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**Hydrographic Data from the First
Coastal Ocean Dynamics Experiment:
Leg 4, 25 April - 7 May 1981**

by

Jane Fleischbein
William E. Gilbert
Adriana Huyer

Data Report 92
Reference 82-2

Code Technical Report No. 5

National Science Foundation
OCE-8014939 and OCE-8026131

School of Oceanography
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Corvallis, Oregon 97331

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ABSTRACT

CTD observations were made in the Code region near Pt Arena on the northern California coast at 39°N, off Purisima Pt. at 34°45'N and off Crescent City at 41°54'N, during 25 April - 7 May 1981. The observations in the Code region included four repeated sections along the Central Line, two mesoscale surveys of the shelf-slope region, and two alongshore sections. The maximum sampling depth was 1000 m. This data report includes vertical sections, mesoscale maps and offshore profiles to summarize the data, and vertical profile plots and listings of the data at standard depths for each of the 154 CTD stations.

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INTRODUCTION

The Coastal Ocean Dynamics Experiment seeks to describe the response of continental shelf waters to a time-varying wind stress. The site of the experiment is between Pt. Arena and Pt. Reyes on the northern California coast. The main purpose of the R/V *Wecoma* cruise CODE-1, Leg 4 was to make CTD observations at rather small time and space scales in the CODE region. A secondary purpose was to measure the near-surface flow field by using a doppler acoustic log and by deploying surface drifters that would be tracked from the coast or from the air. Another purpose was to make some CTD observations at distant locations to obtain information over large alongshore scales. Only the CTD data are included in this report.

The ship departed from Yerba Buena Island late on 25 April 1981 and began a section (Stations 1-9) along the Code Central Line (Fig. 1, Table 1) early on 26 April. After completing this section, we began a mesoscale survey (Stations 10-50) with sections along the Elk, Arena, North, Code Central and Ross Lines (Fig. 1) which was completed by 0900 Z, 28 April (Table 1). Since strong steady winds (~25 kts) made work in the Code region difficult, we headed south towards Pt. Purisima and completed a section (Stations 51-59) along $34^{\circ}45'N$ on 29 April (Table 1, Fig. 2). Returning to the Code region on 30 April, we completed an extended section (Stations 60-73) along the Central Line and alongshore sections along the 100 fm and 50 fm contours (Fig. 1). On 2 May we began a second mesoscale survey (Stations 103-142) with sections along the Arena, North, Central and Ross Lines (Fig. 1) and completed it early on 5 May. We then headed north toward Crescent

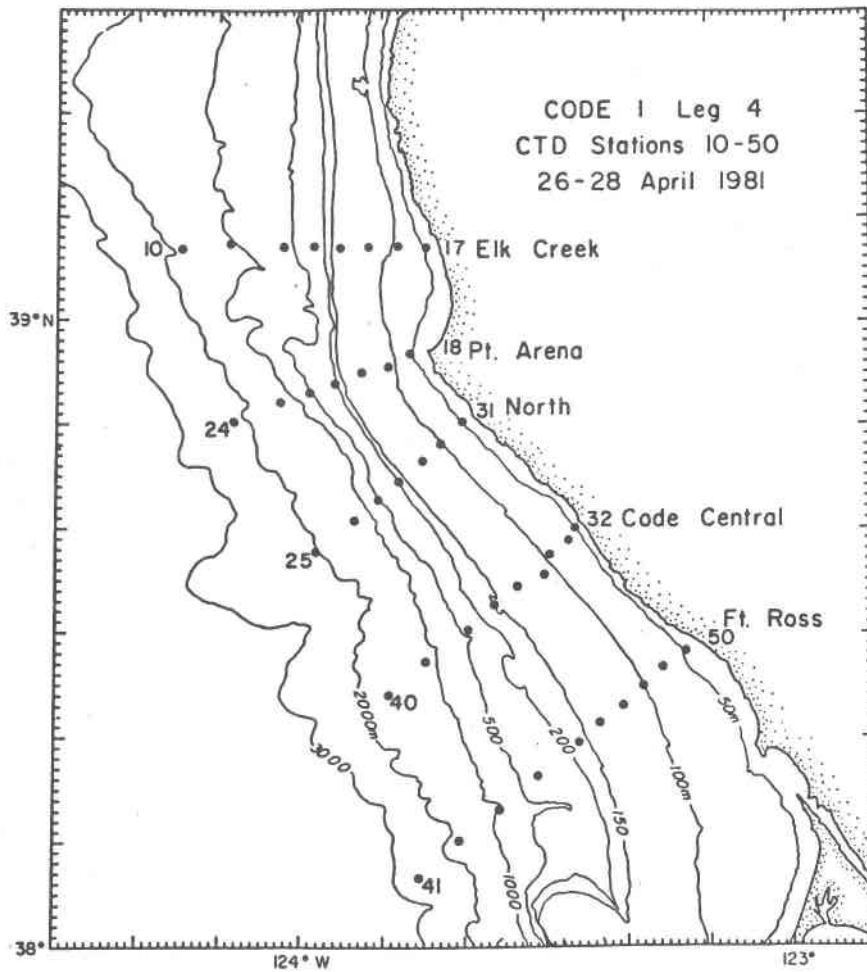
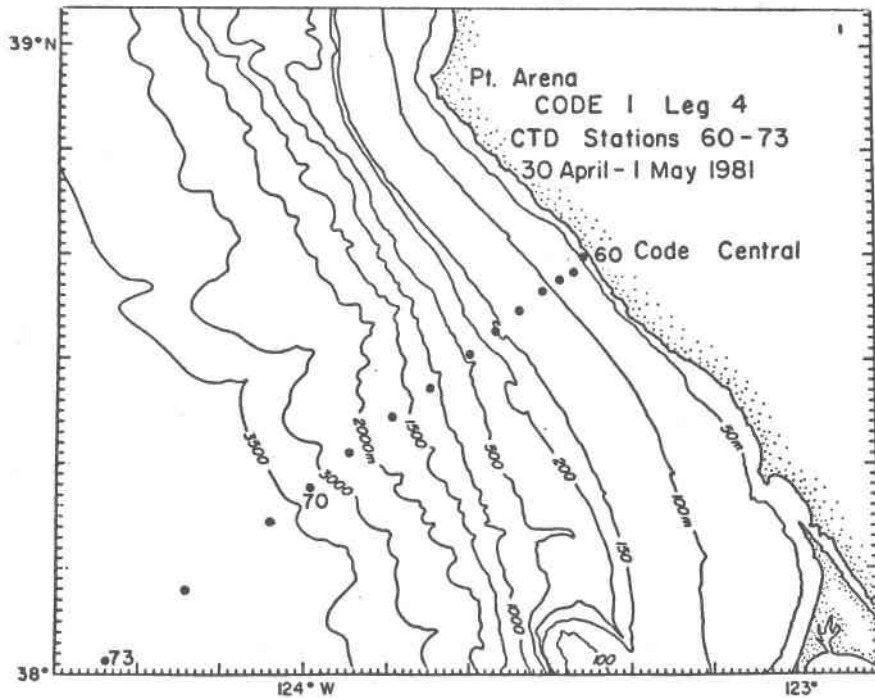
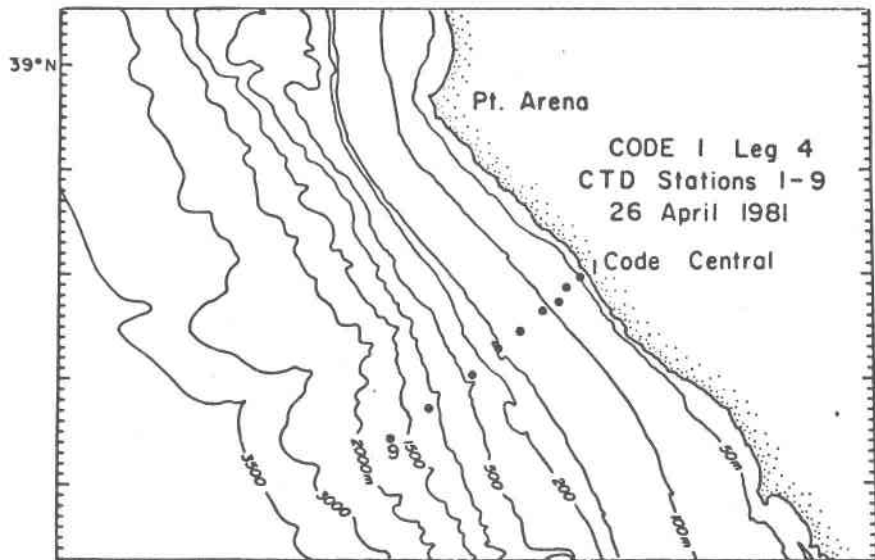


Figure 1. Location of stations in the Code region.

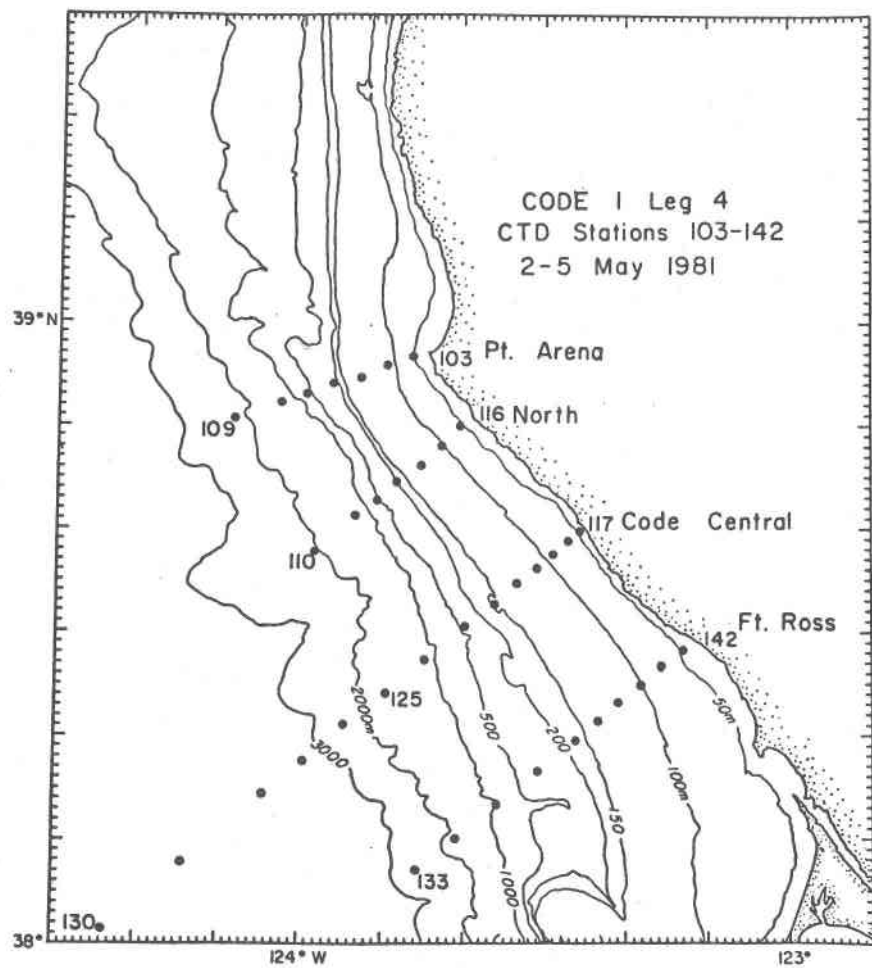
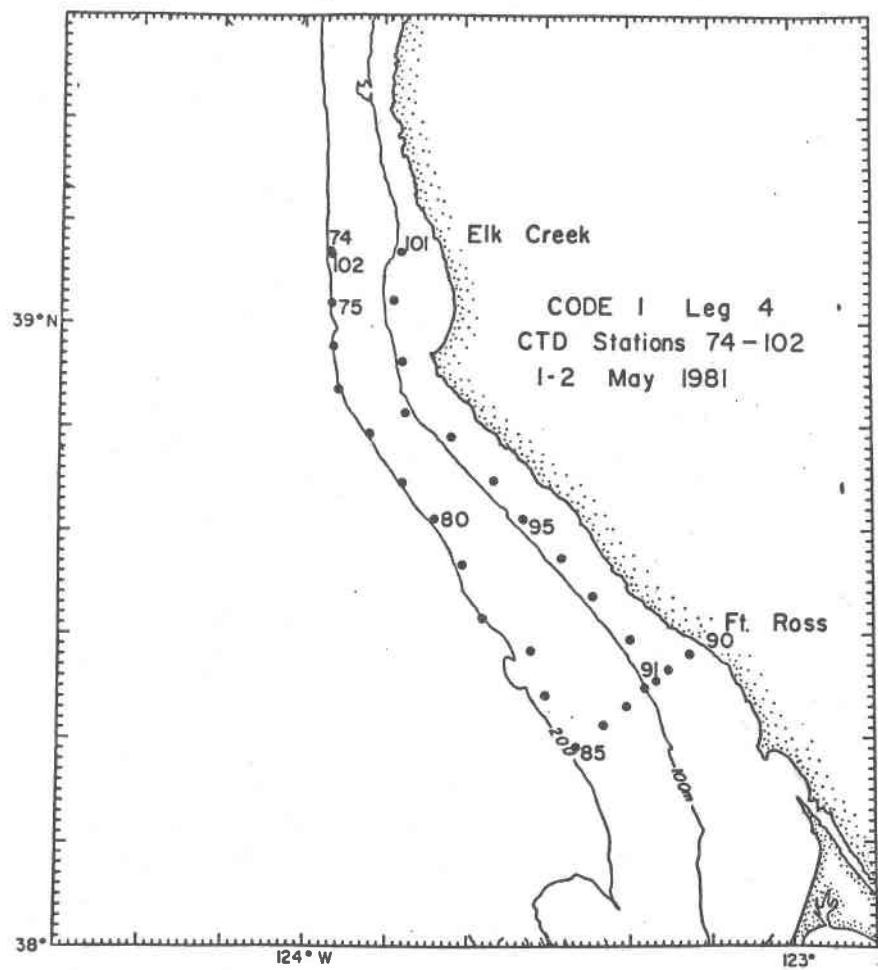


Figure 1. Continued.

Table 1. List of CTD stations occupied during Code-1, Leg 4, showing date and time, location, atmospheric pressure, and wind speed and direction.

		STATION		LOCATION		PRESSURE	WIND	
		NO.	NAME					
April 26,	0017Z	1	COC-1	38°39.7'N	123°26.0'W	1014.2 mb	290°T	10 kts
		0101	2	COC-2	38.8'	27.4'	1015.0	290
		0137	3	COC-3	37.4'	28.7'	1015.0	290
		0214	4	COC-4	36.5'	30.6'	1015.0	290
		0259	5	COC-5	34.5'	33.3'	1015.2	290
		0345	6	COC-6	32.8'	36.2'	1015.9	315
		0435	7	COC-7	30.3'	39.5'	1015.5	320
		0534	8	COC-8	27.1'	44.5'	1015.9	330
		0655	9	COC-9	38°24.1'	123°49.2'	1016.0	325
		1215	10	ELK-8	39°07.0'	124°14.9'	1017.8	330
		1345	11	ELK-7	07.4'	8.7'	1018.5	335
		1508	12	ELK-6	07.0'	124°02.2'	1019.0	335
		1557	13	ELK-5	07.2'	123°58.4'	1019.9	340
		1637	14	ELK-4	07.0'	55.1'	1020.0	345
		1715	15	ELK-3	07.0'	51.7'	1020.0	340
		1749	16	ELK-2	07.1'	48.2'	1020.1	340
		1827	17	ELK-1	39°07.0'	44.5'	1020.1	310
		1956	18	AR-1	38°56.8'	46.4'	1021.0	320
		2033	19	AR-2	55.7'	49.2'	1020.9	320
		2117	20	AR-3	54.9'	52.6'	1020.8	330
		2159	21	AR-4	53.9'	55.8'	1020.7	330
		2243	22	AR-5	53.0'	59.0'		330
		2343	23	AR-6	52.2'	124°02.5'	1021.0	330
April 27,	0120	24	AR-7	50.2'	08.1'	1022.0	320	--
		0347	25	NOR-7	37.8'	123°58.1'	1022.0	330
		0532	26	NOR-6	41.1'	53.3'	1022.0	330
		0705	27	NOR-5	42.8'	50.6'	1022.3	340
		0757	28	NOR-4	44.6'	48.0'	1022.7	340
		0843	29	NOR-3	46.4'	45.1'	1022.5	340
		0925	30	NOR-2	48.1'	42.8'	1022.9	340
		1007	31	NOR-1	50.2'	40.1'	1022.5	340
		1226	32	COC-1	40.0'	26.2'	1022.0	330
		1302	33	COC-2	38.8'	27.0'	1023.0	340
		1345	34	COC-3	37.5'	29.4'	1022.0	330
		1424	35	COC-4	35.4'	30.6'	1022.0	330
		1506	36	COC-5	34.7'	33.3'	22.0	330
		1548	37	COC-6	32.7'	36.2'	1022.1	335
		1633	38	COC-7	30.3'	39.6'	1022.7	340
		1733	39	COC-8	27.1'	44.5'	1023.0	340
		1906	40	COC-9	24.0'	49.3'	1022.6	340
		2140	41	ROS-10	06.8'	45.4'	1022.1	340
		2322	42	ROS-9	10.1'	40.8'	1021.5	330
April 28,	0115	43	ROS-8	13.1'	35.7'	1021.0	330	26
		0339	44	ROS-7	16.4'	30.8'	1020.0	330
		0507	45	ROS-6	19.6'	25.9'	1020.1	330
		0553	46	ROS-5	21.3'	23.3'	1021.0	325
		0633	47	ROS-4	23.0'	20.7'	-	320
		0718	48	ROS-3	24.9'	18.0'	1020.2	320
		0757	49	ROS-2	26.8'	15.3'	1020.0	320
		0829	50	ROS-1	28.2'	12.8'	1020.0	320

Table 1. Cont'd.

		STATION		LOCATION		PRESSURE	WIND	
		NO.	NAME					
April 29,	0552Z	51	PR-9	34°45.0'N	122°00.0'W	1012.7mb	330°T	15 kts
	0732	52	PR-8	45.0'	121°48.0'	1012.1	330	12
	0919	53	PR-7	45.0'	36.0'	1011.0	330	14
	1115	54	PR-6	45.0'	24.0'	1010.2	000	10
	1252	55	PR-5	45.0'	12.0'	1010.0	340	8
	1420	56	PR-4	45.0'	121°00.0'	1009.2		Airs
	1515	57	PR-3	45.0'	120°54.0'	1010.4		Airs
	1607	58	PR-2	45.0'	48.0'	1010.5	210	8
	1653	59	PR-1	34°45.0'	120°42.0'	-	180	5
	April 30,	1810	60	COC-1	38°39.8'	123°25.5'	1014.0	170
1836		61	COC-2	38.2'	26.9'	1014.6		Airs
1907		62	COC-3	37.5'	28.7'	1015.0	320	16
1941		63	COC-4	36.3'	30.7'	1015.4	320	20
2019		64	COC-5	34.5'	33.4'	1015.0	320	24
2056		65	COC-6	32.7'	36.2'	1015.5	320	25
2141		66	COC-7	30.3'	39.6'	1016.0	320	25
2243		67	COC-8	27.1'	44.5'	-	330	22
0007		68	COC-9	24.2'	49.2'	1017.0	340	24
0135		69	COC-10	20.8'	54.5'	1017.0	340	26
May 1,	0302	70	COC-11	17.6'	123°59.3'	1017.0	345	22
	0416	71	COC-12	14.3'	124°04.3'	1018.0	350	20
	0643	72	COC-13	07.8'	14.3'	1018.5	330	18
	0829	73	COC-14	38°01.2'	124°24.0'	1018.5	330	18
	1657	74	HUN-1	39°07.0'	123°56.8'	1018.4	340	24
	1753	75	HUN-2	39°02.0'	56.4'	1018.4	340	25
	1840	76	HUN-3	38°57.8'	56.0'	1018.9	330	22
	1933	77	HUN-4	53.7'	55.5'	1018.6	330	23
	2043	78	HUN-5	49.2'	51.9'	1018.2	330	24
	2142	79	HUN-6	44.7'	47.8'	1018.2	330	22
May 2,	2233	80	HUN-7	41.0'	43.6'	1017.5	330	24
	2327	81	HUN-8	36.5'	40.3'	1017.2	330	23
	0033	82	HUN-9	31.6'	38.0'	1016.8	330	22
	0134	83	HUN-10	28.2'	32.1'	1015.8	330	26
	0244	84	HUN-11	23.9'	30.3'	1015.8	330	25
	0334	85	HUN-12	19.2'	26.7'	1015.9	320	26
	0432	86	ROS-5	21.3'	23.3'	1015.4	320	22
	0517	87	ROS-4	23.0'	20.7'	1015.0	320	25
	0601	88	ROS-3	24.8'	18.0'	-	320	25
	0641	89	ROS-2	26.6'	15.4'	1015.0	310	20
May 2,	0725	90	ROS-1	28.1'	12.8'	1015.0	300	22
	0809	91	FIF-11	25.7'	16.8'	1015.0	310	22
	0913	92	FIF-10	29.7'	19.9'	1014.6	310	25
	1012	93	FIF-9	33.7'	24.4'	1014.1	310	20
	1138	94	FIF-8	37.2'	28.2'	1015.0	330	28
	1247	95	FIF-7	41.2'	33.3'	1014.8	330	22
	1353	96	FIF-6	44.8'	37.8'	1015.5	330	22
	1449	97	FIF-5	48.6'	41.8'	-	330	20
	1548	98	FIF-4	51.3'	123°47.3'	1016.1	330	24
	1649	99	FIF-3	38°56.3'	47.8'	1016.0	340	24
May 2,	1753	100	FIF-2	39°02.3'	48.9'	1016.4	320	22
	1856	101	FIF-1	07.0'	47.8'	1016.8	320	24
	2001	102	HUN-1	07.0'	56.7'	1016.7	320	24

Table 1. Cont'd.

		STATION		LOCATION		PRESSURE	WIND		
		NO.	NAME						
May 2,	2134Z	103	AR-1	38°56.7'N	123°46.1'W	1016.1 mb	320°T	24 kts	
		2211	104	AR-2	55.8'	49.3'	1016.0	320	26
		2248	105	AR-3	54.8'	52.6'	1016.2	330	28
		2335	106	AR-4	53.9'	55.8'	1015.8	330	32
May 3,	0018	107	AR-5	53.0'	123°59.0'	1015.2	330	28	
	0137	108	AR-6	52.2'	124°02.3'	1015.5	330	24	
	0312	109	AR-7	50.7'	124°08.0'	1016.0	345	30	
	0625	110	NOR-7	37.8'	123°58.1'	1015.8	340	28	
	0808	111	NOR-6	41.4'	53.1'	1015.9	340	26	
	0920	112	NOR-5	42.8'	50.6'	1015.2	340	25	
	1017	113	NOR-4	44.6'	48.0'	1015.0	340	25	
	1109	114	NOR-3	46.2'	45.0'	1015.0	330	20	
	1158	115	NOR-2	48.1'	42.7'	1014.5	330	20	
	1245	116	NOR-1	49.9'	40.1'	1014.2	330	20	
	1503	117	COC-1	39.8'	25.5'	1014.1		Airs	
	1544	118	COC-2	38.8'	26.9'	1014.1	315	18	
	1615	119	COC-3	37.5'	28.9'	1014.2	315	20	
	1650	120	COC-4	36.2'	30.8'	1014.3	325	25	
	1729	121	COC-5	34.7'	33.3'	1015.0	330	26	
	1809	122	COC-6	32.7'	36.2'	1015.0	325	25	
	1901	123	COC-7	30.4'	39.6'	1015.4	330	24	
	2008	124	COC-8	27.1'	44.5'	1015.6	320	22	
	2142	125	COC-9	24.1'	49.2'	1016.3	320	20	
	2315	126	COC-10	20.9'	54.3'	1016.2	330	20	
May 4,	0101	127	COC-11	17.6'	123°59.3'	1016.0	320	22	
	0231	128	COC-12	14.3'	124°04.3'	1016.5	320	20	
	0412	129	COC-13	07.8'	14.1'	1017.2	330	18	
	0551	130	COC-14	38°01.3'	23.9'	1018.0	330	20	
	0809	131	COC-15	37°52.0'	38.5'	1018.5	340	20	
	1028	132	COC-16	42.0'	124°53.0'	1018.9	340	22	
	1748	133	ROS-10	38°06.8'	123°45.5'	1018.5	325	25	
	1942	134	ROS-9	10.0'	40.7'	1018.5	320	25	
	2122	135	ROS-8	13.3'	35.7'	1018.2	330	24	
	2302	136	ROS-7	16.4'	30.8'	1017.0	320	26	
	May 5,	0019	137	ROS-6	19.6'	25.9'	1017.2	315	26
		0110	138	ROS-5	21.3'	23.3'	1017.2	315	26
		0155	139	ROS-4	23.1'	20.7'	1016.9	320	25
0239		140	ROS-3	24.8'	18.0'	1016.2	320	30	
0326		141	ROS-2	26.8'	15.4'	1016.6	330	30	
0408		142	ROS-1	28.3'	12.8'	1016.1	310	24	
1302		143	COC-5	34.6'	33.3'	1018.0	340	20	
1330		144	COC-5	34.5'	33.3'	-	340	23	
May 6,	2122	145	CRC-8	44.0'	12.2'	1026.2	340	10	
	2305	146	CRC-7	44.1'	00.0'	1025.7	330	17	
May 7,	0048	147	CRC-6	44.0'	48.0'	1024.0	340	20	
	0202	148	CRC-5	44.0'	42.0'	1023.0	340	20	
	0405	149	CR-6	54.0'	48.0'	1023.0	355	22	
	0504	150	CR-5	54.0'	42.0'	1023.3	350	25	
	0600	151	CR-4	54.0'	36.0'	1023.0	349	22	
	0657	152	CR-3	54.0'	29.0'	1022.5	340	20	
	0743	153	CR-2	53.9'	24.0'	1022.2	340	18	
	0831	154	CR-1	54.0'	18.1'	1022.1	340	14	

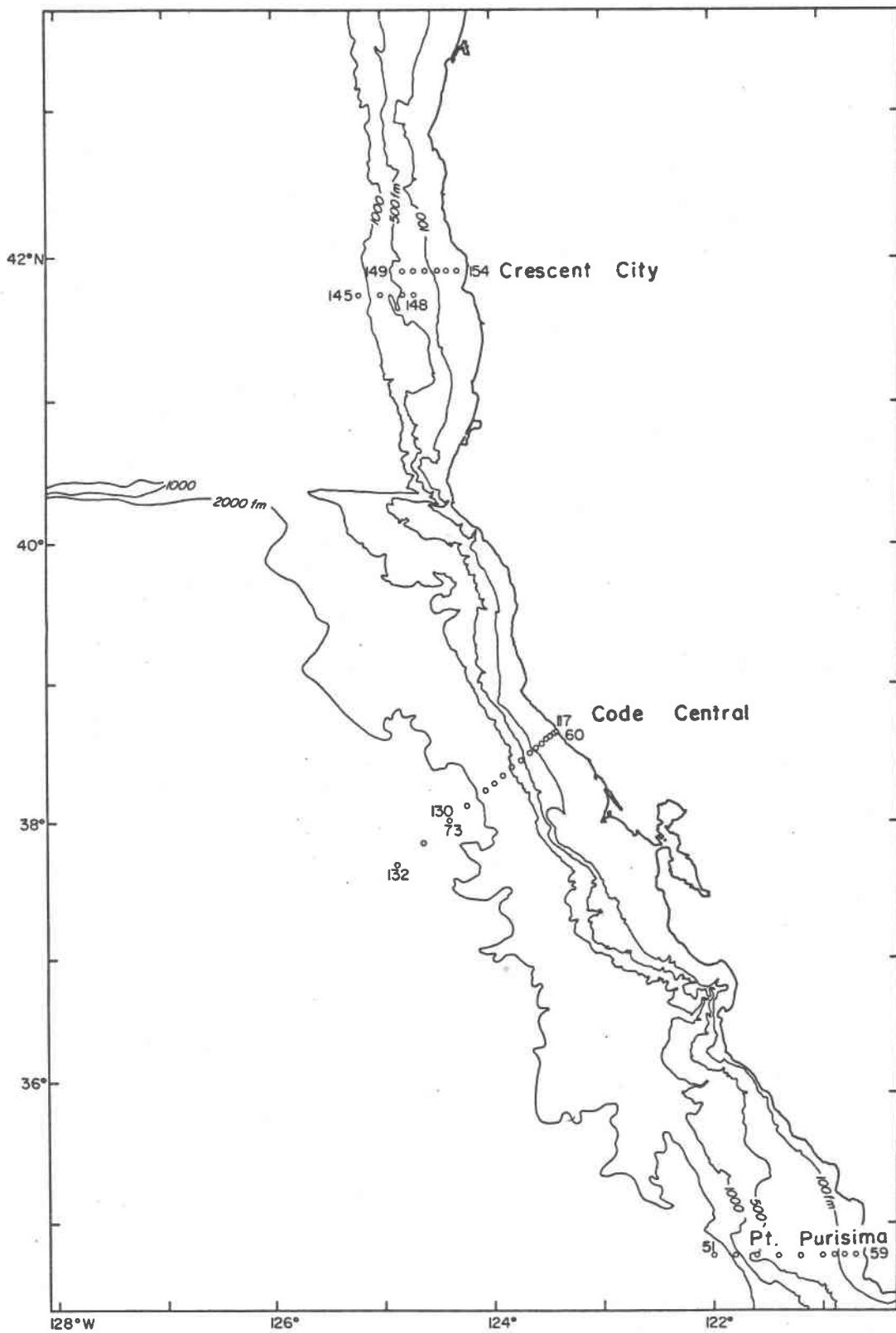


Figure 2. Location of stations off Pt. Purisima and along the Code Central Line, 29 April - 1 May 1981; and along the Central Line and off Crescent City, 3-7 May 1981.

City; after inadvertently beginning the section along $41^{\circ}44'N$ we noticed our error and completed the section along $41^{\circ}54'N$ (Fig. 2).

The wind direction was remarkably steady during the cruise and the wind speed usually exceeded 20 kts (Fig. 3). We observed diurnal variability in the wind speed (Fig. 4), in that the lowest speeds were observed in early morning hours and highest speeds were observed in the afternoon or early evening. However, strong winds were also frequently observed during the late night or early morning hours (Fig. 4). Winds in the Code region were generally from $330^{\circ}T$ except very near shore, i.e. winds tended to have a weak offshore component south of Pt. Arena, where the coastline lies nearly along $315^{\circ}-045^{\circ}T$ (Fig. 5). Offshore profiles of wind speed and direction along the Code Central Line (Fig. 6) show that relatively weak winds occurred within 10-15 km of the coast, and offshore winds were always from $320^{\circ}-350^{\circ}T$.

Scientific personnel on the cruise were Adriana Hoyer, Dennis Barstow, Rich Schramm, Jacqueline Paul, Dorothy Lowman, Henry Pittock, Nancy Rouse and Wayne Burt of Oregon State University and Michael Kosro of Scripps Institution of Oceanography.

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, Gilbert, Schramm and Hoyer (1981), except that the probe with a 1600 db pressure sensor rating (probe #2567) was used for all stations.

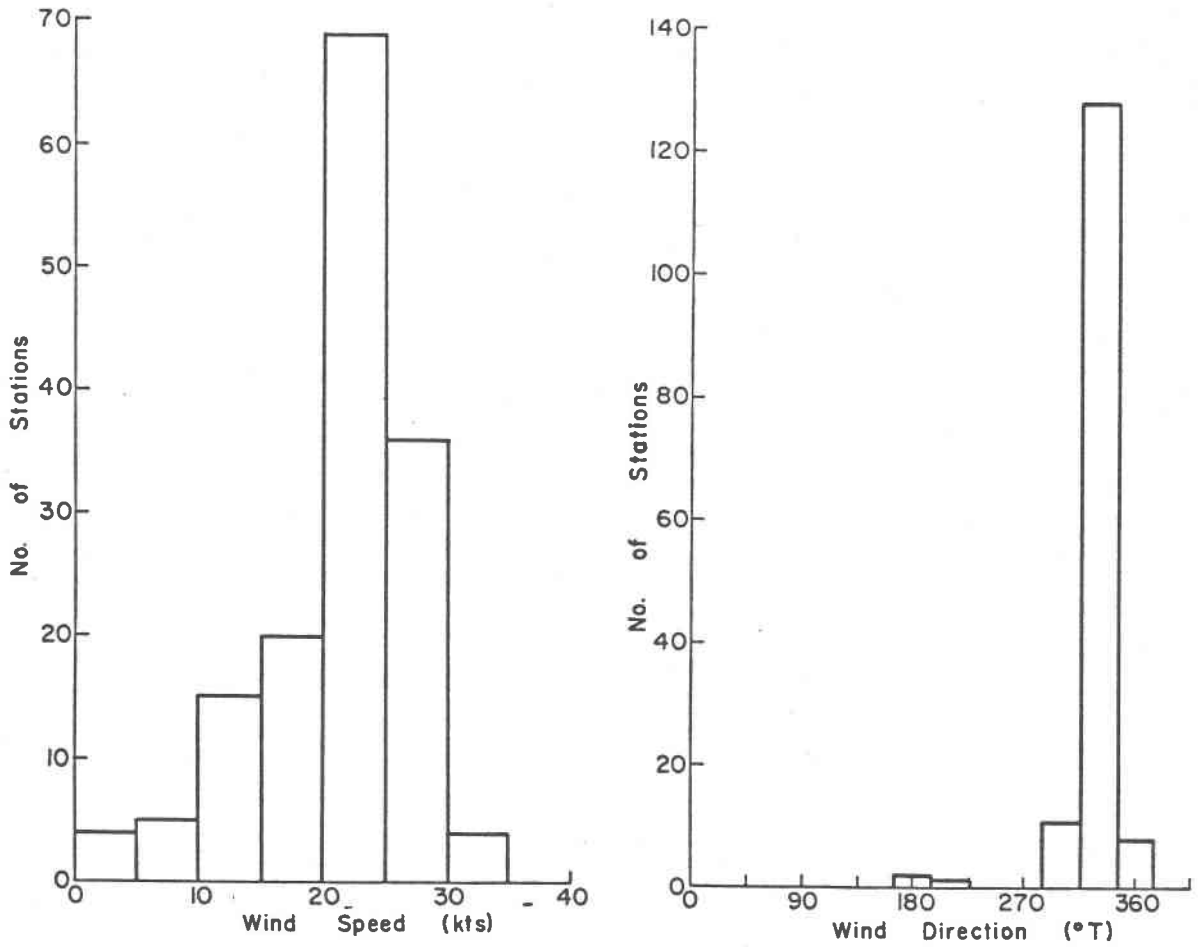


Figure 3. Histograms of wind speed and direction at each CTD station, 26 April - 7 May 1981.

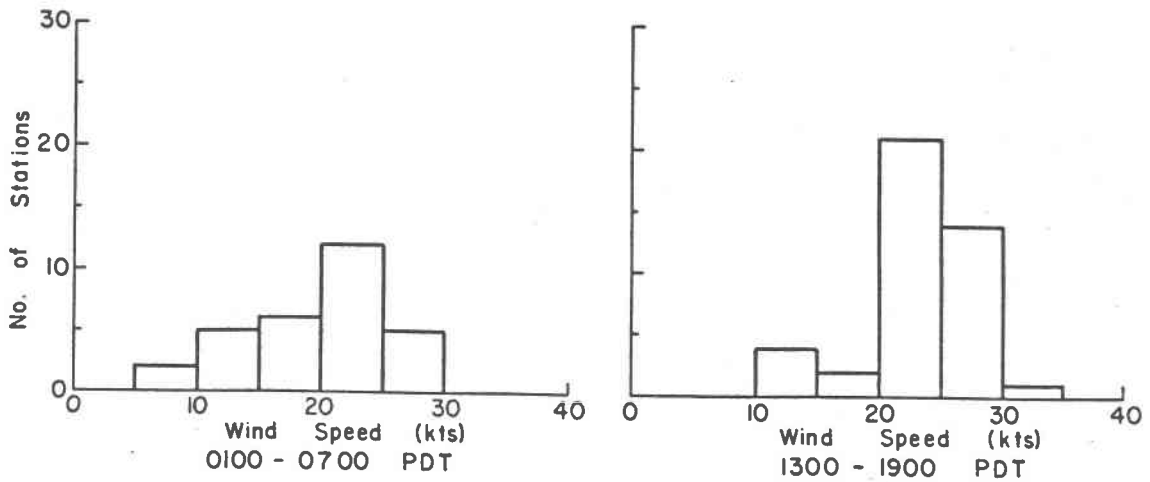


Figure 4. Histograms of wind speed at CTD stations occupied during late night-early morning hours (0100-0700 PDT), and during afternoon-early evening hours (1300-1900 PDT).

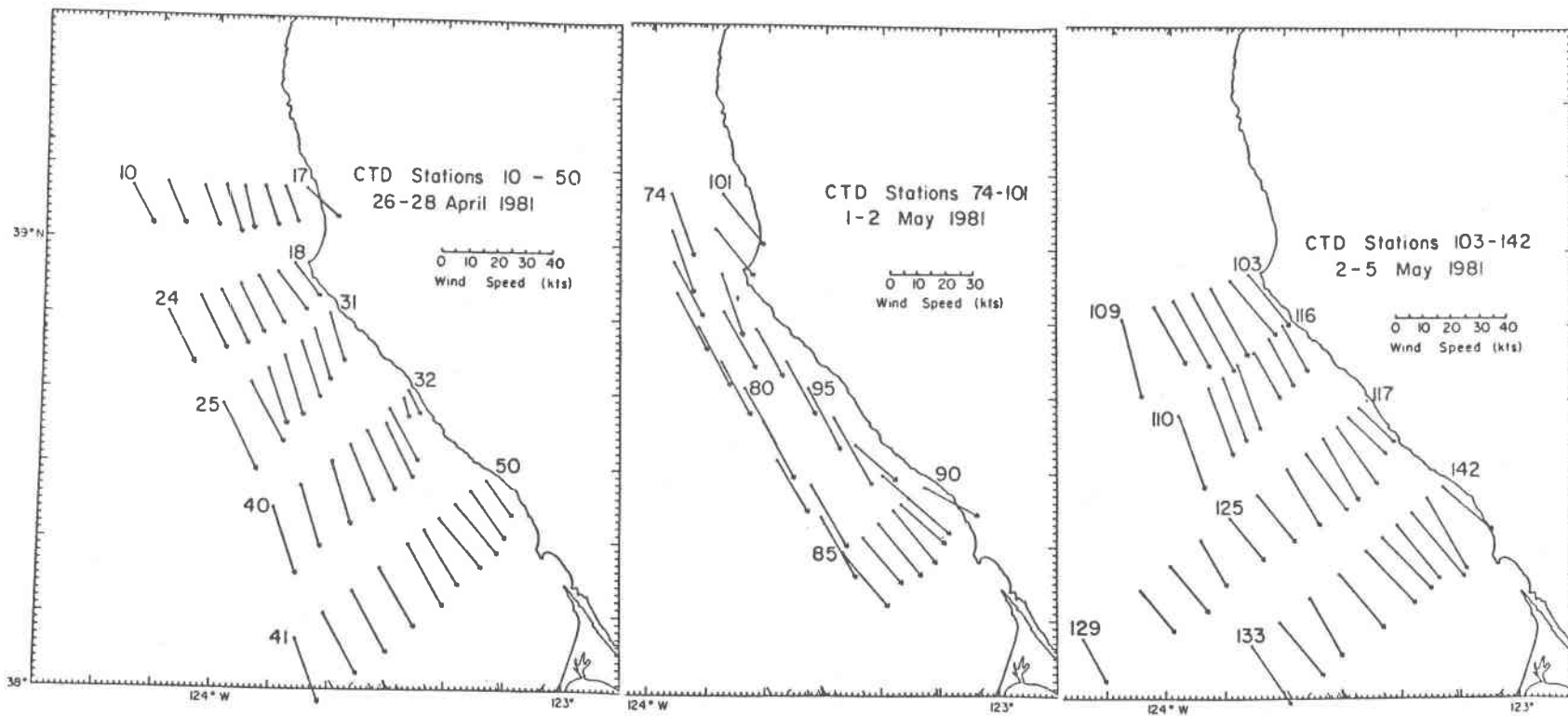


Figure 5. Wind vectors at CTD stations during mesoscale surveys of the Code region, 26 April - 5 May 1981. Light airs were observed at Station 117.

