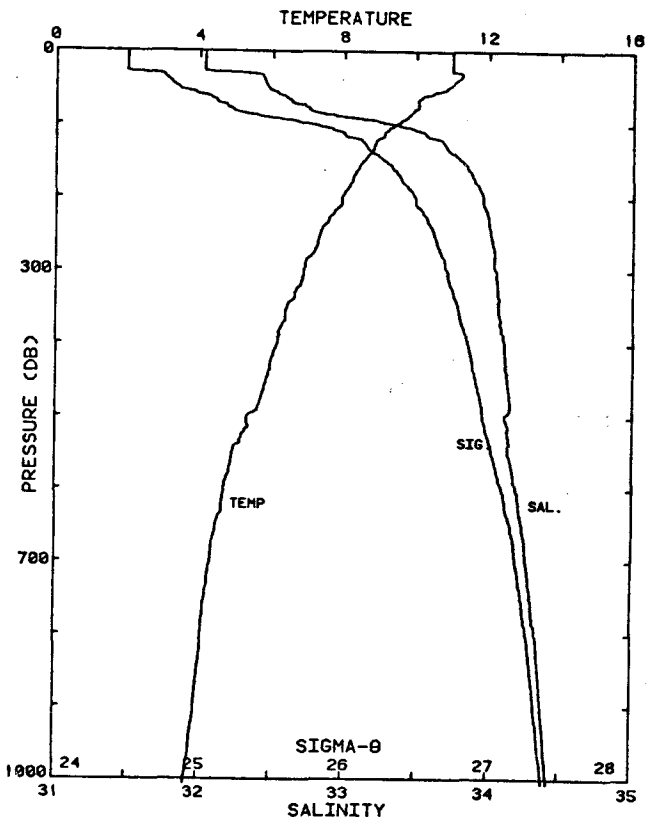
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.460	31.973	11.459	24.361	357.5	0.007
10	11.465	31.975	11.463	24.362	357.7	0.036
20	11.469	31.978	11.467	24.364	357.7	0.072
30	11.320	32.313	11.317	24.650	330.6	0.107
40	10.888	32.453	10.883	24.836	313.2	0.139
50	10.618	32.481	10.612	24.905	306.8	0.170
60	10.487	32.518	10.481	24.956	302.2	0.200
70	10.404	32.573	10.396	25.014	296.9	0.230
80	10.092	32.787	10.083	25.232	276.2	0.259
90	9.947	32.912	9.937	25.354	264.9	0.286
100	9.650	33.220	9.639	25.643	237.5	0.310
110	9.401	33.434	9.389	25.851	218.0	0.333
120	9.091	33.621	9.078	26.047	199.5	0.354
130	8.926	33.680	8.913	26.119	192.8	0.373
140	8.764	33.737	8.749	26.189	186.3	0.392
150	8.637	33.785	8.621	26.247	181.0	0.411
175	8.134	33.916	8.116	26.426	164.3	0.454
200	7.870	33.957	7.850	26.498	157.9	0.494
225	7.736	33.995	7.714	26.548	153.6	0.533
250	7.417	34.009	7.393	26.605	148.4	0.571
300	6.882	34.047	6.854	26.709	139.1	0.643
400	6.268	34.106	6.232	26.838	127.9	0.776
500	5.549	34.178	5.507	26.985	114.6	0.897
600	4.927	34.209	4.880	27.084	105.7	1.007
800	4.154	34.315	4.094	27.254	90.5	1.202
1000	3.666	34.415	3.593	27.384	79.1	1.371
1006	3.647	34.419	3.574	27.389	78.7	1.375

STA NO 9 ,FMI LAT: 43 13.0 N LONG:124 26.0 W  
20 MAY 1982 0037 GMT PROBE 2567 DEPTH 38M  
2.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.655	33.531	8.655	26.043	197.5	0.002
10	8.372	33.620	8.371	26.156	186.9	0.019
20	7.724	33.811	7.722	26.402	163.7	0.037
30	7.333	33.923	7.330	26.546	150.2	0.053
34	7.303	33.933	7.299	26.558	149.1	0.059



STATION 10 CR9



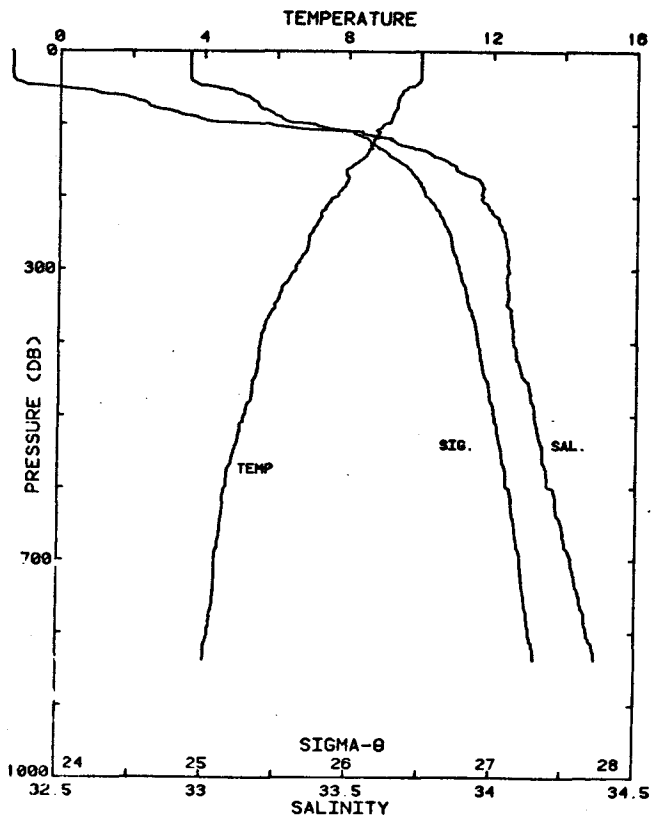
STA NO 11 ,CR8 LAT: 41 53.9 N LONG:125 11.9 W  
 20 MAY 1982 1000 GMT PROBE 2567 DEPTH 2723M  
 81.8 KM FROM SHORE LIN INT SAL 38-46DB

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.989	32.037	10.988	24.494	344.9	0.007
10	10.990	32.036	10.988	24.494	345.1	0.034
20	10.988	32.032	10.985	24.491	345.5	0.069
30	11.222	32.258	11.218	24.625	333.0	0.103
40	11.121	32.445	11.116	24.789	317.7	0.136
50	10.854	32.474	10.849	24.858	311.3	0.167
60	10.316	32.566	10.309	25.022	295.8	0.198
70	10.051	32.635	10.043	25.121	286.6	0.227
80	9.940	32.755	9.931	25.233	276.2	0.255
90	9.762	33.004	9.752	25.457	255.1	0.281
100	9.433	33.354	9.422	25.783	224.2	0.305
110	9.147	33.551	9.135	25.983	205.4	0.327
120	8.935	33.660	8.922	26.102	194.3	0.347
130	8.829	33.708	8.815	26.157	189.3	0.366
140	8.708	33.764	8.693	26.219	183.5	0.385
150	8.519	33.822	8.504	26.294	176.6	0.403
175	8.238	33.902	8.220	26.400	166.9	0.445
200	7.917	33.962	7.897	26.495	158.2	0.486
225	7.618	33.997	7.596	26.566	151.8	0.525
250	7.316	34.014	7.292	26.623	146.7	0.562
300	6.868	34.053	6.840	26.716	138.1	0.633
400	6.138	34.109	6.103	26.857	126.0	0.766
500	5.327	34.115	5.286	26.962	116.5	0.887
600	4.709	34.195	4.662	27.097	104.2	0.997
800	4.103	34.337	4.043	27.276	88.3	1.188
1000	3.667	34.424	3.594	27.391	78.5	1.355
1006	3.653	34.426	3.580	27.394	78.2	1.360

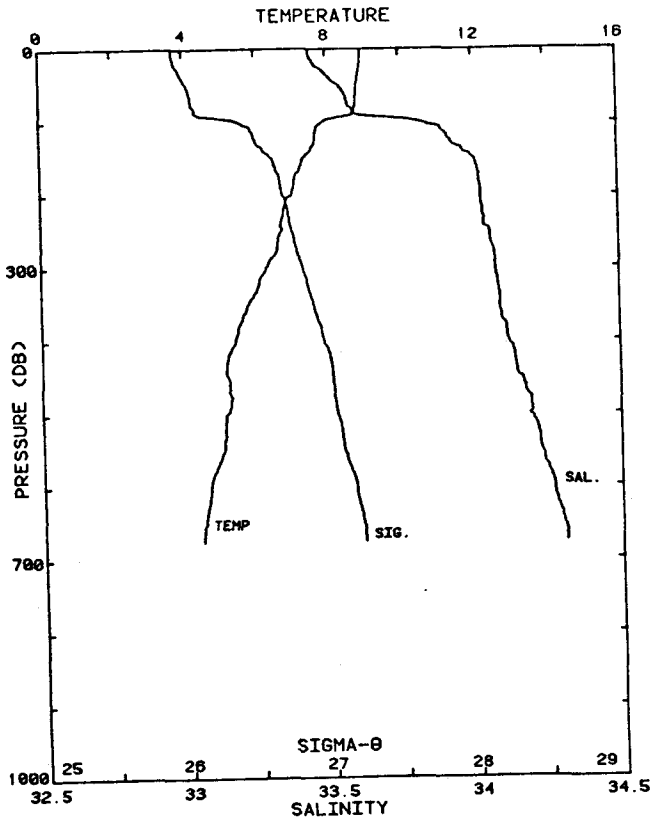
STATION 11 CR8

STA NO 12 ,CR7 LAT: 41 53.9 N LONG:124 59.8 W  
 20 MAY 1982 1222 GMT PROBE 2567 DEPTH 849M  
 65.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.980	32.338	9.980	24.900	306.2	0.003
10	9.982	32.338	9.981	24.900	305.4	0.031
20	9.983	32.338	9.980	24.900	306.6	0.061
30	9.984	32.338	9.981	24.900	306.8	0.092
40	9.971	32.342	9.967	24.906	306.4	0.123
50	9.594	32.465	9.589	25.063	291.7	0.153
60	9.424	32.663	9.418	25.245	274.5	0.181
70	9.336	32.784	9.329	25.354	264.4	0.208
80	9.298	32.837	9.289	25.401	260.1	0.234
90	9.184	32.954	9.175	25.511	249.8	0.260
100	8.957	33.203	8.946	25.741	228.1	0.284
110	8.795	33.324	8.784	26.017	202.1	0.306
120	8.723	33.646	8.710	26.124	192.1	0.326
130	8.577	33.694	8.564	26.185	186.5	0.345
140	8.496	33.776	8.482	26.262	179.4	0.363
150	8.304	33.833	8.289	26.335	172.6	0.381
175	7.980	33.942	7.963	26.469	160.2	0.422
200	7.658	33.963	7.638	26.533	154.4	0.461
225	7.205	34.000	7.184	26.627	145.8	0.499
250	6.950	34.040	6.927	26.694	139.7	0.534
300	6.522	34.056	6.495	26.765	133.5	0.603
400	5.572	34.076	5.539	26.901	121.2	0.729
500	5.120	34.149	5.080	27.014	111.4	0.846
600	4.606	34.207	4.560	27.118	102.0	0.953
800	4.173	34.335	4.113	27.267	89.3	1.144
837	4.046	34.362	3.984	27.303	86.1	1.176



STATION 12 CR7



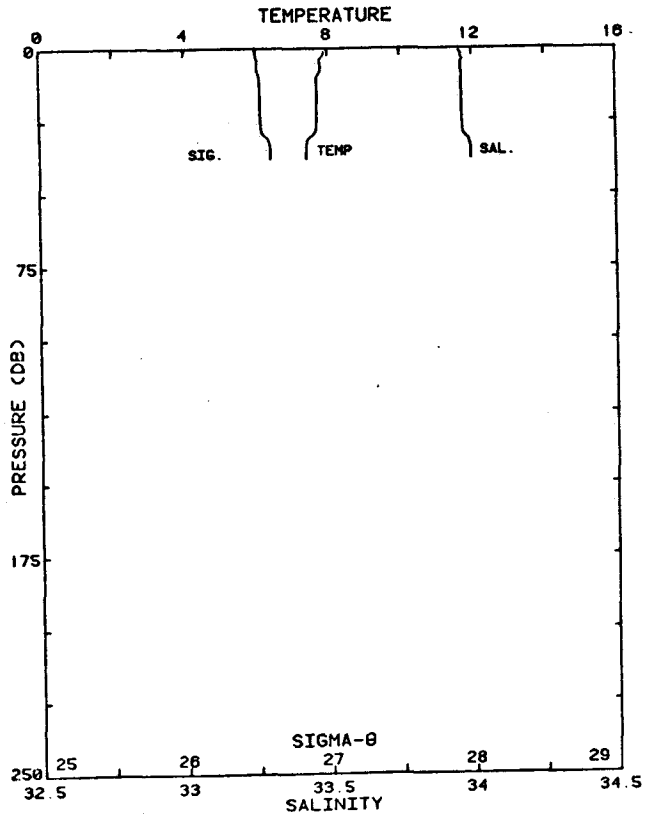
STA NO 13 ,CR6 LAT: 41 53.9 N LONG:124 47.8 W  
 20 MAY 1982 1426 GMT PROBE 2567 DEPTH 689M  
 49.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.947	33.439	8.947	25.926	208.6	0.002
10	8.940	33.443	8.938	25.930	208.4	0.021
20	8.928	33.457	8.925	25.943	207.4	0.042
30	8.899	33.485	8.896	25.970	205.0	0.062
40	8.854	33.512	8.850	25.998	202.6	0.083
50	8.824	33.541	8.819	26.025	200.2	0.103
60	8.808	33.558	8.801	26.041	198.8	0.123
70	8.798	33.567	8.791	26.050	198.2	0.143
80	8.771	33.579	8.763	26.064	197.1	0.162
90	8.700	33.603	8.690	26.094	194.1	0.192
100	7.879	33.819	7.869	26.387	166.7	0.200
110	7.703	33.891	7.692	26.469	159.0	0.216
120	7.670	33.912	7.659	26.491	157.1	0.232
130	7.637	33.929	7.625	26.509	155.5	0.248
140	7.526	33.966	7.513	26.554	151.4	0.263
150	7.320	34.004	7.306	26.613	145.9	0.278
175	7.077	34.020	7.061	26.660	141.8	0.314
200	6.970	34.024	6.952	26.678	140.4	0.349
225	6.727	34.030	6.706	26.716	137.2	0.384
250	6.677	34.053	6.655	26.741	135.2	0.418
300	6.238	34.074	6.212	26.816	128.5	0.484
400	5.363	34.114	5.330	26.956	115.9	0.606
500	5.114	34.186	5.074	27.043	108.6	0.717
600	4.614	34.265	4.568	27.163	97.8	0.821
676	4.387	34.305	4.336	27.220	92.9	0.893

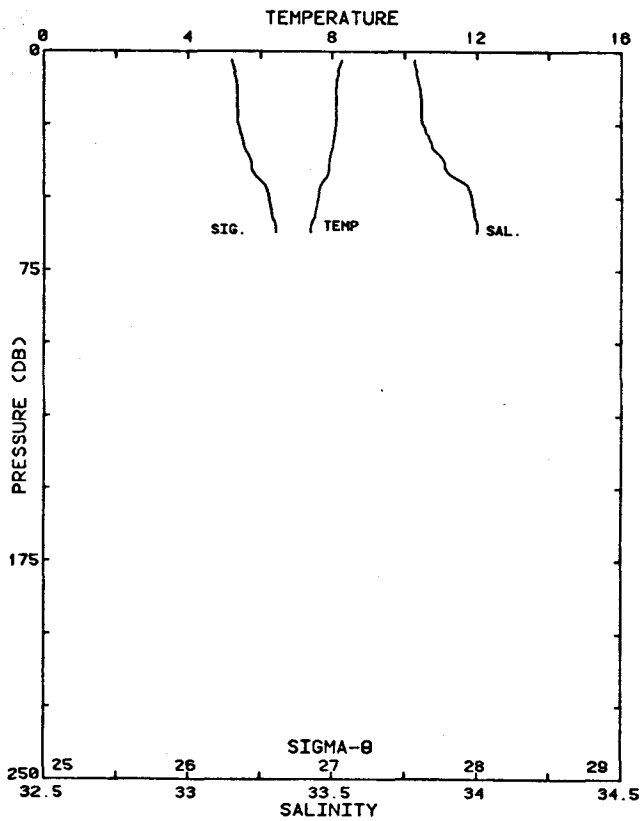
STATION 13 CR6

STA NO 14 ,CR1 LAT: 41 54.0 N LONG:124 18.0 W  
 20 MAY 1982 1831 GMT PROBE 2567 DEPTH 42M  
 7.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	7.896	33.958	7.896	26.492	154.9	0.002
10	7.706	33.967	7.705	26.527	151.7	0.015
20	7.695	33.966	7.694	26.528	151.8	0.031
30	7.579	33.976	7.576	26.553	149.6	0.046
38	7.380	33.995	7.376	26.596	145.6	0.057



STATION 14 CR1

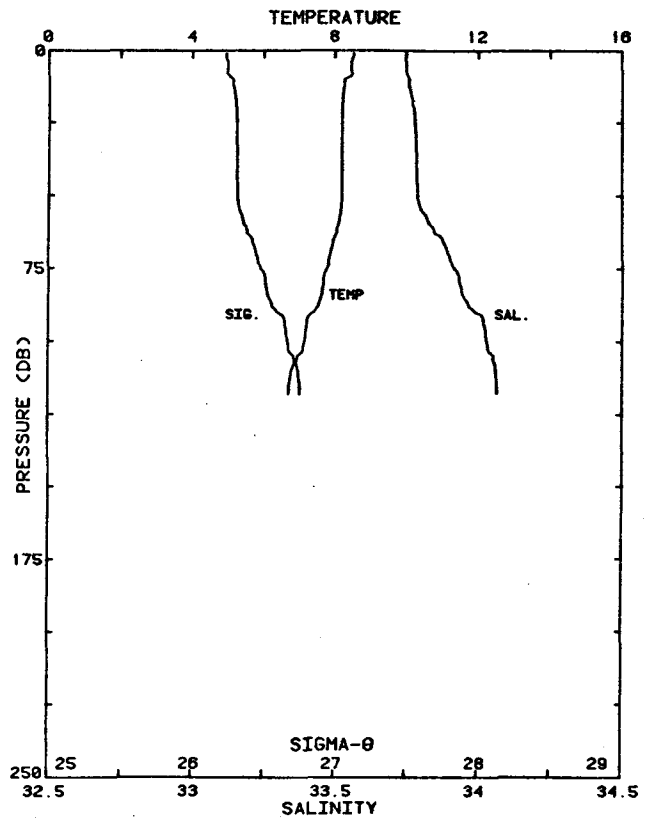


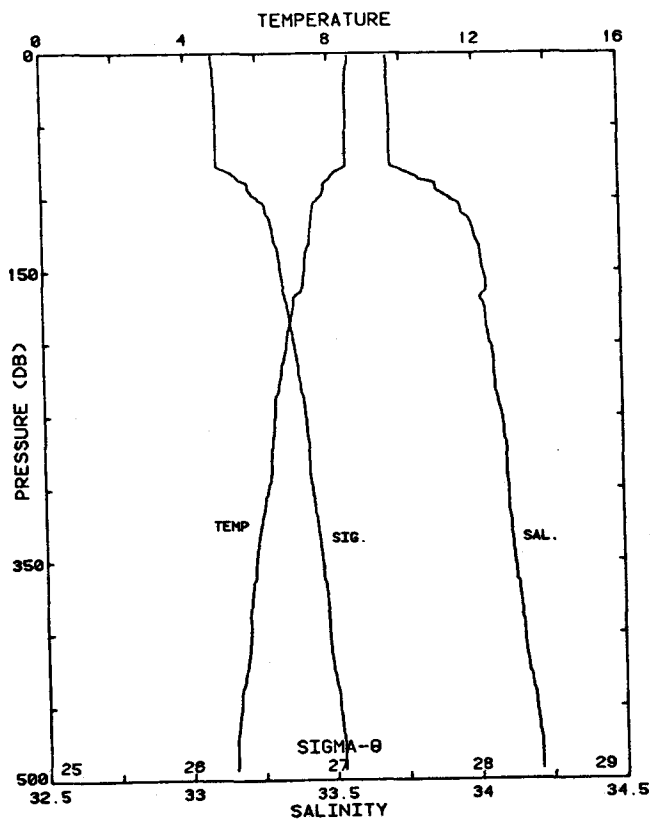
STA NO 15 ,CR2 LAT: 41 51.0 N LONG:124 24.1 W  
20 MAY 1982 1922 GMT PROBE 2567 DEPTH 67M  
16.3 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
3	8.263	33.784	8.263	26.301	173.1	0.005
10	8.121	33.796	8.120	26.332	170.2	0.017
20	8.108	33.809	8.106	26.344	169.3	0.034
30	8.033	33.836	8.030	26.376	166.4	0.051
40	7.895	33.890	7.891	26.439	160.6	0.067
50	7.588	33.982	7.583	26.556	149.6	0.083
60	7.379	34.002	7.374	26.601	145.5	0.098
62	7.371	33.999	7.366	26.601	145.6	0.100

STA NO 16 ,CR3 LAT: 41 54.0 N LONG:124 29.0 W  
20 MAY 1982 2004 GMT PROBE 2567 DEPTH 122M  
23.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.519	33.748	8.519	26.234	179.4	0.002
10	8.254	33.759	8.253	26.283	174.9	0.018
20	8.186	33.775	8.184	26.306	172.9	0.035
30	8.183	33.782	8.180	26.312	172.5	0.053
40	8.185	33.785	8.181	26.314	172.5	0.070
50	8.187	33.790	8.182	26.317	172.4	0.087
60	8.099	33.829	8.093	26.362	168.3	0.104
70	7.865	33.895	7.858	26.448	160.3	0.120
80	7.660	33.934	7.652	26.509	154.7	0.136
90	7.387	33.988	7.378	26.590	147.1	0.151
100	7.114	34.029	7.105	26.661	140.5	0.166
110	6.754	34.060	6.744	26.735	133.6	0.179
118	6.680	34.066	6.669	26.749	132.3	0.190



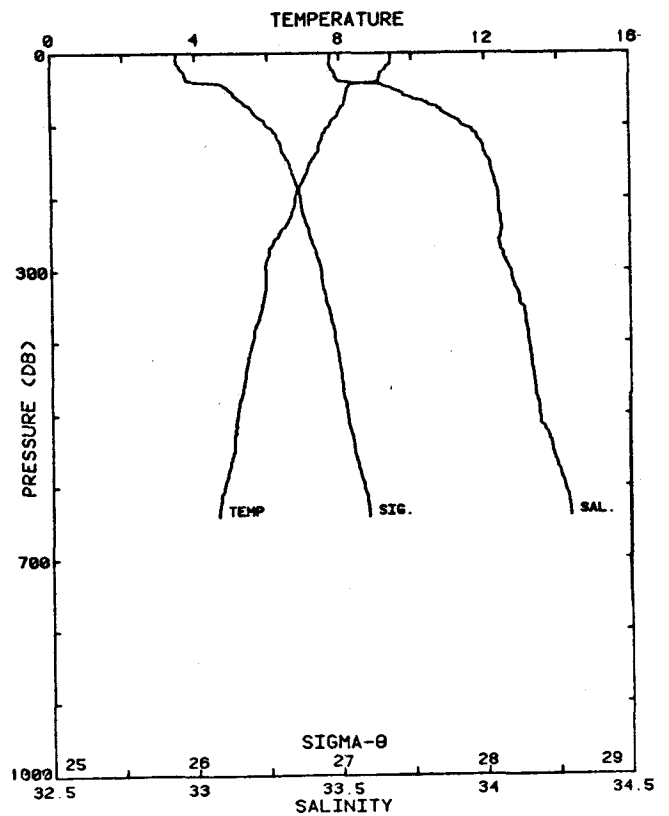


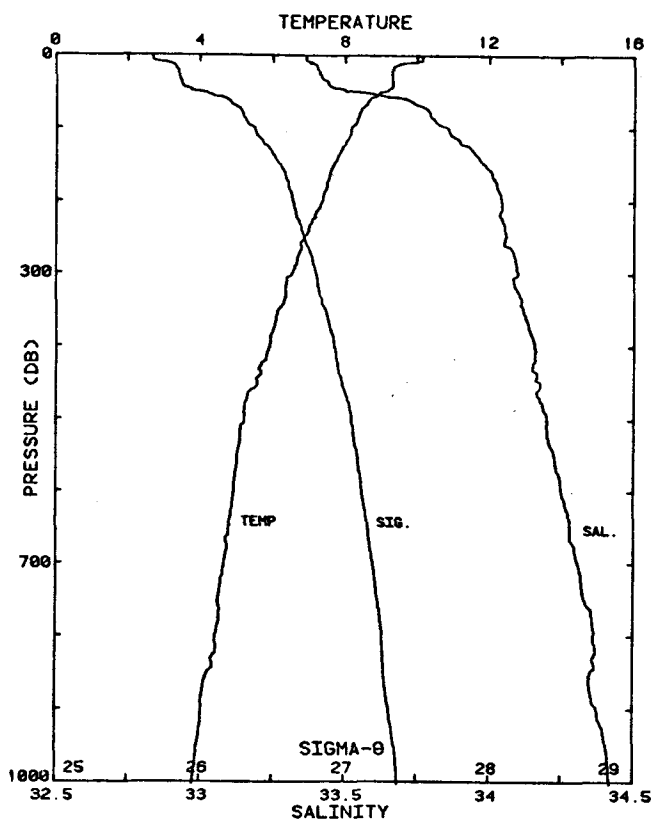
STA NO 17 ,CR4 LAT: 41 54.0 N LONG:124 36.0 W  
 20 MAY 1982 2059 GMT PROBE 2567 DEPTH 498M  
 32.9 KM FROM SHORE

PRESS	TEMP	SAL.	POTEN TEMP	SIGMA THETA	SVA	DELD
2	8.571	33.706	8.570	26.193	183.3	0.004
10	8.510	33.705	8.509	26.202	182.6	0.018
20	8.485	33.706	8.483	26.206	182.4	0.037
30	8.479	33.708	8.476	26.209	182.3	0.055
40	8.482	33.711	8.478	26.211	182.3	0.073
50	8.475	33.712	8.470	26.213	182.3	0.091
60	8.467	33.712	8.461	26.214	182.4	0.109
70	8.463	33.713	8.456	26.216	182.4	0.128
80	8.287	33.750	8.279	26.272	177.2	0.146
90	7.831	33.867	7.823	26.431	162.2	0.163
100	7.649	33.918	7.639	26.498	156.0	0.179
110	7.478	33.955	7.467	26.552	151.1	0.194
120	7.419	33.993	7.407	26.590	147.6	0.209
130	7.391	34.010	7.379	26.607	146.1	0.224
140	7.263	34.019	7.250	26.633	143.9	0.238
150	7.229	34.027	7.215	26.644	143.0	0.253
175	6.919	34.030	6.903	26.689	138.9	0.288
200	6.714	34.048	6.696	26.732	135.3	0.322
225	6.527	34.063	6.507	26.768	132.1	0.356
250	6.381	34.084	6.359	26.805	128.9	0.388
300	6.166	34.107	6.140	26.851	125.2	0.452
400	5.632	34.154	5.599	26.956	116.2	0.572
493	5.204	34.207	5.164	27.049	108.1	0.675

STA NO 18 ,CR5 LAT: 41 54.0 N LONG:124 42.0 W  
 20 MAY 1982 2202 GMT PROBE 2567 DEPTH 645M  
 40.7 KM FROM SHORE LIN INT SAL 302-312DB

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	9.425	33.470	9.425	25.873	213.6	0.004
10	9.425	33.466	9.424	25.871	214.1	0.021
20	9.289	33.470	9.287	25.896	211.9	0.043
30	9.141	33.487	9.138	25.933	208.5	0.064
40	9.077	33.501	9.073	25.954	206.8	0.085
50	8.239	33.685	8.234	26.228	180.9	0.103
60	8.189	33.727	8.183	26.268	177.2	0.121
70	8.139	33.802	8.132	26.335	171.1	0.139
80	8.007	33.852	7.999	26.394	165.6	0.155
90	7.899	33.887	7.890	26.437	161.7	0.172
100	7.739	33.922	7.729	26.488	157.1	0.188
110	7.586	33.961	7.575	26.541	152.1	0.203
120	7.489	33.979	7.478	26.569	149.6	0.218
130	7.402	33.995	7.390	26.594	147.4	0.233
140	7.319	34.002	7.306	26.611	145.9	0.248
150	7.193	34.016	7.179	26.640	143.3	0.262
175	6.967	34.033	6.951	26.685	139.4	0.297
200	6.751	34.046	6.733	26.725	135.9	0.332
225	6.639	34.052	6.619	26.745	134.3	0.366
250	6.310	34.053	6.288	26.789	130.3	0.399
300	5.928	34.088	5.902	26.866	123.5	0.462
400	5.539	34.147	5.506	26.962	115.5	0.582
500	5.123	34.185	5.083	27.042	108.8	0.694
600	4.745	34.269	4.698	27.152	99.1	0.798
642	4.587	34.288	4.538	27.184	96.2	0.839



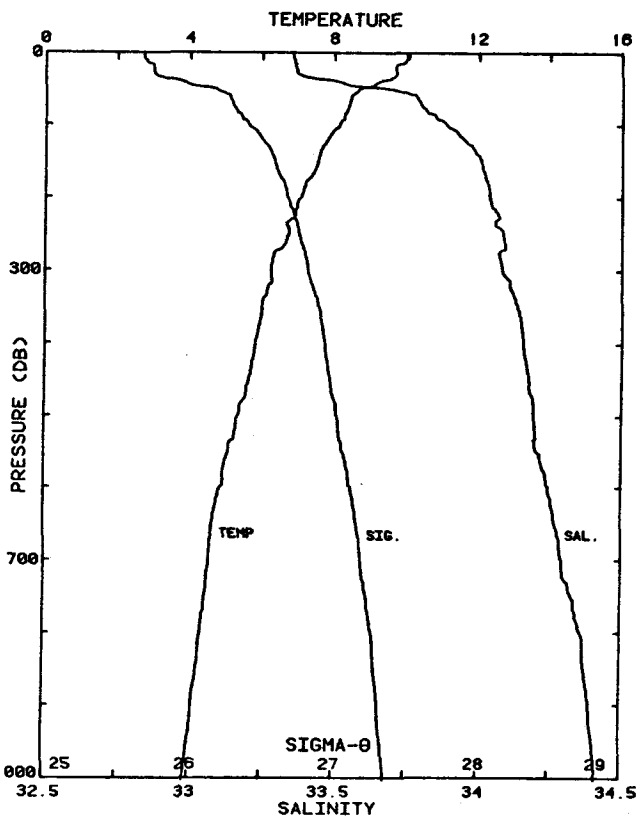


STA NO 19 ,EUR7 LAT: 40 52.0 N LONG:124 56.0 W  
21 MAY 1982 0353 GMT PROBE 2567 DEPTH 2930M  
64.6 KM FROM SHORE

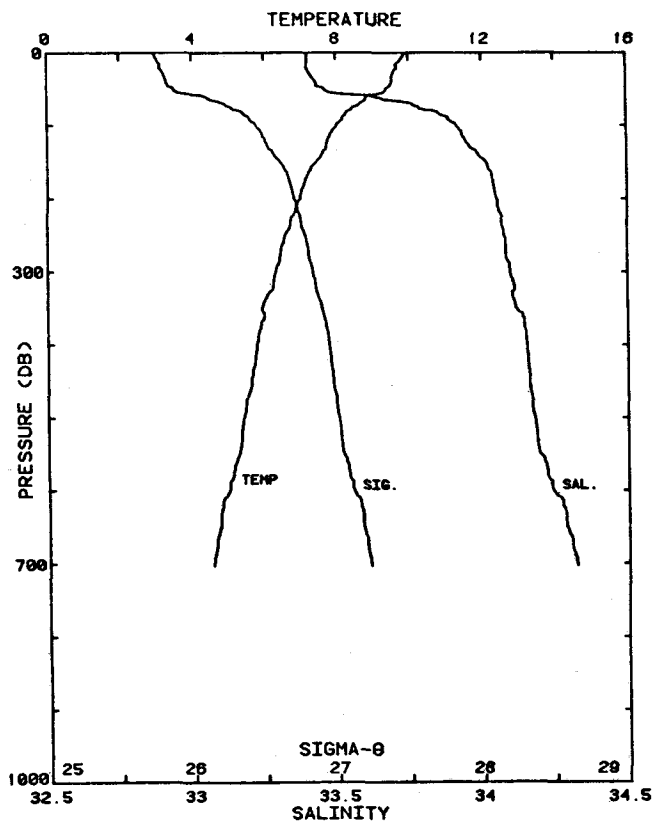
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.154	33.365	10.154	25.670	232.9	0.005
10	9.936	33.382	9.935	25.721	228.3	0.023
20	9.327	33.404	9.324	25.838	217.3	0.045
30	9.284	33.415	9.281	25.854	216.0	0.067
40	9.296	33.440	9.292	25.871	214.6	0.088
50	9.144	33.498	9.138	25.941	208.2	0.110
60	8.693	33.702	8.687	26.172	186.4	0.129
70	8.558	33.755	8.551	26.234	180.7	0.148
80	8.394	33.793	8.386	26.289	175.6	0.165
90	8.318	33.810	8.308	26.315	173.1	0.183
100	8.161	33.854	8.151	26.373	168.0	0.200
110	8.126	33.867	8.115	26.388	166.7	0.217
120	8.005	33.898	7.993	26.431	162.9	0.233
130	7.877	33.941	7.864	26.483	158.1	0.249
140	7.780	33.961	7.767	26.513	155.4	0.265
150	7.672	33.981	7.657	26.545	152.5	0.280
175	7.481	34.024	7.464	26.606	147.1	0.318
200	7.363	34.042	7.344	26.637	144.5	0.354
225	7.095	34.041	7.074	26.674	141.3	0.390
250	6.860	34.056	6.837	26.718	137.4	0.425
300	6.523	34.097	6.496	26.797	130.5	0.492
400	5.899	34.155	5.865	26.921	119.4	0.617
500	5.212	34.200	5.171	27.043	108.7	0.731
600	4.924	34.251	4.876	27.118	102.5	0.837
800	4.423	34.362	4.361	27.262	90.3	1.029
1000	3.822	34.420	3.747	27.373	80.6	1.201
1003	3.811	34.421	3.736	27.374	80.4	1.203

STA NO 20 ,EUR6 LAT: 40 52.0 N LONG:124 48.0 W  
21 MAY 1982 0515 GMT PROBE 2567 DEPTH 1555M  
53.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.052	33.357	10.052	25.682	231.8	0.002
10	10.004	33.360	10.003	25.692	231.0	0.023
20	9.687	33.365	9.685	25.749	225.8	0.046
30	9.699	33.377	9.695	25.757	225.3	0.069
40	9.213	33.510	9.208	25.940	208.1	0.090
50	8.696	33.681	8.691	26.155	187.8	0.111
60	8.437	33.779	8.431	26.272	176.9	0.129
70	8.394	33.794	8.387	26.290	175.4	0.146
80	8.325	33.813	8.317	26.316	173.1	0.164
90	8.245	33.849	8.236	26.356	169.5	0.181
100	8.117	33.886	8.107	26.404	165.0	0.198
110	7.917	33.923	7.906	26.463	159.6	0.214
120	7.799	33.946	7.787	26.499	156.4	0.230
130	7.660	33.975	7.647	26.541	152.5	0.245
140	7.591	33.991	7.578	26.564	150.5	0.260
150	7.529	34.007	7.514	26.586	148.6	0.275
175	7.271	34.023	7.255	26.635	144.2	0.312
200	7.077	34.038	7.058	26.674	140.9	0.347
225	6.909	34.069	6.888	26.722	136.6	0.382
250	6.732	34.086	6.709	26.760	133.4	0.416
300	6.257	34.084	6.230	26.821	128.0	0.481
400	5.814	34.158	5.780	26.937	118.1	0.603
500	5.359	34.195	5.318	27.022	111.0	0.718
600	4.887	34.216	4.840	27.118	102.5	0.825
800	4.340	34.361	4.278	27.271	89.3	1.017
1000	3.862	34.413	3.787	27.363	81.6	1.187
1003	3.858	34.414	3.783	27.364	81.5	1.190





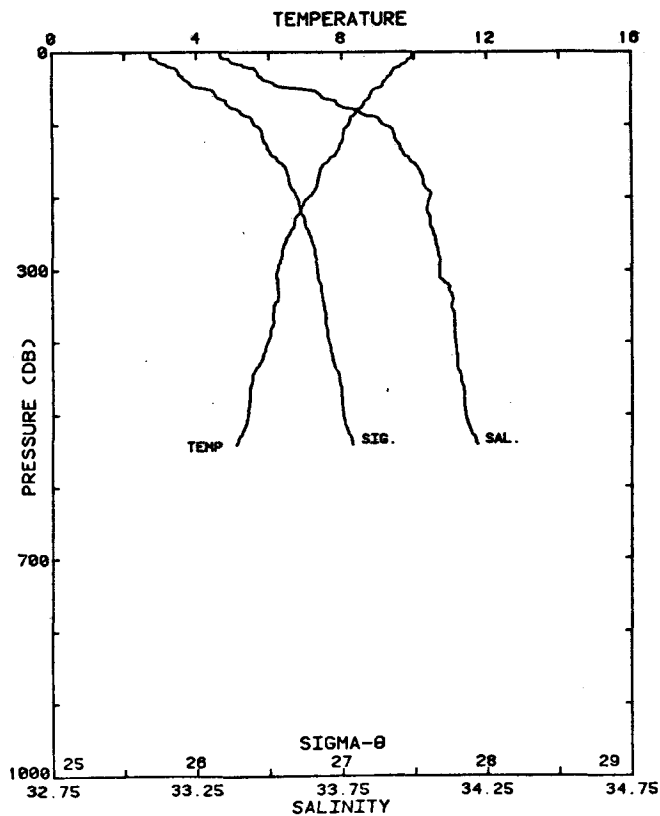


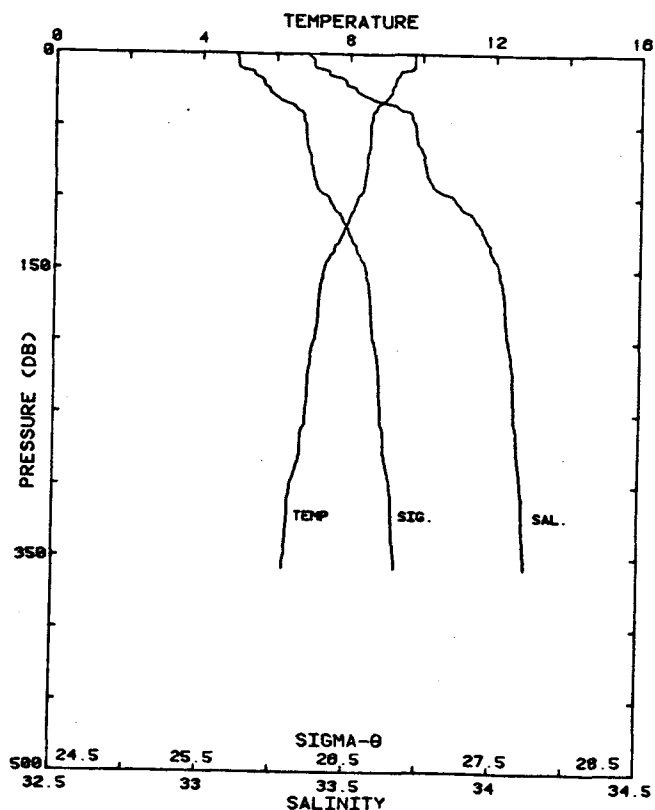
STA NO 21 ,EUR5 LAT: 40 52.0 N LONG:124 40.0 W  
21 MAY 1982 0634 GMT PROBE 2567 DEPTH 713M  
42.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.887	33.393	9.887	25.737	226.6	0.002
10	9.761	33.358	9.760	25.762	224.4	0.023
20	9.662	33.377	9.659	25.778	223.0	0.045
30	9.552	33.410	9.549	25.806	220.6	0.067
40	9.526	33.428	9.522	25.825	219.0	0.089
50	9.365	33.457	9.360	25.874	214.6	0.111
60	8.864	33.620	8.858	26.081	195.0	0.132
70	8.662	33.754	8.655	26.217	192.3	0.151
80	8.363	33.827	8.354	26.321	172.7	0.168
90	8.156	33.885	8.147	26.397	165.5	0.185
100	8.003	33.913	7.993	26.443	161.4	0.202
110	7.843	33.930	7.832	26.479	158.0	0.218
120	7.746	33.944	7.734	26.504	155.8	0.233
130	7.697	33.959	7.685	26.524	154.1	0.249
140	7.574	33.989	7.561	26.565	150.4	0.264
150	7.426	34.013	7.412	26.605	146.7	0.279
175	7.113	34.038	7.097	26.669	141.0	0.315
200	6.970	34.050	6.951	26.699	138.5	0.350
225	6.746	34.068	6.726	26.743	134.6	0.384
250	6.555	34.077	6.533	26.776	131.8	0.417
300	6.281	34.096	6.255	26.828	127.4	0.482
400	5.752	34.152	5.719	26.940	117.8	0.604
500	5.390	34.179	5.349	27.005	112.5	0.720
600	4.971	34.238	4.923	27.102	104.1	0.829
703	4.520	34.319	4.466	27.217	93.7	0.929

STA NO 22 ,EUR4 LAT: 40 52.0 N LONG:124 33.9 W  
21 MAY 1982 0746 GMT PROBE 2567 DEPTH 548M  
33.3 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.948	33.334	9.948	25.681	231.9	0.002
10	9.880	33.347	9.879	25.703	230.0	0.023
20	9.609	33.412	9.607	25.799	221.1	0.046
30	9.364	33.460	9.361	25.876	214.0	0.067
40	9.184	33.493	9.180	25.931	209.0	0.089
50	9.009	33.578	9.003	26.026	200.2	0.109
60	8.782	33.679	8.776	26.140	189.5	0.128
70	8.625	33.731	8.618	26.205	183.4	0.147
80	8.435	33.800	8.427	26.289	175.7	0.165
90	8.246	33.870	8.237	26.372	167.9	0.182
100	8.193	33.893	8.183	26.398	165.6	0.199
110	8.043	33.928	8.032	26.449	161.0	0.215
120	8.016	33.935	8.004	26.458	160.3	0.231
130	7.920	33.951	7.908	26.485	157.9	0.247
140	7.829	33.961	7.815	26.506	156.0	0.263
150	7.622	33.986	7.608	26.536	151.4	0.278
175	7.328	34.031	7.312	26.633	144.5	0.315
200	7.072	34.054	7.053	26.688	139.6	0.351
225	6.755	34.051	6.735	26.729	135.9	0.385
250	6.540	34.065	6.517	26.769	132.4	0.419
300	6.226	34.087	6.200	26.827	127.4	0.483
400	5.955	34.142	5.920	26.907	121.1	0.607
500	5.393	34.175	5.352	27.002	112.8	0.723
541	5.094	34.215	5.051	27.069	106.6	0.769





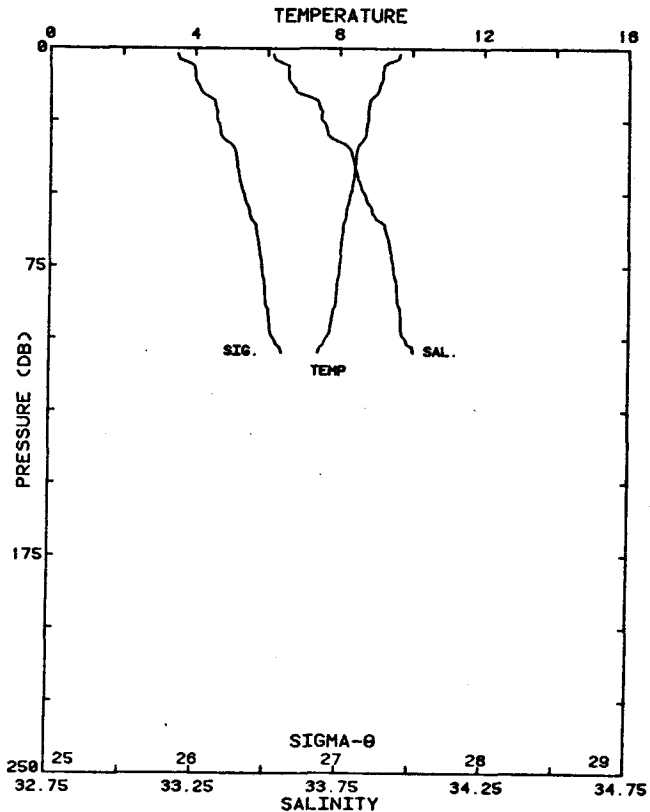
STATION 23 EUR 3

STA NO 23 ,EUR3 LAT: 40 52.0 N LONG:124 27.9 W  
21 MAY 1982 0851 GMT PROBE 2567 DEPTH 363M  
25.2 KM FROM SHORE

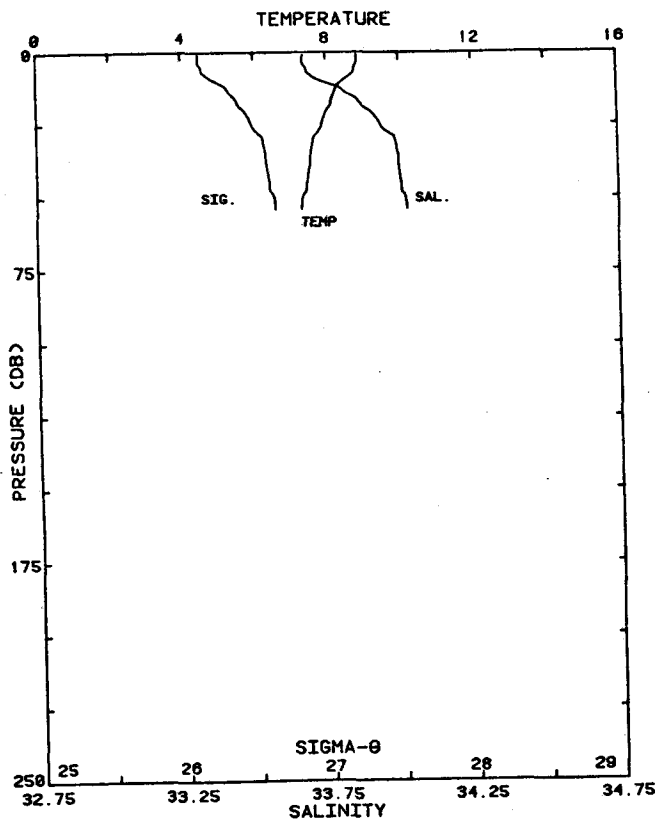
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.782	33.362	9.782	25.730	227.2	0.002
10	9.763	33.387	9.762	25.753	225.3	0.023
20	9.253	33.488	9.251	25.915	210.0	0.044
30	9.070	33.563	9.066	26.004	201.8	0.065
40	8.658	33.708	8.654	26.182	185.1	0.084
50	8.580	33.727	8.575	26.209	182.7	0.103
60	8.579	33.734	8.573	26.215	182.3	0.121
70	8.523	33.757	8.516	26.241	180.1	0.139
80	8.476	33.763	8.468	26.253	179.1	0.157
90	8.416	33.782	8.407	26.277	176.9	0.175
100	8.240	33.858	8.230	26.364	168.9	0.192
110	8.088	33.907	8.077	26.425	163.3	0.209
120	7.913	33.950	7.901	26.484	157.7	0.225
130	7.755	33.972	7.742	26.525	154.0	0.240
140	7.507	33.995	7.494	26.580	149.0	0.256
150	7.344	34.017	7.330	26.620	145.3	0.270
175	7.204	34.039	7.188	26.657	142.1	0.306
200	7.091	34.053	7.073	26.684	139.9	0.341
225	6.930	34.067	6.909	26.718	137.1	0.376
250	6.874	34.073	6.851	26.730	136.3	0.410
300	6.476	34.097	6.450	26.803	129.9	0.477
358	6.288	34.113	6.257	26.841	127.0	0.551

STA NO 24 ,EUR2 LAT: 40 52.0 N LONG:124 21.9 W  
21 MAY 1982 0948 GMT PROBE 2567 DEPTH 109M  
17.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	9.646	33.519	9.646	25.876	213.4	0.004
10	9.163	33.571	9.162	25.995	202.3	0.021
20	8.793	33.677	8.791	26.136	189.0	0.040
30	8.701	33.708	8.698	26.175	185.6	0.059
40	8.415	33.800	8.411	26.291	174.7	0.077
50	8.294	33.835	8.289	26.337	170.5	0.094
60	8.122	33.893	8.116	26.409	163.9	0.111
70	8.025	33.926	8.018	26.449	160.3	0.127
80	7.933	33.944	7.925	26.477	157.8	0.143
90	7.828	33.961	7.820	26.506	155.2	0.159
100	7.629	33.975	7.619	26.545	151.5	0.174
105	7.403	34.005	7.393	26.602	146.2	0.182



STATION 24 EUR2



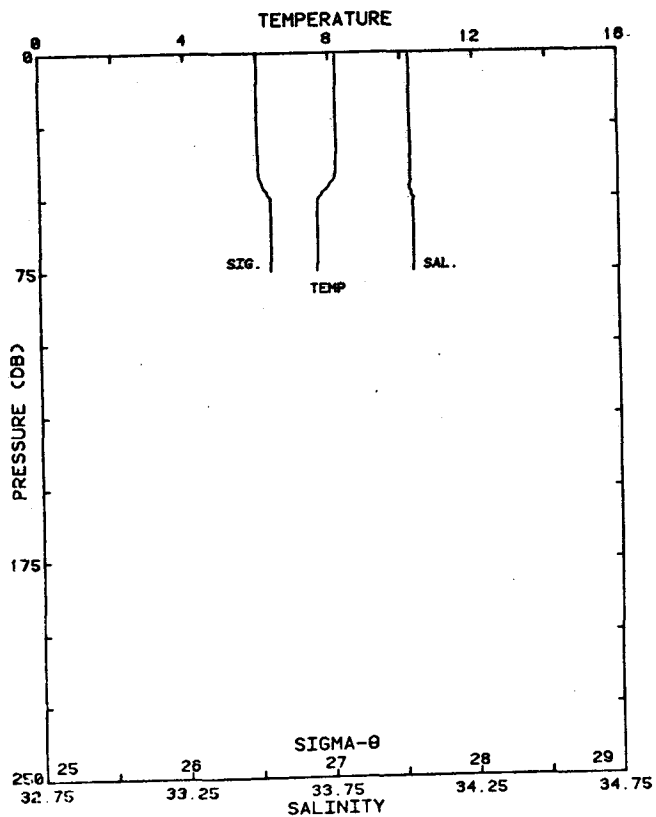
STATION 25 EUR1

STA NO 25 EUR1 LAT: 40 52.0 N LONG:124 16.0 W  
 21 MAY 1982 1036 GHT PROBE 2567 DEPTH 58M  
 9.1 KM FROM SHORE

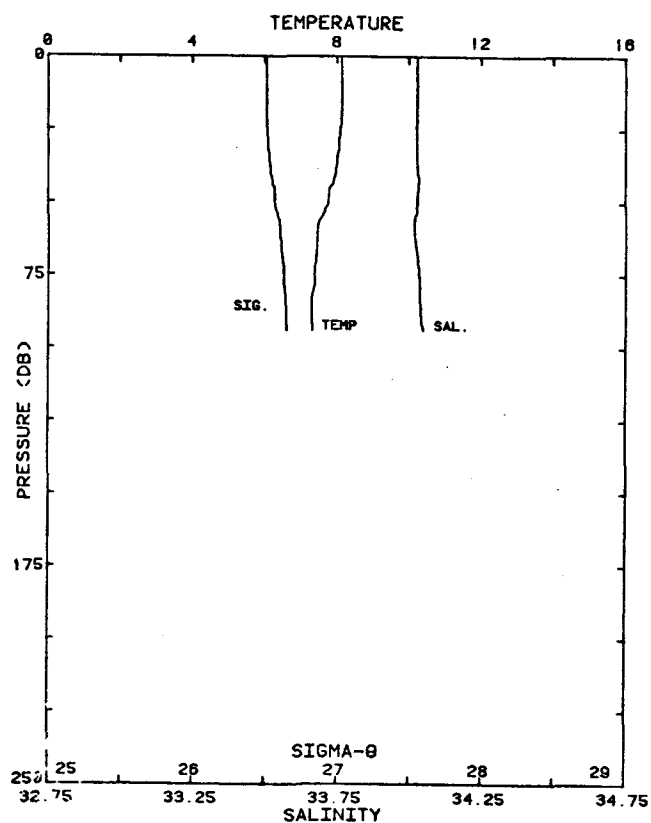
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.852	33.671	8.852	26.122	190.0	0.002
10	8.446	33.734	8.446	26.234	179.5	0.019
20	8.016	33.894	8.016	26.424	161.7	0.036
30	7.614	33.985	7.611	26.535	149.1	0.051
40	7.490	33.998	7.487	26.583	146.9	0.066
50	7.283	34.019	7.278	26.629	142.7	0.081
54	7.255	34.023	7.250	26.635	142.2	0.086

STA NO 26 COC2 LAT: 38 38.9 N LONG:123 26.9 W  
 22 MAY 1982 0751 GMT PROBE 2567 DEPTH 78M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.194	34.029	8.194	26.503	153.8	0.002
10	8.195	34.030	8.194	26.504	153.9	0.015
20	8.196	34.030	8.194	26.504	151.1	0.031
30	8.196	34.031	8.193	26.505	154.2	0.046
40	8.170	34.029	8.166	26.507	151.1	0.062
50	7.669	34.041	7.664	26.591	146.4	0.077
60	7.643	34.038	7.638	26.593	146.4	0.091
70	7.644	34.039	7.637	26.593	146.5	0.106
75	7.642	34.039	7.634	26.593	146.6	0.113



STATION 26 COC2

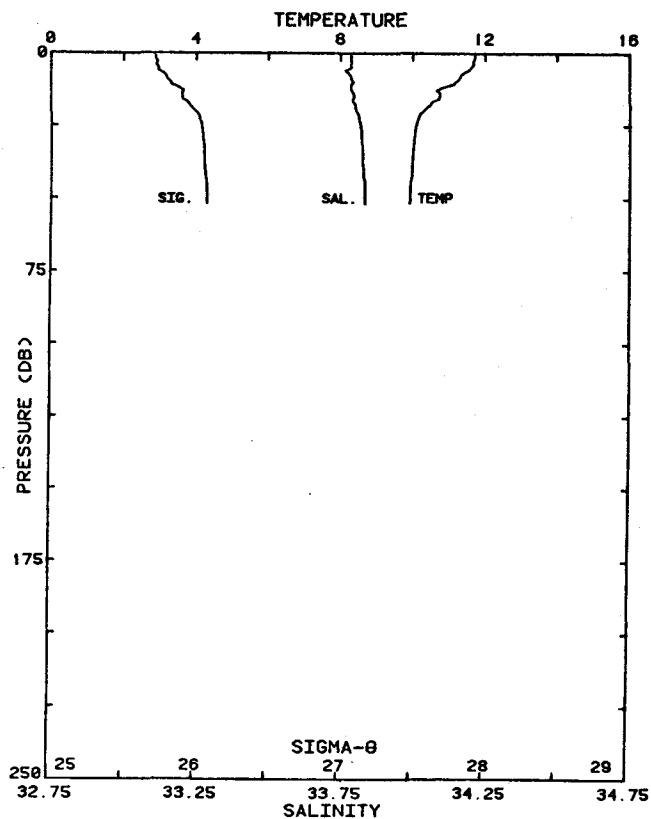


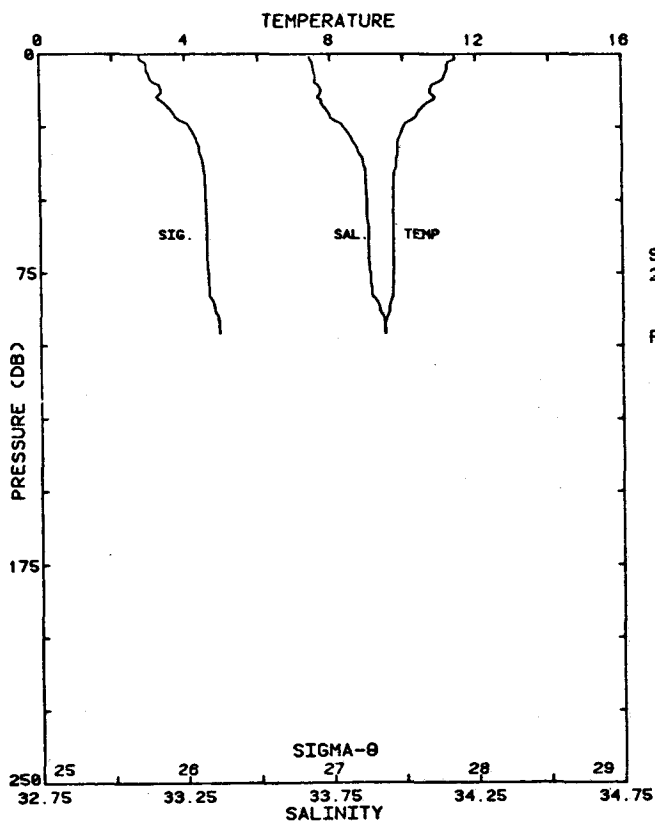
STA NO 27 ,COC3 LAT: 38 37.4 N LONG:123 29.0 W  
22 MAY 1982 0832 GMT PROBE 2567 DEPTH 94M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.134	34.030	8.136	26.513	152.9	0.002
10	8.130	34.030	8.129	26.513	153.0	0.015
20	8.126	34.029	8.124	26.514	153.2	0.031
30	8.057	34.029	8.054	26.524	152.4	0.046
40	7.966	34.031	7.962	26.540	151.1	0.061
50	7.755	34.030	7.750	26.570	148.4	0.076
60	7.452	34.019	7.446	26.605	145.2	0.091
70	7.407	34.032	7.400	26.622	143.8	0.105
80	7.340	34.039	7.332	26.636	142.5	0.119
90	7.296	34.043	7.287	26.646	141.7	0.134
94	7.302	34.049	7.293	26.650	141.5	0.139

STA NO 28 ,PUR1 LAT: 34 45.0 N LONG:120 42.0 W  
23 MAY 1982 1818 GMT PROBE 2567 DEPTH 55M  
6.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.731	33.787	11.731	25.717	228.4	0.002
10	11.195	33.794	11.194	25.822	218.8	0.023
20	10.298	33.803	10.296	25.987	203.3	0.044
30	10.032	33.823	10.029	26.048	197.6	0.064
40	9.983	33.829	9.978	26.061	196.6	0.083
50	9.929	33.834	9.923	26.075	195.6	0.103
52	9.921	33.836	9.915	26.078	195.3	0.107





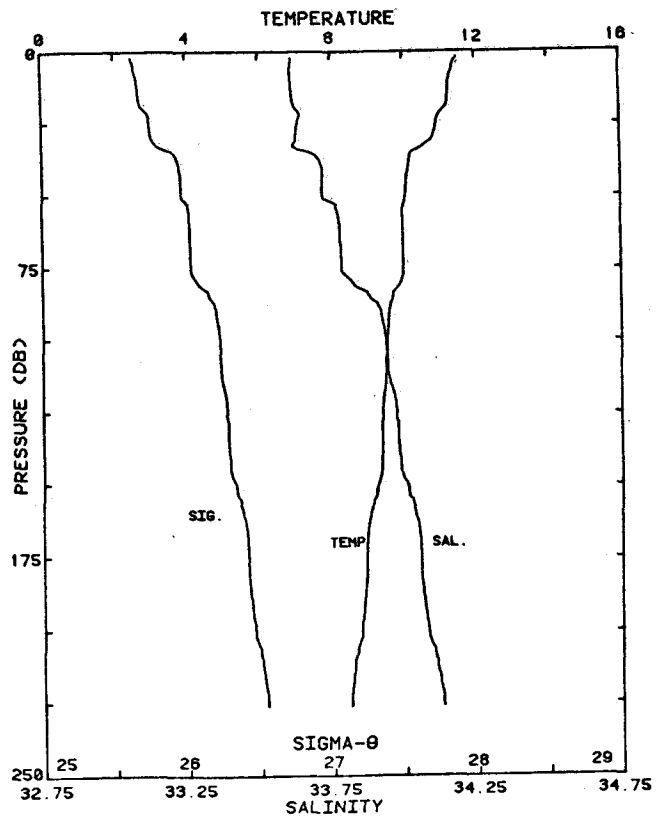
STATION 29 PUR2

STA NO 29 ,PUR2 LAT: 34 45.0 N LONG:120 48.0 W  
23 MAY 1982 1905 GMT PROBE 2567 DEPTH 100M  
15.5 KM FROM SHORE

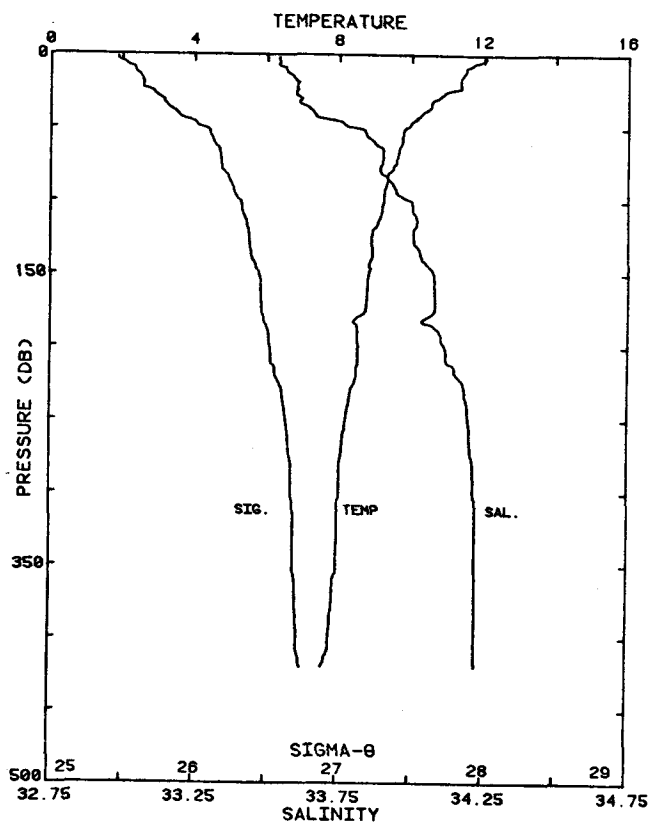
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.434	33.678	11.434	25.688	231.3	0.002
10	10.995	33.695	10.994	25.781	222.6	0.023
20	10.437	33.741	10.435	25.915	210.1	0.044
30	9.855	33.827	9.851	26.081	194.5	0.064
40	9.762	33.870	9.758	26.131	190.0	0.084
50	9.722	33.875	9.716	26.141	189.3	0.103
60	9.713	33.880	9.706	26.147	188.9	0.122
70	9.714	33.880	9.706	26.147	189.1	0.140
80	9.692	33.890	9.683	26.159	188.2	0.159
90	9.523	33.928	9.513	26.217	182.9	0.178
96	9.473	33.937	9.462	26.232	181.6	0.189