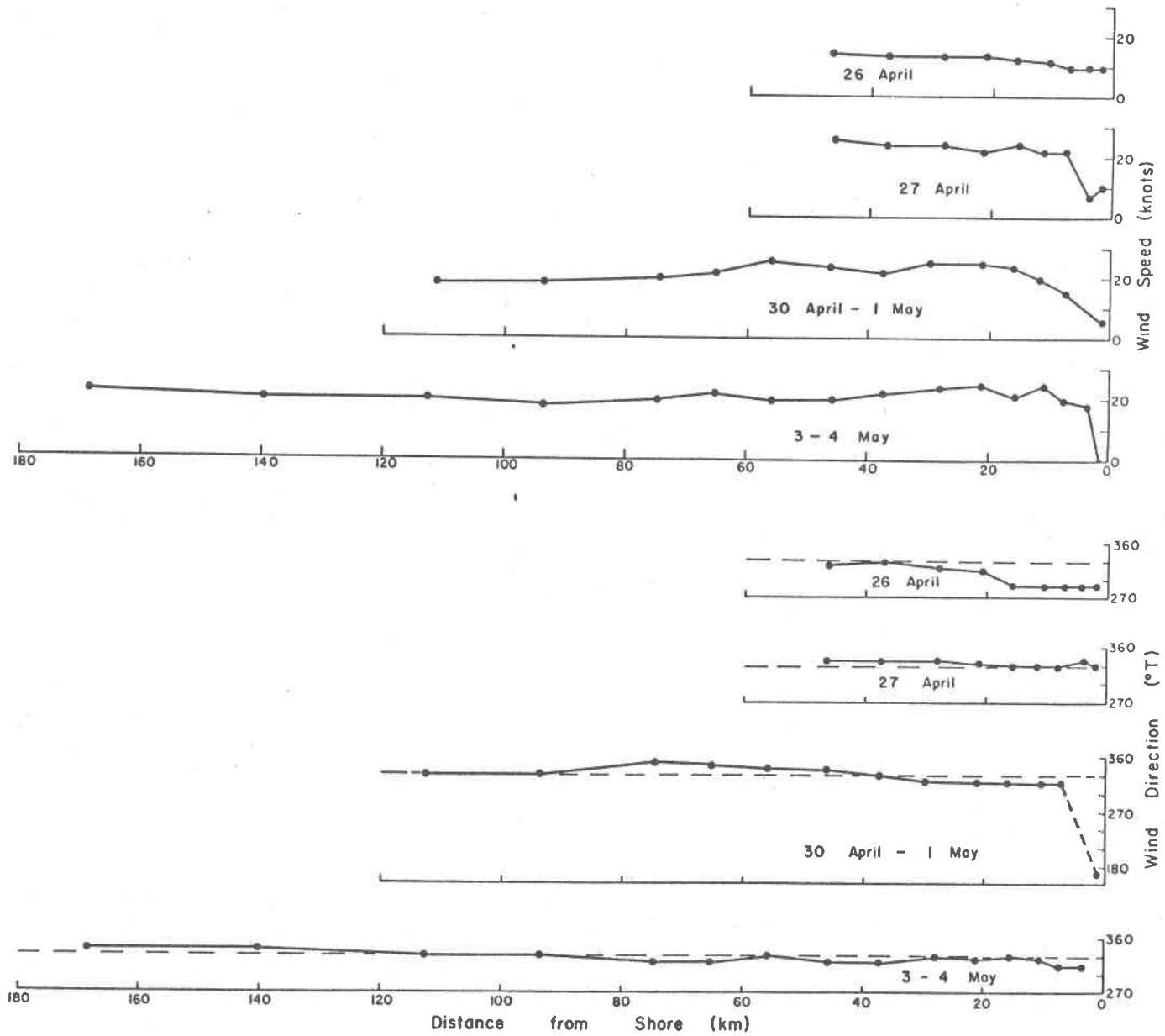


Figure 6. Wind speed and direction at CTD stations along the Code Central Line.

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 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 2 years. Water sample salinity is determined by Guildline Model 8400 "Autosal" salinometers with precision of better than $\pm 0.002\text{‰}$ and accuracy of $\pm 0.003\text{‰}$.

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

Duplicate salinity samples were drawn from the Niskin bottle at each station. Part of one set of samples (Stations 1-121) was analyzed on one of OSU's autosals but the conductivity ratio readout was unacceptably noisy. The remaining samples of the one set (Stations 122-154) were run on OSU's other autosal which also became unacceptably noisy at times apparently due to variation in the lab temperature. Due to the uncertainty of the results the second set of samples (all stations except Stations 122-133) was sent to the NW Regional Calibration Center, Bellevue, WA for analysis (Keir, 1981). Results of the 3 different analyses compared with the CTD are shown in Table 2.

Table 2. The mean and standard deviation of salinity difference between the *in situ* calibration data from OSU and NRCC and the CTD probe.

Autosal	Sta. No.	N	Salinity mean	ΔS (‰) s.d.
OSU #1	1-121	115	-0.003	0.004
OSU #2	122-154	33	-0.005	0.004
NRCC	1-121, 134-154	136	-0.003	0.003

Table 3. Summary of the difference between the *in situ* calibration data and the CTD probe.

Sta. No.	Temperature ΔT (°C)			Conductivity ΔC (mmhos cm^{-2})			Salinity ΔS (‰)		
	N	mean	s.d.	N	mean	s.d.	N	mean	s.d.
Prior to applying conductivity correction									
1-49	45	-0.004	0.009	44	-0.001	0.002	44	-0.001	0.002
50-154	95	-0.002	0.011	103	-0.004	0.002	103	-0.005	0.003
After applying conductivity correction									
50-154	95	-0.002	0.011	103	0.000	0.002	103	0.000	0.003
1-154	142	-0.003	0.010	147	0.000	0.002	147	-0.001	0.003

These comparisons and the evidence of problems with OSU's autosals indicated that NRCC's data were the most precise and were used in the *in situ* calibration of the CTD. Both sets of salinity samples from Stations 122-133 had been analyzed on OSU's autosal #2 so one set of these results was also included in the calibration data. Comparisons between the NRCC and OSU autosal #2 data for Stations 134-154 are well within the precision of the autosals: mean = 0.000 and s.d. = 0.001.

Results of the comparison between *in situ* sample data and the CTD output are summarized in Table 3. The sample conductivity was calculated using the CTD temperature and sample salinity. CTD conductivity was corrected for the pressure and temperature effects on the cell prior to the comparison.

The temperature differences are within the sampling and instrument errors so no further corrections were applied to temperature prior to processing the data (Fig. 7). Analysis of the conductivity differences indicated a change in the calibration of the CTD after the CTD touched bottom at Station 49. Therefore, the comparison of the *in situ* sample data and the CTD output was divided into 2 sections: Stations 1-49 and Stations 50-154 (Fig. 1). The difference in Stations 50-154 showed a mean offset of $-0.004 \text{ mmhos cm}^{-2}$ and the correction was applied to the CTD conductivity prior to processing the data. The procedures for data processing were described by Gilbert, Huyer and Schramm (1981). The coefficient (α) for the conductivity filter for the CTD probe used (#2567) was 0.862. Stations that required editing during processing are presented in Table 4.

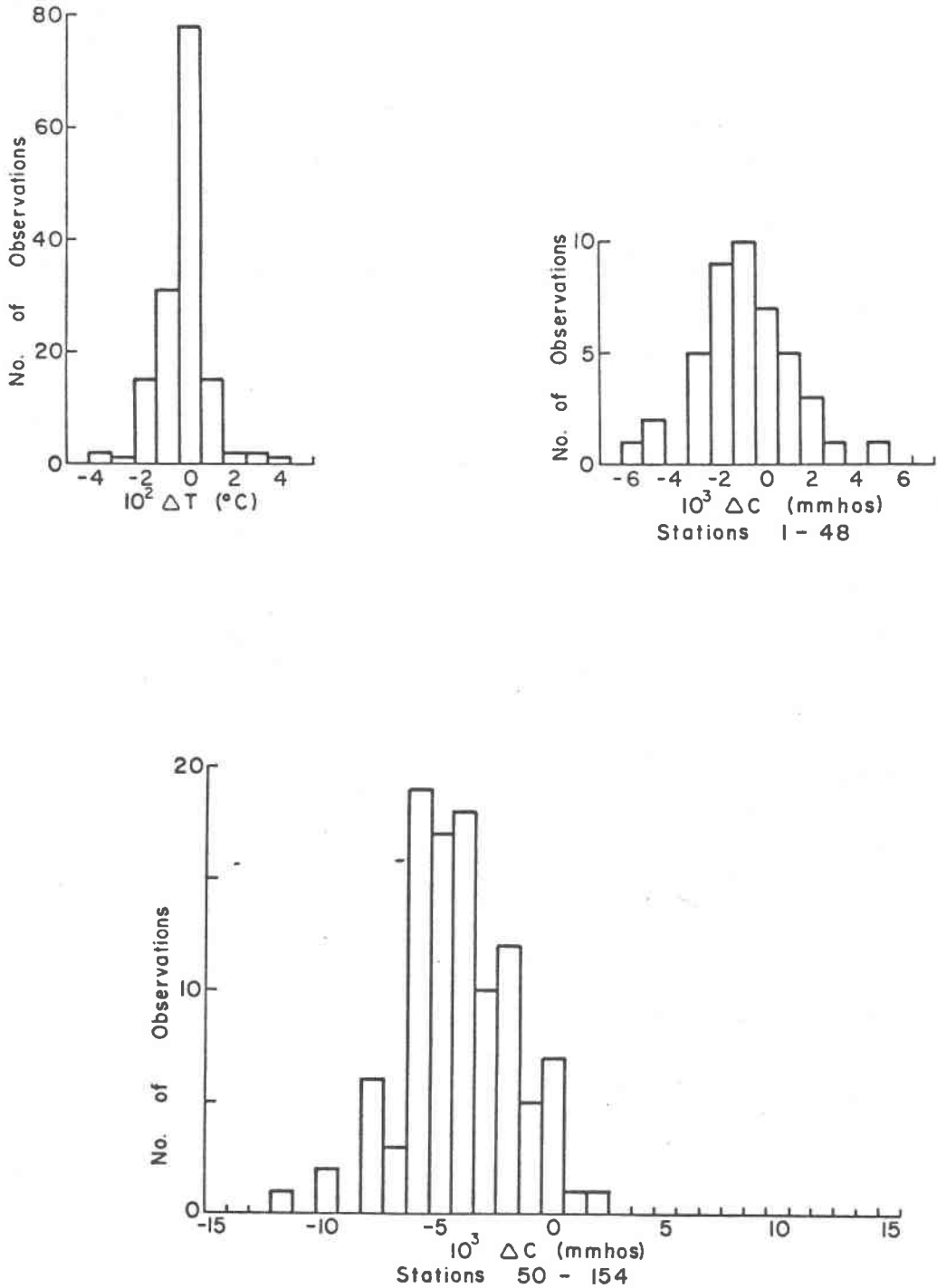


Figure 7. Histograms of the differences in temperature and salinity between the calibration sample and the CTD. The CTD conductivity data for Stations 50-154 were corrected by subtracting 0.004 before data processing.

Table 4. Stations with special data problems.

Station No.	Name	Nature of Problem	Cause	Remedy
9	COC-9	Downward jump in conductivity.	Probably detritus in cell.	Linear interpolation of processed salinity data, 430-434 db.
49	ROS-2	Large downward jump in conductivity at 78 db.	CTD probe touched bottom.	Eliminated last line of data file.
67	COC-8	Downward jump in conductivity at 304-329 db.	Probably detritus in cell.	Linear interpolation of processed salinity data, 304-329 db.
93	FIF-9	Large conductivity jump at 35 db.	Problems with Kennedy Logger so audio tape recording was used for part of the cast; problems with noise on the audio tape.	Linear interpolation of processed salinity data, 35 db.
130	COC-14	Two minute delay at 442 db.	Large wire angle; wire against the ship.	Joined processed data files at 442 db.
136	ROS-7	Large conductivity jump at 301-319 db.	Probably detritus in cell.	Linear interpolation of processed data files, 301-319 db.
137	ROS-6	Large conductivity jump at 90 db.	Probably detritus in cell.	Raised CTD to 85 db, resumed sampling; joined processed data files at 86 db; thus there is a two minute delay at 86 db.
141	ROS-2	Downward jump in conductivity at 39-51 db.	Probably detritus in cell.	Linear interpolation of processed data file, 39-51 db.

DATA PRESENTATION

The hydrographic data are summarized in vertical sections of temperature, salinity, and sigma-theta. The distributions were 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 surface temperature, salinity and sigma-theta, and of dynamic height at 0 db relative to 100 db and at 0 db, 100 db and 200 db relative to 500 db. Dynamic height at stations shallower than the reference pressure was computed using the extrapolation method described by Reid and Mantyla (1976); bottom contours are included to show where extrapolation was used.

For each hydrographic section in Figure 2 and repeated Code sections, we also show offshore profiles of temperature, salinity, sigma-theta and dynamic height 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:

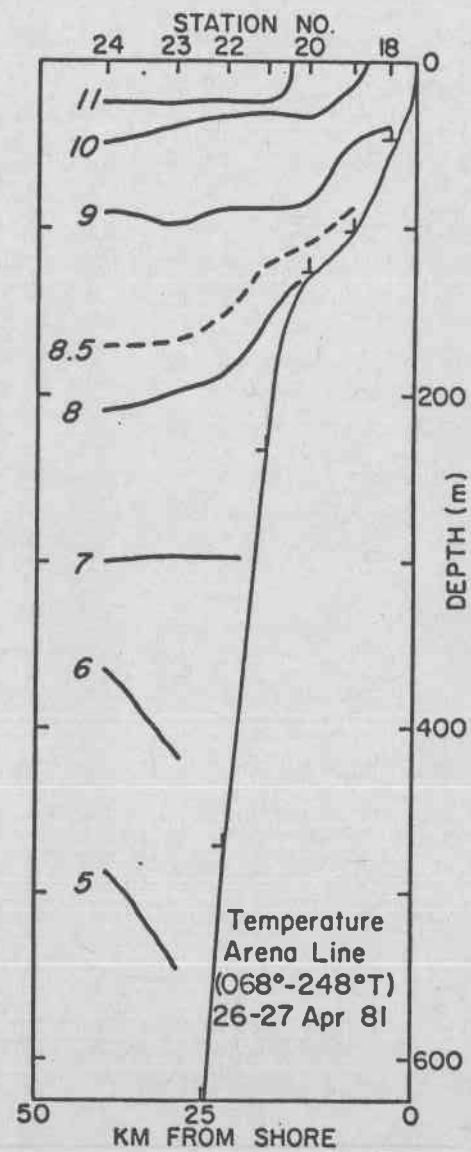
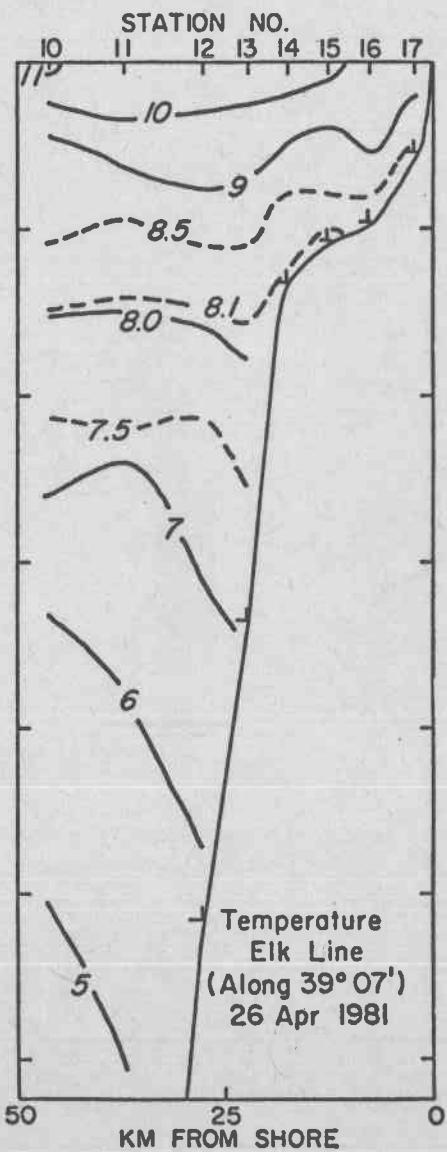
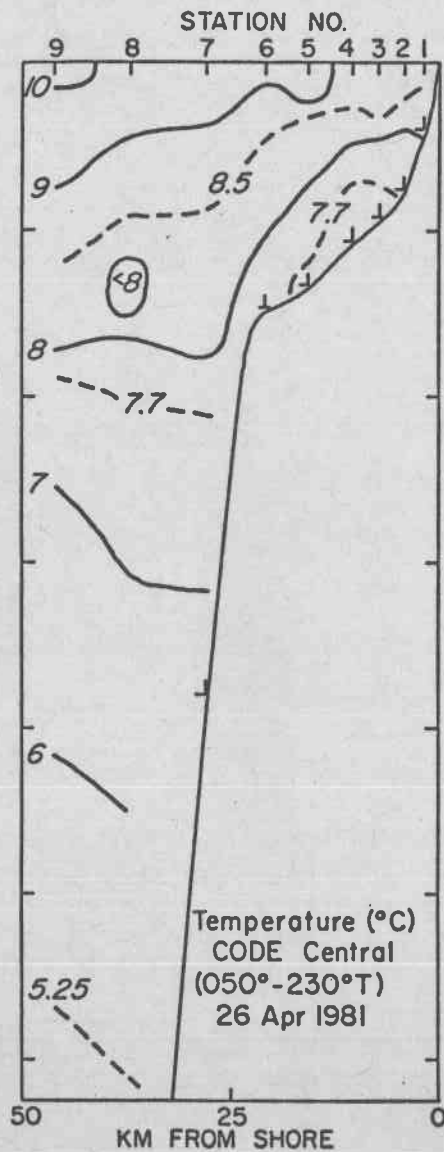
STA NO	Consecutive station number.
STATION	The CTD section name (initialled) and number of the station on the line (Refer to Figures 1 and 2).
LAT	Latitude in degrees and minutes north of the equator.
LONG	Longitude in degrees and minutes west of Greenwich.
DATE	Day/Month/Year.
TIME	Time in Greenwich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

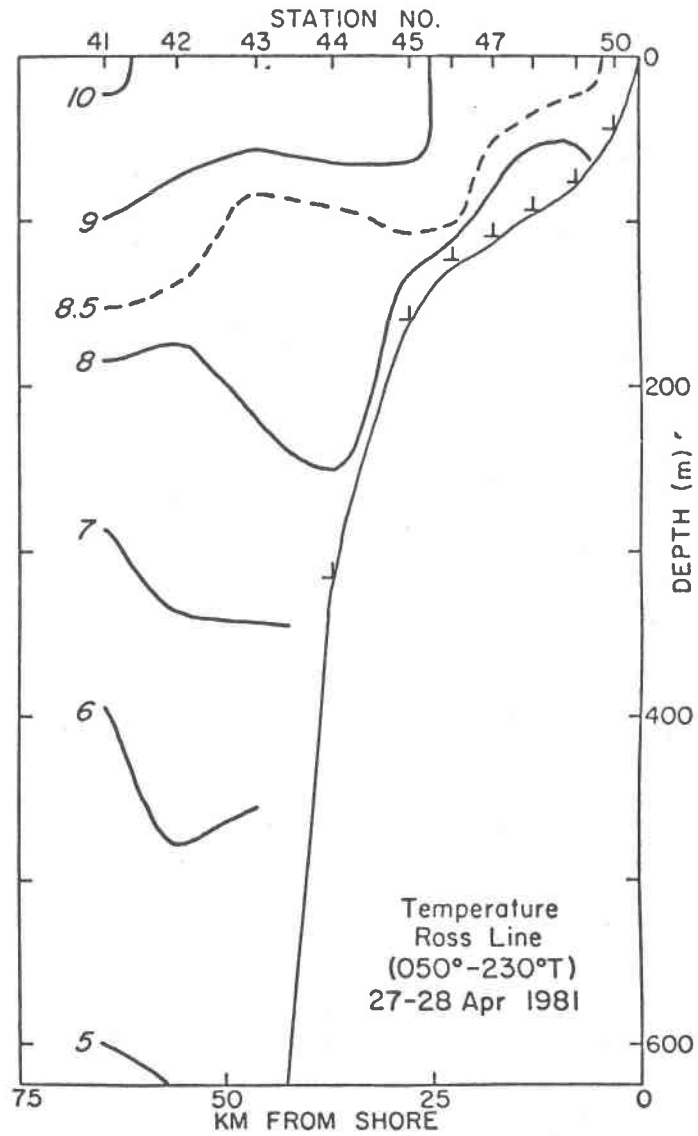
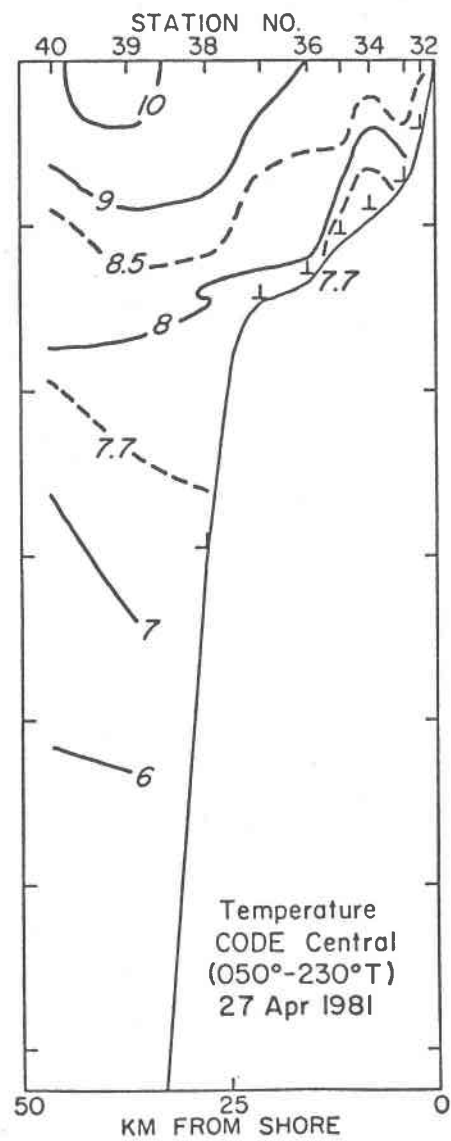
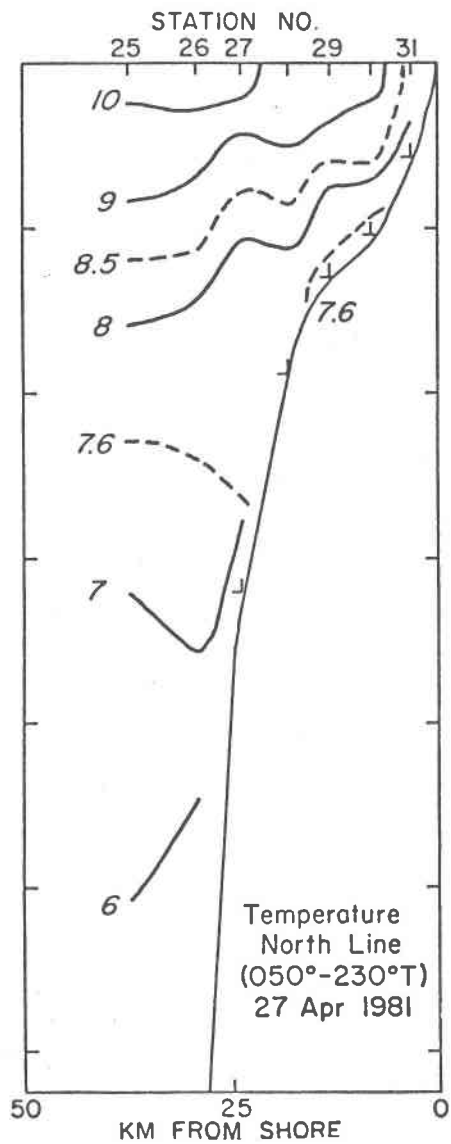
PROBE CTD probe number.

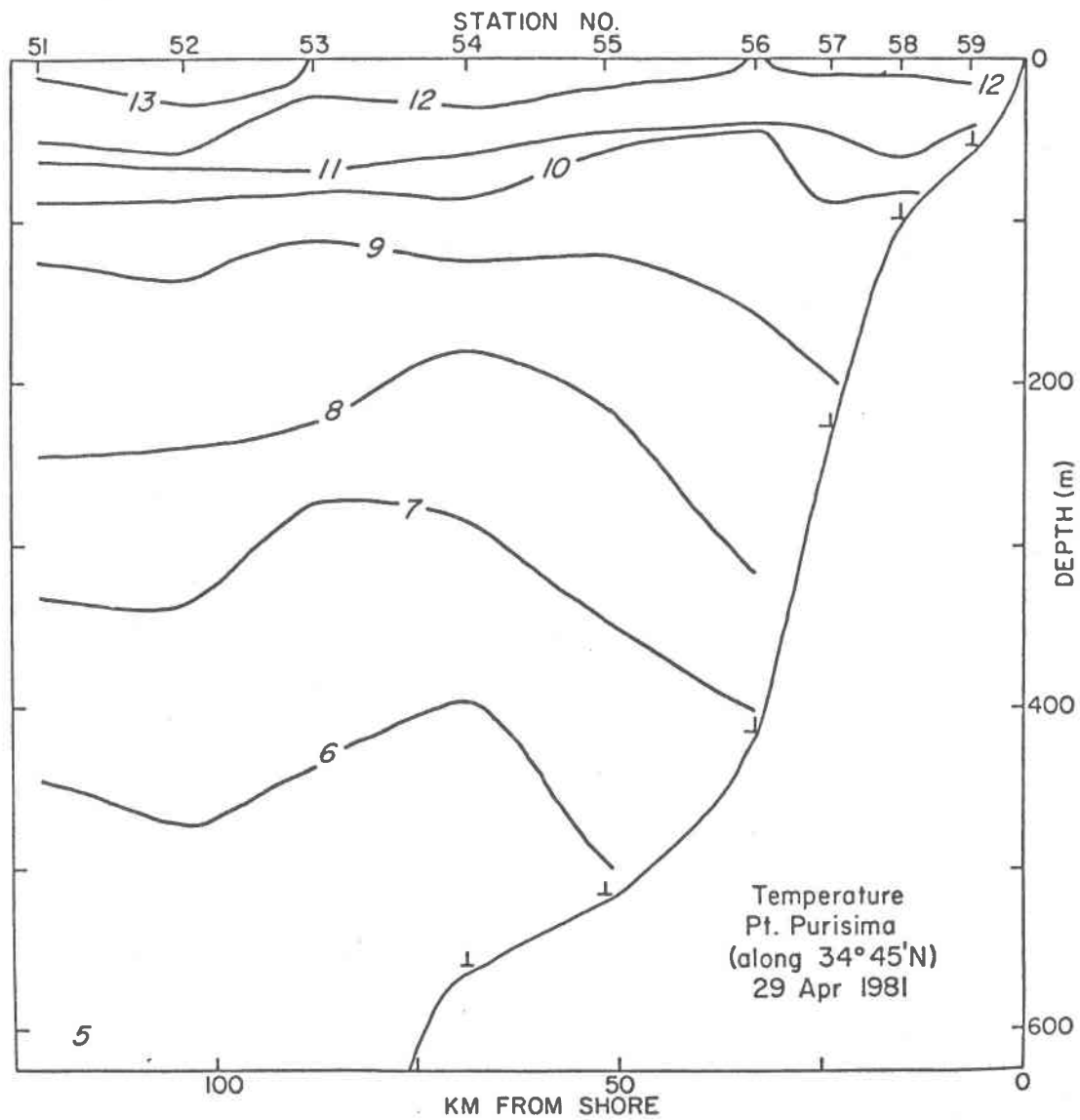
DEPTH Sonic depth in meters, corrected according to Matthews Tables appearing in the Handbook of Oceanographic Tables, U.S. Naval Oceanographic Office Publication SP-68 (1966).

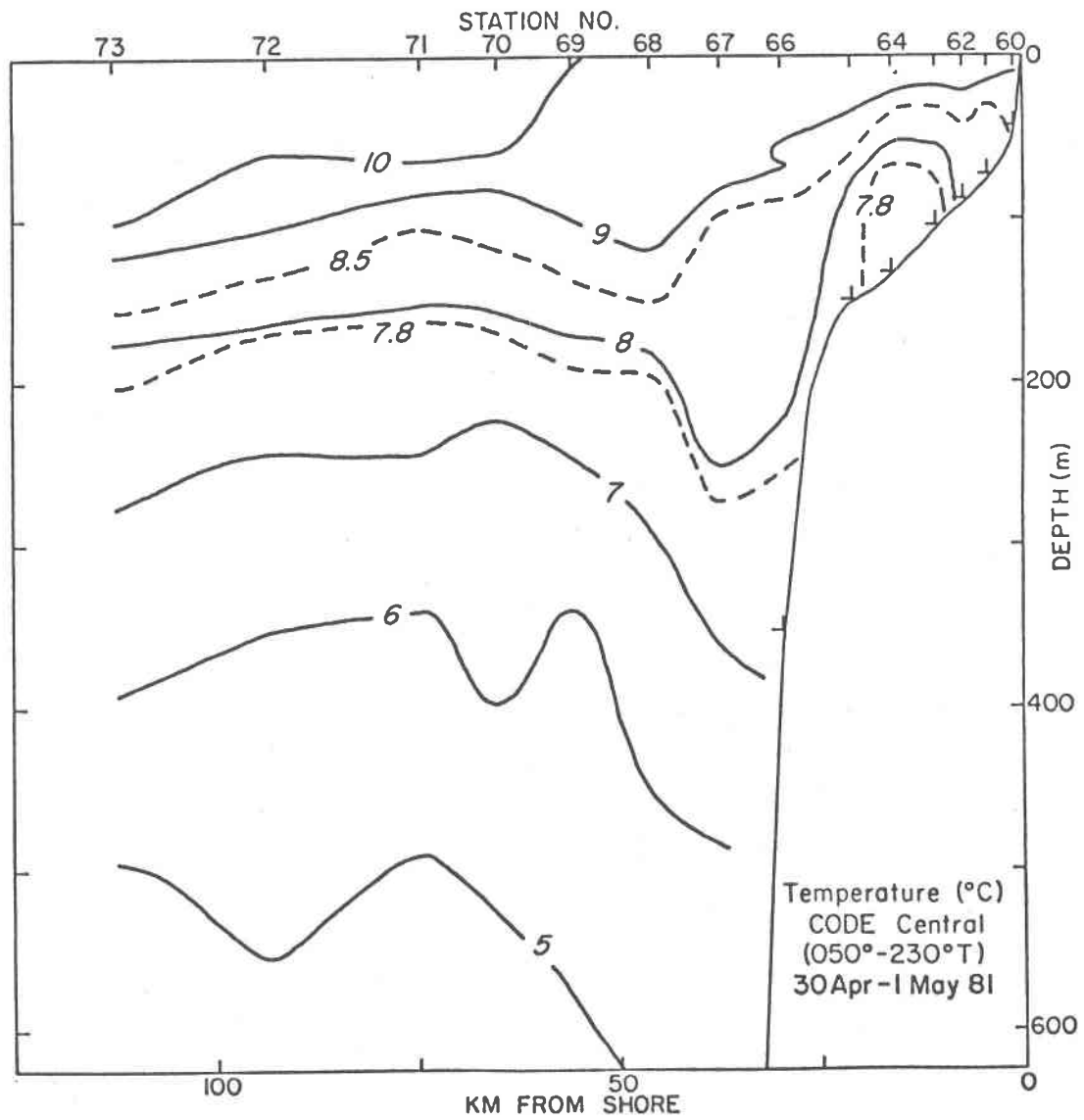
The data listing for each station gives values at standard pressures including observed and calculated parameters at the shallowest and deepest observation levels. Temperature (TEMP), salinity (SAL), potential temperature (POTEN TEMP), sigma theta (SIGMA THETA), specific volume anomaly $\times 10^5$ (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.

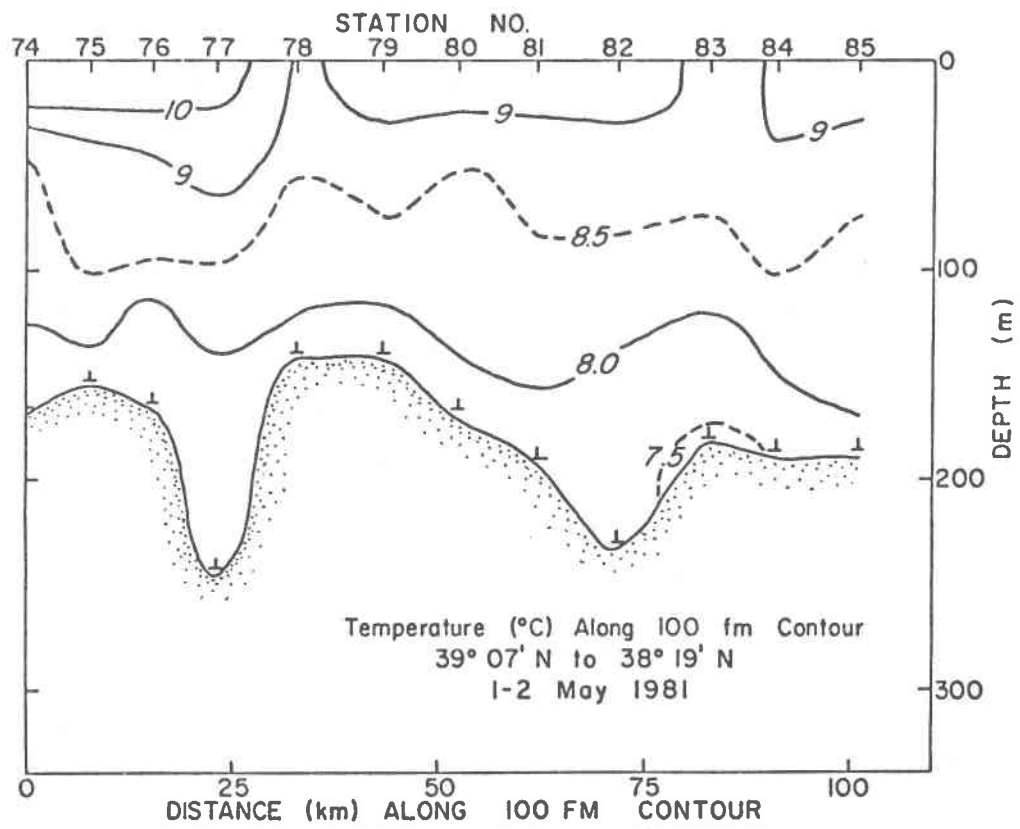
VERTICAL SECTIONS

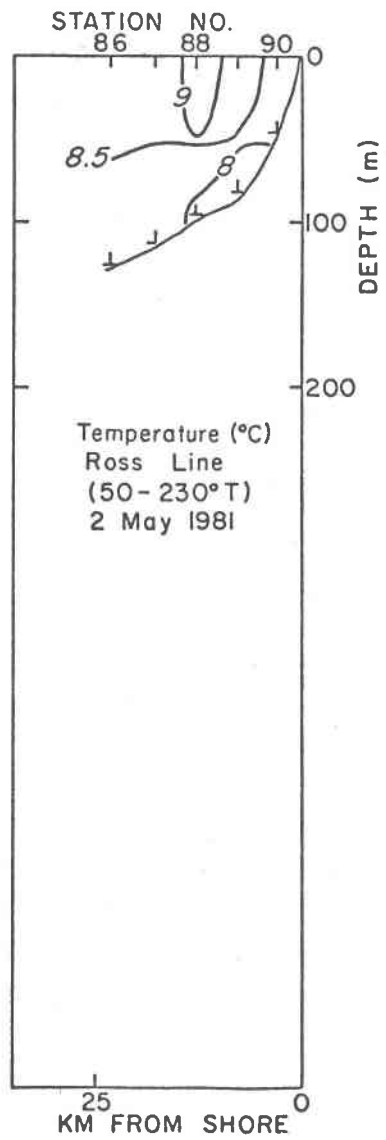


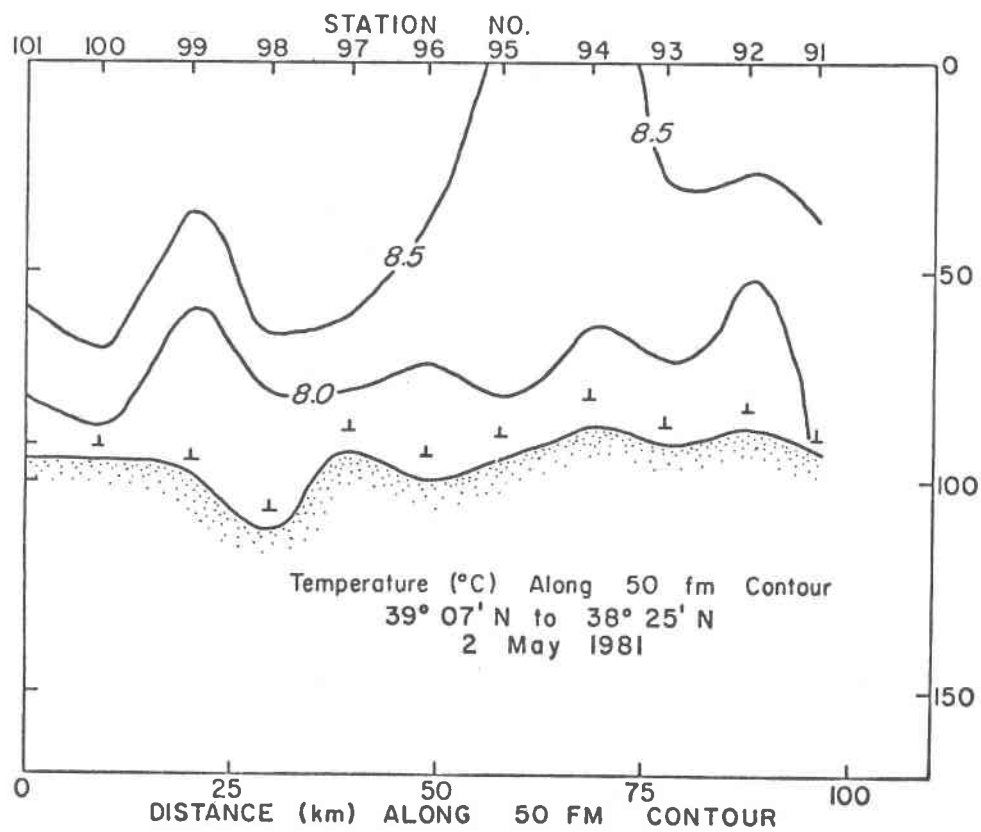


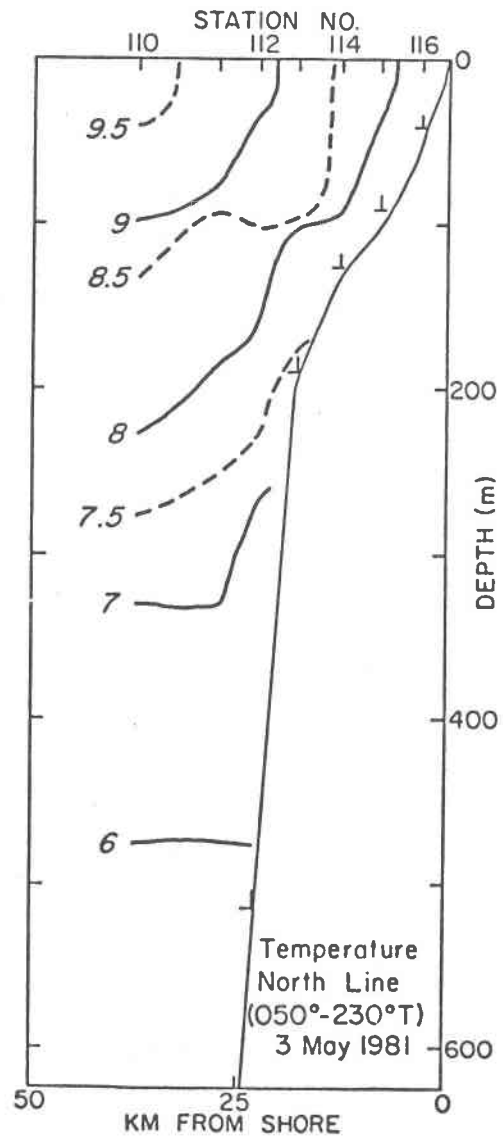
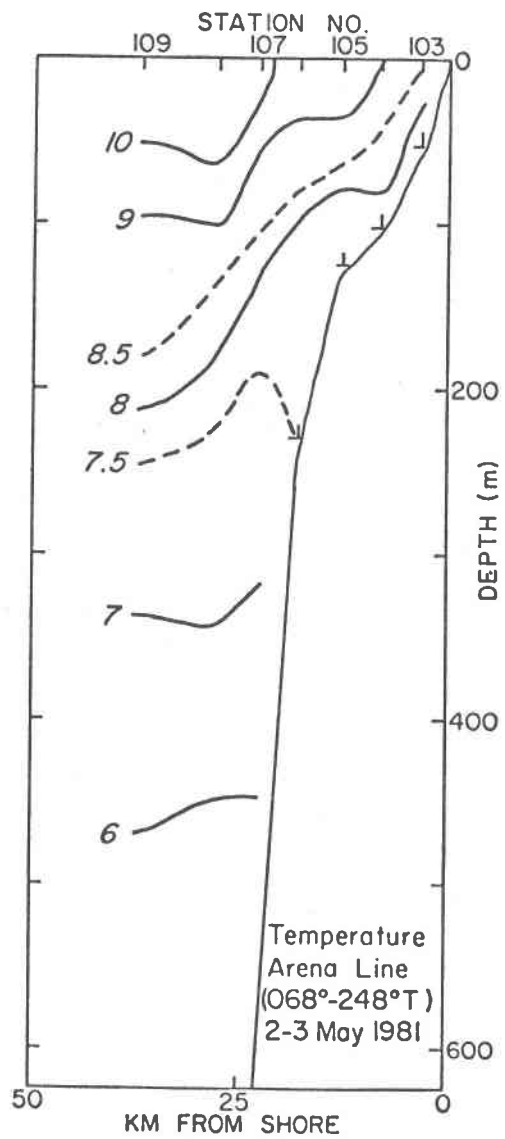