STA NO 30 ,PUR3 LAT: 34 45.0 N LONG:120 54.0 W  
23 MAY 1982 1955 GMT PROBE 2567 DEPTH 231M  
24.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.513	33.614	11.513	25.624	237.4	0.005
10	11.302	33.612	11.301	25.661	234.0	0.024
20	11.159	33.629	11.157	25.700	230.6	0.047
30	10.826	33.629	10.822	25.760	225.1	0.070
40	10.138	33.718	10.133	25.949	207.3	0.091
50	10.059	33.720	10.054	25.964	206.1	0.112
60	9.992	33.780	9.985	26.022	200.8	0.132
70	9.991	33.784	9.983	26.026	200.6	0.152
80	9.914	33.825	9.905	26.071	196.6	0.172
90	9.582	33.920	9.572	26.200	184.5	0.191
100	9.515	33.937	9.504	26.225	182.4	0.209
110	9.493	33.944	9.481	26.234	181.7	0.227
120	9.415	33.967	9.402	26.265	178.9	0.245
130	9.371	33.978	9.357	26.281	177.6	0.263
140	9.346	33.984	9.331	26.290	177.0	0.281
150	9.229	34.009	9.212	26.329	173.5	0.299
175	8.920	34.054	8.901	26.414	165.9	0.341
200	8.765	34.078	8.744	26.457	162.2	0.382
225	8.480	34.129	8.457	26.542	154.5	0.421
226	8.476	34.130	8.453	26.543	154.4	0.423



STATION 30 PUR3

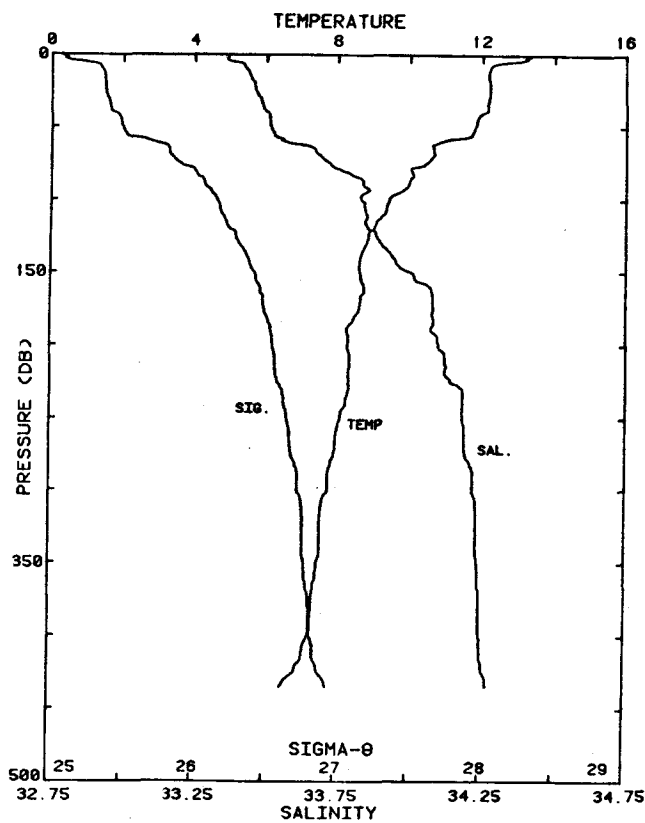


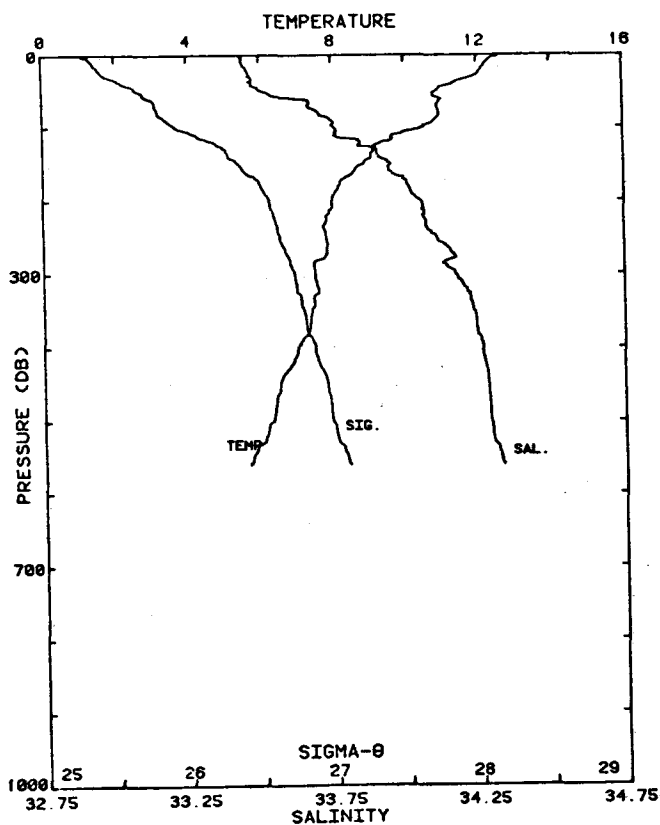
STA NO 31 ,PUR4 LAT: 34 44.9 N LONG:121 0.1 W  
23 MAY 1982 2049 GMT PROBE 2567 DEPTH 423M  
31.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SWA	DELD
2	12.059	33.542	12.059	25.466	252.4	0.005
10	11.497	33.566	11.496	25.590	240.8	0.025
20	11.345	33.607	11.342	25.649	235.4	0.049
30	10.718	33.621	10.715	25.773	223.9	0.072
40	10.301	33.662	10.296	25.877	214.1	0.094
50	9.834	33.810	9.828	26.072	195.8	0.114
60	9.735	33.872	9.728	26.137	189.9	0.133
70	9.618	33.902	9.610	26.180	186.0	0.152
80	9.410	33.895	9.401	26.209	183.4	0.171
90	9.295	33.941	9.285	26.264	178.1	0.189
100	9.238	34.000	9.227	26.319	173.4	0.206
110	9.162	34.014	9.150	26.343	171.3	0.224
120	8.940	34.008	8.927	26.374	168.5	0.241
130	8.908	34.012	8.894	26.382	167.9	0.257
140	8.920	34.039	8.905	26.401	166.4	0.274
150	8.822	34.078	8.806	26.447	162.1	0.291
175	8.734	34.084	8.715	26.466	160.9	0.331
200	8.542	34.118	8.521	26.523	155.9	0.370
225	8.450	34.181	8.427	26.587	150.3	0.409
250	8.221	34.202	8.195	26.638	145.8	0.446
300	8.053	34.221	8.022	26.679	142.7	0.518
400	7.792	34.228	7.752	26.721	140.1	0.659
420	7.601	34.229	7.560	26.753	137.5	0.687

STA NO 32 ,PUR5 LAT: 34 45.0 N LONG:121 12.1 W  
23 MAY 1982 2224 GMT PROBE 2567 DEPTH 445M  
51.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SWA	DELD
1	13.333	33.364	13.332	25.079	289.1	0.003
10	12.201	33.427	12.200	25.350	263.6	0.028
20	12.202	33.458	12.199	25.374	261.6	0.054
30	12.184	33.476	12.180	25.391	260.2	0.080
40	12.100	33.496	12.095	25.424	257.4	0.106
50	11.794	33.515	11.787	25.496	250.8	0.131
60	10.857	33.563	10.850	25.703	231.2	0.156
70	10.623	33.692	10.614	25.845	217.9	0.178
80	10.037	33.770	10.028	26.007	202.7	0.199
90	9.942	33.839	9.932	26.077	196.2	0.219
100	9.417	33.831	9.406	26.159	188.6	0.238
110	9.278	33.852	9.266	26.197	185.2	0.257
120	8.991	33.857	8.978	26.247	180.5	0.275
130	8.787	33.902	8.774	26.315	174.3	0.293
140	8.627	33.945	8.613	26.373	168.9	0.310
150	8.621	34.003	8.605	26.420	164.7	0.326
175	8.601	34.083	8.583	26.486	158.9	0.367
200	8.292	34.103	8.271	26.549	153.3	0.406
225	8.308	34.143	8.285	26.579	150.9	0.444
250	8.083	34.186	8.058	26.647	144.9	0.480
300	7.752	34.223	7.723	26.725	138.2	0.551
400	7.216	34.250	7.178	26.825	130.1	0.684
435	6.490	34.275	6.451	26.943	118.8	0.728



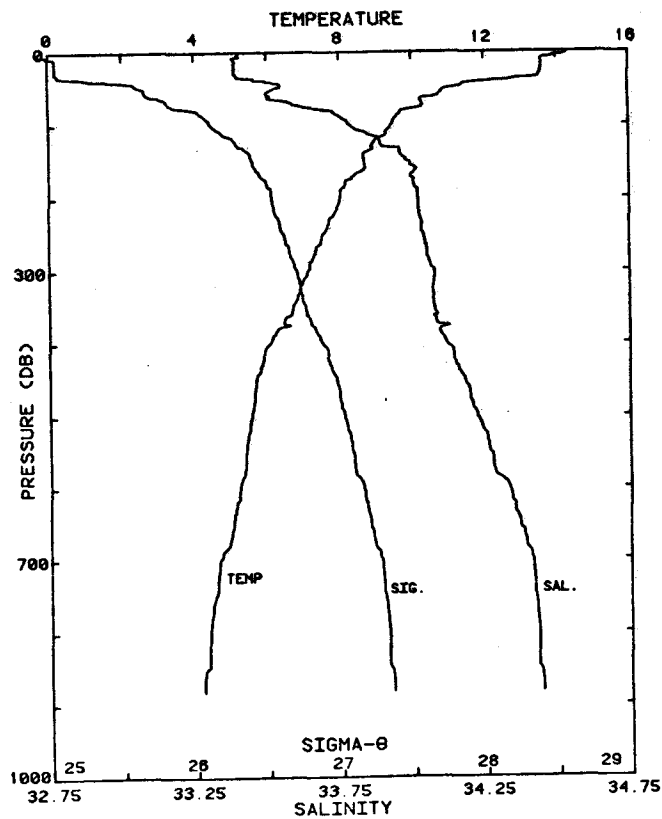


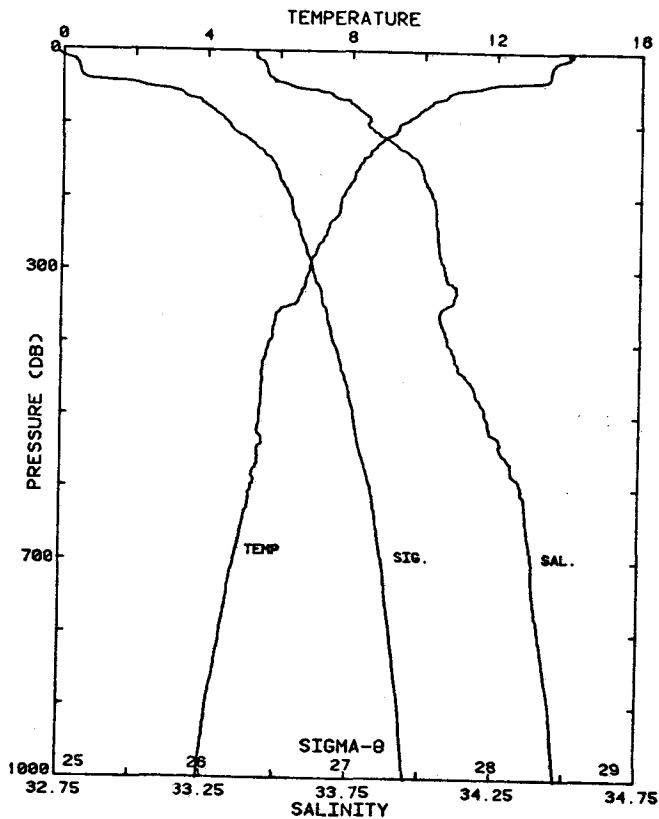
STA NO 33 ,PUR6 LAT: 34 45.0 N LONG:121 24.1 W  
23 MAY 1982 2350 GMT PROBE 2567 DEPTH 575M  
69.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	12.582	33.439	12.582	25.284	269.5	0.005
10	12.290	33.440	12.289	25.343	264.3	0.027
20	12.129	33.456	12.126	25.386	260.4	0.053
30	11.947	33.468	11.943	25.430	256.5	0.079
40	11.362	33.474	11.357	25.544	245.9	0.104
50	10.934	33.498	10.928	25.639	237.1	0.128
60	10.873	33.574	10.866	25.709	230.6	0.151
70	10.906	33.666	10.898	25.775	224.6	0.174
80	10.955	33.703	10.945	25.795	222.9	0.196
90	10.852	33.743	10.841	25.845	218.4	0.218
100	10.511	33.755	10.500	25.914	212.0	0.240
110	9.744	33.759	9.734	26.048	199.4	0.261
120	9.414	33.847	9.401	26.171	187.8	0.280
130	9.168	33.900	9.154	26.253	180.2	0.298
140	9.051	33.908	9.036	26.278	178.1	0.316
150	8.854	33.950	8.838	26.342	172.1	0.334
175	8.186	34.003	8.169	26.487	158.6	0.375
200	7.949	34.048	7.929	26.557	152.3	0.414
225	7.816	34.067	7.794	26.592	149.4	0.452
250	7.788	34.106	7.763	26.627	146.6	0.489
300	7.467	34.169	7.438	26.724	138.1	0.560
400	6.984	34.260	6.947	26.864	126.1	0.693
500	6.287	34.288	6.243	26.980	116.0	0.813
561	5.621	34.328	5.574	27.096	105.1	0.881

STA NO 34 ,PUR7 LAT: 34 45.0 N LONG:121 36.0 W  
24 MAY 1982 0122 GMT PROBE 2567 DEPTH 912M  
87.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	14.293	33.404	14.293	24.913	305.0	0.003
10	13.591	33.386	13.590	25.044	292.7	0.030
20	13.589	33.391	13.586	25.049	292.6	0.059
30	13.583	33.391	13.579	25.050	292.7	0.089
40	12.299	33.500	12.294	25.389	260.7	0.117
50	11.053	33.528	11.047	25.641	236.9	0.141
60	10.753	33.510	10.746	25.681	233.3	0.165
70	10.308	33.585	10.300	25.817	220.6	0.187
80	9.809	33.696	9.800	25.988	204.4	0.209
90	9.570	33.758	9.560	26.076	196.3	0.229
100	9.451	33.787	9.440	26.118	192.4	0.248
110	9.289	33.841	9.277	26.187	186.1	0.267
120	9.021	33.887	9.008	26.266	178.7	0.286
130	8.881	33.898	8.867	26.297	176.0	0.303
140	8.661	33.960	8.646	26.380	168.3	0.320
150	8.674	33.983	8.659	26.396	167.0	0.337
175	8.271	34.006	8.253	26.477	159.6	0.378
200	7.986	34.019	7.966	26.529	155.0	0.417
225	7.800	34.025	7.778	26.562	152.2	0.456
250	7.514	34.039	7.490	26.615	147.6	0.493
300	7.101	34.074	7.073	26.701	140.0	0.565
400	6.065	34.116	6.030	26.872	124.5	0.699
500	5.531	34.222	5.489	27.022	111.1	0.816
600	5.197	34.329	5.148	27.148	100.2	0.922
800	4.359	34.430	4.297	27.323	84.5	1.104
882	4.188	34.444	4.121	27.353	82.2	1.173





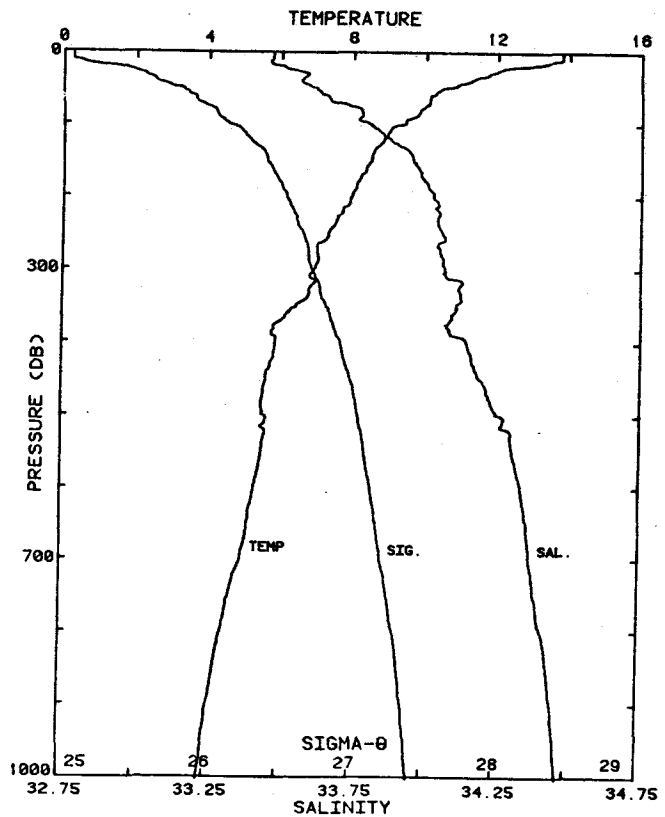
STATION 35 PUR8

STA NO 35 ,PUR8 LAT: 34 45.0 N LONG:121 48.0 W  
 24 MAY 1982 0304 GNT PROBE 2567 DEPTH 2619M  
 106.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	14.090	33.416	14.089	24.965	300.1	0.003
10	13.877	33.423	13.876	25.014	295.6	0.030
20	13.531	33.450	13.528	25.107	287.1	0.059
30	13.488	33.457	13.484	25.121	284.0	0.088
40	13.362	33.481	13.357	25.165	282.1	0.116
50	11.540	33.551	11.534	25.571	243.6	0.142
60	10.651	33.683	10.644	25.833	218.8	0.165
70	10.212	33.744	10.204	25.957	207.3	0.186
80	9.927	33.774	9.918	26.029	200.6	0.207
90	9.666	33.811	9.656	26.102	193.9	0.226
100	9.316	33.808	9.306	26.157	188.8	0.245
110	9.212	33.830	9.200	26.191	185.8	0.264
120	8.889	33.874	8.877	26.276	177.7	0.282
130	8.671	33.908	8.658	26.337	172.1	0.300
140	8.502	33.947	8.488	26.395	166.8	0.317
150	8.306	33.977	8.291	26.448	161.9	0.333
175	8.065	34.000	8.047	26.503	157.1	0.373
200	7.712	34.034	7.692	26.581	150.0	0.411
225	7.604	34.044	7.583	26.605	148.1	0.448
250	7.323	34.050	7.299	26.650	144.1	0.485
300	6.850	34.075	6.822	26.736	136.5	0.555
400	5.750	34.084	5.717	26.886	122.9	0.684
500	5.504	34.217	5.462	27.022	111.1	0.800
600	5.290	34.347	5.241	27.151	100.0	0.906
800	4.468	34.413	4.406	27.298	87.1	1.093
1000	3.888	34.475	3.811	27.409	77.3	1.256
1002	3.880	34.475	3.805	27.411	77.2	1.257

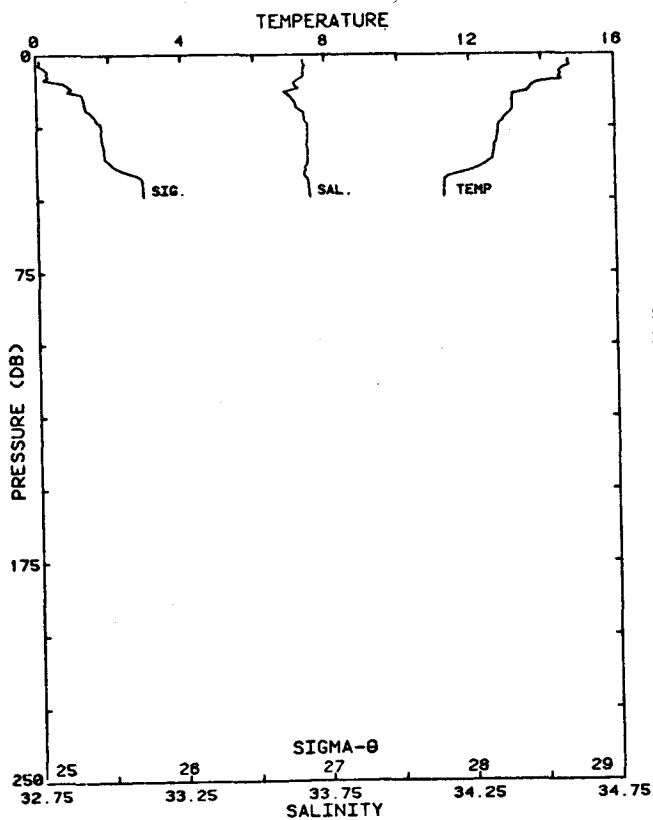
STA NO 36 ,PUR9 LAT: 34 45.0 N LONG:122 0.0 W  
 24 MAY 1982 0441 GNT PROBE 2567 DEPTH 4032M  
 124.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.803	33.472	13.803	25.067	290.3	0.003
10	13.804	33.470	13.802	25.066	290.7	0.029
20	12.483	33.511	12.481	25.361	262.8	0.057
30	11.792	33.591	11.789	25.555	244.6	0.083
40	11.268	33.568	11.263	25.634	237.4	0.107
50	10.690	33.609	10.684	25.769	224.7	0.130
60	10.256	33.643	10.249	25.870	215.2	0.152
70	10.088	33.673	10.080	25.923	210.5	0.173
80	9.850	33.776	9.841	26.044	199.2	0.193
90	9.708	33.779	9.698	26.070	196.9	0.213
100	9.415	33.807	9.404	26.139	190.4	0.232
110	8.987	33.840	8.976	26.234	181.6	0.251
120	8.845	33.876	8.832	26.285	176.9	0.269
130	8.699	33.911	8.685	26.335	172.3	0.286
140	8.548	33.946	8.534	26.386	167.6	0.303
150	8.491	33.957	8.476	26.404	166.1	0.320
175	8.187	33.989	8.169	26.475	159.7	0.361
200	7.952	34.028	7.933	26.541	153.9	0.400
225	7.645	34.052	7.623	26.606	148.1	0.438
250	7.332	34.060	7.308	26.657	143.5	0.474
300	6.933	34.068	6.905	26.719	138.1	0.544
400	5.870	34.146	5.836	26.920	119.8	0.673
500	5.574	34.265	5.532	27.051	108.5	0.787
600	5.335	34.343	5.285	27.143	100.8	0.892
800	4.456	34.415	4.394	27.301	86.7	1.081
1000	3.856	34.476	3.782	27.414	76.8	1.243
1003	3.848	34.477	3.774	27.415	76.7	1.245



STATION 36 PUR9





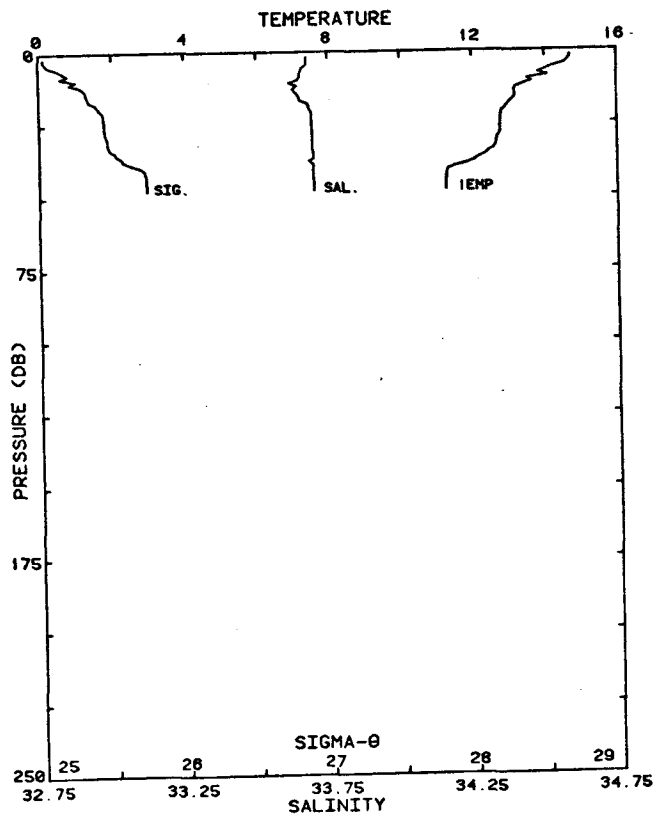
STATION 37 CAPI

STA NO 37 ,CAP1 LAT: 34 26.3 N LONG:120 2.0 W  
 24 MAY 1982 2026 GMT PROBE 2567 DEPTH 54M  
 2.8 KM FROM SHORE

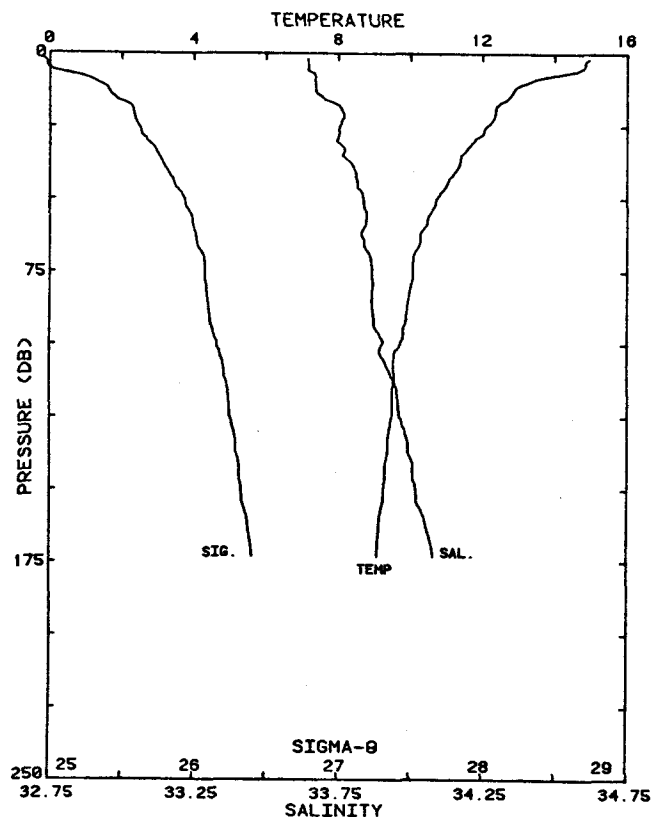
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	14.743	33.676	14.743	25.026	294.3	0.006
10	13.868	33.640	13.867	25.181	279.5	0.029
20	13.113	33.676	13.111	25.365	262.5	0.056
30	12.725	33.688	12.721	25.451	254.5	0.082
40	12.028	33.681	12.023	25.581	242.5	0.107
49	11.261	33.694	11.255	25.733	228.2	0.128

STA NO 38 ,CAP1 LAT: 34 26.3 N LONG:120 2.0 W  
 24 MAY 1982 2041 GMT PROBE 2567 DEPTH 54M  
 2.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	14.709	33.676	14.708	25.033	293.6	0.006
10	13.535	33.645	13.534	25.255	272.6	0.029
20	12.877	33.686	12.874	25.419	257.3	0.055
30	12.664	33.695	12.660	25.469	252.9	0.081
40	11.507	33.697	11.502	25.690	232.1	0.105
48	11.241	33.699	11.235	25.741	227.4	0.124



STATION 38 CAPI



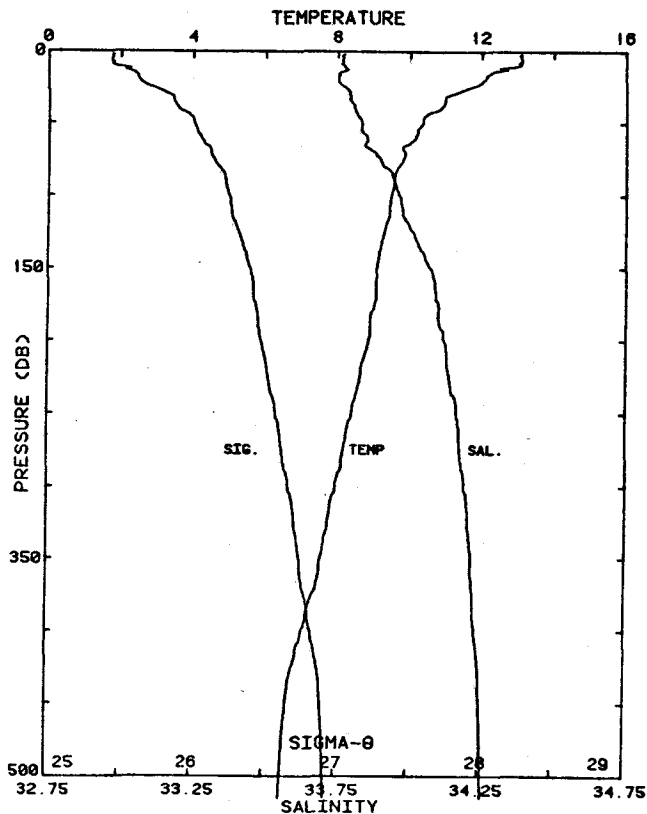
STATION 39 CAP2

STA NO 39 ,CAP2 LAT: 34 23.3 N LONG:120 2.0 W  
24 MAY 1982 2113 GMT PROBE 2567 DEPTH 180M  
8.3 KM FROM SHORE

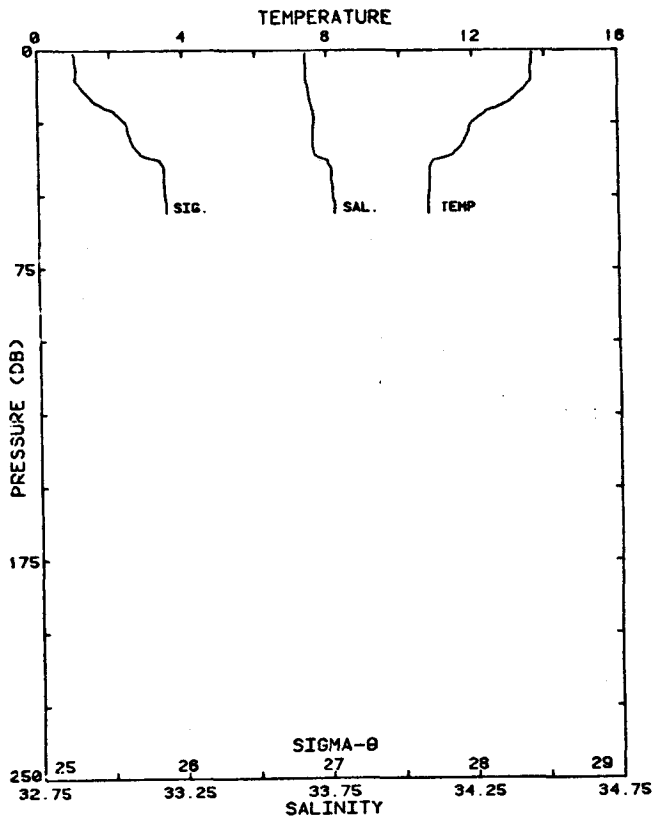
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	14.933	33.643	14.932	24.960	300.6	0.006
10	13.258	33.671	13.257	25.332	265.1	0.029
20	12.360	33.766	12.357	25.583	241.8	0.054
30	11.764	33.743	11.760	25.678	232.9	0.078
40	11.278	33.807	11.273	25.817	219.9	0.101
50	10.736	33.839	10.730	25.939	208.6	0.122
60	10.379	33.837	10.372	26.001	202.9	0.143
70	10.085	33.860	10.077	26.069	196.6	0.163
80	10.014	33.869	10.005	26.088	195.0	0.182
90	9.893	33.871	9.883	26.110	193.1	0.202
100	9.725	33.902	9.714	26.163	188.3	0.221
110	9.553	33.931	9.541	26.214	183.6	0.239
120	9.500	33.958	9.487	26.244	180.9	0.258
130	9.408	33.983	9.394	26.279	177.9	0.275
140	9.322	34.005	9.307	26.310	175.1	0.293
150	9.255	34.021	9.238	26.333	173.1	0.311
173	9.083	34.081	9.064	26.409	166.4	0.350

STA NO 40 ,CAP3 LAT: 34 20.3 N LONG:120 2.0 W  
24 MAY 1982 2152 GMT PROBE 2567 DEPTH 524M  
13.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	13.089	33.772	13.089	25.443	254.6	0.005
10	13.049	33.770	13.048	25.450	254.2	0.025
20	12.076	33.751	12.073	25.625	237.7	0.050
30	11.234	33.789	11.230	25.811	220.3	0.073
40	10.839	33.806	10.834	25.896	212.4	0.094
50	10.340	33.831	10.334	26.003	202.5	0.115
60	10.136	33.850	10.130	26.052	198.0	0.135
70	9.848	33.876	9.841	26.121	191.6	0.154
80	9.681	33.908	9.672	26.175	186.7	0.173
90	9.553	33.947	9.543	26.226	182.1	0.192
100	9.483	33.964	9.472	26.251	179.9	0.210
110	9.433	33.975	9.421	26.268	178.4	0.228
120	9.341	33.997	9.328	26.300	175.6	0.245
130	9.244	34.022	9.230	26.336	172.4	0.263
140	9.168	34.050	9.153	26.370	169.4	0.280
150	9.104	34.074	9.087	26.399	166.8	0.297
175	9.023	34.101	9.004	26.434	164.0	0.338
200	8.874	34.120	8.853	26.472	160.8	0.379
225	8.643	34.139	8.620	26.524	156.3	0.418
250	8.422	34.166	8.396	26.580	151.1	0.457
300	7.977	34.193	7.947	26.668	143.7	0.530
400	7.078	34.233	7.041	26.830	129.4	0.667
500	6.510	34.260	6.465	26.929	121.1	0.791
515	6.490	34.261	6.443	26.933	120.9	0.809



STATION 40 CAP3

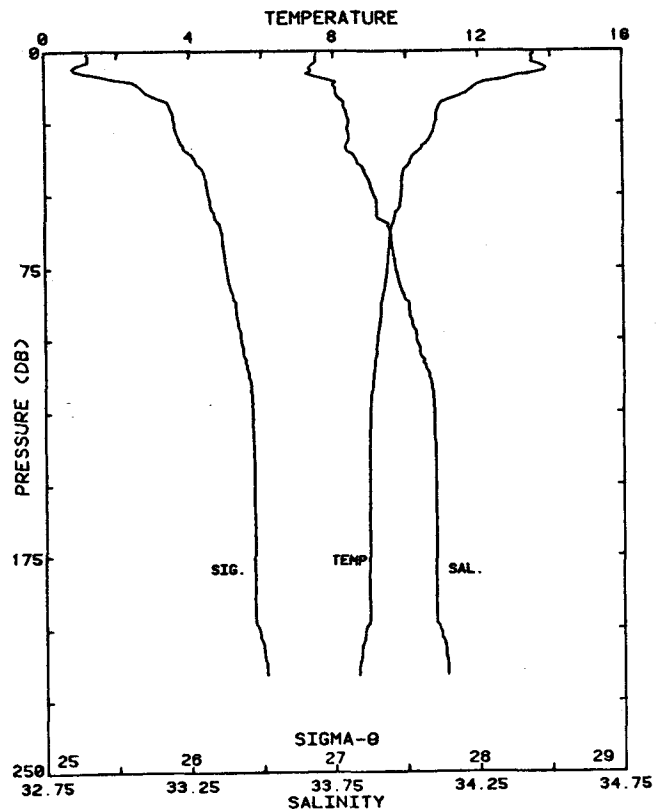


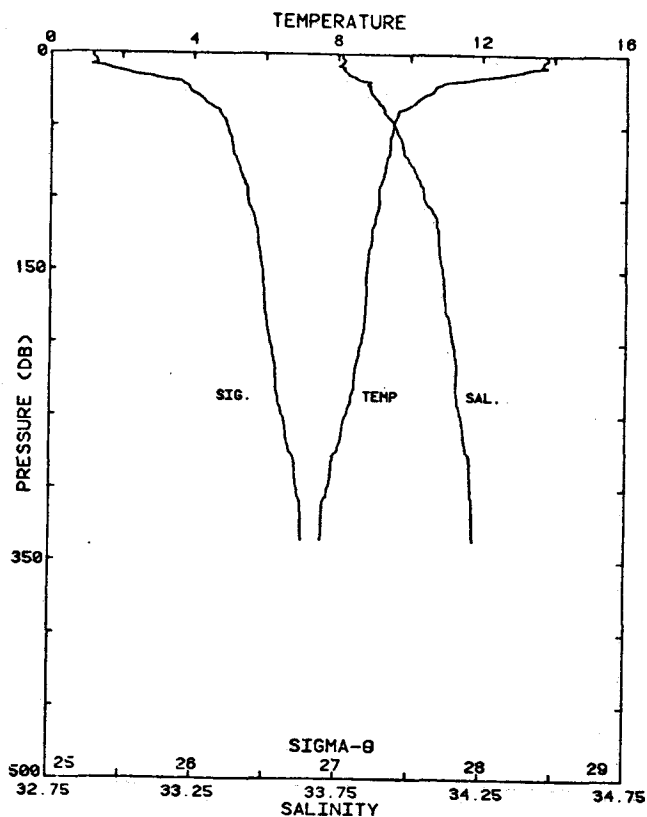
STA NO 41 ,HER1 LAT: 34 25.2 N LONG:120 24.3 W  
 25 MAY 1982 0013 GMT PROBE 2567 DEPTH 63M  
 3.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.675	33.675	13.674	25.250	273.0	0.003
10	13.617	33.675	13.615	25.262	272.0	0.027
20	12.658	33.695	12.655	25.469	252.6	0.054
30	11.790	33.699	11.786	25.639	236.7	0.078
40	10.803	33.760	10.798	25.866	215.3	0.101
50	10.767	33.767	10.761	25.878	214.4	0.122
56	10.756	33.770	10.749	25.883	214.1	0.135

STA NO 42 ,HER2 LAT: 34 22.2 N LONG:120 24.1 W  
 25 MAY 1982 0052 GMT PROBE 2567 DEPTH 225M  
 9.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.530	33.689	13.530	25.290	269.1	0.003
10	12.739	33.729	12.738	25.480	251.3	0.027
20	10.901	33.789	10.899	25.871	214.3	0.050
30	10.659	33.803	10.656	25.925	209.4	0.071
40	10.043	33.848	10.039	26.066	196.2	0.091
50	9.865	33.887	9.859	26.127	190.7	0.111
60	9.610	33.937	9.603	26.209	183.1	0.129
70	9.507	33.956	9.500	26.240	180.3	0.147
80	9.409	33.975	9.401	26.271	177.5	0.165
90	9.281	34.010	9.271	26.320	173.1	0.183
100	9.191	34.034	9.180	26.353	170.1	0.200
110	9.105	34.063	9.093	26.390	166.8	0.217
120	9.004	34.091	8.991	26.428	163.4	0.233
130	8.983	34.096	8.969	26.436	162.9	0.250
140	8.968	34.097	8.954	26.439	162.8	0.266
150	8.945	34.099	8.949	26.441	162.8	0.282
175	8.964	34.098	8.945	26.441	163.3	0.323
200	8.840	34.112	8.819	26.471	160.9	0.364
216	8.649	34.139	8.626	26.523	156.2	0.389

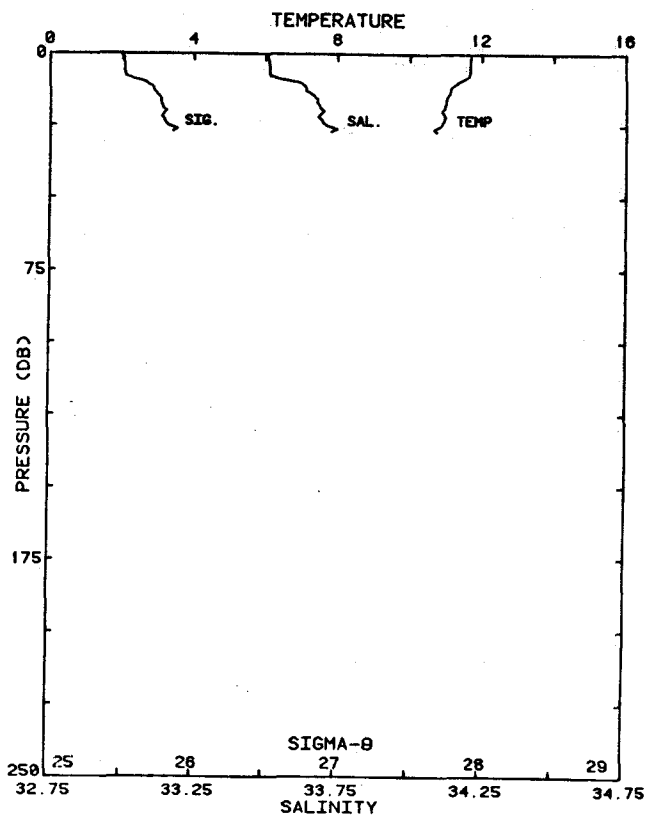




STATION 43 HER3

STA NO 43 ,HER3 LAT: 34 18.8 N LONG:120 24.0 W  
 25 MAY 1982 0138 GNT PROBE 2567 DEPTH 319M  
 15.7 KM FROM SHORE

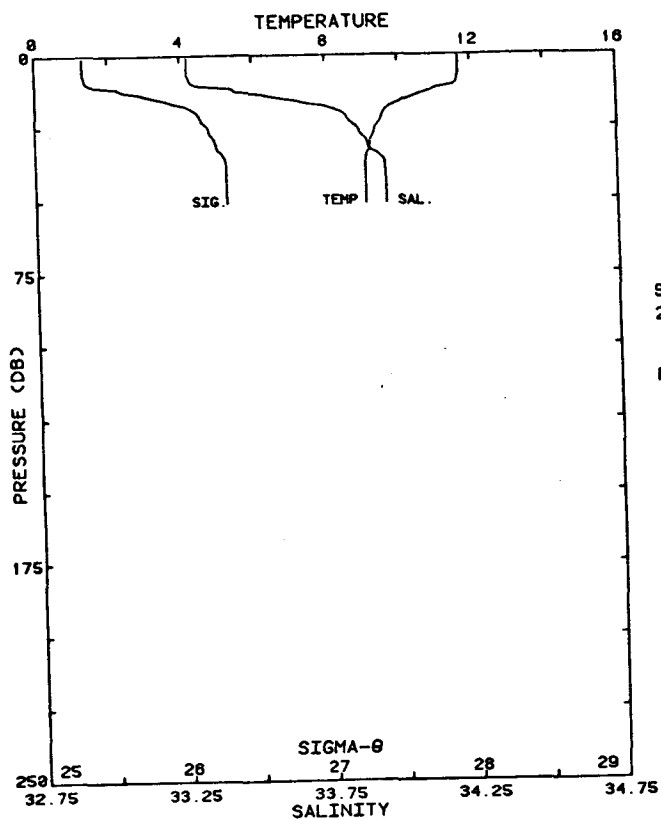
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.762	33.764	13.762	25.300	268.1	0.003
10	13.422	33.773	13.420	25.378	261.0	0.027
20	11.023	33.860	11.021	25.904	211.2	0.051
30	10.343	33.873	10.340	26.034	199.1	0.071
40	9.659	33.909	9.654	26.178	185.5	0.091
50	9.514	33.945	9.510	26.230	180.8	0.109
60	9.424	33.969	9.418	26.264	177.8	0.127
70	9.401	33.978	9.394	26.275	177.0	0.144
80	9.296	34.013	9.287	26.320	172.9	0.162
90	9.185	34.034	9.175	26.354	169.8	0.179
100	9.131	34.048	9.120	26.374	168.1	0.196
110	9.082	34.082	9.070	26.408	165.1	0.213
120	8.957	34.094	8.944	26.438	162.4	0.229
130	8.931	34.100	8.917	26.447	161.8	0.245
140	8.847	34.105	8.832	26.464	160.3	0.261
150	8.797	34.114	8.781	26.480	159.1	0.277
175	8.761	34.124	8.743	26.493	158.3	0.317
200	8.647	34.149	8.627	26.531	155.2	0.356
225	8.457	34.160	8.434	26.570	151.9	0.394
250	8.225	34.178	8.199	26.619	147.6	0.432
300	7.734	34.213	7.705	26.720	138.7	0.503
336	7.546	34.222	7.513	26.755	135.9	0.553



STATION 44 HMI

STA NO 44 ,HMI LAT: 37 24.5 N LONG:122 28.2 W  
 25 MAY 1982 2259 GNT PROBE 2567 DEPTH 32M  
 3.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.691	33.506	11.691	25.507	248.5	0.002
10	11.319	33.617	11.318	25.661	234.0	0.025
20	10.873	33.701	10.870	25.807	220.4	0.047
27	10.720	33.726	10.717	25.854	216.1	0.063



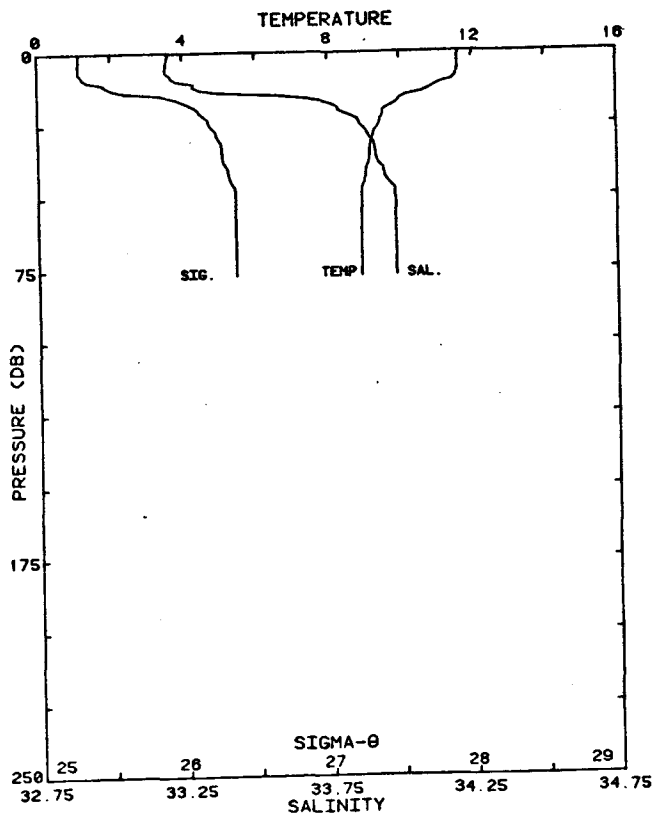
STATION 45 HM2

STA NO 45 ,HM2 LAT: 37 23.8 N LONG:122 33.5 W  
25 MAY 1982 2348 GNT PROBE 2567 DEPTH 63M  
11.3 KM FROM SHORE

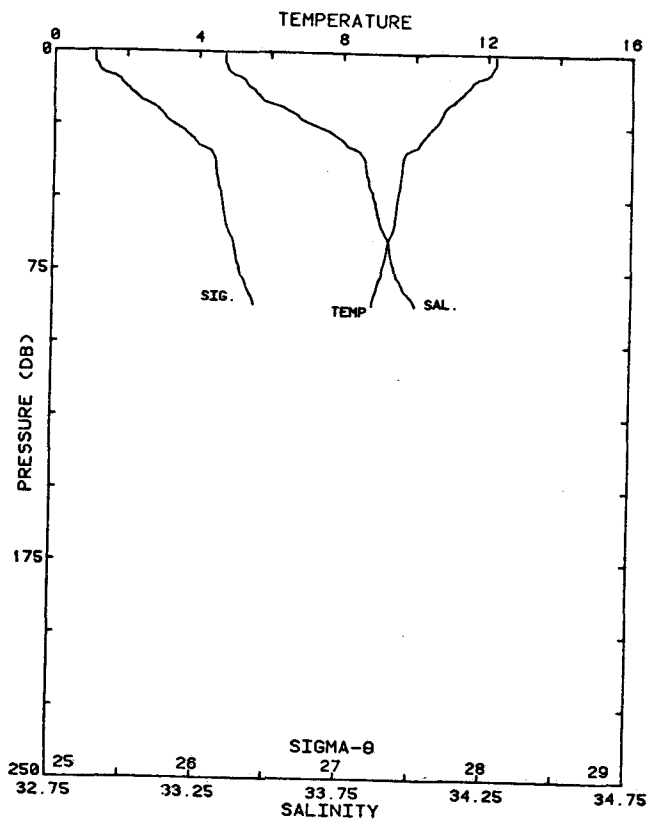
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.681	33.274	11.681	25.329	265.4	0.003
10	11.609	33.287	11.608	25.352	263.4	0.027
20	9.580	33.804	9.577	26.109	191.6	0.049
30	9.218	33.892	9.215	26.237	179.7	0.067
40	9.071	33.954	9.067	26.309	173.1	0.085
50	9.071	33.956	9.065	26.311	173.1	0.102
51	9.070	33.956	9.065	26.311	173.1	0.104

STA NO 46 ,HM3 LAT: 37 23.0 N LONG:122 39.1 W  
26 MAY 1982 0036 GNT PROBE 2567 DEPTH 82M  
19.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	11.624	33.197	11.624	25.280	270.0	0.000
10	11.439	33.228	11.438	25.338	264.7	0.027
20	9.521	33.786	9.519	26.105	192.0	0.049
30	9.207	33.898	9.204	26.243	179.1	0.068
40	9.051	33.939	9.047	26.300	173.9	0.086
50	8.908	33.981	8.902	26.356	168.8	0.103
60	8.904	33.983	8.898	26.358	168.7	0.120
70	8.902	33.984	8.894	26.360	168.9	0.136
77	8.902	33.984	8.893	26.360	169.0	0.14E



STATION 46 HM3



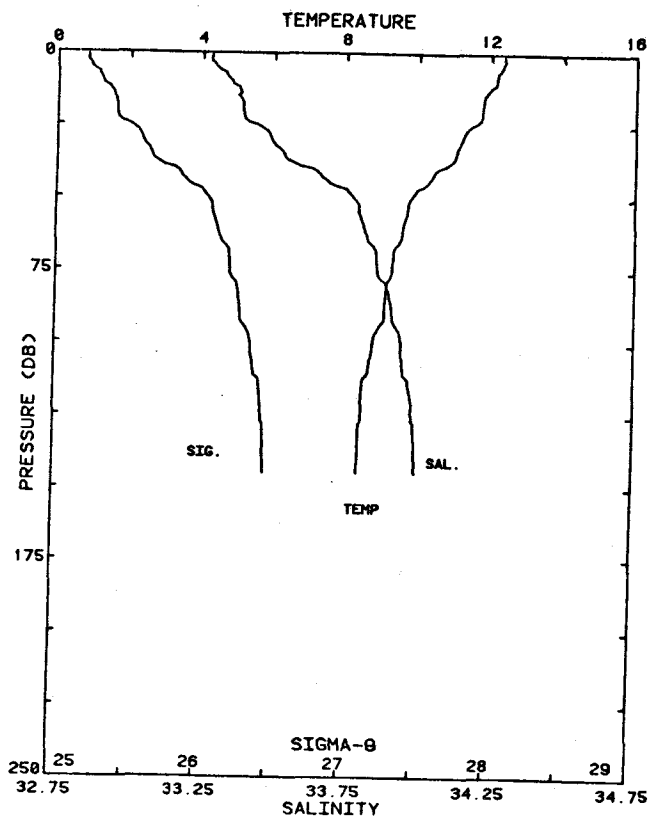
STATION 47 HM4

STA NO 47 ,HM4 LAT: 37 22.2 N LONG:122 41.9 W  
26 MAY 1982 0125 GMT PROBE 2567 DEPTH 95M  
28.3 KM FROM SHORE

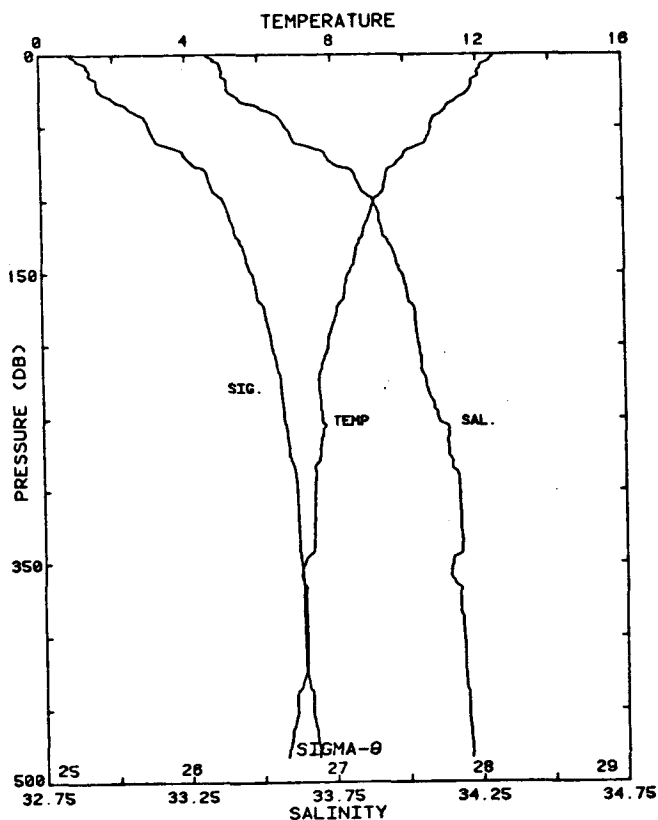
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.216	33.339	12.216	25.279	270.2	0.003
10	11.572	33.412	11.571	25.456	253.5	0.027
20	10.764	33.558	10.762	25.715	229.1	0.051
30	10.148	33.745	10.144	25.968	205.3	0.073
40	9.622	33.829	9.618	26.122	190.9	0.092
50	9.510	33.856	9.504	26.162	187.3	0.111
60	9.409	33.884	9.403	26.200	183.8	0.130
70	9.177	33.916	9.169	26.263	178.1	0.148
80	8.935	33.954	8.927	26.331	171.7	0.165
87	8.802	34.001	8.793	26.389	166.4	0.177

STA NO 48 ,HMS LAT: 37 21.3 N LONG:122 50.8 W  
26 MAY 1982 0217 GMT PROBE 2567 DEPTH 156M  
37.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.361	33.282	12.360	25.207	277.0	0.003
10	12.113	33.351	12.112	25.308	267.6	0.027
20	11.735	33.391	11.733	25.410	258.2	0.053
30	11.181	33.490	11.178	25.589	241.4	0.078
40	10.534	33.632	10.529	25.814	220.2	0.102
50	9.804	33.777	9.799	26.052	197.8	0.123
60	9.594	33.813	9.588	26.114	192.0	0.142
70	9.313	33.856	9.306	26.194	184.6	0.161
80	9.133	33.893	9.124	26.252	179.3	0.179
90	9.086	33.913	9.077	26.276	177.3	0.197
100	8.780	33.947	8.769	26.351	170.3	0.215
110	8.663	33.955	8.651	26.375	168.1	0.232
120	8.483	33.985	8.471	26.427	163.4	0.248
130	8.416	33.993	8.403	26.443	162.0	0.264
140	8.417	33.999	8.403	26.448	161.8	0.281
145	8.399	34.002	8.385	26.453	161.4	0.289



STATION 48 HMS

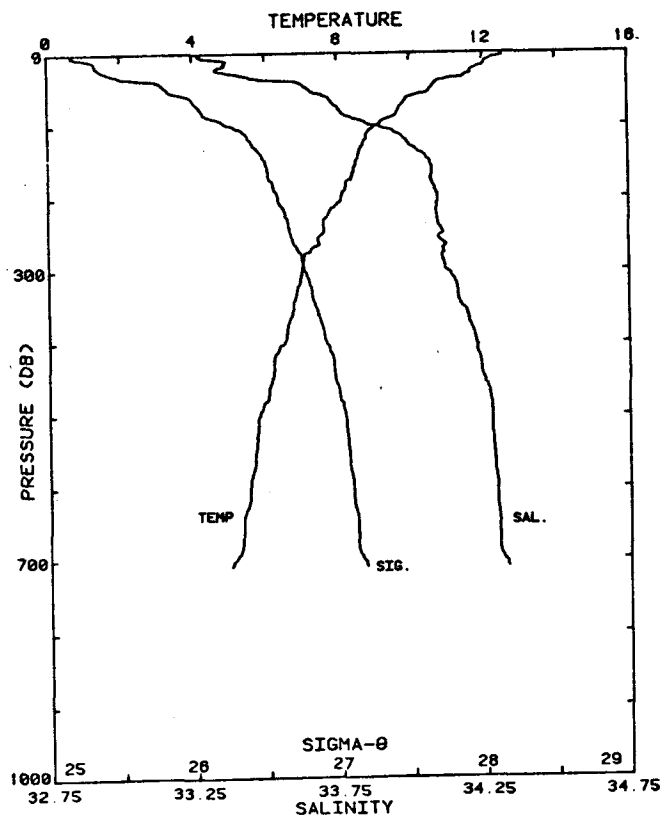


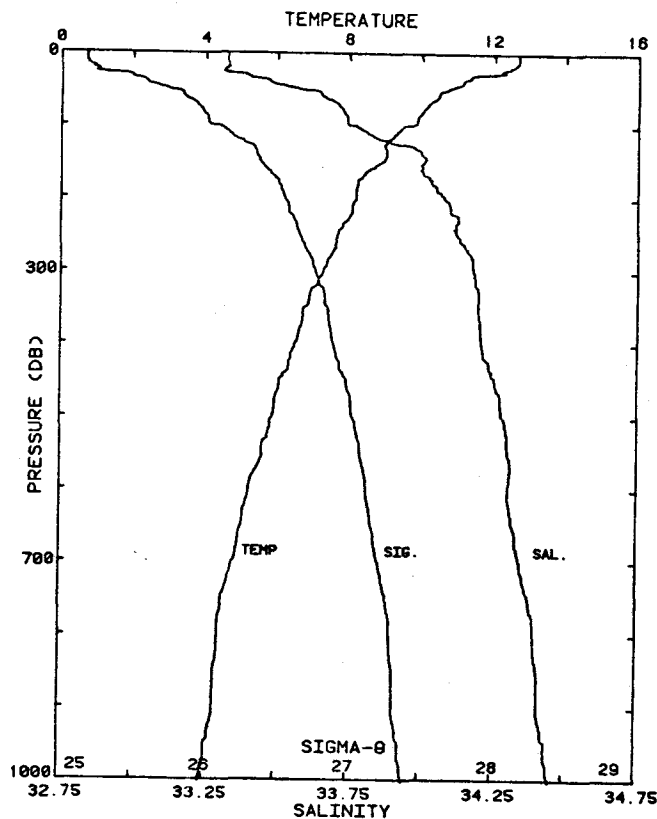
STA NO 49 ,HM6 LAT: 37 20.6 N LONG:122 56.9 W  
26 MAY 1982 0318 GMT PROBE 2567 DEPTH 195M  
46.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.487	33.325	12.487	25.216	276.2	0.003
10	12.112	33.369	12.110	25.322	266.3	0.027
20	11.859	33.390	11.856	25.386	260.4	0.053
30	11.507	33.428	11.504	25.481	251.7	0.079
40	11.046	33.546	11.041	25.656	235.2	0.104
50	10.729	33.591	10.723	25.748	226.7	0.127
60	10.579	33.619	10.572	25.796	222.4	0.149
70	9.957	33.728	9.949	25.988	204.3	0.170
80	9.499	33.819	9.490	26.135	190.5	0.190
90	9.401	33.843	9.391	26.170	187.4	0.209
100	9.117	33.889	9.106	26.252	179.7	0.227
110	8.984	33.908	8.973	26.288	176.5	0.245
120	8.826	33.916	8.813	26.320	173.6	0.263
130	8.665	33.939	8.651	26.363	169.6	0.280
140	8.556	33.962	8.541	26.398	166.6	0.297
150	8.398	33.985	8.383	26.440	162.7	0.313
175	8.066	34.027	8.049	26.523	155.2	0.353
200	7.809	34.040	7.790	26.572	150.9	0.391
225	7.546	34.064	7.525	26.629	145.8	0.428
250	7.628	34.104	7.603	26.649	144.4	0.465
300	7.428	34.174	7.399	26.734	137.1	0.535
400	7.185	34.188	7.147	26.780	131.2	0.670
483	6.634	34.211	6.590	26.874	126.1	0.779

STA NO 50 ,HM7 LAT: 37 19.7 N LONG:123 3.1 W  
26 MAY 1982 0428 GMT PROBE 2567 DEPTH 729M  
55.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.493	33.266	12.493	25.170	280.6	0.003
10	12.205	33.353	12.204	25.292	269.1	0.028
20	11.911	33.340	11.909	25.338	265.0	0.054
30	11.644	33.408	11.640	25.440	255.6	0.081
40	10.753	33.609	10.749	25.757	225.6	0.105
50	10.568	33.649	10.562	25.821	219.7	0.127
60	10.051	33.705	10.044	25.954	207.3	0.149
70	9.795	33.734	9.787	26.019	201.3	0.169
80	9.660	33.758	9.651	26.061	197.5	0.189
90	9.383	33.804	9.373	26.142	189.9	0.208
100	9.041	33.879	9.031	26.256	179.3	0.227
110	8.807	33.946	8.796	26.346	171.0	0.244
120	8.722	33.988	8.709	26.392	166.7	0.261
130	8.624	34.008	8.611	26.423	164.0	0.278
140	8.544	34.045	8.529	26.464	160.2	0.294
150	8.468	34.066	8.452	26.493	157.7	0.310
175	8.312	34.068	8.294	26.519	155.7	0.349
200	8.048	34.092	8.028	26.577	150.5	0.387
225	7.663	34.087	7.641	26.631	145.7	0.424
250	7.521	34.107	7.497	26.667	142.7	0.460
300	6.956	34.123	6.928	26.759	134.4	0.529
400	6.463	34.222	6.427	26.904	121.9	0.637
500	5.772	34.275	5.730	27.035	110.2	0.772
600	5.483	34.290	5.433	27.083	106.6	0.881
709	4.964	34.328	4.907	27.175	98.5	0.995