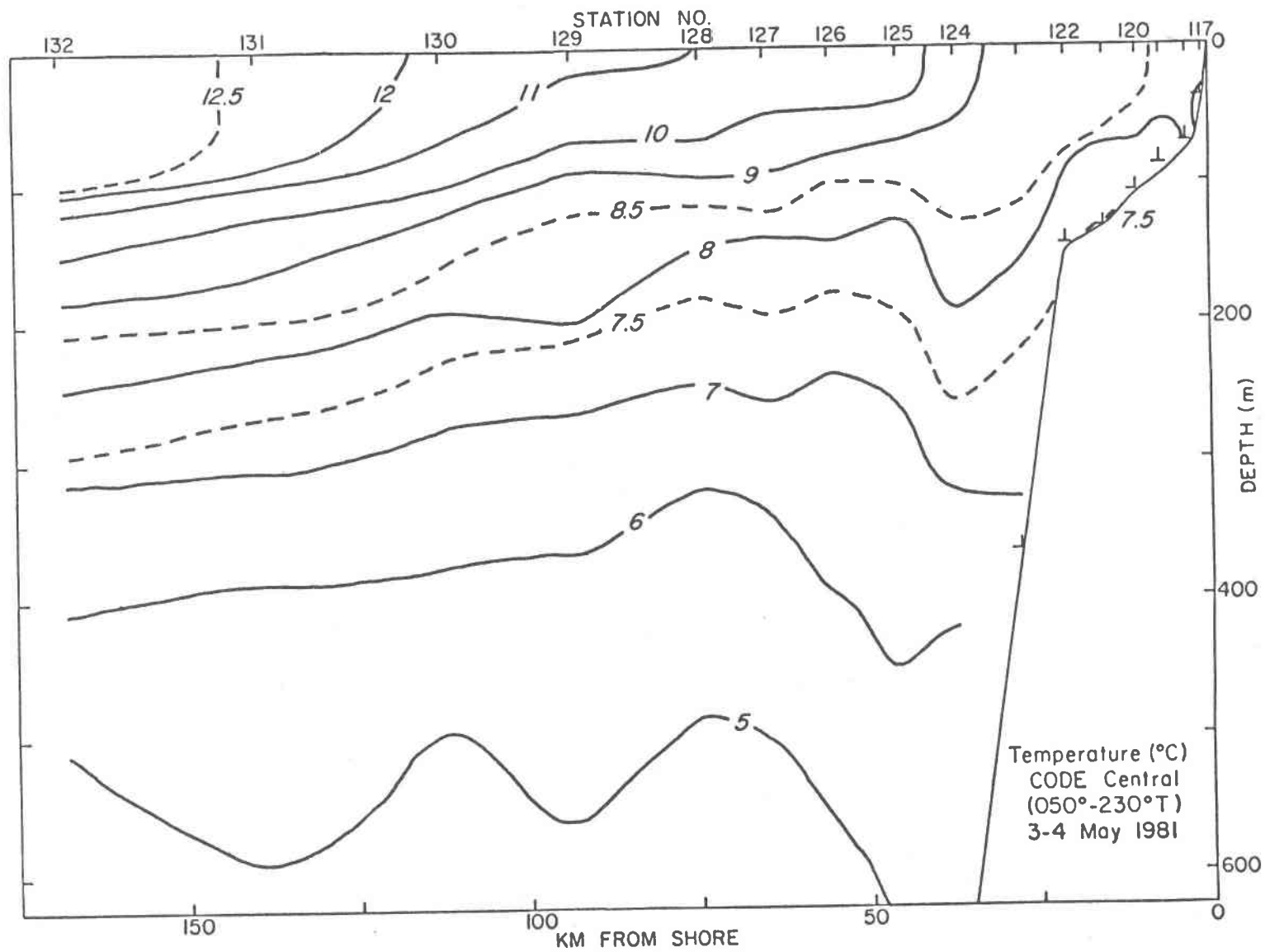


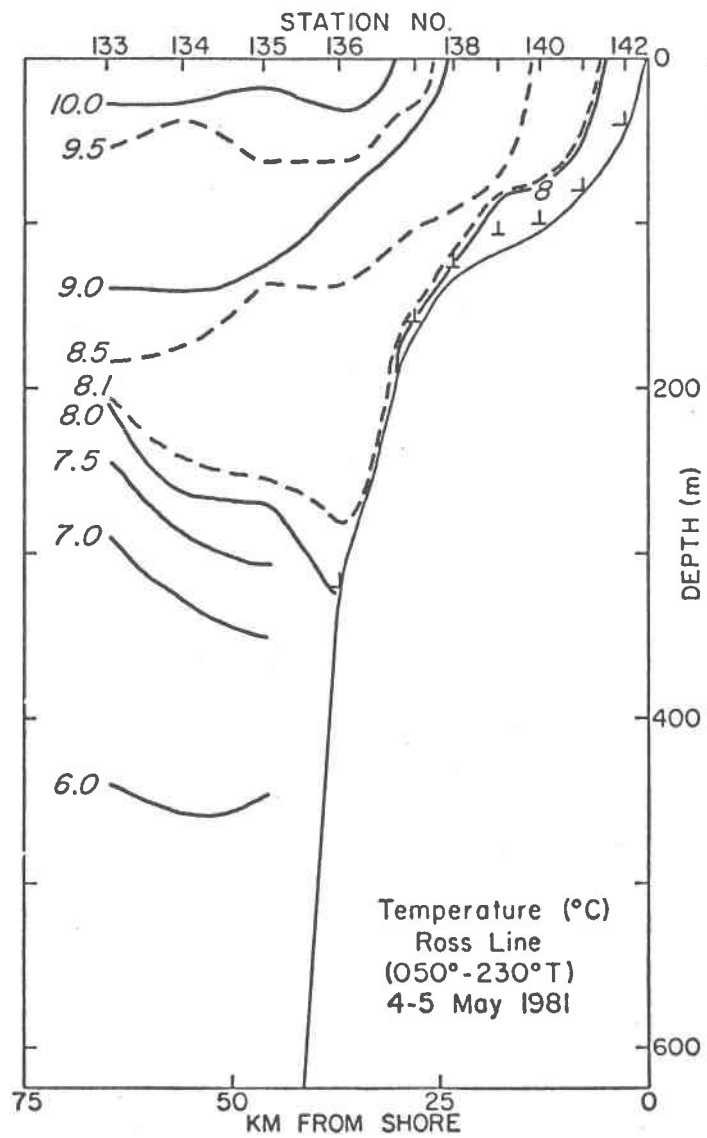


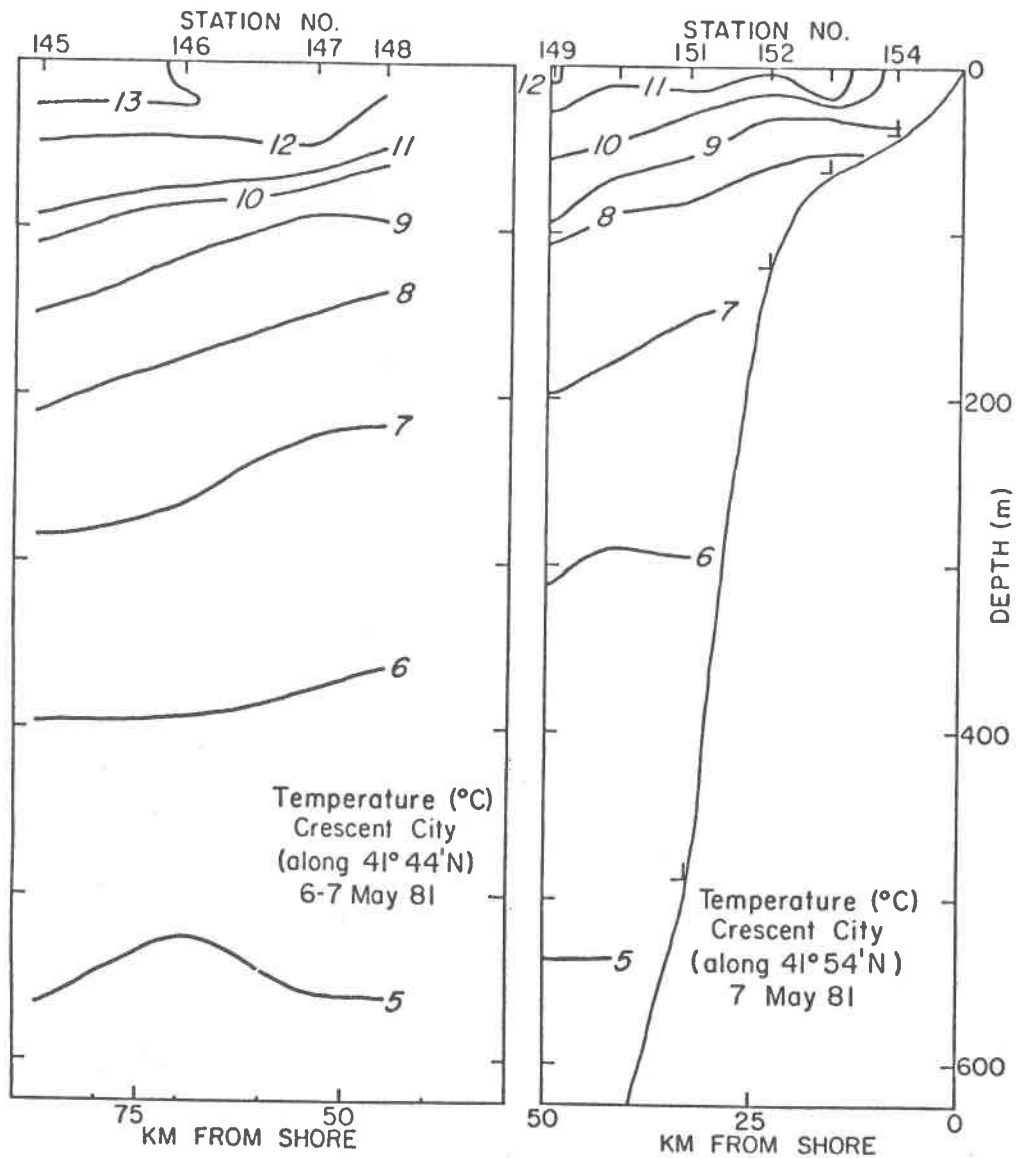


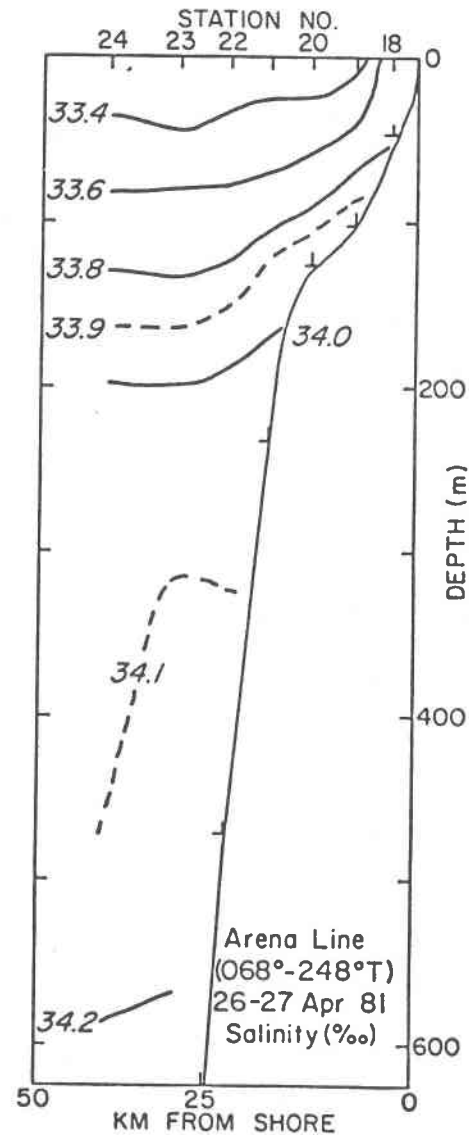
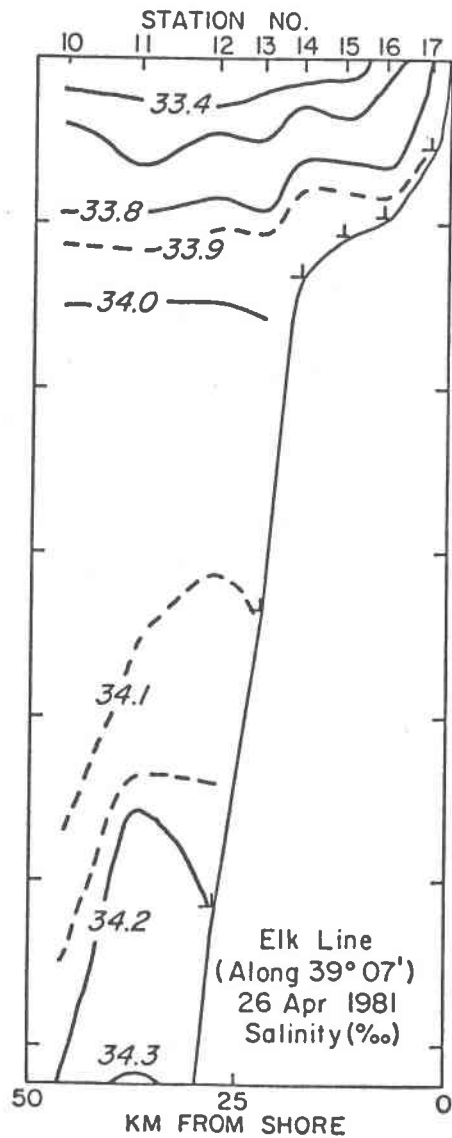
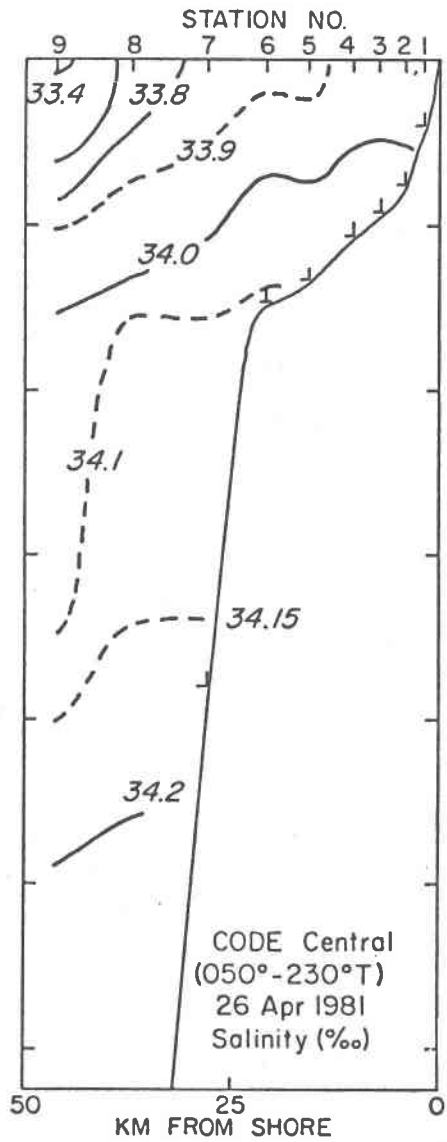


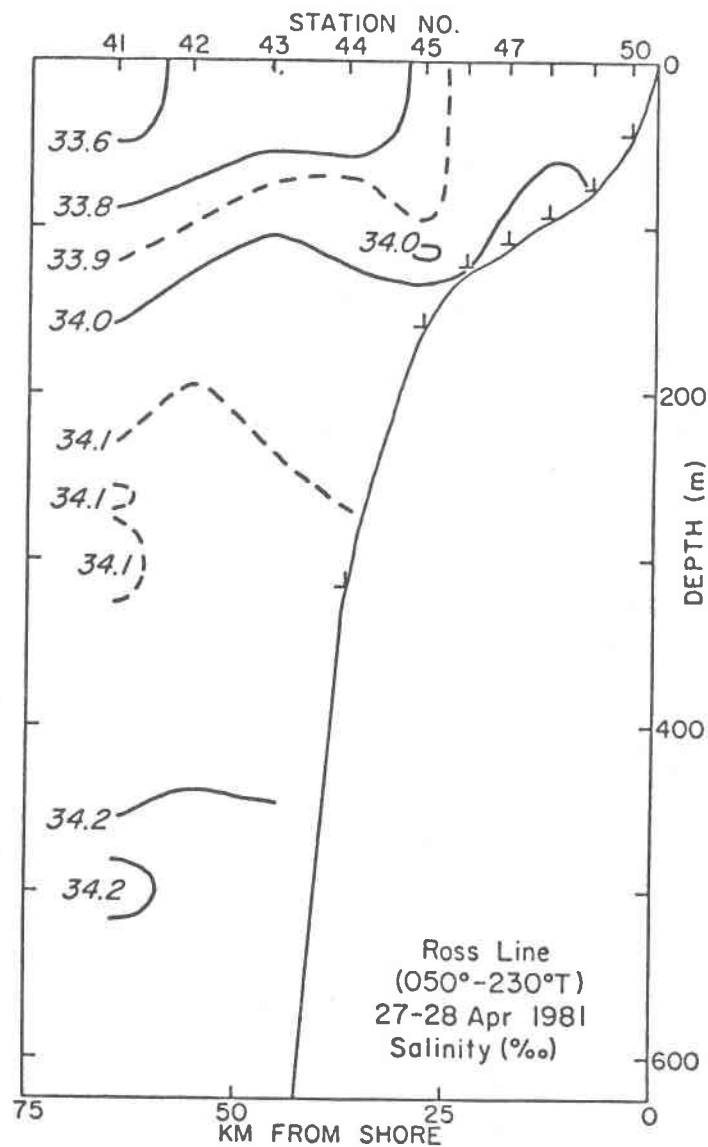
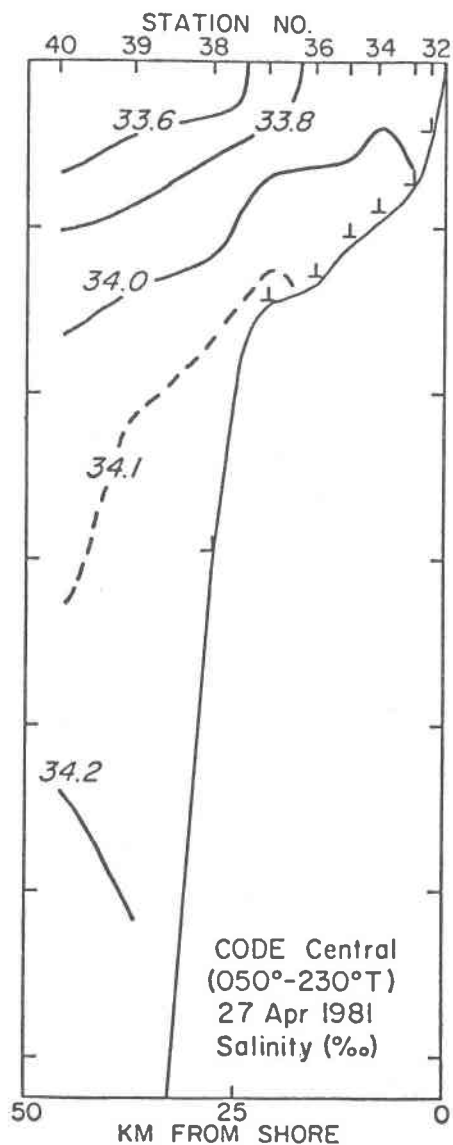
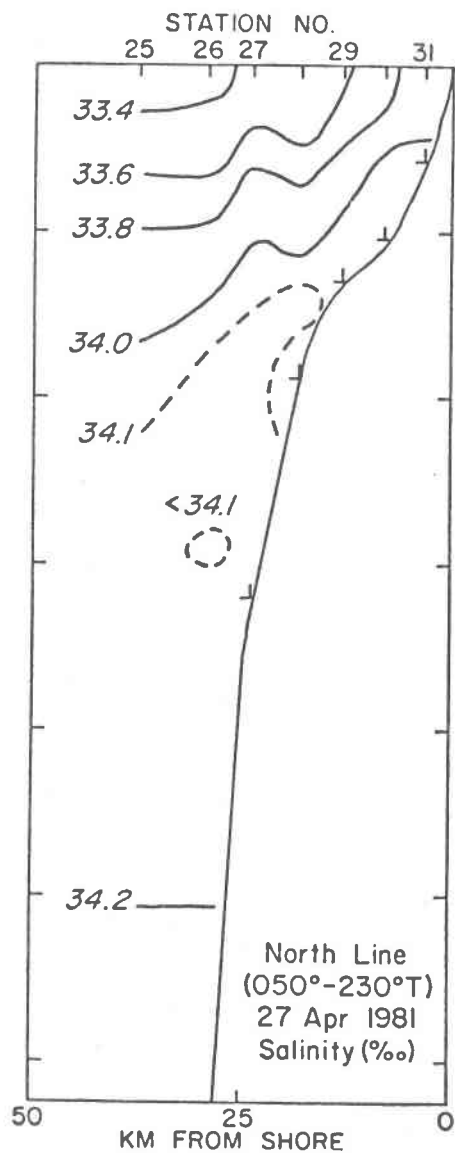


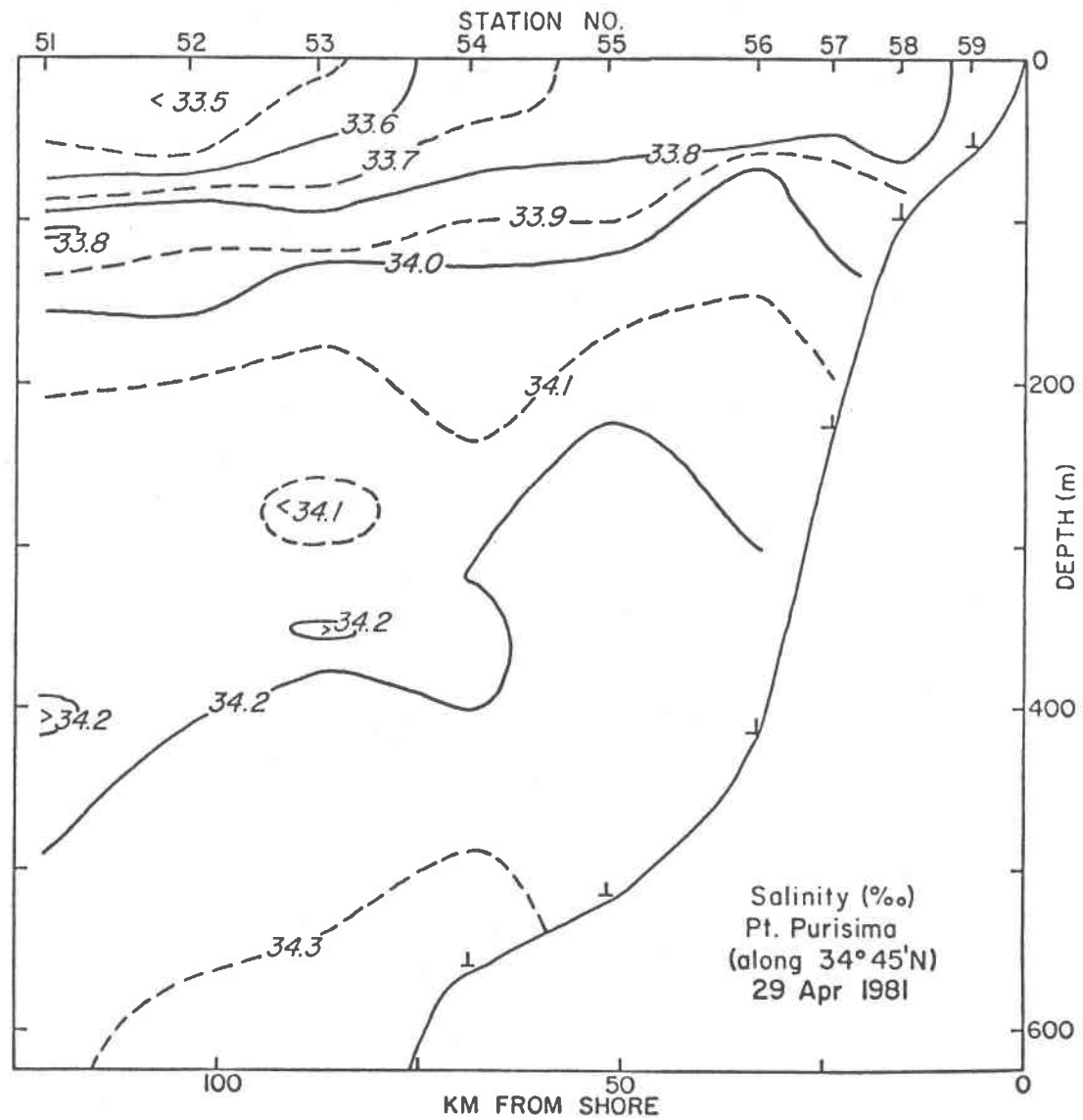


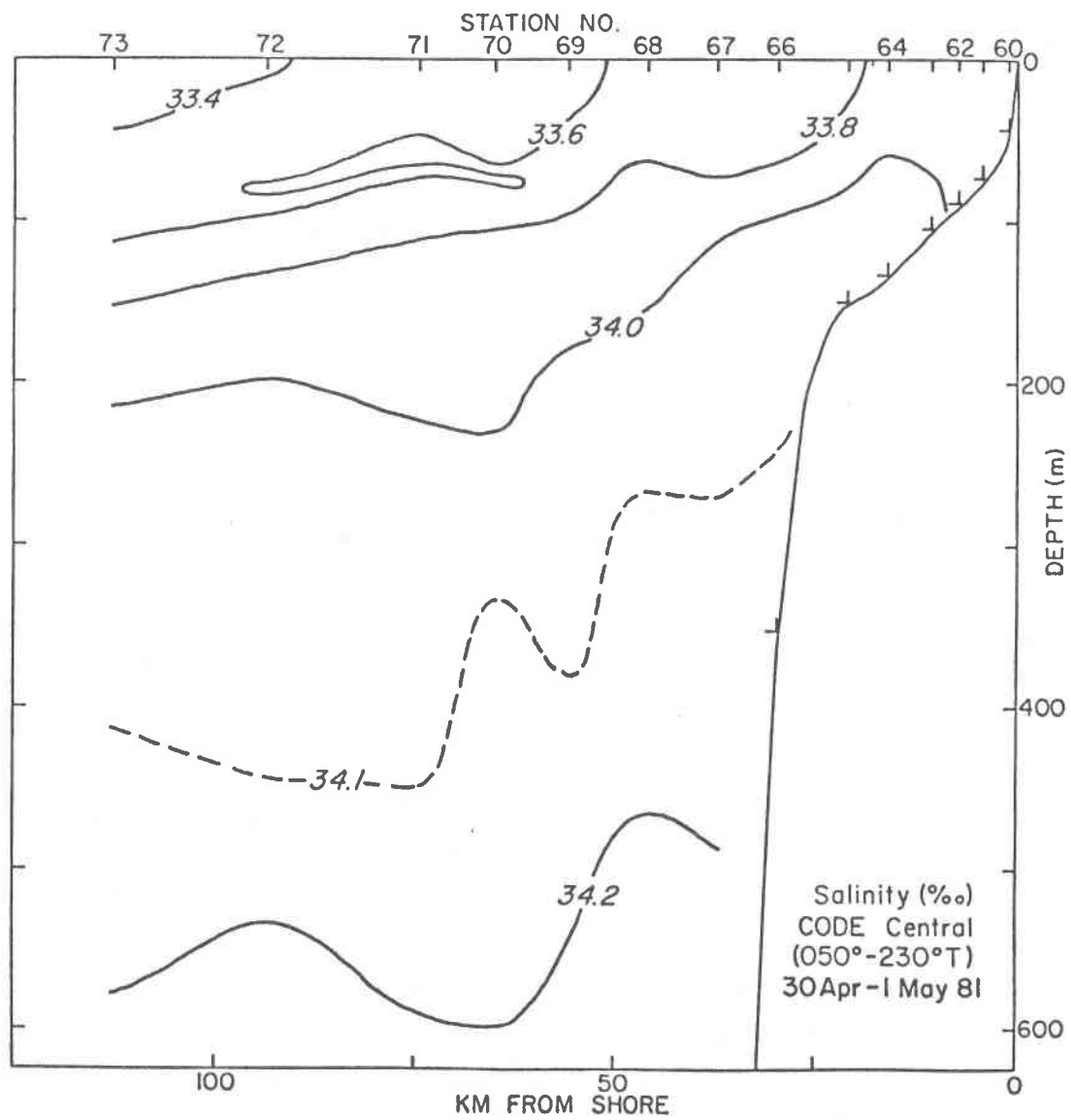


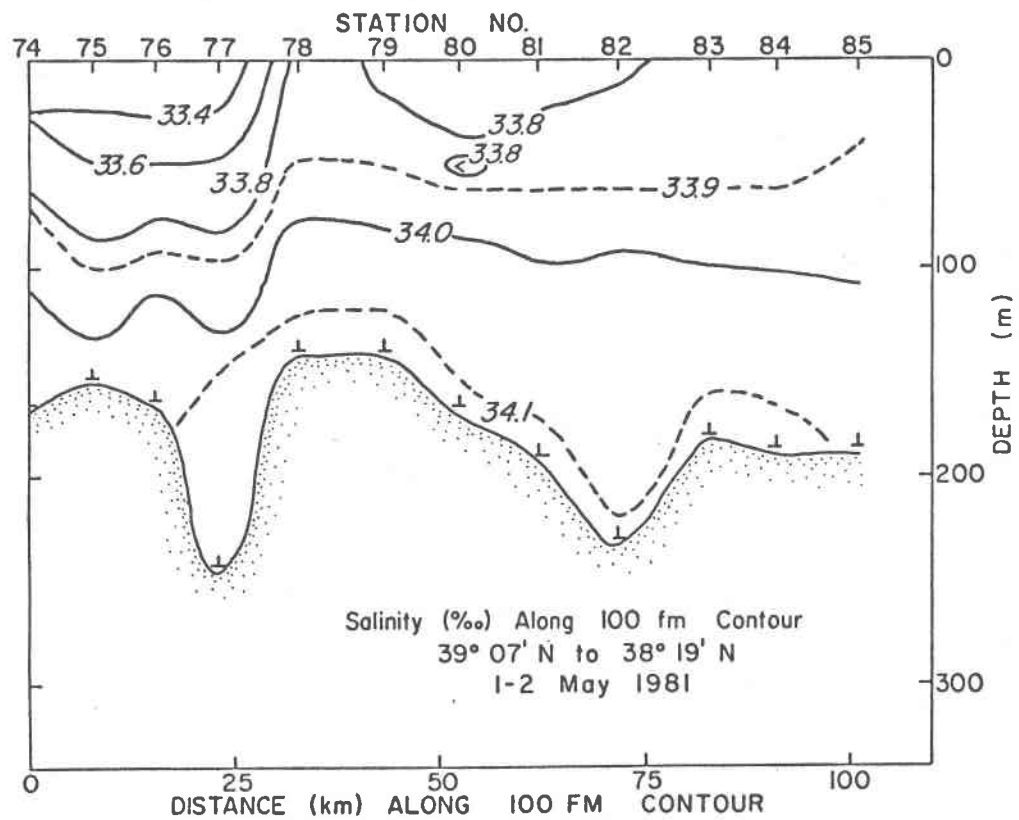


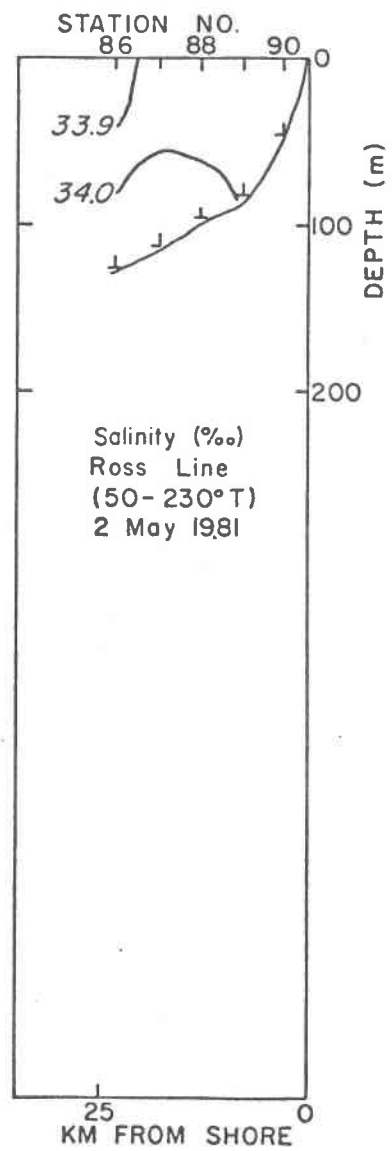


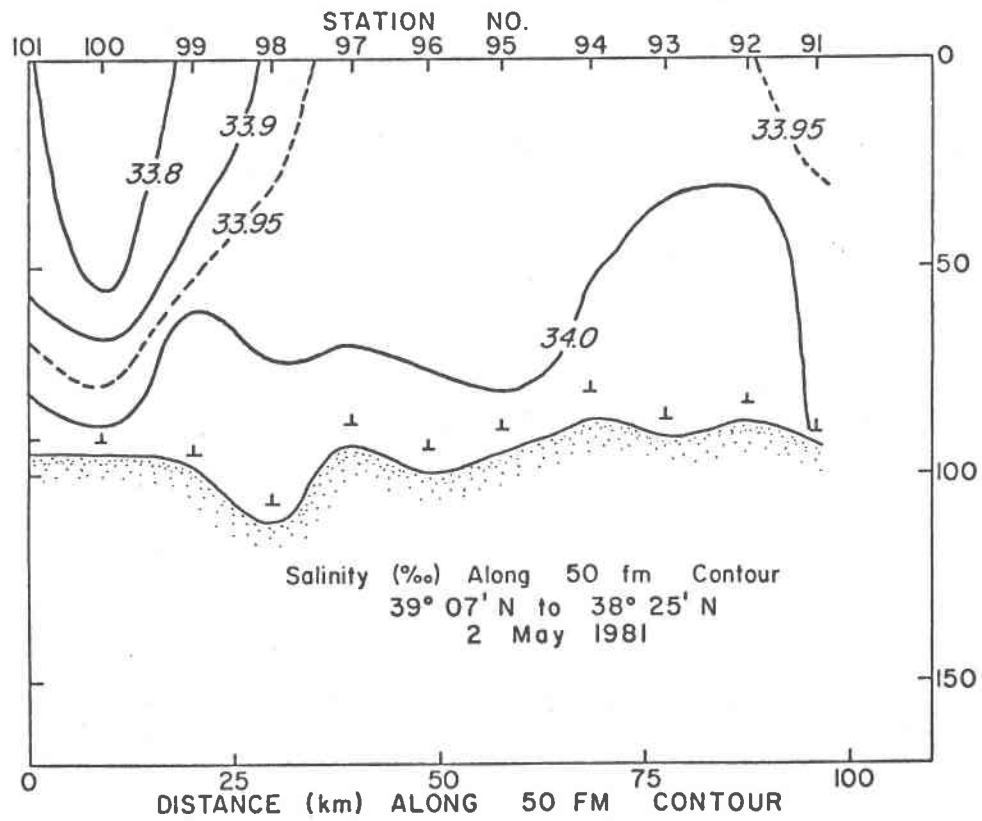


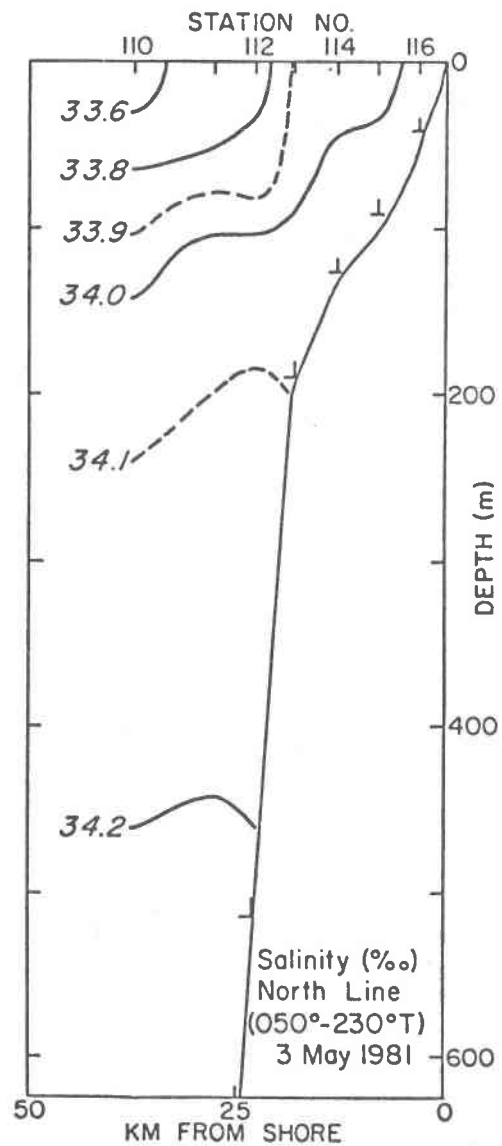
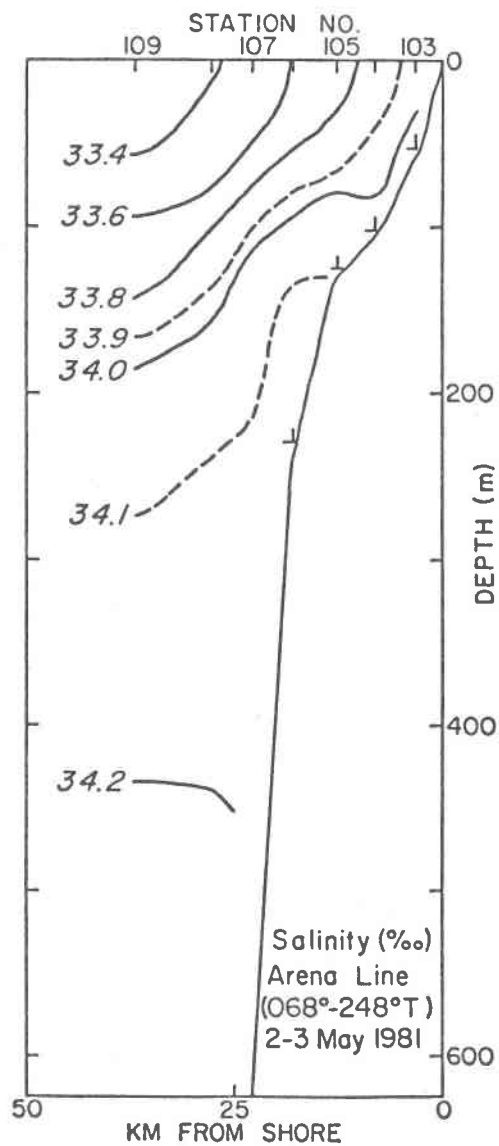