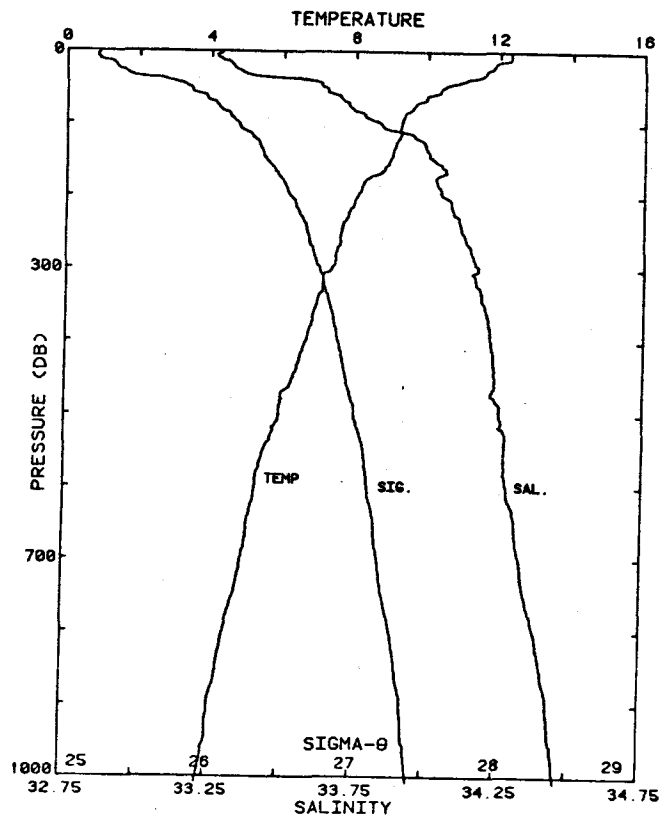


STA NO 51 ,HM8 LAT: 37 18.8 N LONG:123 9.2 W  
26 MAY 1982 0542 GMT PROBE 2567 DEPTH 1089M  
64.6 KM FROM SHORE

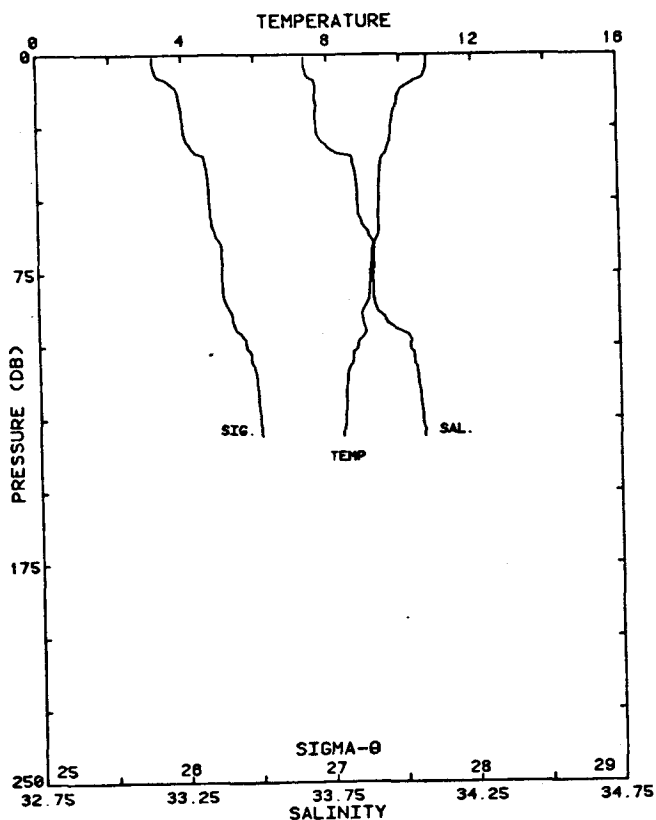
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.659	33.328	12.659	25.185	279.1	0.003
10	12.661	33.325	12.660	25.183	279.5	0.028
20	12.415	33.333	12.412	25.237	274.7	0.056
30	11.467	33.387	11.463	25.456	254.0	0.083
40	11.112	33.470	11.107	25.586	241.9	0.108
50	10.691	33.571	10.685	25.739	227.5	0.131
60	10.425	33.653	10.418	25.849	217.2	0.153
70	10.169	33.707	10.161	25.936	209.3	0.175
80	10.014	33.725	10.005	25.976	205.6	0.195
90	9.867	33.740	9.857	26.013	202.3	0.216
100	9.509	33.774	9.498	26.099	194.3	0.236
110	9.286	33.812	9.275	26.165	188.2	0.255
120	9.017	33.878	9.004	26.260	179.3	0.273
130	8.970	33.973	8.956	26.341	171.8	0.291
140	9.009	34.002	8.994	26.358	170.5	0.308
150	8.855	34.007	8.839	26.386	167.9	0.325
175	8.219	34.034	8.201	26.506	156.9	0.366
200	8.172	34.078	8.152	26.548	153.4	0.405
225	8.006	34.126	7.984	26.610	147.8	0.442
250	7.676	34.124	7.652	26.658	143.6	0.479
300	7.264	34.179	7.236	26.761	134.5	0.548
400	6.476	34.208	6.440	26.892	123.0	0.676
500	5.869	34.282	5.826	27.029	110.9	0.792
600	5.238	34.303	5.189	27.122	102.6	0.898
800	4.386	34.394	4.325	27.292	87.4	1.088
1000	3.906	34.453	3.831	27.390	79.1	1.257
1002	3.901	34.454	3.825	27.392	79.0	1.258

STA NO 52 ,HM9 LAT: 37 18.0 N LONG:123 15.4 W  
26 MAY 1982 0703 GMT PROBE 2567 DEPTH 1299M  
73.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.293	33.285	12.292	25.223	275.5	0.003
10	12.280	33.272	12.278	25.215	276.5	0.028
20	11.853	33.324	11.851	25.336	265.2	0.055
30	11.620	33.356	11.616	25.405	258.9	0.081
40	11.057	33.566	11.052	25.670	233.9	0.106
50	10.429	33.631	10.423	25.831	218.8	0.129
60	10.128	33.670	10.121	25.914	211.1	0.150
70	9.779	33.707	9.771	26.001	203.0	0.171
80	9.551	33.737	9.542	26.063	197.3	0.191
90	9.332	33.780	9.322	26.132	190.9	0.210
100	9.259	33.835	9.248	26.187	185.9	0.229
110	9.241	33.890	9.229	26.233	181.8	0.247
120	9.199	33.959	9.186	26.293	176.2	0.265
130	9.102	33.991	9.088	26.335	172.5	0.282
140	9.010	34.003	8.995	26.359	170.4	0.300
150	8.945	34.022	8.929	26.384	168.2	0.317
175	8.337	34.027	8.319	26.483	159.1	0.357
200	8.054	34.056	8.034	26.548	153.3	0.396
225	7.797	34.091	7.775	26.614	147.4	0.434
250	7.604	34.123	7.579	26.668	142.6	0.470
300	7.321	34.178	7.292	26.751	135.4	0.540
400	6.631	34.225	6.595	26.884	123.9	0.669
500	5.926	34.256	5.883	27.001	113.6	0.787
600	5.290	34.284	5.241	27.101	104.6	0.896
800	4.482	34.383	4.420	27.273	89.4	1.091
1000	3.819	34.463	3.745	27.407	77.3	1.257
1007	3.796	34.467	3.722	27.412	76.9	1.262





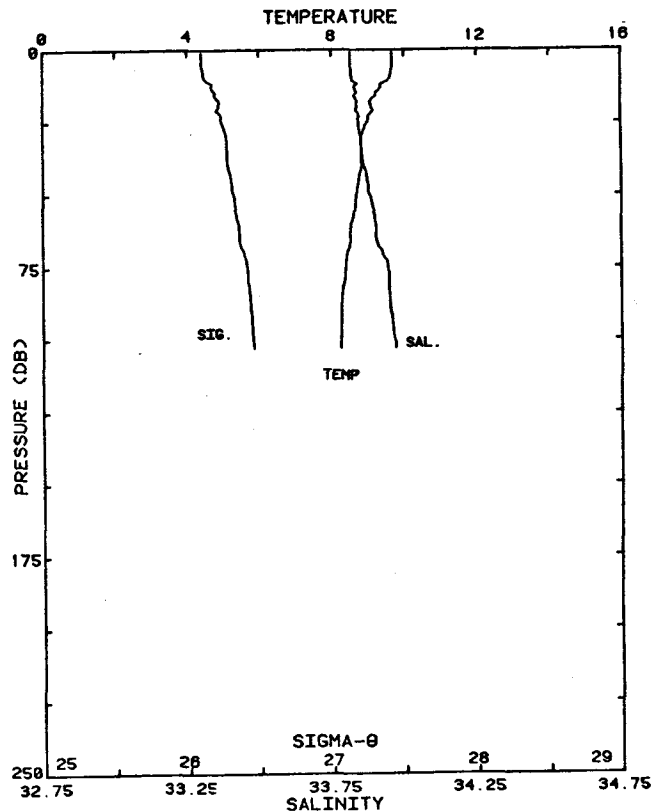


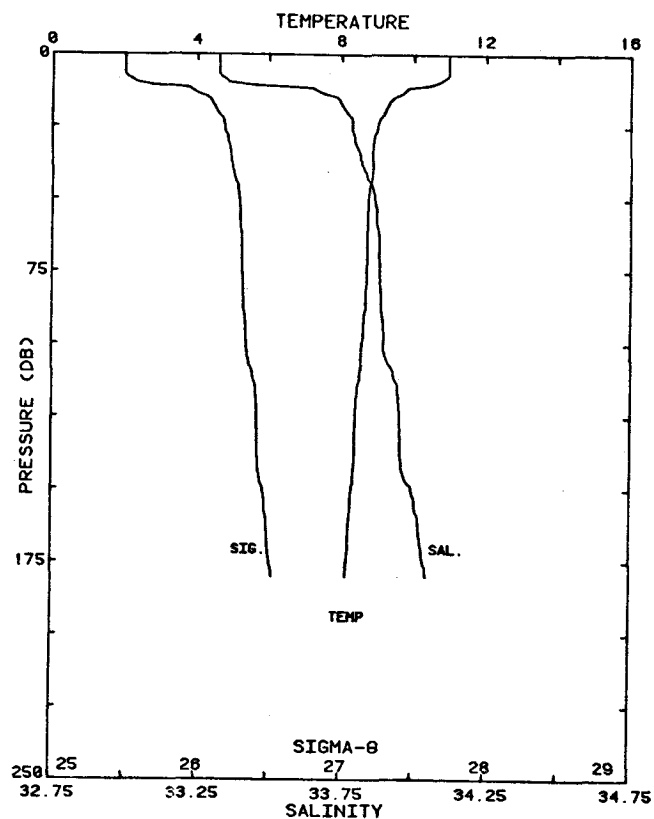
STA NO 53 ,HUN16 LAT: 37 48.8 N LONG:123 19.3 W  
26 MAY 1982 1052 GHT PROBE 2567 DEPTH 142M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.757	33.670	10.757	25.803	220.3	0.002
10	10.264	33.707	10.263	25.918	209.6	0.022
20	9.805	33.709	9.803	25.997	202.3	0.042
30	9.702	33.730	9.699	26.031	199.3	0.062
40	9.423	33.842	9.419	26.164	186.8	0.082
50	9.385	33.850	9.380	26.177	185.8	0.100
60	9.372	33.876	9.365	26.200	183.9	0.119
70	9.147	33.901	9.140	26.256	178.7	0.137
80	9.095	33.901	9.087	26.264	178.1	0.155
90	8.885	33.938	8.876	26.327	172.4	0.172
100	8.739	34.026	8.728	26.419	163.8	0.189
110	8.445	34.050	8.434	26.483	157.9	0.205
120	8.402	34.060	8.389	26.498	156.6	0.221
130	8.320	34.071	8.307	26.519	154.8	0.236
131	8.313	34.072	8.299	26.521	154.6	0.238

STA NO 54 ,CBH LAT: 38 0.0 N LONG:123 20.4 W  
26 MAY 1982 1227 GMT PROBE 2567 DEPTH 109M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.676	33.815	9.676	26.101	192.0	0.002
10	9.595	33.819	9.594	26.118	190.6	0.019
20	9.082	33.837	9.080	26.215	181.5	0.038
30	8.800	33.849	8.797	26.269	176.6	0.056
40	8.798	33.857	8.794	26.276	176.2	0.073
50	8.653	33.878	8.648	26.316	172.6	0.091
60	8.518	33.900	8.512	26.354	169.1	0.108
70	8.409	33.922	8.402	26.388	166.1	0.125
80	8.326	33.945	8.318	26.418	163.4	0.141
90	8.239	33.950	8.230	26.436	161.9	0.157
100	8.218	33.963	8.208	26.449	160.8	0.173
103	8.212	33.967	8.201	26.454	160.4	0.178



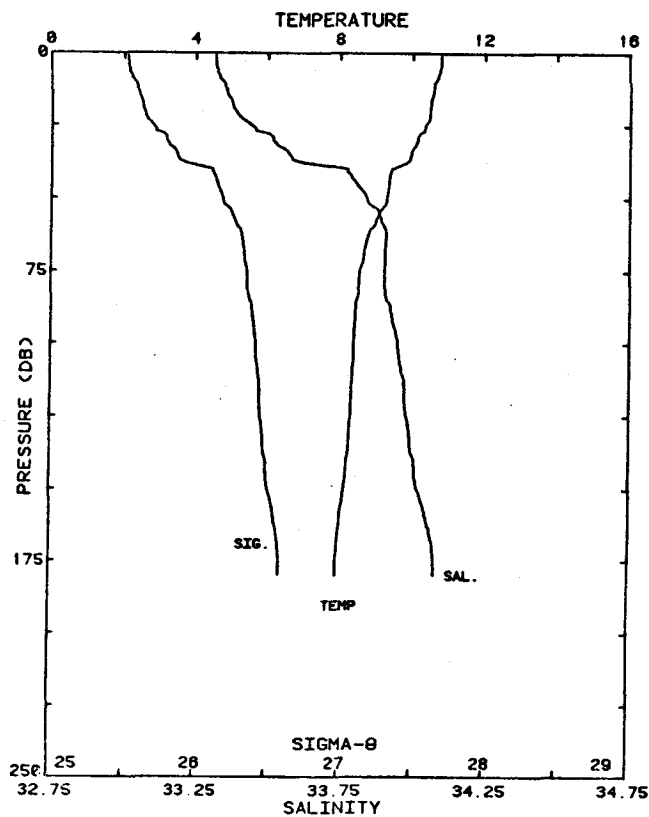


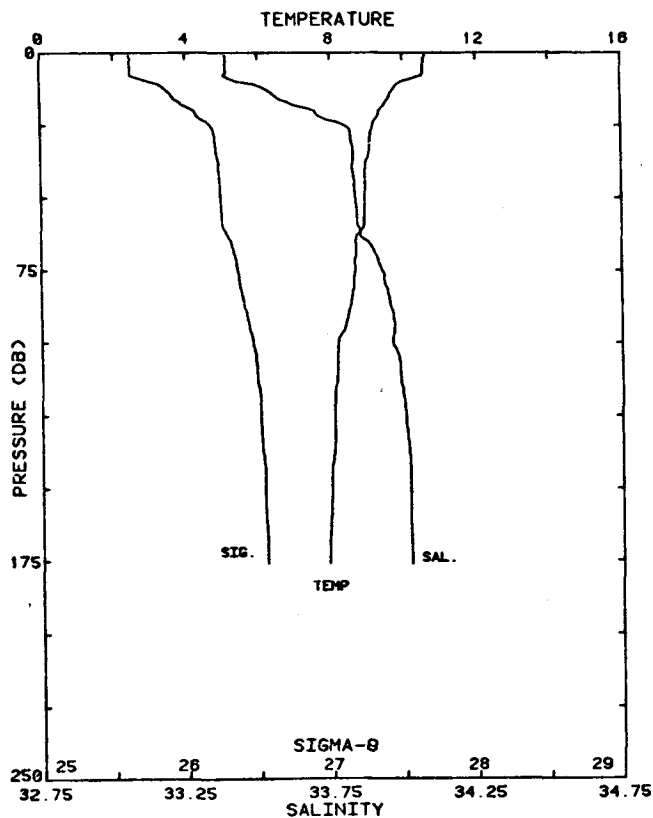
STA NO 55 ,HUN14 LAT: 38 7.1 N LONG:123 21.8 W  
26 MAY 1982 1338 GMT PROBE 2567 DEPTH 190M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.961	33.325	10.961	25.499	249.2	0.002
10	10.660	33.359	10.658	25.579	241.9	0.025
20	9.202	33.767	9.200	26.142	188.5	0.045
30	8.885	33.796	8.881	26.215	181.7	0.063
40	8.842	33.827	8.838	26.246	179.0	0.081
50	8.736	33.864	8.730	26.292	174.9	0.099
60	8.716	33.876	8.710	26.304	173.9	0.117
70	8.707	33.880	8.700	26.309	173.6	0.134
80	8.680	33.885	8.671	26.318	173.0	0.151
90	8.619	33.890	8.609	26.331	171.9	0.169
100	8.573	33.897	8.562	26.343	170.9	0.186
110	8.493	33.931	8.482	26.382	167.4	0.203
120	8.404	33.950	8.392	26.411	164.8	0.219
130	8.378	33.956	8.364	26.420	164.1	0.236
140	8.365	33.959	8.351	26.425	163.9	0.252
150	8.298	33.996	8.283	26.464	160.4	0.268
175	8.191	34.039	8.174	26.514	156.1	0.308
180	8.147	34.048	8.129	26.528	154.8	0.316

STA NO 56 ,HUN13 LAT: 38 13.4 N LONG:123 23.0 W  
26 MAY 1982 1446 GMT PROBE 2567 DEPTH 184M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.788	33.318	10.788	25.524	246.8	0.002
10	10.625	33.342	10.624	25.571	242.5	0.025
20	10.444	33.385	10.442	25.637	236.5	0.049
30	10.113	33.514	10.110	25.794	221.8	0.072
40	9.399	33.774	9.394	26.115	191.5	0.093
50	9.280	33.841	9.275	26.187	184.9	0.112
60	8.908	33.901	8.901	26.293	174.9	0.130
70	8.626	33.904	8.618	26.340	170.6	0.147
80	8.494	33.901	8.486	26.359	169.1	0.164
90	8.395	33.925	8.385	26.393	166.0	0.180
100	8.357	33.947	8.347	26.416	164.0	0.197
110	8.325	33.961	8.314	26.432	162.6	0.213
120	8.295	33.973	8.282	26.446	161.5	0.230
130	8.250	33.989	8.237	26.465	159.9	0.246
140	8.176	34.006	8.162	26.490	157.7	0.262
150	8.121	34.019	8.106	26.508	156.1	0.277
175	7.913	34.079	7.896	26.587	149.1	0.315
180	7.912	34.079	7.895	26.587	149.1	0.323



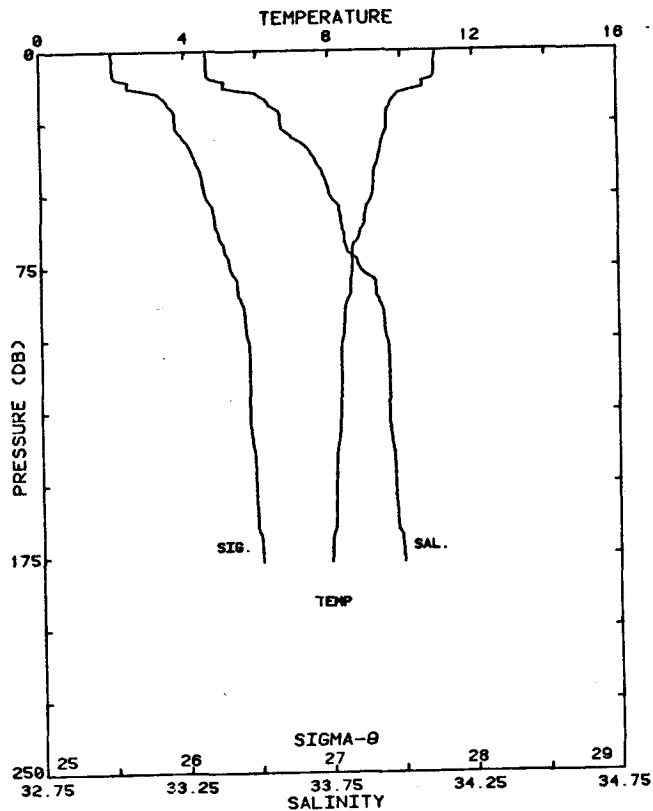


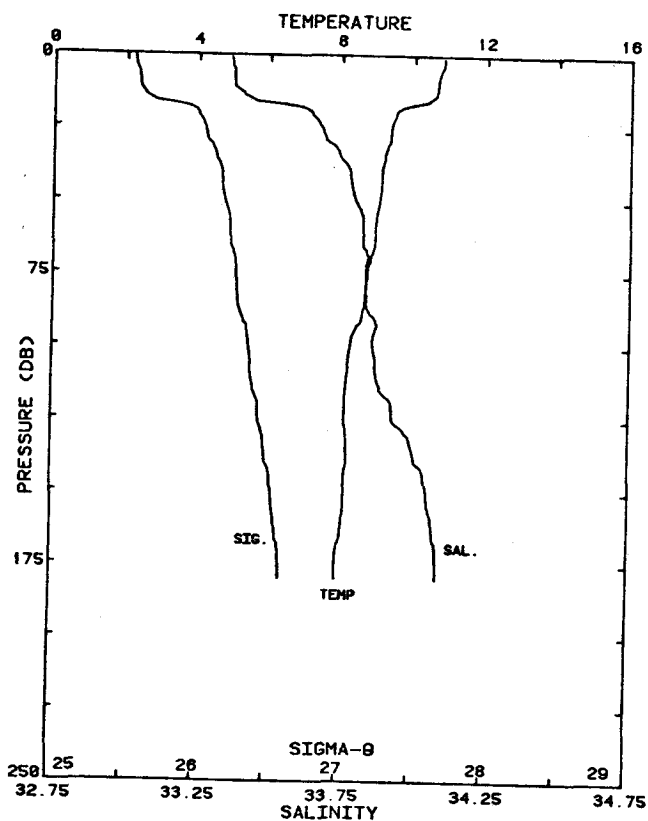
STA NO 57 ,HUN12 LAT: 38 19.2 N LONG:123 26.2 W  
26 MAY 1982 1553 GMT PROBE 2567 DEPTH 184M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.615	33.389	10.615	25.610	238.7	0.002
10	9.973	33.430	9.972	25.752	225.3	0.024
20	9.335	33.697	9.333	26.066	195.8	0.045
30	9.078	33.821	9.075	26.204	182.8	0.063
40	8.945	33.822	8.941	26.226	180.9	0.082
50	8.922	33.833	8.917	26.238	180.0	0.100
60	8.882	33.842	8.876	26.252	178.9	0.118
70	8.673	33.905	8.665	26.334	171.3	0.135
80	8.604	33.935	8.596	26.368	168.2	0.152
90	8.455	33.962	8.446	26.412	164.2	0.169
100	8.170	33.961	8.160	26.455	160.2	0.185
110	8.143	33.986	8.132	26.479	158.1	0.201
120	8.055	33.998	8.043	26.502	156.1	0.216
130	8.062	34.008	8.049	26.508	155.7	0.232
140	8.004	34.015	7.990	26.523	154.5	0.248
150	7.960	34.017	7.945	26.531	153.9	0.263
175	7.887	34.020	7.870	26.544	153.1	0.301
176	7.888	34.020	7.870	26.544	153.1	0.303

STA NO 58 ,HUN11 LAT: 38 23.7 N LONG:123 30.0 W  
26 MAY 1982 1451 GMT PROBE 2567 DEPTH 191M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.967	33.324	10.966	25.498	249.4	0.002
10	10.856	33.339	10.855	25.529	246.6	0.025
20	9.645	33.561	9.642	25.909	210.7	0.047
30	9.491	33.621	9.488	25.981	204.1	0.068
40	9.284	33.710	9.279	26.084	194.4	0.088
50	9.173	33.750	9.168	26.133	190.0	0.107
60	8.947	33.789	8.940	26.200	183.8	0.126
70	8.613	33.811	8.606	26.269	177.4	0.144
80	8.561	33.906	8.552	26.353	169.7	0.161
90	8.390	33.933	8.381	26.399	165.4	0.178
100	8.318	33.944	8.307	26.419	163.7	0.194
110	8.272	33.951	8.261	26.432	162.6	0.211
120	8.269	33.952	8.257	26.433	162.7	0.227
130	8.244	33.955	8.231	26.439	162.3	0.243
140	8.138	33.967	8.124	26.465	160.0	0.259
150	8.115	33.971	8.100	26.472	159.6	0.275
175	7.984	33.996	7.967	26.511	156.3	0.315
177	7.975	33.999	7.957	26.515	155.9	0.318





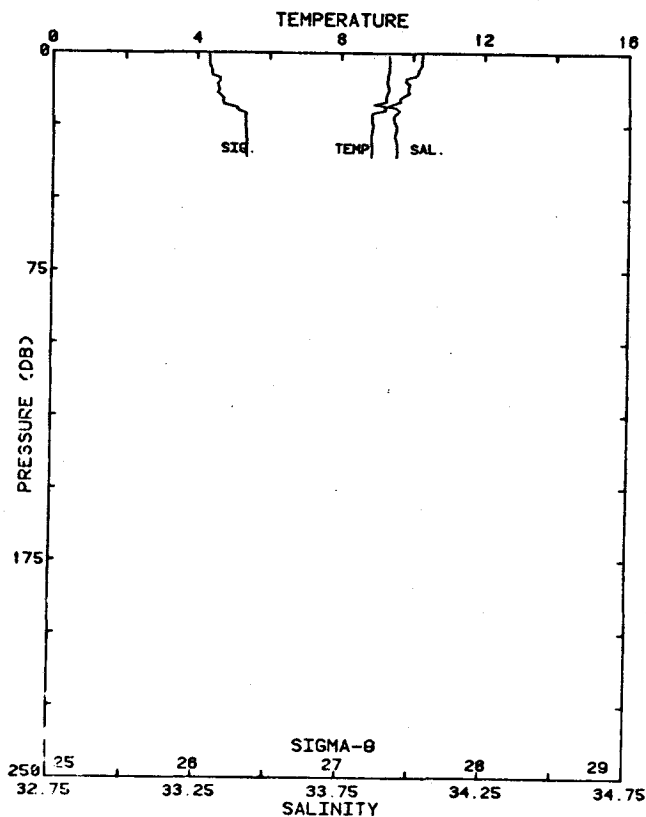
STATION 59 HUN10

STA NO 59 ,HUN10 LAT: 38 28.1 N LONG:123 33.2 W  
26 MAY 1982 1752 GMT PROBE 2567 DEPTH 184M

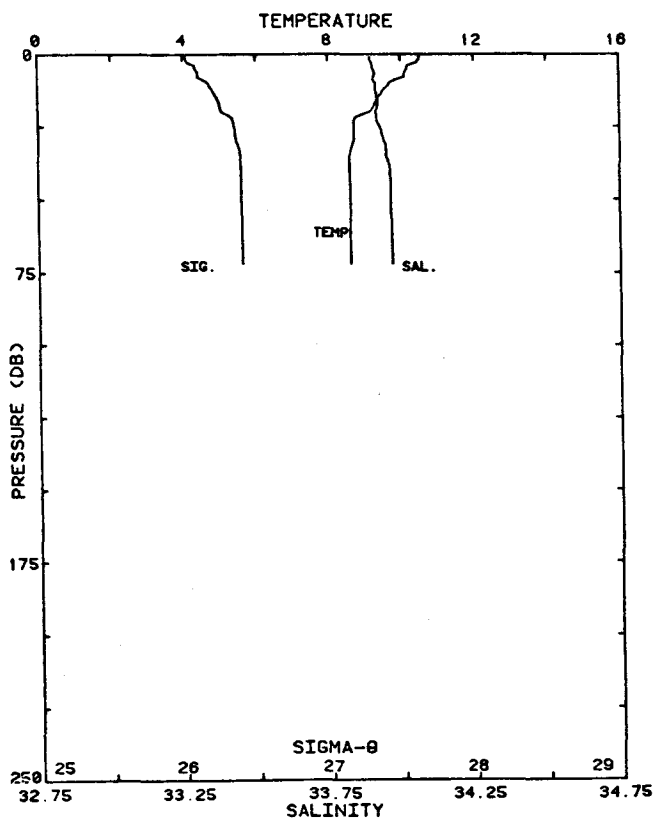
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.814	33.361	10.814	25.554	244.1	0.002
10	10.643	33.374	10.642	25.593	210.3	0.024
20	9.474	33.645	9.472	26.002	201.8	0.047
30	9.311	33.705	9.308	26.076	195.0	0.067
40	9.110	33.781	9.106	26.168	186.4	0.086
50	9.060	33.801	9.055	26.191	184.1	0.104
60	8.945	33.828	8.939	26.231	180.9	0.122
70	8.812	33.842	8.805	26.263	178.0	0.140
80	8.692	33.835	8.684	26.277	176.9	0.158
90	8.575	33.863	8.566	26.316	173.3	0.176
100	8.274	33.862	8.264	26.362	169.1	0.193
110	8.201	33.875	8.190	26.383	167.2	0.210
120	8.144	33.929	8.132	26.434	162.6	0.226
130	8.194	33.979	8.181	26.466	159.8	0.242
140	8.223	34.013	8.208	26.488	157.9	0.258
150	8.145	34.054	8.130	26.532	153.9	0.274
175	7.935	34.091	7.918	26.593	148.5	0.312
180	7.934	34.091	7.916	26.593	148.6	0.319

STA NO 60 ,COC1 LAT: 38 40.1 N LONG:123 25.5 W  
26 MAY 1982 1928 GMT PROBE 2567 DEPTH 41M  
0.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.257	33.914	10.257	26.082	193.8	0.002
10	9.778	33.908	9.777	26.157	186.9	0.019
20	9.205	33.951	9.203	26.285	174.9	0.038
30	8.817	33.938	8.814	26.336	170.2	0.055
36	8.816	33.940	8.812	26.338	170.2	0.065



STATION 60 COC1



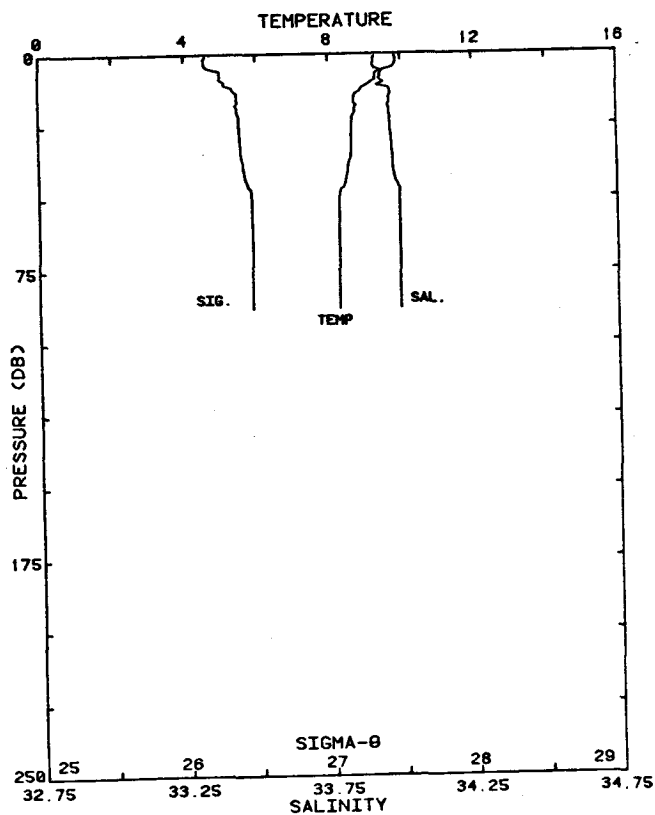
STATION 61 COC2

STA NO 61 ,COC2 LAT: 38 39.0 N LONG:123 26.7 W  
26 MAY 1982 2000 GMT PROBE 2567 DEPTH 76M  
2.7 KM FROM SHORE

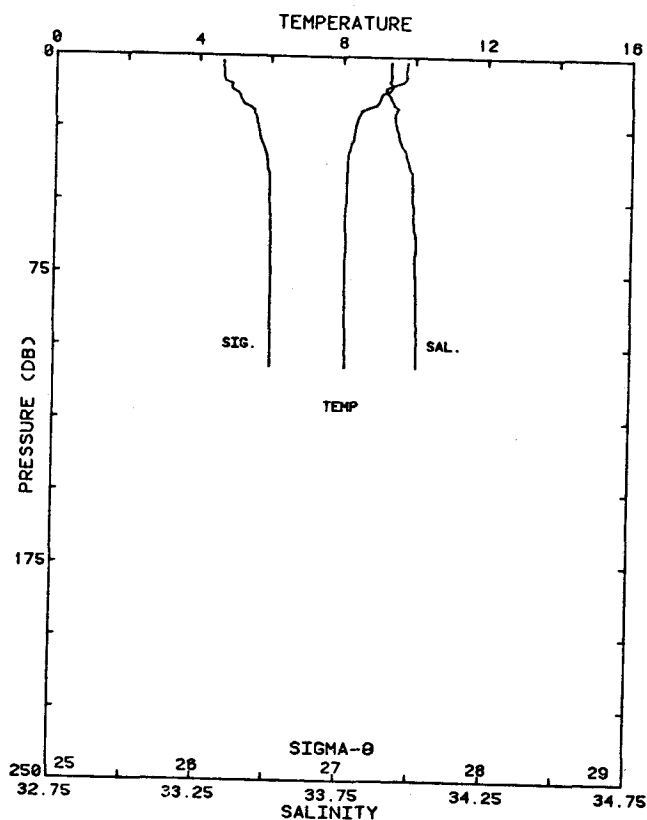
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.513	33.896	10.513	26.022	199.5	0.002
10	9.670	33.913	9.669	26.179	181.8	0.019
20	9.132	33.912	9.130	26.266	176.7	0.037
30	8.669	33.939	8.666	26.361	167.9	0.054
40	8.568	33.962	8.564	26.394	164.9	0.071
50	8.573	33.964	8.568	26.395	165.1	0.087
60	8.573	33.965	8.567	26.396	165.1	0.104
70	8.572	33.967	8.565	26.398	165.2	0.121
72	8.572	33.966	8.564	26.398	165.2	0.124

STA NO 62 ,COC3 LAT: 38 37.5 N LONG:123 29.0 W  
26 MAY 1982 2042 GMT PROBE 2567 DEPTH 96M  
7.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.838	33.909	9.838	26.147	187.6	0.002
10	9.184	33.943	9.183	26.282	175.0	0.018
20	8.747	33.961	8.745	26.366	167.2	0.035
30	8.629	33.967	8.626	26.388	165.3	0.052
40	8.525	33.973	8.521	26.409	163.5	0.068
50	8.282	33.994	8.277	26.463	158.6	0.084
60	8.269	33.994	8.263	26.466	158.5	0.100
70	8.264	33.993	8.257	26.466	158.7	0.114
80	8.260	33.994	8.252	26.467	158.7	0.132
88	8.259	33.995	8.250	26.468	158.8	0.145



STATION 62 COC3



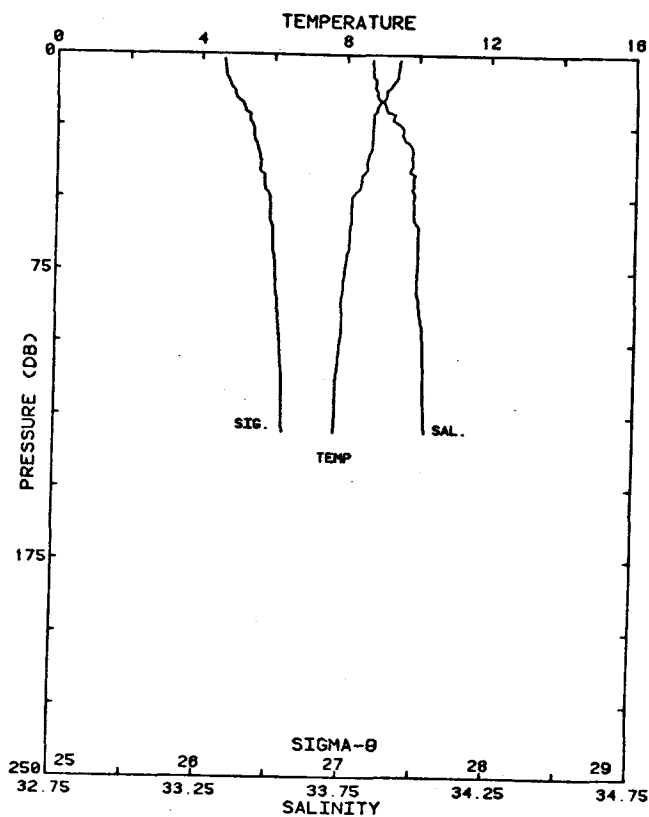
STATION 63 COC4

STA NO 63 ,COC4 LAT: 38 36.1 N LONG:123 30.8 W  
26 MAY 1982 2114 GNT PROBE 2567 DEPTH 114M  
11.2 KM FROM SHORE

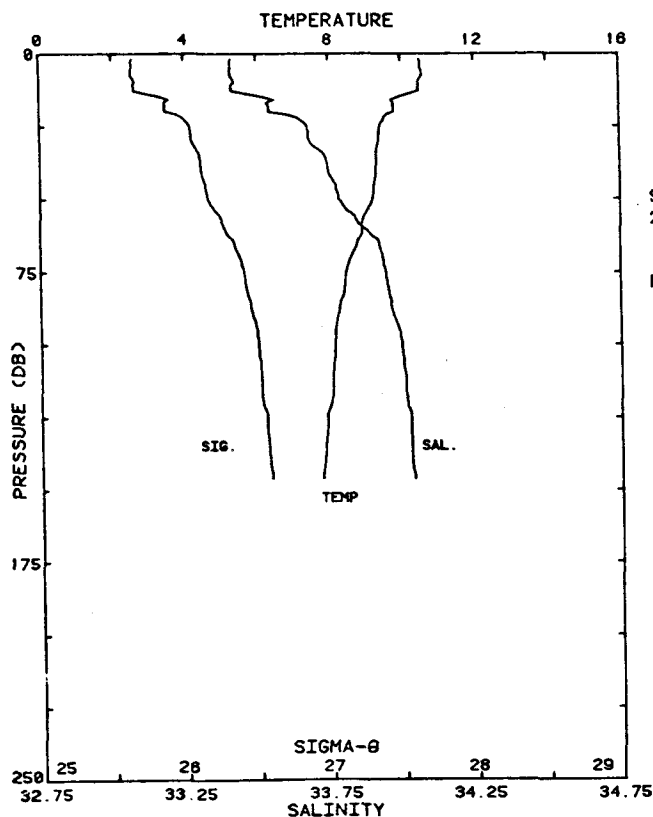
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	9.768	33.914	9.768	26.164	186.1	0.004
10	9.374	33.920	9.373	26.233	179.6	0.019
20	8.449	33.926	8.447	26.384	165.5	0.036
30	8.214	33.950	8.211	26.439	160.5	0.052
40	8.105	33.991	8.101	26.487	156.1	0.068
50	8.094	33.992	8.090	26.490	156.0	0.084
60	8.070	34.000	8.064	26.500	155.2	0.099
70	8.066	34.001	8.059	26.502	155.3	0.115
80	8.078	34.008	8.070	26.505	155.1	0.130
90	8.091	34.010	8.082	26.505	155.3	0.146
100	8.093	34.010	8.083	26.505	155.4	0.161
107	8.094	34.011	8.083	26.506	155.6	0.172

STA NO 64 ,COC5 LAT: 38 34.5 N LONG:123 33.4 W  
26 MAY 1982 2151 GNT PROBE 2567 DEPTH 140M  
15.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	9.463	33.837	9.463	26.154	187.0	0.004
10	9.284	33.849	9.283	26.192	183.5	0.019
20	8.809	33.887	8.807	26.298	173.7	0.036
30	8.699	33.951	8.696	26.365	167.5	0.053
40	8.582	33.972	8.578	26.400	164.4	0.070
50	8.153	33.986	8.148	26.476	157.3	0.086
60	8.111	34.001	8.105	26.495	155.7	0.102
70	8.029	34.002	8.022	26.508	154.7	0.117
80	7.934	33.998	7.927	26.518	153.8	0.133
90	7.891	34.007	7.882	26.533	152.6	0.148
100	7.844	34.020	7.834	26.550	151.2	0.163
110	7.777	34.023	7.766	26.562	150.2	0.178
120	7.738	34.026	7.726	26.570	149.6	0.193
130	7.719	34.031	7.706	26.577	149.1	0.208
131	7.713	34.032	7.700	26.578	149.0	0.210



STATION 64 COC5

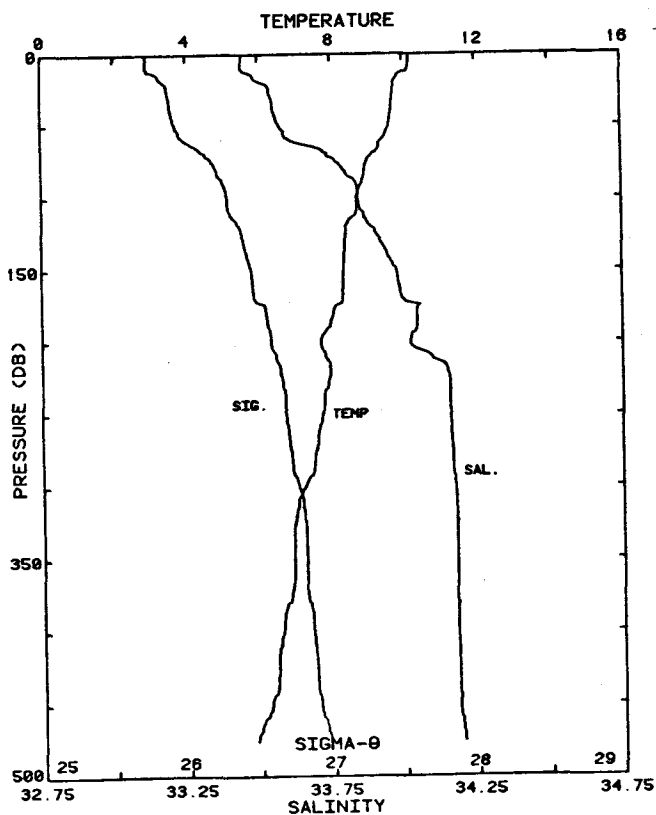


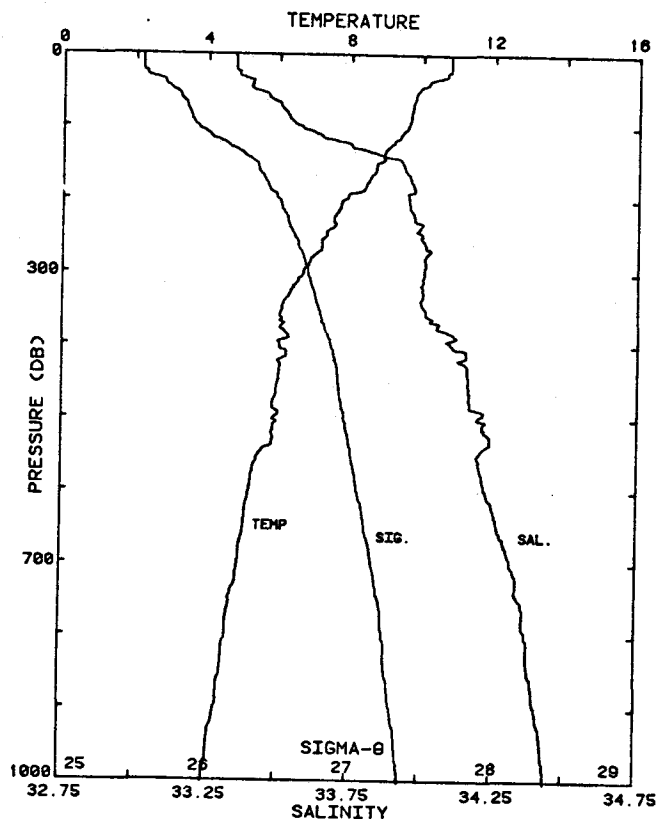
STA NO 65 ,COC6 LAT: 38 32.7 N LONG:123 36.2 W  
 26 MAY 1982 2233 GMT PROBE 2567 DEPTH 155M  
 21.2 KM FROM SHORE 20 MIN GAP AT 28-29DB

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.513	33.414	10.513	25.647	235.2	0.005
10	10.462	33.424	10.461	25.664	233.8	0.024
20	9.780	33.541	9.778	25.871	214.2	0.046
30	9.348	33.681	9.345	26.051	197.3	0.066
40	9.266	33.745	9.262	26.114	191.6	0.085
50	9.162	33.778	9.157	26.157	187.7	0.104
60	8.872	33.865	8.865	26.272	177.0	0.122
70	8.544	33.928	8.537	26.372	167.6	0.140
80	8.367	33.947	8.359	26.414	163.8	0.156
90	8.175	33.966	8.166	26.458	159.7	0.172
100	8.087	33.993	8.077	26.493	156.6	0.188
110	8.023	34.004	8.012	26.511	155.1	0.204
120	7.983	34.012	7.971	26.523	154.1	0.219
130	7.863	34.024	7.850	26.550	151.7	0.234
140	7.776	34.026	7.763	26.565	150.5	0.249
146	7.720	34.033	7.706	26.579	149.2	0.258

STA NO 66 ,COC7 LAT: 38 30.2 N LONG:123 39.7 W  
 26 MAY 1982 2340 GMT PROBE 2567 DEPTH 517M  
 28.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.187	33.445	10.187	25.727	227.5	0.002
10	10.176	33.443	10.175	25.728	227.4	0.023
20	9.762	33.514	9.760	25.852	216.0	0.045
30	9.724	33.543	9.720	25.883	213.3	0.066
40	9.680	33.555	9.676	25.899	212.0	0.088
50	9.613	33.573	9.607	25.924	209.9	0.109
60	9.404	33.611	9.397	25.988	204.0	0.129
70	9.125	33.735	9.117	26.130	190.7	0.149
80	8.926	33.791	8.918	26.205	183.7	0.168
90	8.838	33.836	8.828	26.251	179.2	0.186
100	8.692	33.842	8.682	26.282	176.8	0.204
110	8.683	33.860	8.672	26.298	175.4	0.221
120	8.376	33.884	8.364	26.364	169.3	0.239
130	8.367	33.919	8.354	26.393	166.8	0.255
140	8.343	33.944	8.329	26.416	164.7	0.272
150	8.312	33.974	8.297	26.444	162.2	0.288
175	8.075	34.046	8.057	26.537	153.8	0.328
200	7.675	34.020	7.655	26.575	150.5	0.366
225	7.900	34.153	7.878	26.647	144.3	0.403
250	7.723	34.158	7.698	26.678	141.7	0.439
300	7.223	34.172	7.195	26.761	134.4	0.508
400	6.574	34.179	6.538	26.856	126.5	0.638
476	5.844	34.196	5.803	26.964	116.7	0.732





STATION 67 COC8

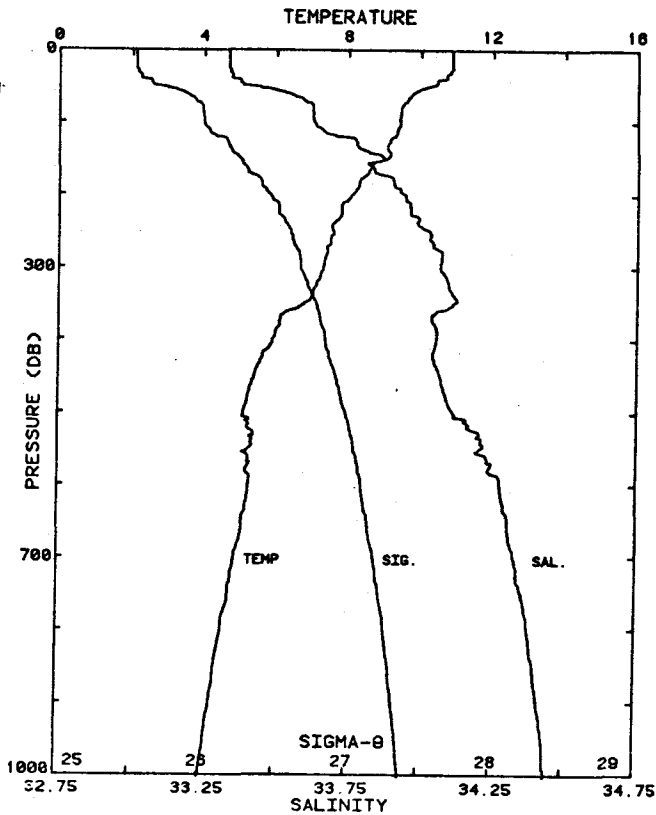
STA NO 67 ,COC8 LAT: 38 27.0 N LONG:123 44.6 W  
27 MAY 1982 0230 GMT PROBE 2567 DEPTH 1293M  
37.3 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SWA	DELD
1	10.777	33.348	10.777	25.549	244.4	0.002
10	10.772	33.348	10.770	25.550	244.3	0.024
20	10.773	33.348	10.771	25.550	244.8	0.049
30	10.656	33.359	10.653	25.580	242.2	0.073
40	10.155	33.406	10.150	25.703	230.7	0.097
50	9.878	33.410	9.873	25.753	226.2	0.120
60	9.785	33.463	9.778	25.810	220.9	0.142
70	9.712	33.503	9.704	25.854	217.0	0.164
80	9.676	33.523	9.667	25.875	215.1	0.185
90	9.654	33.537	9.644	25.890	213.9	0.207
100	9.572	33.578	9.561	25.936	209.8	0.228
110	9.395	33.642	9.383	26.015	202.5	0.249
120	9.203	33.707	9.190	26.097	194.9	0.269
130	8.993	33.788	8.979	26.193	185.9	0.288
140	8.923	33.867	8.908	26.266	179.1	0.306
150	8.722	33.932	8.706	26.349	171.4	0.323
175	8.475	33.962	8.457	26.410	166.0	0.366
200	7.803	33.955	7.783	26.506	157.1	0.406
225	7.529	33.975	7.508	26.561	152.2	0.445
250	7.336	34.003	7.312	26.611	147.8	0.483
300	6.686	34.010	6.659	26.707	139.1	0.554
400	6.021	34.100	5.987	26.865	125.1	0.686
500	5.873	34.198	5.830	26.962	117.2	0.807
600	5.227	34.225	5.177	27.062	108.2	0.919
800	4.613	34.371	4.550	27.249	91.9	1.117
1000	3.998	34.442	3.923	27.372	81.1	1.290
1002	3.993	34.442	3.917	27.373	81.0	1.292

TEMPERATURE

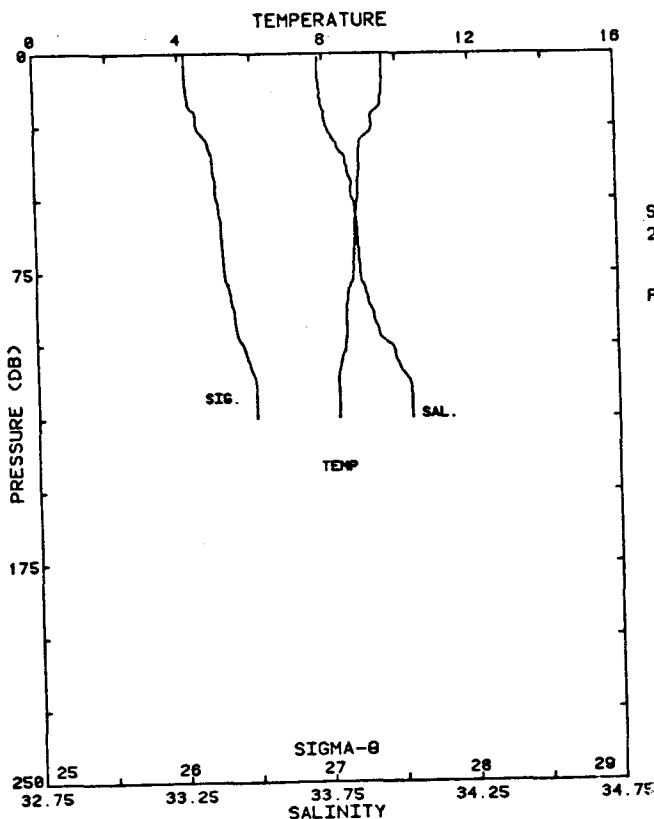
STA NO 68 ,COC9 LAT: 38 24.0 N LONG:123 49.2 W  
27 MAY 1982 0436 GMT PROBE 2567 DEPTH 1751M  
46.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SWA	DELD
1	10.859	33.337	10.859	25.527	246.6	0.002
10	10.862	33.337	10.860	25.527	246.8	0.025
20	10.863	33.336	10.861	25.526	247.1	0.049
30	10.794	33.342	10.790	25.543	245.7	0.074
40	10.706	33.347	10.702	25.562	244.1	0.099
50	10.380	33.385	10.374	25.648	236.1	0.122
60	9.796	33.528	9.789	25.859	216.3	0.145
70	9.619	33.593	9.611	25.939	208.9	0.166
80	9.449	33.625	9.441	25.992	204.0	0.187
90	9.426	33.626	9.417	25.996	203.8	0.207
100	9.414	33.630	9.403	26.002	203.5	0.227
110	9.345	33.659	9.333	26.036	200.4	0.248
120	9.274	33.710	9.261	26.087	195.8	0.268
130	9.092	33.777	9.078	26.169	188.2	0.287
140	9.111	33.815	9.096	26.196	185.9	0.305
150	9.074	33.873	9.058	26.247	181.2	0.324
175	8.408	33.894	8.390	26.368	170.0	0.368
200	8.091	33.945	8.071	26.456	162.0	0.410
225	7.798	33.965	7.776	26.515	156.7	0.449
250	7.568	34.029	7.543	26.599	149.1	0.487
300	7.303	34.070	7.275	26.669	143.2	0.560
400	5.901	34.057	5.867	26.846	126.8	0.694
500	5.120	34.115	5.080	26.987	114.0	0.815
600	5.285	34.282	5.235	27.100	104.7	0.924
800	4.553	34.381	4.490	27.263	90.5	1.119
1000	3.953	34.445	3.878	27.379	80.3	1.289
1003	3.950	34.444	3.875	27.379	80.3	1.292



STATION 68 COC9





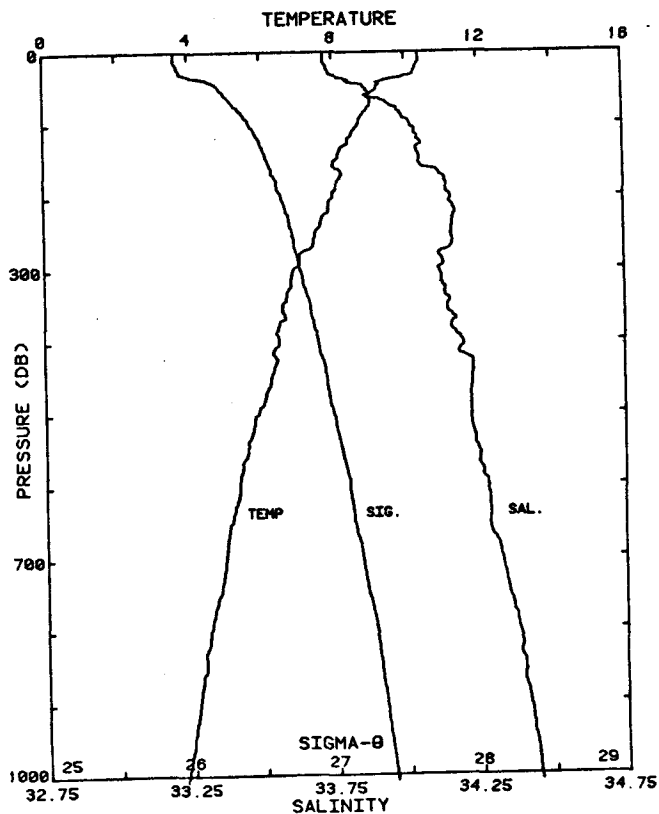
STA NO 69 ,S4 LAT: 38 14.5 N LONG:123 19.9 W  
29 MAY 1982 0627 GMT PROBE 2567 DEPTH 133M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.627	33.734	9.627	26.046	197.2	0.002
10	9.616	33.735	9.615	26.049	197.2	0.020
20	9.336	33.753	9.334	26.109	191.6	0.039
30	8.978	33.785	8.975	26.191	184.0	0.058
40	8.930	33.825	8.926	26.231	180.4	0.076
50	8.877	33.843	8.872	26.253	178.6	0.094
60	8.767	33.857	8.761	26.281	176.1	0.112
70	8.736	33.861	8.729	26.289	175.5	0.130
80	8.604	33.878	8.595	26.324	172.4	0.147
90	8.514	33.910	8.505	26.363	168.9	0.164
100	8.471	33.972	8.461	26.418	163.8	0.181
110	8.273	34.012	8.262	26.479	158.1	0.197
120	8.270	34.036	8.258	26.499	156.5	0.213
125	8.269	34.037	8.256	26.500	156.5	0.221

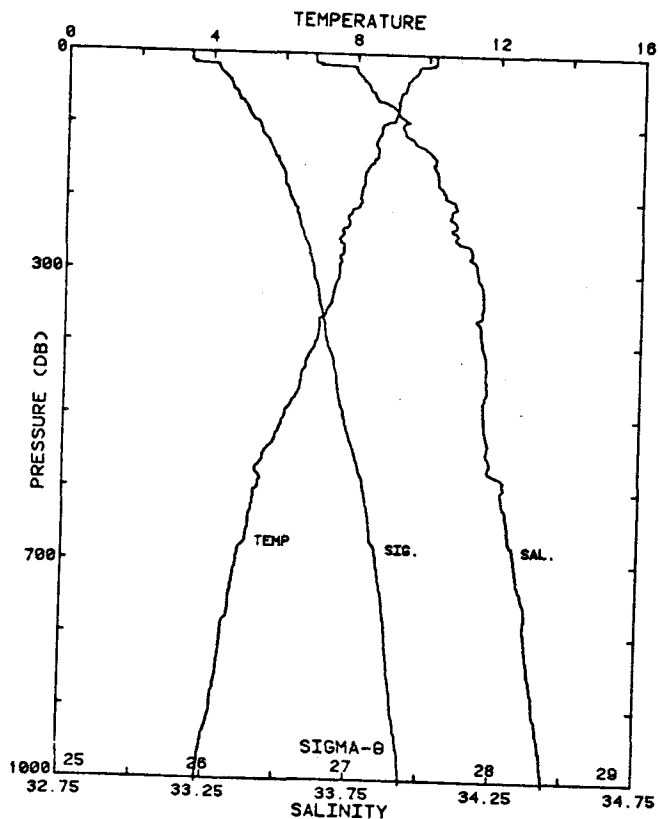
STATION 69 S4

STA NO 70 ,ROS10 LAT: 38 6.8 N LONG:123 45.6 W  
29 MAY 1982 0904 GMT PROBE 2567 DEPTH 2627M  
64.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.397	33.721	10.397	25.906	210.6	0.004
10	10.400	33.720	10.399	25.905	210.9	0.021
20	10.309	33.730	10.307	25.929	208.8	0.042
30	10.229	33.739	10.225	25.949	207.1	0.063
40	9.399	33.807	9.395	26.141	189.0	0.083
50	9.218	33.863	9.213	26.214	182.3	0.101
60	8.978	33.862	8.972	26.252	178.9	0.119
70	9.048	33.935	9.041	26.298	174.7	0.137
80	8.945	33.970	8.936	26.342	170.7	0.154
90	8.772	33.989	8.763	26.384	166.9	0.171
100	8.692	34.015	8.681	26.418	163.9	0.188
110	8.531	34.029	8.520	26.453	160.7	0.204
120	8.409	34.039	8.397	26.480	158.3	0.220
130	8.296	34.040	8.283	26.498	156.7	0.236
140	8.151	34.041	8.137	26.521	154.7	0.251
150	8.037	34.044	8.022	26.540	153.1	0.267
175	8.168	34.132	8.150	26.591	148.8	0.304
200	7.971	34.153	7.951	26.637	144.8	0.341
225	7.752	34.166	7.730	26.680	141.1	0.377
250	7.482	34.155	7.458	26.710	138.6	0.412
300	6.846	34.108	6.819	26.762	134.1	0.480
400	6.452	34.192	6.416	26.882	123.9	0.609
500	5.845	34.219	5.802	26.982	115.3	0.729
600	5.317	34.274	5.267	27.090	105.7	0.839
800	4.468	34.379	4.406	27.271	89.6	1.035
1000	3.800	34.446	3.726	27.396	78.1	1.204
1008	3.773	34.449	3.698	27.400	77.9	1.210



STATION 70 ROS10



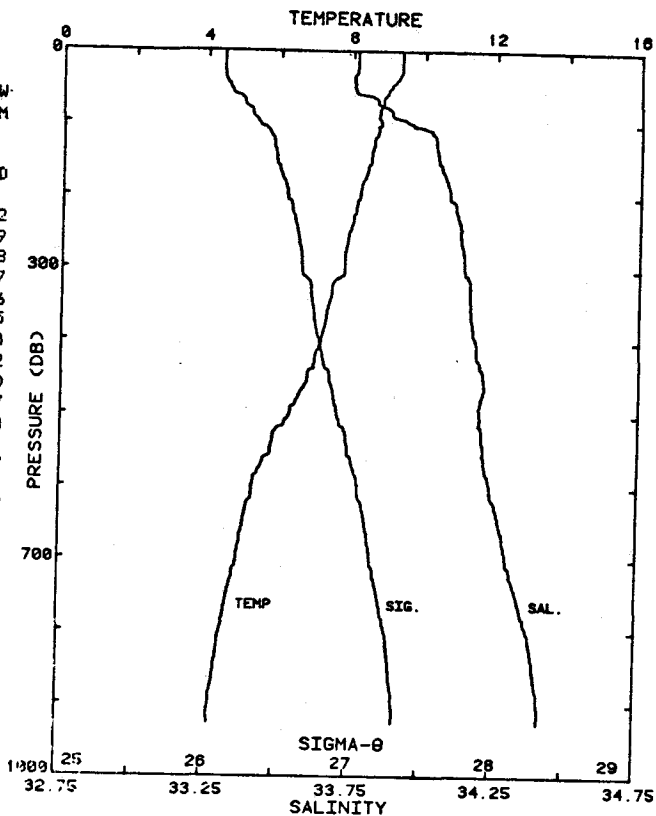
STA NO 71 ROS9 LAT: 38 10.0 N LONG:123 40.7 W  
 29 MAY 1982 1035 GMT PROBE 2567 DEPTH 1833M  
 55.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.200	33.604	10.200	25.849	216.0	0.004
10	10.200	33.604	10.199	25.848	216.2	0.022
20	9.721	33.742	9.719	26.037	198.5	0.043
30	9.596	33.759	9.593	26.071	195.4	0.062
40	9.386	33.781	9.381	26.123	190.7	0.082
50	9.352	33.797	9.347	26.141	189.2	0.101
60	9.212	33.815	9.205	26.178	185.9	0.119
70	9.169	33.859	9.161	26.220	182.1	0.138
80	9.138	33.892	9.129	26.250	179.4	0.156
90	9.068	33.917	9.058	26.282	176.7	0.174
100	8.705	33.910	8.695	26.333	171.9	0.191
110	8.675	33.920	8.663	26.346	170.9	0.208
120	8.551	33.955	8.539	26.392	166.6	0.225
130	8.600	33.994	8.586	26.415	164.7	0.242
140	8.600	34.020	8.586	26.436	162.9	0.258
150	8.487	34.028	8.472	26.460	160.8	0.274
175	8.238	34.040	8.221	26.508	156.6	0.314
200	8.150	34.083	8.130	26.555	152.6	0.352
225	7.805	34.084	7.782	26.607	148.0	0.390
250	7.672	34.109	7.648	26.647	144.6	0.427
300	7.577	34.180	7.548	26.717	138.8	0.497
400	6.934	34.201	6.896	26.825	129.8	0.631
500	6.104	34.210	6.060	26.942	119.3	0.756
600	5.371	34.276	5.322	27.085	106.3	0.868
800	4.484	34.368	4.422	27.261	90.6	1.064
1000	3.853	34.442	3.779	27.386	79.4	1.235
1005	3.852	34.442	3.777	27.387	79.3	1.239

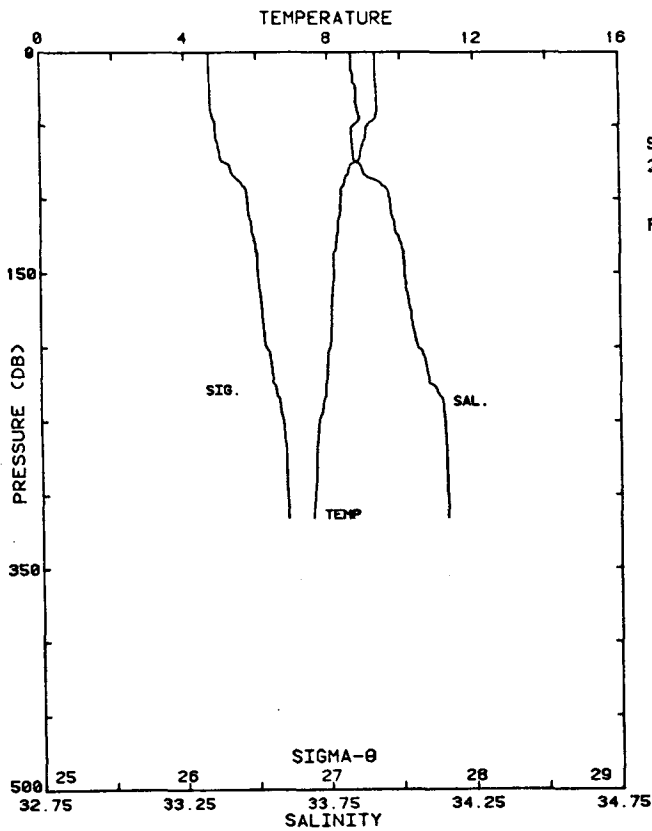
STATION 71 ROS9

STA NO 72 ROS8 LAT: 38 13.2 N LONG:123 35.6 W  
 29 MAY 1982 1204 GMT PROBE 2567 DEPTH 962M  
 46.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.365	33.764	9.365	26.113	190.9	0.002
10	9.368	33.765	9.367	26.113	191.0	0.019
20	9.370	33.765	9.368	26.113	191.3	0.038
30	9.347	33.762	9.344	26.114	191.3	0.057
40	9.241	33.753	9.237	26.125	190.6	0.076
50	9.072	33.753	9.067	26.152	188.2	0.095
60	8.949	33.773	8.942	26.187	185.0	0.114
70	8.845	33.837	8.837	26.254	178.9	0.132
80	8.753	33.878	8.745	26.301	174.6	0.150
90	8.708	33.887	8.699	26.315	173.4	0.167
100	8.768	33.949	8.757	26.354	170.0	0.184
110	8.699	34.023	8.688	26.422	163.7	0.201
120	8.601	34.036	8.589	26.449	161.3	0.217
130	8.575	34.039	8.562	26.455	161.0	0.233
140	8.521	34.045	8.507	26.468	159.9	0.249
150	8.506	34.049	8.491	26.473	159.6	0.265
175	8.340	34.074	8.322	26.519	155.7	0.305
200	8.206	34.089	8.185	26.552	153.0	0.343
225	8.063	34.115	8.040	26.594	149.4	0.381
250	7.912	34.126	7.887	26.625	146.8	0.418
300	7.797	34.143	7.767	26.656	144.8	0.491
400	7.161	34.186	7.123	26.782	134.1	0.629
500	6.319	34.200	6.274	26.907	122.9	0.757
600	5.329	34.241	5.279	27.063	108.3	0.872
800	4.506	34.376	4.444	27.265	90.2	1.071
926	4.217	34.418	4.146	27.330	84.8	1.181



STATION 72 ROS8



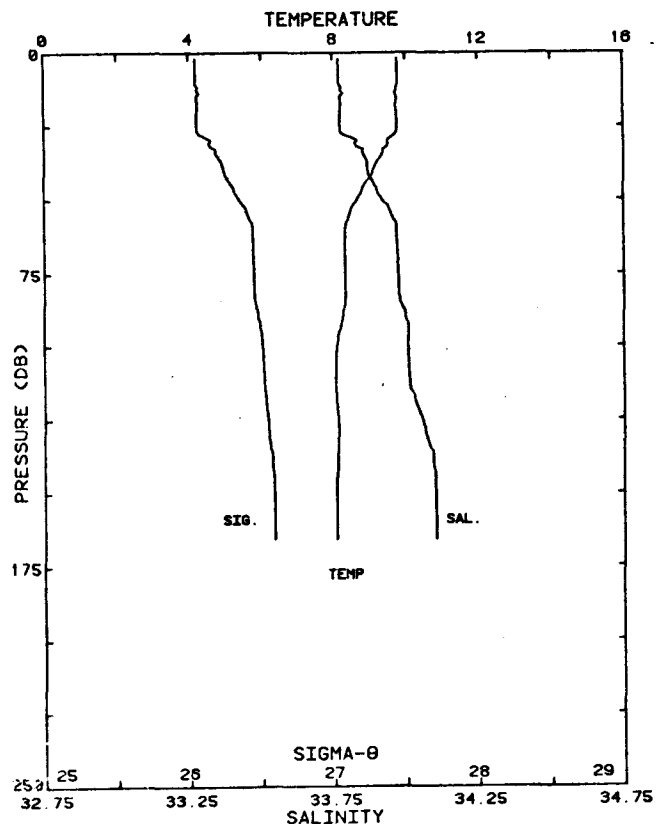
STATION 73 ROS7

STA NO 73 ,ROS7 LAT: 38 16.0 N LONG:123 31.0 W  
 29 MAY 1982 1322 GHT PROBE 2567 DEPTH 334M  
 37.7 KM FROM SHORE

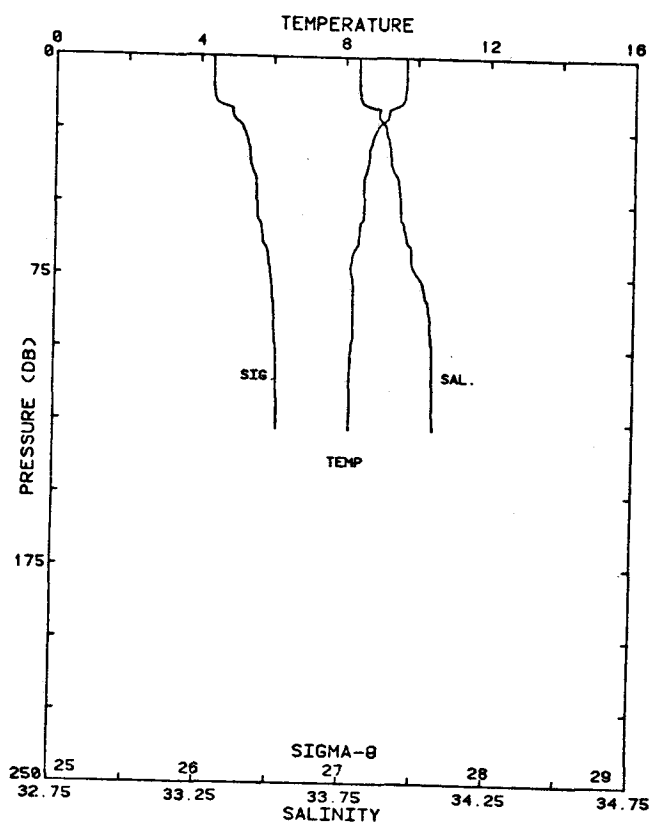
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.294	33.830	9.294	26.176	184.9	0.002
10	9.293	33.828	9.292	26.175	185.2	0.019
20	9.304	33.835	9.302	26.178	185.1	0.037
30	9.332	33.845	9.328	26.182	184.9	0.056
40	9.331	33.848	9.327	26.184	184.9	0.074
50	9.088	33.838	9.083	26.216	182.1	0.092
60	8.981	33.830	8.975	26.227	181.2	0.111
70	8.866	33.834	8.859	26.248	179.1	0.129
80	8.542	33.866	8.534	26.324	172.4	0.146
90	8.399	33.932	8.390	26.397	165.6	0.163
100	8.306	33.961	8.296	26.434	162.2	0.179
110	8.290	33.965	8.278	26.440	161.9	0.196
120	8.234	33.978	8.222	26.459	160.3	0.212
130	8.176	33.998	8.163	26.484	158.1	0.228
140	8.120	34.008	8.106	26.500	156.7	0.243
150	8.118	34.010	8.103	26.502	156.7	0.259
175	8.045	34.030	8.028	26.529	154.6	0.298
200	8.001	34.055	7.981	26.556	152.5	0.336
225	7.894	34.095	7.872	26.603	148.4	0.374
250	7.698	34.146	7.674	26.672	142.3	0.410
300	7.565	34.153	7.536	26.697	140.7	0.481
316	7.529	34.155	7.498	26.704	140.3	0.503

STA NO 74 ,ROS6 LAT: 38 19.2 N LONG:123 26.0 W  
 29 MAY 1982 1422 GHT PROBE 2567 DEPTH 173M  
 28.3 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	9.783	33.770	9.783	26.049	197.0	0.004
10	9.783	33.770	9.782	26.049	197.2	0.020
20	9.753	33.775	9.751	26.058	196.5	0.039
30	9.472	33.832	9.469	26.149	188.1	0.059
40	9.083	33.868	9.079	26.240	179.6	0.077
50	8.656	33.917	8.651	26.346	169.7	0.095
60	8.315	33.967	8.309	26.437	161.2	0.111
70	8.302	33.971	8.295	26.442	160.9	0.127
80	8.297	33.973	8.289	26.445	160.9	0.143
90	8.229	33.997	8.220	26.474	158.3	0.159
100	8.076	34.003	8.066	26.502	155.8	0.175
110	8.023	34.008	8.012	26.514	154.8	0.191
120	8.057	34.033	8.045	26.529	153.6	0.206
130	8.102	34.065	8.089	26.547	152.1	0.221
140	8.084	34.092	8.070	26.571	149.9	0.236
150	8.042	34.099	8.027	26.583	149.0	0.251
166	8.040	34.099	8.023	26.584	149.3	0.275



STATION 74 ROS6



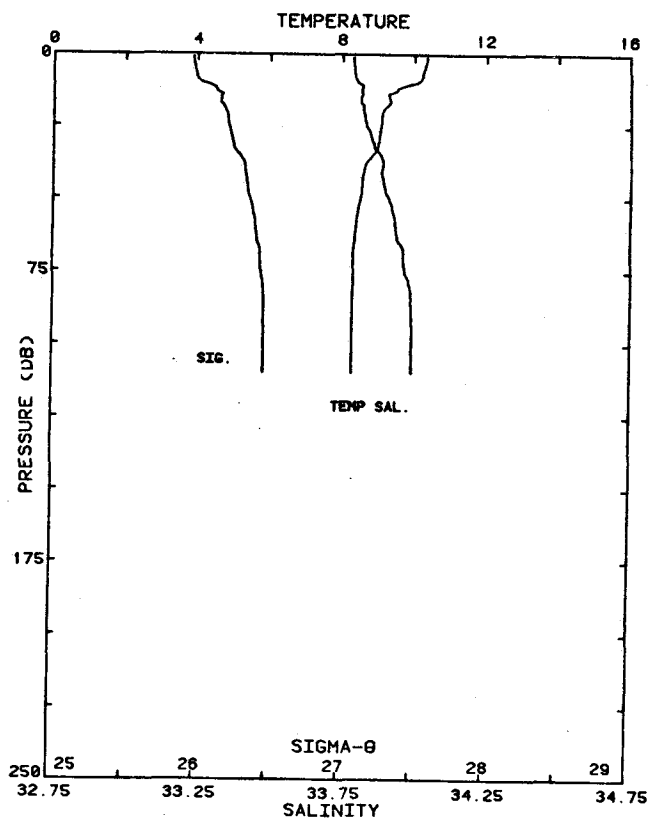
STATION 75 ROSS

STA NO 75 ,ROSS LAT: 38 21.3 N LONG:123 23.3 W  
29 MAY 1982 1507 GMT PROBE 2567 DEPTH 133M  
22.8 KM FROM SHORE

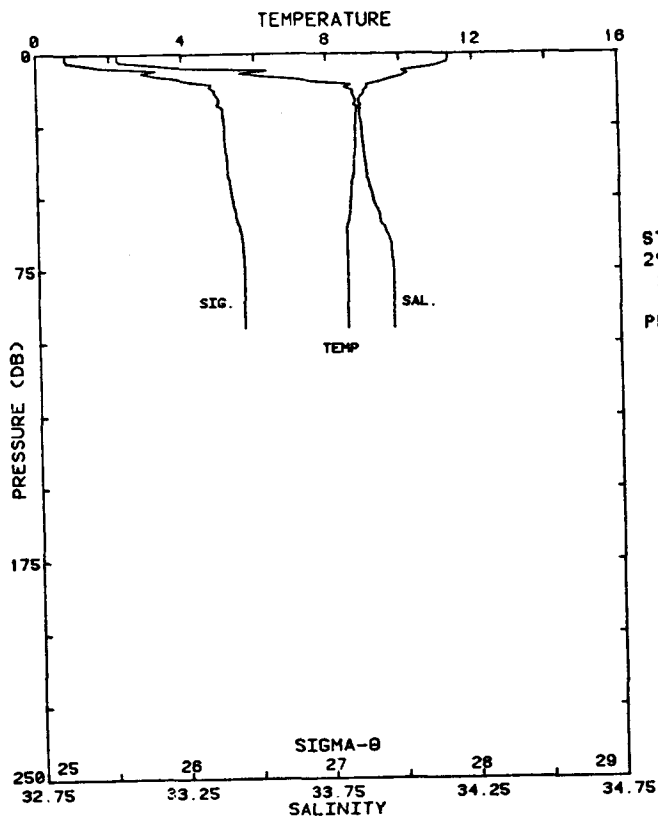
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.685	33.796	9.685	26.085	193.5	0.002
10	9.678	33.796	9.677	26.087	193.6	0.019
20	9.185	33.865	9.183	26.221	191.0	0.038
30	8.708	33.903	8.705	26.326	171.2	0.056
40	8.550	33.924	8.546	26.367	167.5	0.073
50	8.504	33.942	8.499	26.389	165.7	0.089
60	8.375	33.958	8.369	26.421	162.7	0.106
70	8.176	33.981	8.169	26.469	158.3	0.122
80	8.232	34.028	8.224	26.498	155.8	0.138
90	8.237	34.049	8.228	26.514	154.5	0.153
100	8.187	34.056	8.177	26.527	153.4	0.168
110	8.158	34.057	8.147	26.532	153.1	0.184
120	8.151	34.058	8.139	26.534	153.1	0.199
128	8.144	34.060	8.132	26.537	153.0	0.211

STA NO 76 ,ROS4 LAT: 38 23.1 N LONG:123 20.7 W  
29 MAY 1982 1544 GMT PROBE 2567 DEPTH 114M  
17.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.341	33.789	10.341	25.968	204.6	0.002
10	10.053	33.805	10.052	26.030	198.9	0.020
20	9.123	33.823	9.121	26.198	183.1	0.039
30	9.012	33.854	9.009	26.240	179.4	0.057
40	8.605	33.889	8.601	26.331	170.9	0.075
50	8.508	33.913	8.503	26.366	167.8	0.092
60	8.391	33.938	8.385	26.403	164.5	0.108
70	8.322	33.965	8.315	26.435	161.6	0.125
80	8.302	33.985	8.294	26.454	160.0	0.141
90	8.296	33.993	8.287	26.461	159.5	0.157
100	8.297	33.995	8.286	26.462	159.6	0.173
110	8.297	33.995	8.286	26.463	159.7	0.189



STATION 76 ROS4



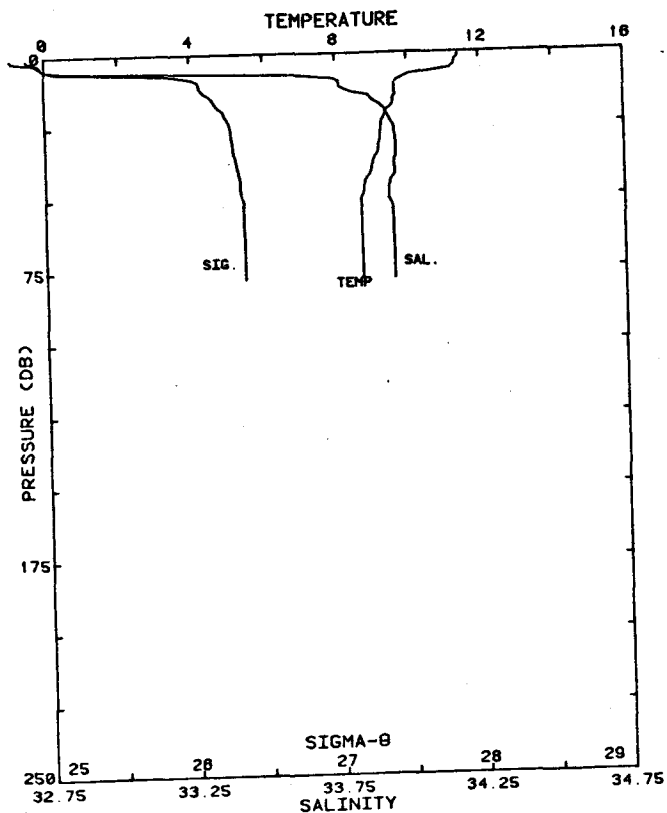
STATION 77 ROS3

STA NO 77 ,ROS3 LAT: 38 24.8 N LONG:123 18.0 W  
 29 MAY 1982 1618 GMT PROBE 2567 DEPTH 100M  
 12.8 KM FROM SHORE

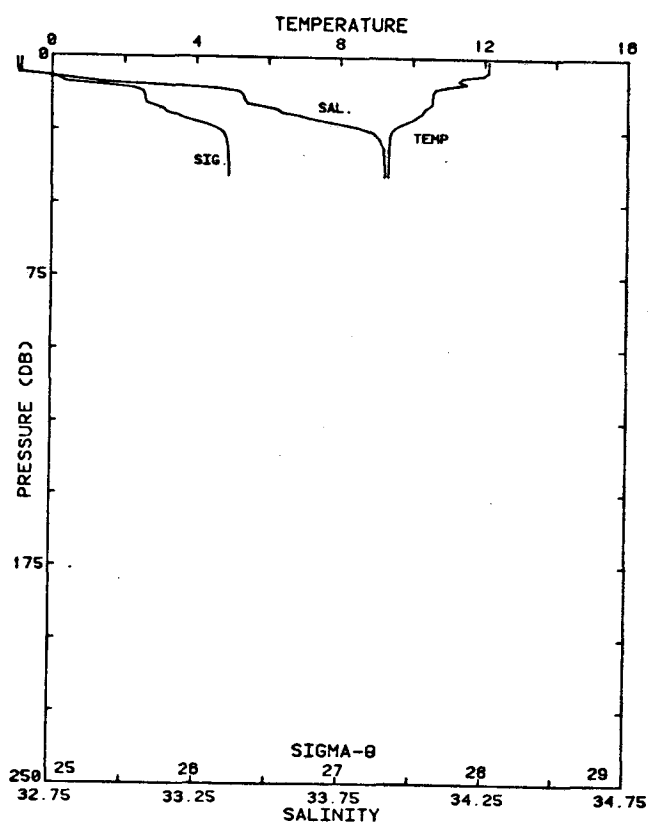
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.345	33.028	11.345	25.200	277.7	0.003
10	9.447	33.712	9.446	26.058	196.2	0.025
20	8.784	33.860	8.782	26.281	175.3	0.043
30	8.753	33.870	8.750	26.293	174.3	0.060
40	8.701	33.880	8.697	26.309	173.0	0.077
50	8.606	33.904	8.601	26.343	170.0	0.095
60	8.496	33.943	8.489	26.391	165.6	0.111
70	8.493	33.967	8.486	26.411	164.0	0.128
80	8.497	33.972	8.489	26.414	163.8	0.144
90	8.498	33.972	8.489	26.414	164.0	0.161
95	8.499	33.973	8.489	26.414	164.1	0.169

STA NO 78 ,ROS2 LAT: 38 26.6 N LONG:123 15.4 W  
 29 MAY 1982 1702 GMT PROBE 2567 DEPTH 85M  
 7.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.430	32.633	11.430	24.878	308.3	0.003
10	9.694	33.765	9.693	26.060	196.1	0.027
20	9.439	33.926	9.437	26.227	180.4	0.046
30	9.241	33.958	9.238	26.285	175.2	0.064
40	8.990	33.954	8.986	26.322	171.8	0.081
50	8.683	33.931	8.678	26.353	169.1	0.098
60	8.702	33.947	8.696	26.362	168.4	0.115
70	8.703	33.948	8.696	26.363	168.5	0.132
78	8.703	33.948	8.695	26.363	168.6	0.145



STATION 78 ROS2

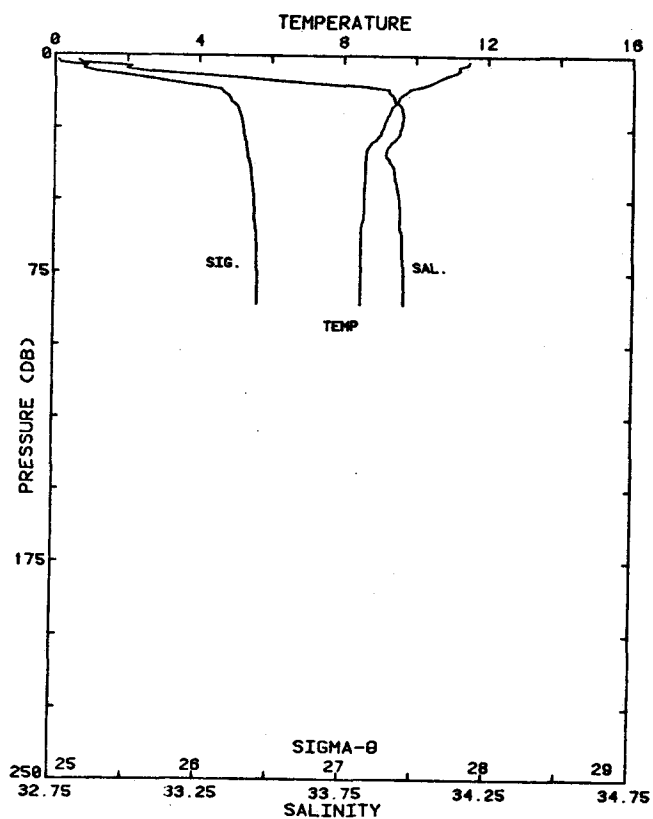


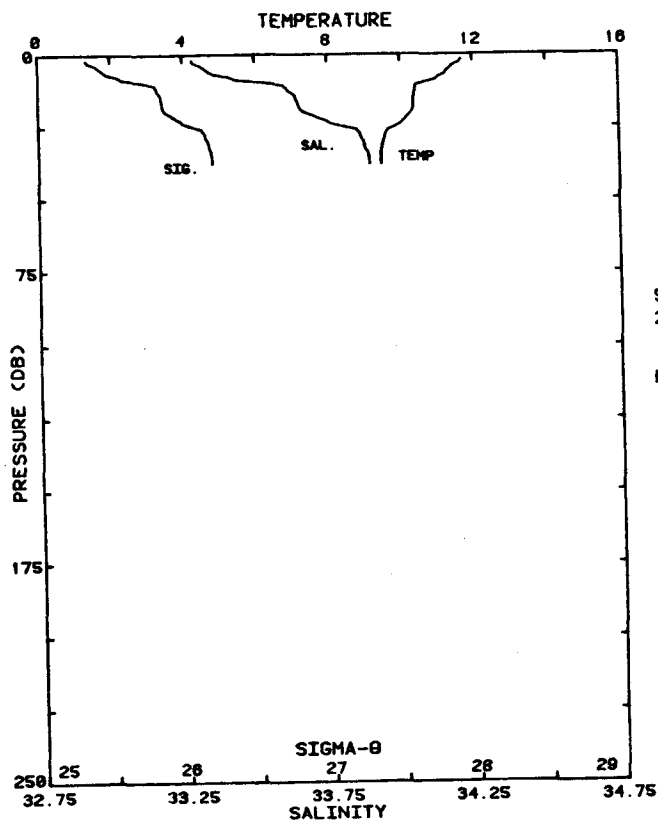
STA NO 79 ,ROS1 LAT: 38 28.3 N LONG:123 12.8 W  
 29 MAY 1982 1738 GNT PROBE 2567 DEPTH 45M  
 2.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.114	32.646	12.114	24.762	319.4	0.003
10	10.965	33.142	10.964	25.356	263.0	0.031
20	10.130	33.607	10.127	25.863	215.0	0.054
30	9.355	33.895	9.352	26.217	181.6	0.073
40	9.335	33.907	9.331	26.230	180.6	0.091
41	9.345	33.904	9.340	26.226	181.0	0.093

STA NO 80 ,CR3 LAT: 38 31.3 N LONG:123 21.7 W  
 29 MAY 1982 1836 GNT PROBE 2567 DEPTH 91M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.472	32.833	11.472	25.026	294.3	0.006
10	10.354	33.670	10.352	25.874	213.8	0.027
20	9.252	33.954	9.250	26.280	175.4	0.045
30	8.764	33.915	8.761	26.327	171.1	0.063
40	8.602	33.925	8.598	26.360	168.2	0.080
50	8.568	33.943	8.563	26.380	166.5	0.096
60	8.501	33.947	8.494	26.393	165.4	0.113
70	8.491	33.956	8.484	26.402	164.7	0.129
80	8.485	33.960	8.477	26.406	164.5	0.146
86	8.487	33.961	8.479	26.406	164.7	0.156





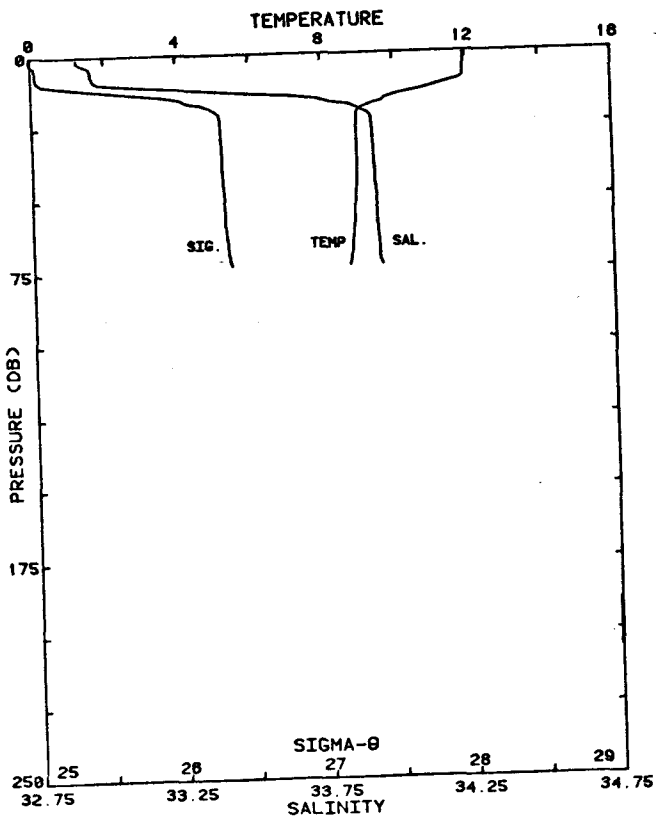
STATION 81 COC1

STA NO 81 ,COC1 LAT: 38 39.9 N LONG:123 25.5 W  
 29 MAY 1982 1941 GMT PROBE 2567 DEPTH 43M  
 0.8 KM FROM SHORE

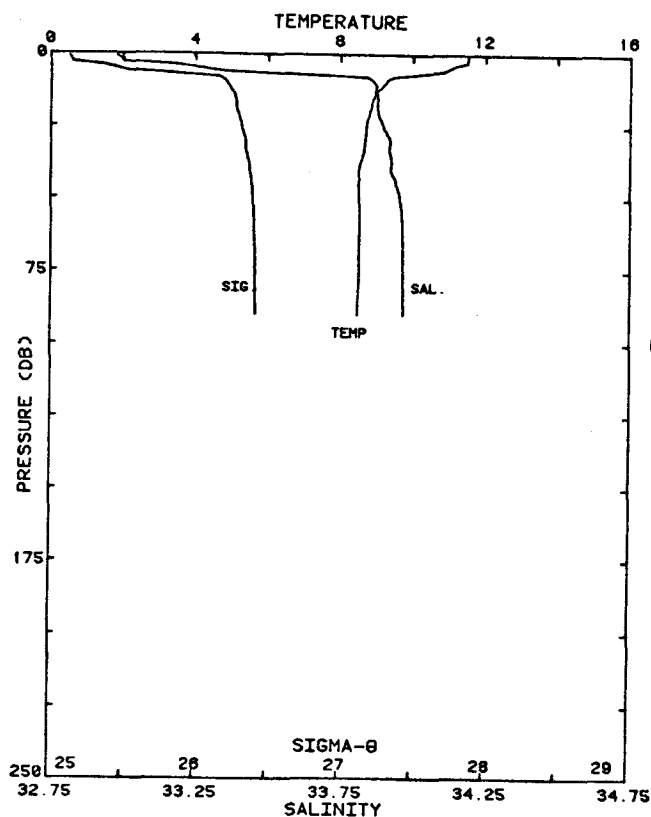
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.698	33.283	11.698	25.333	265.0	0.005
10	10.631	33.539	10.629	25.724	228.0	0.025
20	10.315	33.667	10.312	25.878	213.6	0.047
30	9.517	33.872	9.514	26.172	185.9	0.067
38	9.444	33.892	9.440	26.200	183.4	0.082

STA NO 82 ,COC2 LAT: 38 38.8 N LONG:123 26.9 W  
 29 MAY 1982 2010 GMT PROBE 2567 DEPTH 78M  
 3.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.946	32.906	11.946	24.994	297.2	0.003
10	11.857	32.978	11.855	25.067	290.5	0.029
20	9.030	33.892	9.028	26.267	176.7	0.052
30	8.969	33.928	8.966	26.305	173.2	0.069
40	8.959	33.932	8.955	26.309	173.0	0.086
50	8.911	33.937	8.906	26.322	172.1	0.104
60	8.877	33.943	8.870	26.331	171.3	0.121
70	8.776	33.947	8.769	26.351	169.7	0.138
73	8.731	33.954	8.723	26.363	168.5	0.143



STATION 82 COC2



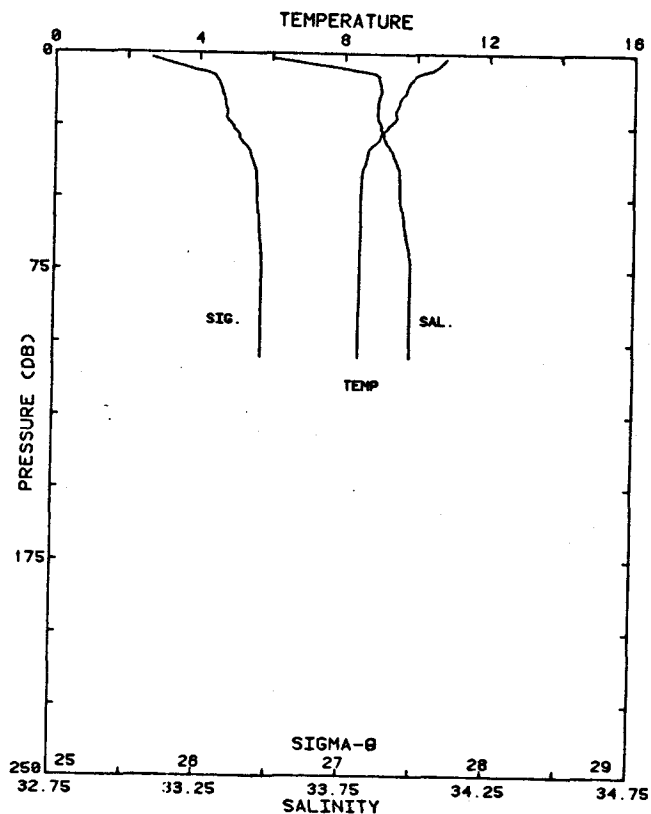
STATION 83 COC3

STA NO 83 ,COC3 LAT: 38 37.5 N LONG:123 28.9 W  
 29 MAY 1982 2043 GMT PROBE 2567 DEPTH 94M  
 7.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.523	32.979	11.523	25.130	284.4	0.003
10	9.238	33.869	9.237	26.213	181.3	0.024
20	8.813	33.882	8.811	26.293	174.1	0.042
30	8.691	33.924	8.688	26.346	169.4	0.059
40	8.517	33.926	8.513	26.374	166.9	0.076
50	8.534	33.958	8.528	26.397	164.9	0.093
60	8.533	33.965	8.527	26.402	164.6	0.109
70	8.511	33.968	8.504	26.408	164.2	0.125
80	8.505	33.968	8.497	26.409	164.3	0.142
90	8.482	33.969	8.473	26.414	164.0	0.158

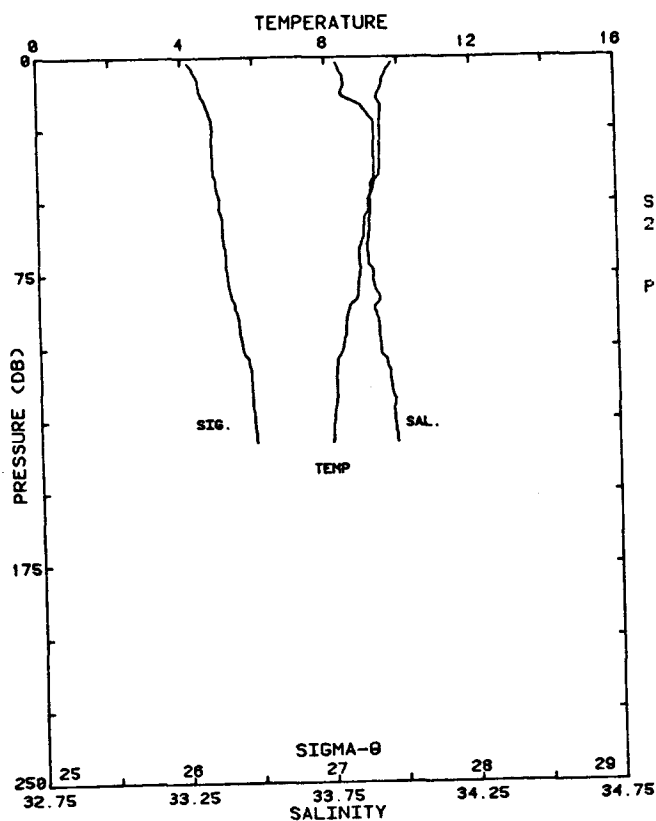
STA NO 84 ,COC4 LAT: 38 36.2 N LONG:123 30.8 W  
 29 MAY 1982 2115 GMT PROBE 2567 DEPTH 111M  
 11.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
2	10.804	33.502	10.804	25.665	233.5	0.005
10	9.772	33.868	9.771	26.127	189.8	0.021
20	9.387	33.862	9.385	26.186	184.4	0.040
30	8.926	33.889	8.923	26.281	175.5	0.058
40	8.502	33.937	8.498	26.385	165.8	0.075
50	8.448	33.942	8.443	26.397	164.8	0.091
60	8.441	33.956	8.435	26.409	163.9	0.108
70	8.425	33.975	8.418	26.427	162.4	0.124
80	8.418	33.978	8.410	26.430	162.3	0.140
90	8.412	33.978	8.403	26.432	162.3	0.157
100	8.411	33.979	8.400	26.433	162.4	0.173
105	8.409	33.980	8.398	26.434	162.4	0.181



STATION 84 COC4



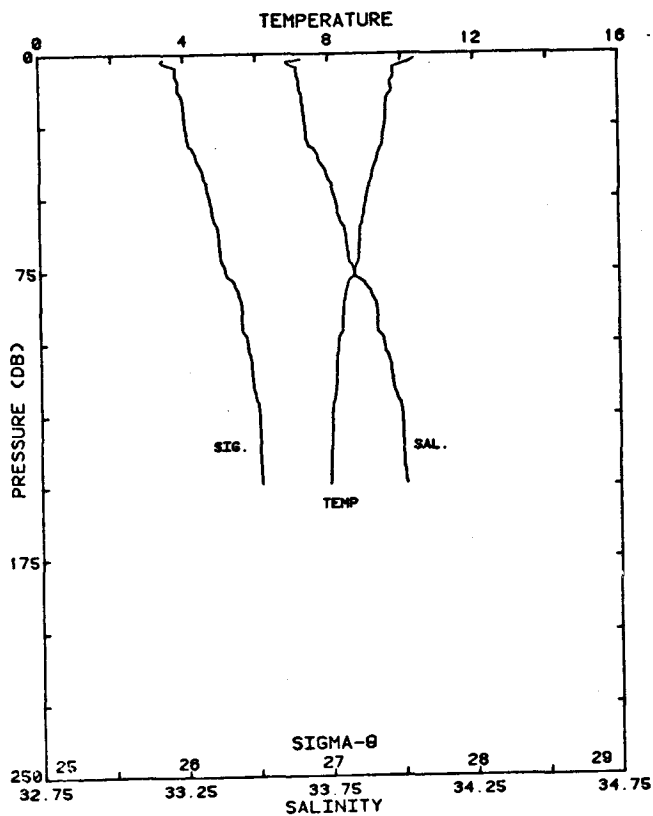


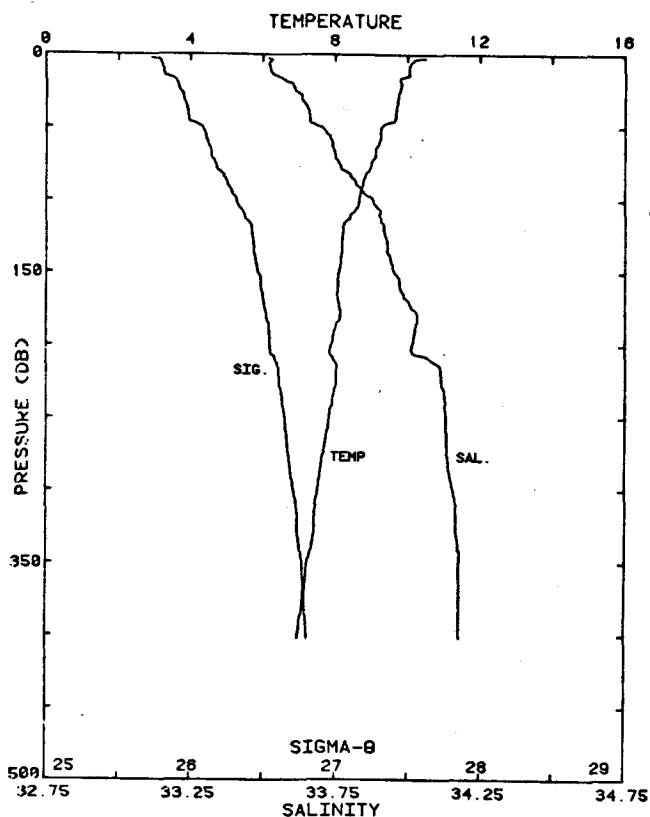
STA NO 85 ,COC5 LAT: 38 34.5 N LONG:123 33.4 W  
29 MAY 1982 2152 GHT PROBE 2567 DEPTH 135M  
16.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	9.868	33.789	9.868	26.049	197.0	0.004
10	9.548	33.813	9.547	26.121	190.3	0.019
20	9.502	33.895	9.500	26.193	183.7	0.038
30	9.488	33.915	9.484	26.211	182.2	0.056
40	9.449	33.915	9.445	26.217	181.8	0.075
50	9.141	33.900	9.136	26.255	178.4	0.093
60	9.001	33.894	8.995	26.274	176.8	0.110
70	8.870	33.891	8.863	26.292	175.3	0.128
80	8.830	33.914	8.822	26.317	173.1	0.145
90	8.491	33.922	8.482	26.375	167.7	0.162
100	8.378	33.930	8.368	26.399	165.6	0.179
110	8.173	33.960	8.162	26.454	160.6	0.195
120	8.163	33.975	8.151	26.467	159.5	0.211
130	8.080	33.981	8.067	26.485	158.0	0.227
133	8.069	33.983	8.055	26.488	157.7	0.232

STA NO 86 ,COC6 LAT: 38 32.7 N LONG:123 36.2 W  
29 MAY 1982 2236 GHT PROBE 2567 DEPTH 155M  
21.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.370	33.657	10.370	25.861	214.8	0.004
10	9.709	33.650	9.708	25.967	204.9	0.021
20	9.581	33.663	9.579	25.999	202.1	0.041
30	9.481	33.673	9.478	26.023	200.0	0.062
40	9.201	33.733	9.196	26.116	191.4	0.081
50	9.020	33.770	9.015	26.174	186.1	0.100
60	8.843	33.801	8.836	26.226	181.3	0.118
70	8.796	33.813	8.789	26.243	179.9	0.136
80	8.481	33.875	8.473	26.340	170.8	0.154
90	8.356	33.913	8.347	26.389	166.3	0.171
100	8.219	33.936	8.209	26.428	162.8	0.187
110	8.154	33.959	8.143	26.456	160.3	0.203
120	8.077	33.981	8.065	26.485	157.8	0.219
130	8.013	33.995	8.000	26.506	155.9	0.235
140	7.990	34.001	7.976	26.513	155.4	0.251
149	7.966	34.010	7.952	26.524	154.5	0.265





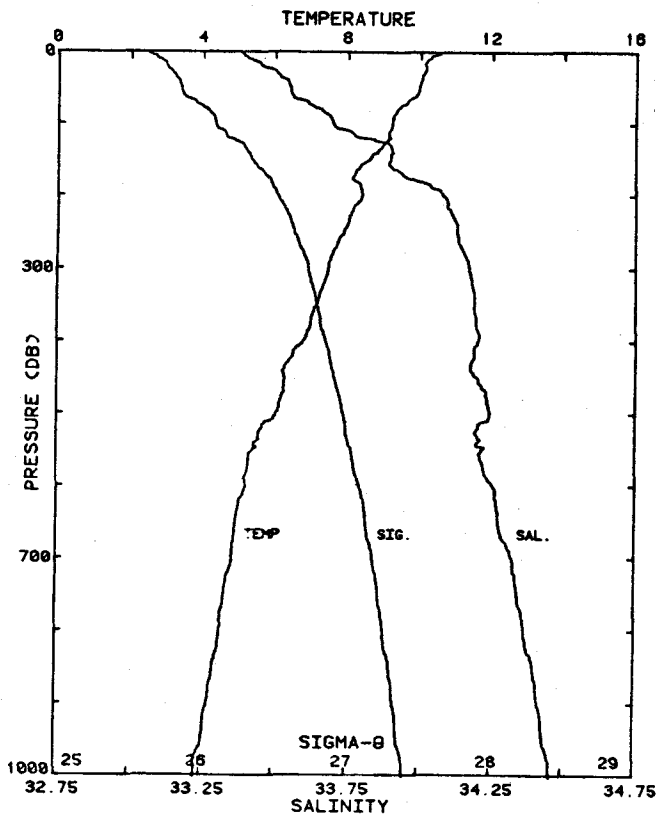
STA NO 87 ,COC7 LAT: 38 30.3 N LONG:123 39.6 W  
 29 MAY 1982 2327 GMT PROBE 2567 DEPTH 415M  
 27.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
3	10.488	33.517	10.488	25.732	227.2	0.007
10	10.044	33.525	10.042	25.814	219.5	0.022
20	9.813	33.598	9.811	25.910	210.6	0.044
30	9.734	33.633	9.731	25.950	206.9	0.065
40	9.674	33.658	9.669	25.980	204.3	0.085
50	9.272	33.705	9.266	26.083	194.7	0.106
60	9.221	33.739	9.214	26.117	191.7	0.125
70	9.104	33.750	9.099	26.144	189.3	0.144
80	8.925	33.780	8.917	26.197	184.5	0.163
90	8.747	33.825	8.738	26.260	178.6	0.181
100	8.647	33.880	8.637	26.319	173.3	0.198
110	8.405	33.903	8.394	26.374	168.1	0.215
120	8.192	33.917	8.180	26.418	164.2	0.232
130	8.163	33.928	8.150	26.430	163.1	0.248
140	8.132	33.939	8.118	26.444	162.1	0.265
150	8.083	33.953	8.068	26.462	160.5	0.281
175	8.110	34.016	8.092	26.508	156.6	0.320
200	7.869	34.015	7.850	26.543	153.6	0.359
225	7.989	34.114	7.966	26.604	148.4	0.396
250	7.798	34.130	7.774	26.645	144.9	0.433
300	7.492	34.157	7.463	26.711	139.3	0.504
400	6.958	34.178	6.921	26.804	131.8	0.640
402	6.956	34.179	6.918	26.804	131.8	0.642

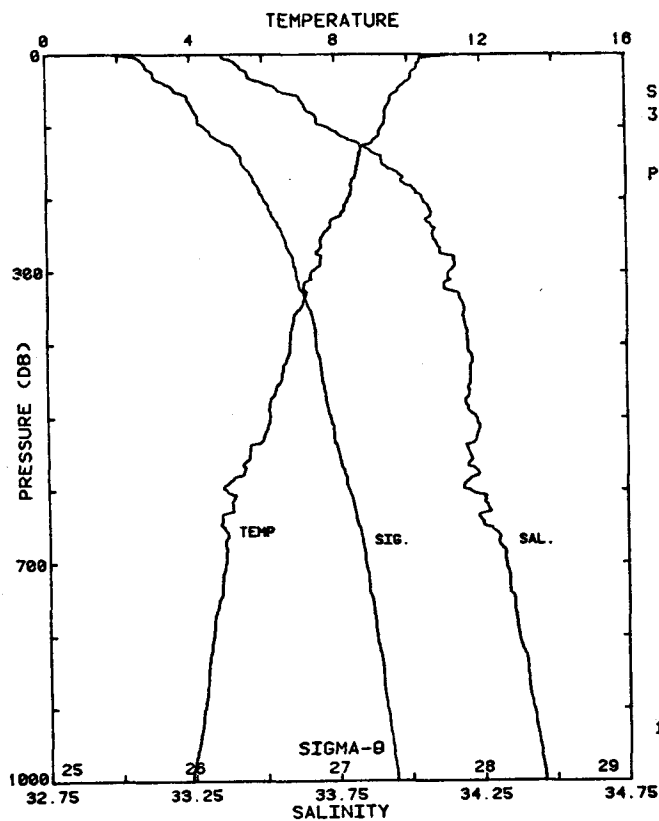
STATION 87 COC7

STA NO 88 ,COC8 LAT: 38 27.1 N LONG:123 44.6 W  
 30 MAY 1982 0032 GMT PROBE 2567 DEPTH 1237M  
 37.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
3	10.551	33.385	10.551	25.618	238.0	0.007
10	10.256	33.408	10.255	25.687	231.6	0.024
20	10.138	33.456	10.136	25.744	226.3	0.046
30	10.091	33.505	10.088	25.791	222.1	0.069
40	10.021	33.541	10.017	25.831	218.5	0.091
50	9.958	33.550	9.953	25.849	217.1	0.113
60	9.904	33.555	9.897	25.862	216.0	0.134
70	9.632	33.611	9.625	25.950	207.8	0.155
80	9.358	33.657	9.350	26.032	200.2	0.176
90	9.238	33.687	9.229	26.075	194.3	0.194
100	9.215	33.699	9.204	26.088	195.3	0.215
110	9.151	33.755	9.139	26.142	190.3	0.235
120	9.166	33.801	9.153	26.176	187.4	0.254
130	8.953	33.897	8.939	26.284	177.2	0.272
140	8.785	33.906	8.770	26.318	174.2	0.289
150	8.584	33.897	8.568	26.343	172.0	0.307
175	8.124	33.955	8.106	26.459	161.3	0.348
200	8.382	34.080	8.362	26.518	156.3	0.388
225	8.083	34.111	8.061	26.587	150.0	0.426
250	7.886	34.129	7.862	26.631	146.2	0.463
300	7.455	34.172	7.426	26.728	137.7	0.534
400	6.769	34.203	6.732	26.848	127.4	0.666
500	6.059	34.245	6.016	26.976	116.1	0.788
600	5.225	34.256	5.176	27.087	105.9	0.899
800	4.517	34.370	4.455	27.259	90.8	1.094
1000	3.842	34.461	3.768	27.403	77.7	1.263
1002	3.842	34.462	3.767	27.404	77.7	1.264



STATION 88 COC8

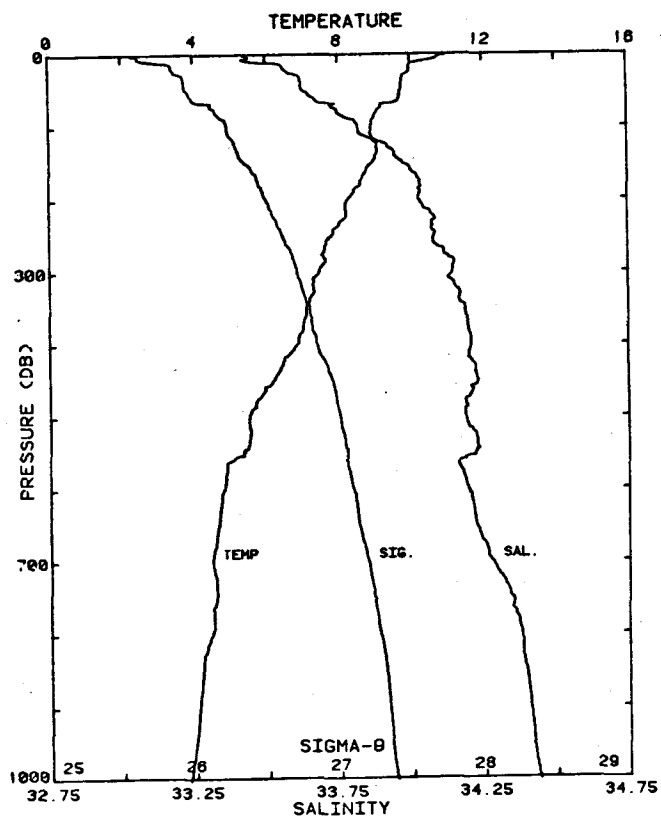


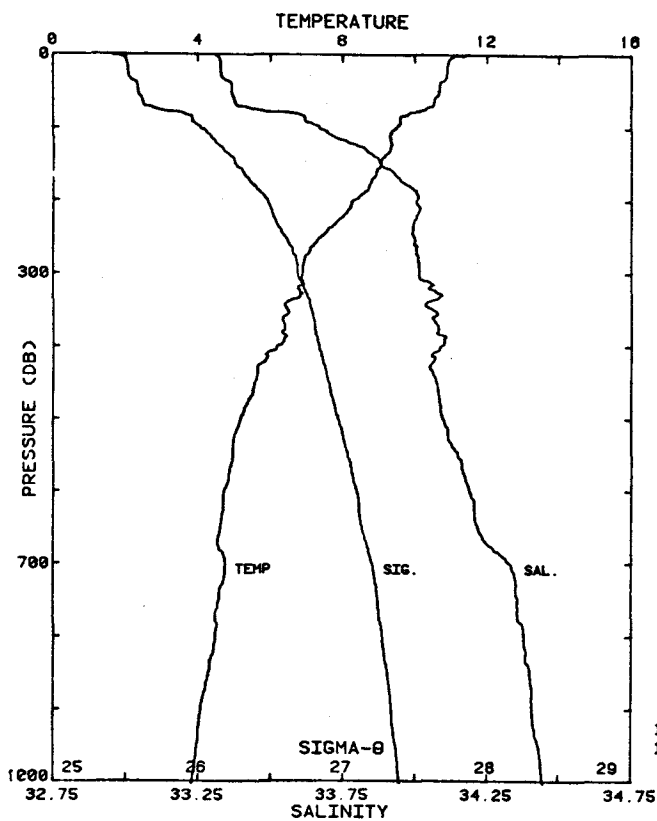
STA NO 89 ,COC9 LAT: 38 24.0 N LONG:123 19.3 W  
30 MAY 1982 0150 GMT PROBE 2567 DEPTH 1731M  
46.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.157	33.369	11.156	25.499	249.3	0.002
10	10.349	33.397	10.348	25.662	233.9	0.024
20	10.252	33.424	10.249	25.700	230.5	0.047
30	10.094	33.449	10.090	25.747	226.3	0.070
40	9.932	33.497	9.927	25.811	220.4	0.092
50	9.744	33.551	9.738	25.885	213.6	0.114
60	9.527	33.627	9.521	25.980	204.7	0.135
70	9.470	33.642	9.462	26.001	202.9	0.155
80	9.377	33.657	9.369	26.029	200.5	0.176
90	9.365	33.686	9.355	26.053	198.1	0.196
100	9.278	33.719	9.267	26.093	194.8	0.215
110	9.201	33.760	9.189	26.138	190.8	0.235
120	9.014	33.805	9.001	26.203	184.7	0.253
130	8.681	33.854	8.667	26.294	176.2	0.271
140	8.663	33.897	8.648	26.331	172.9	0.289
150	8.603	33.909	8.587	26.349	171.4	0.306
175	8.424	33.974	8.406	26.428	164.4	0.348
200	8.325	34.049	8.305	26.502	157.7	0.388
225	8.019	34.072	7.997	26.567	151.9	0.427
250	7.629	34.083	7.605	26.632	146.0	0.464
300	7.307	34.137	7.279	26.722	138.2	0.535
400	6.702	34.201	6.666	26.856	126.6	0.667
500	6.126	34.228	6.082	26.954	118.3	0.789
600	4.931	34.206	4.884	27.081	106.0	0.902
800	4.519	34.371	4.457	27.259	90.7	1.097
1000	3.914	34.458	3.839	27.394	78.9	1.267

STA NO 90 ,COC10 LAT: 38 20.8 N LONG:123 54.5 W  
30 MAY 1982 0310 GMT PROBE 2567 DEPTH 2467M  
55.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.003	33.426	11.002	25.570	242.5	0.002
10	10.383	33.438	10.382	25.688	231.4	0.024
20	9.985	33.561	9.983	25.852	216.1	0.046
30	9.807	33.613	9.803	25.924	209.4	0.067
40	9.760	33.622	9.755	25.937	208.4	0.088
50	9.739	33.625	9.733	25.943	208.0	0.109
60	9.694	33.658	9.687	25.977	205.0	0.130
70	9.174	33.722	9.167	26.112	192.4	0.150
80	9.063	33.747	9.055	26.149	189.1	0.169
90	8.958	33.793	8.948	26.202	184.2	0.188
100	8.907	33.818	8.896	26.230	181.8	0.206
110	8.896	33.824	8.885	26.237	181.3	0.224
120	8.966	33.884	8.954	26.272	178.1	0.242
130	9.051	33.923	9.037	26.290	176.7	0.260
140	9.020	33.942	9.005	26.310	175.1	0.277
150	8.929	33.971	8.913	26.347	171.7	0.295
175	8.614	34.030	8.596	26.442	163.0	0.336
200	8.256	34.025	8.235	26.494	158.5	0.376
225	8.198	34.079	8.175	26.545	154.1	0.415
250	7.812	34.081	7.787	26.605	148.7	0.453
300	7.437	34.142	7.408	26.707	139.6	0.525
400	6.835	34.208	6.798	26.844	127.9	0.658
500	5.482	34.184	5.440	26.999	113.2	0.778
600	4.784	34.193	4.738	27.087	105.2	0.887
800	4.440	34.377	4.378	27.273	89.3	1.081
1000	3.815	34.440	3.741	27.389	79.0	1.249
1002	3.812	34.441	3.737	27.391	78.9	1.250



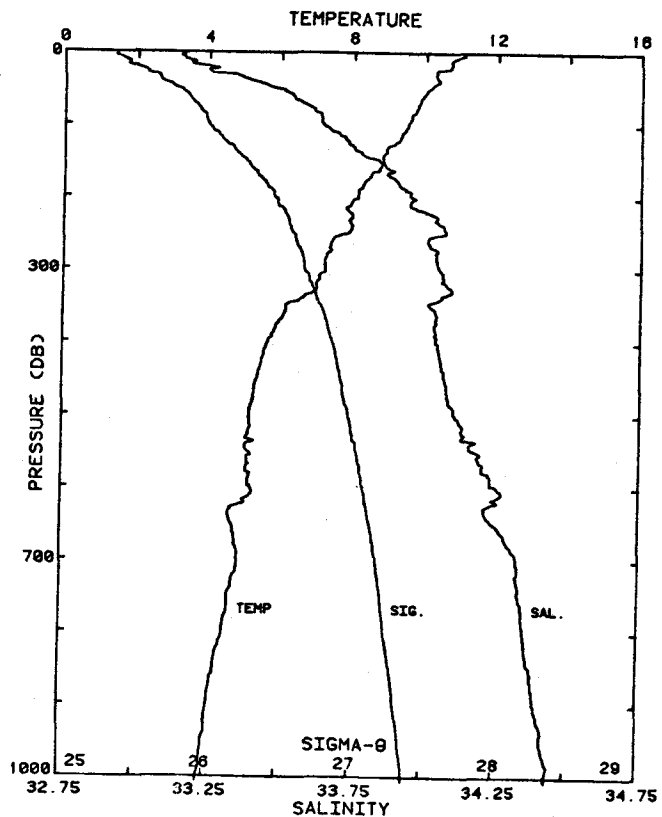


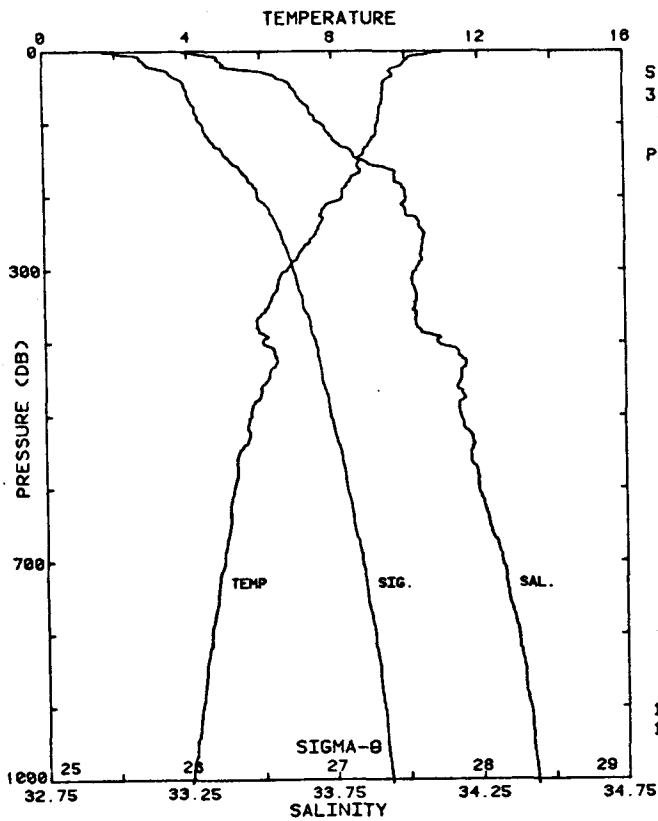
STA NO 91 ,NOR8 LAT: 38 34.5 N LONG:124 3.0 W  
30 MAY 1982 0524 GMT PROBE 2567 DEPTH 2355M  
46.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.434	33.322	11.434	25.412	257.5	0.003
10	10.934	33.328	10.933	25.506	248.7	0.025
20	10.891	33.330	10.889	25.515	248.1	0.050
30	10.881	33.332	10.877	25.520	247.9	0.075
40	10.689	33.366	10.684	25.580	242.4	0.099
50	10.668	33.367	10.662	25.585	242.2	0.124
60	10.553	33.375	10.546	25.611	239.9	0.148
70	10.505	33.385	10.497	25.627	238.6	0.172
80	9.838	33.588	9.829	25.898	212.9	0.195
90	9.591	33.621	9.581	25.966	206.8	0.215
100	9.483	33.669	9.472	26.021	201.7	0.236
110	9.290	33.710	9.278	26.084	195.8	0.256
120	9.336	33.767	9.323	26.122	192.5	0.275
130	9.303	33.830	9.289	26.176	187.5	0.294
140	9.142	33.861	9.126	26.227	182.9	0.313
150	9.041	33.881	9.025	26.258	180.1	0.331
175	8.776	33.957	8.758	26.360	170.8	0.375
200	8.267	34.005	8.247	26.477	160.1	0.416
225	7.919	34.003	7.897	26.527	155.7	0.455
250	7.400	33.998	7.376	26.598	149.0	0.494
300	6.869	34.014	6.842	26.685	141.3	0.565
400	6.185	34.090	6.150	26.836	128.0	0.699
500	5.174	34.096	5.134	26.965	116.0	0.821
600	4.715	34.185	4.668	27.089	104.9	0.932
800	4.461	34.378	4.399	27.271	89.5	1.125
1000	3.841	34.446	3.767	27.391	78.9	1.293
1003	3.831	34.447	3.757	27.393	78.8	1.295