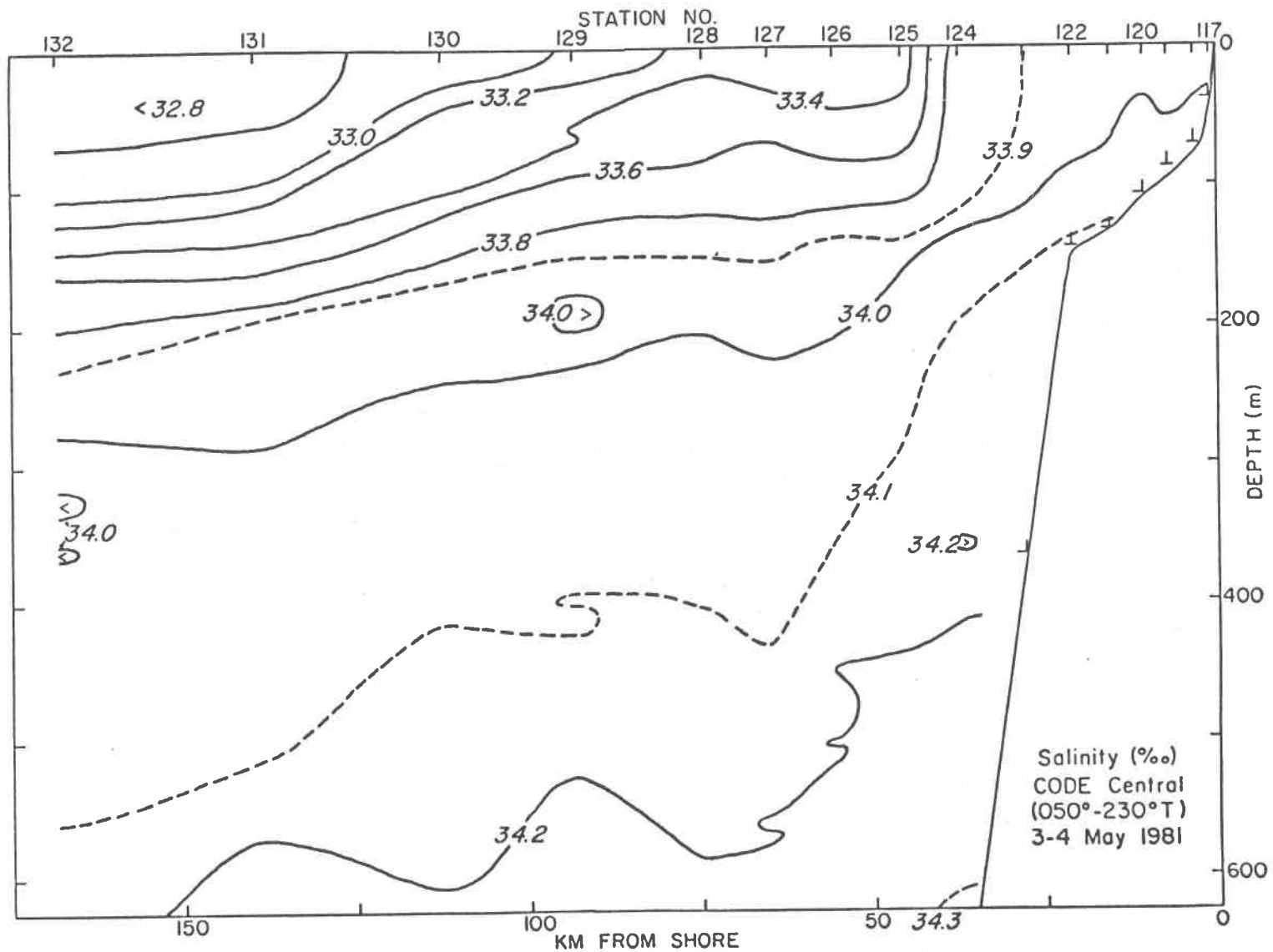


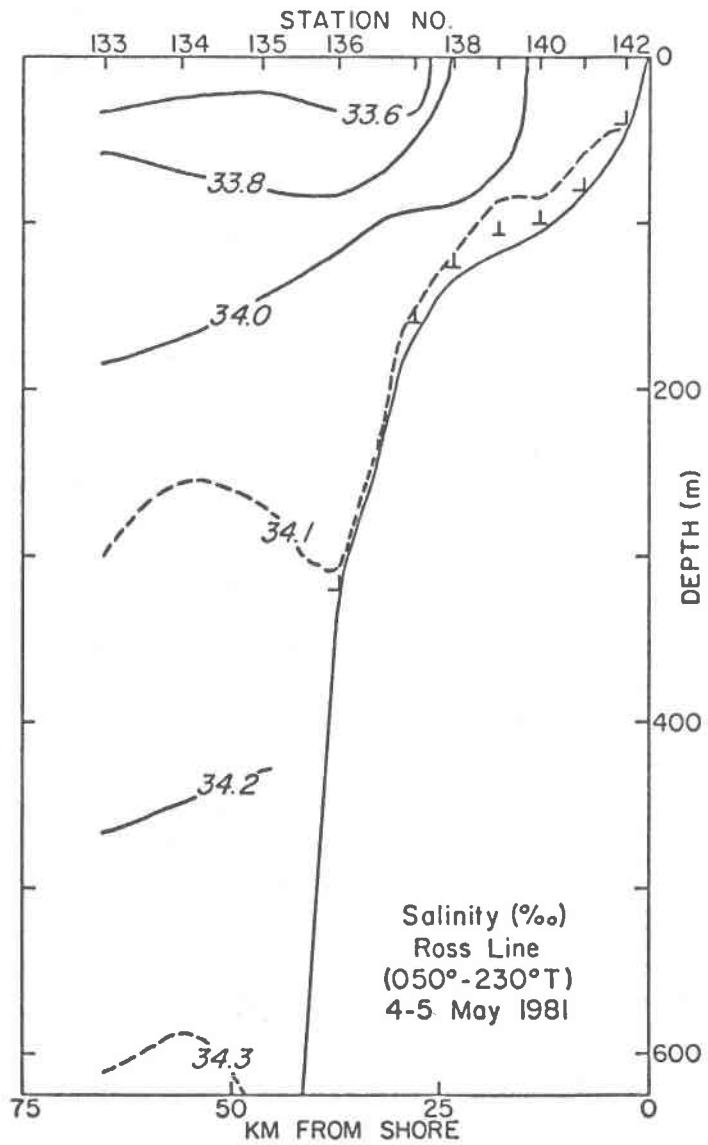


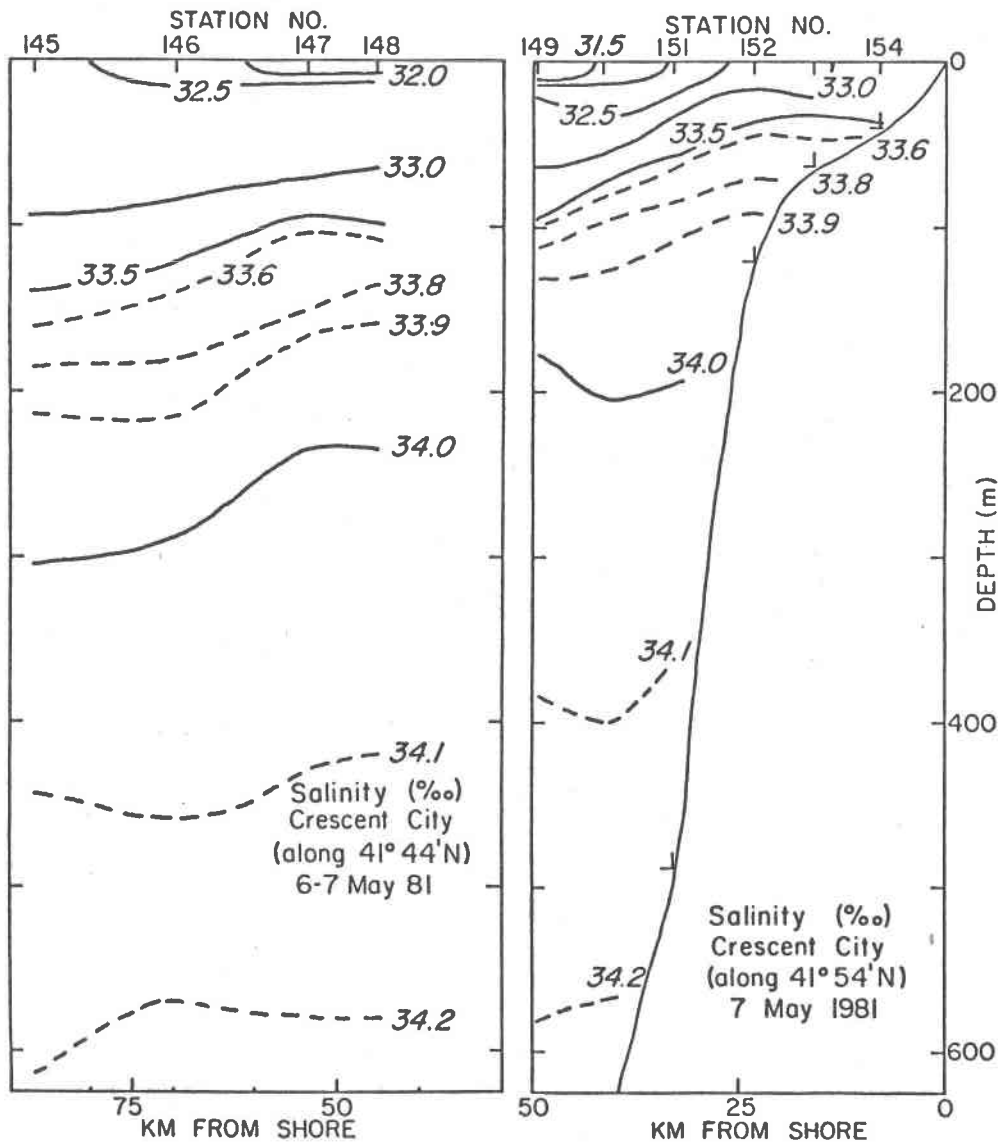


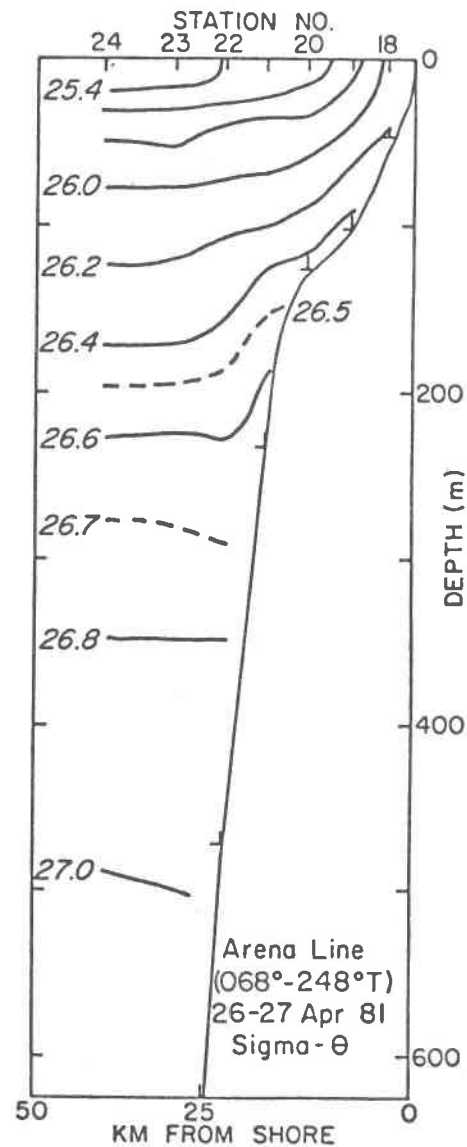
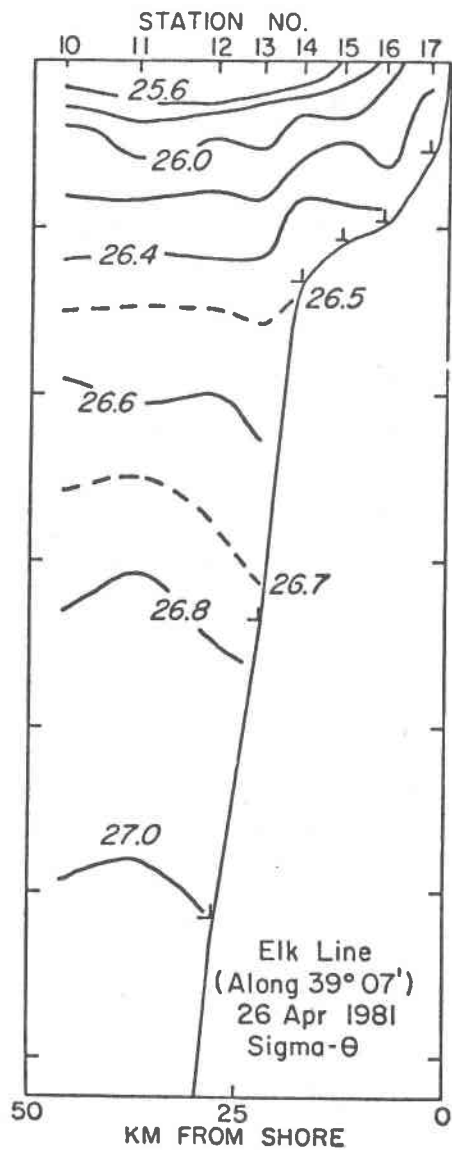
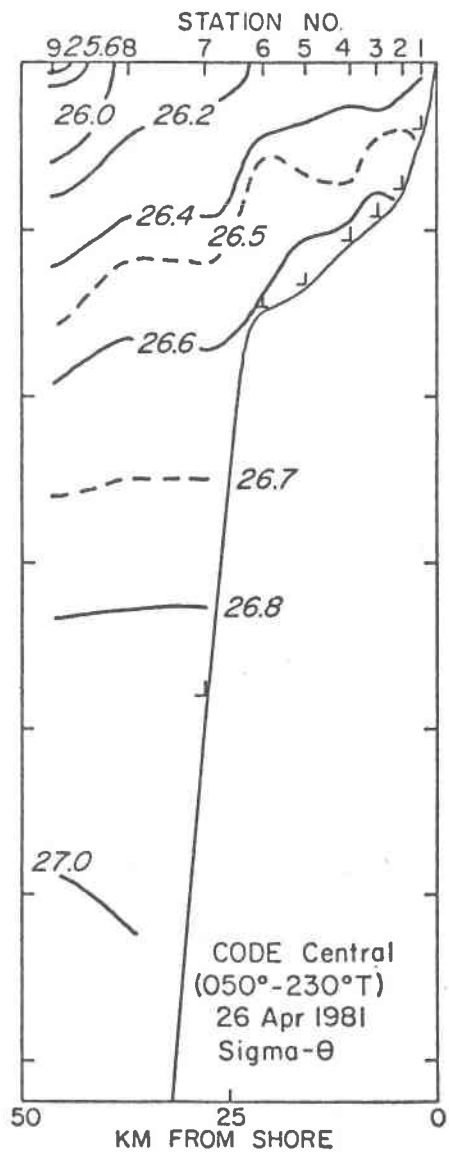


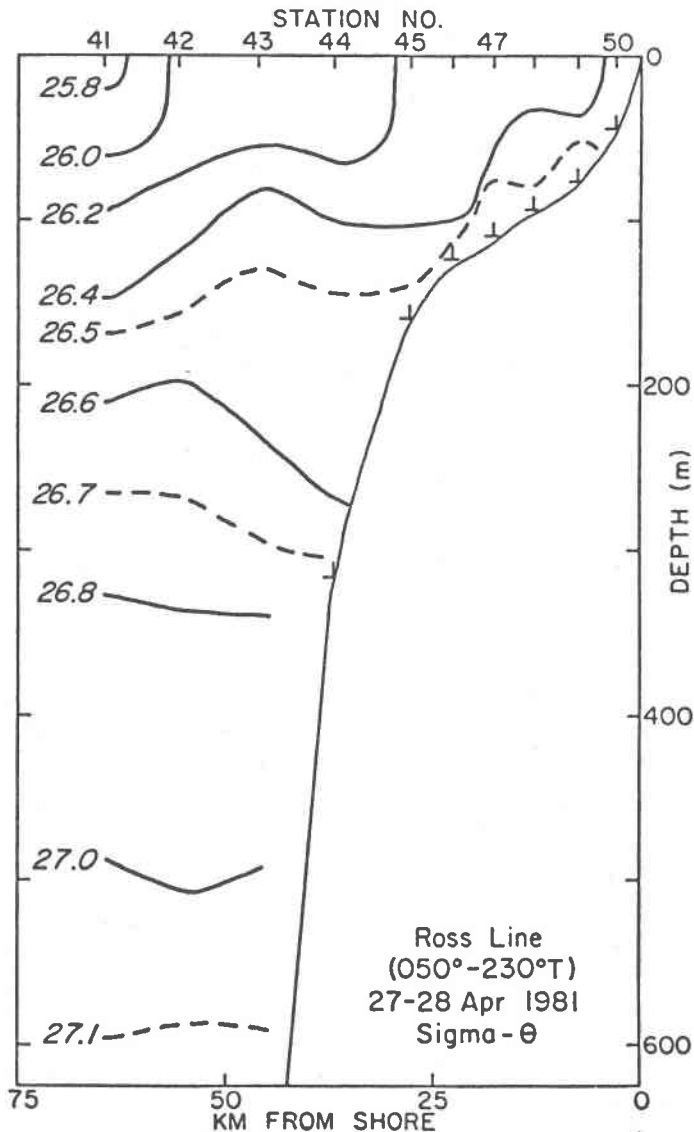
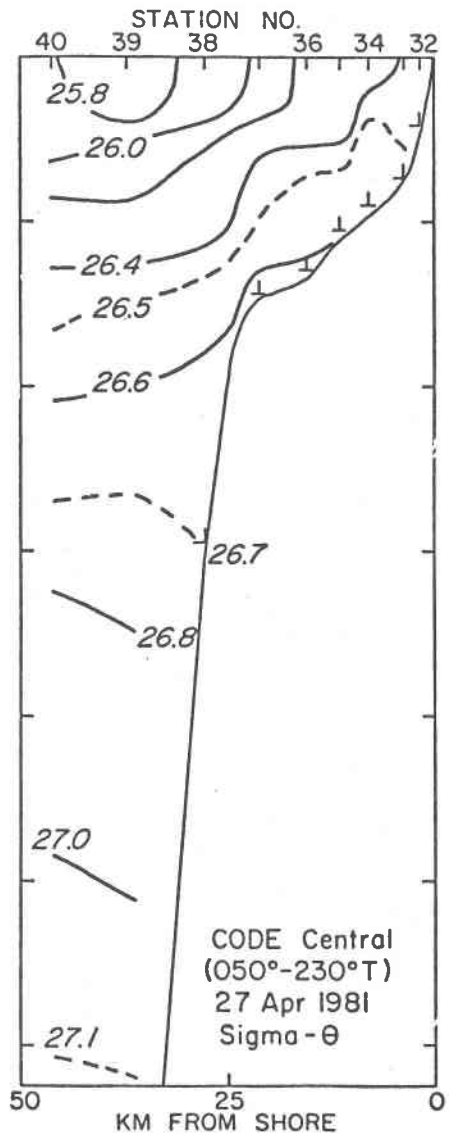
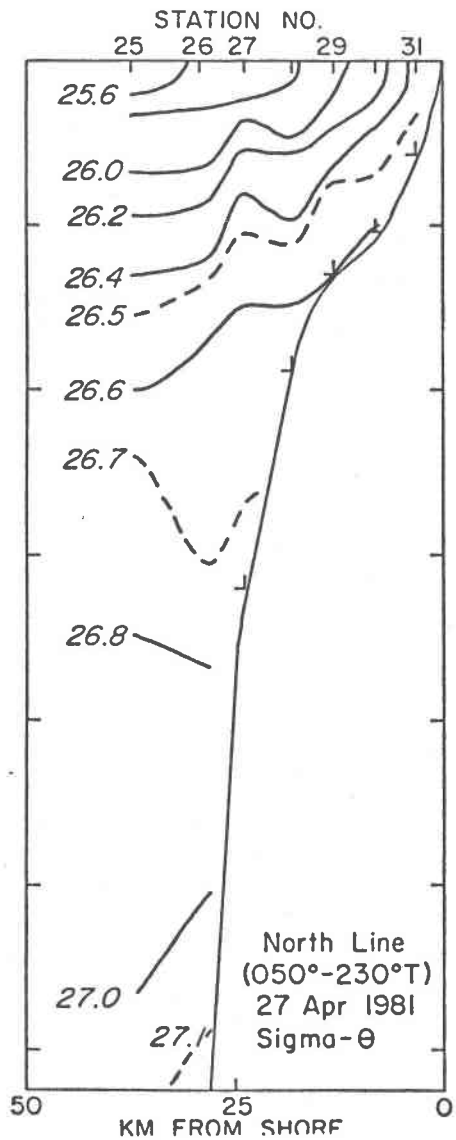


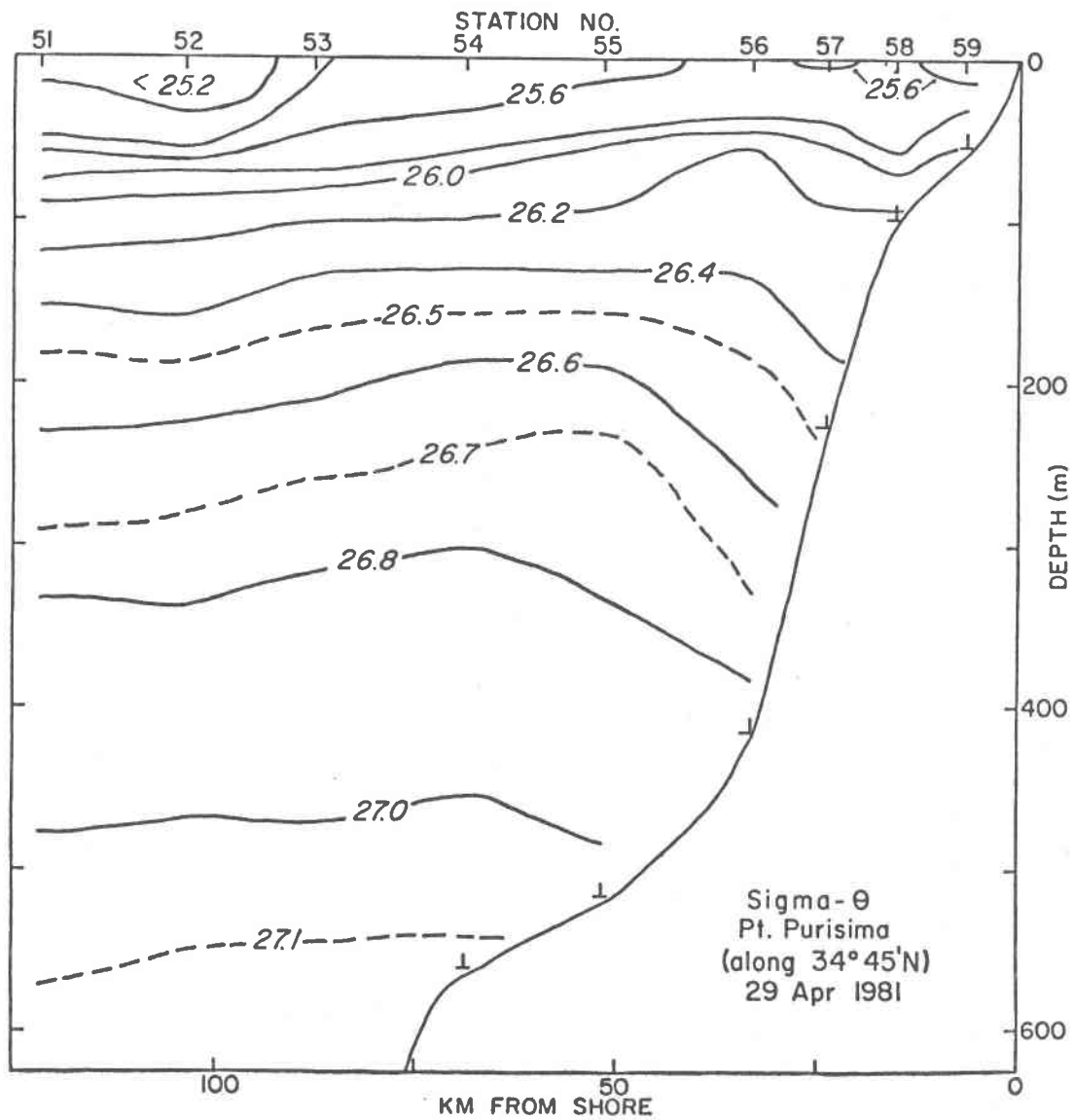


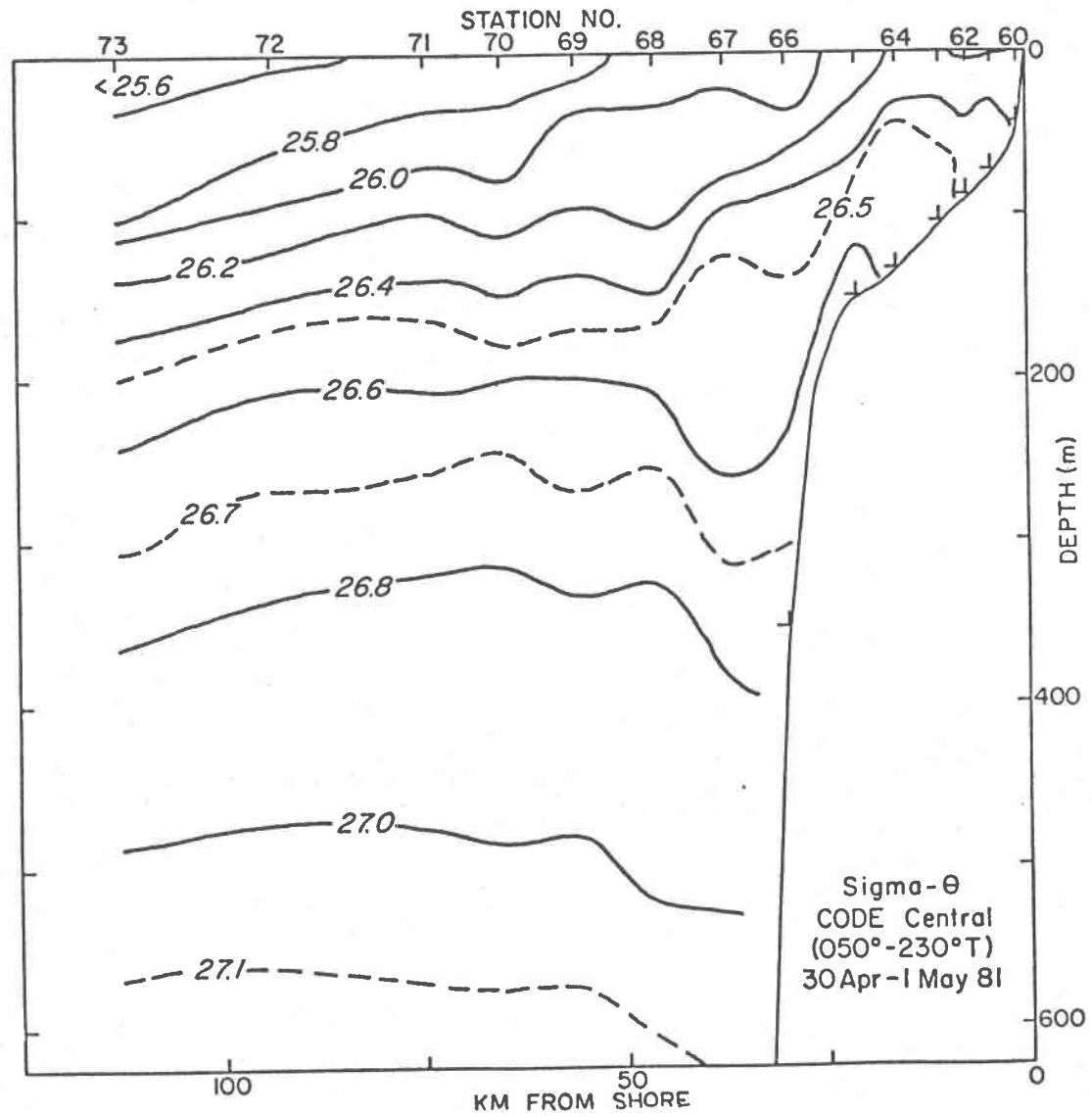


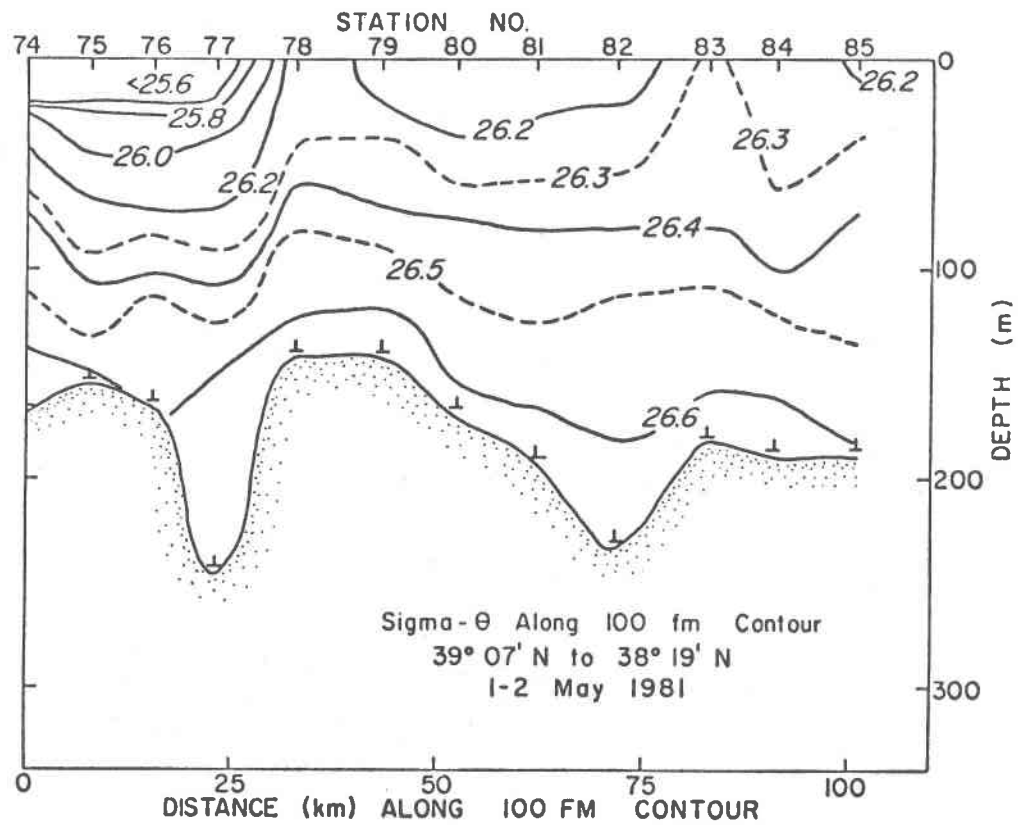


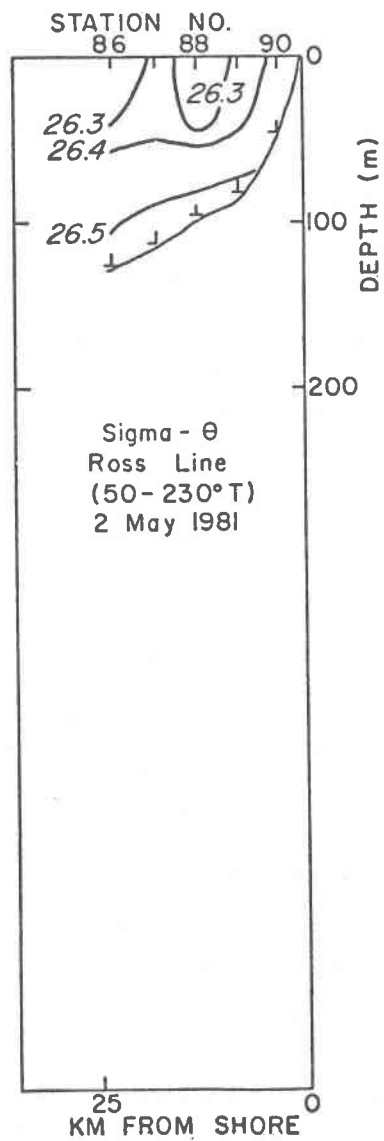


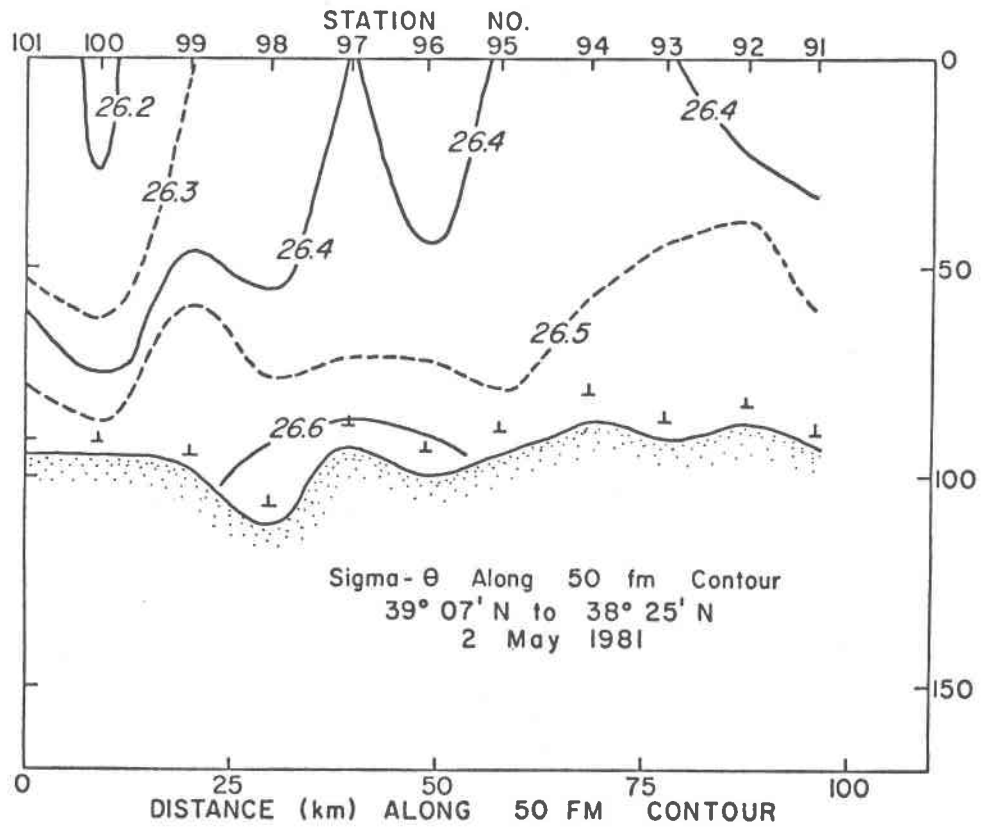


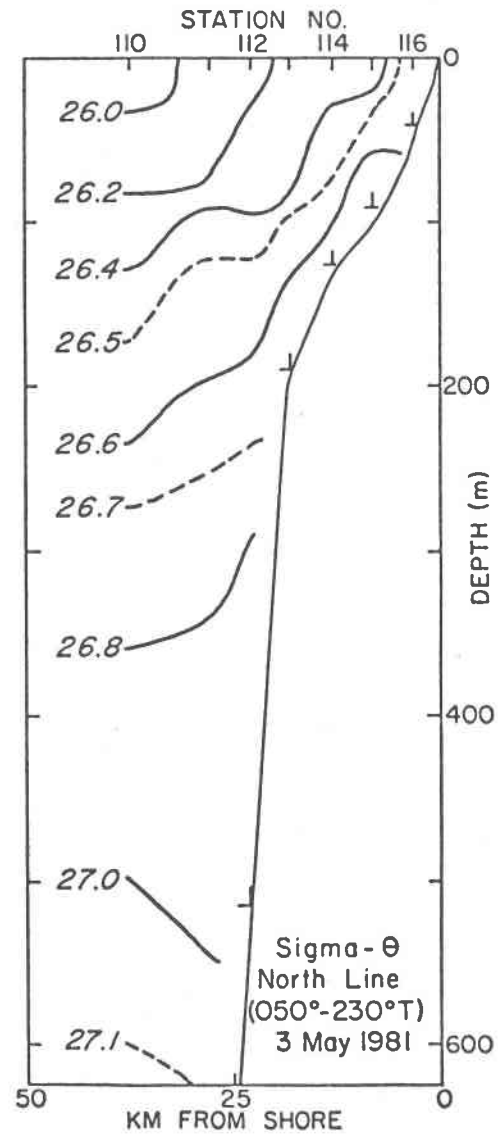
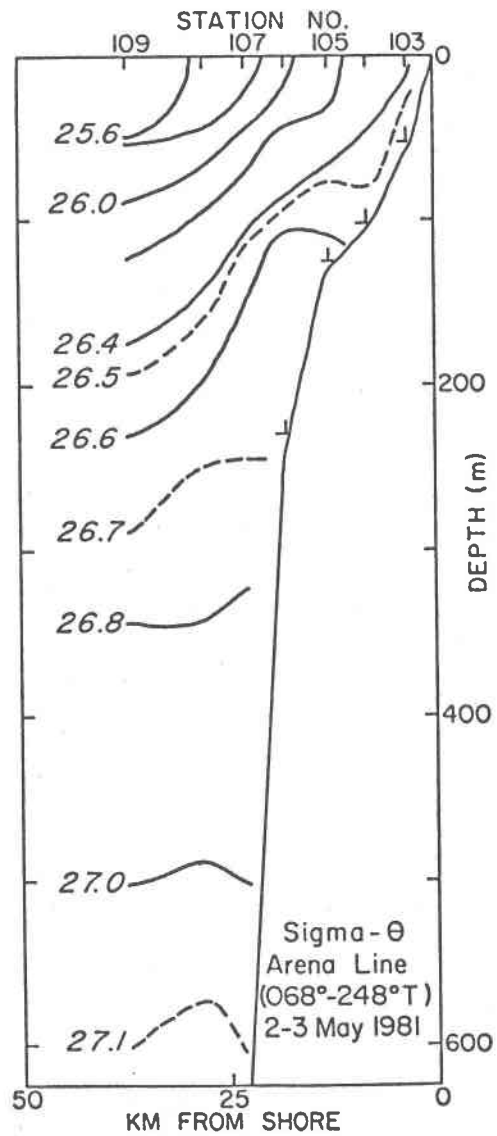