STA NO 92 ,NOR7 LAT: 38 37.9 N LONG:123 58.0 W  
30 MAY 1982 0659 GMT PROBE 2567 DEPTH 2044M  
36.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.118	33.172	11.118	25.352	263.2	0.003
10	10.746	33.163	10.745	25.411	257.8	0.026
20	10.670	33.247	10.668	25.490	250.5	0.052
30	10.273	33.248	10.270	25.575	242.6	0.076
40	10.353	33.395	10.348	25.660	234.7	0.100
50	10.109	33.470	10.104	25.761	225.4	0.123
60	9.910	33.537	9.903	25.847	217.4	0.145
70	9.814	33.568	9.806	25.887	213.8	0.166
80	9.719	33.613	9.710	25.938	209.2	0.188
90	9.593	33.637	9.583	25.978	205.6	0.208
100	9.497	33.645	9.486	26.000	203.7	0.229
110	9.363	33.689	9.351	26.056	198.5	0.249
120	9.274	33.721	9.261	26.096	195.0	0.269
130	8.932	33.748	8.919	26.172	187.9	0.288
140	8.833	33.777	8.818	26.210	184.4	0.306
150	8.815	33.838	8.799	26.261	179.8	0.325
175	8.378	33.896	8.360	26.373	169.4	0.368
200	8.124	33.959	8.104	26.462	161.4	0.410
225	7.973	34.038	7.950	26.547	153.8	0.449
250	7.742	34.062	7.718	26.600	149.1	0.487
300	7.224	34.051	7.196	26.666	143.4	0.560
400	5.669	34.040	5.636	26.861	125.1	0.693
500	5.180	34.108	5.140	26.974	115.2	0.813
600	5.247	34.257	5.198	27.085	106.1	0.923
800	4.520	34.354	4.458	27.245	92.1	1.119
1000	3.849	34.439	3.774	27.385	79.5	1.290
1006	3.833	34.438	3.758	27.386	79.4	1.294





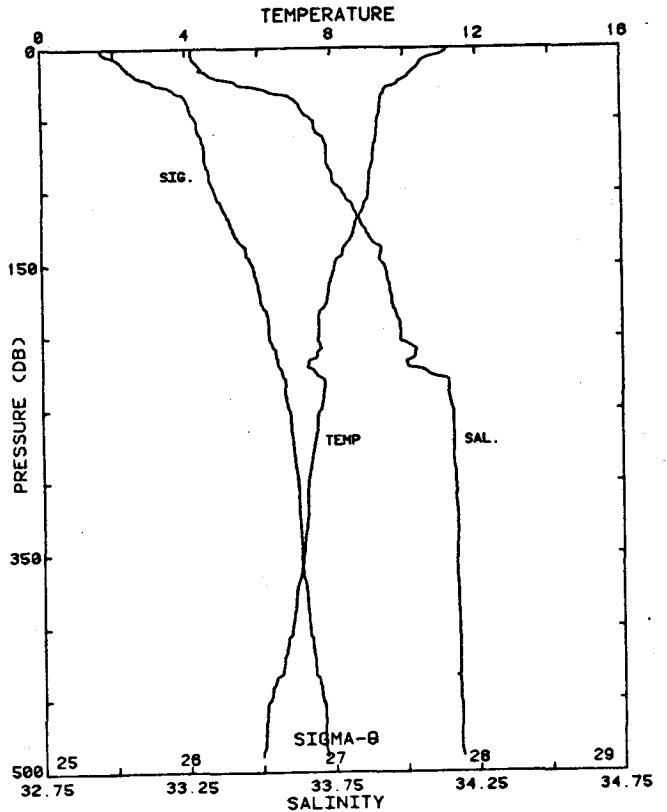
STA NO 93 ,NOR6 LAT: 38 41.1 N LONG:123 53.3 W  
 30 MAY 1982 0817 GMT PROBE 2567 DEPTH 1410M  
 27.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.001	33.237	11.001	25.424	256.4	0.005
10	10.106	33.356	10.105	25.672	233.0	0.024
20	9.914	33.377	9.911	25.721	228.5	0.048
30	9.643	33.515	9.640	25.873	214.2	0.070
40	9.502	33.573	9.498	25.942	207.9	0.091
50	9.420	33.609	9.415	25.983	204.2	0.111
60	9.401	33.628	9.394	26.001	202.7	0.132
70	9.382	33.614	9.374	26.018	201.4	0.152
80	9.313	33.672	9.305	26.051	198.4	0.172
90	9.285	33.689	9.275	26.069	196.9	0.192
100	9.239	33.713	9.228	26.094	194.7	0.211
110	9.209	33.729	9.197	26.112	193.2	0.231
120	9.092	33.752	9.079	26.149	189.8	0.250
130	8.983	33.776	8.970	26.185	186.6	0.269
140	8.846	33.820	8.831	26.242	181.4	0.287
150	8.704	33.847	8.688	26.285	177.4	0.305
175	8.497	33.963	8.479	26.408	166.2	0.348
200	8.242	34.000	8.221	26.476	160.1	0.389
225	7.632	34.000	7.611	26.566	151.8	0.427
250	7.510	34.061	7.486	26.632	145.9	0.465
300	6.717	34.033	6.690	26.721	137.8	0.535
400	6.004	34.106	5.969	26.871	124.5	0.667
500	5.689	34.183	5.647	26.973	116.0	0.787
600	5.183	34.242	5.134	27.081	106.4	0.898
800	4.536	34.377	4.473	27.262	90.5	1.094
1000	3.972	34.437	3.896	27.371	81.1	1.265
1005	3.954	34.440	3.878	27.375	80.7	1.270

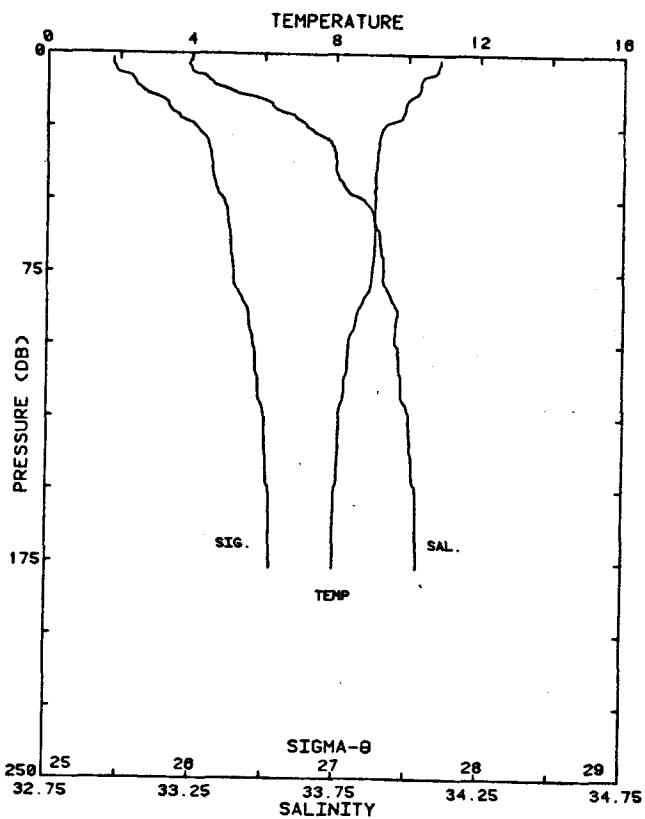
STATION 93 NOR6

STA NO 94 ,NORS LAT: 38 42.8 N LONG:123 50.7 W  
 30 MAY 1982 0932 GMT PROBE 2567 DEPTH 506M  
 22.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.202	33.272	11.202	25.415	257.2	0.003
10	10.481	33.284	10.480	25.551	244.4	0.025
20	10.107	33.337	10.104	25.657	234.6	0.049
30	9.469	33.532	9.465	25.915	210.2	0.071
40	9.358	33.641	9.354	26.018	200.7	0.092
50	9.283	33.682	9.277	26.063	196.7	0.112
60	9.239	33.706	9.232	26.089	194.4	0.131
70	9.161	33.732	9.154	26.121	191.5	0.151
80	9.119	33.732	9.111	26.128	191.0	0.170
90	9.041	33.751	9.031	26.156	188.6	0.189
100	9.006	33.786	8.996	26.189	185.6	0.207
110	8.877	33.821	8.865	26.237	181.2	0.226
120	8.652	33.847	8.639	26.293	176.1	0.244
130	8.559	33.878	8.546	26.331	172.6	0.261
140	8.297	33.920	8.283	26.404	165.8	0.278
150	8.061	33.930	8.046	26.448	161.8	0.294
175	7.839	33.955	7.822	26.500	157.2	0.334
200	7.580	33.982	7.560	26.560	151.9	0.373
225	7.510	34.078	7.488	26.645	144.3	0.410
250	7.658	34.164	7.633	26.692	140.4	0.445
300	7.283	34.172	7.254	26.753	135.2	0.514
400	6.815	34.182	6.778	26.825	129.6	0.647
489	5.987	34.193	5.945	26.944	118.9	0.757



STATION 94 NORS



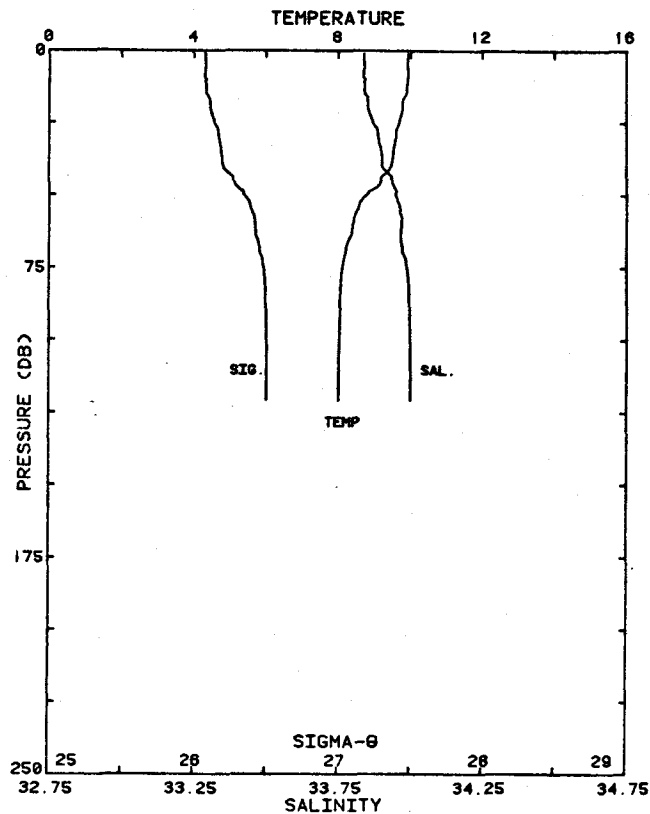
STATION 95 NOR4

STA NO 95 ,NOR4 LAT: 38 44.9 N LONG:123 47.9 W  
30 MAY 1982 1018 GMT PROBE 2567 DEPTH 184M  
16.1 KM FROM SHORE

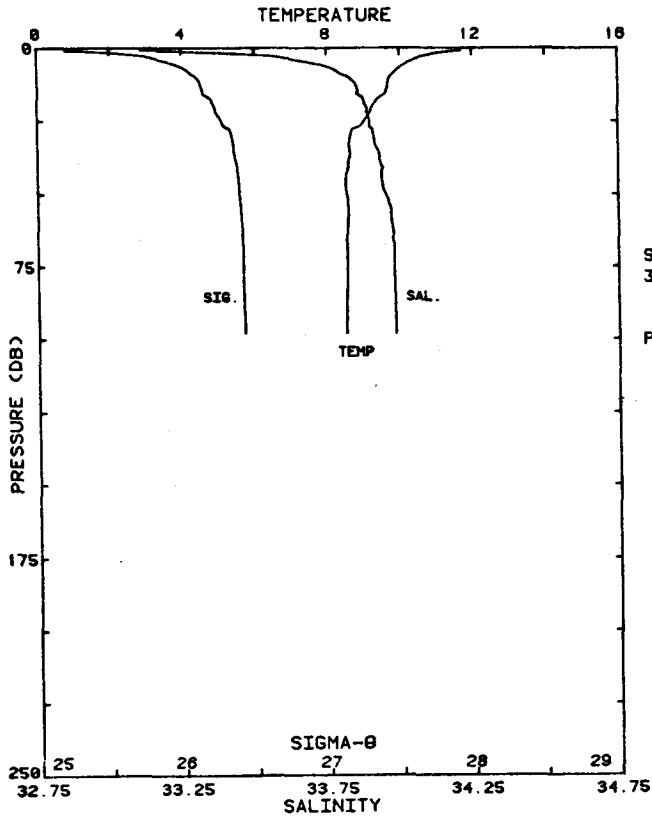
PRESS	TEMP	SAL	POTEN	SIGMA	SVa	DELD
	TEMP		TEMP	THETA		
2	10.890	33.245	10.890	25.449	254.0	0.005
10	10.329	33.320	10.328	25.606	239.2	0.025
20	9.907	33.566	9.905	25.869	214.4	0.048
30	9.207	33.731	9.204	26.113	191.5	0.068
40	9.122	33.748	9.117	26.140	189.1	0.087
50	9.106	33.819	9.101	26.221	181.6	0.105
60	9.093	33.894	9.086	26.259	178.2	0.123
70	9.060	33.916	9.052	26.281	174.3	0.141
80	8.949	33.924	8.940	26.305	174.2	0.159
90	8.588	33.965	8.579	26.394	165.9	0.176
100	8.360	33.960	8.350	26.426	163.1	0.192
110	8.289	33.973	8.278	26.447	161.2	0.208
120	8.161	33.988	8.149	26.478	158.4	0.224
130	8.072	34.005	8.059	26.505	156.1	0.240
140	8.050	34.015	8.036	26.516	155.2	0.255
150	7.975	34.030	7.960	26.539	153.2	0.271
175	7.954	34.035	7.936	26.547	152.9	0.309
177	7.954	34.036	7.937	26.547	152.9	0.312

STA NO 96 ,NOR3 LAT: 38 46.5 N LONG:123 45.1 W  
30 MAY 1982 1108 GMT PROBE 2567 DEPTH 133M  
12.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVa	DELD
	TEMP		TEMP	THETA		
1	9.924	33.839	9.924	26.079	194.1	0.002
10	9.912	33.844	9.910	26.085	193.8	0.019
20	9.776	33.854	9.773	26.116	191.0	0.039
30	9.594	33.888	9.591	26.172	185.9	0.058
40	9.468	33.903	9.464	26.205	183.0	0.076
50	8.797	33.947	8.792	26.347	169.6	0.094
60	8.413	33.969	8.407	26.424	162.5	0.110
70	8.206	33.974	8.199	26.459	159.3	0.126
80	8.077	33.994	8.069	26.494	156.1	0.142
90	8.051	33.997	8.042	26.501	155.7	0.157
100	8.040	33.999	8.030	26.504	155.5	0.173
110	8.031	34.001	8.020	26.508	155.4	0.189
120	8.033	34.002	8.021	26.508	155.6	0.204
121	8.034	34.002	8.022	26.508	155.6	0.206



STATION 96 NOR3



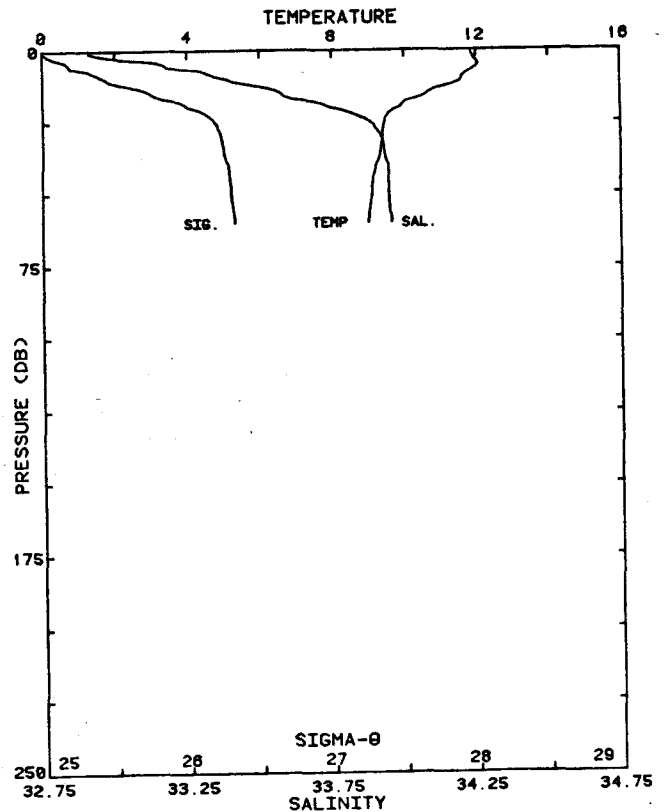
STATION 97 NOR2

STA NO 97 ,NOR2 LAT: 38 48.5 N LONG:123 42.8 W  
 30 MAY 1982 1147 GHT PROBE 2567 DEPTH 107M  
 7.0 KM FROM SHORE

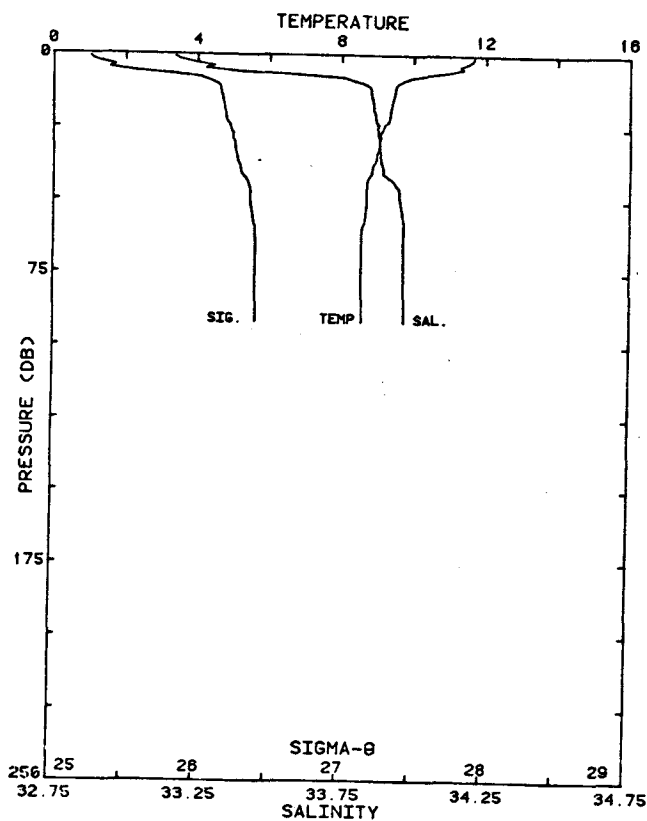
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	11.709	33.110	11.709	25.196	278.0	0.003
10	9.743	33.823	9.741	26.096	192.6	0.022
20	9.258	33.885	9.255	26.225	180.6	0.041
30	8.644	33.910	8.641	26.342	169.7	0.058
40	8.569	33.935	8.564	26.373	166.9	0.075
50	8.527	33.950	8.522	26.391	165.4	0.092
60	8.536	33.969	8.530	26.405	164.3	0.108
70	8.517	33.977	8.510	26.414	163.6	0.125
80	8.519	33.978	8.511	26.415	163.7	0.141
90	8.498	33.979	8.489	26.419	163.5	0.157
98	8.490	33.980	8.480	26.421	163.5	0.171

STA NO 98 ,NOR1 LAT: 38 50.0 N LONG:123 40.1 W  
 30 MAY 1982 1254 GMT PROBE 2567 DEPTH 63M  
 2.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	11.868	32.912	11.868	25.013	295.4	0.003
10	11.583	33.388	11.581	25.436	255.5	0.028
20	9.877	33.742	9.875	26.011	200.9	0.051
30	9.383	33.918	9.379	26.231	180.3	0.069
40	9.193	33.944	9.189	26.281	175.7	0.087
50	9.090	33.945	9.085	26.299	174.2	0.104
60	8.993	33.953	8.987	26.321	172.3	0.122



STATION 98 NOR1



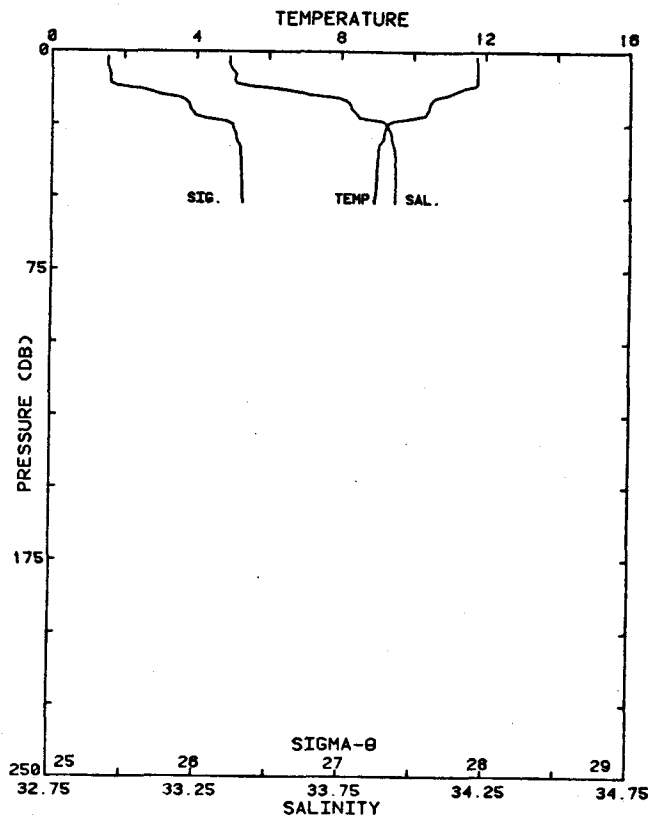
STATION 99 IN3

STA NO 99 IN3 LAT: 38 54.2 N LONG: 123 46.8 W  
30 MAY 1982 1353 GMT PROBE 2567 DEPTH 94M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.662	33.171	11.661	25.252	272.7	0.003
10	9.560	33.829	9.559	26.131	189.3	0.024
20	9.342	33.866	9.340	26.196	183.4	0.043
30	9.040	33.881	9.037	26.257	177.8	0.061
40	8.827	33.894	8.823	26.301	173.8	0.078
50	8.689	33.954	8.684	26.369	167.5	0.095
60	8.556	33.966	8.549	26.400	164.8	0.112
70	8.547	33.967	8.540	26.402	164.9	0.128
80	8.547	33.967	8.539	26.402	164.9	0.145
90	8.549	33.968	8.539	26.403	165.1	0.161
92	8.550	33.968	8.541	26.402	165.2	0.165

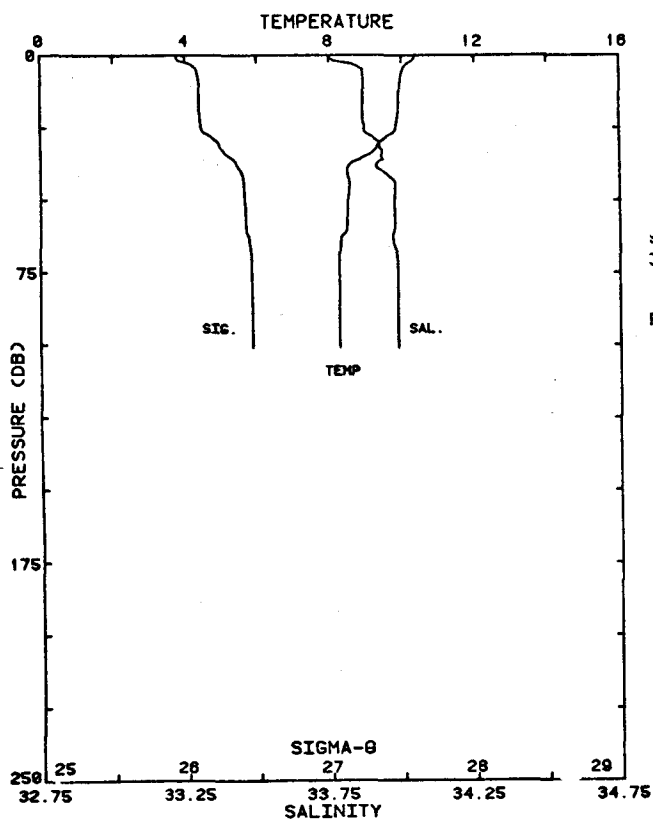
STA NO 100 ARI LAT: 38 57.0 N LONG: 123 46.1 W  
30 MAY 1982 1432 GMT PROBE 2567 DEPTH 56M  
2.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.753	33.365	11.753	25.386	260.0	0.005
10	11.754	33.380	11.753	25.398	259.0	0.026
20	10.406	33.786	10.403	25.955	206.3	0.049
30	9.150	33.923	9.146	26.272	176.4	0.067
40	8.987	33.937	8.982	26.309	173.1	0.085
50	8.944	33.936	8.939	26.313	172.7	0.102
52	8.918	33.936	8.913	26.319	172.3	0.106



STATION 100 ARI





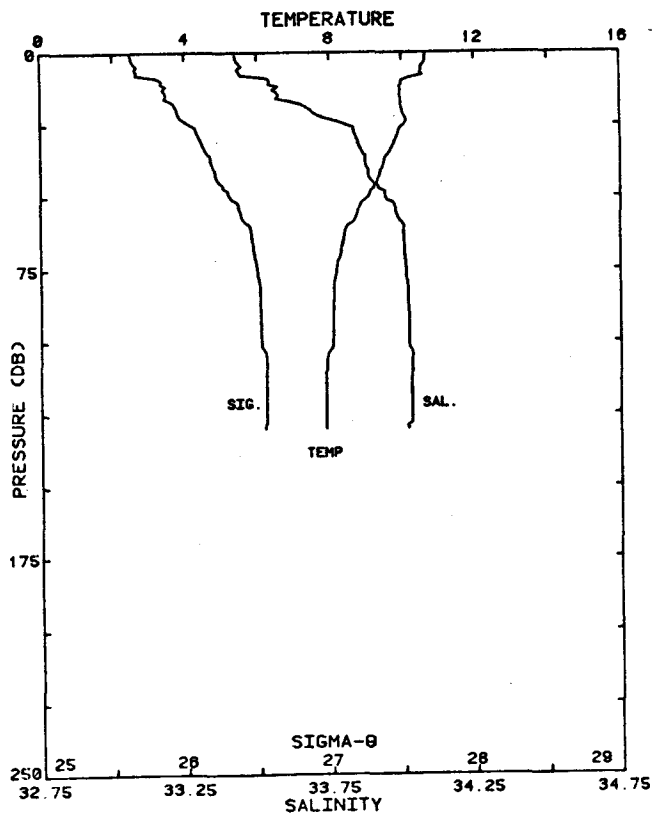
STATION 101 AR2

STA NO 101 ,AR2    LAT: 38 55.8 N    LONG:123 49.3 W  
 30 MAY 1982    1509 GMT    PROBE 2567    DEPTH 107M  
 7.8 KM FROM SHORE

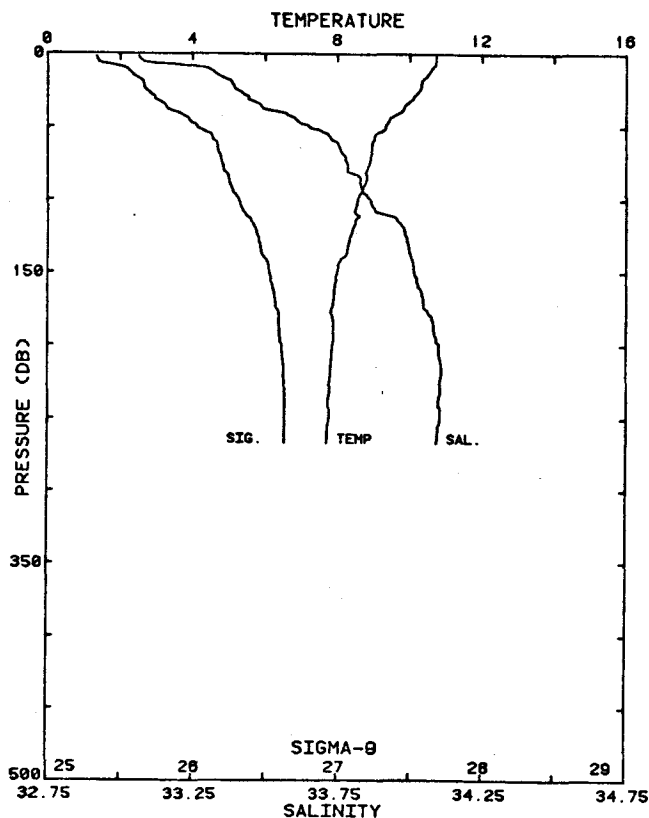
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.355	33.752	10.355	25.937	207.6	0.002
10	9.935	33.868	9.934	26.100	192.3	0.020
20	9.903	33.868	9.900	26.105	192.0	0.039
30	9.426	33.925	9.423	26.229	180.5	0.058
40	8.484	33.932	8.479	26.384	165.9	0.075
50	8.499	33.974	8.494	26.414	163.2	0.092
60	8.465	33.974	8.458	26.420	162.9	0.108
70	8.259	33.933	8.252	26.458	159.4	0.124
80	8.253	33.984	8.244	26.460	159.4	0.140
90	8.245	33.985	8.236	26.462	159.4	0.156
100	8.244	33.985	8.234	26.462	159.5	0.172
101	8.247	33.985	8.237	26.462	159.6	0.173

STA NO 102 ,AR3    LAT: 38 54.9 N    LONG:123 52.6 W  
 30 MAY 1982    1542 GMT    PROBE 2567    DEPTH 133M  
 13.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.664	33.424	10.664	25.628	236.9	0.002
10	9.961	33.543	9.960	25.842	216.8	0.023
20	10.000	33.685	9.998	25.946	207.2	0.045
30	9.812	33.843	9.808	26.101	192.6	0.065
40	9.433	33.877	9.429	26.190	184.3	0.083
50	9.048	33.941	9.042	26.303	173.8	0.101
60	8.467	34.006	8.461	26.444	160.6	0.118
70	8.273	34.007	8.266	26.475	157.8	0.134
80	8.084	34.015	8.076	26.510	154.6	0.150
90	8.059	34.019	8.050	26.517	154.2	0.165
100	8.044	34.019	8.034	26.519	154.1	0.180
110	7.858	34.029	7.847	26.554	150.9	0.196
120	7.850	34.029	7.839	26.556	151.0	0.211
130	7.851	34.016	7.838	26.546	152.1	0.226



STATION 102 AR3



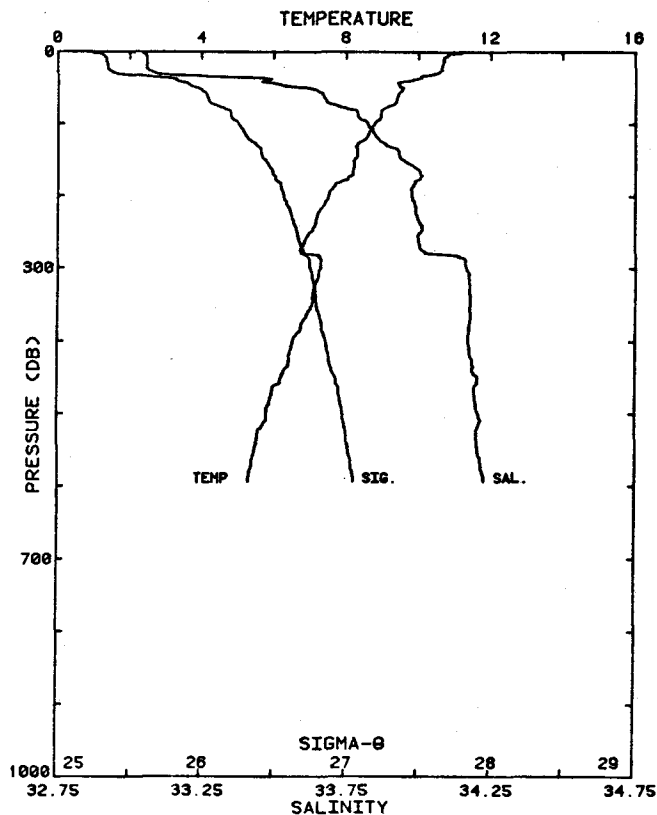
STATION 103 AR4

STA NO 103 ,AR4 LAT: 38 53.9 N LONG:123 55.8 W  
30 MAY 1982 1629 GNT PROBE 2567 DEPTH 272M  
17.9 KM FROM SHORE

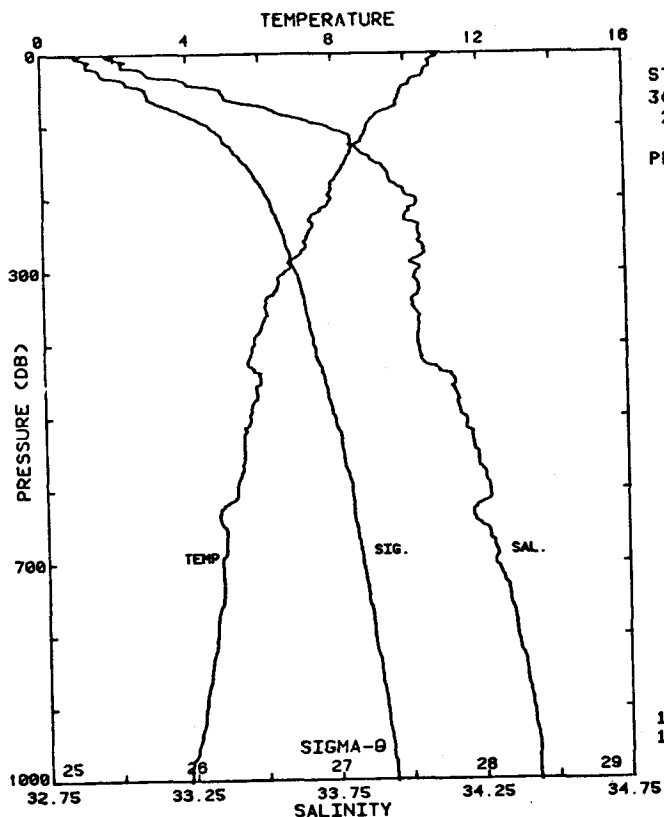
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.740	33.064	10.740	25.335	244.8	0.005
10	10.628	33.288	10.628	25.530	246.5	0.026
20	10.315	33.385	10.313	25.659	234.4	0.050
30	10.103	33.443	10.100	25.740	226.9	0.073
40	9.774	33.543	9.770	25.874	214.4	0.095
50	9.336	33.652	9.331	26.031	199.7	0.116
60	8.971	33.744	8.965	26.161	187.5	0.135
70	8.910	33.775	8.903	26.196	184.4	0.154
80	8.802	33.782	8.794	26.217	182.5	0.172
90	8.743	33.830	8.731	26.245	178.2	0.190
100	8.544	33.864	8.534	26.323	172.9	0.208
110	8.540	33.916	8.529	26.363	169.2	0.225
120	8.413	33.980	8.401	26.434	162.7	0.241
130	8.295	33.994	8.282	26.462	160.1	0.258
140	8.157	34.005	8.143	26.492	157.5	0.274
150	7.973	34.016	7.958	26.528	151.2	0.289
175	7.819	34.049	7.802	26.577	150.0	0.327
200	7.847	34.101	7.828	26.614	146.9	0.364
225	7.770	34.105	7.748	26.629	145.9	0.401
250	7.742	34.103	7.717	26.632	146.1	0.437
267	7.689	34.092	7.663	26.631	146.4	0.462

STA NO 104 ,AR5 LAT: 38 53.0 N LONG:123 59.0 W  
30 MAY 1982 1710 GNT PROBE 2567 DEPTH 608M  
23.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.185	33.049	11.185	25.245	273.4	0.005
10	10.692	33.059	10.691	25.340	261.5	0.027
20	10.649	33.058	10.647	25.347	264.1	0.053
30	10.508	33.088	10.505	25.395	259.8	0.080
40	9.783	33.481	9.779	25.824	219.2	0.103
50	9.563	33.598	9.557	25.952	207.2	0.125
60	9.411	33.667	9.404	26.030	199.9	0.145
70	9.363	33.680	9.355	26.048	198.4	0.165
80	9.019	33.752	9.010	26.160	188.0	0.184
90	8.940	33.789	8.931	26.202	184.2	0.203
100	8.769	33.822	8.759	26.255	179.4	0.221
110	8.655	33.839	8.643	26.286	176.6	0.239
120	8.539	33.858	8.527	26.319	173.6	0.256
130	8.283	33.887	8.270	26.380	167.9	0.273
140	8.298	33.931	8.284	26.412	165.1	0.290
150	8.200	33.946	8.185	26.439	162.7	0.306
175	8.037	34.005	8.019	26.510	156.4	0.346
200	7.501	33.977	7.482	26.567	151.2	0.384
225	7.210	33.991	7.189	26.619	146.5	0.422
250	6.985	34.007	6.962	26.663	142.7	0.458
300	7.282	34.165	7.254	26.747	135.8	0.527
400	6.518	34.172	6.482	26.858	126.3	0.659
500	5.804	34.208	5.762	26.978	115.6	0.780
594	5.319	34.227	5.270	27.053	109.1	0.885



STATION 104 AR5



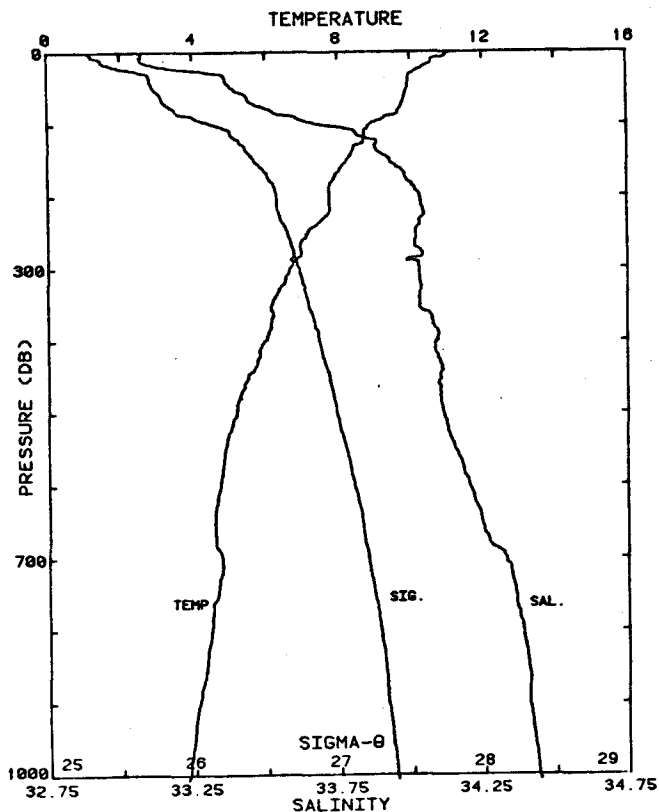
STA NO 105 ,AR6 LAT: 38 52.0 N LONG:124 2.3 W  
 30 MAY 1982 1759 GMT PROBE 2567 DEPTH 1418M  
 28.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.071	32.970	11.071	25.204	277.3	0.003
10	10.649	33.043	10.648	25.335	265.0	0.027
20	10.631	33.059	10.629	25.351	263.7	0.054
30	10.515	33.114	10.511	25.414	257.9	0.080
40	10.145	33.248	10.140	25.582	242.2	0.105
50	9.878	33.366	9.873	25.719	229.4	0.128
60	9.843	33.382	9.836	25.737	227.8	0.151
70	9.774	33.465	9.766	25.813	220.8	0.174
80	9.369	33.555	9.360	25.950	208.0	0.195
90	9.082	33.644	9.073	26.066	197.1	0.216
100	8.945	33.736	8.934	26.160	188.4	0.235
110	8.885	33.793	8.874	26.213	183.5	0.253
120	8.781	33.812	8.768	26.245	180.7	0.272
130	8.507	33.829	8.493	26.301	175.5	0.289
140	8.422	33.864	8.408	26.341	171.8	0.307
150	8.322	33.893	8.307	26.380	168.4	0.324
175	8.000	33.944	7.982	26.468	160.3	0.365
200	7.920	34.034	7.900	26.551	152.9	0.404
225	7.363	33.993	7.341	26.600	148.5	0.442
250	7.263	34.046	7.239	26.655	143.6	0.478
300	6.622	34.031	6.595	26.732	136.7	0.548
400	5.747	34.033	5.713	26.846	126.6	0.679
500	5.607	34.192	5.565	26.990	114.2	0.800
600	5.233	34.275	5.184	27.101	104.6	0.909
800	4.624	34.363	4.561	27.242	92.6	1.107
1000	3.839	34.436	3.764	27.383	79.6	1.278
1002	3.838	34.435	3.763	27.383	79.7	1.280

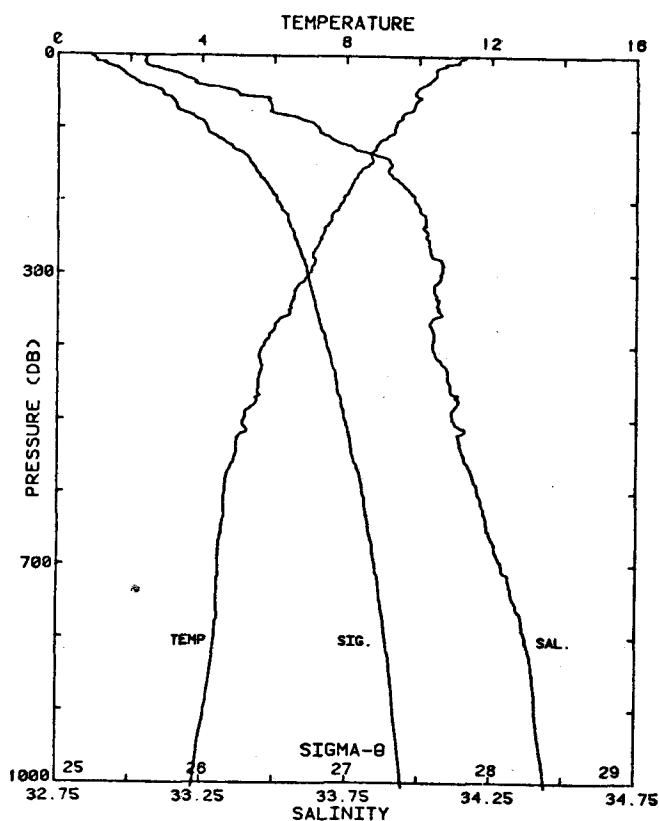
STATION 105 AR6

STA NO 106 ,AR7 LAT: 38 50.2 N LONG:124 8.1 W  
 30 MAY 1982 1921 GMT PROBE 2367 DEPTH 2207M  
 36.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.083	33.074	11.083	25.282	269.9	0.005
10	10.622	33.072	10.621	25.363	262.4	0.027
20	10.394	33.121	10.391	25.440	255.2	0.053
30	10.051	33.321	10.047	25.654	235.1	0.077
40	9.941	33.363	9.936	25.706	230.4	0.100
50	9.921	33.382	9.915	25.724	228.9	0.123
60	9.847	33.429	9.840	25.773	224.4	0.146
70	9.782	33.445	9.775	25.796	222.4	0.168
80	9.674	33.513	9.666	25.867	215.9	0.190
90	9.288	33.601	9.278	26.000	203.4	0.212
100	8.883	33.681	8.873	26.127	191.5	0.231
110	8.714	33.807	8.703	26.251	179.9	0.250
120	8.708	33.849	8.695	26.286	176.8	0.268
130	8.427	33.875	8.414	26.349	170.9	0.285
140	8.350	33.894	8.335	26.376	168.6	0.302
150	8.246	33.928	8.231	26.418	164.7	0.319
175	7.874	33.983	7.857	26.517	155.7	0.359
200	7.747	34.031	7.727	26.574	150.7	0.397
225	7.705	34.045	7.683	26.591	149.4	0.434
250	7.150	34.016	7.126	26.648	144.2	0.471
300	6.631	34.028	6.604	26.728	137.1	0.542
400	5.971	34.090	5.937	26.863	125.2	0.673
500	5.148	34.109	5.108	26.979	114.7	0.793
600	4.710	34.199	4.664	27.100	103.9	0.901
800	4.443	34.385	4.381	27.279	88.8	1.093
1000	3.828	34.439	3.754	27.387	79.2	1.261
1007	3.788	34.443	3.714	27.394	78.5	1.266



STATION 106 AR7

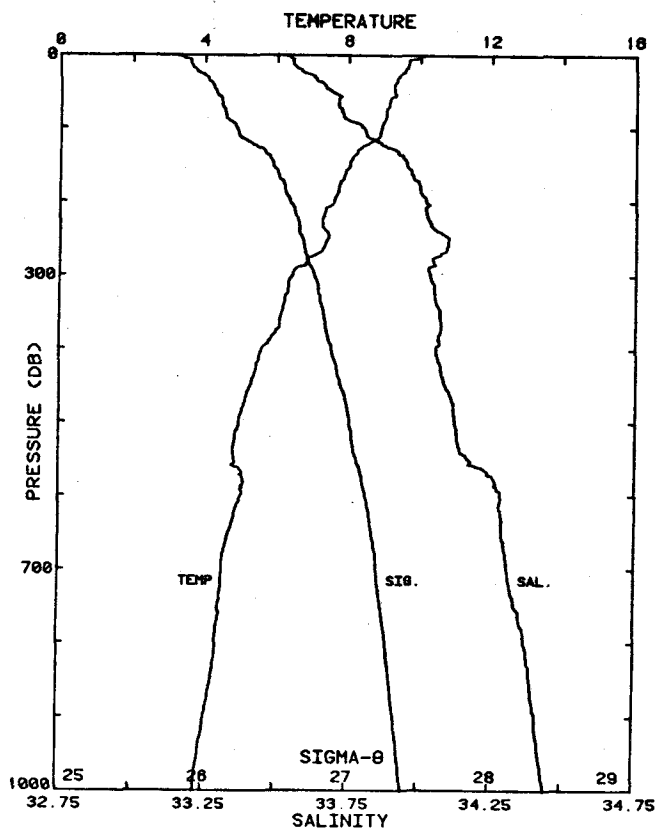


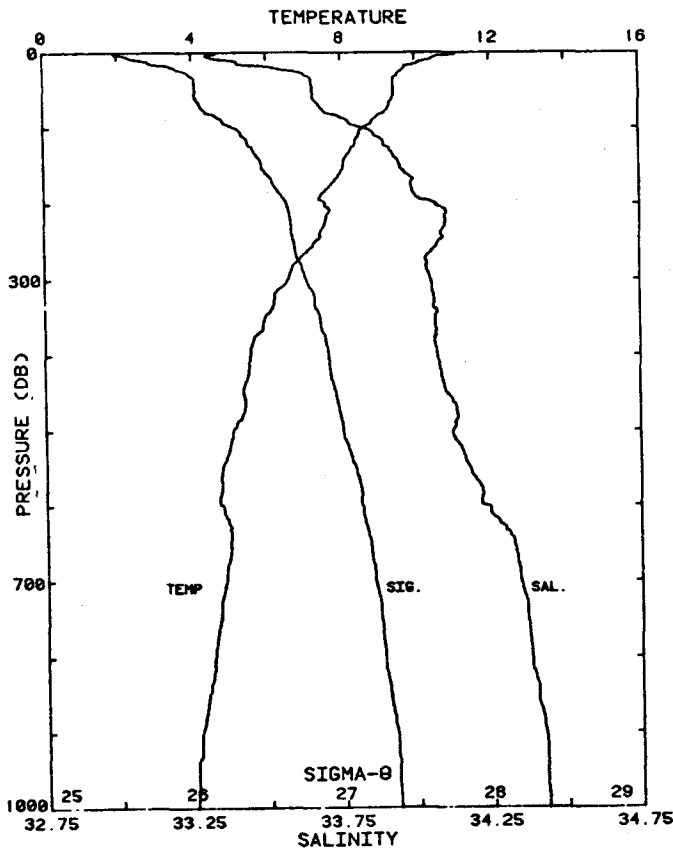
STA NO 107 ,ARB LAT: 38 48.0 N LONG:124 14.6 W  
30 MAY 1982 2043 GMT PROBE 2567 DEPTH 2991M  
47.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.252	33.065	11.251	25.245	273.4	0.003
10	11.064	33.047	11.064	25.265	271.7	0.027
20	10.457	33.116	10.455	25.425	256.6	0.054
30	10.405	33.188	10.402	25.490	250.7	0.079
40	10.151	33.227	10.146	25.564	243.9	0.104
50	9.886	33.369	9.880	25.720	229.3	0.127
60	10.003	33.479	9.996	25.786	223.3	0.150
70	9.850	33.487	9.843	25.818	220.4	0.172
80	9.548	33.512	9.540	25.887	213.9	0.194
90	9.386	33.618	9.376	25.997	203.7	0.215
100	9.318	33.652	9.308	26.035	200.4	0.235
110	9.144	33.682	9.132	26.086	195.6	0.255
120	8.871	33.723	8.858	26.162	188.6	0.274
130	8.758	33.783	8.745	26.227	182.6	0.293
140	8.673	33.883	8.658	26.318	174.2	0.310
150	8.603	33.905	8.587	26.346	171.6	0.328
175	8.155	33.938	8.137	26.440	163.1	0.370
200	7.887	33.986	7.867	26.518	156.0	0.409
225	7.569	34.024	7.547	26.594	149.1	0.447
250	7.272	34.022	7.249	26.635	145.5	0.484
300	6.892	34.073	6.864	26.728	137.2	0.555
400	5.694	34.048	5.662	26.864	124.9	0.686
500	5.136	34.114	5.096	26.984	114.2	0.805
600	4.641	34.205	4.595	27.112	102.6	0.914
800	4.386	34.372	4.324	27.274	89.1	1.105
1000	3.804	34.442	3.730	27.391	78.8	1.272
1006	3.780	34.444	3.705	27.396	78.4	1.277

STA NO 108 ,IR8 LAT: 39 3.0 N LONG:124 16.9 W  
30 MAY 1982 2259 GMT PROBE 2567 DEPTH 2342M  
50.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.088	33.532	10.088	25.812	219.5	0.002
10	9.666	33.554	9.665	25.899	211.4	0.021
20	9.563	33.582	9.561	25.938	207.9	0.042
30	9.356	33.625	9.352	26.006	201.6	0.063
40	9.247	33.659	9.243	26.050	197.6	0.083
50	9.247	33.687	9.242	26.073	195.7	0.103
60	9.130	33.713	9.123	26.111	192.2	0.122
70	9.091	33.712	9.083	26.117	191.9	0.141
80	9.018	33.727	9.009	26.141	189.8	0.160
90	8.970	33.750	8.961	26.166	187.6	0.179
100	8.891	33.801	8.880	26.219	182.8	0.198
110	8.851	33.811	8.839	26.234	181.6	0.216
120	8.548	33.861	8.535	26.320	173.6	0.234
130	8.234	33.914	8.221	26.409	165.1	0.251
140	8.083	33.939	8.069	26.451	161.3	0.267
150	8.018	33.952	8.003	26.472	159.6	0.283
175	7.739	33.995	7.722	26.546	152.9	0.322
200	7.576	34.022	7.557	26.591	148.9	0.360
225	7.240	34.028	7.219	26.644	144.2	0.397
250	7.421	34.101	7.397	26.677	141.7	0.432
300	6.433	34.036	6.406	26.760	133.9	0.502
400	5.595	34.060	5.562	26.886	122.7	0.630
500	4.980	34.125	4.940	27.011	111.5	0.747
600	5.056	34.286	5.008	27.130	101.6	0.854
800	4.368	34.371	4.307	27.275	89.0	1.043
1000	3.782	34.447	3.708	27.398	78.1	1.210
1001	3.778	34.446	3.704	27.398	78.1	1.211





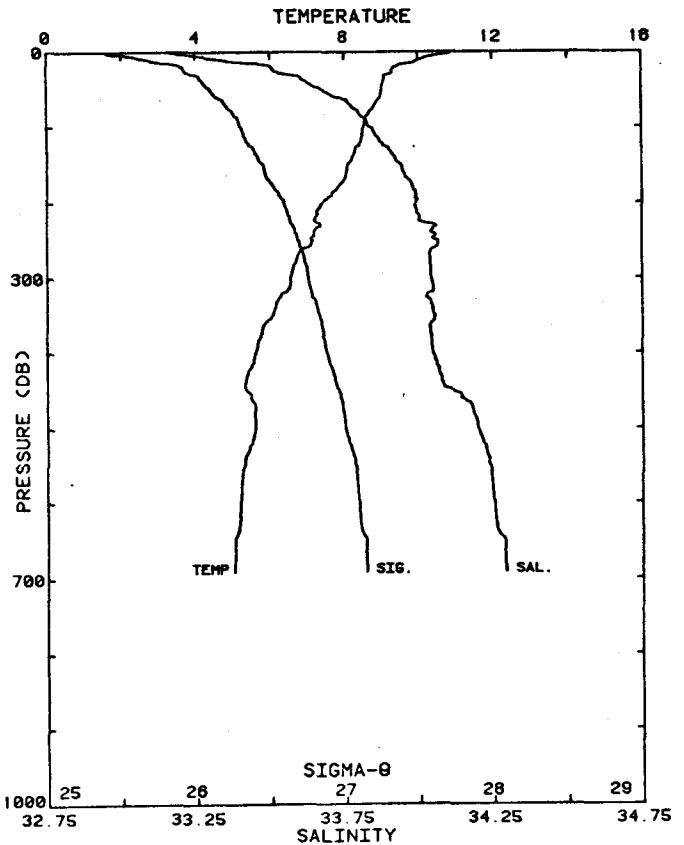
STA NO 109 ,IR7 LAT: 39 3.0 N LONG:124 9.9 W  
 31 MAY 1982 0021 GMT PROBE 2567 DEPTH 1092M  
 41.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.076	33.328	11.076	25.481	251.0	0.003
10	10.385	33.359	10.384	25.626	237.3	0.025
20	9.723	33.523	9.721	25.866	214.7	0.047
30	9.521	33.628	9.517	25.982	203.9	0.068
40	9.413	33.651	9.409	26.017	200.8	0.088
50	9.416	33.655	9.410	26.020	200.7	0.108
60	9.403	33.658	9.396	26.025	200.5	0.128
70	9.311	33.676	9.303	26.054	197.9	0.148
80	9.182	33.697	9.173	26.091	194.6	0.168
90	8.861	33.771	8.851	26.200	184.4	0.187
100	8.619	33.823	8.609	26.278	177.1	0.205
110	8.484	33.863	8.473	26.331	172.3	0.222
120	8.372	33.893	8.360	26.371	168.6	0.239
130	8.247	33.914	8.234	26.407	165.1	0.256
140	8.103	33.931	8.089	26.442	162.2	0.272
150	8.048	33.947	8.033	26.463	160.4	0.289
175	7.714	33.982	7.697	26.540	153.4	0.328
200	7.555	34.065	7.536	26.629	145.4	0.365
225	7.534	34.096	7.512	26.656	143.3	0.401
250	7.285	34.074	7.262	26.674	141.8	0.437
300	6.522	34.048	6.495	26.758	134.2	0.506
400	5.502	34.066	5.469	26.902	121.1	0.633
500	5.036	34.117	4.997	26.998	112.8	0.750
600	4.749	34.228	4.702	27.119	102.2	0.856
800	4.498	34.378	4.436	27.267	90.0	1.047
1000	3.982	34.432	3.906	27.366	81.6	1.216
1001	3.980	34.432	3.904	27.366	81.6	1.217

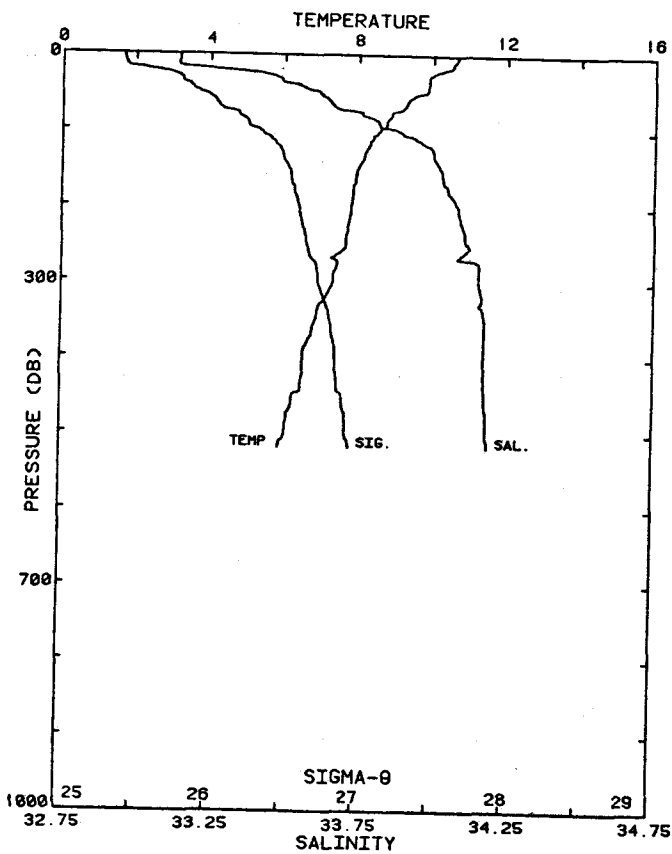
STATION 109 IR7

STA NO 110 ,IR6 LAT: 39 3.1 N LONG:124 4.0 W  
 31 MAY 1982 0139 GMT PROBE 2567 DEPTH 717M  
 32.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.851	33.179	10.851	25.405	258.2	0.003
10	10.112	33.315	10.111	25.639	236.1	0.025
20	9.397	33.501	9.395	25.903	211.2	0.047
30	9.266	33.547	9.263	25.960	206.0	0.068
40	9.069	33.621	9.064	26.049	197.7	0.088
50	9.016	33.668	9.011	26.095	193.6	0.108
60	8.987	33.711	8.980	26.133	190.1	0.127
70	8.847	33.767	8.840	26.199	184.1	0.145
80	8.691	33.799	8.683	26.249	179.5	0.164
90	8.565	33.822	8.556	26.286	176.2	0.182
100	8.528	33.836	8.517	26.303	174.7	0.199
110	8.488	33.856	8.477	26.325	172.9	0.216
120	8.446	33.871	8.434	26.343	171.3	0.234
130	8.299	33.901	8.286	26.389	167.1	0.251
140	8.213	33.920	8.199	26.417	164.6	0.267
150	8.092	33.939	8.077	26.450	161.6	0.284
175	7.914	33.976	7.897	26.506	156.7	0.323
200	7.397	33.990	7.378	26.592	148.8	0.362
225	7.177	34.003	7.156	26.633	145.2	0.398
250	7.102	34.054	7.079	26.684	140.8	0.434
300	6.524	34.041	6.497	26.752	134.7	0.503
400	5.593	34.046	5.560	26.875	123.7	0.631
500	5.564	34.198	5.522	27.000	113.3	0.749
600	5.160	34.254	5.111	27.093	105.2	0.857
691	5.004	34.291	4.948	27.141	101.5	0.951



STATION 110 IR6



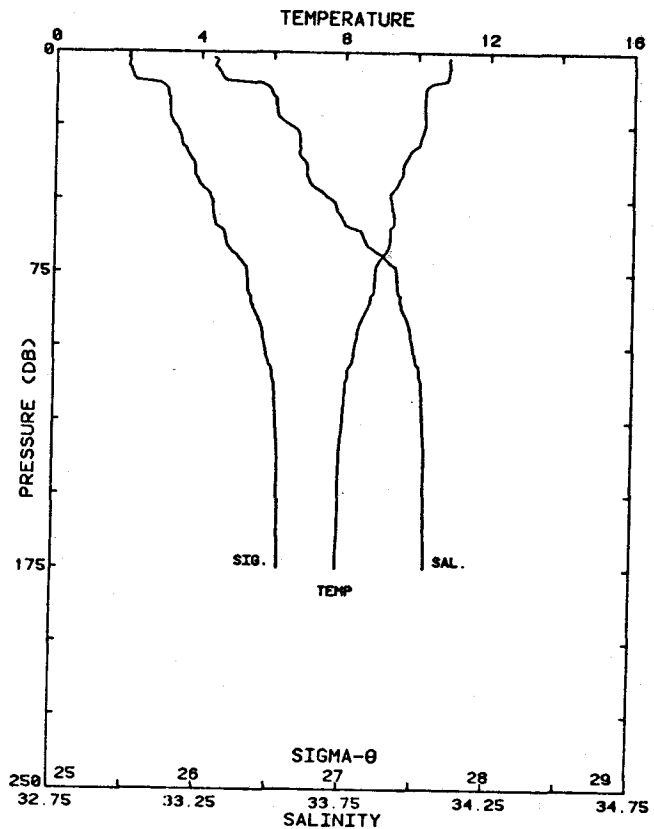
STA NO 111 ,IR5 LAT: 39 3.0 N LONG:123 59.9 W  
 31 MAY 1982 0240 GNT PROBE 2567 DEPTH 531M  
 26.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.654	33.146	10.654	25.414	257.3	0.003
10	10.561	33.145	10.560	25.430	256.0	0.026
20	10.254	33.272	10.252	25.581	241.8	0.051
30	9.879	33.477	9.875	25.805	220.8	0.074
40	9.853	33.544	9.848	25.861	215.6	0.096
50	9.766	33.618	9.760	25.934	209.0	0.117
60	9.309	33.649	9.303	26.033	199.7	0.137
70	9.184	33.674	9.174	26.073	196.1	0.157
80	8.863	33.766	8.855	26.195	184.6	0.176
90	8.739	33.817	8.729	26.255	179.1	0.194
100	8.558	33.886	8.547	26.337	171.5	0.212
110	8.374	33.942	8.363	26.410	164.8	0.229
120	8.264	33.990	8.252	26.464	159.8	0.245
130	8.160	34.003	8.147	26.490	157.5	0.261
140	8.089	34.011	8.075	26.506	156.1	0.276
150	7.981	34.026	7.966	26.535	153.6	0.292
175	7.872	34.052	7.855	26.572	150.5	0.330
200	7.821	34.088	7.802	26.608	147.5	0.367
225	7.752	34.100	7.730	26.628	146.0	0.404
250	7.671	34.120	7.647	26.655	143.9	0.440
300	7.335	34.159	7.306	26.735	137.0	0.510
400	6.566	34.180	6.530	26.857	126.1	0.640
500	6.072	34.188	6.029	26.929	120.6	0.764
519	5.917	34.194	5.872	26.954	118.3	0.787

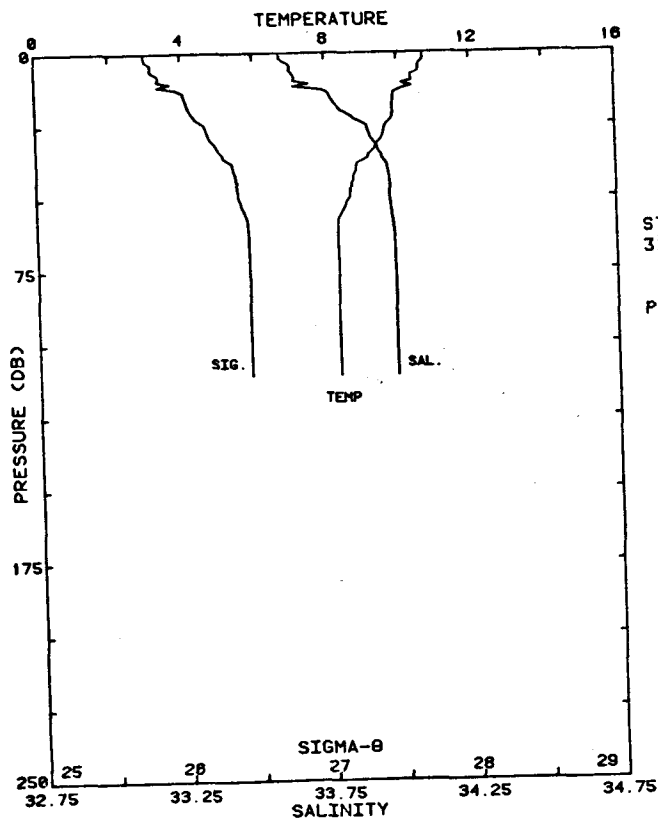
STATION 111 IR5

STA NO 112 ,TR4 LAT: 39 3.0 N LONG:123 56.5 W  
 31 MAY 1982 0332 GMT PROBE 2567 DEPTH 165M  
 21.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.864	33.293	10.864	25.492	249.9	0.005
10	10.756	33.336	10.755	25.544	245.1	0.025
20	10.175	33.511	10.173	25.781	222.8	0.047
30	10.057	33.591	10.054	25.863	215.2	0.069
40	9.591	33.617	9.586	25.962	206.1	0.090
50	9.277	33.704	9.272	26.081	194.9	0.111
60	9.243	33.774	9.236	26.141	189.4	0.130
70	9.008	33.888	9.001	26.268	177.6	0.148
80	8.827	33.934	8.819	26.333	171.6	0.166
90	8.520	33.965	8.511	26.405	164.9	0.183
100	8.316	33.990	8.306	26.455	160.2	0.199
110	8.107	34.011	8.096	26.504	155.8	0.215
120	8.010	34.022	7.998	26.527	153.7	0.230
130	7.950	34.028	7.937	26.541	152.6	0.245
140	7.900	34.033	7.886	26.552	151.7	0.260
150	7.892	34.033	7.877	26.553	151.8	0.276
175	7.857	34.038	7.840	26.563	151.3	0.314



STATION 112 TR4



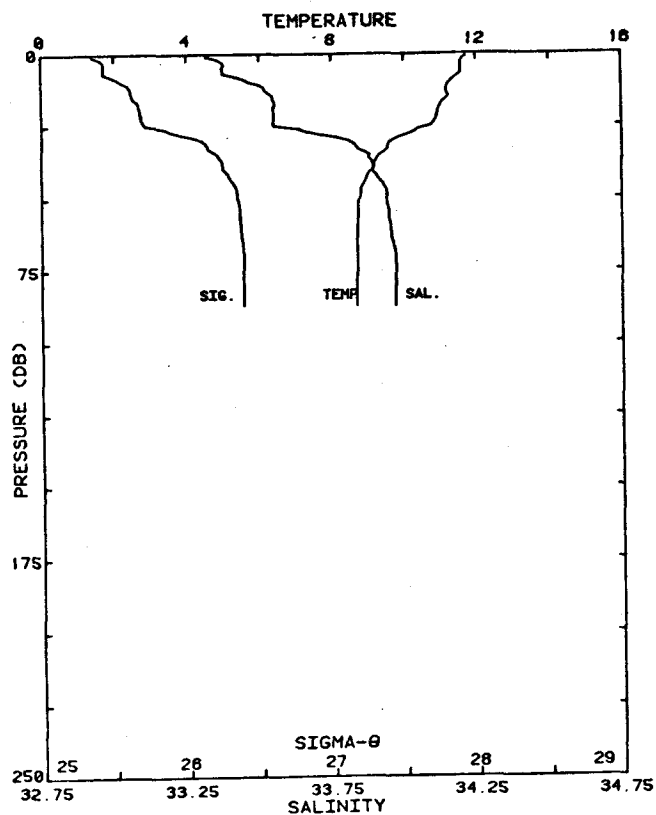
STATION 113 IR3

STA NO 113 ,IR3    LAT: 39 3.0 N    LONG:123 53.0 W  
 31 MAY 1982    0404 GMT    PROBE 2567    DEPTH 114M  
 16.8 KM FROM SHORE

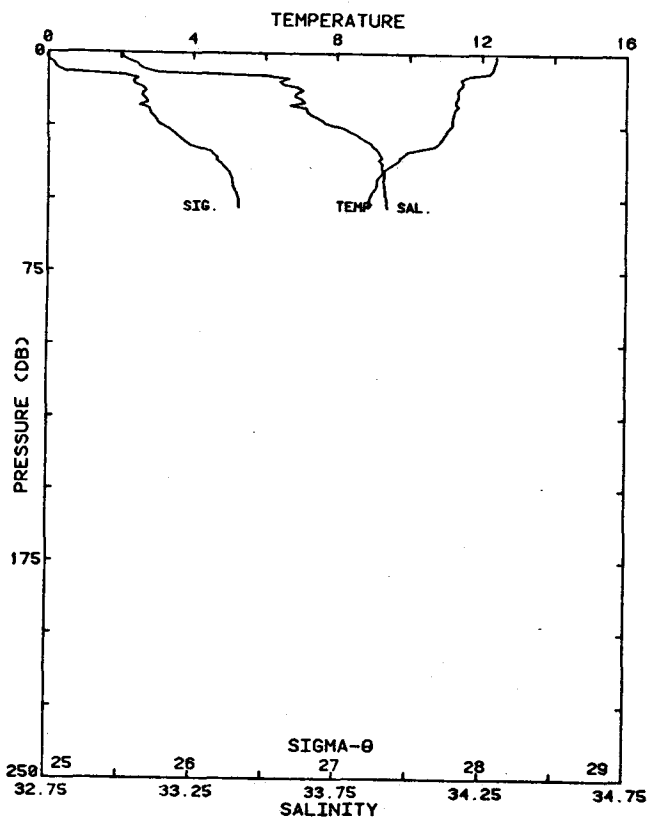
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.711	33.592	10.711	25.751	225.3	0.002
10	10.432	33.642	10.431	25.838	217.2	0.022
20	9.866	33.803	9.864	26.060	196.3	0.042
30	9.513	33.912	9.509	26.204	182.8	0.061
40	8.826	33.963	8.822	26.355	168.7	0.079
50	8.635	33.970	8.629	26.390	165.5	0.095
60	8.296	33.981	8.290	26.451	159.9	0.112
70	8.284	33.983	8.277	26.454	159.8	0.128
80	8.275	33.983	8.267	26.456	159.8	0.144
90	8.271	33.984	8.262	26.458	159.8	0.160
100	8.278	33.983	8.267	26.456	160.1	0.176
110	8.277	33.983	8.266	26.456	160.1	0.192
111	8.276	33.983	8.265	26.457	160.3	0.193

STA NO 114 ,IR2    LAT: 39 3.0 N    LONG:123 48.5 W  
 31 MAY 1982    0442 GMT    PROBE 2567    DEPTH 91M  
 8.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.716	33.318	11.716	25.356	262.8	0.003
10	11.280	33.465	11.279	25.550	244.6	0.026
20	10.921	33.547	10.919	25.679	232.5	0.049
30	9.624	33.807	9.620	26.104	192.3	0.071
40	9.140	33.889	9.136	26.247	179.0	0.090
50	8.756	33.937	8.751	26.346	169.7	0.107
60	8.681	33.951	8.675	26.369	167.8	0.124
70	8.665	33.966	8.658	26.383	166.6	0.141
80	8.652	33.967	8.644	26.385	166.6	0.157
87	8.650	33.966	8.641	26.385	166.7	0.169



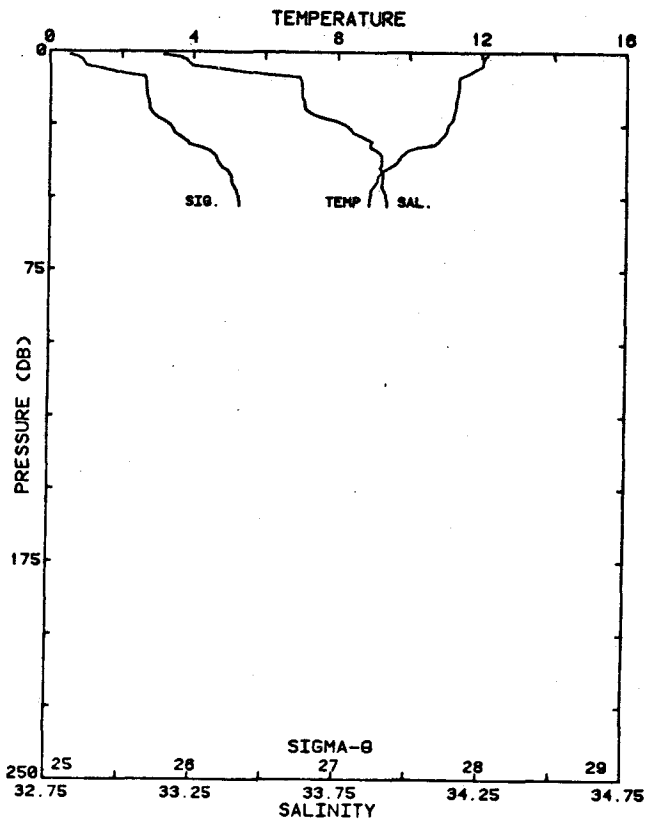
STATION 114 IR2



STATION 115 IRI

STA NO 115 ,IR1 LAT: 39 3.0 N LONG:123 44.5 W  
 31 MAY 1982 0518 GMT PROBE 2567 DEPTH 59M  
 4.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	12.372	33.006	12.372	24.991	297.5	0.003
10	11.460	33.549	11.458	25.583	241.4	0.028
20	11.221	33.647	11.218	25.703	230.3	0.052
30	10.832	33.844	10.829	25.926	209.4	0.074
40	9.330	33.903	9.326	26.228	180.8	0.093
50	8.872	33.921	8.867	26.315	172.7	0.110
53	8.861	33.923	8.855	26.318	172.4	0.116

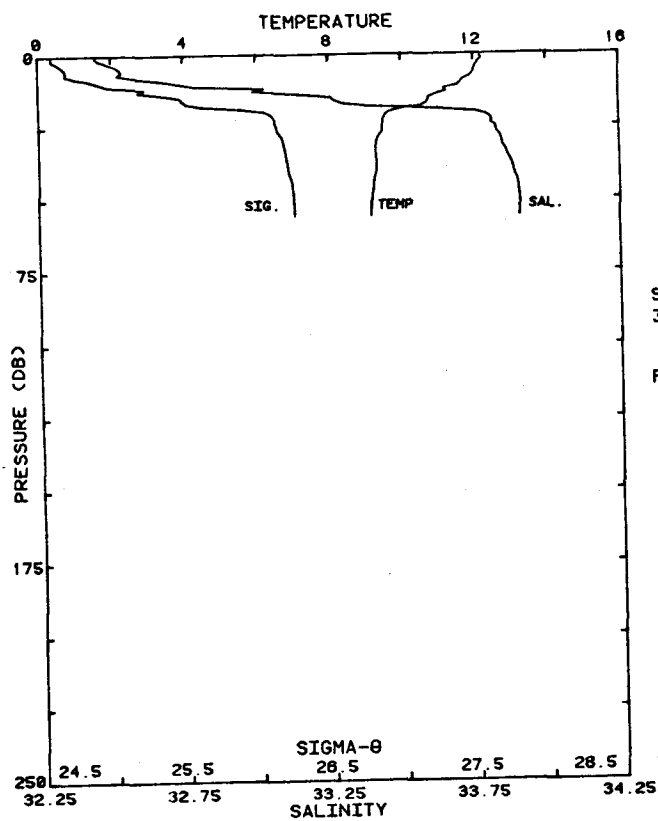


STATION 116 IRI

STA NO 116 ,IR1 LAT: 39 3.0 N LONG:123 44.5 W  
 31 MAY 1982 0530 GMT PROBE 2567 DEPTH 59M  
 4.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	12.155	33.144	12.155	25.139	283.4	0.003
10	11.339	33.620	11.337	25.661	234.1	0.026
20	11.236	33.635	11.234	25.691	231.4	0.050
30	10.837	33.844	10.833	25.925	209.4	0.072
40	9.440	33.895	9.435	26.204	183.1	0.091
50	8.875	33.914	8.869	26.309	173.3	0.109
53	8.849	33.918	8.844	26.316	172.6	0.114





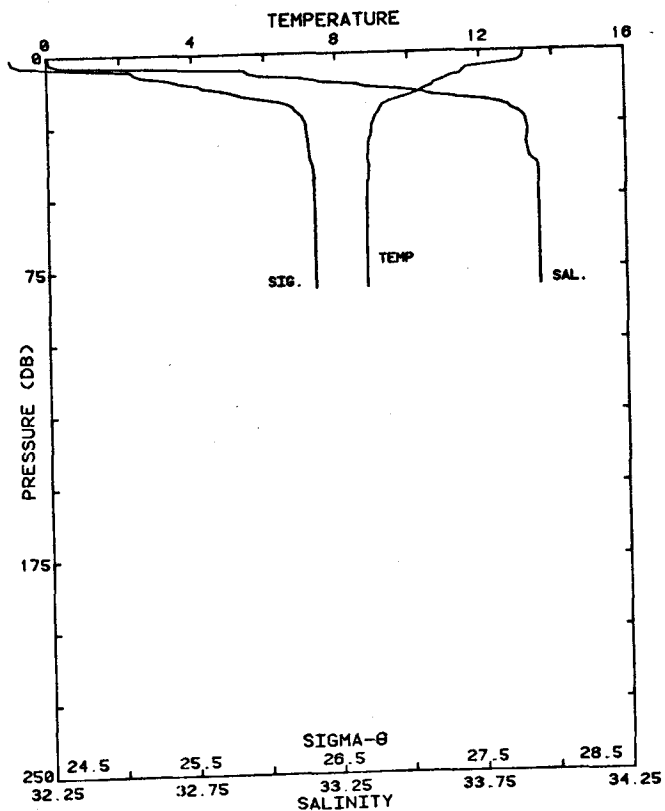
STATION 117 COA1

STA NO 117 ,COA1 LAT: 38 38.6 N LONG:123 24.8 W  
31 MAY 1982 2208 GMT PROBE 2567 DEPTH 60M  
1.1 KM FROM SHORE

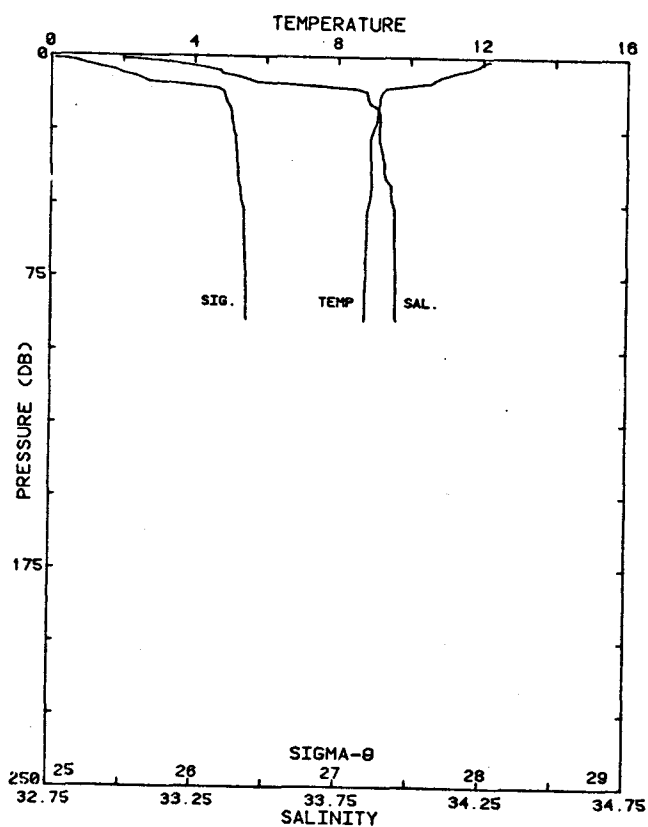
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.194	32.446	12.194	24.592	335.5	0.003
10	11.644	32.736	11.643	24.919	304.6	0.033
20	9.663	33.761	9.661	26.062	196.1	0.058
30	9.319	33.847	9.315	26.185	184.6	0.077
40	9.303	33.887	9.299	26.219	181.6	0.095
50	9.174	33.906	9.168	26.255	178.1	0.113
56	9.153	33.906	9.147	26.259	178.2	0.124

STA NO 118 ,COA2 LAT: 38 37.2 N LONG:123 26.7 W  
31 MAY 1982 2244 GMT PROBE 2567 DEPTH 83M  
4.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.216	32.256	13.216	24.248	368.4	0.004
10	10.960	33.195	10.959	25.399	259.0	0.032
20	9.198	33.859	9.195	26.214	181.6	0.054
30	8.900	33.911	8.897	26.302	173.5	0.071
40	8.881	33.947	8.877	26.333	170.7	0.089
50	8.832	33.949	8.827	26.343	170.0	0.106
60	8.821	33.950	8.815	26.346	170.0	0.123
70	8.814	33.950	8.807	26.347	170.0	0.140
80	8.814	33.950	8.806	26.347	170.2	0.157
81	8.814	33.950	8.806	26.347	170.2	0.158



STATION 118 COA2



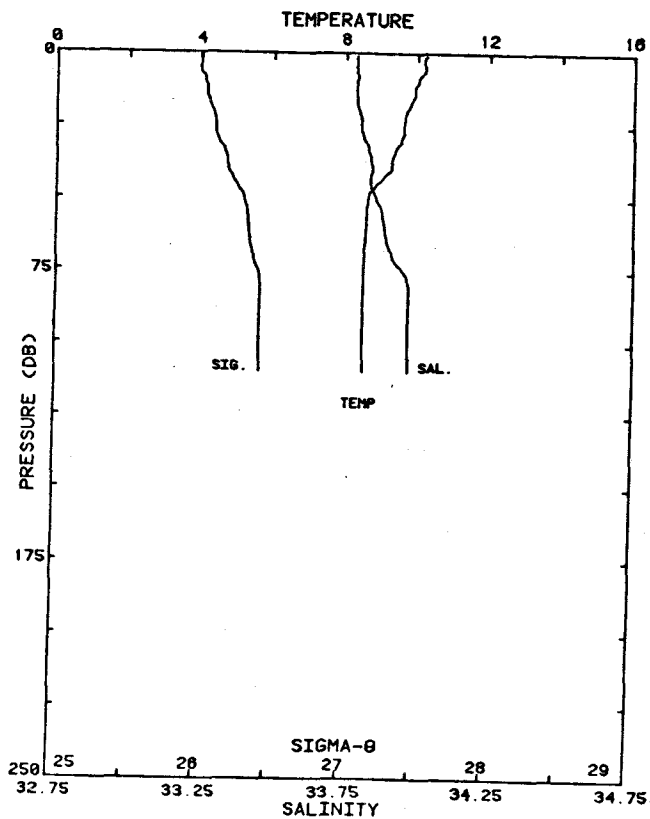
STATION 119 COA3

STA NO 119 ,COA3 LAT: 38 36.5 N LONG:123 27.9 W  
31 MAY 1982 2311 GNT PROBE 2567 DEPTH 96M  
6.7 KM FROM SHORE

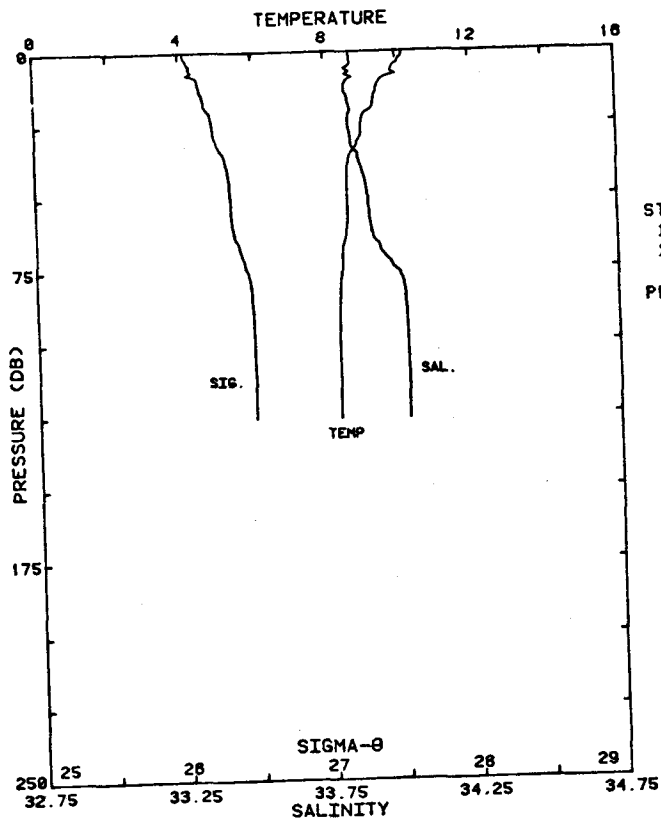
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.179	33.006	12.178	25.028	294.0	0.003
10	9.851	33.672	9.850	25.961	205.5	0.026
20	9.070	33.894	9.068	26.262	177.1	0.044
30	8.892	33.897	8.889	26.293	174.4	0.041
40	8.896	33.910	8.892	26.302	173.7	0.079
50	8.843	33.939	8.838	26.333	170.9	0.096
60	8.786	33.945	8.780	26.347	169.8	0.113
70	8.755	33.947	8.748	26.354	169.4	0.130
80	8.728	33.948	8.719	26.359	169.1	0.147
90	8.718	33.950	8.709	26.362	169.0	0.164

STA NO 120 ,COA4 LAT: 38 35.0 N LONG:123 29.8 W  
31 MAY 1982 2342 GHT PROBE 2567 DEPTH 114M  
10.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.232	33.789	10.231	25.987	202.8	0.002
10	10.006	33.786	10.005	26.024	199.5	0.020
20	9.706	33.798	9.703	26.084	194.1	0.040
30	9.567	33.816	9.564	26.120	190.8	0.059
40	9.277	33.843	9.273	26.189	184.5	0.078
50	8.638	33.858	8.633	26.302	173.9	0.096
60	8.581	33.886	8.574	26.333	171.1	0.113
70	8.517	33.912	8.510	26.364	168.4	0.130
80	8.501	33.971	8.493	26.413	163.9	0.146
90	8.503	33.972	8.494	26.413	161.1	0.163
100	8.503	33.972	8.492	26.413	164.3	0.179
110	8.503	33.972	8.491	26.413	164.5	0.196



STATION 120 COA4



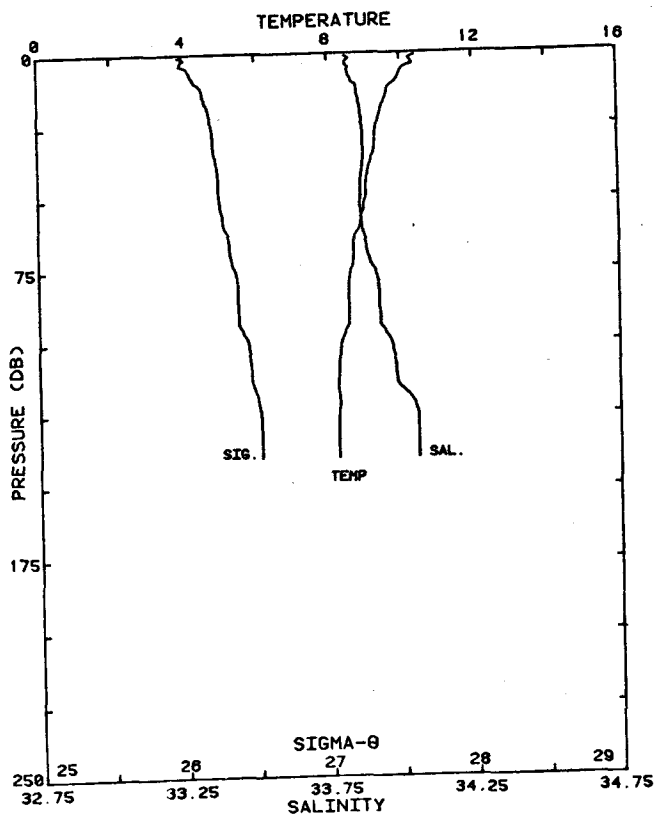
STATION 121 COA5

STA NO 121 ,COA5 LAT: 38 33.6 N LONG:123 31.8 W  
 1 JUN 1982 0015 GHT PROBE 2567 DEPTH 136M  
 14.6 KM FROM SHORE

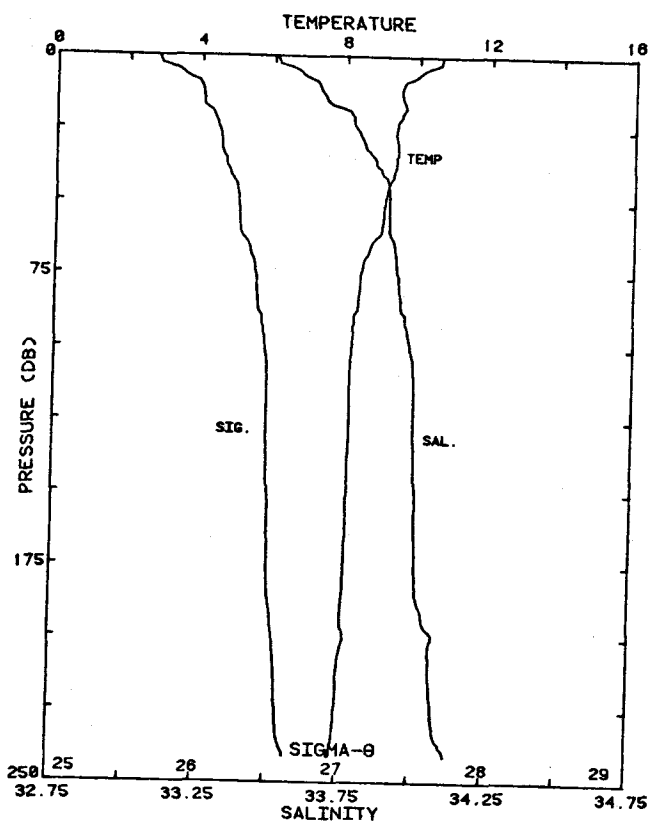
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.188	33.829	10.188	26.034	198.4	0.002
10	9.558	33.828	9.557	26.131	189.4	0.020
20	9.252	33.838	9.250	26.189	184.0	0.038
30	8.934	33.837	8.931	26.239	179.5	0.054
40	8.589	33.874	8.585	26.322	171.8	0.074
50	8.574	33.894	8.571	26.340	170.3	0.091
60	8.554	33.902	8.548	26.349	169.6	0.108
70	8.398	33.948	8.391	26.410	164.0	0.125
80	8.349	34.013	8.341	26.468	158.7	0.141
90	8.298	34.020	8.289	26.482	157.5	0.157
100	8.283	34.021	8.273	26.485	157.4	0.172
110	8.279	34.022	8.268	26.486	157.5	0.188
120	8.279	34.023	8.267	26.487	157.6	0.204
126	8.279	34.023	8.267	26.487	157.7	0.213

STA NO 122 ,COA6 LAT: 38 32.3 N LONG:123 34.0 W  
 1 JUN 1982 0058 GHT PROBE 2567 DEPTH 148M  
 18.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.422	33.812	10.422	25.973	204.2	0.002
10	9.863	33.833	9.862	26.085	193.9	0.020
20	9.437	33.862	9.435	26.178	185.1	0.039
30	9.289	33.871	9.286	26.209	182.4	0.057
40	9.099	33.866	9.094	26.236	180.0	0.075
50	9.012	33.859	9.007	26.244	179.4	0.093
60	8.842	33.865	8.835	26.276	176.6	0.111
70	8.672	33.885	8.665	26.318	172.7	0.128
80	8.532	33.920	8.523	26.368	168.2	0.145
90	8.530	33.925	8.521	26.372	168.0	0.162
100	8.319	33.962	8.308	26.434	162.3	0.179
110	8.250	33.979	8.238	26.458	160.2	0.195
120	8.261	34.035	8.249	26.500	156.4	0.211
130	8.212	34.053	8.199	26.521	154.5	0.226
140	8.210	34.053	8.196	26.521	154.7	0.242



STATION 122 COA6



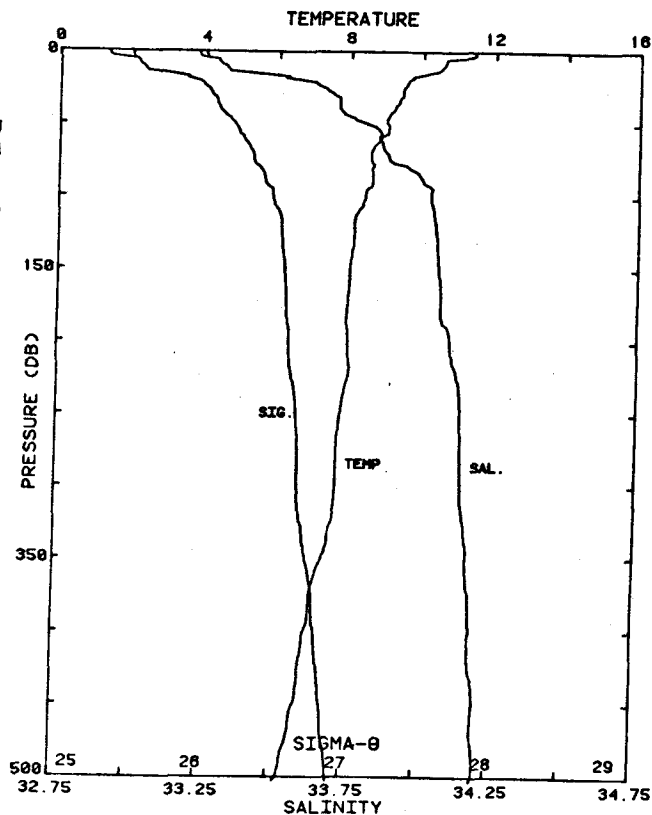
STATION 123 COA7

STA NO 123 ,COA7 LAT: 38 30.0 N LONG:123 37.1 W  
 1 JUN 1982 0150 GMT PROBE 2567 DEPTH 250M  
 25.0 KM FROM SHORE

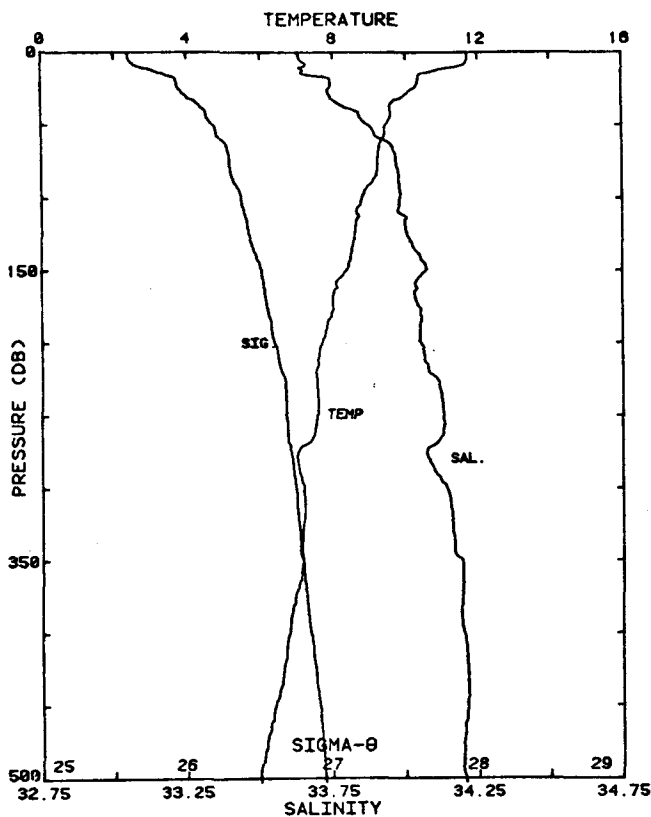
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.622	33.510	10.622	25.702	229.9	0.002
10	9.560	33.454	9.559	25.995	202.3	0.022
20	9.537	33.769	9.535	26.089	193.6	0.042
30	9.431	33.815	9.428	26.142	188.7	0.061
40	9.337	33.876	9.333	26.205	182.9	0.079
50	9.098	33.902	9.093	26.264	177.5	0.097
60	9.012	33.903	9.006	26.279	176.3	0.115
70	8.539	33.930	8.532	26.375	167.4	0.132
80	8.437	33.940	8.429	26.398	165.3	0.149
90	8.292	33.963	8.283	26.438	161.7	0.165
100	8.236	33.980	8.226	26.460	159.8	0.181
110	8.198	33.995	8.187	26.477	158.3	0.197
120	8.200	33.997	8.188	26.479	158.3	0.213
130	8.201	33.998	8.188	26.480	158.5	0.229
140	8.182	34.002	8.168	26.486	158.1	0.245
150	8.168	34.007	8.153	26.492	157.7	0.260
175	8.131	34.011	8.114	26.501	157.2	0.300
200	8.151	34.074	8.131	26.548	153.3	0.339
225	7.957	34.080	7.934	26.582	150.5	0.377
241	7.810	34.127	7.786	26.640	145.2	0.401

STA NO 124 ,COA8 LAT: 38 26.7 N LONG:123 41.1 W  
 1 JUN 1982 0247 GMT PROBE 2567 DEPTH 744M  
 33.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.422	33.227	11.421	25.340	264.3	0.003
10	10.577	33.311	10.575	25.556	244.0	0.025
20	9.612	33.570	9.609	25.922	209.5	0.048
30	9.453	33.692	9.450	26.043	198.2	0.069
40	9.214	33.717	9.209	26.101	192.8	0.088
50	9.024	33.809	9.018	26.203	183.3	0.107
60	8.842	33.849	8.836	26.263	177.8	0.125
70	8.572	33.876	8.565	26.327	171.9	0.143
80	8.622	33.955	8.614	26.381	166.9	0.160
90	8.638	34.007	8.628	26.419	163.5	0.176
100	8.433	34.033	8.423	26.472	158.7	0.192
110	8.227	34.043	8.216	26.511	155.2	0.208
120	8.134	34.050	8.122	26.530	153.5	0.223
130	8.116	34.057	8.103	26.539	152.9	0.239
140	8.069	34.059	8.055	26.548	152.2	0.254
150	8.021	34.064	8.006	26.558	151.4	0.269
175	7.973	34.071	7.956	26.571	150.6	0.307
200	8.001	34.105	7.981	26.594	148.9	0.344
225	7.994	34.126	7.972	26.613	147.6	0.381
250	7.803	34.141	7.779	26.653	144.1	0.418
300	7.723	34.149	7.694	26.671	143.2	0.489
400	6.963	34.194	6.926	26.815	130.7	0.627
500	6.296	34.211	6.251	26.918	121.8	0.754
503	6.223	34.204	6.178	26.923	121.4	0.757



STATION 124 COA8



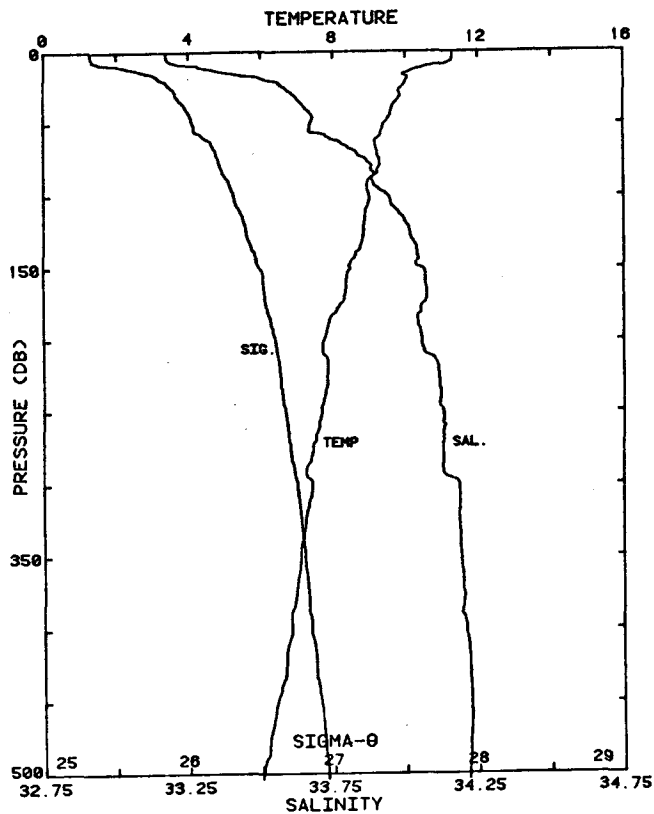
STATION 125 COA9

STA NO 125 ,COA9 LAT: 38 22.5 N LONG:123 47.5 W  
 1 JUN 1982 0350 GNT PROBE 2567 DEPTH 1677M  
 45.5 KM FROM SHORE

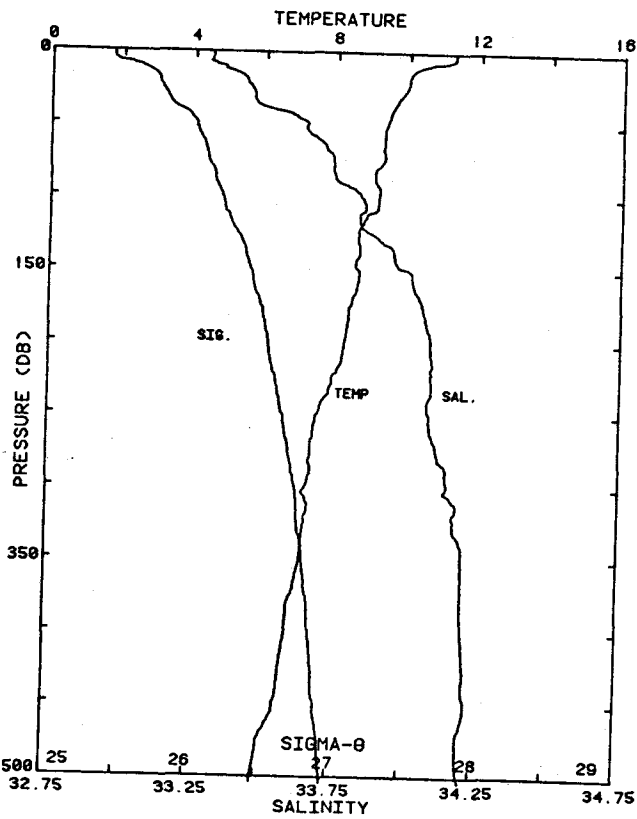
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.716	33.629	11.716	25.598	239.8	0.002
10	11.444	33.655	11.443	25.669	233.3	0.024
20	10.340	33.743	10.338	25.933	208.4	0.046
30	9.948	33.742	9.944	25.999	202.3	0.066
40	9.577	33.828	9.573	26.129	190.2	0.086
50	9.463	33.872	9.457	26.182	185.4	0.105
60	9.364	33.921	9.358	26.236	180.4	0.123
70	9.244	33.965	9.236	26.290	175.3	0.141
80	9.227	33.973	9.218	26.300	174.8	0.158
90	9.081	33.979	9.071	26.328	172.3	0.176
100	8.801	33.981	8.791	26.374	168.1	0.193
110	8.652	33.975	8.640	26.393	166.4	0.209
120	8.623	34.000	8.611	26.416	164.4	0.226
130	8.573	34.017	8.560	26.438	162.3	0.242
140	8.492	34.051	8.478	26.477	159.0	0.258
150	8.371	34.071	8.356	26.512	155.9	0.274
175	8.002	34.048	7.985	26.549	152.6	0.313
200	7.695	34.052	7.676	26.598	148.4	0.350
225	7.544	34.108	7.522	26.664	142.5	0.387
250	7.563	34.130	7.537	26.679	141.5	0.422
300	7.182	34.141	7.153	26.742	136.1	0.492
400	6.788	34.201	6.751	26.845	127.8	0.624
500	6.019	34.204	5.976	26.949	118.7	0.747
503	6.021	34.206	5.977	26.950	118.6	0.751

STA NO 126 ,CON LAT: 38 26.5 N LONG:123 50.0 W  
 1 JUN 1982 0444 GMT PROBE 2567 DEPTH 1819M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.295	33.173	11.295	25.321	266.1	0.003
10	10.735	33.281	10.734	25.505	248.8	0.026
20	10.027	33.509	10.024	25.805	220.6	0.050
30	9.858	33.608	9.854	25.910	210.7	0.071
40	9.627	33.656	9.622	25.986	203.7	0.092
50	9.427	33.672	9.421	26.031	199.7	0.112
60	9.246	33.737	9.239	26.112	192.2	0.132
70	9.203	33.829	9.196	26.191	184.9	0.150
80	9.274	33.881	9.265	26.220	182.3	0.169
90	8.947	33.885	8.937	26.276	177.2	0.187
100	8.976	33.938	8.966	26.312	173.9	0.204
110	8.888	33.967	8.877	26.349	170.6	0.222
120	8.832	34.004	8.820	26.388	167.2	0.238
130	8.792	34.020	8.778	26.406	165.6	0.255
140	8.594	34.037	8.579	26.451	161.6	0.271
150	8.459	34.055	8.443	26.486	158.4	0.287
175	8.179	34.055	8.161	26.528	154.7	0.326
200	7.730	34.055	7.711	26.595	148.7	0.364
225	7.817	34.113	7.795	26.628	146.0	0.401
250	7.659	34.128	7.634	26.663	143.1	0.437
300	7.399	34.184	7.370	26.745	136.1	0.507
400	6.821	34.209	6.784	26.846	127.7	0.639
500	6.020	34.216	5.976	26.958	117.8	0.761
504	6.005	34.214	5.961	26.958	117.8	0.766



STATION 126 CON



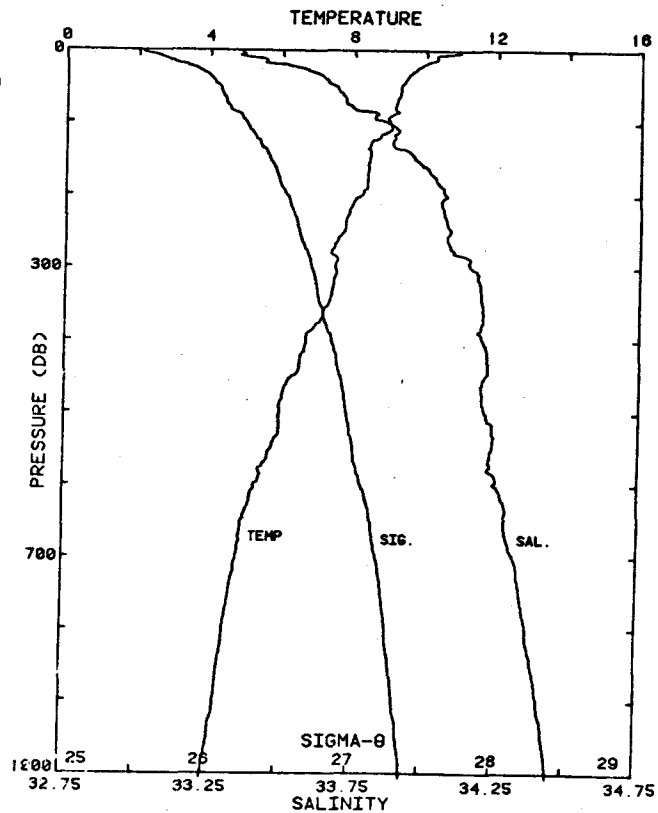
STA NO 127 ,CN7 LAT: 38 31.0 N LONG:123 52.1 W  
 1 JUN 1982 0540 GNT PROBE 2567 DEPTH 2034M  
 39.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.272	33.311	11.272	25.432	255.6	0.003
10	10.390	33.353	10.389	25.621	237.8	0.025
20	9.991	33.432	9.989	25.751	225.7	0.048
30	9.801	33.461	9.798	25.805	220.8	0.071
40	9.532	33.538	9.527	25.910	211.0	0.092
50	9.387	33.645	9.382	26.017	201.0	0.113
60	9.333	33.686	9.326	26.058	197.3	0.133
70	9.338	33.733	9.330	26.094	194.1	0.152
80	9.109	33.737	9.100	26.134	190.4	0.172
90	9.090	33.760	9.080	26.155	188.6	0.190
100	9.181	33.837	9.170	26.201	184.5	0.209
110	9.090	33.848	9.079	26.224	182.5	0.227
120	8.687	33.839	8.675	26.281	177.2	0.245
130	8.634	33.907	8.621	26.343	171.6	0.263
140	8.662	33.955	8.647	26.376	168.6	0.280
150	8.656	34.004	8.641	26.415	165.1	0.296
175	8.448	34.055	8.430	26.488	158.6	0.337
200	8.277	34.087	8.257	26.539	154.2	0.376
225	7.929	34.088	7.907	26.592	149.5	0.414
250	7.522	34.086	7.498	26.650	144.3	0.451
300	7.227	34.150	7.199	26.742	136.2	0.521
400	6.761	34.211	6.725	26.856	126.7	0.653
500	5.919	34.213	5.876	26.968	116.7	0.775
504	5.919	34.216	5.875	26.970	116.5	0.779

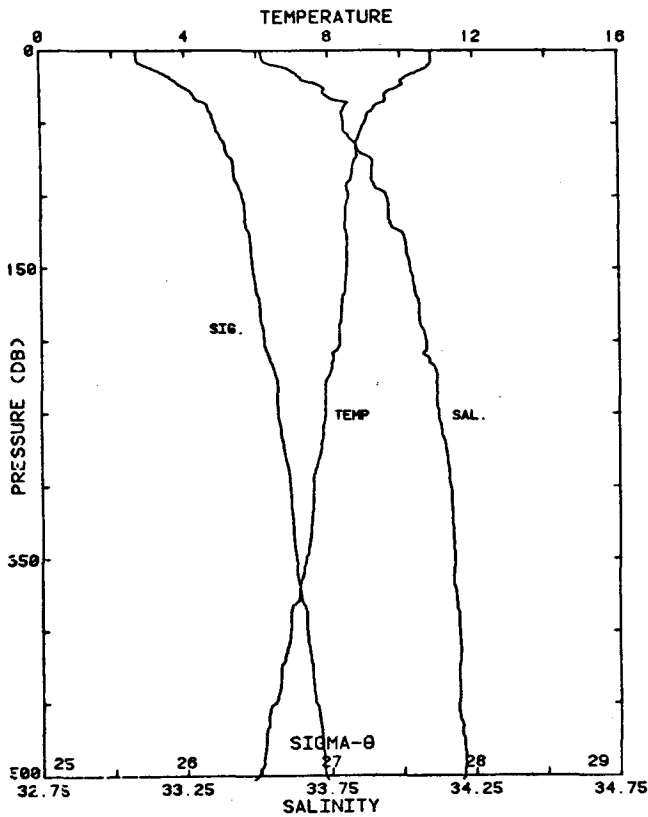
STATION 127 CN7

STA NO 128 ,CN6 LAT: 38 34.1 N LONG:123 47.9 W  
 1 JUN 1982 0648 GNT PROBE 2567 DEPTH 1359M  
 31.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.945	33.362	10.945	25.531	246.2	0.002
10	10.271	33.372	10.270	25.656	231.5	0.024
20	9.961	33.467	9.959	25.783	222.6	0.047
30	9.677	33.589	9.673	25.926	209.3	0.069
40	9.444	33.644	9.439	26.007	201.8	0.089
50	9.296	33.676	9.291	26.056	197.3	0.109
60	9.269	33.702	9.262	26.081	195.1	0.129
70	9.182	33.719	9.175	26.108	192.7	0.148
80	9.124	33.744	9.116	26.137	190.2	0.167
90	9.031	33.828	9.022	26.218	182.7	0.186
100	8.986	33.863	8.975	26.252	179.6	0.204
110	8.928	33.904	8.916	26.278	177.4	0.222
120	8.711	33.892	8.699	26.319	173.6	0.239
130	8.447	33.883	8.434	26.352	170.6	0.257
140	8.452	33.941	8.438	26.397	166.6	0.273
150	8.427	33.961	8.412	26.417	164.9	0.290
175	8.389	34.035	8.371	26.481	159.3	0.330
200	8.221	34.075	8.200	26.538	154.3	0.370
225	7.862	34.066	7.840	26.585	150.1	0.408
250	7.737	34.092	7.712	26.624	146.9	0.445
300	7.511	34.162	7.481	26.712	139.2	0.516
400	6.717	34.206	6.681	26.858	126.5	0.650
500	5.997	34.215	5.954	26.960	117.6	0.771
600	5.309	34.247	5.260	27.070	107.6	0.884
800	4.517	34.372	4.454	27.261	90.7	1.080
1000	3.967	34.449	3.892	27.381	80.2	1.251
1006	3.962	34.449	3.886	27.381	80.2	1.256



STATION 128 CN6

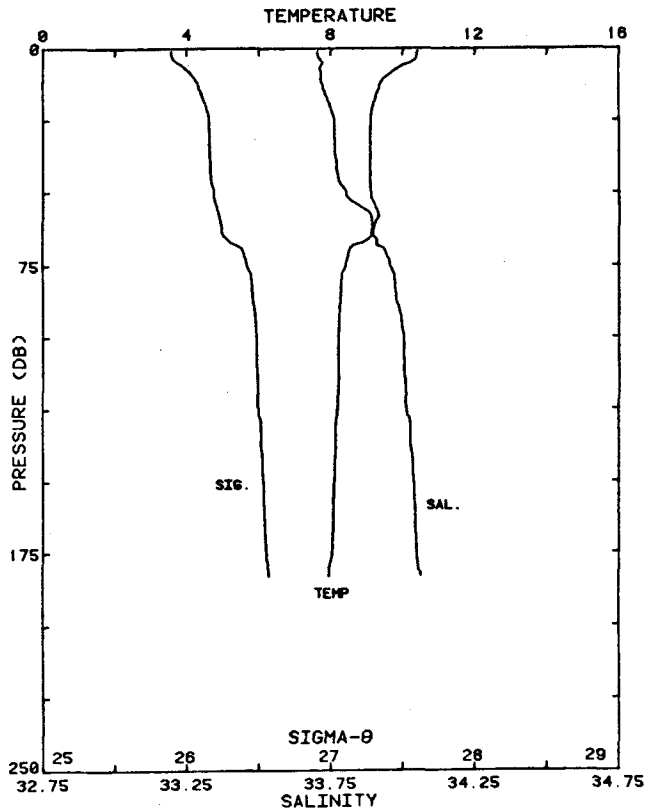


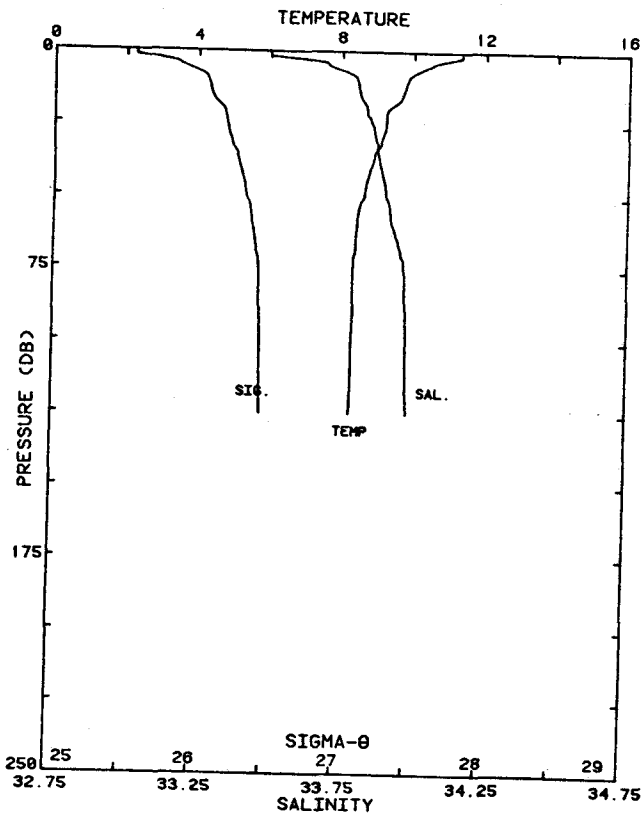
STA NO 129 ,CN5 LAT: 38 36.3 N LONG:123 44.5 W  
 1 JUN 1982 0806 GMT PROBE 2567 DEPTH 577M  
 24.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.861	33.517	10.861	25.666	233.4	0.002
10	10.809	33.549	10.808	25.700	230.3	0.023
20	10.077	33.655	10.075	25.909	210.6	0.045
30	9.582	33.732	9.579	26.032	197.2	0.066
40	9.246	33.801	9.242	26.162	187.1	0.085
50	8.996	33.802	8.991	26.202	183.4	0.103
60	8.819	33.821	8.813	26.246	179.5	0.121
70	8.756	33.857	8.749	26.284	176.0	0.139
80	8.643	33.900	8.635	26.335	171.4	0.157
90	8.552	33.899	8.542	26.349	170.2	0.174
100	8.527	33.948	8.517	26.391	166.4	0.190
110	8.435	33.954	8.423	26.409	164.8	0.207
120	8.425	33.965	8.413	26.420	164.0	0.223
130	8.487	34.011	8.474	26.447	161.7	0.240
140	8.477	34.018	8.462	26.454	161.2	0.256
150	8.466	34.029	8.451	26.464	160.4	0.272
175	8.316	34.058	8.298	26.510	156.5	0.312
200	8.248	34.081	8.228	26.539	151.2	0.350
225	7.916	34.116	7.893	26.616	147.2	0.388
250	7.836	34.125	7.811	26.635	145.8	0.425
300	7.506	34.165	7.477	26.715	139.0	0.496
400	6.860	34.195	6.823	26.830	129.2	0.631
500	5.975	34.208	5.932	26.957	117.8	0.755
503	5.842	34.205	5.799	26.971	116.3	0.758

STA NO 130 ,CN4 LAT: 38 38.3 N LONG:123 41.7 W  
 1 JUN 1982 0857 GMT PROBE 2567 DEPTH 188M  
 19.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.405	33.705	10.405	25.892	211.9	0.002
10	9.502	33.715	9.501	26.052	196.8	0.021
20	9.159	33.748	9.157	26.134	189.2	0.040
30	9.090	33.762	9.087	26.156	187.4	0.059
40	9.085	33.770	9.081	26.163	186.9	0.077
50	9.110	33.803	9.105	26.185	185.0	0.096
60	9.231	33.891	9.225	26.234	180.6	0.114
70	8.488	33.940	8.481	26.390	165.9	0.132
80	8.289	33.972	8.281	26.445	160.8	0.148
90	8.234	33.987	8.225	26.466	159.0	0.164
100	8.211	34.004	8.201	26.482	157.6	0.180
110	8.210	34.005	8.199	26.483	157.7	0.196
120	8.197	34.011	8.185	26.490	157.3	0.212
130	8.140	34.027	8.126	26.511	155.4	0.227
140	8.121	34.032	8.107	26.519	154.9	0.243
150	8.087	34.039	8.072	26.530	154.1	0.258
175	8.014	34.048	7.996	26.548	152.8	0.297
183	7.946	34.063	7.928	26.569	150.9	0.309



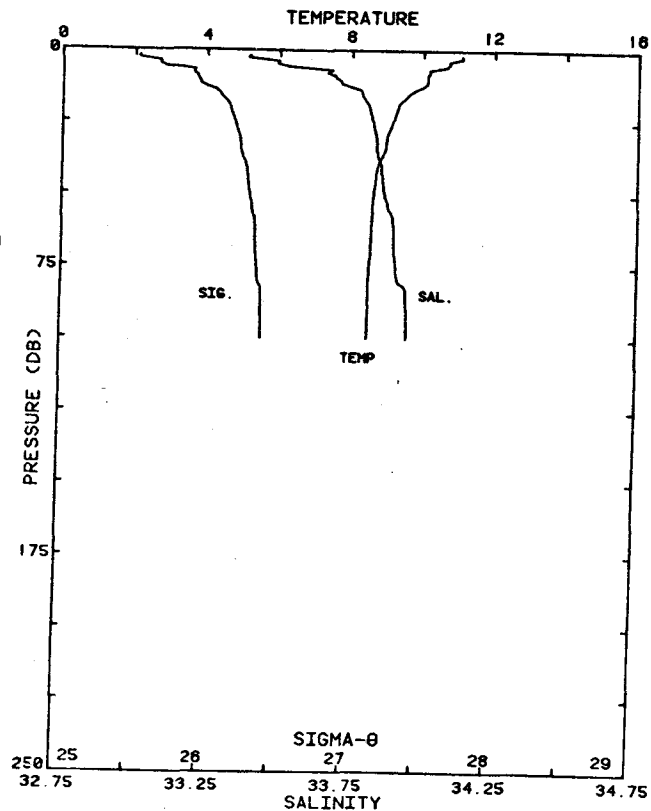


STA NO 131 ,CN3 LAT: 38 40.3 N LONG:123 38.8 W  
 1 JUN 1982 0940 GMT PROBE 2567 DEPTH 131M  
 13.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
1	11.323	33.498	11.323	25.568	242.7	0.002
10	9.832	33.803	9.831	26.066	195.5	0.022
20	9.304	33.839	9.302	26.181	184.8	0.041
30	9.143	33.871	9.140	26.233	180.1	0.059
40	8.825	33.889	8.820	26.297	174.1	0.077
50	8.650	33.908	8.645	26.340	170.3	0.094
60	8.457	33.930	8.451	26.386	166.1	0.111
70	8.398	33.961	8.391	26.420	163.1	0.127
80	8.363	33.976	8.355	26.438	161.6	0.143
90	8.358	33.979	8.348	26.440	161.5	0.160
100	8.337	33.983	8.327	26.447	161.1	0.176
110	8.335	33.983	8.324	26.447	161.2	0.192
120	8.325	33.986	8.313	26.452	161.0	0.208
125	8.314	33.989	8.301	26.456	160.7	0.216

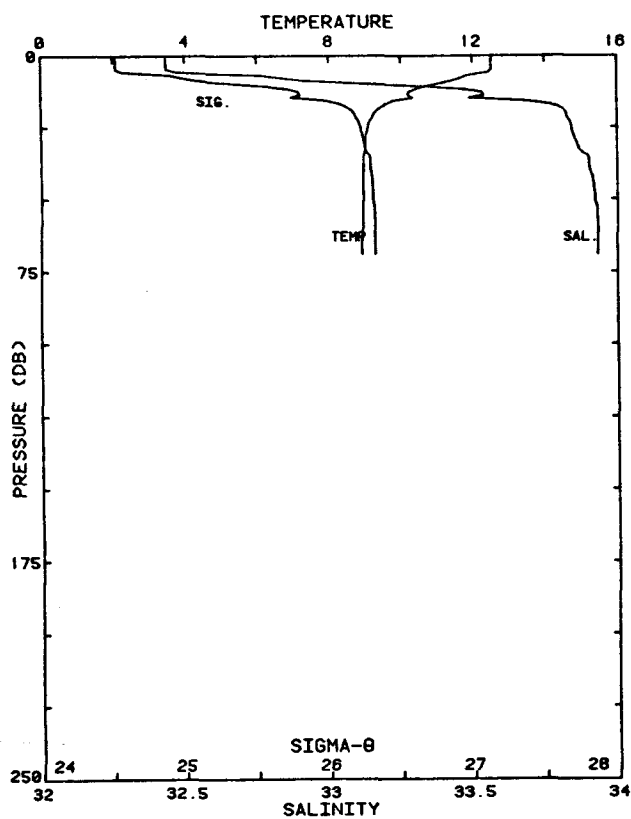
STA NO 132 ,CN2 LAT: 38 42.2 N LONG:123 35.7 W  
 1 JUN 1982 1019 GMT PROBE 2567 DEPTH 104M  
 8.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
2	11.087	33.398	11.087	25.533	246.0	0.005
10	10.117	33.498	10.116	25.936	207.9	0.023
20	9.300	33.814	9.298	26.163	186.5	0.043
30	9.001	33.840	8.998	26.231	180.3	0.061
40	8.763	33.858	8.759	26.282	175.6	0.079
50	8.662	33.871	8.657	26.309	173.2	0.096
60	8.598	33.900	8.592	26.341	170.3	0.113
70	8.578	33.905	8.571	26.348	169.9	0.130
80	8.523	33.918	8.515	26.368	168.2	0.147
90	8.534	33.951	8.524	26.392	166.1	0.164
100	8.518	33.953	8.507	26.396	165.9	0.181