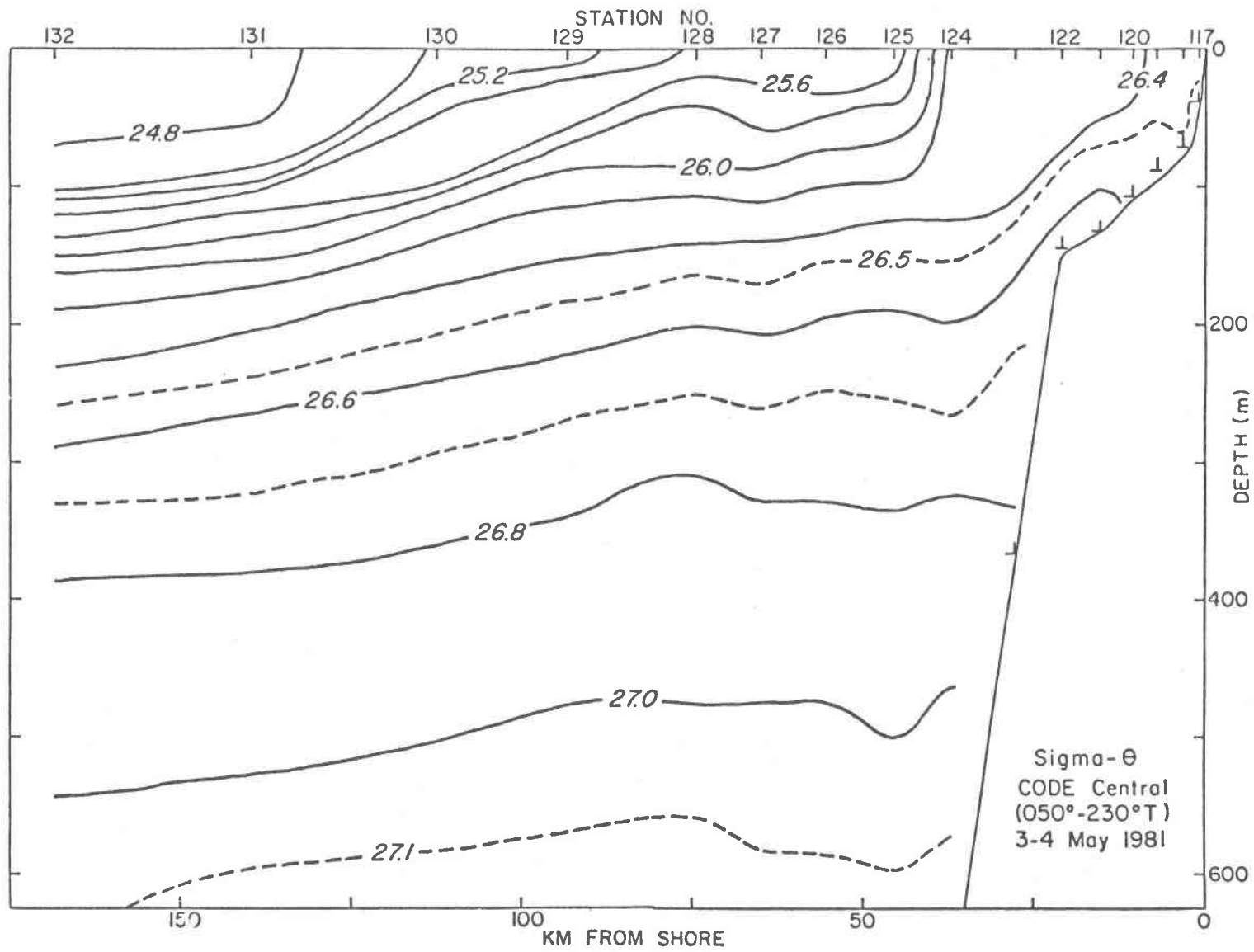


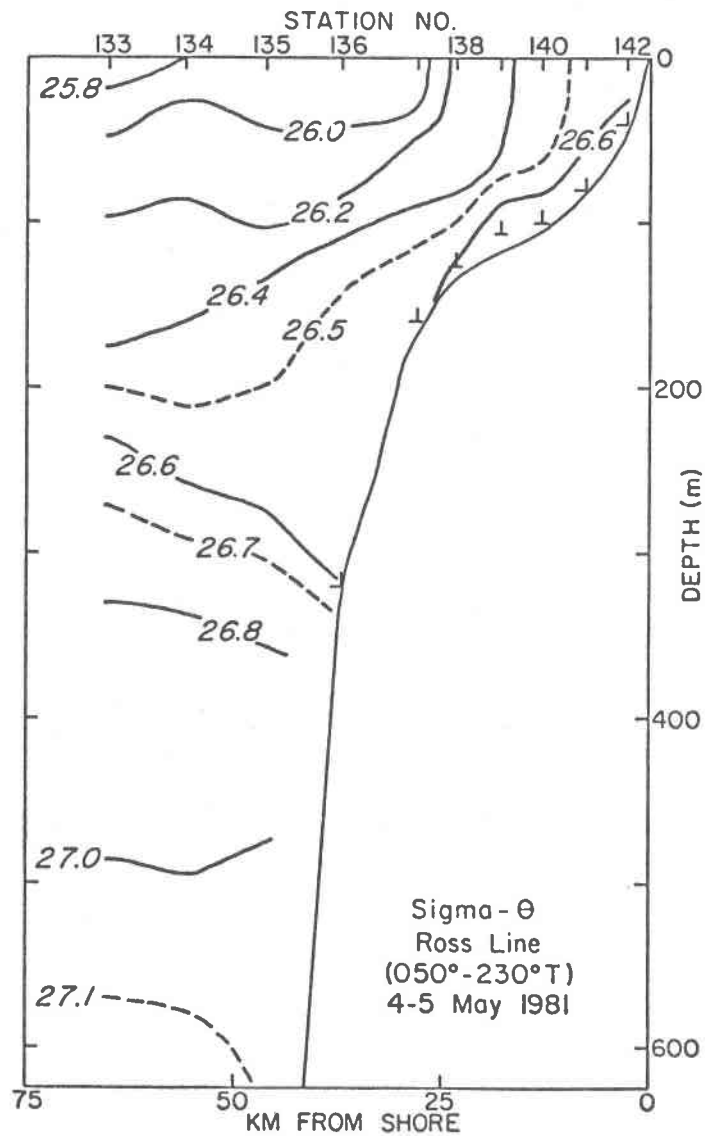


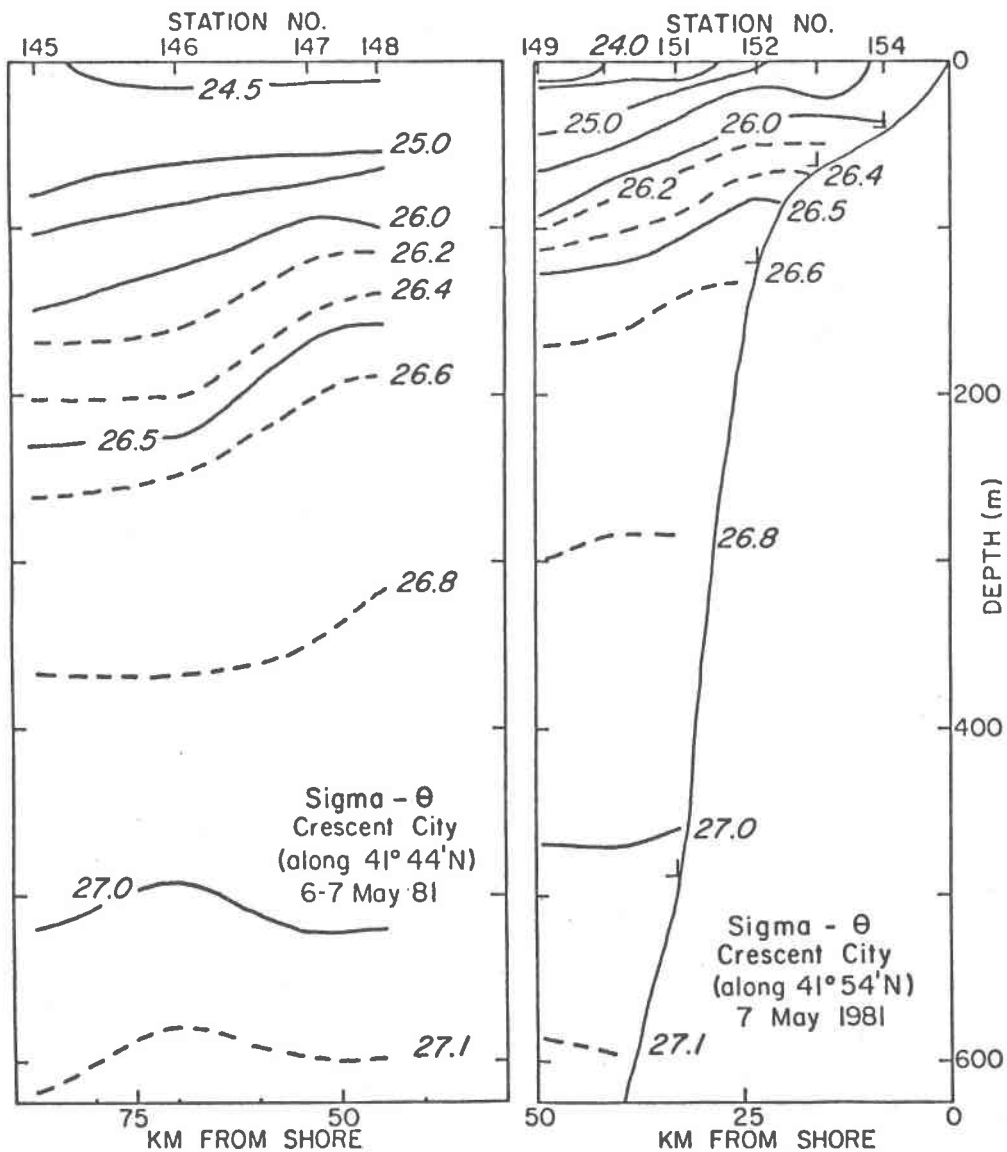




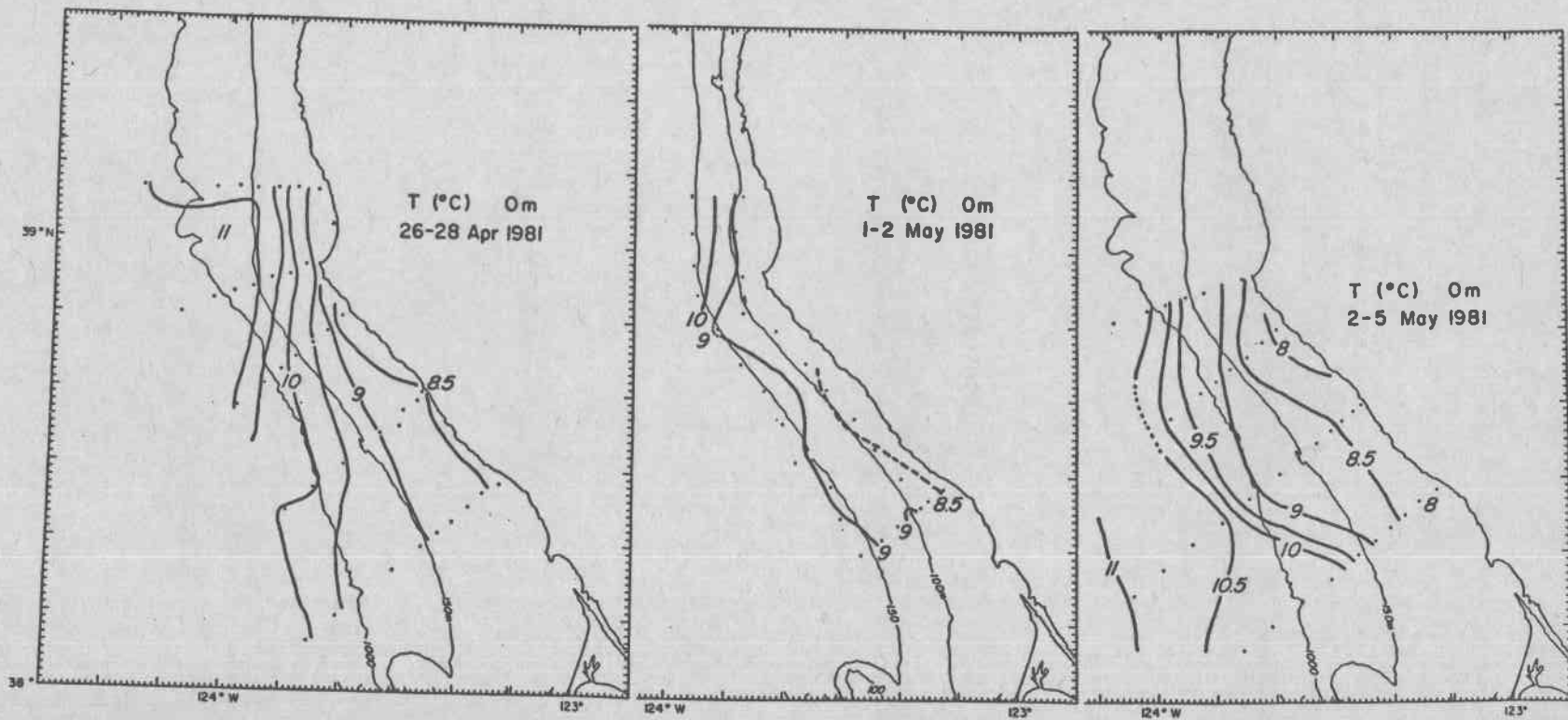


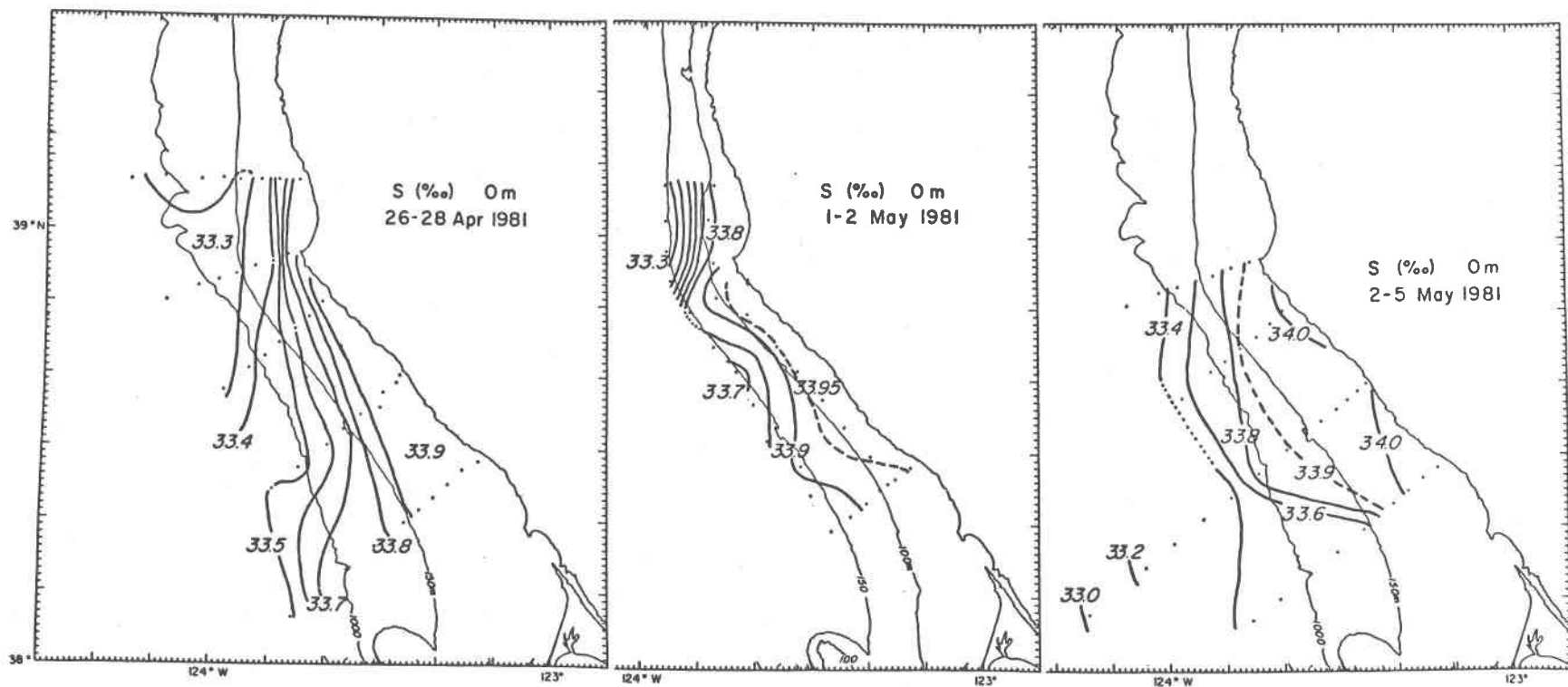


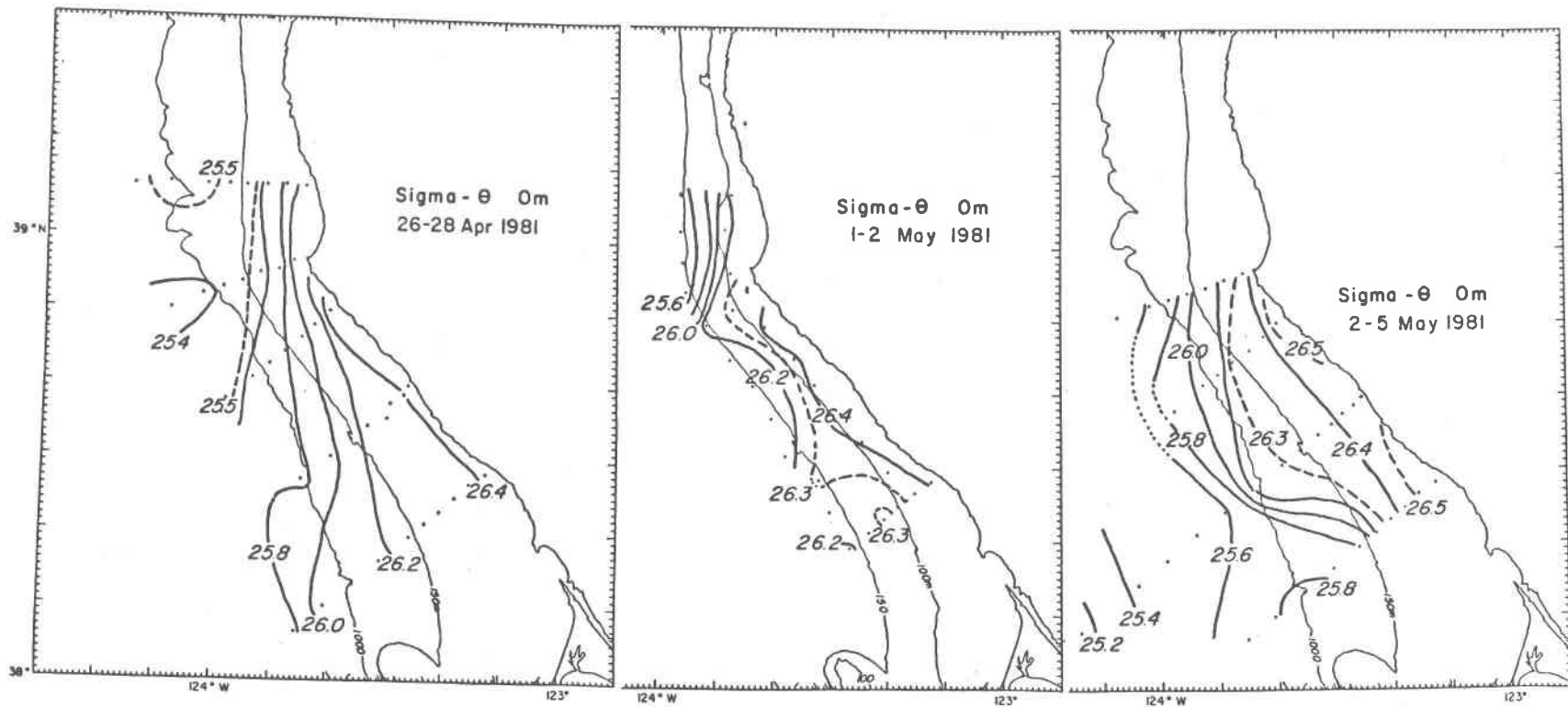


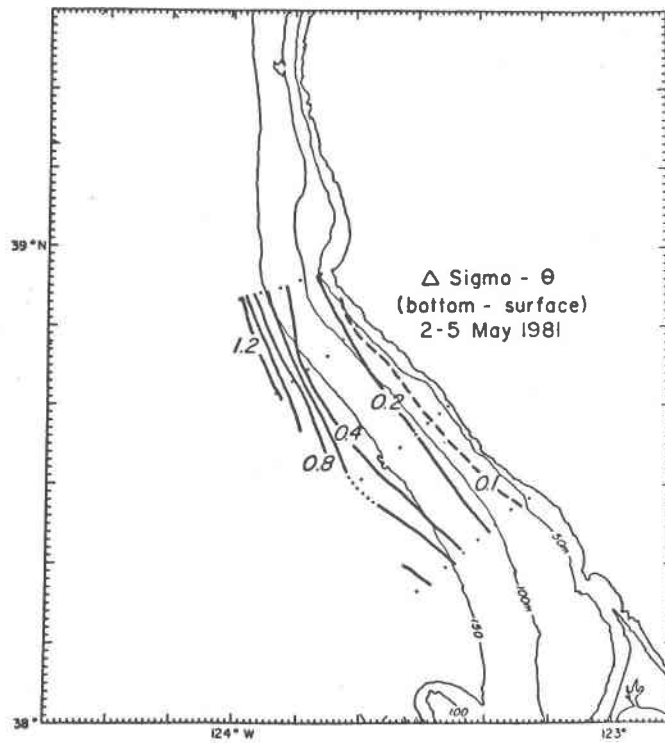
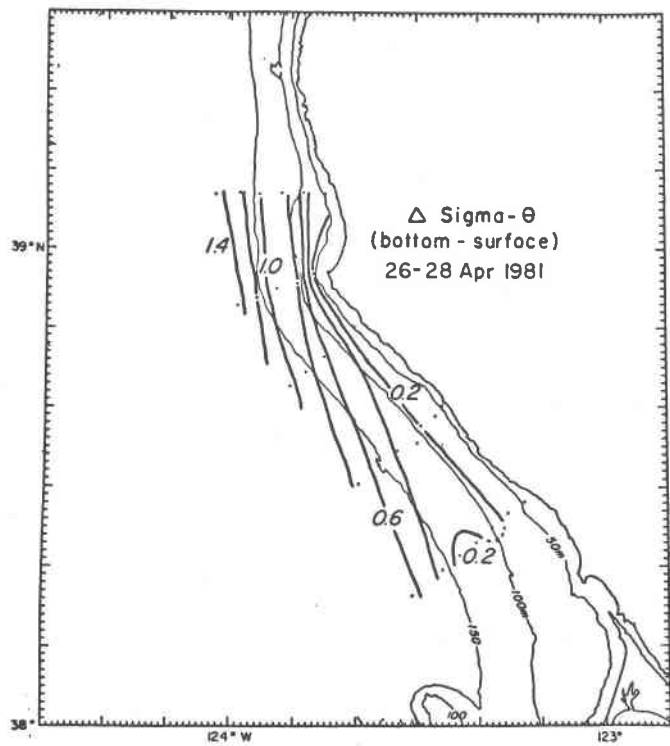


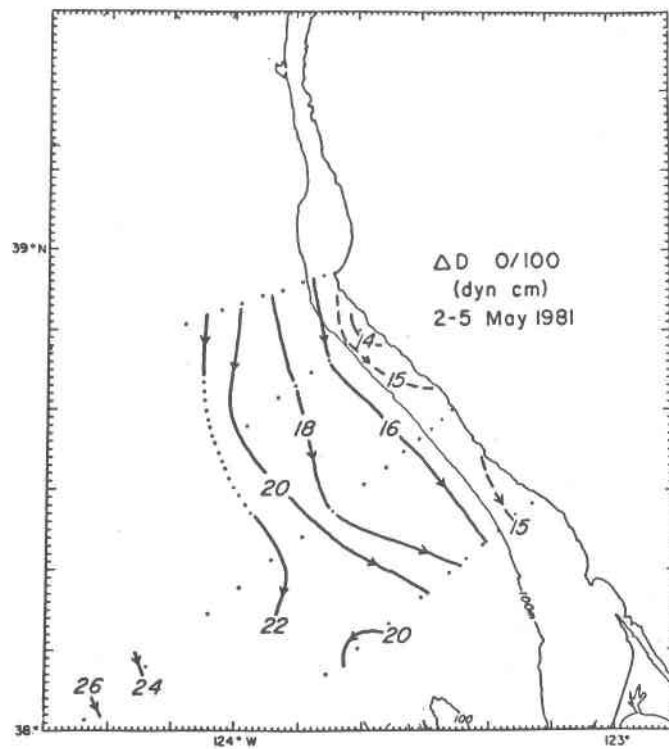
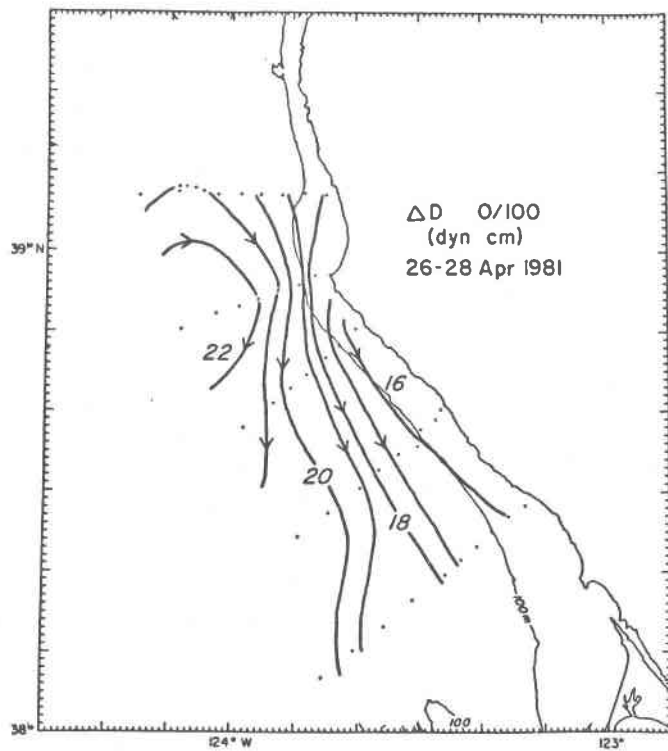
MESOSCALE MAPS

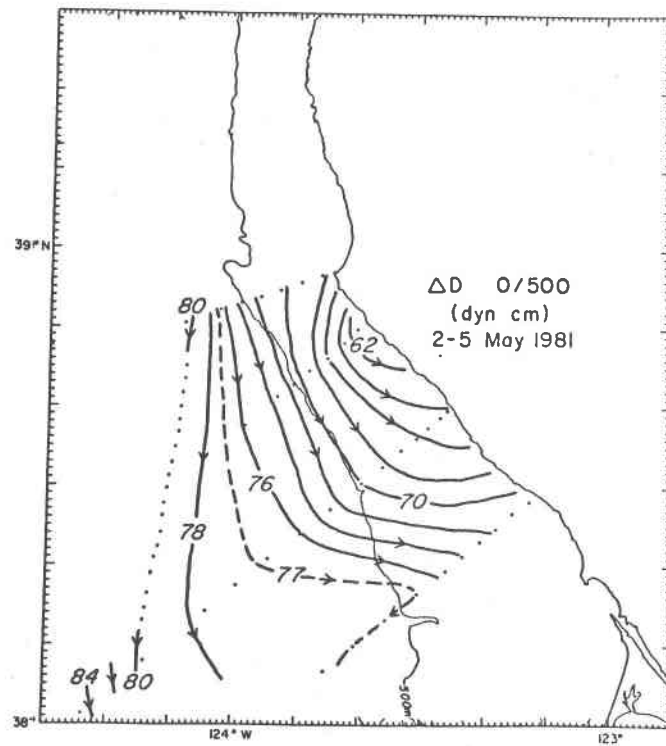
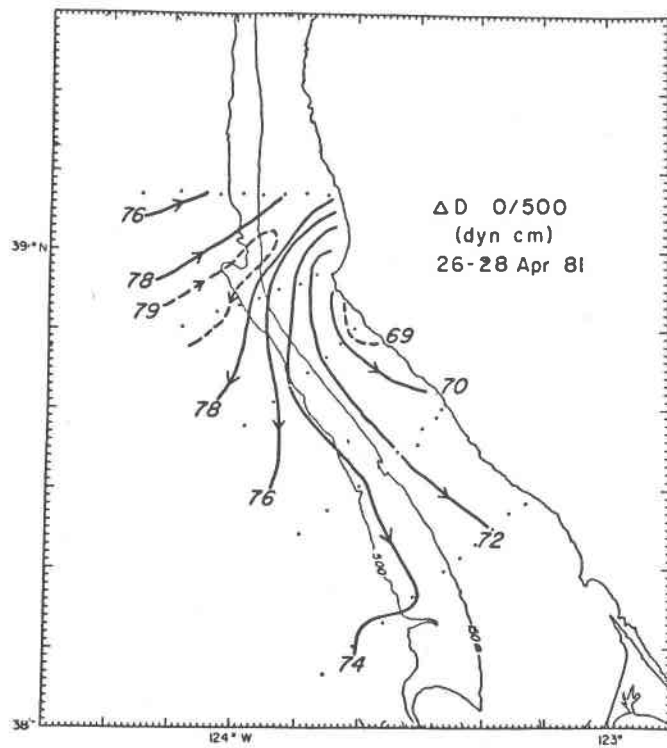


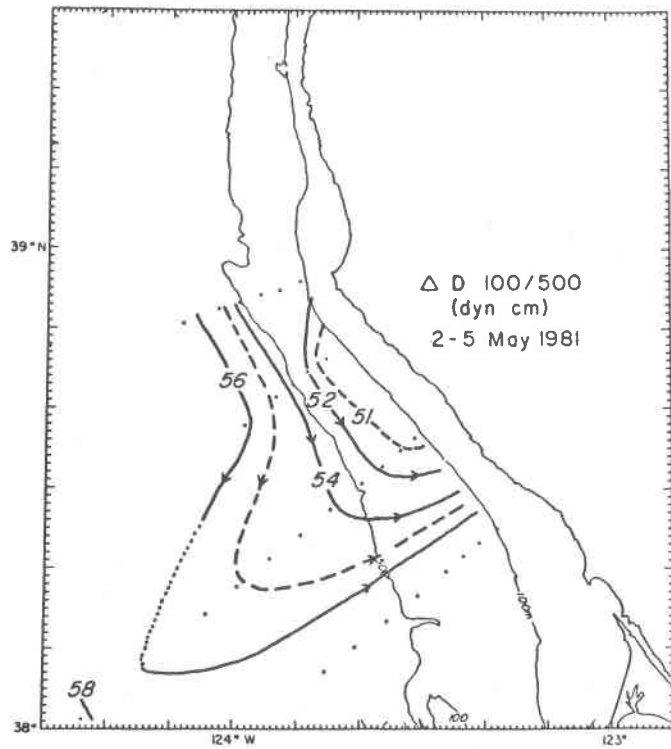
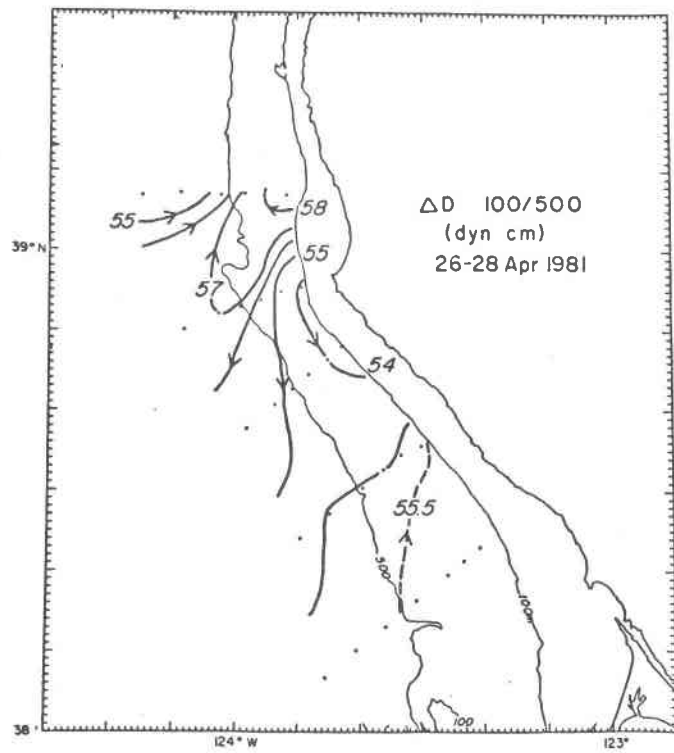


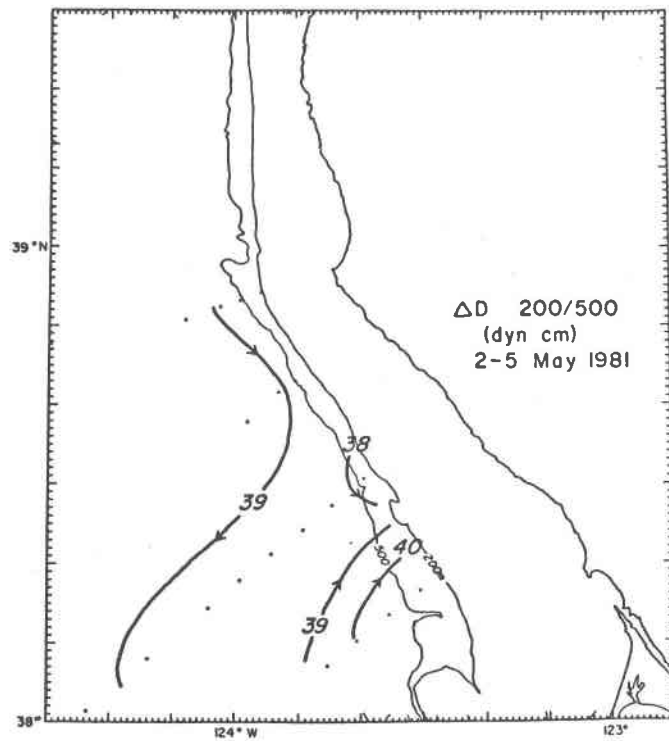
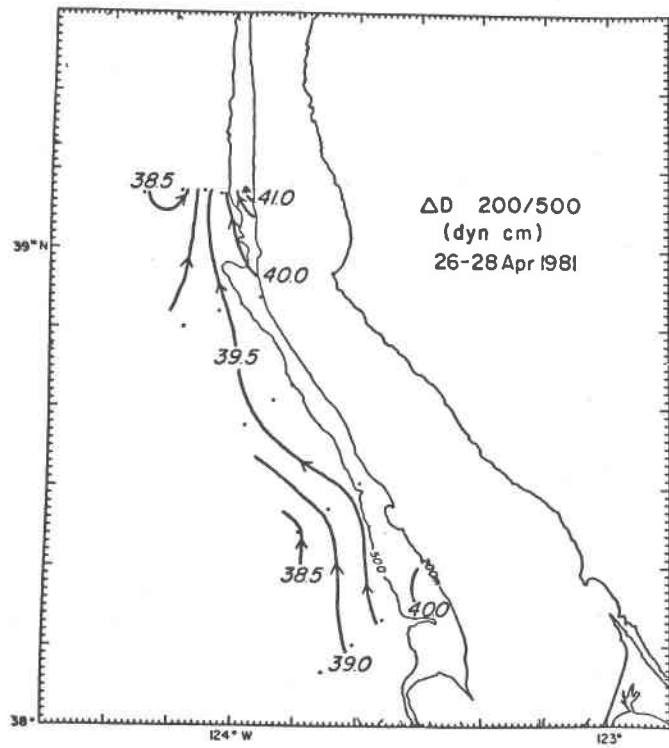




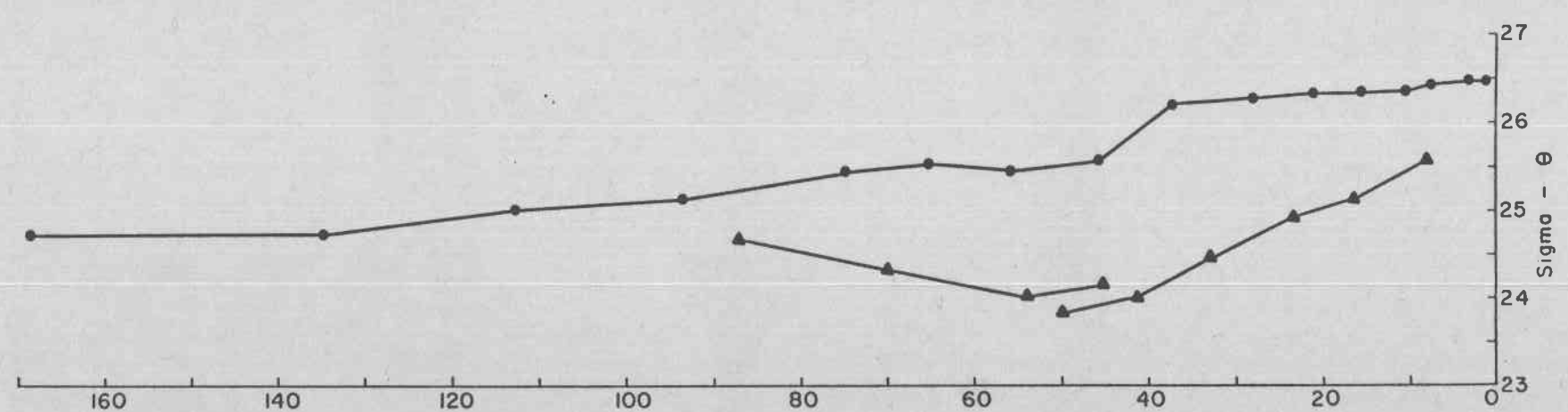
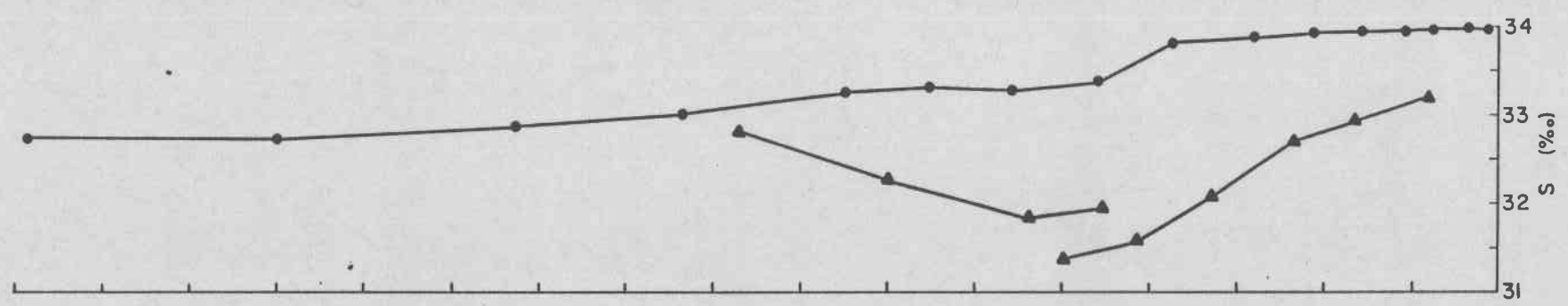
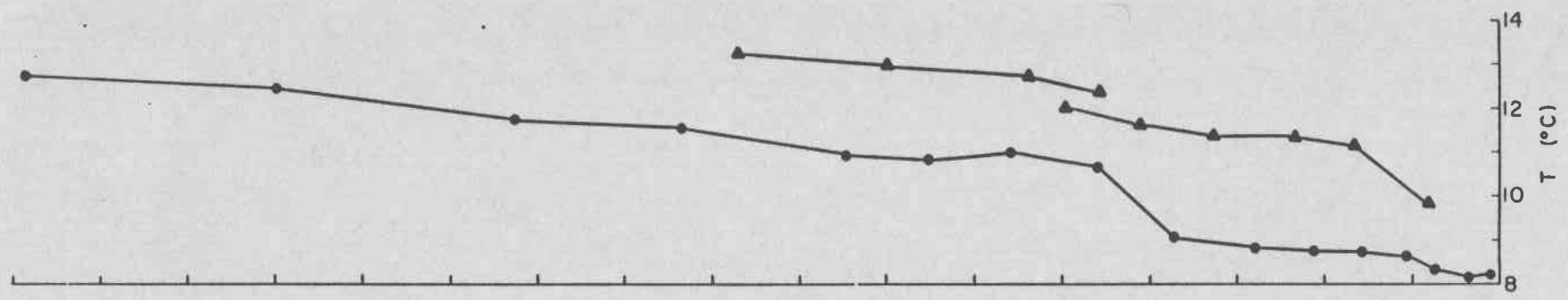








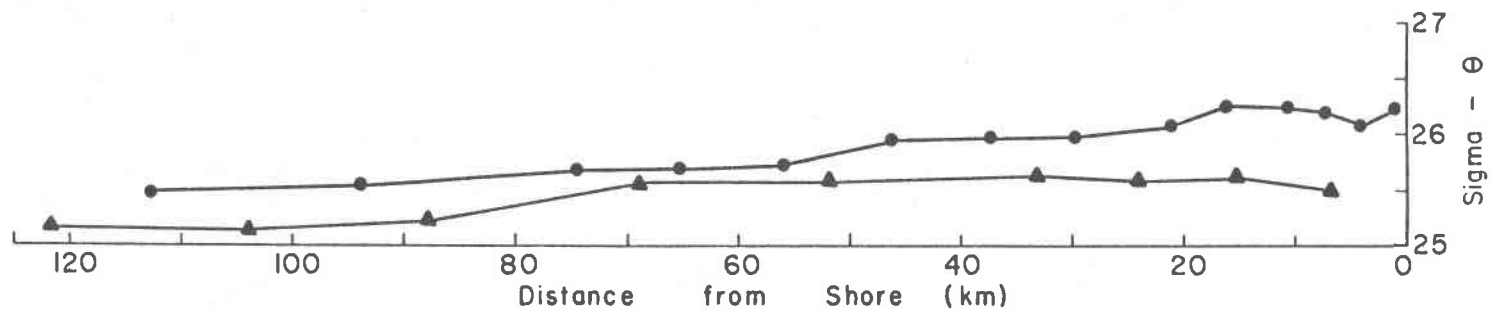
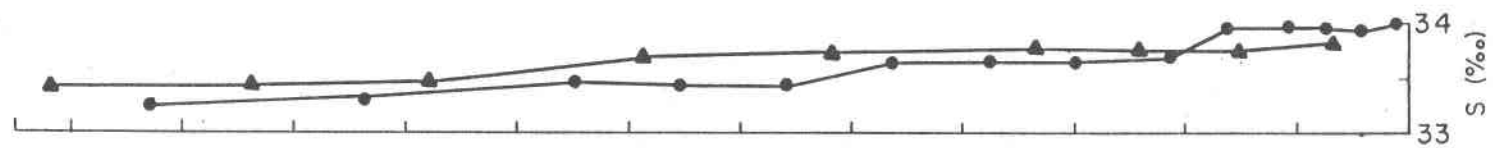
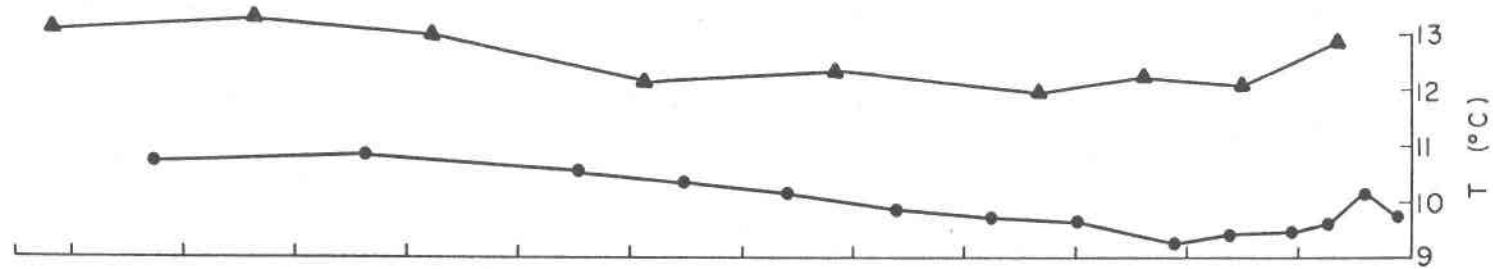
OFFSHORE PROFILES



● Code Central

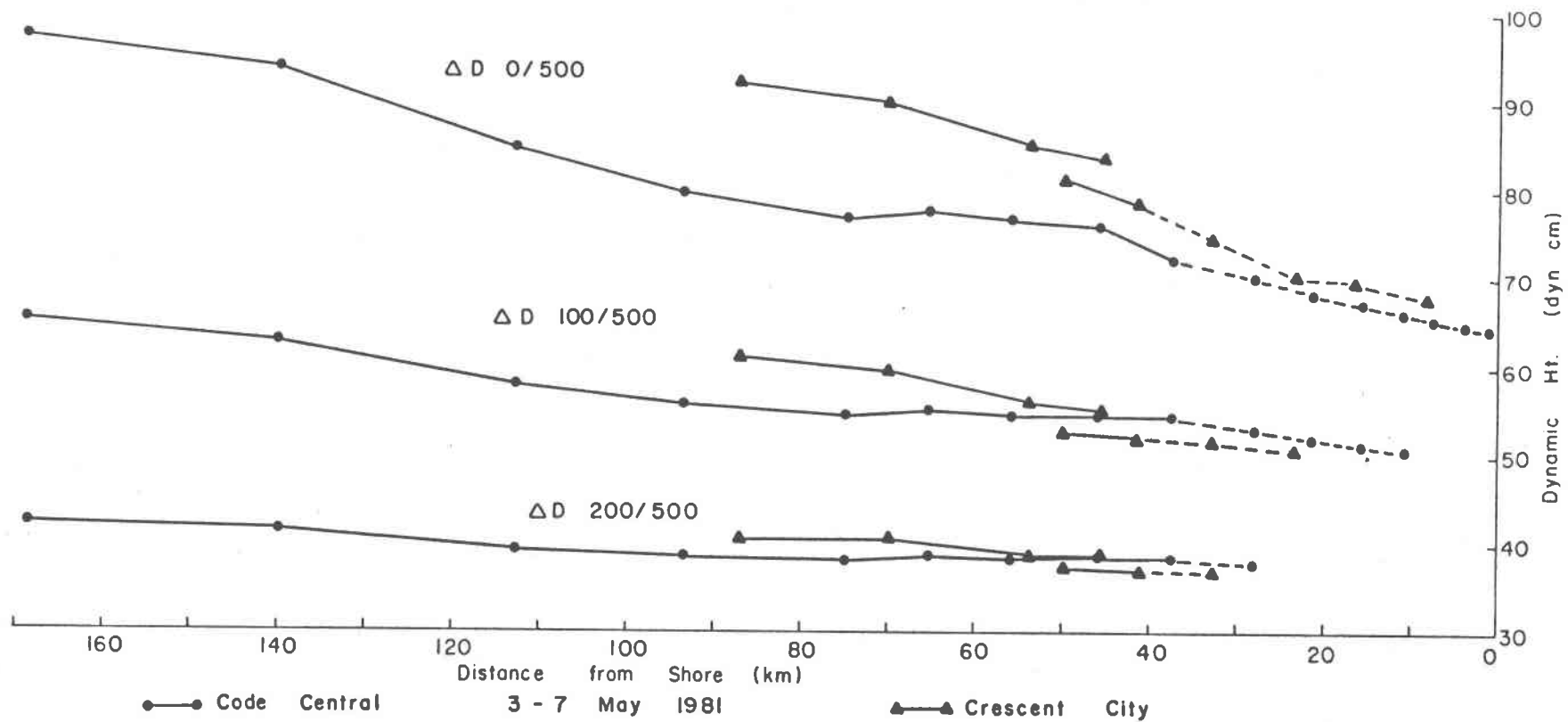
▲ Crescent City

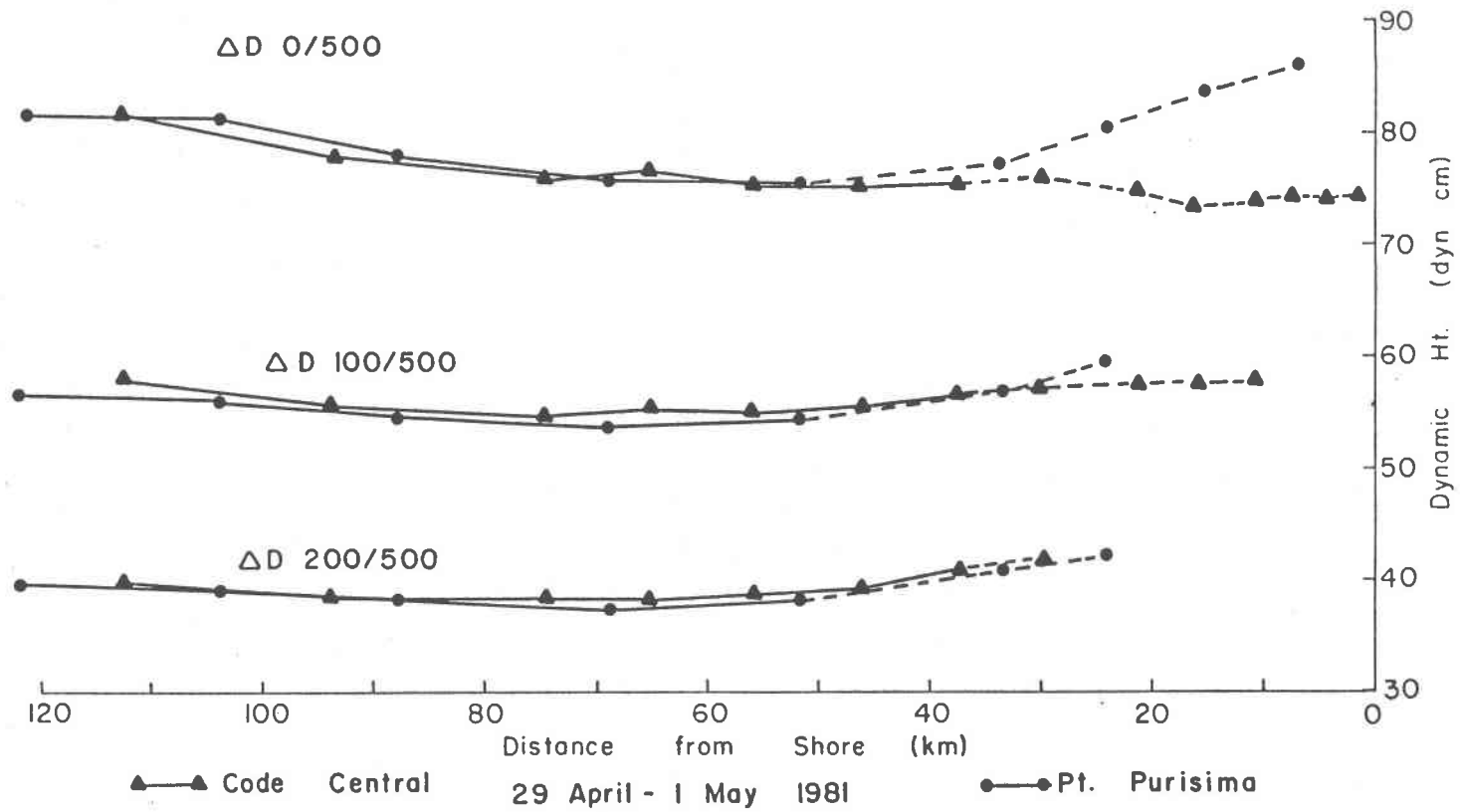
Distance from Shore (km)
3 - 7 May 1981

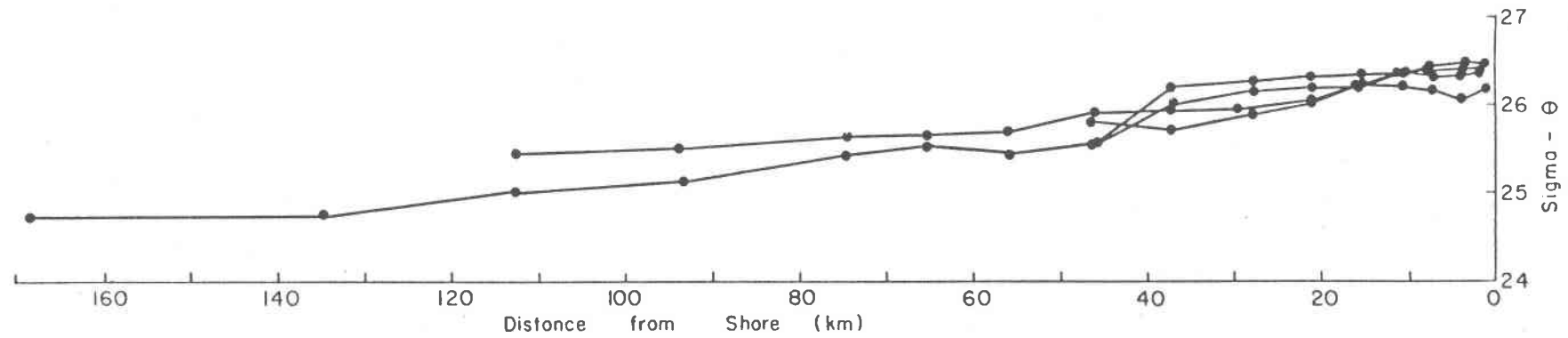
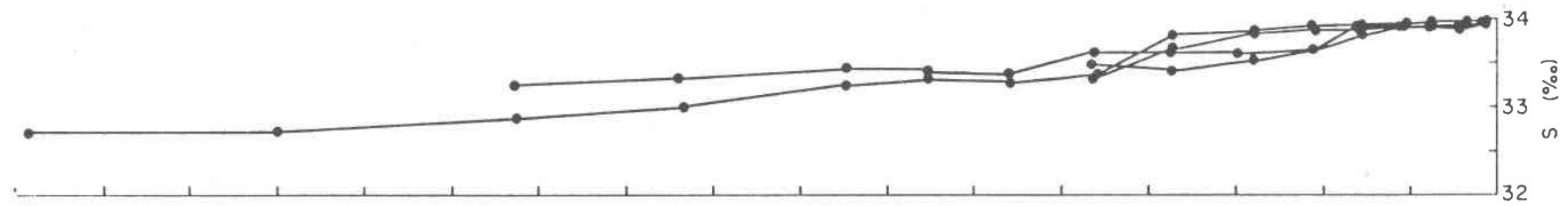
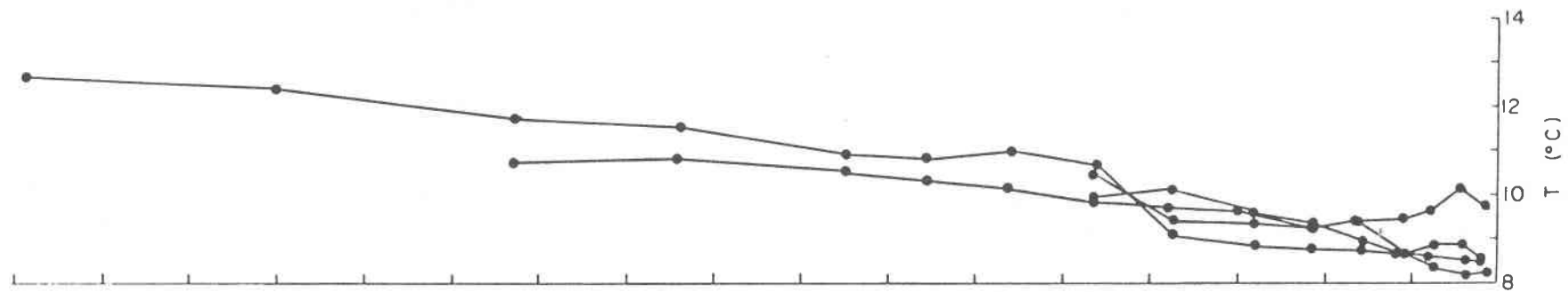


●—● Code Central
30 April - 1 May 1981

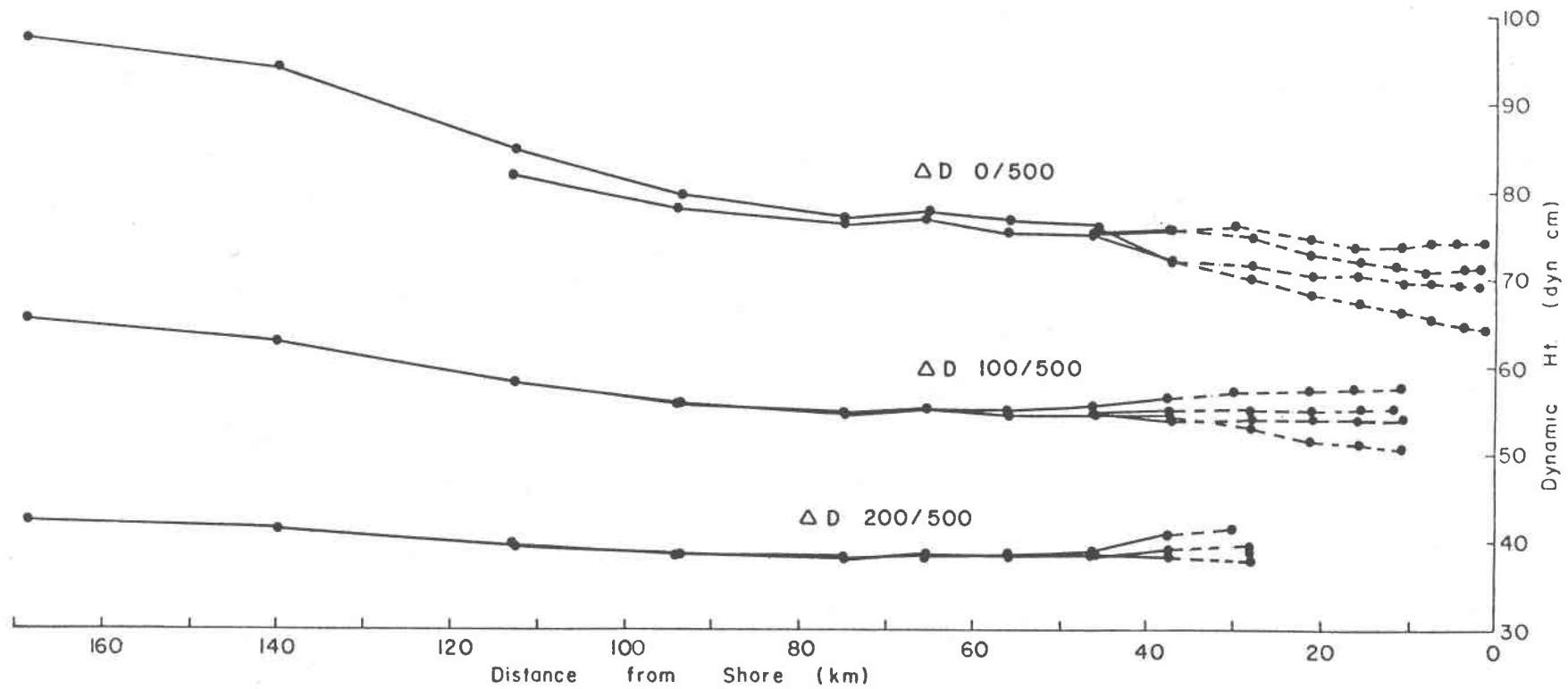
▲—▲ Purisima Pt.
29 April 1981





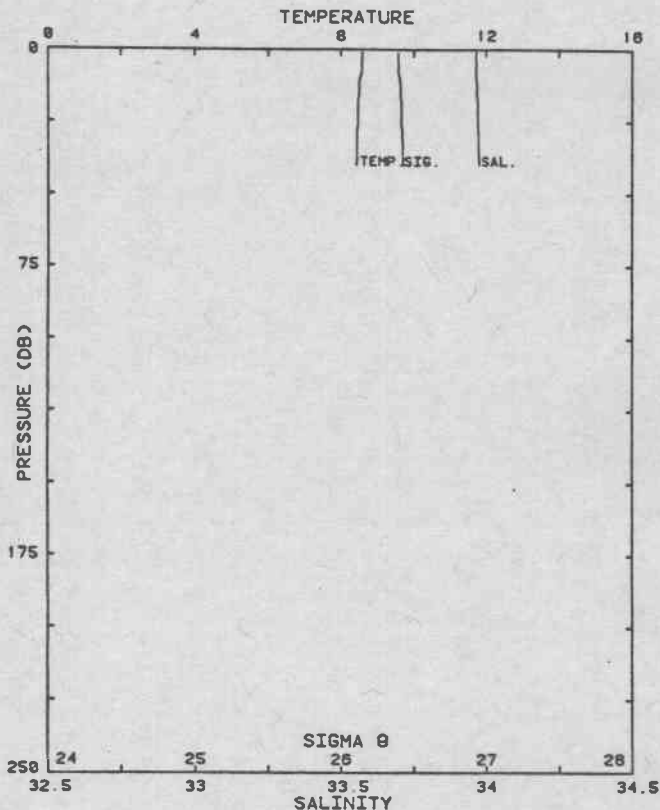


Code Central 26 - 30 April, 1 - 4 May 1981



Code Central 26 - 30 April, 1 - 4 May 1981

VERTICAL PROFILES AND LISTINGS

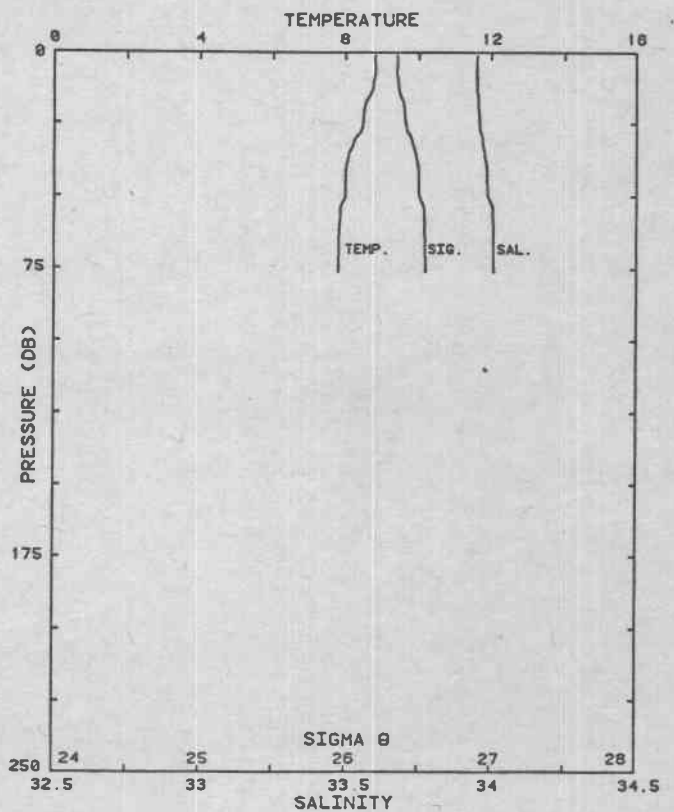


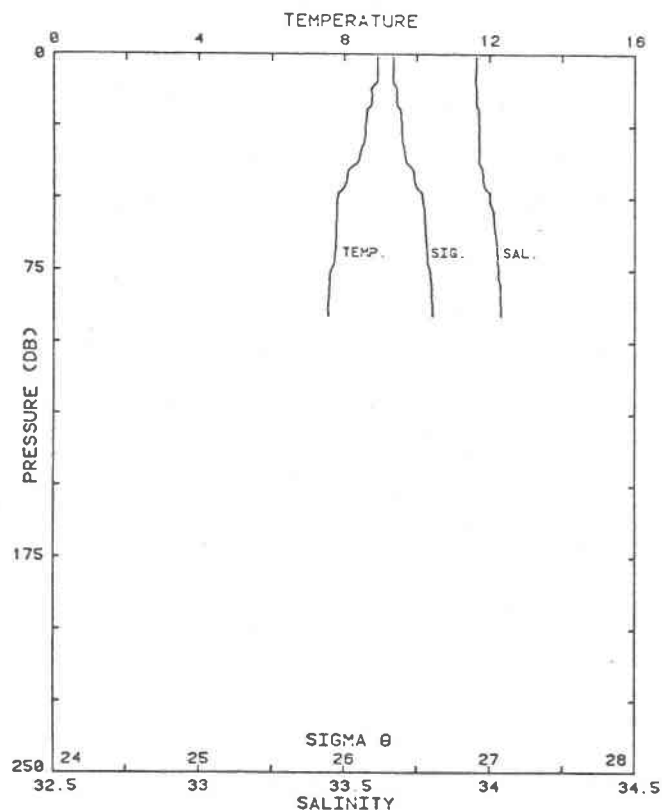
STA NO 1 COC 1 LAT: 38 39.7 N LONG:123 26.0 W
 26 APR 1981 0017 GMT PROBE 2567 DEPTH 43M
 1.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.583	33.965	8.583	26.394	164.2	0.002
10	8.528	33.965	8.527	26.402	163.6	0.016
20	8.466	33.970	8.464	26.416	162.5	0.033
30	8.434	33.972	8.431	26.423	162.0	0.049
40	8.420	33.975	8.416	26.427	161.8	0.065

STA NO 2 COC 2 LAT: 38 38.8 N LONG:123 27.4 W
 26 APR 1981 0101 GMT PROBE 2567 DEPTH 78M
 4.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.803	33.951	8.803	26.348	168.5	0.002
10	8.758	33.950	8.757	26.355	168.1	0.017
20	8.503	33.956	8.501	26.399	164.0	0.033
30	8.252	33.969	8.249	26.448	159.6	0.050
40	8.004	33.985	8.000	26.497	155.1	0.065
50	7.986	33.988	7.981	26.503	154.8	0.081
60	7.820	34.007	7.814	26.542	151.2	0.096
70	7.802	34.008	7.795	26.546	151.0	0.111
76	7.796	34.009	7.788	26.548	150.9	0.120





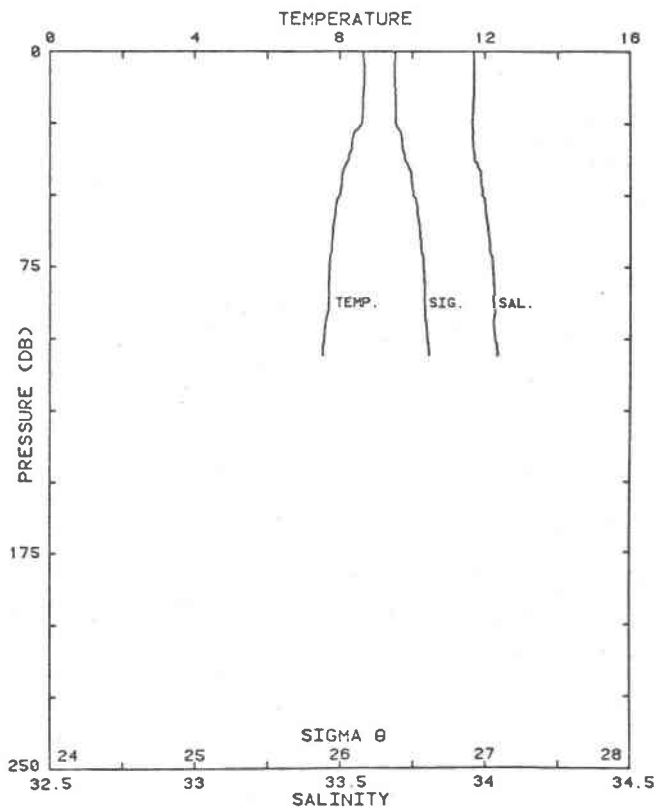
STATION 3 COC 3

STA NO 3 COC 3 LAT: 38 37.4 N LONG:123 28.7 W
 26 APR 1981 0137 GMT PROBE 2567 DEPTH 93M
 7.2 KM FROM SHORE

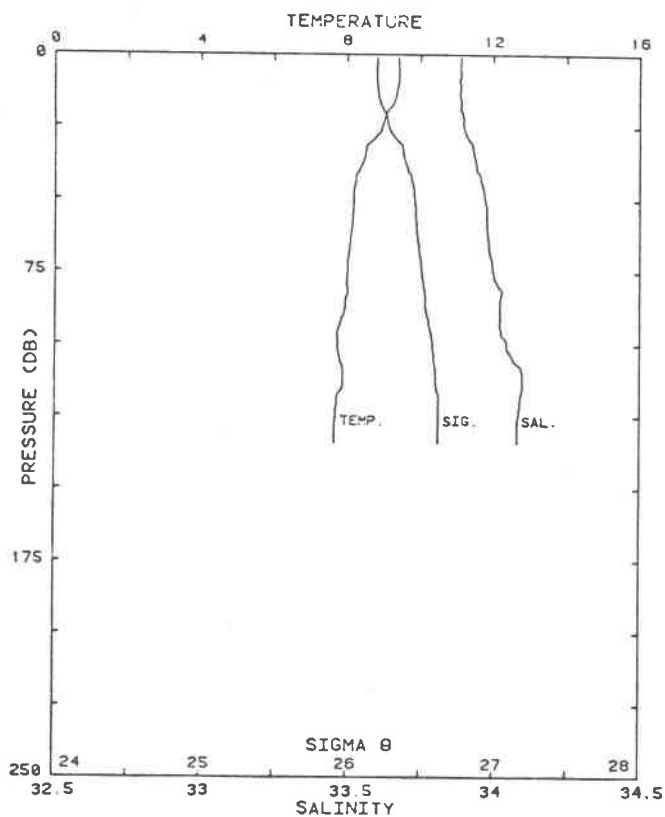
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.902	33.954	8.902	26.336	169.7	0.002
10	8.881	33.950	8.880	26.336	169.9	0.017
20	8.611	33.962	8.608	26.387	165.2	0.034
30	8.542	33.964	8.539	26.400	164.2	0.050
40	8.114	33.976	8.110	26.474	157.3	0.066
50	7.805	34.001	7.800	26.539	151.3	0.082
60	7.771	34.017	7.765	26.557	149.7	0.097
70	7.725	34.028	7.718	26.573	148.5	0.112
80	7.587	34.038	7.579	26.600	146.0	0.127
90	7.548	34.039	7.539	26.607	145.5	0.141
91	7.548	34.039	7.539	26.607	145.5	0.143

STA NO 4 COC 4 LAT: 38 36.5 N LONG:123 30.6 W
 26 APR 1981 0214 GMT PROBE 2567 DEPTH 107M
 10.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	8.647	33.962	8.647	26.382	165.3	0.000
10	8.662	33.963	8.661	26.380	165.7	0.017
20	8.627	33.959	8.625	26.383	165.6	0.033
30	8.342	33.956	8.339	26.424	161.9	0.050
40	8.126	33.975	8.122	26.472	157.5	0.066
50	7.984	33.989	7.979	26.504	154.7	0.081
60	7.807	34.008	7.801	26.545	150.9	0.096
70	7.744	34.016	7.737	26.561	149.6	0.111
80	7.674	34.028	7.667	26.580	147.9	0.126
90	7.661	34.032	7.652	26.595	147.6	0.141
100	7.551	34.033	7.541	26.602	146.2	0.156
106	7.511	34.042	7.501	26.615	145.0	0.164



STATION 4 COC 4

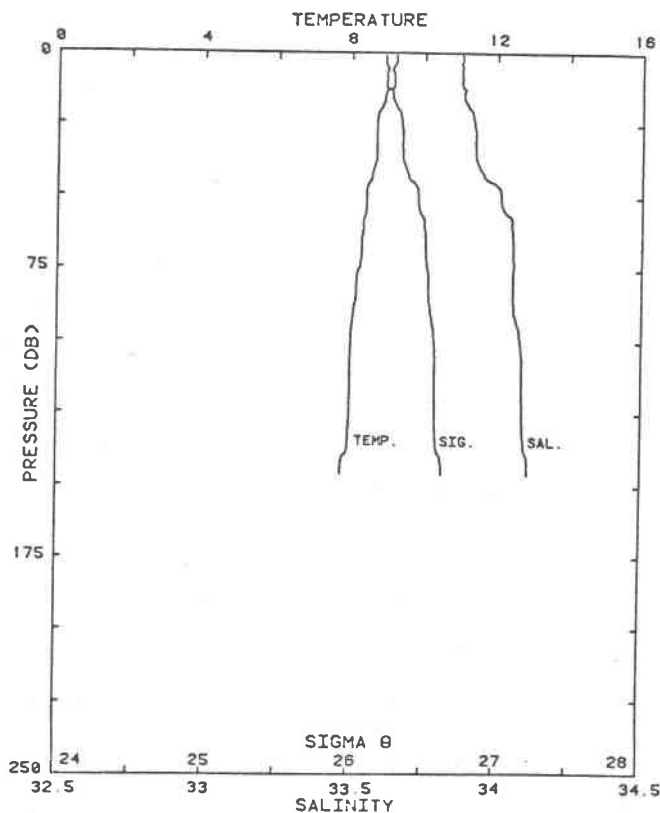


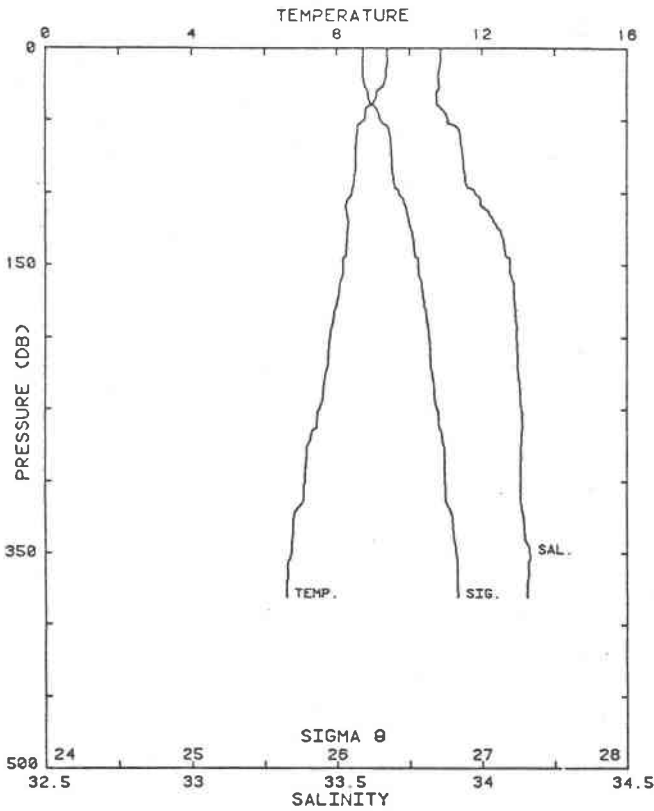
STA NO 5 COC 5 LAT: 38 34.5 N LONG:123 33.3 W
 26 APR 1981 0259 GMT PROBE 2567 DEPTH 137H
 15.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.402	33.889	9.402	26.204	182.2	0.002
10	9.390	33.887	9.389	26.204	182.4	0.018
20	9.082	33.895	9.080	26.260	177.2	0.036
30	8.637	33.920	8.634	26.350	168.9	0.054
40	8.315	33.945	8.311	26.419	162.5	0.070
50	8.176	33.972	8.171	26.462	158.7	0.086
60	8.123	33.979	8.117	26.475	157.6	0.102
70	8.016	33.993	8.009	26.502	155.2	0.118
80	7.995	34.017	7.987	26.524	153.3	0.133
90	7.895	34.022	7.886	26.544	151.6	0.148
100	7.730	34.046	7.720	26.587	147.7	0.163
110	7.883	34.100	7.872	26.607	146.0	0.178
120	7.707	34.091	7.696	26.626	144.3	0.193
130	7.651	34.083	7.638	26.627	144.3	0.207
134	7.653	34.083	7.640	26.627	144.4	0.213

STA NO 6 COC 6 LAT: 38 32.8 N LONG:123 36.2 W
 26 APR 1981 0345 GMT PROBE 2567 DEPTH 148H
 20.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.212	33.880	9.212	26.228	179.9	0.002
10	9.154	33.877	9.153	26.235	179.4	0.018
20	8.753	33.909	8.751	26.324	171.2	0.036
30	8.678	33.925	8.675	26.348	169.1	0.052
40	8.597	33.940	8.593	26.373	167.0	0.069
50	8.412	34.013	8.407	26.459	159.0	0.086
60	8.334	34.050	8.328	26.499	155.3	0.101
70	8.277	34.056	8.270	26.513	154.2	0.117
80	8.152	34.056	8.144	26.532	152.6	0.132
90	8.070	34.059	8.061	26.546	151.4	0.147
100	8.005	34.082	7.995	26.575	148.9	0.162
110	7.998	34.090	7.987	26.582	148.4	0.177
120	7.982	34.089	7.970	26.584	148.4	0.192
130	7.965	34.092	7.952	26.589	148.1	0.207
140	7.812	34.110	7.798	26.626	144.7	0.222
146	7.757	34.112	7.742	26.635	143.9	0.230

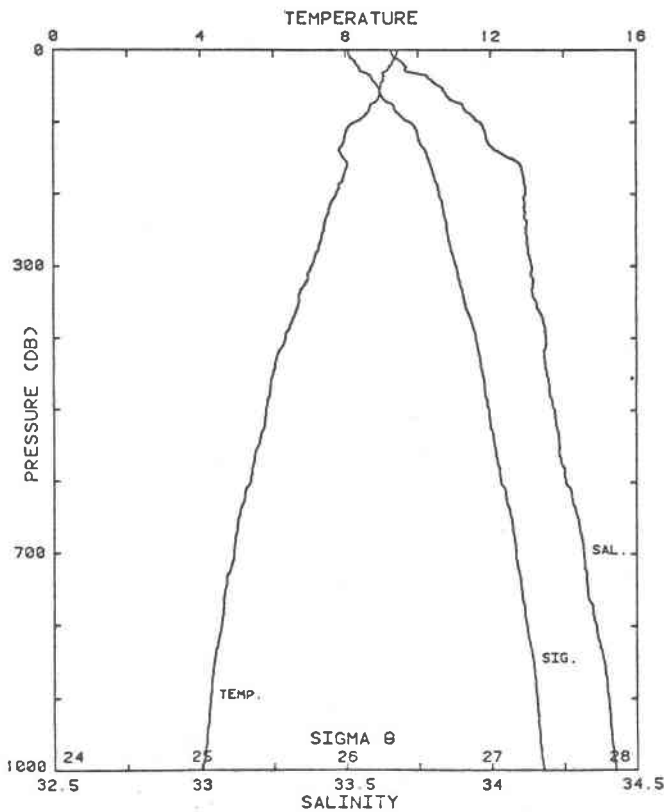




STATION 7 COC 7

STA NO 7 COC 7 LAT: 38 30.3 N LONG:123 39.5 W
 26 APR 1981 0435 GMT PROBE 2567 DEPTH 386M
 27.8 KM FROM SHORE

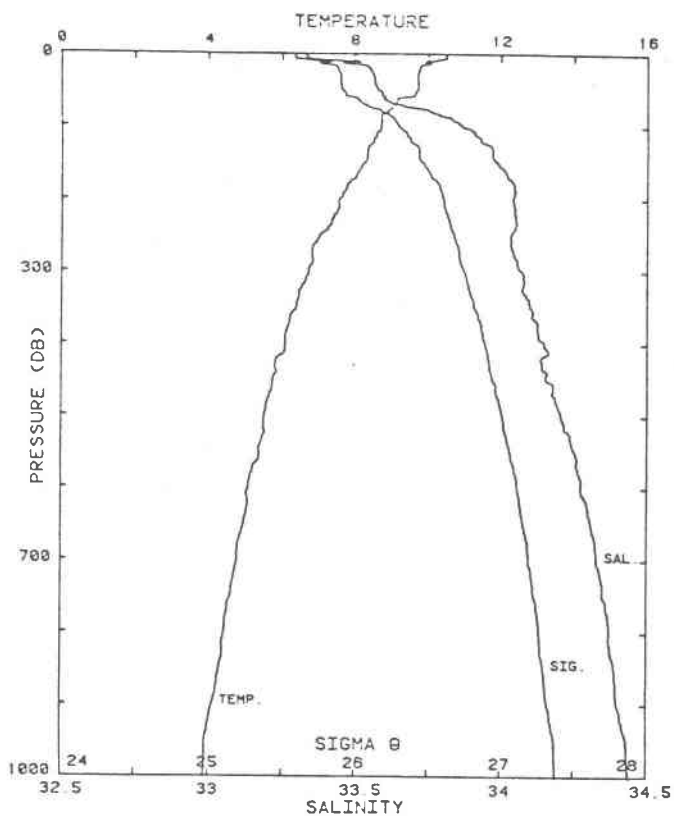
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.383	33.858	9.383	26.183	184.3	0.002
10	9.394	33.856	9.392	26.180	184.7	0.018
20	9.358	33.850	9.356	26.181	184.8	0.037
30	9.110	33.844	9.107	26.217	181.6	0.055
40	8.861	33.852	8.857	26.263	177.4	0.073
50	8.757	33.885	8.752	26.305	173.6	0.091
60	8.554	33.925	8.548	26.368	167.8	0.108
70	8.524	33.932	8.517	26.378	167.1	0.125
80	8.522	33.937	8.514	26.382	166.8	0.141
90	8.487	33.942	8.478	26.392	166.1	0.158
100	8.424	33.977	8.414	26.429	162.8	0.174
110	8.256	34.006	8.245	26.478	158.3	0.190
120	8.319	34.041	8.307	26.496	156.8	0.206
130	8.289	34.071	8.276	26.524	154.3	0.222
140	8.263	34.081	8.249	26.536	153.4	0.237
150	8.177	34.098	8.164	26.561	151.1	0.252
175	8.006	34.114	7.989	26.601	147.8	0.290
200	7.808	34.120	7.789	26.635	144.9	0.326
225	7.692	34.127	7.670	26.657	143.2	0.362
250	7.524	34.137	7.499	26.690	140.4	0.398
300	7.124	34.135	7.096	26.745	135.8	0.466
381	6.606	34.156	6.572	26.833	128.4	0.572



STATION 8 COC 8

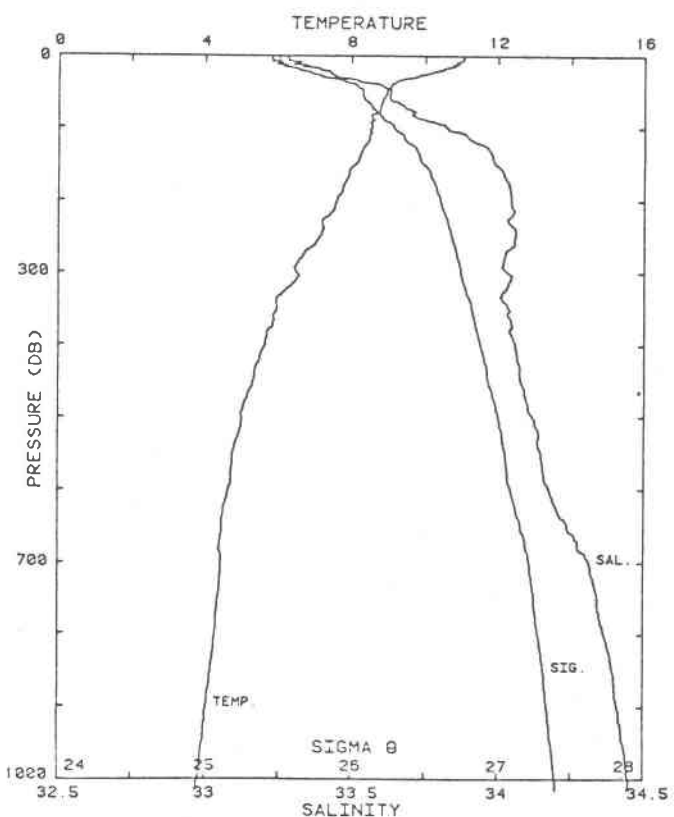
STA NO 8 COC 8 LAT: 38 27.1 N LONG:123 44.5 W
 26 APR 1981 0534 GMT PROBE 2567 DEPTH 1052M
 37.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	9.423	33.660	9.423	26.022	199.5	0.000
10	9.400	33.666	9.399	26.031	198.9	0.020
20	9.288	33.704	9.286	26.079	194.5	0.040
30	9.115	33.709	9.111	26.110	191.7	0.059
40	9.044	33.790	9.039	26.185	184.8	0.078
50	8.982	33.825	8.976	26.223	181.4	0.096
60	8.936	33.845	8.929	26.246	179.4	0.114
70	8.851	33.871	8.843	26.279	176.5	0.132
80	8.664	33.906	8.656	26.336	171.2	0.149
90	8.536	33.933	8.527	26.378	167.5	0.166
100	8.253	33.963	8.243	26.444	161.3	0.182
110	8.040	33.977	8.029	26.487	157.4	0.198
120	7.983	33.983	7.971	26.501	156.2	0.214
130	7.932	33.992	7.919	26.515	155.0	0.230
140	7.839	34.026	7.826	26.555	151.4	0.245
150	7.964	34.069	7.949	26.571	150.1	0.260
175	7.938	34.112	7.920	26.609	147.0	0.297
200	7.745	34.120	7.725	26.644	144.1	0.333
225	7.536	34.120	7.514	26.674	141.5	0.369
250	7.397	34.124	7.373	26.697	139.7	0.404
300	7.060	34.140	7.032	26.758	134.5	0.473
400	6.334	34.189	6.299	26.895	122.6	0.602
500	5.798	34.220	5.755	26.989	114.6	0.720
600	5.374	34.258	5.324	27.071	107.6	0.832
800	4.567	34.362	4.504	27.247	92.0	1.029
1000	4.036	34.426	3.960	27.355	82.7	1.202
1001	4.036	34.426	3.960	27.356	82.7	1.203



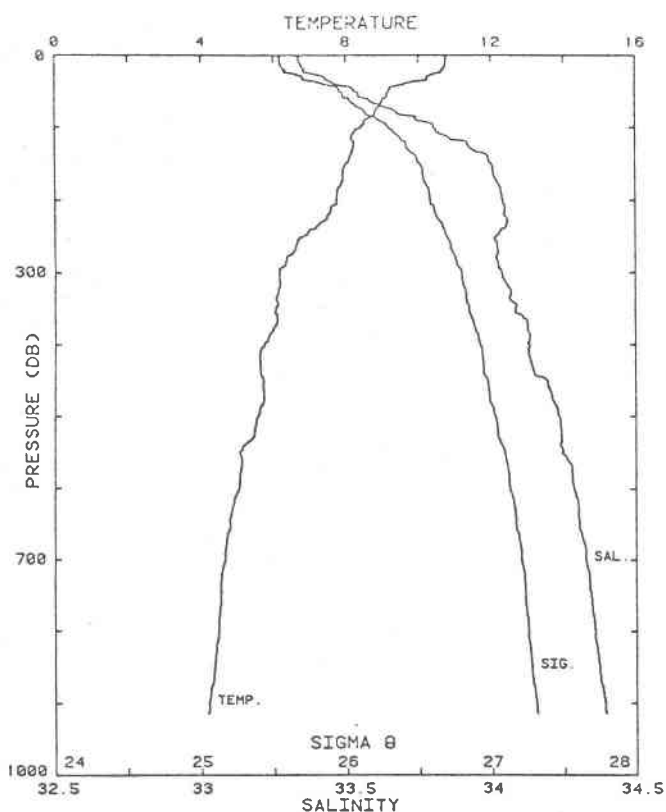
STA NO 9 COC 9 LAT: 38 24.1 N LONG: 123 49.2 W
 26 APR 1981 0655 GMT PROBE 2567 DEPTH 1640M
 46.1 KM FROM SHORE LIN INT SAL. AT 430-434

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.495	33.335	10.494	25.589	240.7	0.002
10	10.169	33.444	10.168	25.730	227.5	0.024
20	9.769	33.551	9.767	25.881	213.3	0.046
30	9.711	33.564	9.707	25.900	211.7	0.067
40	9.722	33.568	9.717	25.902	211.7	0.088
50	9.712	33.579	9.707	25.912	211.0	0.109
60	9.357	33.602	9.350	25.988	203.9	0.130
70	9.070	33.657	9.063	26.077	195.6	0.150
80	8.879	33.759	8.871	26.188	185.3	0.169
90	8.726	33.834	8.717	26.270	177.7	0.187
100	8.703	33.869	8.692	26.301	174.9	0.205
110	8.577	33.909	8.565	26.352	170.3	0.222
120	8.510	33.930	8.497	26.379	167.9	0.239
130	8.347	33.970	8.333	26.436	162.7	0.255
140	8.341	33.971	8.326	26.438	162.7	0.272
150	8.224	33.991	8.209	26.471	159.7	0.288
175	7.854	34.039	7.837	26.564	151.2	0.327
200	7.554	34.041	7.535	26.609	147.2	0.364
225	7.411	34.051	7.390	26.638	144.9	0.401
250	7.014	34.033	6.991	26.679	141.2	0.436
300	6.728	34.072	6.701	26.749	135.1	0.506
400	6.100	34.150	6.065	26.894	122.4	0.634
500	5.525	34.206	5.484	27.010	112.2	0.752
600	5.096	34.273	5.048	27.115	103.0	0.859
800	4.464	34.373	4.402	27.267	90.0	1.051
1000	3.871	34.441	3.795	27.384	79.6	1.220
1001	3.870	34.441	3.795	27.384	79.6	1.221



STA NO 10 ELK 8 LAT: 39 7.0 N LONG: 124 14.9 W
 26 APR 1981 1215 GMT PROBE 2567 DEPTH 1872M
 46.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.042	33.278	11.041	25.448	254.0	0.003
10	10.854	33.320	10.853	25.515	247.9	0.025
20	10.449	33.374	10.446	25.647	235.9	0.050
30	9.736	33.447	9.733	25.805	220.8	0.072
40	9.078	33.528	9.073	26.030	199.5	0.093
50	8.958	33.634	8.753	26.077	195.3	0.113
60	8.851	33.630	8.845	26.091	194.1	0.132
70	8.792	33.680	8.784	26.140	189.7	0.152
80	8.639	33.710	8.631	26.187	185.4	0.170
90	8.582	33.764	8.573	26.238	180.7	0.189
100	8.557	33.829	8.546	26.293	175.7	0.206
110	8.486	33.894	8.475	26.355	170.0	0.224
120	8.441	33.927	8.429	26.388	167.1	0.241
130	8.290	33.970	8.277	26.445	161.8	0.257
140	8.209	33.982	8.195	26.466	160.0	0.273
150	8.092	33.992	8.077	26.492	157.6	0.289
175	7.805	34.036	7.788	26.569	150.7	0.327
200	7.593	34.046	7.573	26.608	147.4	0.365
225	7.233	34.035	7.211	26.651	143.6	0.401
250	7.121	34.060	7.097	26.686	140.6	0.437
300	6.512	34.035	6.485	26.750	135.0	0.505
400	5.637	34.061	5.603	26.881	123.2	0.634
500	5.005	34.118	4.966	27.002	112.3	0.752
600	4.646	34.176	4.600	27.089	104.8	0.860
800	4.280	34.366	4.219	27.281	88.3	1.049
1000	3.803	34.448	3.729	27.397	78.3	1.215
1015	3.743	34.445	3.668	27.400	77.9	1.227