STATION 132 CN2





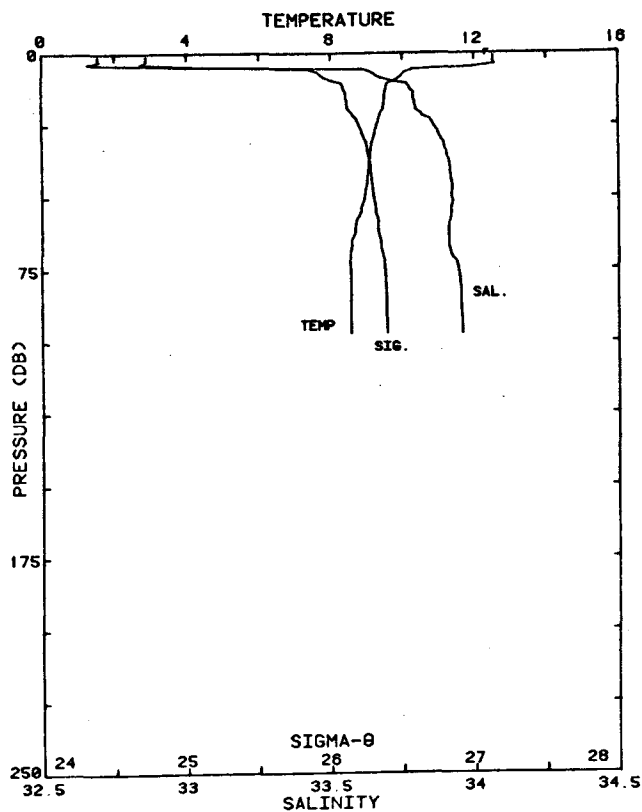
STATION 133 CN1

STA NO 133 ,CN1 LAT: 38 44.0 N LONG:123 33.0 W  
1 JUN 1982 1101 GMT PROBE 2567 DEPTH 74M  
3.0 KM FROM SHORE

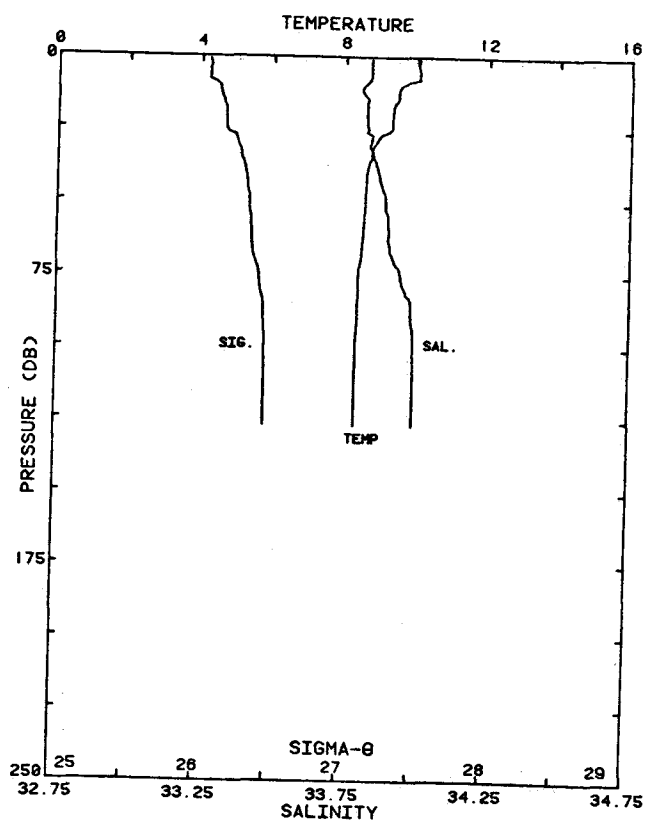
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.530	32.433	12.530	24.518	342.6	0.003
10	11.004	33.143	11.005	25.350	263.5	0.032
20	9.277	33.825	9.274	26.175	185.4	0.054
30	9.016	33.860	9.013	26.244	179.0	0.072
40	8.955	33.907	8.951	26.291	174.8	0.090
50	8.946	33.923	8.940	26.305	173.7	0.107
60	8.930	33.933	8.924	26.315	172.9	0.124
69	8.906	33.933	8.899	26.319	172.6	0.140

STA NO 134 ,CA1 LAT: 38 41.0 N LONG:123 34.0 W  
1 JUN 1982 1139 GMT PROBE 2567 DEPTH 100M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.534	32.695	12.534	24.720	323.4	0.003
10	9.759	33.713	9.758	26.008	201.0	0.027
20	9.461	33.798	9.458	26.124	190.2	0.046
30	9.187	33.885	9.183	26.236	179.8	0.065
40	9.055	33.914	9.051	26.280	175.8	0.082
50	8.949	33.921	8.944	26.303	173.9	0.100
60	8.704	33.910	8.698	26.333	171.1	0.117
70	8.555	33.920	8.548	26.364	168.4	0.134
80	8.571	33.952	8.563	26.387	166.4	0.151
90	8.543	33.956	8.553	26.391	166.2	0.167
97	8.559	33.957	8.549	26.392	166.2	0.179

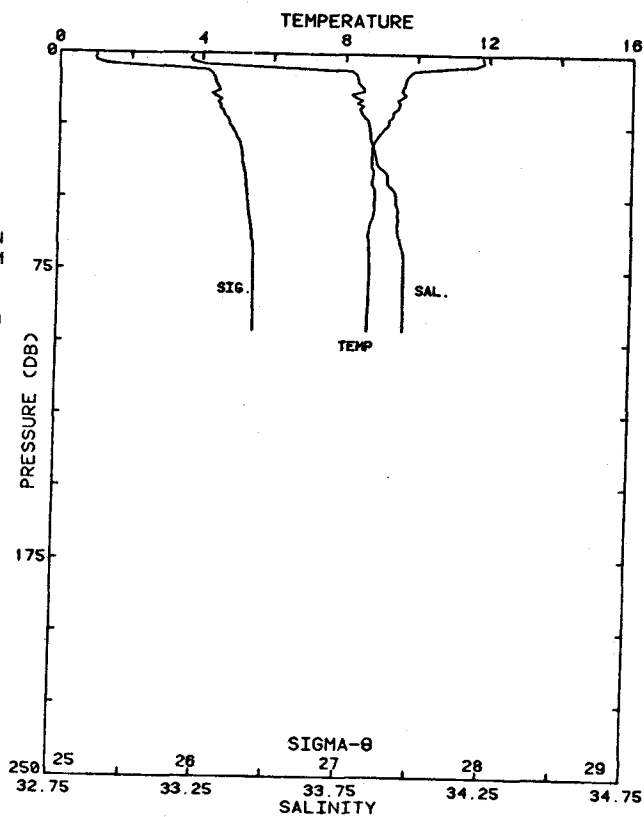


STATION 134 CA1



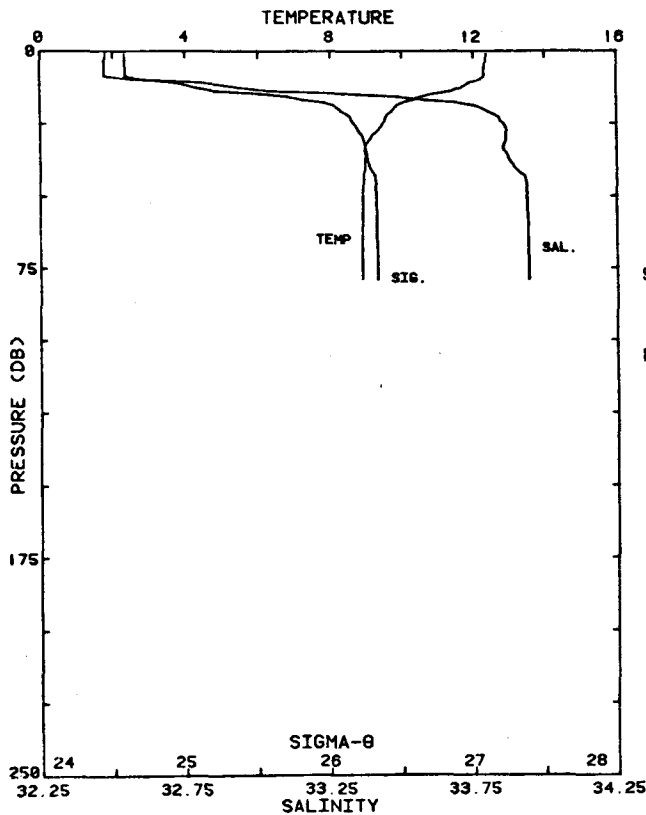
STA NO 135 CA2 LAT: 38 37.2 N LONG: 123 35.0 W  
1 JUN 1982 1219 GMT PROBE 2567 DEPTH 133M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.059	33.839	10.059	26.056	196.3	0.002
10	9.528	33.813	9.527	26.124	190.0	0.020
20	9.307	33.824	9.305	26.169	185.9	0.038
30	8.830	33.836	8.827	26.255	177.9	0.057
40	8.616	33.868	8.612	26.314	172.6	0.074
50	8.579	33.893	8.574	26.339	170.4	0.091
60	8.540	33.906	8.534	26.355	169.1	0.108
70	8.456	33.922	8.449	26.381	166.8	0.125
80	8.409	33.960	8.401	26.418	163.1	0.142
90	8.389	33.986	8.380	26.441	161.4	0.158
100	8.362	33.995	8.352	26.452	160.5	0.174
110	8.352	33.998	8.349	26.456	160.4	0.190
120	8.353	33.998	8.340	26.457	160.5	0.206
127	8.353	33.997	8.340	26.456	160.7	0.217



STA NO 136 CA3 LAT: 38 37.5 N LONG: 123 31.0 W  
1 JUN 1982 1258 GMT PROBE 2567 DEPTH 103M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.817	33.216	11.817	25.259	272.1	0.003
10	9.636	33.792	9.635	26.090	193.2	0.023
20	9.317	33.803	9.315	26.151	187.7	0.042
30	8.821	33.838	8.818	26.258	177.7	0.061
40	8.778	33.883	8.774	26.299	173.9	0.078
50	8.835	33.929	8.830	26.327	171.6	0.095
60	8.691	33.934	8.684	26.353	169.2	0.113
70	8.693	33.956	8.685	26.371	167.8	0.129
80	8.696	33.958	8.687	26.372	167.8	0.146
90	8.669	33.959	8.660	26.377	167.5	0.163
96	8.667	33.958	8.657	26.377	167.7	0.173



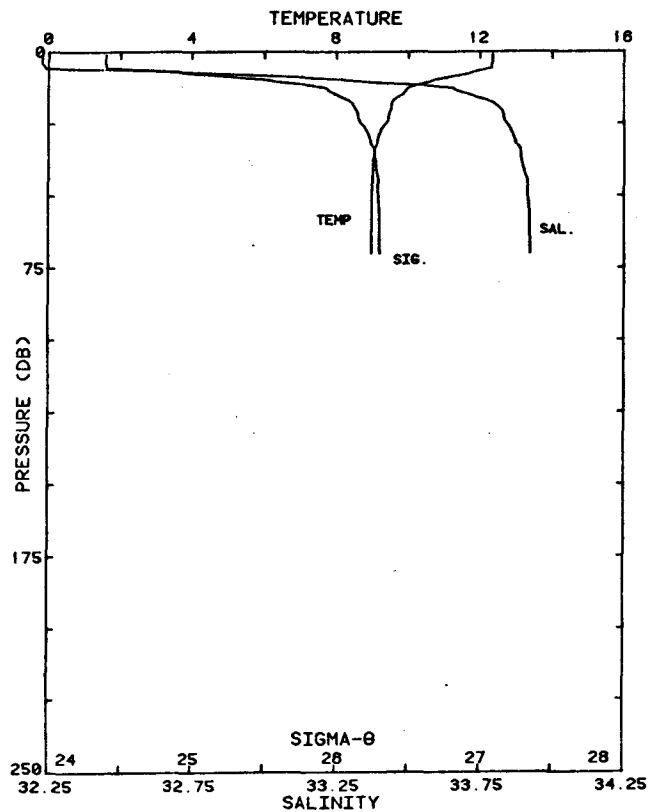
STATION 137 COA2

STA NO 137 ,COA2 LAT: 38 37.3 N LONG:123 26.5 W  
 1 JUN 1982 1339 GMT PROBE 2567 DEPTH 84M  
 4.3 KM FROM SHORE

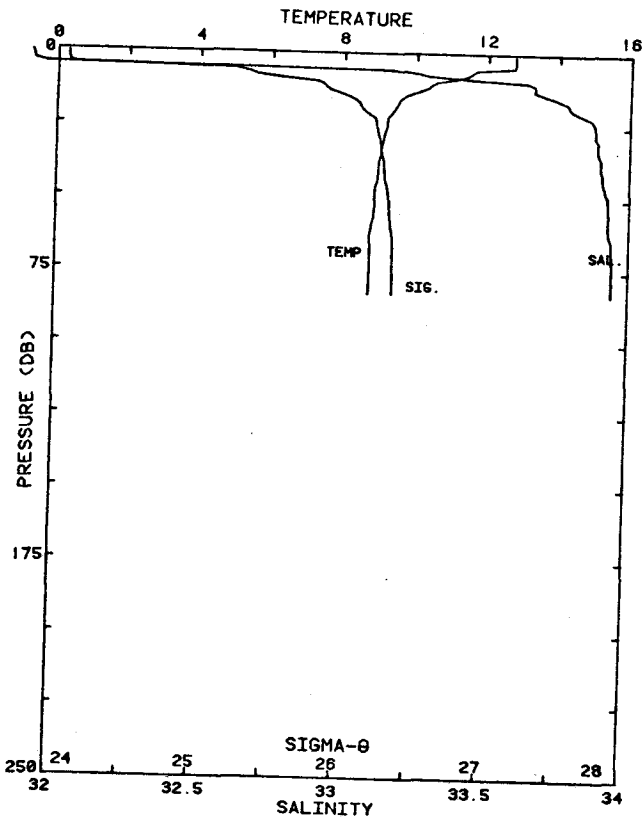
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.379	32.474	12.379	24.579	336.8	0.003
10	12.191	32.563	12.190	24.683	327.1	0.034
20	9.781	33.784	9.779	26.060	196.3	0.059
30	9.120	33.863	9.117	26.230	180.3	0.078
40	8.977	33.894	8.972	26.277	176.0	0.095
50	8.904	33.937	8.899	26.322	172.0	0.113
60	8.904	33.941	8.898	26.325	171.9	0.130
70	8.888	33.940	8.881	26.328	171.9	0.147
79	8.884	33.942	8.875	26.330	171.9	0.163

STA NO 138 ,CAR LAT: 38 35.0 N LONG:123 23.0 W  
 1 JUN 1982 1421 GMT PROBE 2567 DEPTH 75M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.345	32.228	12.344	24.395	354.3	0.004
10	10.700	33.273	10.699	25.505	248.9	0.033
20	9.514	33.824	9.511	26.135	189.2	0.054
30	9.149	33.869	9.146	26.230	180.3	0.072
40	9.007	33.899	9.003	26.276	176.1	0.090
50	8.990	33.917	8.985	26.293	174.8	0.108
60	8.980	33.923	8.973	26.299	174.4	0.125
70	8.973	33.924	8.965	26.302	174.3	0.142



STATION 138 CAR



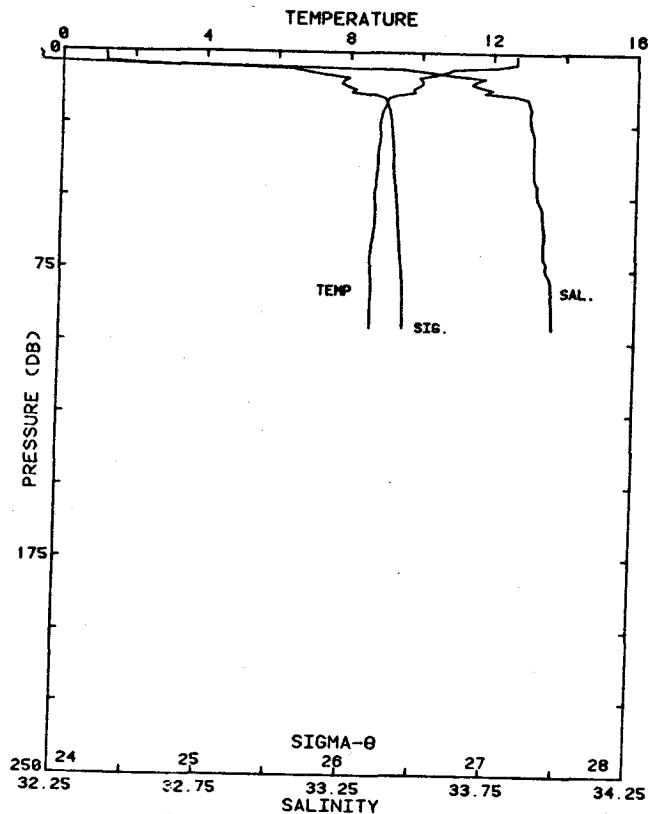
STATION 139 RC1

STA NO 139 ,RC1 LAT: 38 31.8 N LONG:123 21.3 W  
 1 JUN 1982 1459 GHT PROBE 2567 DEPTH 87M  
 4.9 KM FROM SHORE

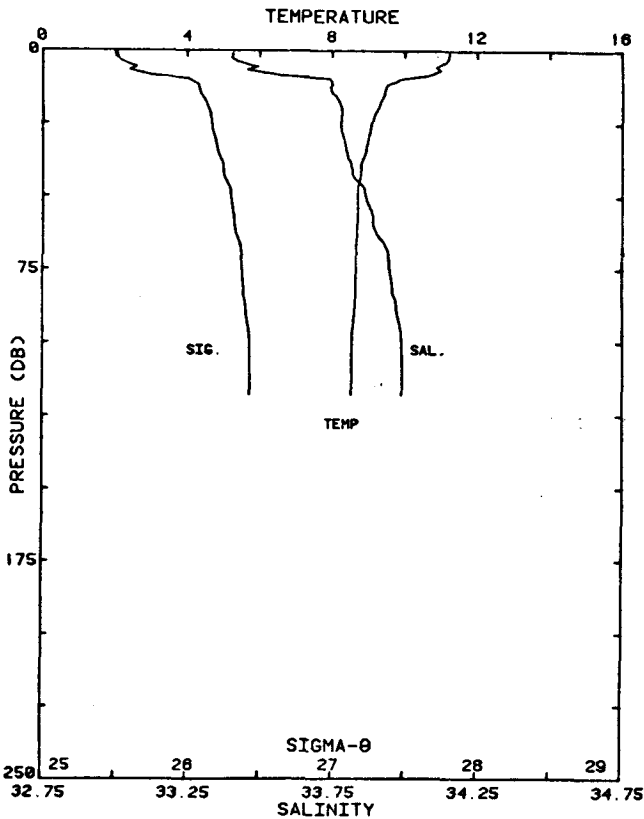
PRESS	TEMP	SAL	POTEN	SIGMA	SVR	DELD
	TEMP		TEMP	THETA		
1	12.757	31.911	12.757	24.072	385.2	0.004
10	10.548	33.640	10.547	25.817	219.2	0.033
20	9.357	33.816	9.355	26.155	187.3	0.053
30	9.094	33.891	9.091	26.256	177.9	0.071
40	8.971	33.902	8.967	26.284	175.4	0.089
50	8.878	33.925	8.873	26.317	172.4	0.106
60	8.790	33.928	8.784	26.333	171.1	0.123
70	8.767	33.942	8.760	26.348	169.9	0.140
80	8.757	33.943	8.749	26.350	169.9	0.157
83	8.748	33.943	8.739	26.352	169.8	0.162

STA NO 140 ,RC2 LAT: 38 30.8 N LONG:123 22.6 W  
 1 JUN 1982 1527 GMT PROBE 2567 DEPTH 102M  
 7.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVR	DELD
	TEMP		TEMP	THETA		
1	12.641	32.172	12.641	24.295	363.8	0.004
10	9.988	33.685	9.987	25.948	206.8	0.030
20	8.910	33.879	8.908	26.275	175.8	0.048
30	8.829	33.892	8.826	26.298	173.9	0.066
40	8.775	33.892	8.771	26.307	173.2	0.083
50	8.704	33.907	8.699	26.330	171.2	0.101
60	8.716	33.927	8.710	26.344	170.1	0.118
70	8.604	33.930	8.597	26.364	168.4	0.135
80	8.636	33.954	8.628	26.378	167.2	0.151
90	8.629	33.961	8.620	26.384	166.8	0.168
95	8.625	33.963	8.615	26.387	166.7	0.176



STATION 140 RC2



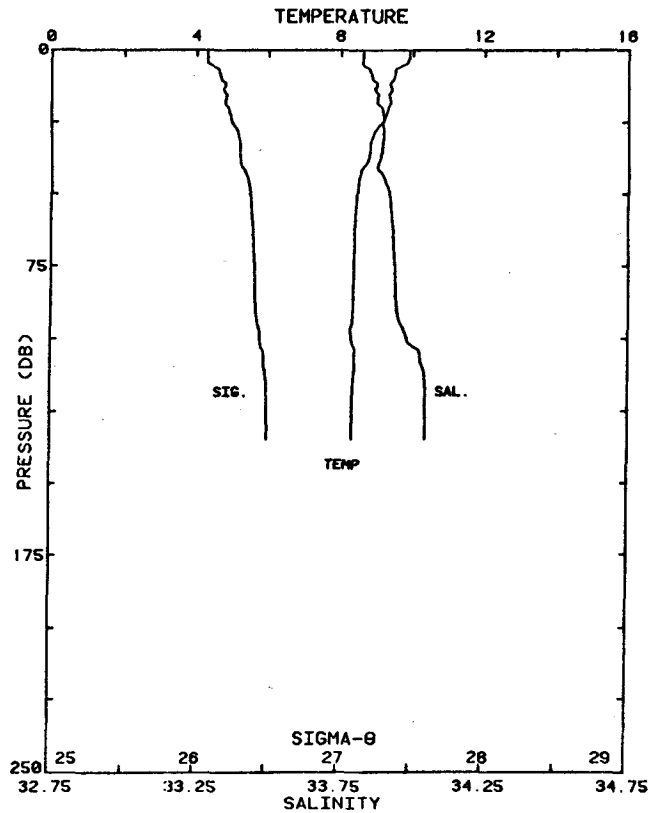
STATION 141 RC3

STA NO 141 ,RC3 LAT: 38 29.0 N LONG:123 25.5 W  
 1 JUN 1982 1600 GMT PROBE 2567 DEPTH 124M  
 12.9 KM FROM SHORE

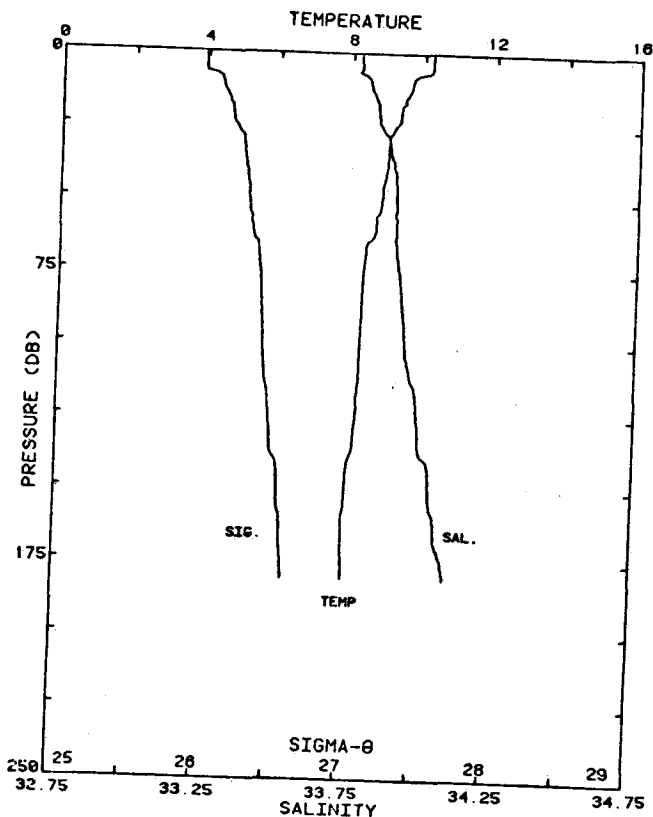
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.231	33.408	11.231	25.515	247.7	0.002
10	9.889	33.741	9.888	26.008	201.1	0.024
20	9.255	33.783	9.253	26.145	188.2	0.043
30	9.000	33.791	8.997	26.193	183.9	0.062
40	8.796	33.818	8.792	26.246	179.0	0.080
50	8.704	33.866	8.699	26.298	174.2	0.098
60	8.685	33.890	8.679	26.320	172.3	0.115
70	8.640	33.942	8.632	26.368	168.0	0.132
80	8.632	33.954	8.623	26.379	167.2	0.149
90	8.590	33.970	8.580	26.398	165.3	0.165
100	8.509	33.986	8.499	26.423	163.4	0.182
110	8.505	33.987	8.494	26.424	163.4	0.198
118	8.507	33.988	8.495	26.425	163.5	0.211

STA NO 142 ,RC4 LAT: 38 27.0 N LONG:123 28.5 W  
 1 JUN 1982 1635 GMT PROBE 2567 DEPTH 144M  
 18.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.903	33.827	9.903	26.073	194.7	0.002
10	9.475	33.858	9.473	26.168	185.8	0.019
20	9.321	33.890	9.319	26.218	181.2	0.037
30	8.889	33.898	8.886	26.294	171.2	0.055
40	8.696	33.880	8.692	26.310	172.9	0.073
50	8.469	33.919	8.464	26.376	166.8	0.090
60	8.415	33.931	8.409	26.394	165.3	0.106
70	8.393	33.936	8.386	26.401	164.9	0.123
80	8.369	33.940	8.361	26.409	164.3	0.139
90	8.355	33.946	8.346	26.415	163.9	0.155
100	8.326	33.983	8.316	26.449	160.9	0.172
110	8.413	34.038	8.402	26.478	158.3	0.188
120	8.353	34.048	8.340	26.496	156.8	0.203
130	8.340	34.048	8.327	26.498	156.8	0.219
135	8.341	34.047	8.328	26.497	157.0	0.227



STATION 142 RC4



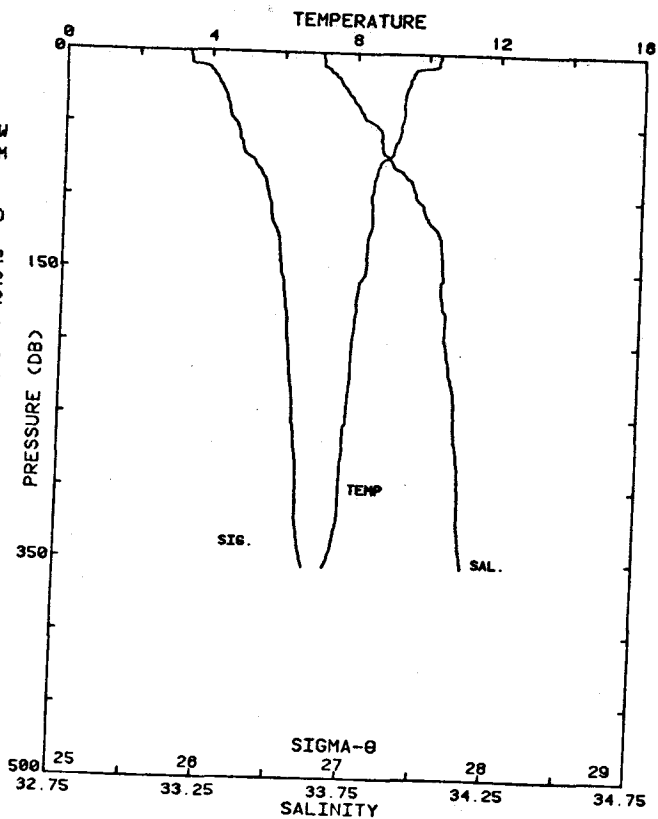
STATION 143 RC5

STA NO 143 ,RC5 LAT: 38 25.0 N LONG:123 31.5 W  
 1 JUN 1982 1710 GMT PROBE 2567 DEPTH 187M  
 24.3 KM FROM SHORE

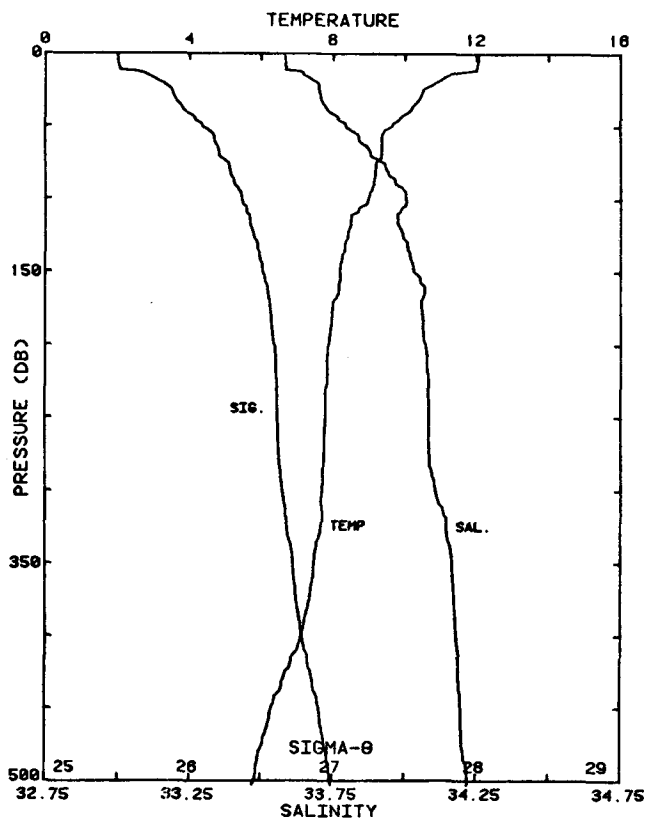
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.229	33.781	10.229	25.982	203.4	0.002
10	9.677	33.813	9.676	26.100	192.3	0.020
20	9.371	33.844	9.369	26.175	185.4	0.039
30	9.059	33.884	9.056	26.256	177.9	0.057
40	9.001	33.906	8.997	26.282	175.6	0.075
50	8.900	33.913	8.894	26.304	173.7	0.092
60	8.732	33.912	8.726	26.330	171.4	0.110
70	8.451	33.917	8.444	26.377	167.1	0.126
80	8.398	33.933	8.390	26.398	165.3	0.143
90	8.384	33.942	8.375	26.407	164.6	0.160
100	8.365	33.951	8.355	26.418	163.8	0.176
110	8.346	33.969	8.335	26.434	162.4	0.192
120	8.295	33.994	8.282	26.462	160.0	0.208
130	8.240	34.002	8.227	26.477	158.7	0.224
140	8.106	34.031	8.092	26.520	154.8	0.240
150	8.040	34.047	8.025	26.543	152.8	0.255
175	8.022	34.097	8.004	26.585	149.3	0.293
181	8.037	34.107	8.019	26.590	148.9	0.302

STA NO 144 ,RC6 LAT: 38 23.0 N LONG:123 35.0 W  
 1 JUN 1982 1810 GMT PROBE 2567 DEPTH 367M  
 30.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.314	33.630	10.314	25.849	215.9	0.002
10	10.133	33.633	10.131	25.883	212.9	0.022
20	9.458	33.692	9.456	26.041	198.1	0.042
30	9.323	33.727	9.320	26.091	193.5	0.061
40	9.322	33.763	9.317	26.120	191.1	0.081
50	9.241	33.822	9.236	26.178	185.7	0.099
60	9.175	33.837	9.169	26.201	183.7	0.118
70	9.033	33.849	9.026	26.233	180.9	0.136
80	8.630	33.896	8.622	26.334	171.5	0.154
90	8.536	33.951	8.527	26.391	166.1	0.170
100	8.476	33.966	8.465	26.412	164.4	0.187
110	8.509	33.997	8.498	26.432	162.7	0.203
120	8.518	34.033	8.506	26.458	160.4	0.219
130	8.402	34.055	8.389	26.494	157.2	0.235
140	8.385	34.061	8.370	26.501	156.7	0.251
150	8.357	34.062	8.342	26.506	156.4	0.267
175	8.126	34.066	8.109	26.545	153.1	0.305
200	8.034	34.079	8.014	26.569	151.3	0.343
225	8.000	34.100	7.977	26.591	149.6	0.381
250	7.930	34.116	7.905	26.614	147.9	0.418
300	7.789	34.137	7.760	26.652	145.1	0.491
355	7.448	34.158	7.414	26.719	139.5	0.570



STATION 144 RC6

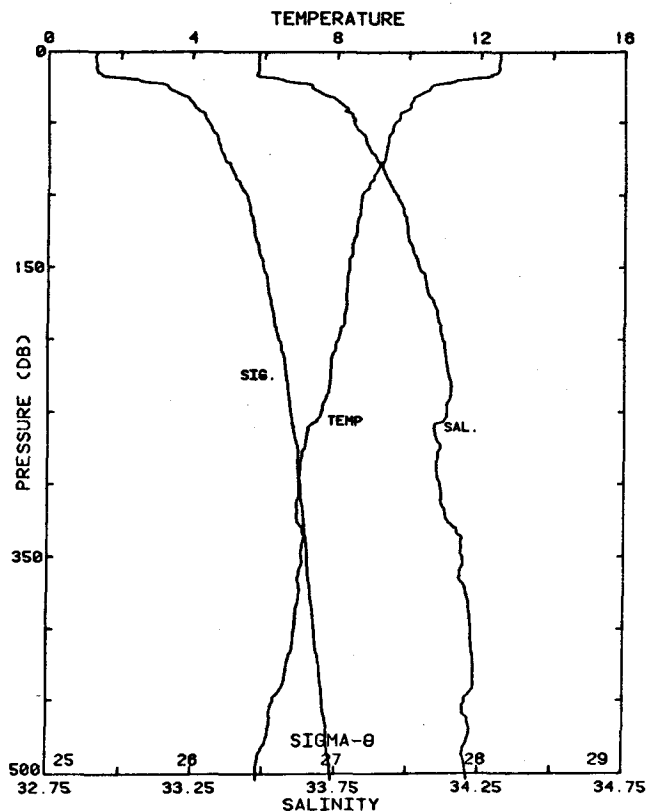


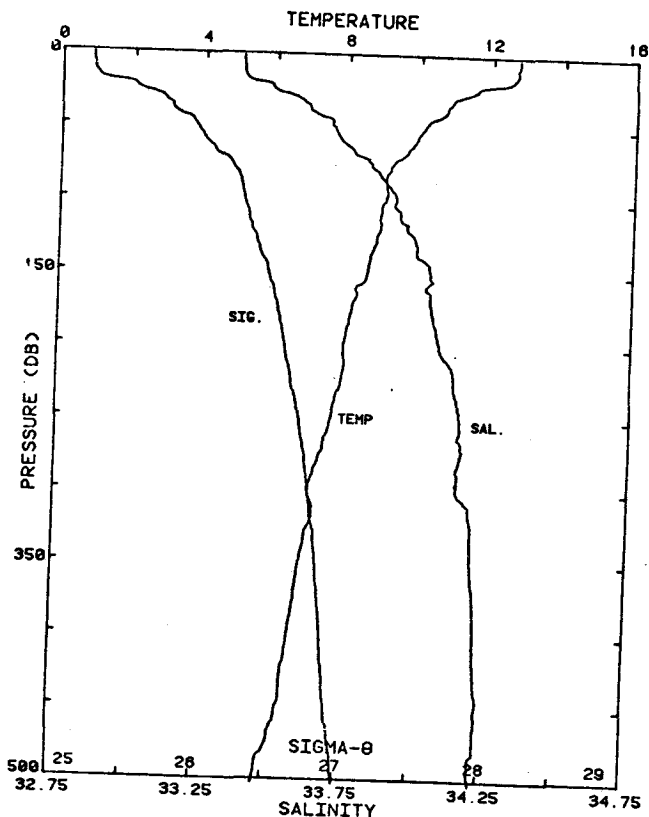
STA NO 145 ,RC7 LAT: 38 19.7 N LONG:123 40.1 W  
1 JUN 1982 1903 GMT PROBE 2567 DEPTH 1077M  
40.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	12.053	33.583	12.053	25.498	249.3	0.005
10	11.996	33.585	11.994	25.511	248.3	0.025
20	10.870	33.688	10.868	25.797	221.3	0.048
30	10.413	33.705	10.410	25.891	212.6	0.070
40	10.105	33.734	10.100	25.967	205.6	0.091
50	9.637	33.793	9.631	26.092	194.0	0.111
60	9.353	33.842	9.346	26.176	186.1	0.129
70	9.344	33.881	9.336	26.209	183.3	0.148
80	9.167	33.936	9.158	26.280	176.6	0.166
90	9.121	33.968	9.111	26.312	173.8	0.183
100	8.973	34.003	8.963	26.364	169.1	0.200
110	8.573	33.974	8.562	26.404	165.4	0.217
120	8.441	33.985	8.428	26.433	162.7	0.233
130	8.318	34.006	8.305	26.468	159.6	0.250
140	8.251	34.019	8.237	26.489	157.8	0.266
150	8.185	34.030	8.170	26.508	156.2	0.281
175	7.980	34.059	7.963	26.561	151.5	0.320
200	7.874	34.071	7.854	26.587	149.5	0.357
225	7.828	34.083	7.806	26.603	148.4	0.394
250	7.784	34.084	7.759	26.611	148.1	0.431
300	7.688	34.107	7.659	26.643	145.9	0.505
400	7.103	34.180	7.065	26.785	133.7	0.645
500	5.834	34.222	5.792	26.986	114.9	0.768
503	5.769	34.220	5.726	26.992	114.3	0.772

STA NO 146 ,RC8 LAT: 38 16.4 N LONG:123 45.0 W  
1 JUN 1982 2006 GMT PROBE 2567 DEPTH 1948M  
49.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.515	33.480	12.515	25.331	265.2	0.003
10	12.492	33.478	12.491	25.333	265.2	0.027
20	11.319	33.560	11.317	25.617	238.4	0.053
30	10.313	33.697	10.310	25.902	211.6	0.075
40	10.015	33.786	10.011	26.022	200.4	0.095
50	9.603	33.808	9.598	26.109	192.4	0.115
60	9.418	33.846	9.412	26.169	186.8	0.134
70	9.353	33.866	9.345	26.195	184.5	0.152
80	9.149	33.903	9.140	26.258	178.8	0.171
90	8.962	33.928	8.952	26.307	174.3	0.188
100	8.684	33.959	8.674	26.375	168.0	0.205
110	8.646	33.981	8.634	26.398	165.9	0.222
120	8.555	33.994	8.543	26.422	163.8	0.239
130	8.479	34.000	8.465	26.439	162.4	0.255
140	8.419	34.017	8.405	26.462	160.4	0.271
150	8.336	34.035	8.321	26.489	158.1	0.287
175	8.257	34.086	8.239	26.541	153.6	0.326
200	8.047	34.119	8.027	26.599	148.5	0.364
225	7.833	34.140	7.811	26.647	144.3	0.400
250	7.571	34.133	7.546	26.680	141.4	0.436
300	6.962	34.112	6.934	26.749	135.3	0.505
400	6.850	34.223	6.813	26.853	127.1	0.636
500	5.838	34.210	5.795	26.976	115.9	0.758
504	5.834	34.211	5.791	26.977	115.8	0.762





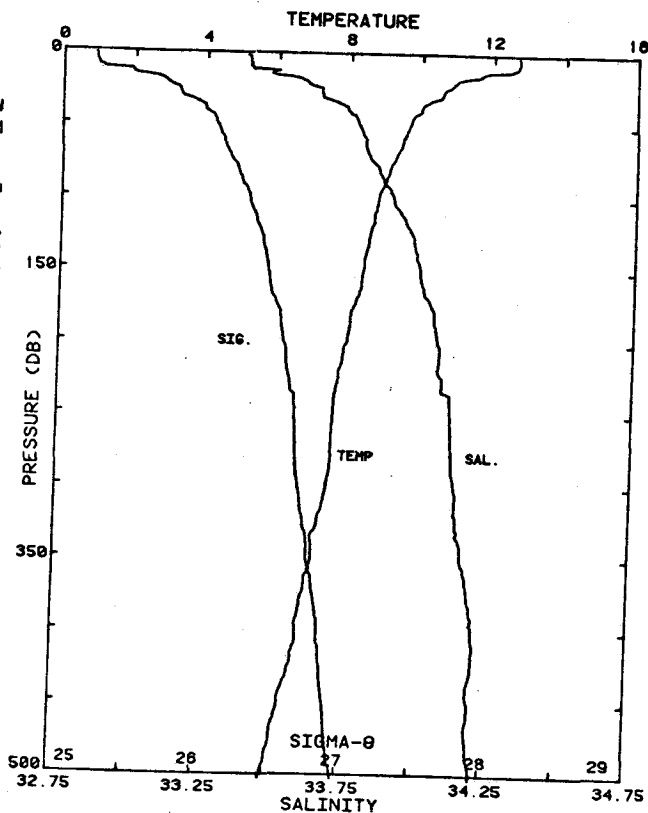
STA NO 147 ,ROS9 LAT: 38 10.1 N LONG:123 40.5 W  
 1 JUN 1982 2130 GMT PROBE 2567 DEPTH 1753M  
 55.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SWA	DELD
2	12.730	33.381	12.729	25.212	276.5	0.006
10	12.676	33.385	12.674	25.226	275.4	0.028
20	12.285	33.423	12.282	25.331	265.7	0.055
30	10.925	33.567	10.921	25.694	231.3	0.080
40	10.650	33.626	10.645	25.789	222.6	0.102
50	10.103	33.700	10.098	25.941	208.3	0.124
60	9.846	33.729	9.840	26.007	202.2	0.144
70	9.497	33.795	9.490	26.116	192.0	0.164
80	9.147	33.855	9.138	26.220	182.3	0.183
90	9.072	33.895	9.063	26.264	178.4	0.201
100	9.066	33.920	9.056	26.284	176.6	0.218
110	8.937	33.936	8.925	26.317	173.7	0.236
120	8.932	33.961	8.919	26.338	171.9	0.253
130	8.819	33.994	8.806	26.381	168.0	0.270
140	8.669	34.017	8.654	26.423	164.2	0.287
150	8.582	34.046	8.567	26.460	160.9	0.303
175	8.166	34.051	8.149	26.527	154.8	0.342
200	7.955	34.081	7.935	26.583	149.9	0.380
225	7.910	34.132	7.888	26.630	145.9	0.417
250	7.640	34.155	7.615	26.688	140.8	0.453
300	7.044	34.151	7.016	26.769	133.6	0.522
400	6.633	34.229	6.597	26.887	123.6	0.650
500	5.767	34.224	5.724	26.996	113.9	0.769
503	5.757	34.226	5.714	26.998	113.7	0.773

STATION 147 ROS9

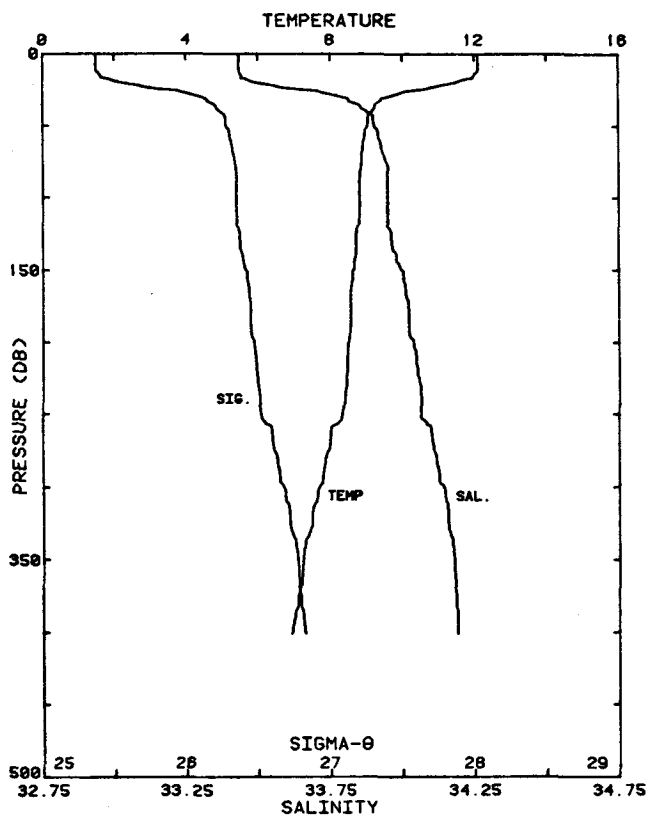
STA NO 148 ,RSB LAT: 38 11.3 N LONG:123 35.0 W  
 1 JUN 1982 2242 GMT PROBE 2567 DEPTH 878M  
 47.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SWA	DELD
2	12.697	33.386	12.697	25.223	275.5	0.006
10	12.630	33.401	12.629	25.248	273.4	0.027
20	10.933	33.595	10.931	25.714	229.2	0.052
30	10.535	33.651	10.531	25.828	218.6	0.075
40	9.972	33.742	9.967	25.995	202.9	0.096
50	9.661	33.784	9.655	26.080	195.1	0.115
60	9.462	33.802	9.455	26.128	190.7	0.135
70	9.289	33.815	9.281	26.166	187.3	0.154
80	9.104	33.851	9.095	26.224	182.0	0.172
90	8.981	33.872	8.971	26.260	178.7	0.190
100	8.809	33.904	8.798	26.313	173.9	0.208
110	8.717	33.933	8.705	26.349	170.6	0.225
120	8.640	33.959	8.627	26.382	167.6	0.242
130	8.564	33.980	8.551	26.410	165.2	0.258
140	8.461	33.990	8.447	26.434	163.1	0.275
150	8.420	34.004	8.404	26.451	161.6	0.291
175	8.174	34.047	8.156	26.523	155.2	0.331
200	8.007	34.069	7.987	26.566	151.6	0.369
225	7.804	34.088	7.782	26.611	147.7	0.407
250	7.671	34.118	7.646	26.654	143.9	0.443
300	7.530	34.137	7.501	26.690	141.3	0.515
400	6.802	34.213	6.765	26.852	127.1	0.648
500	5.934	34.220	5.890	26.972	116.3	0.771
503	5.906	34.220	5.862	26.975	116.1	0.774



STATION 148 RS8





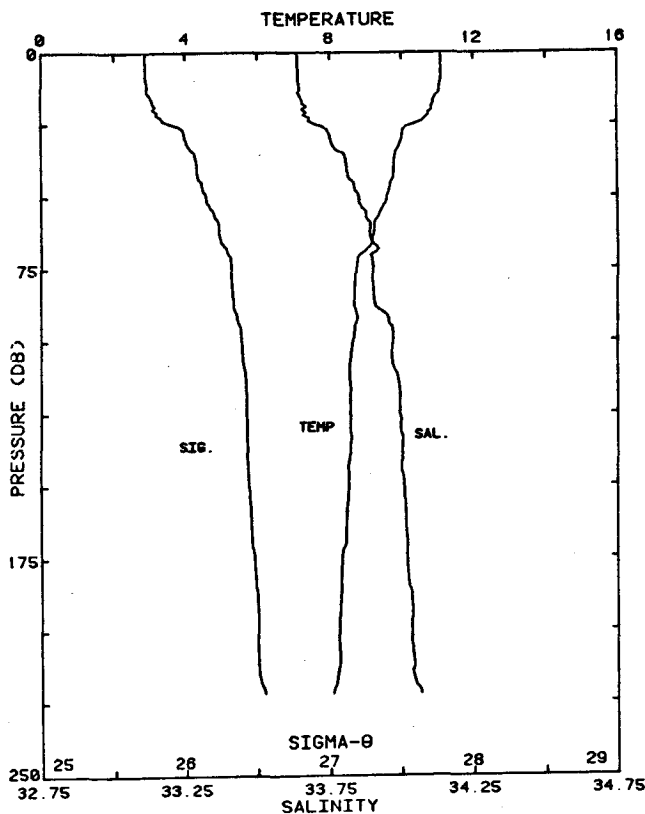
STATION 149 RS7

STA NO 149 ,RS7 LAT: 38 12.5 N LONG:123 29.7 W  
 1 JUN 1982 2354 GMT PROBE 2567 DEPTH 422M  
 39.1 KM FROM SHORE LIN INT SAL 350-351DB

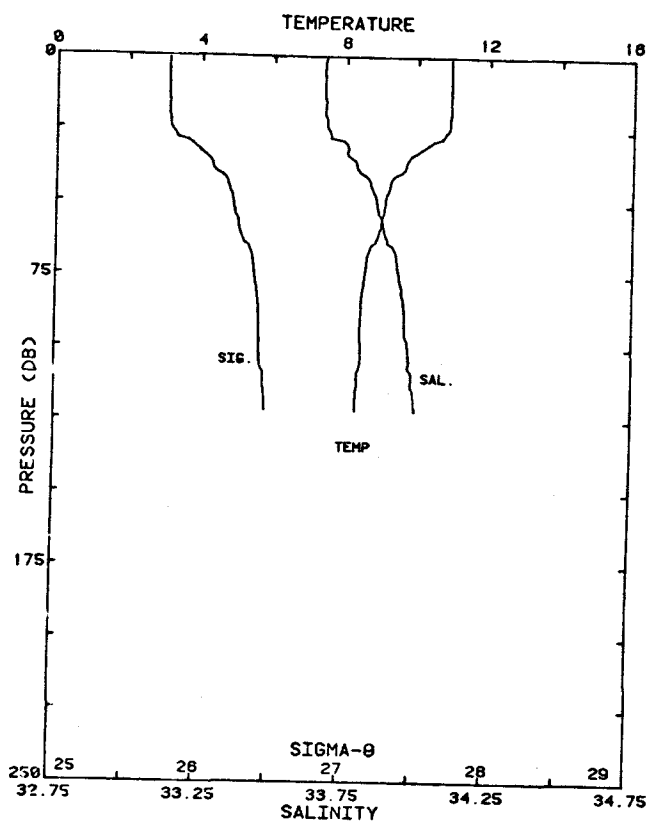
PRESS	TEMP	SAL.	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.098	33.431	12.098	25.373	261.2	0.003
10	12.103	33.433	12.102	25.373	261.4	0.026
20	11.463	33.489	11.461	25.536	246.1	0.052
30	9.571	33.791	9.568	26.100	192.7	0.074
40	9.138	33.880	9.134	26.241	179.5	0.092
50	9.021	33.902	9.016	26.276	176.4	0.110
60	8.913	33.921	8.907	26.309	173.5	0.127
70	8.852	33.934	8.845	26.329	171.8	0.145
80	8.836	33.949	8.828	26.343	170.6	0.162
90	8.798	33.946	8.789	26.346	170.5	0.179
100	8.799	33.946	8.788	26.347	170.6	0.196
110	8.797	33.946	8.786	26.347	170.8	0.213
120	8.758	33.948	8.746	26.355	170.3	0.230
130	8.709	33.962	8.695	26.374	168.6	0.247
140	8.688	33.978	8.674	26.390	167.3	0.264
150	8.628	33.995	8.612	26.413	165.3	0.280
175	8.552	34.020	8.534	26.444	162.8	0.321
200	8.487	34.037	8.467	26.468	161.0	0.362
225	8.426	34.055	8.403	26.492	159.2	0.402
250	8.315	34.064	8.290	26.516	157.4	0.442
300	7.679	34.142	7.649	26.672	143.1	0.516
400	6.914	34.190	6.877	26.819	130.3	0.652
401	6.904	34.190	6.867	26.820	130.2	0.653

STA NO 150 ,RS6 LAT: 38 13.5 N LONG:123 24.2 W  
 2 JUN 1982 0135 GMT PROBE 2567 DEPTH 239M  
 30.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.094	33.638	11.094	25.719	228.4	0.002
10	11.073	33.638	11.072	25.723	228.2	0.023
20	10.846	33.654	10.844	25.776	223.3	0.045
30	10.009	33.752	10.006	25.997	202.6	0.067
40	9.784	33.809	9.780	26.079	194.9	0.086
50	9.585	33.851	9.580	26.145	188.9	0.106
60	9.241	33.890	9.234	26.232	180.8	0.124
70	8.815	33.890	8.807	26.300	174.5	0.142
80	8.698	33.901	8.689	26.327	172.1	0.159
90	8.730	33.936	8.720	26.350	170.1	0.176
100	8.627	33.970	8.616	26.392	166.3	0.193
110	8.532	33.976	8.521	26.412	164.6	0.210
120	8.553	33.993	8.541	26.422	163.8	0.226
130	8.546	33.995	8.533	26.425	163.7	0.242
140	8.551	34.002	8.537	26.430	163.5	0.259
150	8.515	34.008	8.500	26.440	162.7	0.275
175	8.328	34.020	8.310	26.478	159.5	0.316
200	8.248	34.034	8.227	26.502	157.7	0.355
222	8.097	34.067	8.074	26.551	153.4	0.390



STATION 150 RS6



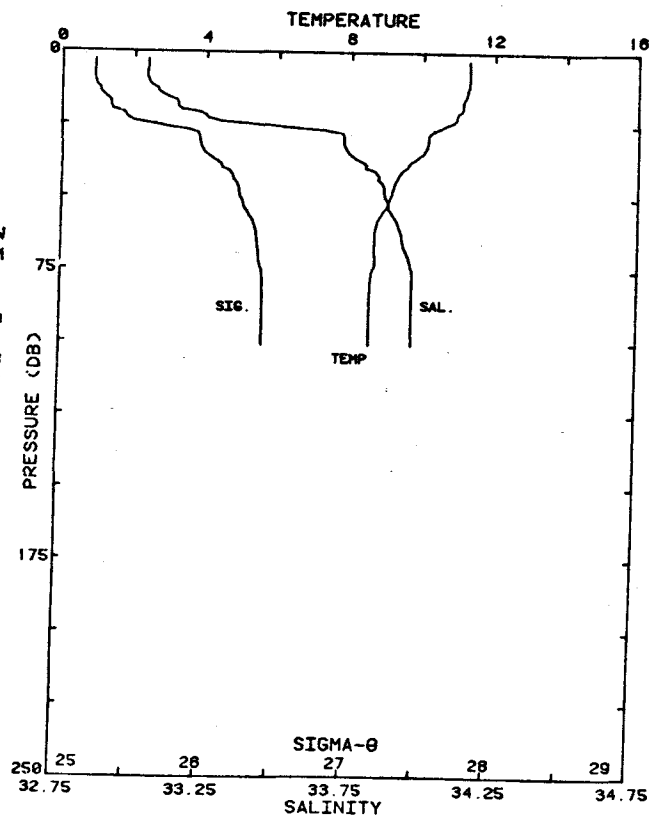
STATION 151 S4

STA NO 151 ,S4 LAT: 38 14.5 N LONG:123 19.9 W  
 2 JUN 1982 0229 GMT PROBE 2567 DEPTH 133M  
 24.4 KM FROM SHORE

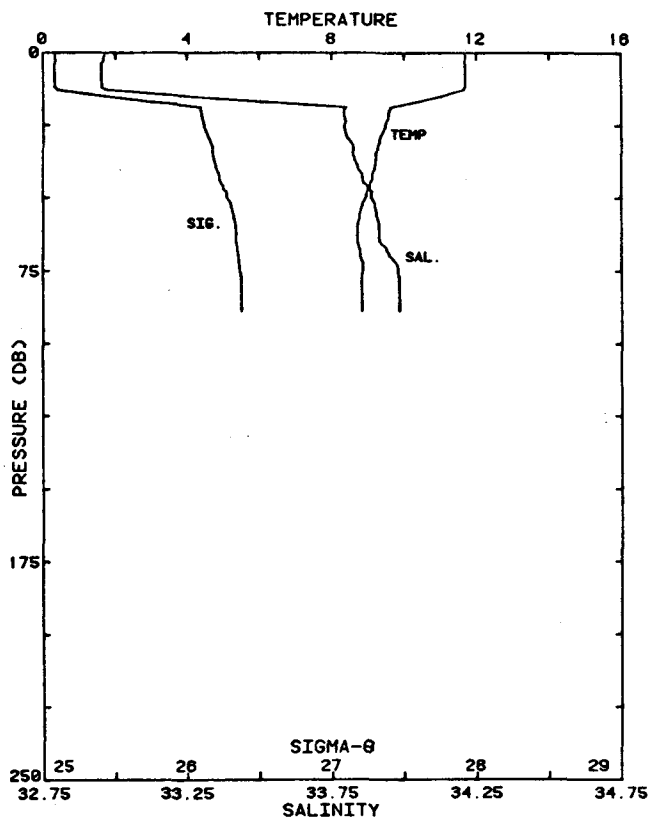
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.927	33.677	10.927	25.778	222.7	0.002
10	10.934	33.673	10.933	25.774	223.3	0.022
20	10.929	33.675	10.926	25.777	223.2	0.045
30	10.333	33.755	10.329	25.944	207.5	0.067
40	9.551	33.805	9.547	26.115	191.5	0.086
50	9.131	33.862	9.125	26.228	180.9	0.105
60	8.963	33.887	8.957	26.274	176.8	0.123
70	8.613	33.931	8.606	26.363	168.4	0.140
80	8.513	33.949	8.505	26.393	165.8	0.157
90	8.461	33.960	8.452	26.410	164.4	0.173
100	8.475	33.973	8.465	26.418	163.8	0.190
110	8.368	33.984	8.357	26.443	161.6	0.206
120	8.340	33.996	8.328	26.457	160.4	0.222
122	8.336	33.999	8.324	26.460	160.2	0.225

STA NO 152 ,RS4 LAT: 38 15.2 N LONG:123 16.3 W  
 2 JUN 1982 0326 GMT PROBE 2567 DEPTH 107M  
 19.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
3	11.279	33.049	11.279	25.228	275.1	0.008
10	11.275	33.049	11.274	25.229	275.1	0.028
20	11.079	33.164	11.077	25.353	263.5	0.054
30	10.141	33.724	10.137	25.953	206.7	0.078
40	9.547	33.800	9.542	26.112	191.8	0.098
50	9.102	33.870	9.097	26.239	179.9	0.116
60	8.721	33.917	8.714	26.336	170.9	0.134
70	8.681	33.949	8.673	26.367	168.1	0.151
80	8.580	33.968	8.572	26.398	165.4	0.167
90	8.569	33.969	8.560	26.400	165.3	0.184
100	8.565	33.970	8.555	26.402	165.4	0.201
101	8.565	33.970	8.554	26.402	165.4	0.202



STATION 152 RS4



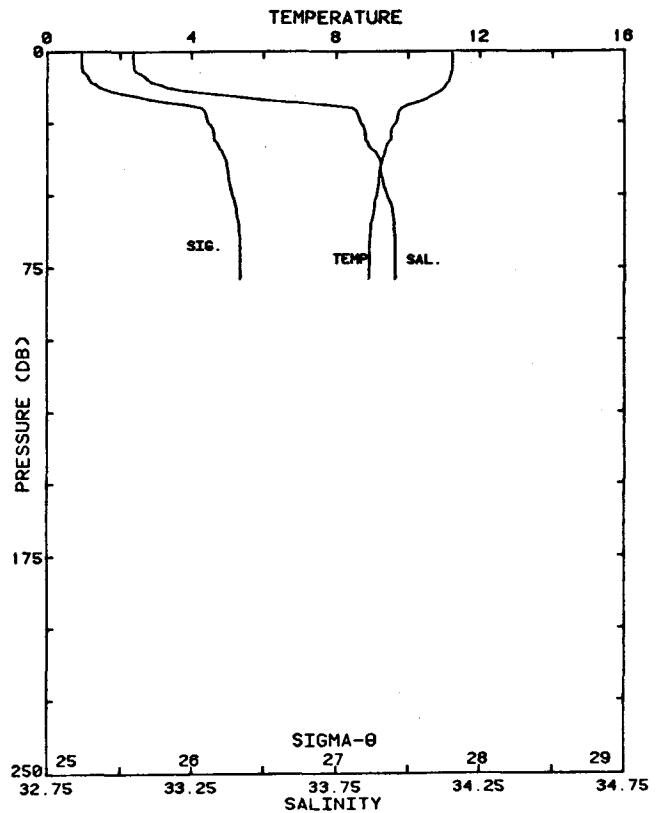
STATION 153 RS3

STA NO 153 ,RS3 LAT: 38 16.2 N LONG:123 12.3 W  
 2 JUN 1982 0405 GMT PROBE 2567 DEPTH 96M  
 12.9 KM FROM SHORE

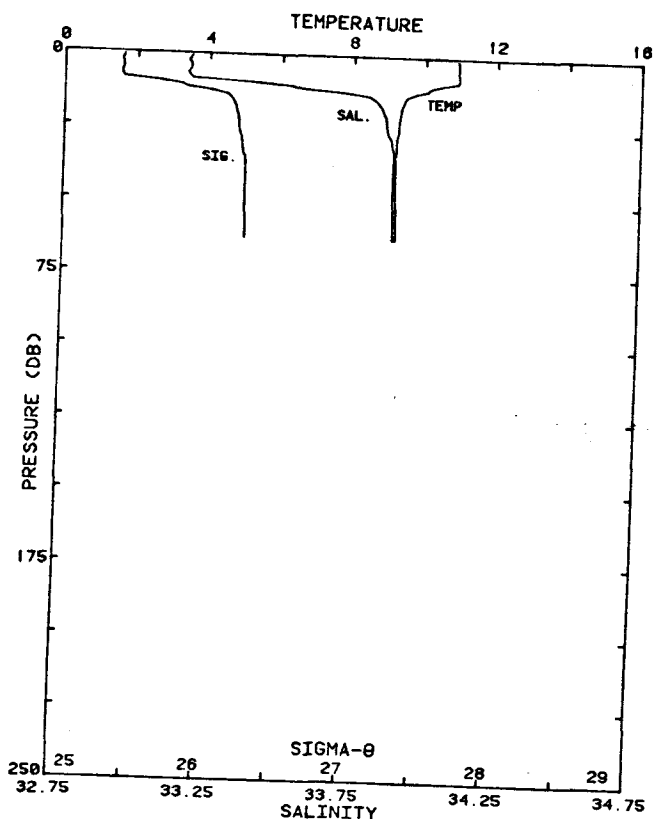
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.698	32.962	11.698	25.084	288.7	0.003
10	11.679	32.931	11.678	25.079	289.4	0.029
20	9.599	33.792	9.597	26.097	192.8	0.054
30	9.319	33.810	9.316	26.157	187.3	0.073
40	9.189	33.842	9.185	26.203	183.1	0.092
50	8.937	33.886	8.931	26.278	176.2	0.110
60	8.698	33.911	8.692	26.335	171.0	0.127
70	8.784	33.951	8.777	26.352	169.5	0.144
80	8.820	33.982	8.811	26.372	167.9	0.161
89	8.816	33.982	8.807	26.372	168.1	0.176

STA NO 154 ,RS2 LAT: 38 17.1 N LONG:123 9.0 W  
 2 JUN 1982 0441 GMT PROBE 2567 DEPTH 85M  
 7.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.225	33.046	11.225	25.236	274.3	0.003
10	11.137	33.097	11.136	25.291	269.3	0.027
20	9.817	33.808	9.815	26.073	195.1	0.052
30	9.518	33.852	9.515	26.157	187.4	0.071
40	9.223	33.904	9.219	26.245	179.1	0.089
50	9.106	33.925	9.101	26.281	175.9	0.107
60	8.951	33.949	8.944	26.324	172.0	0.124
70	8.903	33.952	8.895	26.335	171.2	0.141
79	8.894	33.953	8.885	26.337	171.2	0.157



STATION 154 RS2



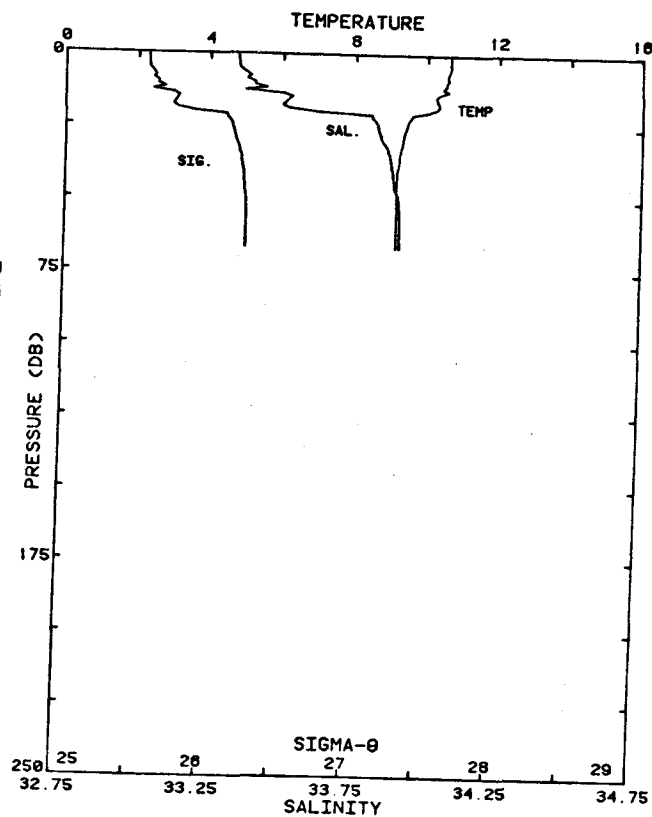
STA NO 155 ,RS1 LAT: 38 17.7 N LONG:123 6.2 W  
 2 JUN 1982 0522 GMT PROBE 2567 DEPTH 69M  
 3.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.889	33.188	10.889	25.405	258.1	0.003
10	10.416	33.415	10.415	25.665	233.7	0.026
20	9.317	33.859	9.314	26.195	183.5	0.045
30	9.227	33.887	9.224	26.231	180.2	0.064
40	9.136	33.902	9.132	26.258	177.9	0.081
50	9.137	33.903	9.131	26.259	178.1	0.099
60	9.139	33.903	9.132	26.259	178.2	0.117
63	9.139	33.902	9.133	26.258	178.4	0.122

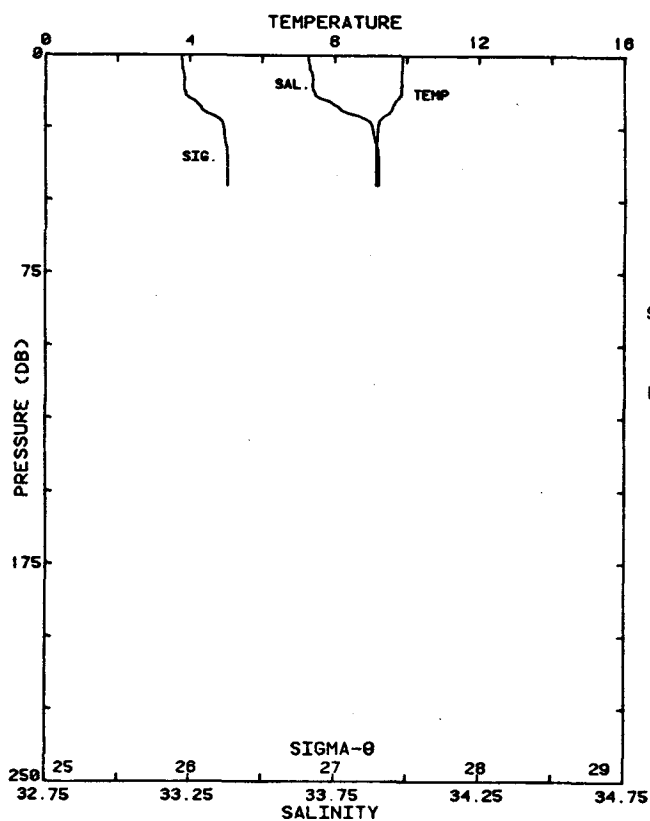
STATION 155 RS1

STA NO 156 ,B1 LAT: 38 21.3 N LONG:123 8.5 W  
 2 JUN 1982 0414 GMT PROBE 2567 DEPTH 73M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.637	33.346	10.637	25.572	242.3	0.002
10	10.514	33.405	10.513	25.640	236.0	0.024
20	10.007	33.622	10.005	25.896	211.9	0.047
30	9.332	33.844	9.329	26.181	185.0	0.066
40	9.185	33.880	9.180	26.233	180.3	0.084
50	9.165	33.903	9.160	26.254	178.5	0.102
60	9.173	33.909	9.167	26.258	178.3	0.120
67	9.173	33.909	9.166	26.258	178.5	0.132



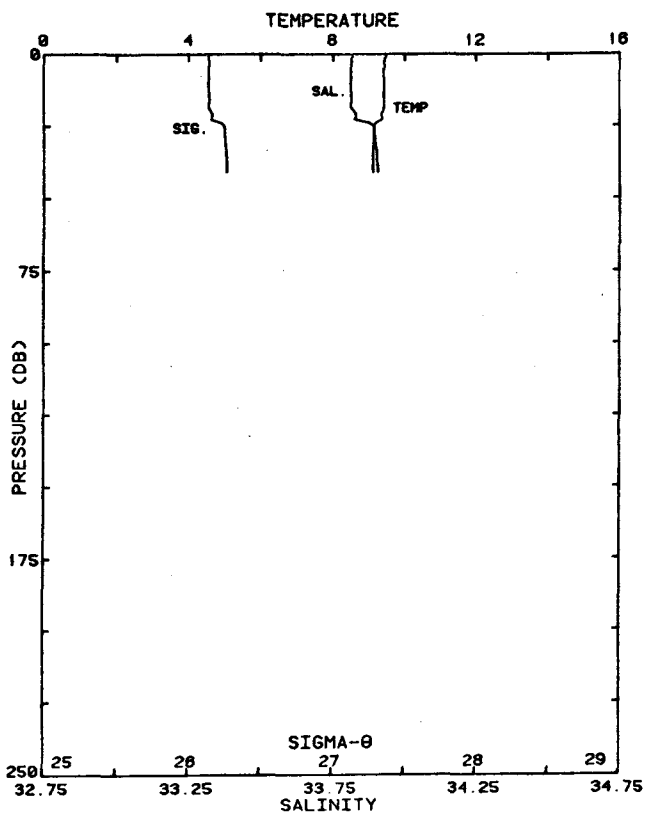
STATION 156 B1



STA NO 157 ,B2 LAT: 38 25.2 N LONG:123 10.8 W  
2 JUN 1982 0706 GMT PROBE 2567 DEPTH 54M

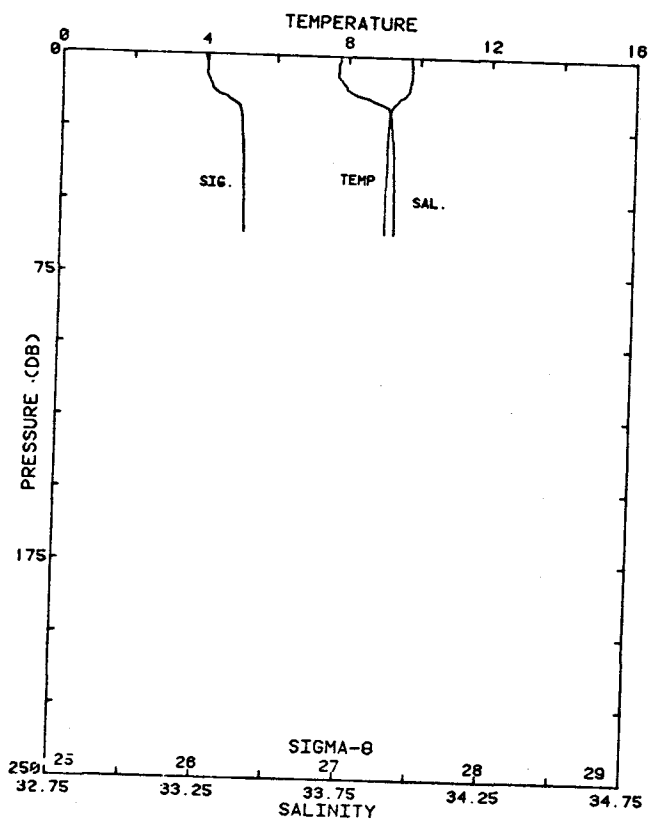
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
			TEMP	THETA		
1	9.885	33.658	9.885	25.944	206.9	0.002
10	9.857	33.471	9.856	25.959	205.7	0.021
20	9.500	33.798	9.498	26.117	190.9	0.041
30	9.165	33.890	9.162	26.244	179.0	0.059
40	9.135	33.902	9.131	26.258	177.9	0.077
45	9.135	33.900	9.130	26.257	178.1	0.085

STATION 157 B2



STA NO 158 ,ROS1 LAT: 38 28.3 N LONG:123 12.8 W  
2 JUN 1982 0744 GMT PROBE 2567 DEPTH 45M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
			TEMP	THETA		
1	9.476	33.819	9.476	26.137	188.4	0.002
10	9.426	33.813	9.425	26.141	188.4	0.019
20	9.388	33.823	9.386	26.155	187.2	0.038
30	9.128	33.898	9.125	26.256	177.9	0.056
40	9.112	33.906	9.108	26.265	177.2	0.074
41	9.112	33.906	9.107	26.265	177.3	0.075



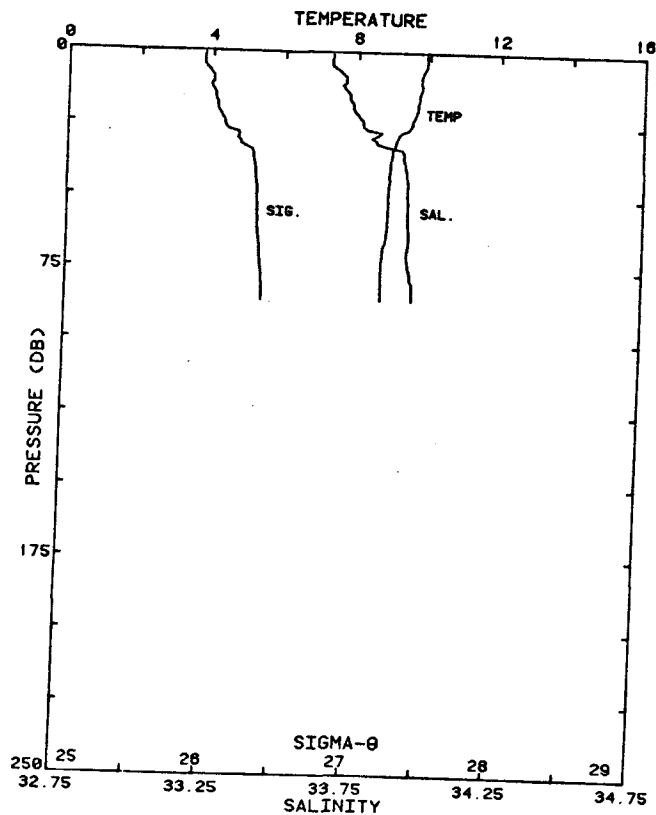
STATION 159 RS

STA NO 159 ,R2 LAT: 38 26.9 N LONG:123 13.5 W  
2 JUN 1982 0811 GHT PROBE 2567 DEPTH 65M

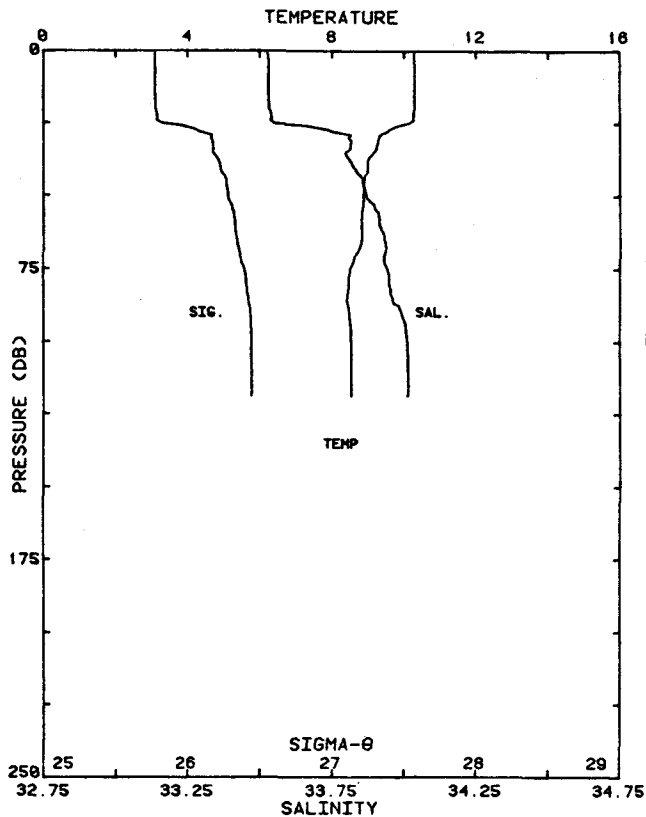
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.748	33.720	9.748	26.016	200.1	0.002
10	9.709	33.732	9.708	26.032	198.8	0.020
20	9.140	33.894	9.138	26.251	178.1	0.039
30	9.086	33.907	9.083	26.270	176.6	0.057
40	9.081	33.910	9.076	26.273	176.5	0.074
50	9.058	33.914	9.053	26.280	176.1	0.092
60	9.053	33.915	9.047	26.282	176.1	0.110
61	9.053	33.915	9.047	26.282	176.1	0.111

STA NO 160 ,R3 LAT: 38 24.7 N LONG:123 16.1 W  
2 JUN 1982 0847 GHT PROBE 2567 DEPTH 93M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.915	33.661	9.915	25.942	207.1	0.002
10	9.771	33.708	9.769	26.002	201.6	0.021
20	9.681	33.736	9.678	26.039	198.3	0.041
30	9.141	33.803	9.138	26.180	185.1	0.060
40	8.955	33.924	8.951	26.304	173.6	0.077
50	8.896	33.931	8.891	26.319	172.3	0.095
60	8.886	33.934	8.879	26.323	172.1	0.112
70	8.757	33.929	8.750	26.340	170.7	0.129
80	8.737	33.951	8.728	26.360	169.0	0.146
86	8.741	33.953	8.732	26.361	169.0	0.156



STATION 160 R3

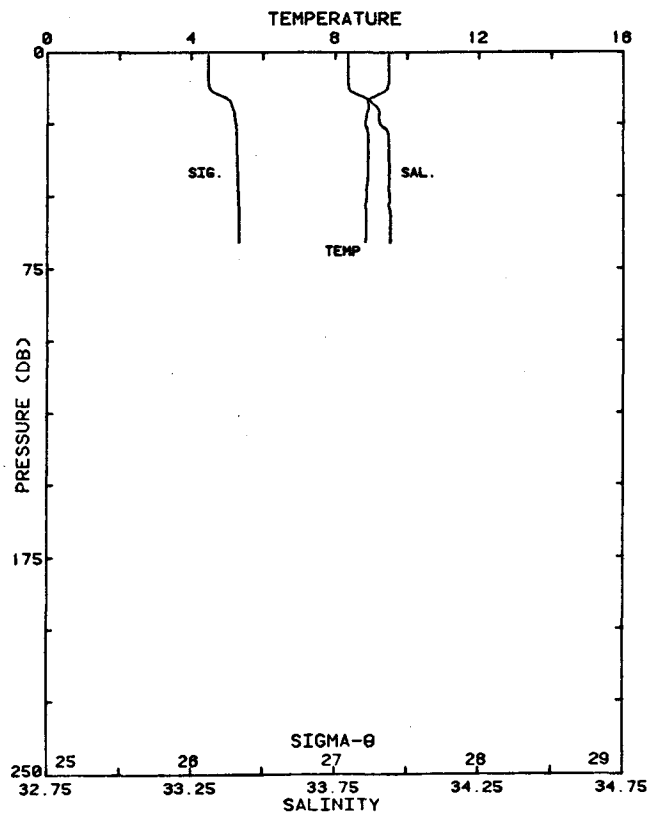


STA NO 161 ,R4 LAT: 38 21.5 N LONG:123 23.5 W  
2 JUN 1982 0942 GMT PROBE 2567 DEPTH 127M

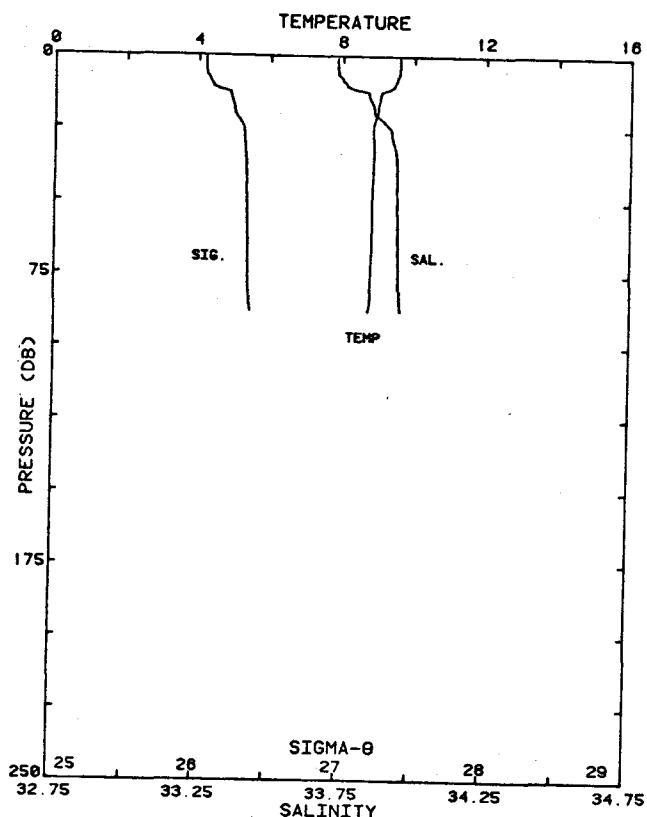
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	10.279	33.527	10.278	25.776	222.9	0.002
10	10.285	33.528	10.284	25.775	223.2	0.022
20	10.280	33.529	10.277	25.777	223.2	0.045
30	9.285	33.807	9.282	26.160	187.1	0.066
40	8.978	33.824	8.974	26.222	181.3	0.084
50	8.862	33.867	8.857	26.275	176.5	0.102
60	8.802	33.913	8.796	26.320	172.4	0.119
70	8.654	33.931	8.647	26.357	169.1	0.136
80	8.464	33.948	8.456	26.400	165.2	0.153
90	8.477	33.989	8.467	26.430	162.5	0.169
100	8.533	34.011	8.523	26.439	161.9	0.186
110	8.533	34.013	8.522	26.441	161.9	0.202
119	8.533	34.012	8.521	26.440	162.1	0.216

STA NO 162 ,COC2 LAT: 38 39.0 N LONG:123 27.0 W  
2 JUN 1982 1209 GMT PROBE 2567 DEPTH 76M  
3.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	9.475	33.794	9.475	26.118	190.4	0.002
10	9.481	33.793	9.480	26.117	190.7	0.019
20	8.921	33.898	8.919	26.288	174.6	0.037
30	8.921	33.935	8.918	26.318	172.0	0.055
40	8.908	33.938	8.904	26.322	171.8	0.072
50	8.864	33.938	8.859	26.330	171.3	0.089
60	8.860	33.942	8.854	26.333	171.1	0.106
66	8.838	33.940	8.831	26.335	171.1	0.116



STATION 162 COC2



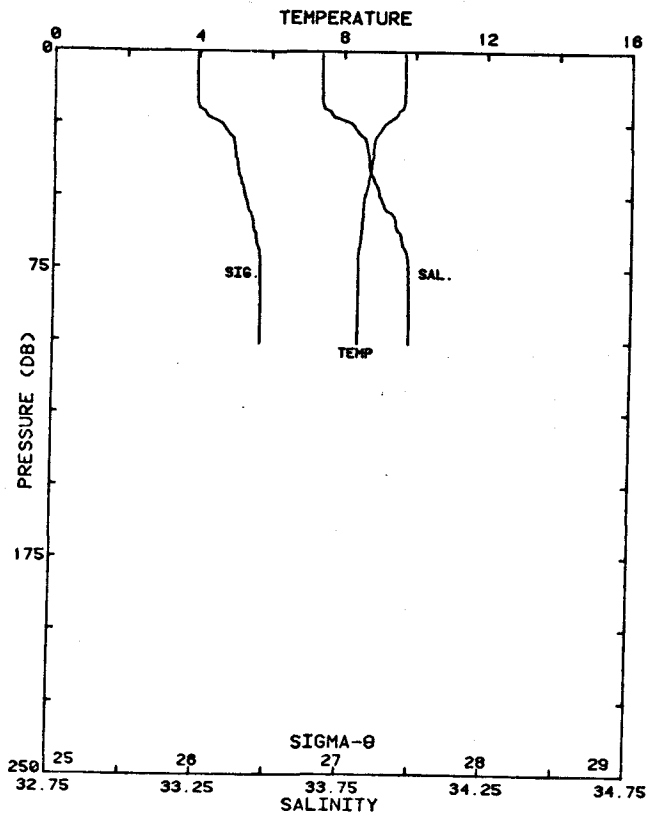
STATION 163 COC3

STA NO 163 ,COC3 LAT: 38 37.4 N LONG:123 28.9 W  
 2 JUN 1982 1256 GMT PROBE 2567 DEPTH 96M  
 7.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.590	33.731	9.590	26.050	196.8	0.002
10	9.454	33.762	9.453	26.097	192.6	0.020
20	8.976	33.861	8.974	26.251	178.1	0.038
30	8.871	33.929	8.868	26.321	171.7	0.055
40	8.856	33.940	8.852	26.332	170.8	0.072
50	8.832	33.943	8.827	26.338	170.5	0.089
60	8.826	33.944	8.820	26.340	170.5	0.106
70	8.809	33.946	8.801	26.345	170.2	0.123
80	8.783	33.948	8.775	26.351	169.9	0.140
88	8.721	33.952	8.712	26.364	168.8	0.154

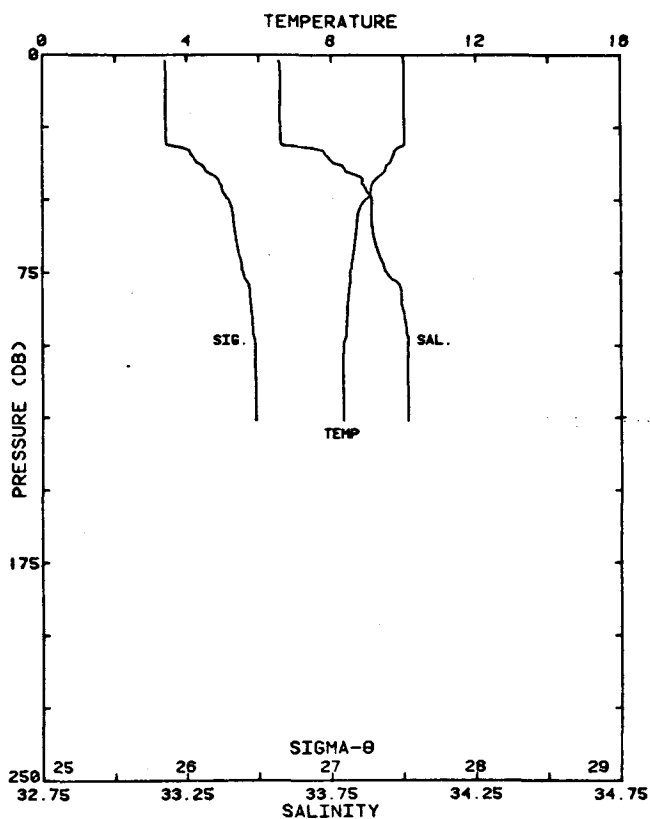
STA NO 164 ,COC4 LAT: 38 36.2 N LONG:123 30.8 W  
 2 JUN 1982 1329 GMT PROBE 2567 DEPTH 113M  
 11.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.712	33.673	9.712	25.985	203.1	0.002
10	9.716	33.673	9.715	25.984	203.3	0.020
20	9.651	33.682	9.649	26.002	201.8	0.041
30	8.889	33.826	8.886	26.237	179.6	0.060
40	8.773	33.840	8.769	26.267	177.0	0.077
50	8.606	33.877	8.600	26.322	172.0	0.095
60	8.526	33.932	8.520	26.377	166.9	0.112
70	8.420	33.971	8.413	26.424	162.7	0.128
80	8.423	33.978	8.415	26.430	162.3	0.144
90	8.430	33.981	8.421	26.431	162.4	0.161
100	8.425	33.983	8.415	26.434	162.4	0.177
101	8.423	33.983	8.413	26.434	162.4	0.179



STATION 164 COC4





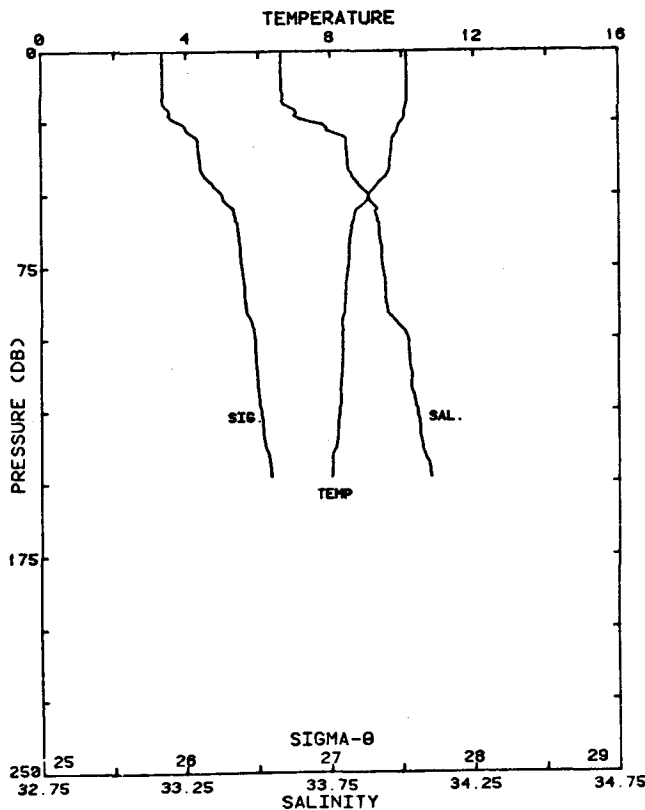
STATION 165 COC5

STA NO 165 ,COC5 LAT: 38 34.6 N LONG:123 33.4 W  
 2 JUN 1982 1404 GHT PROBE 2567 DEPTH 137M  
 15.8 KM FROM SHORE

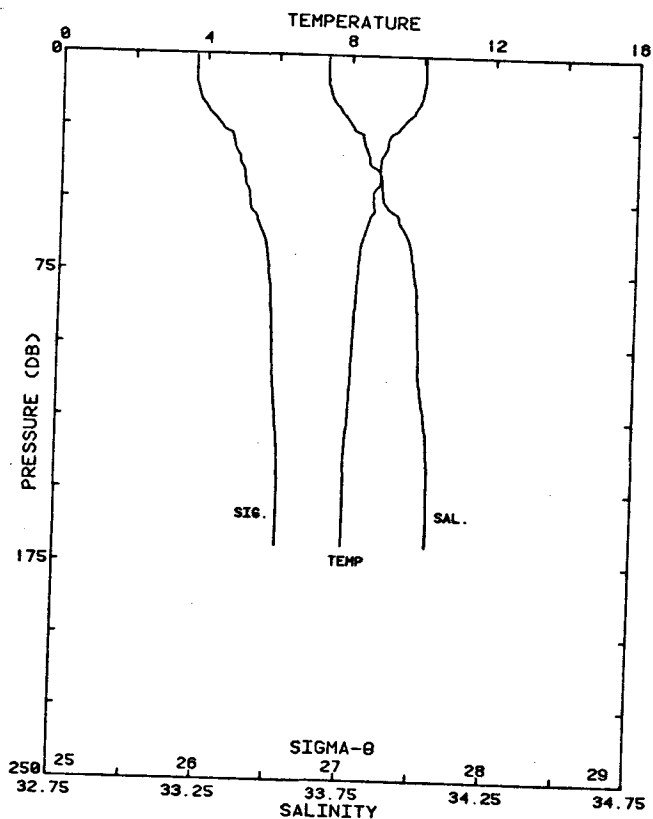
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
2	10.013	33.567	10.013	25.851	215.7	0.004
10	10.011	33.572	10.010	25.856	215.4	0.022
20	10.013	33.570	10.010	25.855	215.8	0.043
30	10.009	33.571	10.005	25.856	215.9	0.065
40	9.458	33.799	9.454	26.126	190.5	0.085
50	8.902	33.888	8.897	26.285	175.6	0.103
60	8.664	33.890	8.658	26.323	172.1	0.120
70	8.564	33.918	8.557	26.361	168.7	0.137
80	8.488	33.989	8.480	26.428	162.5	0.154
90	8.435	34.002	8.425	26.447	160.9	0.170
100	8.334	34.014	8.323	26.471	158.7	0.186
110	8.324	34.013	8.312	26.472	158.8	0.202
120	8.320	34.014	8.308	26.474	158.9	0.218
126	8.317	34.014	8.304	26.475	150.9	0.227

STA NO 166 ,COC6 LAT: 38 32.6 N LONG:123 36.3 W  
 2 JUN 1982 1448 GHT PROBE 2567 DEPTH 155M  
 21.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.144	33.577	10.144	25.837	217.1	0.002
10	10.142	33.577	10.141	25.838	217.2	0.022
20	10.119	33.607	10.117	25.865	214.8	0.043
30	9.789	33.796	9.786	26.068	195.8	0.064
40	9.658	33.811	9.654	26.102	192.7	0.083
50	9.067	33.885	9.062	26.255	178.4	0.102
60	8.606	33.921	8.599	26.356	168.9	0.120
70	8.519	33.928	8.512	26.375	167.3	0.136
80	8.427	33.940	8.419	26.399	165.2	0.153
90	8.373	33.947	8.364	26.413	164.0	0.169
100	8.335	34.021	8.325	26.477	158.2	0.185
110	8.315	34.029	8.303	26.487	157.5	0.201
120	8.274	34.042	8.262	26.503	156.1	0.217
130	8.194	34.060	8.181	26.529	153.8	0.232
140	8.047	34.077	8.033	26.565	150.6	0.248
148	8.022	34.098	8.007	26.585	148.8	0.260



STATION 166 COC6



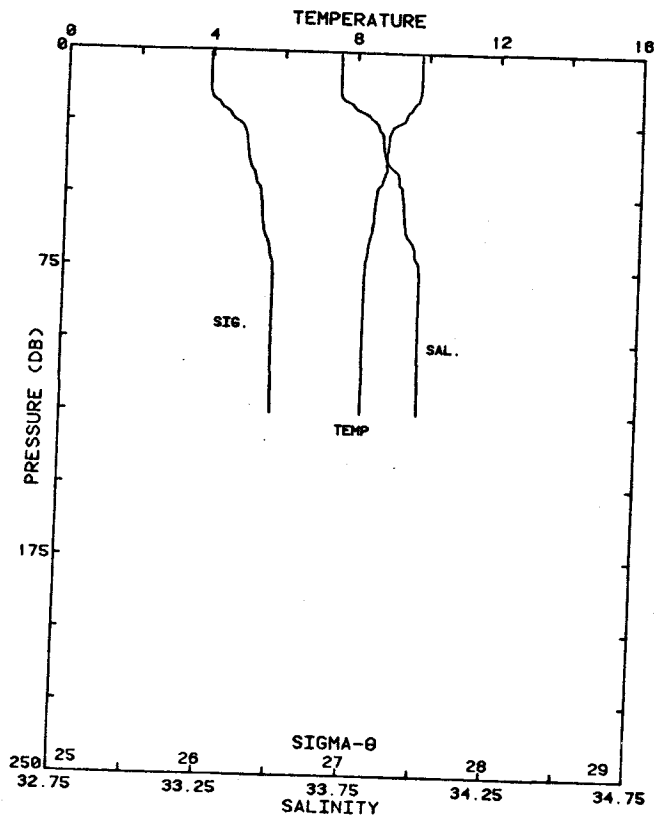
STATION 167 NOR4

STA NO 167 ,NOR4 LAT: 38 44.7 N LONG:123 47.5 W  
 2 JUN 1982 1657 GMT PROBE 2567 DEPTH 176M  
 17.1 KM FROM SHORE

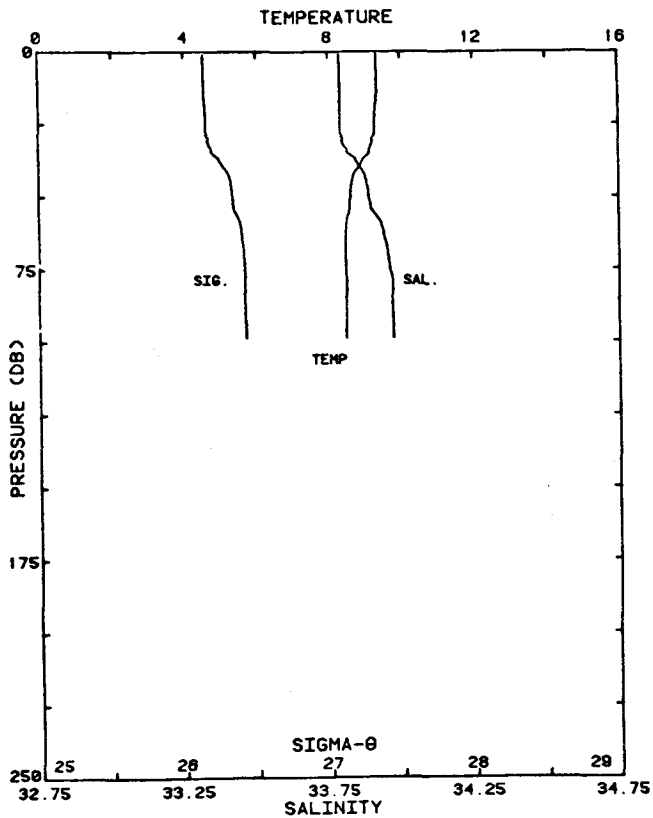
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.051	33.669	10.051	25.925	208.8	0.002
10	10.041	33.670	10.040	25.927	208.7	0.021
20	9.741	33.721	9.739	26.018	200.3	0.041
30	9.030	33.798	9.027	26.194	183.8	0.061
40	8.838	33.853	8.834	26.267	177.0	0.079
50	8.655	33.867	8.649	26.307	173.4	0.096
60	8.477	33.941	8.471	26.392	165.5	0.113
70	8.308	33.972	8.300	26.443	160.9	0.129
80	8.245	33.991	8.237	26.467	158.8	0.145
90	8.193	33.997	8.184	26.480	157.7	0.161
100	8.175	34.000	8.164	26.485	157.4	0.177
110	8.139	34.004	8.128	26.494	156.8	0.193
120	8.100	34.018	8.088	26.510	155.4	0.208
130	8.048	34.035	8.035	26.531	153.5	0.224
140	8.009	34.042	7.995	26.543	152.6	0.239
150	8.007	34.042	7.992	26.544	152.7	0.254
169	8.010	34.042	7.993	26.543	153.1	0.283

STA NO 168 ,NOR3 LAT: 38 46.5 N LONG:123 45.0 W  
 2 JUN 1982 1732 GMT PROBE 2567 DEPTH 129M  
 12.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.799	33.692	9.798	25.985	203.0	0.002
10	9.789	33.693	9.788	25.988	202.9	0.020
20	9.524	33.750	9.522	26.076	194.8	0.040
30	8.919	33.844	8.916	26.247	178.7	0.059
40	8.876	33.877	8.872	26.279	175.9	0.077
50	8.604	33.917	8.599	26.354	169.0	0.094
60	8.523	33.928	8.517	26.375	167.2	0.111
70	8.389	33.964	8.382	26.423	162.7	0.127
80	8.328	33.982	8.320	26.447	160.6	0.143
90	8.326	33.983	8.317	26.449	160.7	0.159
100	8.326	33.984	8.316	26.450	160.8	0.175
110	8.326	33.984	8.314	26.450	160.9	0.191
120	8.314	33.986	8.302	26.453	160.8	0.208
125	8.310	33.987	8.297	26.454	160.8	0.216



STATION 168 NOR3



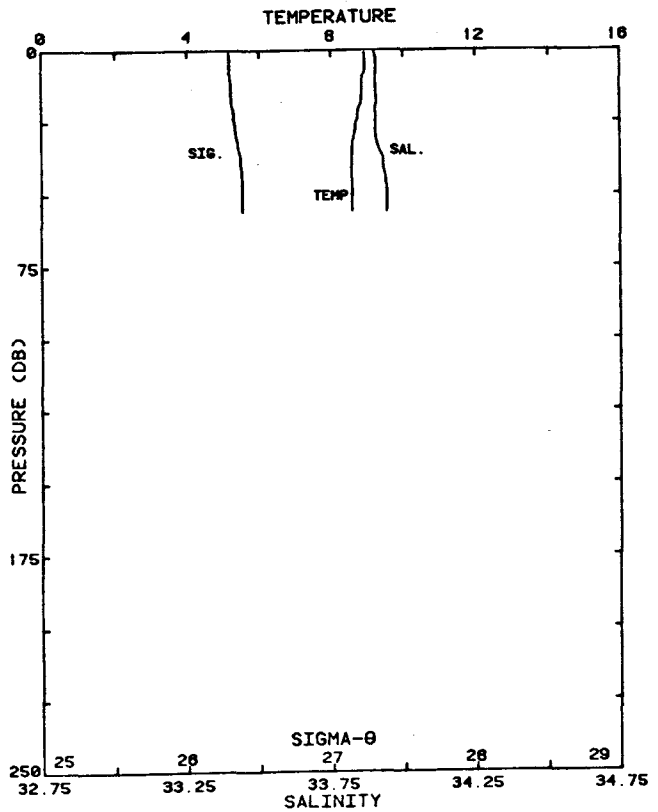
STATION 169 NOR2

STA NO 169 ,NOR2 LAT: 38 48.1 N LONG:123 42.7 W  
 2 JUN 1982 1805 GMT PROBE 2567 DEPTH 103M  
 7.8 KM FROM SHORE

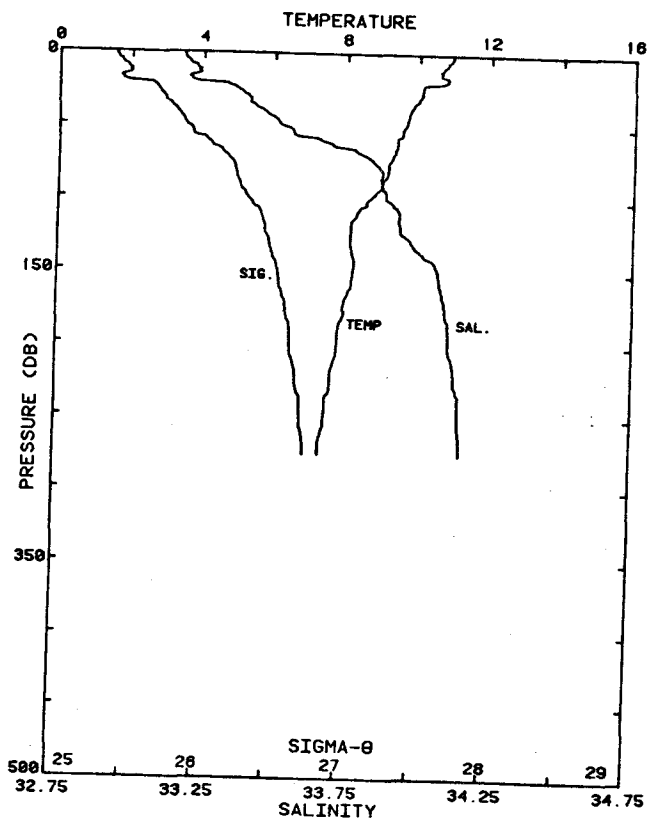
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	9.350	33.789	9.350	26.135	188.8	0.002
10	9.342	33.790	9.340	26.137	188.8	0.019
20	9.298	33.789	9.295	26.144	188.4	0.038
30	9.209	33.802	9.206	26.168	186.2	0.057
40	8.844	33.859	8.840	26.271	176.6	0.075
50	8.599	33.889	8.594	26.333	171.0	0.092
60	8.468	33.932	8.462	26.387	166.0	0.109
70	8.440	33.951	8.433	26.406	164.4	0.125
80	8.464	33.966	8.455	26.414	163.8	0.142
90	8.459	33.969	8.450	26.417	163.7	0.158
99	8.440	33.969	8.429	26.420	163.6	0.173

STA NO 170 ,NOR1 LAT: 38 50.0 N LONG:123 40.0 W  
 2 JUN 1982 1841 GMT PROBE 2567 DEPTH 60M  
 2.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	8.930	33.901	8.930	26.289	174.1	0.002
10	8.878	33.906	8.877	26.301	173.1	0.017
20	8.789	33.903	8.787	26.314	172.2	0.035
30	8.634	33.906	8.631	26.340	169.8	0.052
40	8.560	33.930	8.556	26.370	167.2	0.069
50	8.573	33.941	8.568	26.377	166.7	0.085
56	8.569	33.940	8.563	26.377	166.9	0.095



STATION 170 NOR1

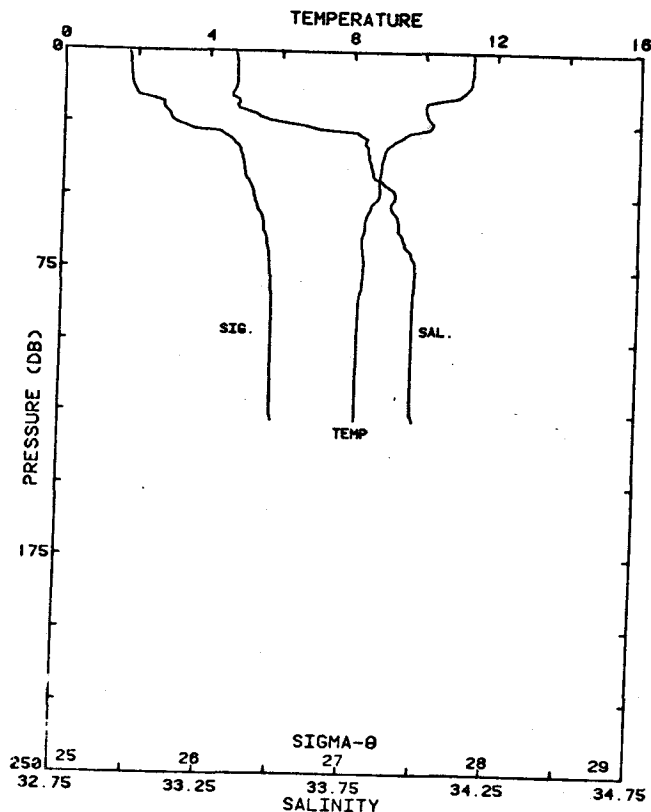


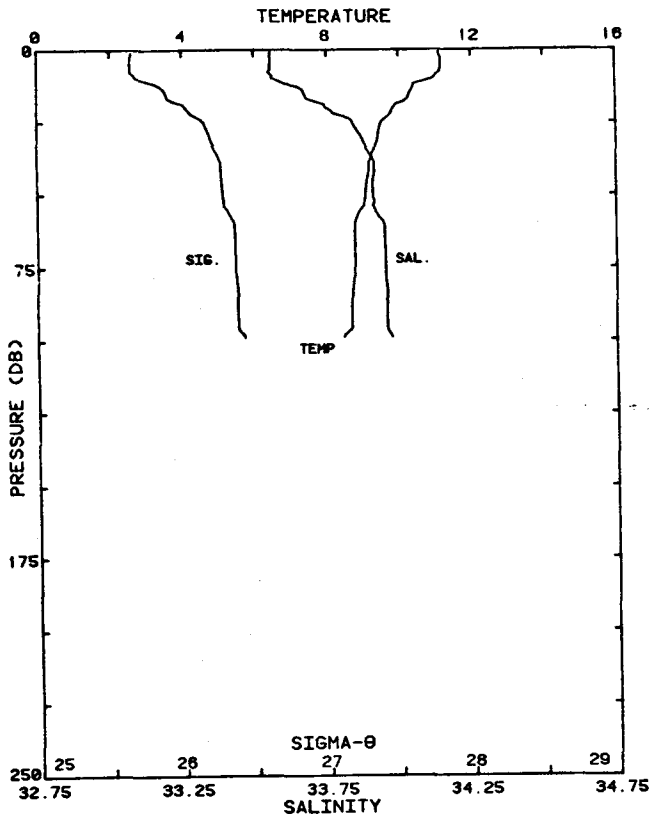
STA NO 171 ,AR4 LAT: 38 53.7 N LONG:123 56.2 W  
 2 JUN 1982 2017 GMT PROBE 2567 DEPTH 285M  
 18.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.924	33.184	10.924	25.396	259.0	0.003
10	10.657	33.226	10.656	25.476	251.6	0.026
20	10.653	33.233	10.651	25.482	251.2	0.051
30	10.022	33.409	10.018	25.728	228.1	0.074
40	9.742	33.464	9.738	25.817	219.8	0.097
50	9.618	33.531	9.612	25.890	213.1	0.118
60	9.401	33.667	9.394	26.032	199.8	0.139
70	9.294	33.816	9.286	26.166	187.3	0.158
80	9.181	33.874	9.173	26.229	181.4	0.177
90	8.996	33.877	8.987	26.262	178.6	0.195
100	8.649	33.889	8.639	26.326	172.6	0.212
110	8.321	33.938	8.309	26.414	164.3	0.229
120	8.156	33.941	8.144	26.442	161.9	0.245
130	8.147	33.981	8.134	26.475	158.9	0.261
140	8.229	34.027	8.215	26.499	156.9	0.277
150	8.228	34.075	8.212	26.536	153.5	0.293
175	7.961	34.100	7.943	26.596	148.2	0.331
200	7.822	34.114	7.802	26.628	145.6	0.367
225	7.647	34.137	7.625	26.672	141.8	0.403
250	7.491	34.153	7.467	26.707	138.8	0.438
276	7.356	34.161	7.330	26.733	136.8	0.474

STA NO 172 ,AR3 LAT: 38 54.9 N LONG:123 52.6 W  
 2 JUN 1982 2106 GMT PROBE 2567 DEPTH 133M  
 12.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.336	33.338	11.336	25.442	254.7	0.003
10	11.274	33.343	11.273	25.457	253.4	0.025
20	10.013	33.351	10.011	25.684	232.0	0.050
30	9.332	33.798	9.328	26.145	188.4	0.072
40	8.792	33.815	8.788	26.244	179.1	0.090
50	8.742	33.898	8.737	26.318	172.4	0.107
60	8.366	33.913	8.360	26.387	166.0	0.124
70	8.336	33.961	8.329	26.430	162.1	0.141
80	8.313	33.973	8.305	26.442	161.1	0.157
90	8.216	33.969	8.207	26.454	160.2	0.173
100	8.209	33.968	8.199	26.455	160.2	0.189
110	8.202	33.969	8.191	26.456	160.3	0.205
120	8.197	33.969	8.185	26.458	160.4	0.221
128	8.189	33.978	8.176	26.466	159.7	0.234





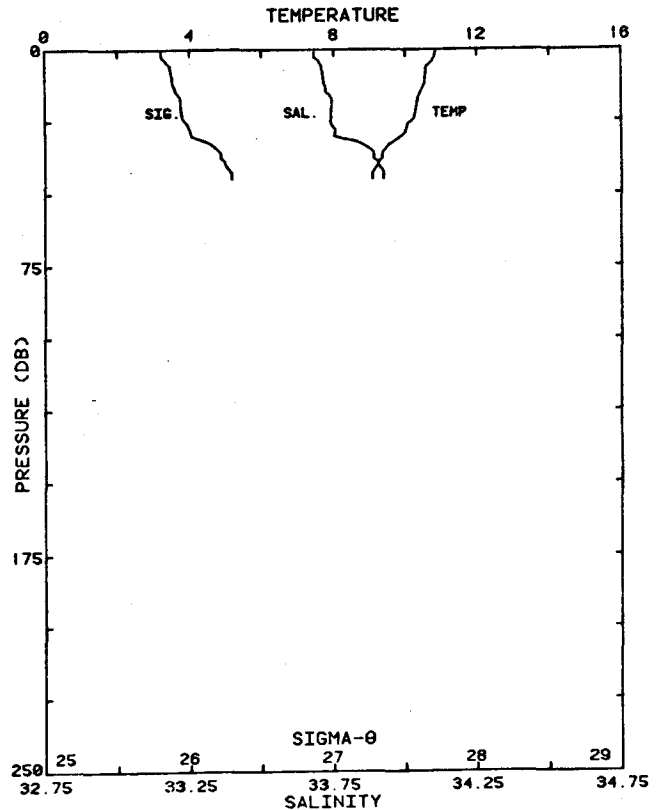
STATION 173 AR2

STA NO 173 ,AR2 LAT: 38 55.8 N LONG:123 49.3 W  
 2 JUN 1982 2145 GMT PROBE 2567 DEPTH 100M  
 7.4 KM FROM SHORE

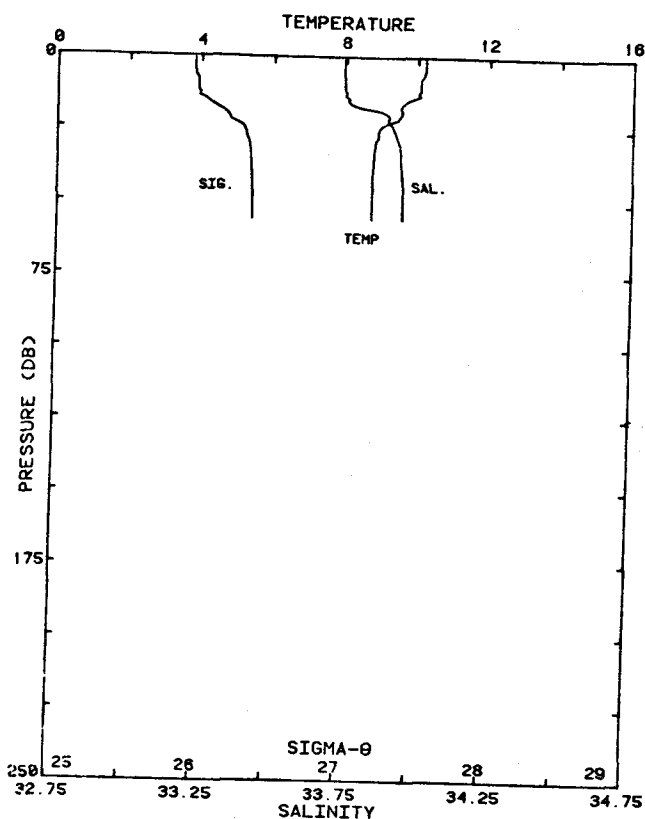
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.114	33.557	11.114	25.652	234.7	0.002
10	10.972	33.560	10.971	25.680	232.2	0.024
20	9.835	33.746	9.832	26.022	199.9	0.045
30	9.409	33.868	9.405	26.187	184.4	0.064
40	9.158	33.913	9.153	26.263	177.4	0.082
50	9.057	33.909	9.052	26.276	176.4	0.100
60	8.756	33.946	8.750	26.353	169.3	0.117
70	8.743	33.949	8.735	26.357	169.0	0.134
80	8.692	33.951	8.684	26.367	168.3	0.151
90	8.652	33.955	8.643	26.376	167.6	0.168
99	8.423	33.971	8.413	26.424	163.2	0.183

STA NO 174 ,AR1 LAT: 38 57.0 N LONG:123 46.0 W  
 2 JUN 1982 2222 GMT PROBE 2567 DEPTH 49M  
 2.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.837	33.682	10.836	25.799	220.7	0.002
10	10.527	33.714	10.525	25.878	213.4	0.022
20	10.295	33.742	10.292	25.940	207.7	0.043
30	9.893	33.749	9.890	26.014	200.9	0.063
40	9.216	33.903	9.212	26.246	179.1	0.082
45	9.044	33.921	9.039	26.288	175.2	0.091

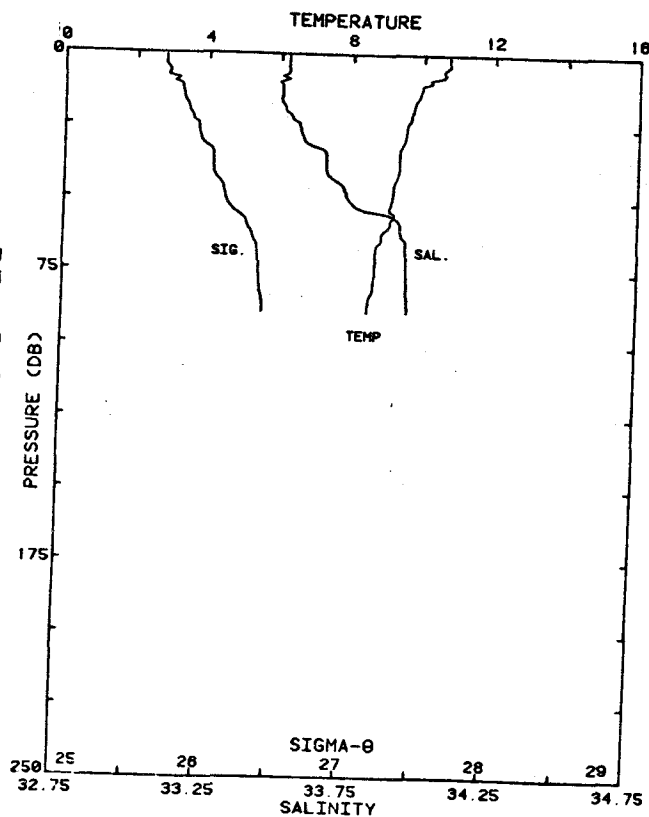


STATION 174 AR1



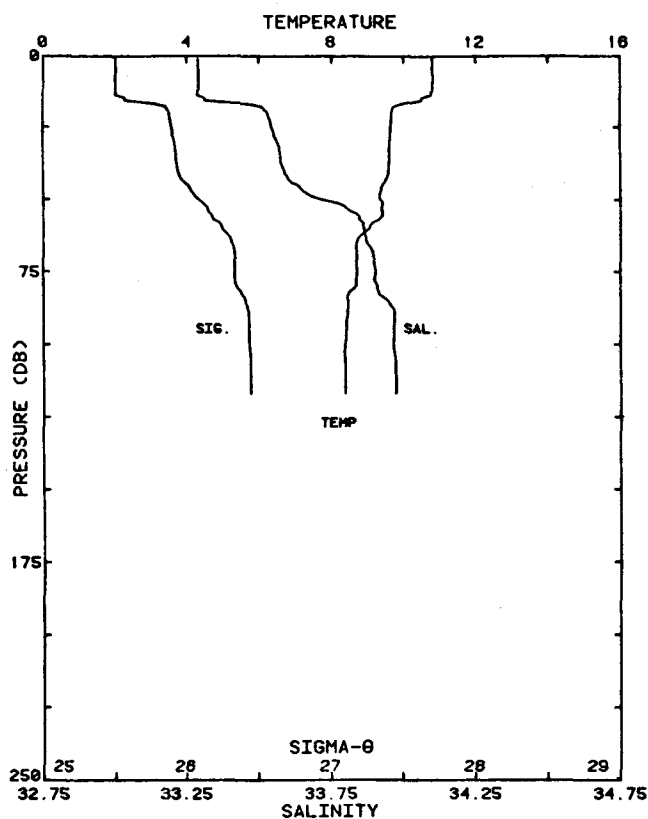
STA NO 175 ,IR1 LAT: 39 3.0 N LONG:123 44.5 W  
 2 JUN 1982 2320 GMT PROBE 2567 DEPTH 60M  
 4.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.211	33.743	10.211	25.955	205.9	0.002
10	10.083	33.746	10.082	25.979	203.8	0.021
20	9.573	33.896	9.571	26.182	184.8	0.040
30	8.835	33.940	8.832	26.335	170.4	0.058
40	8.780	33.950	8.776	26.352	168.9	0.075
50	8.758	33.952	8.753	26.357	168.7	0.092
56	8.756	33.952	8.750	26.357	168.8	0.102



STA NO 176 ,IR2 LAT: 39 3.0 N LONG:123 48.6 W  
 2 JUN 1982 2354 GMT PROBE 2567 DEPTH 93M  
 10.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.698	33.526	10.698	25.702	230.0	0.002
10	10.210	33.495	10.209	25.763	224.4	0.023
20	9.696	33.517	9.694	25.866	214.7	0.045
30	9.470	33.583	9.467	25.955	206.5	0.066
40	9.336	33.664	9.331	26.040	198.6	0.086
50	9.157	33.742	9.152	26.130	190.3	0.105
60	9.060	33.926	9.054	26.289	175.4	0.123
70	8.727	33.948	8.720	26.359	168.9	0.140
80	8.666	33.951	8.657	26.371	167.9	0.157
89	8.525	33.954	8.516	26.395	165.8	0.172

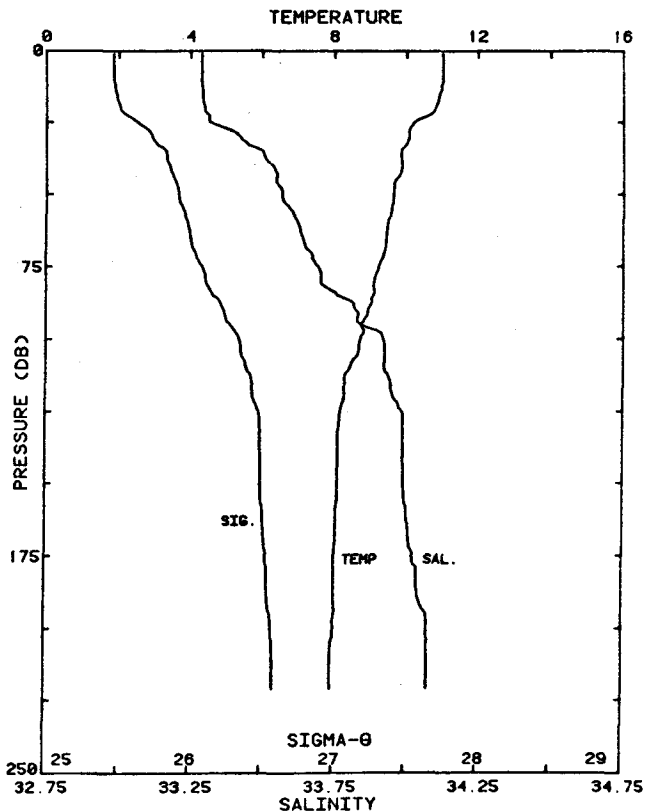


STA NO 177 ,IR3 LAT: 39 2.9 N LONG:123 53.1 W  
3 JUN 1982 0037 GMT PROBE 2567 DEPTH 120M  
16.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.803	33.289	10.803	25.499	249.2	0.002
10	10.804	33.291	10.802	25.501	249.3	0.025
20	9.671	33.530	9.669	25.880	213.4	0.049
30	9.623	33.562	9.619	25.913	210.5	0.070
40	9.583	33.585	9.578	25.938	208.3	0.091
50	9.337	33.717	9.331	26.081	194.9	0.111
60	9.043	33.862	9.036	26.242	179.8	0.130
70	8.681	33.896	8.674	26.326	172.0	0.147
80	8.670	33.910	8.662	26.338	171.1	0.164
90	8.424	33.969	8.415	26.423	163.2	0.181
100	8.364	33.965	8.354	26.429	162.8	0.197
110	8.358	33.972	8.347	26.436	162.3	0.213
117	8.360	33.972	8.348	26.435	162.5	0.225

STA NO 178 ,IR4 LAT: 39 3.0 N LONG:123 56.5 W  
3 JUN 1982 0112 GMT PROBE 2567 DEPTH 245M  
21.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.999	33.288	10.999	25.464	252.6	0.003
10	10.995	33.287	10.994	25.464	252.8	0.025
20	10.775	33.299	10.773	25.512	248.4	0.050
30	10.051	33.422	10.047	25.733	227.6	0.074
40	9.860	33.535	9.856	25.853	216.4	0.096
50	9.621	33.565	9.615	25.916	210.6	0.118
60	9.484	33.623	9.477	25.984	204.4	0.138
70	9.381	33.668	9.373	26.036	199.6	0.159
80	9.105	33.701	9.097	26.107	193.1	0.178
90	8.924	33.824	8.914	26.232	181.4	0.197
100	8.712	33.921	8.701	26.341	171.2	0.215
110	8.407	33.924	8.395	26.390	166.6	0.232
120	8.268	33.956	8.256	26.436	162.4	0.248
130	8.133	33.990	8.120	26.484	158.1	0.264
140	8.105	33.991	8.091	26.489	157.8	0.280
150	8.099	33.992	8.084	26.491	157.8	0.295
175	8.020	34.026	8.003	26.530	154.5	0.335
200	8.012	34.076	7.992	26.571	151.1	0.373
221	7.937	34.077	7.915	26.583	150.3	0.404



## ACKNOWLEDGMENTS

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