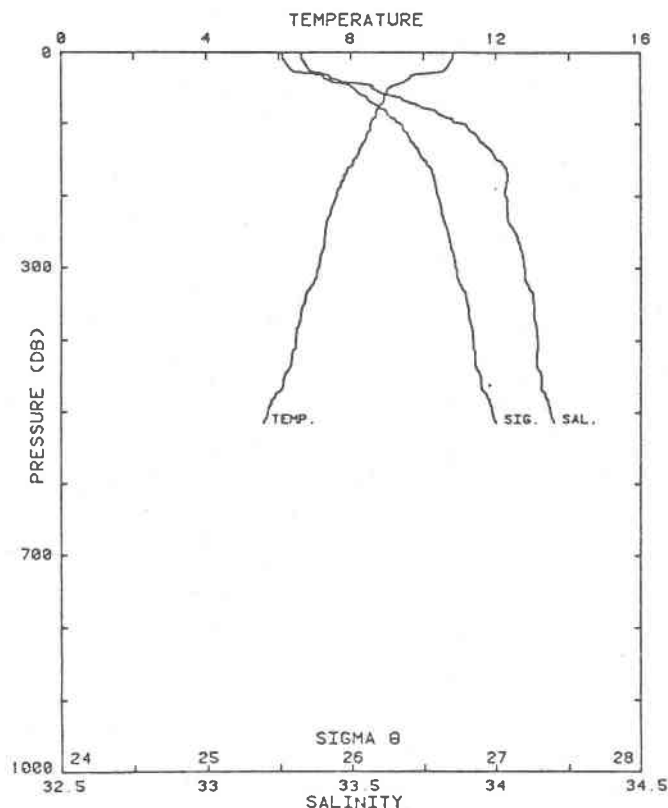
STATION 11 ELK 7

STA NO 11 ELK 7 LAT: 39 7.4 N LONG:124 8.7 W
 26 APR 1981 1345 GMT PROBE 2567 DEPTH 918M
 37.2 KM FROM SHORE

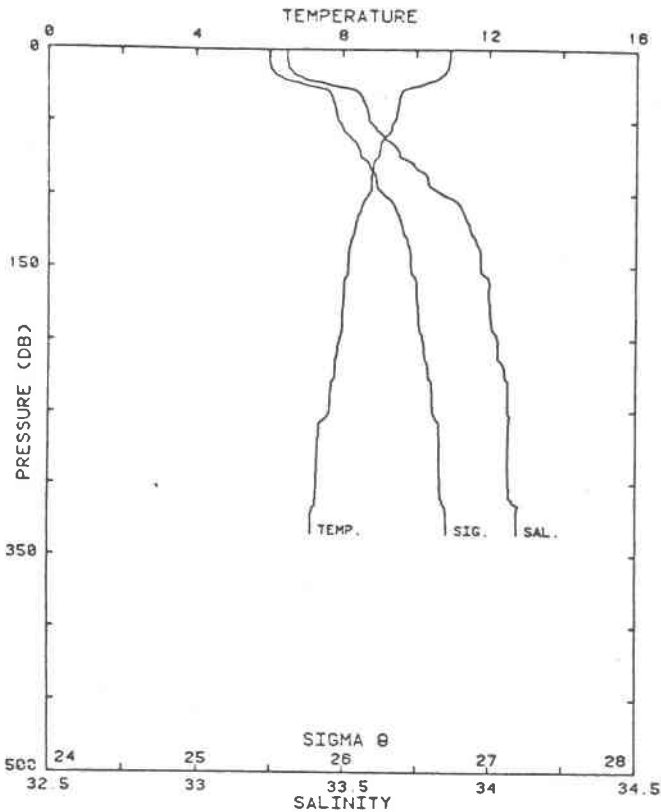
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.760	33.331	10.760	25.539	245.4	0.005
10	10.762	33.338	10.760	25.545	245.1	0.025
20	10.674	33.354	10.671	25.573	242.6	0.049
30	10.247	33.421	10.244	25.699	230.9	0.073
40	9.618	33.459	9.613	25.834	218.1	0.095
50	9.200	33.528	9.195	25.956	206.8	0.116
60	9.032	33.578	9.026	26.022	200.7	0.137
70	8.930	33.628	8.923	26.077	195.7	0.157
80	8.809	33.680	8.801	26.137	190.1	0.176
90	8.517	33.748	8.508	26.235	181.0	0.194
100	8.406	33.805	8.396	26.297	175.2	0.212
110	8.176	33.837	8.165	26.357	169.7	0.229
120	8.216	33.916	8.204	26.413	164.6	0.246
130	8.187	33.935	8.174	26.432	162.9	0.263
140	8.103	33.990	8.089	26.488	157.8	0.279
150	7.982	34.002	7.967	26.516	155.3	0.294
175	7.888	34.022	7.871	26.546	152.9	0.333
200	7.737	34.040	7.720	26.582	149.9	0.371
225	7.481	34.057	7.459	26.633	145.4	0.407
250	6.815	34.019	6.792	26.696	139.5	0.443
300	6.161	34.037	6.135	26.796	130.3	0.510
400	5.746	34.130	5.712	26.923	119.4	0.636
500	5.578	34.235	5.536	27.027	110.7	0.751
600	5.048	34.286	4.999	27.131	101.5	0.857
800	4.471	34.357	4.409	27.253	91.2	1.047
914	4.190	34.395	4.121	27.314	86.1	1.148

STA NO 12 ELK 6 LAT: 39 7.0 N LONG:124 2.2 W
 26 APR 1981 1508 GMT PROBE 2567 DEPTH 521M
 27.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.826	33.327	10.826	25.525	246.8	0.002
10	10.789	33.330	10.788	25.534	246.1	0.025
20	10.668	33.347	10.665	25.568	243.1	0.049
30	9.937	33.403	9.934	25.737	227.2	0.073
40	9.491	33.462	9.487	25.857	215.9	0.095
50	9.046	33.572	9.040	26.015	201.2	0.116
60	8.935	33.628	8.929	26.076	195.5	0.136
70	8.895	33.701	8.887	26.140	189.7	0.155
80	8.709	33.777	8.700	26.228	181.5	0.173
90	8.680	33.821	8.671	26.267	178.0	0.191
100	8.546	33.888	8.536	26.341	171.2	0.209
110	8.516	33.909	8.505	26.362	169.4	0.226
120	8.406	33.939	8.394	26.402	165.7	0.243
130	8.301	33.963	8.288	26.437	162.5	0.259
140	8.213	33.987	8.199	26.469	159.7	0.275
150	8.078	34.002	8.063	26.502	156.7	0.291
175	7.808	34.039	7.790	26.571	150.5	0.329
200	7.608	34.031	7.589	26.594	148.7	0.366
225	7.424	34.040	7.403	26.628	145.8	0.403
250	7.286	34.065	7.262	26.667	142.5	0.439
300	7.084	34.097	7.056	26.721	138.1	0.509
400	6.462	34.141	6.426	26.840	127.9	0.641
500	5.693	34.186	5.651	26.975	115.8	0.764
515	5.573	34.199	5.530	27.000	113.5	0.782



STATION 12 ELK 6



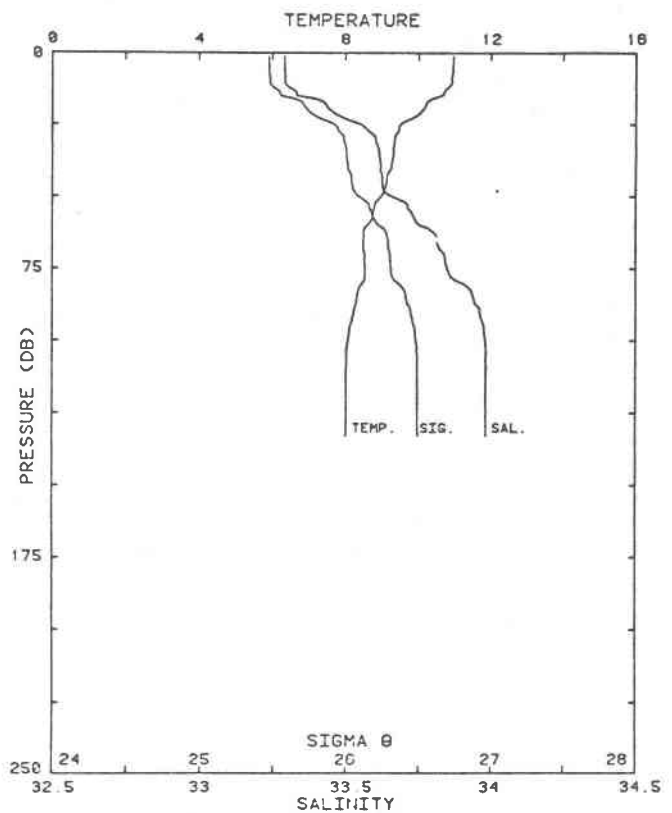
STATION 13 ELK 5

STA NO 13 ELK 5 LAT: 39 7.2 N LONG:123 58.4 W
26 APR 1981 1557 GMT PROBE 2567 DEPTH 339M
22.4 KM FROM SHORE

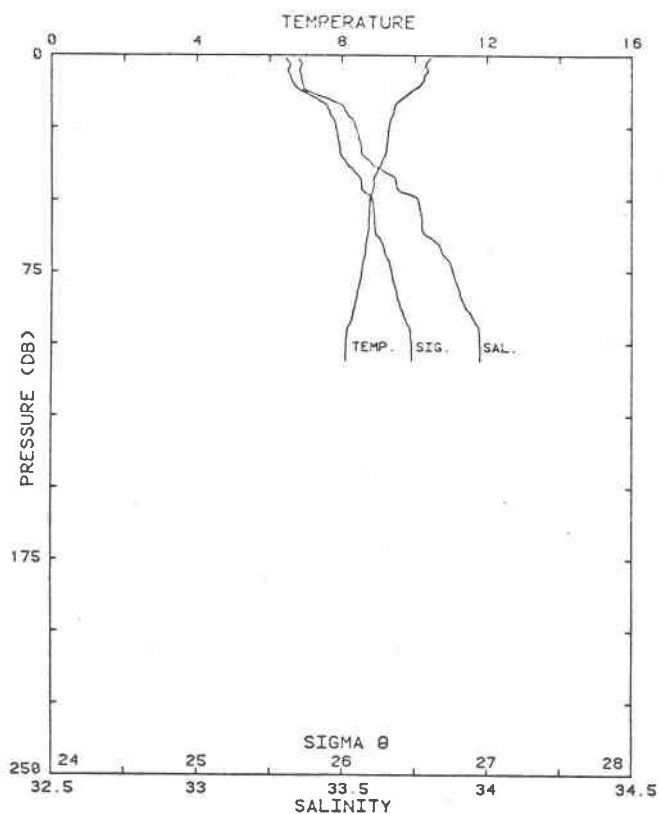
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.917	33.309	10.917	25.494	249.7	0.002
10	10.888	33.313	10.887	25.503	249.0	0.025
20	10.621	33.366	10.618	25.591	240.9	0.050
30	9.582	33.554	9.579	25.914	210.4	0.072
40	9.495	33.581	9.491	25.949	207.2	0.093
50	9.393	33.593	9.388	25.976	204.9	0.114
60	9.170	33.642	9.163	26.050	198.1	0.134
70	8.997	33.692	8.990	26.117	191.9	0.153
80	8.831	33.744	8.823	26.183	185.7	0.172
90	8.775	33.791	8.766	26.229	181.6	0.190
100	8.699	33.843	8.688	26.282	176.7	0.208
110	8.497	33.908	8.486	26.364	169.2	0.226
120	8.358	33.932	8.346	26.404	165.5	0.242
130	8.249	33.952	8.234	26.436	162.6	0.259
140	8.165	33.971	8.151	26.464	160.1	0.275
150	8.150	33.972	8.135	26.467	160.0	0.291
175	8.013	34.002	7.996	26.512	156.2	0.330
200	7.918	34.026	7.890	26.545	153.5	0.369
225	7.779	34.055	7.757	26.589	149.7	0.407
250	7.638	34.066	7.614	26.617	147.4	0.444
300	7.288	34.068	7.259	26.670	143.1	0.516
336	7.131	34.097	7.099	26.715	139.3	0.566

STA NO 14 ELK 4 LAT: 39 7.0 N LONG:123 55.1 W
26 APR 1981 1637 GMT PROBE 2567 DEPTH 135M
17.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.955	33.291	10.955	25.474	251.6	0.003
10	10.923	33.293	10.922	25.482	251.1	0.025
20	10.101	33.450	10.099	25.746	226.1	0.049
30	9.346	33.603	9.343	25.990	203.1	0.070
40	9.253	33.620	9.249	26.019	200.6	0.090
50	9.966	33.661	8.960	26.097	193.4	0.110
60	8.594	33.755	8.587	26.229	181.0	0.129
70	8.527	33.839	8.519	26.304	174.0	0.146
80	8.459	33.904	8.451	26.366	168.3	0.164
90	8.228	33.961	8.219	26.446	160.9	0.180
100	8.068	33.981	8.058	26.486	157.3	0.196
110	8.026	33.983	8.015	26.494	156.7	0.212
120	8.021	33.982	8.009	26.494	156.9	0.227
130	8.019	33.983	8.006	26.495	157.0	0.243
133	8.014	33.984	8.001	26.497	156.9	0.248



STATION 14 ELK 4



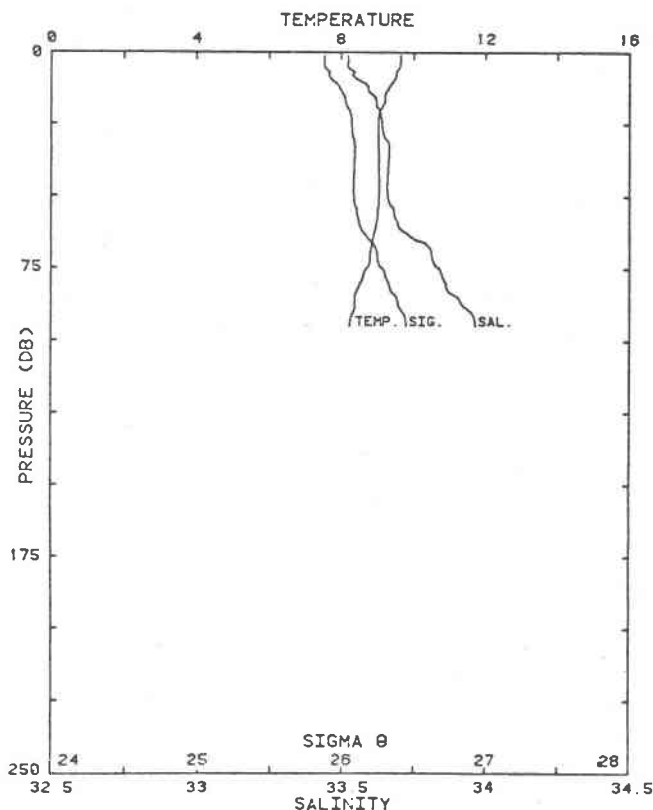
STATION 15 ELK 3

STA NO 15 ELK 3 LAT: 39 7.0 N LONG:123 51.7 W
 26 APR 1981 1715 GMT PROBE 2567 DEPTH 109M
 12.6 KM FROM SHORE

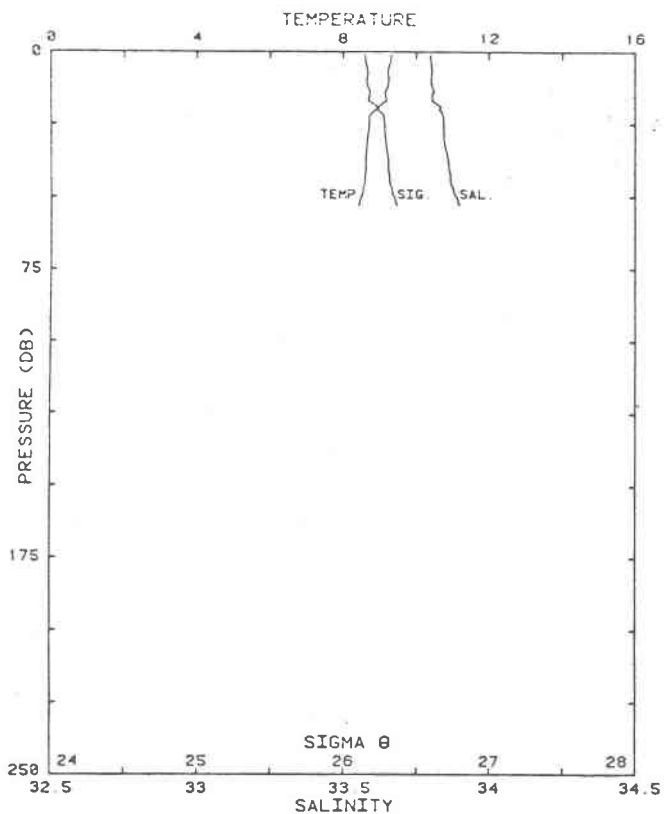
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.414	33.349	10.414	25.614	238.3	0.002
10	10.194	33.363	10.183	25.664	233.7	0.024
20	9.404	33.517	9.401	25.914	210.2	0.046
30	9.227	33.563	9.224	25.978	204.2	0.066
40	8.961	33.644	8.957	26.084	194.4	0.086
50	8.756	33.761	8.751	26.208	182.8	0.105
60	8.723	33.776	8.717	26.225	181.4	0.123
70	8.602	33.859	8.595	26.309	173.6	0.141
80	8.458	33.898	8.450	26.361	168.8	0.158
90	8.297	33.947	8.287	26.425	162.9	0.175
100	8.096	33.975	8.086	26.477	158.1	0.191
106	8.086	33.976	8.076	26.480	158.0	0.200

STA NO 16 ELK 2 LAT: 39 7.1 N LONG:123 48.2 W
 26 APR 1981 1749 GMT PROBE 2567 DEPTH 98M
 7.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.623	33.523	9.623	25.882	212.8	0.002
10	9.441	33.563	9.440	25.943	207.2	0.021
20	9.063	33.631	9.061	26.057	196.5	0.041
30	9.004	33.651	9.001	26.083	194.3	0.061
40	9.022	33.659	9.017	26.086	194.2	0.080
50	9.023	33.659	9.018	26.087	194.4	0.100
60	8.947	33.695	8.941	26.127	190.7	0.119
70	8.781	33.812	8.774	26.244	179.8	0.137
80	8.510	33.863	8.501	26.327	172.1	0.155
90	8.321	33.949	8.312	26.423	163.1	0.172
95	8.232	33.965	8.222	26.449	160.8	0.180



STATION 16 ELK 2



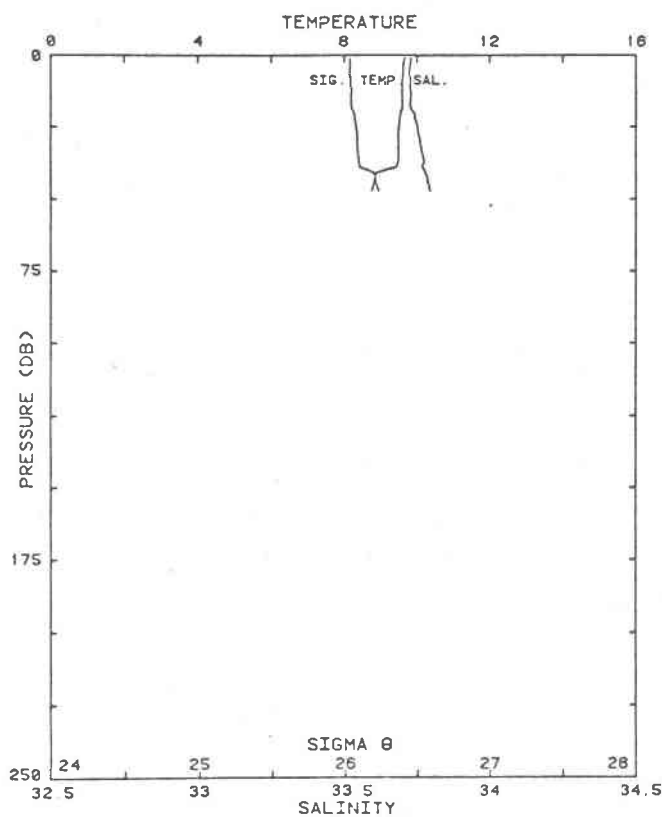
STATION 17 ELK 1

STA NO 17 ELK 1 LAT: 39 7.0 N LONG:123 44.5 W
 26 APR 1981 1827 GMT PROBE 2567 DEPTH 58M
 2.4 KM FROM SHORE

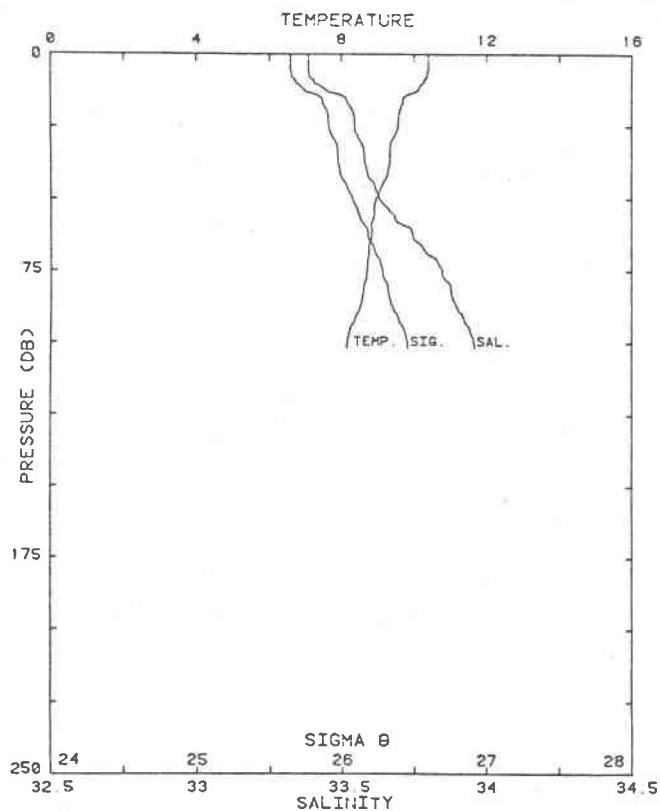
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.314	33.799	9.314	26.148	107.5	0.002
10	9.248	33.801	9.247	26.161	186.5	0.019
20	8.897	33.829	8.895	26.239	179.3	0.037
30	8.657	33.844	8.654	26.288	174.8	0.055
40	8.619	33.863	8.615	26.309	173.0	0.072
50	8.489	33.888	8.484	26.349	169.5	0.089
53	8.423	33.898	8.418	26.367	167.8	0.094

STA NO 18 AR 1 LAT: 38 56.8 N LONG:123 46.4 W
 26 APR 1981 1956 GMT PROBE 2567 DEPTH 54M
 3.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.663	33.729	9.663	26.036	198.2	0.002
10	9.600	33.727	9.599	26.046	197.4	0.020
20	9.548	33.740	9.546	26.064	195.9	0.040
30	9.493	33.761	9.490	26.090	193.7	0.059
40	9.100	33.777	9.096	26.166	186.6	0.078
47	8.747	33.795	8.742	26.235	180.1	0.091



STATION 18 AR 1



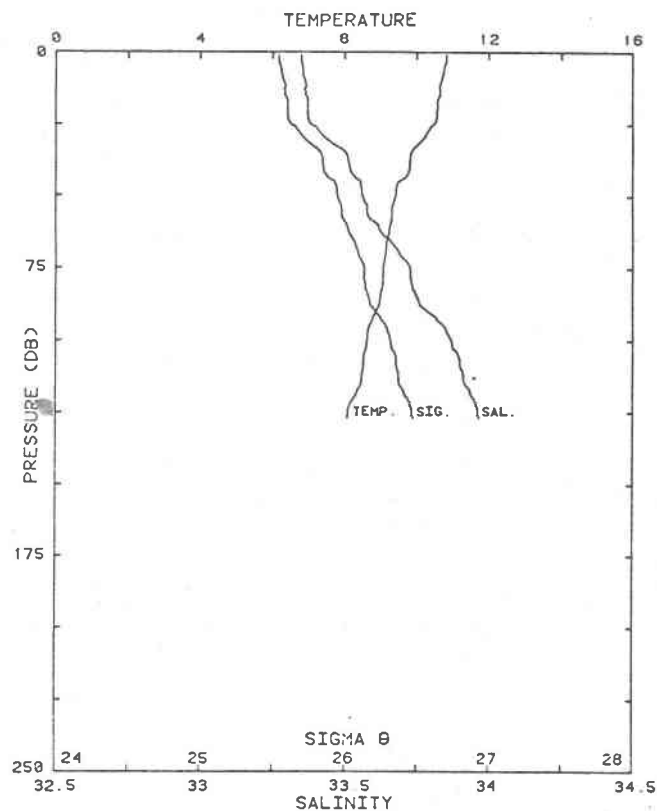
STATION 19 AR 2

STA NO 19 AR 2 LAT: 38 55.7 N LONG: 123 49.2 W
 26 APR 1981 2033 GMT PROBE 2567 DEPTH 104M
 7.6 KM FROM SHORE

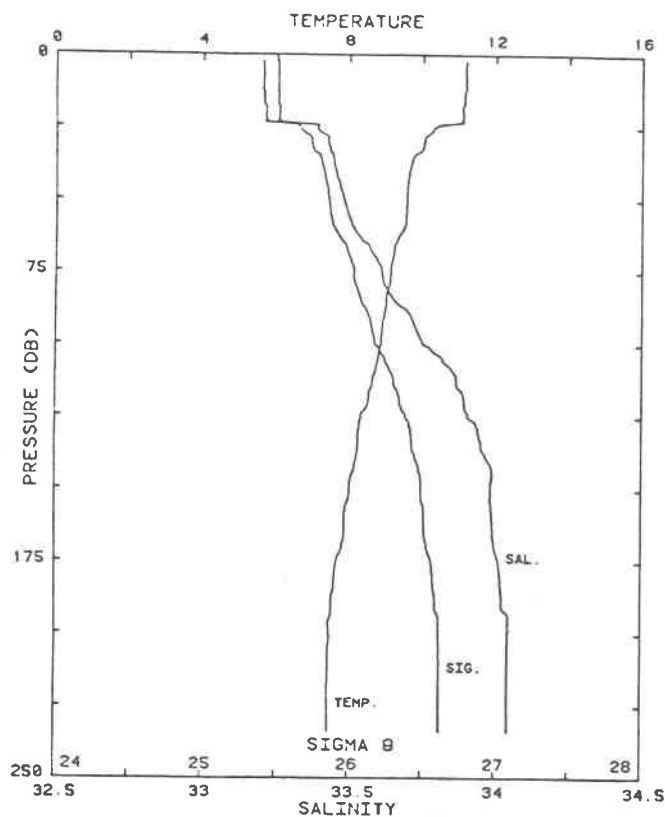
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	10.391	33.383	10.391	25.644	235.4	0.000
10	10.251	33.405	10.250	25.685	231.7	0.023
20	9.602	33.541	9.600	25.900	211.5	0.045
30	9.370	33.565	9.366	25.957	206.3	0.066
40	9.207	33.587	9.203	25.988	203.6	0.087
50	8.952	33.632	8.947	26.077	195.3	0.107
60	8.837	33.737	8.830	26.177	186.0	0.126
70	8.745	33.810	8.737	26.249	179.4	0.144
80	8.617	33.876	8.609	26.320	172.8	0.162
90	8.420	33.915	8.411	26.381	167.1	0.179
100	8.162	33.956	8.152	26.452	160.5	0.195
102	8.144	33.958	8.134	26.457	160.1	0.198

STA NO 20 AR 3 LAT: 38 54.9 N LONG: 123 52.6 W
 26 APR 1981 2117 GMT PROBE 2567 DEPTH 128M
 12.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.827	33.340	10.827	25.540	245.3	0.002
10	10.693	33.360	10.692	25.574	242.3	0.024
20	10.576	33.372	10.573	25.604	239.7	0.048
30	10.194	33.433	10.191	25.717	229.1	0.072
40	9.795	33.516	9.791	25.849	216.7	0.094
50	9.406	33.561	9.401	25.949	207.5	0.115
60	9.252	33.616	9.245	26.016	201.3	0.136
70	9.129	33.689	9.122	26.093	194.2	0.156
80	9.047	33.732	9.039	26.140	189.9	0.175
90	8.868	33.789	8.859	26.213	183.1	0.193
100	8.611	33.871	8.600	26.317	173.4	0.211
110	8.496	33.905	8.485	26.362	169.3	0.228
120	8.231	33.948	8.219	26.436	162.4	0.245
127	8.077	33.967	8.065	26.474	158.9	0.256



STATION 20 AR 3

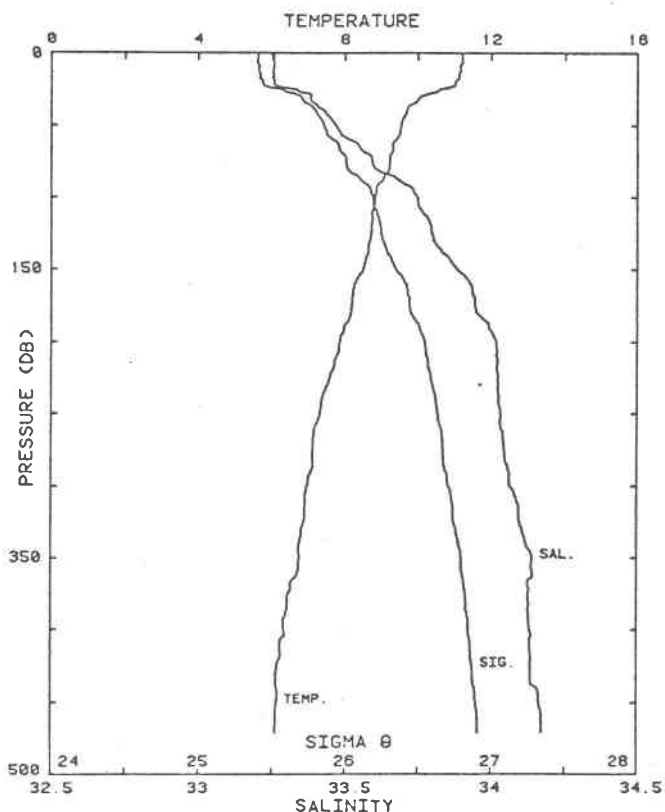


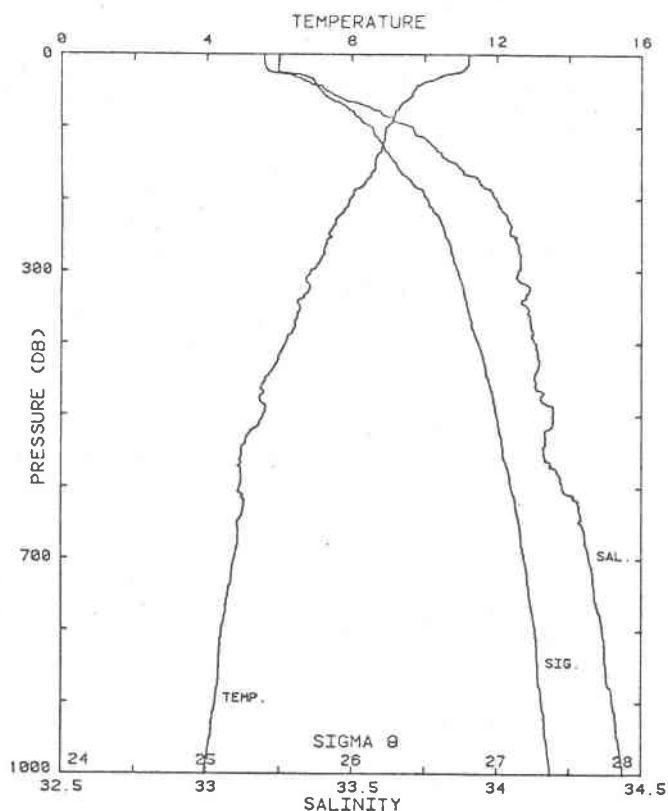
STA NO 21 AR 4 LAT: 38 53.9 N LONG:123 55.8 W
 26 APR 1981 2159 GMT PROBE 2557 DEPTH 234M
 17.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
2	11.170	33.255	11.170	25.407	258.0	0.005
10	11.173	33.255	11.172	25.407	258.1	0.026
20	11.094	33.261	11.091	25.426	256.6	0.052
30	10.027	33.427	10.024	25.741	226.9	0.076
40	9.639	33.454	9.634	25.826	218.9	0.098
50	9.570	33.482	9.565	25.860	216.0	0.120
60	9.479	33.518	9.472	25.903	212.1	0.141
70	9.193	33.595	9.186	26.009	202.1	0.162
80	9.092	33.627	9.084	26.051	198.4	0.182
90	8.971	33.712	8.962	26.136	190.4	0.201
100	8.895	33.753	8.884	26.181	186.4	0.220
110	8.721	33.863	8.710	26.294	175.8	0.238
120	8.523	33.895	8.511	26.350	170.6	0.255
130	8.277	33.942	8.264	26.424	163.7	0.272
140	8.193	33.976	8.179	26.464	160.2	0.288
150	8.029	33.986	8.014	26.497	157.2	0.304
175	7.678	34.014	7.661	26.570	150.6	0.343
200	7.494	34.047	7.475	26.623	145.9	0.380
225	7.463	34.046	7.441	26.627	146.0	0.416
234	7.462	34.046	7.440	26.627	146.1	0.429

STA NO 22 AR 5 LAT: 38 53.0 N LONG:123 59.0 W
 26 APR 1981 2243 GMT PROBE 2567 DEPTH 476M
 22.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	11.203	33.257	11.203	25.403	258.4	0.003
10	11.146	33.255	11.144	25.412	257.7	0.026
20	11.018	33.256	11.015	25.435	255.7	0.052
30	10.068	33.381	10.064	25.693	230.9	0.076
40	9.676	33.431	9.671	25.802	221.2	0.099
50	9.521	33.469	9.516	25.858	216.1	0.121
60	9.370	33.519	9.364	25.921	210.3	0.142
70	9.230	33.581	9.222	25.993	203.7	0.163
80	9.190	33.603	9.182	26.017	201.6	0.183
90	8.913	33.700	8.904	26.137	190.4	0.203
100	8.801	33.748	8.790	26.192	185.4	0.221
110	8.731	33.766	8.720	26.217	183.1	0.240
120	8.718	33.794	8.705	26.241	181.0	0.258
130	8.675	33.804	8.662	26.256	179.8	0.276
140	8.600	33.847	8.585	26.301	175.7	0.294
150	8.470	33.885	8.475	26.348	171.4	0.311
175	8.190	33.945	8.177	26.440	163.1	0.352
200	7.855	34.017	7.835	26.547	153.3	0.392
225	7.595	34.023	7.573	26.590	149.5	0.430
250	7.324	34.031	7.300	26.635	145.6	0.467
300	6.972	34.063	6.944	26.710	139.1	0.538
400	6.346	34.133	6.310	26.850	126.9	0.670
471	6.103	34.175	6.062	26.915	121.5	0.758





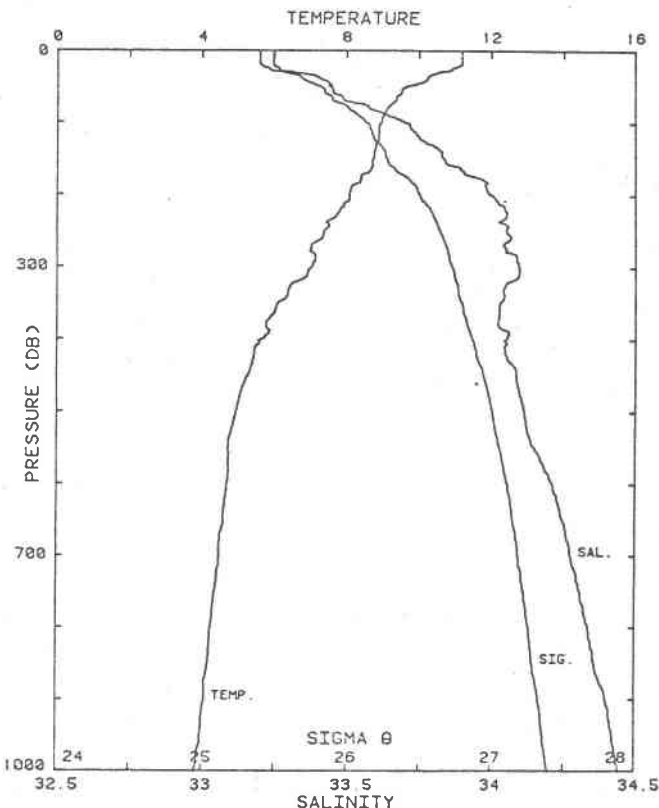
STATION 23 AR 5

STA NO 23 AR 6 LAT: 38 52.2 N LONG:124 2.5 W
 26 APR 1981 2343 GMT PROBE 2567 DEPTH 1226M
 28.7 KM FROM SHORE

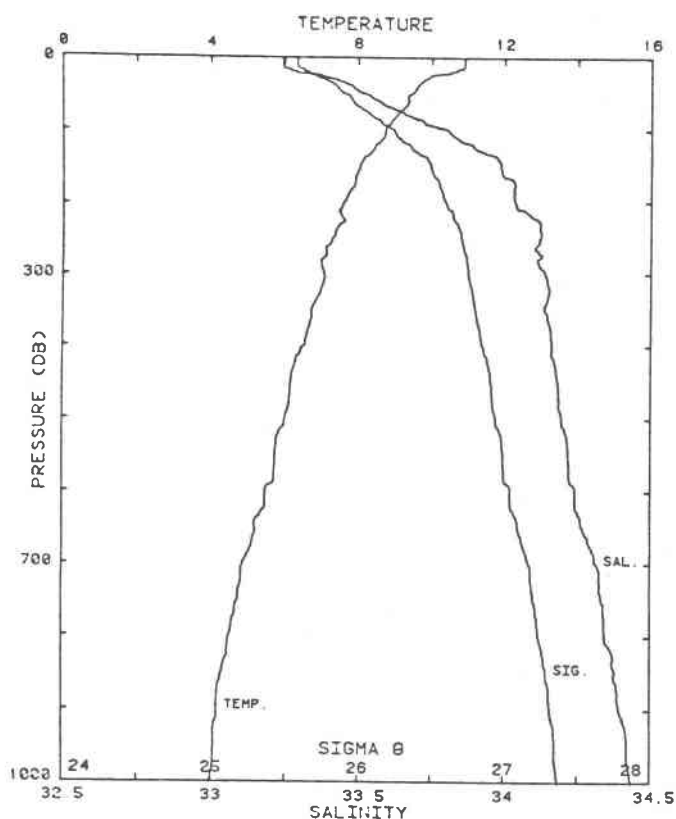
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.214	33.247	11.213	25.393	259.3	0.003
10	11.205	33.247	11.205	25.395	259.4	0.026
20	11.115	33.245	11.113	25.410	258.1	0.052
30	10.475	33.337	10.471	25.594	240.8	0.077
40	9.940	33.373	9.936	25.713	229.7	0.101
50	9.700	33.413	9.695	25.785	223.1	0.123
60	9.573	33.462	9.566	25.844	217.7	0.145
70	9.325	33.547	9.318	25.951	207.7	0.166
80	9.185	33.601	9.177	26.016	201.7	0.187
90	9.110	33.643	9.101	26.061	197.6	0.207
100	8.934	33.709	8.924	26.140	190.3	0.226
110	8.896	33.717	8.884	26.153	189.3	0.245
120	8.870	33.761	8.857	26.191	185.8	0.264
130	8.809	33.788	8.795	26.222	183.1	0.283
140	8.694	33.810	8.680	26.258	179.9	0.301
150	8.635	33.854	8.621	26.301	175.9	0.318
175	8.378	33.940	8.360	26.408	166.2	0.361
200	7.939	33.997	7.920	26.521	155.8	0.402
225	7.619	34.036	7.598	26.597	148.9	0.440
250	7.357	34.048	7.333	26.644	144.7	0.477
300	6.852	34.075	6.824	26.735	136.6	0.547
400	6.166	34.134	6.131	26.873	124.5	0.678
500	5.550	34.195	5.508	26.999	113.4	0.796
600	4.912	34.226	4.865	27.099	104.2	0.905
800	4.408	34.366	4.346	27.268	89.8	1.098
1000	3.934	34.437	3.858	27.375	80.7	1.270
1001	3.932	34.437	3.857	27.375	80.6	1.271

STA NO 24 AR 7 LAT: 38 50.2 N LONG:124 08.1 W
 27 APR 1981 0120 GMT PROBE 2567 DEPTH 2032M
 37.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.181	33.245	11.181	25.397	258.9	0.003
10	11.176	33.246	11.174	25.400	258.7	0.026
20	11.187	33.246	11.184	25.398	259.3	0.052
30	10.609	33.310	10.605	25.550	245.0	0.077
40	10.211	33.409	10.207	25.696	231.4	0.101
50	9.667	33.441	9.661	25.812	220.5	0.124
60	9.491	33.454	9.484	25.851	217.0	0.145
70	9.340	33.492	9.332	25.905	212.0	0.167
80	9.104	33.577	9.095	26.010	202.3	0.187
90	8.997	33.642	8.988	26.077	196.0	0.207
100	8.942	33.702	8.931	26.133	190.9	0.227
110	8.861	33.727	8.850	26.166	188.0	0.245
120	8.862	33.750	8.849	26.184	186.5	0.264
130	8.787	33.789	8.773	26.226	182.6	0.283
140	8.742	33.828	8.728	26.264	179.3	0.301
150	8.697	33.838	8.682	26.279	178.0	0.319
175	8.388	33.954	8.370	26.418	165.2	0.362
200	8.054	34.002	8.034	26.506	157.2	0.402
225	7.743	34.054	7.721	26.593	149.3	0.440
250	7.362	34.052	7.338	26.646	144.5	0.477
300	7.013	34.098	6.985	26.731	137.0	0.547
400	5.672	34.050	5.639	26.869	124.4	0.678
500	4.931	34.114	4.891	27.007	111.8	0.796
600	4.691	34.211	4.645	27.112	102.7	0.903
800	4.239	34.336	4.178	27.261	90.0	1.096
1000	3.805	34.444	3.731	27.393	78.6	1.265
1001	3.802	34.444	3.728	27.393	78.6	1.266



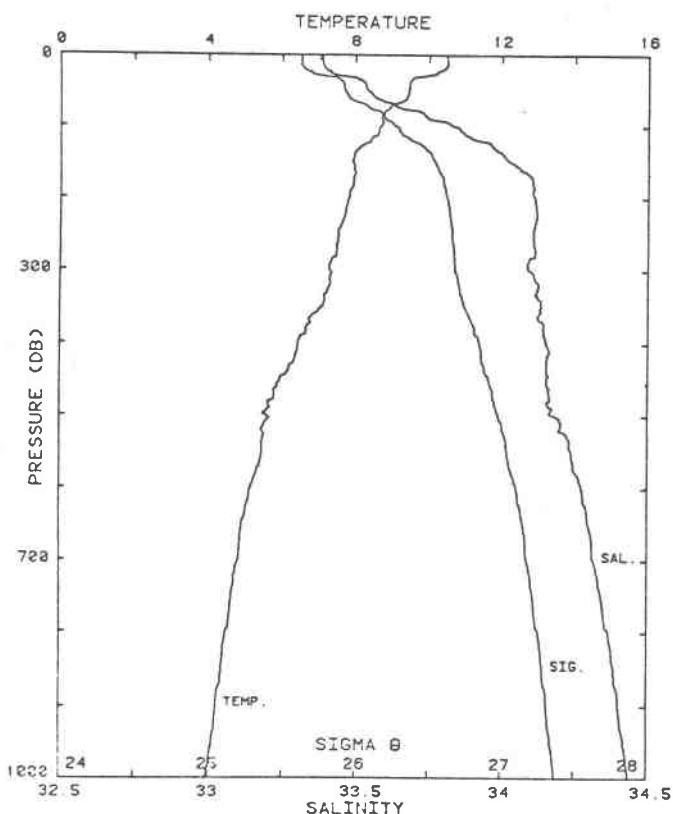
STATION 24 AR 7



STATION 25 NOR 7

STA NO 25 NOR 7 LAT: 38 37.8 N LONG: 123 59.1 W
 27 APR 1981 0347 GMT PROBE 2567 DEPTH 2006M
 37.3 KM FROM SHORE

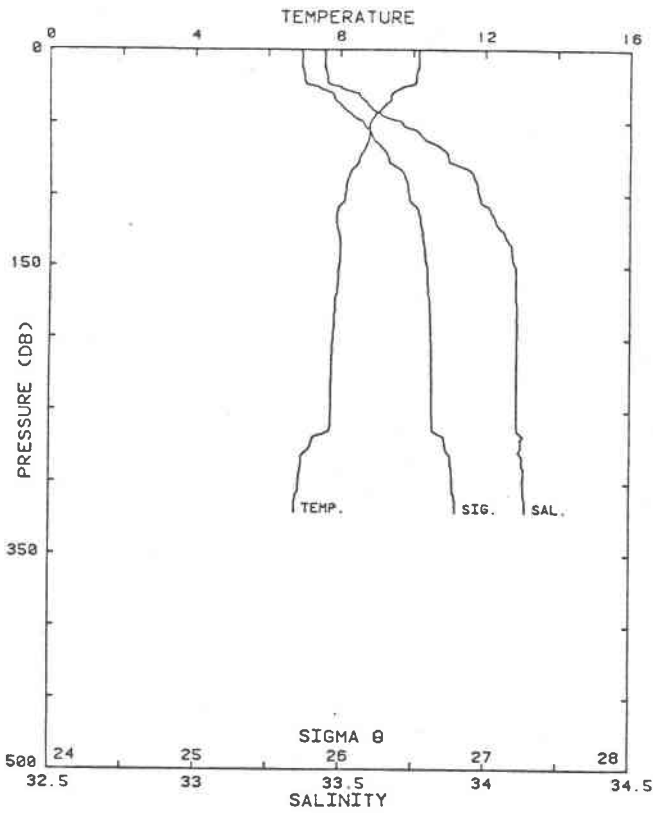
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DEL D
1	10.893	33.291	10.893	25.485	250.6	0.003
10	10.887	33.292	10.888	25.486	250.6	0.025
20	10.513	33.332	10.511	25.583	241.6	0.050
30	9.843	33.413	9.845	25.760	225.1	0.073
40	9.605	33.480	9.605	25.852	216.5	0.095
50	9.480	33.517	9.474	25.902	211.9	0.117
60	9.369	33.566	9.363	25.959	206.7	0.138
70	9.231	33.616	9.223	26.020	201.1	0.158
80	9.042	33.669	9.033	26.092	194.5	0.178
90	8.882	33.725	8.873	26.161	188.1	0.197
100	8.742	33.804	8.732	26.245	180.3	0.215
110	8.703	33.830	8.691	26.271	178.0	0.233
120	8.477	33.886	8.465	26.350	170.6	0.251
130	8.369	33.918	8.355	26.391	166.9	0.268
140	8.159	33.975	8.145	26.468	159.8	0.284
150	8.053	33.987	8.038	26.494	157.5	0.300
175	7.922	34.035	7.905	26.551	152.4	0.339
200	7.638	34.036	7.618	26.594	148.7	0.376
225	7.642	34.114	7.620	26.654	143.5	0.413
250	7.360	34.125	7.336	26.704	139.0	0.448
300	7.087	34.140	7.059	26.754	134.9	0.516
400	6.563	34.164	6.526	26.846	127.5	0.647
500	6.020	34.198	5.976	26.944	119.1	0.770
600	5.487	34.244	5.437	27.046	110.1	0.885
800	4.504	34.344	4.441	27.240	92.6	1.085
1000	3.945	34.436	3.870	27.373	80.9	1.257
1002	3.943	34.436	3.868	27.373	80.8	1.258



STATION 26 NOR 6

STA NO 26 NOR 6 LAT: 38 41.1 N LONG: 123 53.3 W
 27 APR 1981 0532 GMT PROBE 2567 DEPTH 1241M
 28.1 KM FROM SHORE

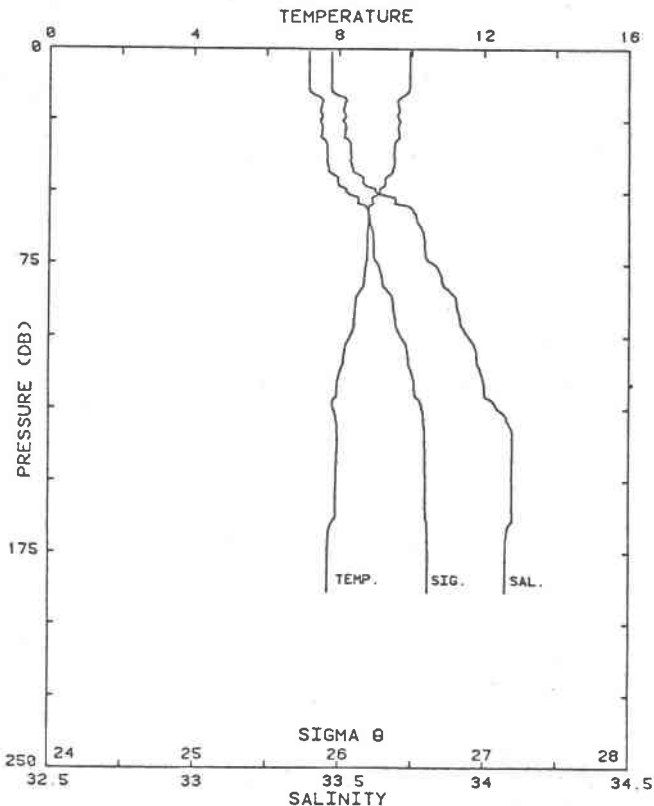
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DEL D
1	10.477	33.378	10.476	25.625	237.2	0.002
10	10.500	33.388	10.499	25.629	237.0	0.024
20	10.391	33.402	10.389	25.659	234.4	0.047
30	9.877	33.454	9.874	25.787	222.5	0.070
40	9.464	33.532	9.460	25.916	210.4	0.092
50	9.443	33.542	9.438	25.927	209.6	0.113
60	9.393	33.569	9.386	25.957	206.9	0.133
70	9.001	33.637	8.993	26.073	196.0	0.154
80	8.785	33.724	8.777	26.175	186.5	0.173
90	8.723	33.756	8.713	26.210	183.4	0.191
100	8.675	33.841	8.664	26.284	176.6	0.209
110	8.623	33.872	8.612	26.316	173.7	0.227
120	8.422	33.930	8.410	26.393	166.6	0.244
130	8.094	33.975	8.081	26.473	158.6	0.260
140	7.971	34.007	7.957	26.521	154.6	0.276
150	7.941	34.031	7.926	26.545	152.6	0.291
175	7.955	34.107	7.938	26.603	147.6	0.329
200	7.830	34.116	7.810	26.628	145.6	0.365
225	7.719	34.123	7.697	26.650	143.9	0.401
250	7.551	34.110	7.527	26.665	142.8	0.437
300	7.337	34.100	7.308	26.688	141.4	0.508
400	6.458	34.156	6.423	26.953	126.7	0.643
500	5.623	34.188	5.581	26.984	114.8	0.765
600	5.187	34.276	5.138	27.107	104.0	0.874
800	4.492	34.369	4.430	27.261	90.6	1.068
1000	3.941	34.437	3.866	27.374	80.7	1.240
1001	3.939	34.438	3.863	27.375	80.7	1.241



STATION 27 NOR 5

STA NO 27 NOR 5 LAT: 38 42.8 N LONG:123 50.6 W
 27 APR 1981 0705 GMT PROBE 2567 DEPTH 321M
 23.7 KM FROM SHORE

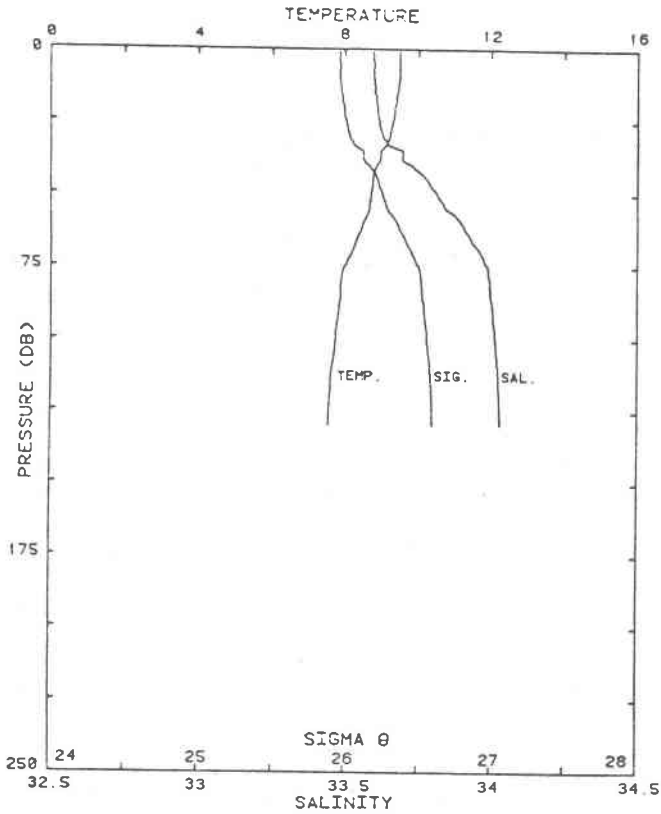
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	10.152	33.444	10.152	25.732	227.1	0.002
10	10.153	33.444	10.151	25.732	227.2	0.023
20	10.086	33.453	10.083	25.751	225.7	0.045
30	9.420	33.565	9.417	25.949	207.1	0.067
40	9.142	33.609	9.138	26.028	199.7	0.088
50	8.811	33.712	8.805	26.161	187.2	0.107
60	8.779	33.782	8.772	26.221	181.8	0.125
70	8.637	33.861	8.630	26.305	174.0	0.143
80	8.437	33.907	8.429	26.372	167.7	0.160
90	8.192	33.968	8.183	26.457	159.9	0.177
100	8.126	33.980	8.116	26.476	158.2	0.193
110	7.923	34.018	7.912	26.537	152.6	0.208
120	7.901	34.038	7.889	26.555	151.0	0.223
130	7.989	34.074	7.976	26.571	149.7	0.238
140	7.995	34.094	7.981	26.586	148.6	0.253
150	7.958	34.107	7.943	26.602	147.2	0.268
175	7.858	34.111	7.841	26.620	145.9	0.305
200	7.804	34.111	7.784	26.628	145.6	0.341
225	7.763	34.111	7.741	26.634	145.4	0.378
250	7.749	34.111	7.725	26.637	145.6	0.414
300	6.875	34.134	6.847	26.779	132.5	0.483
321	6.753	34.141	6.723	26.801	130.6	0.511



STATION 28 NOR 4

STA NO 28 NOR 4 LAT: 38 44.6 N LONG:123 48.0 W
 27 APR 1981 0757 GMT PROBE 2567 DEPTH 191M
 18.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	9.936	33.473	9.936	25.791	221.4	0.002
10	9.942	33.473	9.941	25.790	221.7	0.022
20	9.634	33.518	9.632	25.877	213.7	0.044
30	9.648	33.518	9.645	25.875	214.1	0.065
40	9.504	33.540	9.500	25.916	210.4	0.087
50	9.117	33.623	9.112	26.043	198.5	0.107
60	8.799	33.768	8.793	26.207	183.1	0.126
70	8.759	33.795	8.752	26.235	180.7	0.144
80	8.683	33.854	8.675	26.292	175.4	0.162
90	8.437	33.906	8.428	26.372	168.0	0.179
100	8.303	33.945	8.293	26.422	163.4	0.196
110	8.094	33.978	8.083	26.480	158.1	0.212
120	7.929	34.003	7.917	26.524	154.0	0.227
130	7.940	34.086	7.927	26.537	148.2	0.242
140	7.952	34.100	7.938	26.597	147.5	0.257
150	7.931	34.099	7.916	26.600	147.4	0.272
175	7.694	34.075	7.677	26.616	146.2	0.308
189	7.694	34.075	7.675	26.616	146.4	0.329



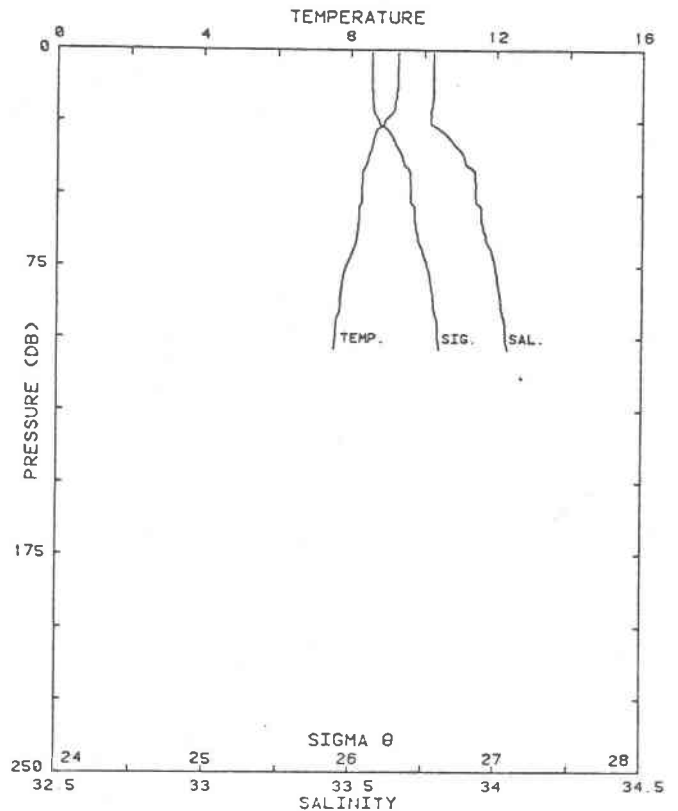
STATION 29 NOR 3

STA NO 29 NOR 3 LAT: 38 46.4 N LONG:123 45.1 W
 27 APR 1981 0843 GMT PROBE 2567 DEPTH 131M
 13.0 KM FROM SHORE

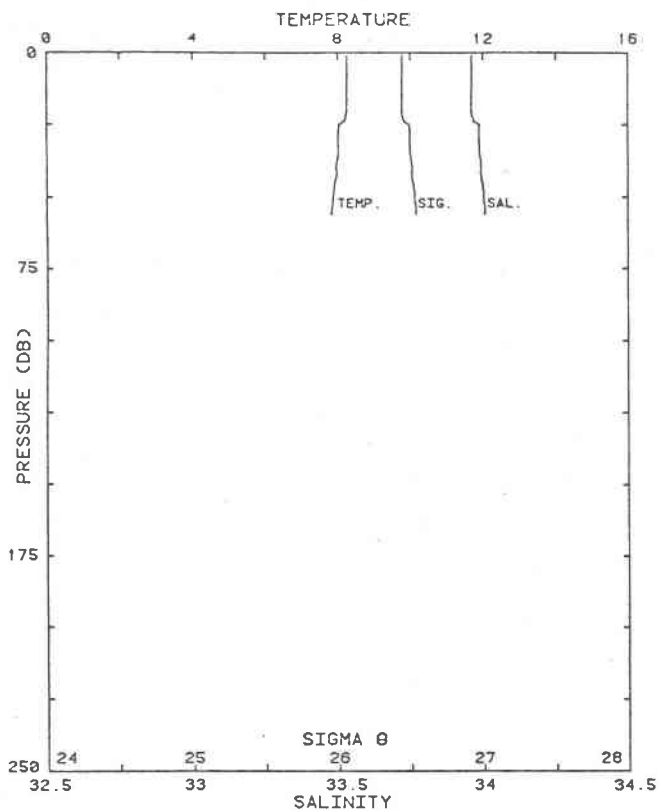
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
			TEMP	THETA		
1	9.487	33.596	9.487	25.961	205.3	0.002
10	9.484	33.599	9.483	25.965	205.1	0.021
20	9.348	33.612	9.346	25.997	202.3	0.041
30	9.215	33.628	9.211	26.031	199.2	0.061
40	8.853	33.730	8.849	26.169	186.3	0.080
50	8.710	33.814	8.705	26.257	178.2	0.098
60	8.492	33.897	8.486	26.355	169.0	0.116
70	8.184	33.961	8.177	26.453	159.7	0.132
80	7.890	33.996	7.882	26.524	153.3	0.148
90	7.829	34.006	7.820	26.541	151.8	0.163
100	7.738	34.015	7.728	26.561	150.1	0.178
110	7.644	34.024	7.633	26.582	148.3	0.193
120	7.586	34.029	7.575	26.594	147.3	0.208
130	7.558	34.033	7.546	26.601	146.7	0.223

STA NO 30 NOR 2 LAT: 38 48.1 N LONG:123 42.8 W
 27 APR 1981 0925 GMT PROBE 2567 DEPTH 105M
 8.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
			TEMP	THETA		
1	9.277	33.781	9.277	26.140	188.3	0.002
10	9.266	33.780	9.265	26.141	188.4	0.019
20	9.193	33.776	9.191	26.150	187.7	0.038
30	8.639	33.829	8.636	26.279	175.6	0.056
40	8.407	33.894	8.403	26.366	167.6	0.073
50	8.303	33.927	8.298	26.408	163.8	0.090
60	8.210	33.949	8.204	26.439	161.0	0.106
70	8.043	33.983	8.036	26.490	156.3	0.122
80	7.787	34.005	7.779	26.546	151.2	0.137
90	7.703	34.017	7.699	26.567	149.4	0.152
100	7.587	34.032	7.578	26.596	146.8	0.167
104	7.556	34.040	7.546	26.607	145.8	0.173



STATION 30 NOR 2



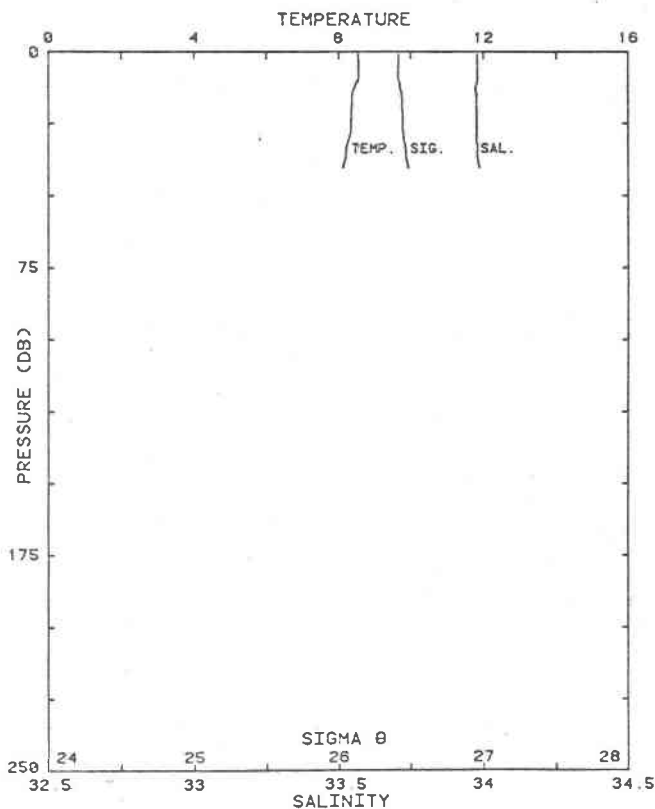
STATION 31 NOR 1

STA NO 31 NOR 1 LAT: 38 50.2 N LONG:123 40.1 W
 27 APR 1981 1007 GMT PROBE 2567 DEPTH 58M
 3.1 KM FROM SHORE.

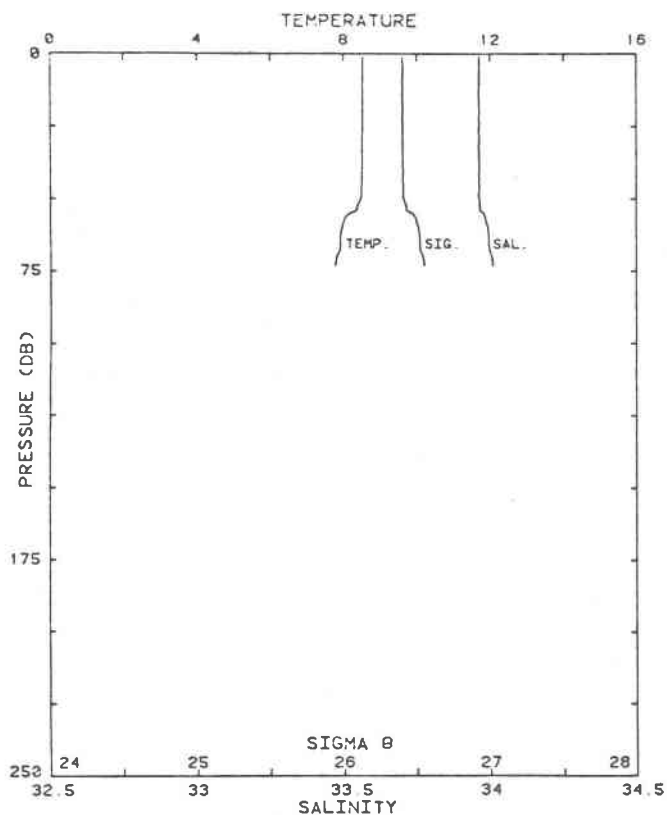
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	8.253	33.962	8.253	26.442	159.7	0.002
10	8.254	33.962	8.253	26.442	159.8	0.016
20	8.248	33.961	8.246	26.442	160.0	0.032
30	8.020	33.988	8.017	26.498	154.9	0.048
40	7.950	33.994	7.946	26.513	153.6	0.063
50	7.880	34.003	7.875	26.530	152.1	0.078
56	7.839	34.008	7.834	26.540	151.3	0.088

STA NO 32 COC 1 LAT: 38 40.0 N LONG:123 26.2 W
 27 APR 1981 1226 GMT PROBE 2567 DEPTH 45M
 1.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	8.534	33.980	8.534	26.413	162.4	0.002
10	8.525	33.979	8.524	26.414	162.4	0.016
20	8.346	33.976	8.344	26.439	160.2	0.032
30	8.282	33.976	8.279	26.449	159.5	0.048
40	8.119	33.985	8.115	26.480	156.7	0.064



STATION 32 COC 1

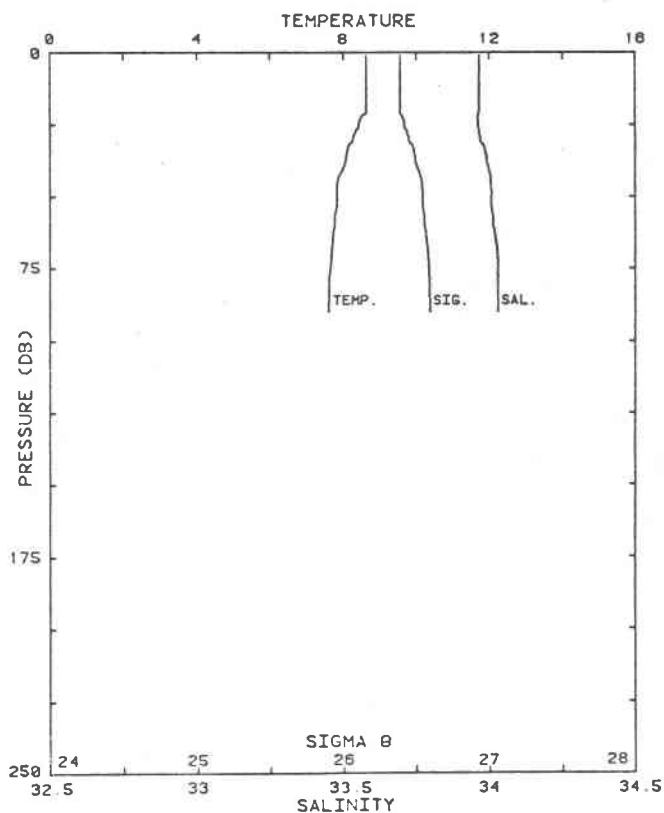


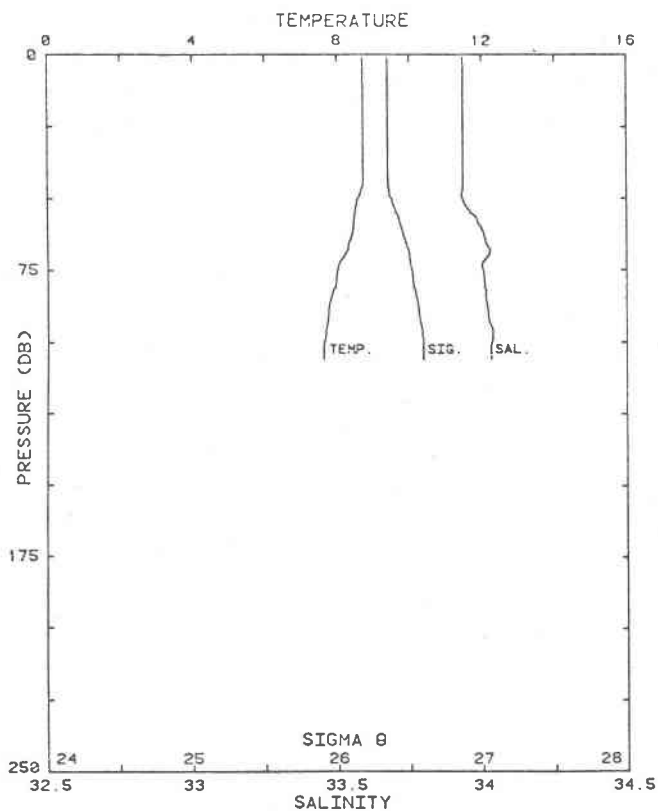
STA NO 33 COC 2 LAT: 38 38.8 N LONG: 123 27.0 W
 27 APR 1981 1302 GHT PROBE 2567 DEPTH 76M
 3.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.530	33.964	8.530	26.401	163.5	0.002
10	8.515	33.963	8.514	26.402	163.6	0.016
20	8.513	33.963	8.511	26.403	163.7	0.033
30	8.509	33.963	8.505	26.404	163.8	0.049
40	8.498	33.963	8.494	26.406	163.8	0.065
50	8.470	33.963	8.465	26.411	163.6	0.082
60	7.958	33.993	7.952	26.511	154.2	0.098
70	7.816	34.007	7.809	26.543	151.3	0.113
73	7.777	34.009	7.770	26.551	150.6	0.118

STA NO 34 COC 3 LAT: 33 37.5 N LONG: 123 29.4 W
 27 APR 1981 1345 GMT PROBE 2567 DEPTH 96M
 8.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.620	33.967	8.620	26.389	164.6	0.002
10	8.622	33.965	8.621	26.388	164.7	0.016
20	8.619	33.965	8.617	26.389	165.1	0.033
30	8.248	33.969	8.245	26.449	159.5	0.049
40	7.989	33.998	7.985	26.510	153.9	0.065
50	7.819	34.007	7.814	26.542	151.0	0.080
60	7.763	34.012	7.757	26.555	150.0	0.095
70	7.678	34.028	7.671	26.579	147.8	0.110
80	7.613	34.029	7.605	26.590	147.0	0.125
90	7.595	34.030	7.587	26.593	146.3	0.139





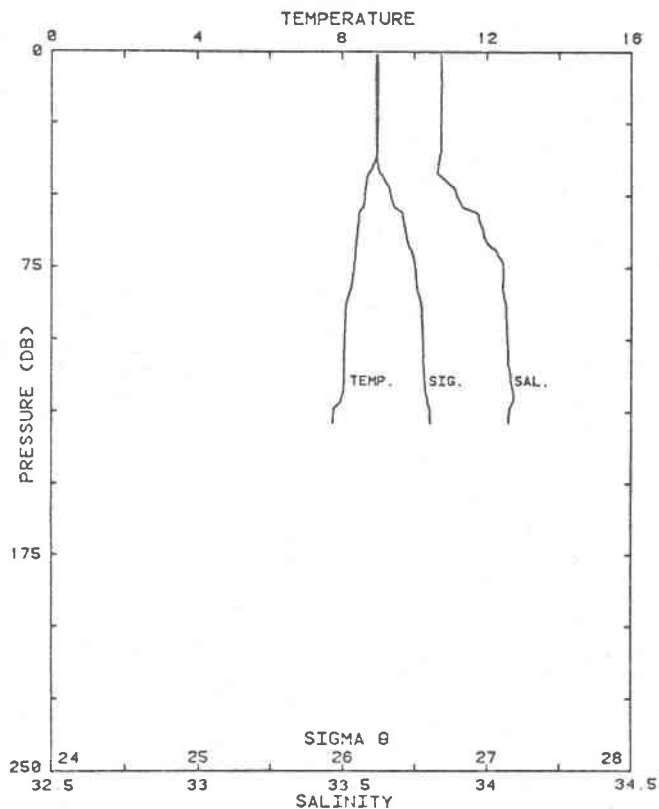
STATION 35 COC 4

STA NO 35 COC 4 LAT: 38 35.4 N LONG:123 30.6 W
 27 APR 1981 1424 GMT PROBE 2567 DEPTH 111M
 11.5 KM FROM SHORE

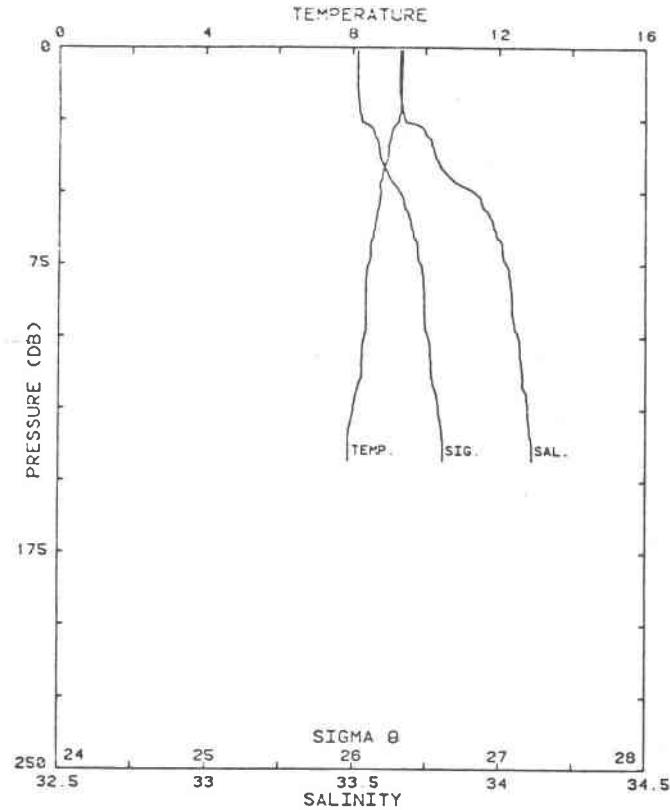
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.712	33.936	8.712	26.351	168.2	0.002
10	8.714	33.936	8.713	26.351	168.4	0.017
20	8.716	33.936	8.713	26.350	168.7	0.074
30	8.715	33.935	8.712	26.350	168.9	0.051
40	8.715	33.935	8.711	26.350	169.1	0.067
50	8.560	33.934	8.555	26.374	167.1	0.084
60	8.438	33.998	8.431	26.443	160.7	0.101
70	8.187	34.023	8.180	26.500	155.4	0.117
80	7.953	34.011	7.946	26.526	153.1	0.132
90	7.743	34.023	7.734	26.566	149.4	0.147
100	7.628	34.034	7.619	26.592	147.1	0.162
105	7.607	34.033	7.597	26.594	147.1	0.171

STA NO 36 COC 5 LAT: 38 34.7 N LONG:123 33.3 W
 27 APR 1981 1506 GMT PROBE 2567 DEPTH 135M
 15.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.988	33.842	8.988	26.234	179.4	0.002
10	8.994	33.844	8.993	26.234	179.5	0.018
20	8.989	33.842	8.987	26.234	179.7	0.036
30	8.969	33.839	8.966	26.235	179.8	0.054
40	8.835	33.831	8.831	26.250	178.6	0.072
50	8.623	33.894	8.618	26.333	171.0	0.089
60	8.448	33.978	8.442	26.426	162.3	0.106
70	8.358	34.035	8.351	26.484	157.0	0.122
80	8.273	34.056	8.265	26.514	154.3	0.137
90	8.089	34.066	8.080	26.549	151.1	0.153
100	8.066	34.071	8.056	26.557	150.6	0.168
110	8.057	34.078	8.046	26.564	150.1	0.183
120	7.991	34.094	7.979	26.586	148.1	0.198
129	7.740	34.076	7.727	26.609	146.1	0.211



STATION 36 COC 5



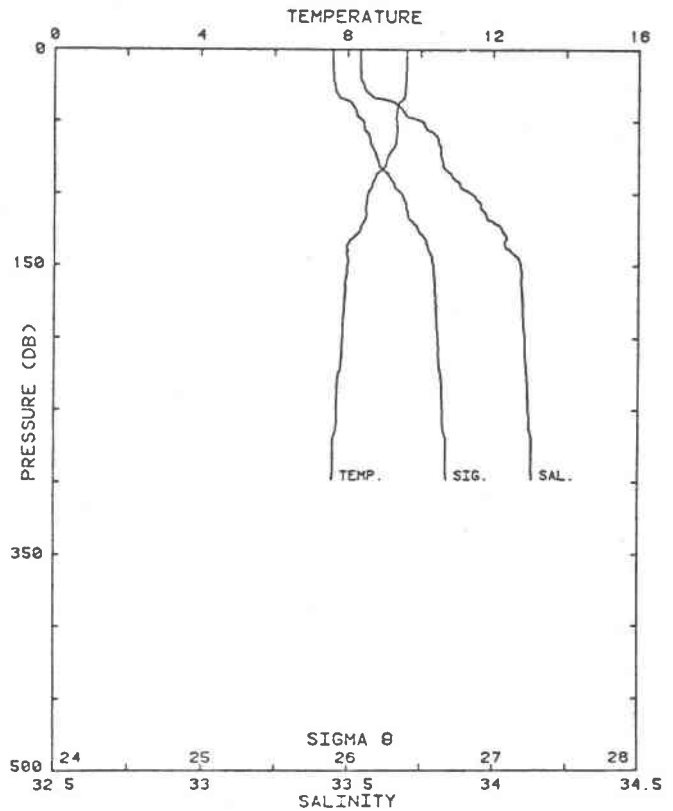
STATION 37 COC 6

STA NO 37 COC 6 LAT: 38 32.7 N LONG:123 36.2 W
 27 APR 1981 1548 GMT PROBE 2567 DEPTH 147M
 21.1 KM FROM SHORE

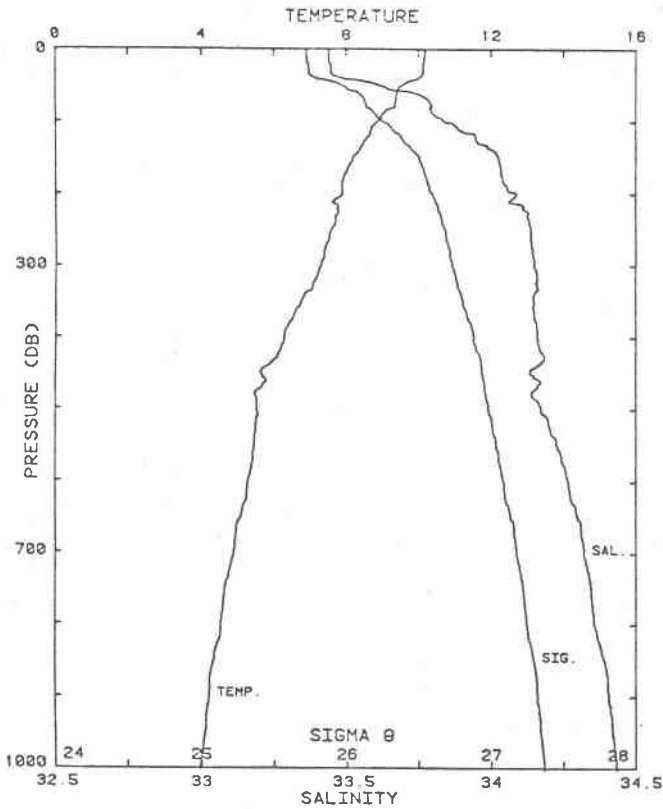
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.360	33.662	9.360	26.034	198.4	0.002
10	9.351	33.661	9.349	26.035	198.5	0.020
20	9.320	33.668	9.317	26.046	197.6	0.040
30	9.060	33.747	9.057	26.150	187.9	0.059
40	8.924	33.797	8.920	26.209	182.5	0.078
50	8.787	33.910	8.781	26.320	172.2	0.095
60	8.531	33.978	8.625	26.397	165.1	0.112
70	8.497	34.012	8.490	26.444	160.7	0.129
80	8.365	34.037	8.356	26.485	157.1	0.144
90	8.364	34.045	8.355	26.491	156.7	0.160
100	8.312	34.064	8.302	26.514	154.6	0.176
110	8.240	34.077	8.229	26.536	152.8	0.191
120	8.081	34.094	8.069	26.573	149.4	0.206
130	7.933	34.103	7.920	26.602	146.8	0.221
140	7.875	34.113	7.861	26.619	145.4	0.236
143	7.876	34.113	7.862	26.619	145.4	0.240

STA NO 38 COC 7 LAT: 38 30.3 N LONG:123 39.6 W
 27 APR 1981 1633 GMT PROBE 2567 DEPTH 302M
 27.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.603	33.542	9.603	25.900	211.1	0.002
10	9.302	33.543	9.600	25.902	211.1	0.021
20	9.587	33.545	9.585	25.906	210.9	0.042
30	9.565	33.555	9.561	25.926	209.2	0.063
40	9.363	33.678	9.358	26.046	198.0	0.084
50	9.345	33.755	9.340	26.110	192.2	0.103
60	9.337	33.806	9.331	26.151	188.5	0.122
70	9.196	33.818	9.188	26.183	185.6	0.141
80	9.039	33.826	9.029	26.215	182.8	0.159
90	8.732	33.866	8.723	26.295	175.4	0.177
100	8.556	33.926	8.545	26.369	168.5	0.195
110	8.511	33.958	8.500	26.401	165.6	0.211
120	8.433	34.003	8.421	26.449	161.3	0.228
130	8.177	34.045	8.163	26.520	154.6	0.243
140	7.995	34.060	7.981	26.559	151.1	0.259
150	7.993	34.095	7.978	26.587	148.6	0.274
175	7.920	34.102	7.903	26.604	147.5	0.311
200	7.865	34.108	7.845	26.617	146.7	0.347
225	7.755	34.115	7.733	26.639	144.9	0.384
250	7.700	34.122	7.684	26.652	144.2	0.420
298	7.583	34.134	7.554	26.680	142.3	0.489



STATION 38 COC 7



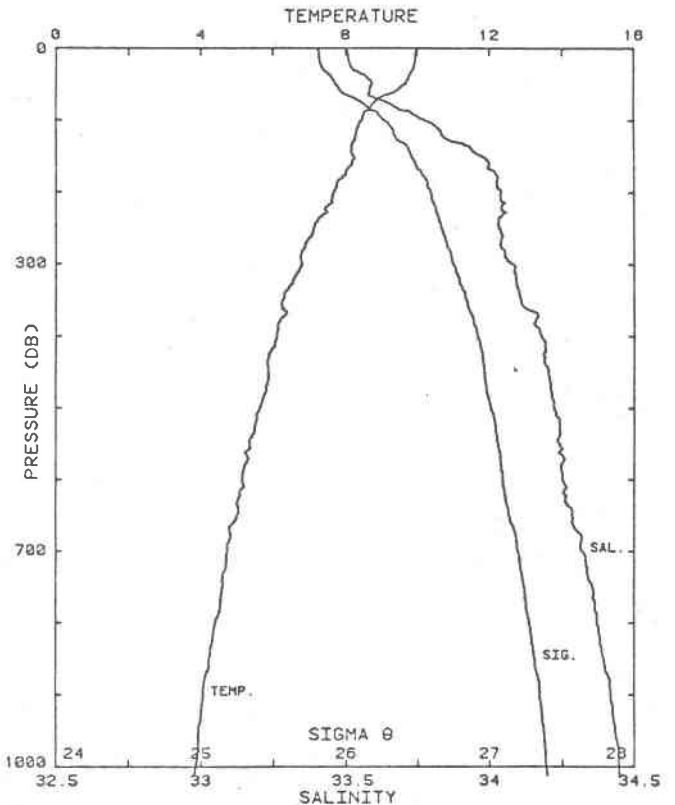
STATION 39 COC 8

STA NO 39 COC 8 LAT: 38 27.1 N LONG:123 44.5 W
 27 APR 1981 1733 GMT PROBE 2567 DEPTH 1202M
 37.2 KM FROM SHORE

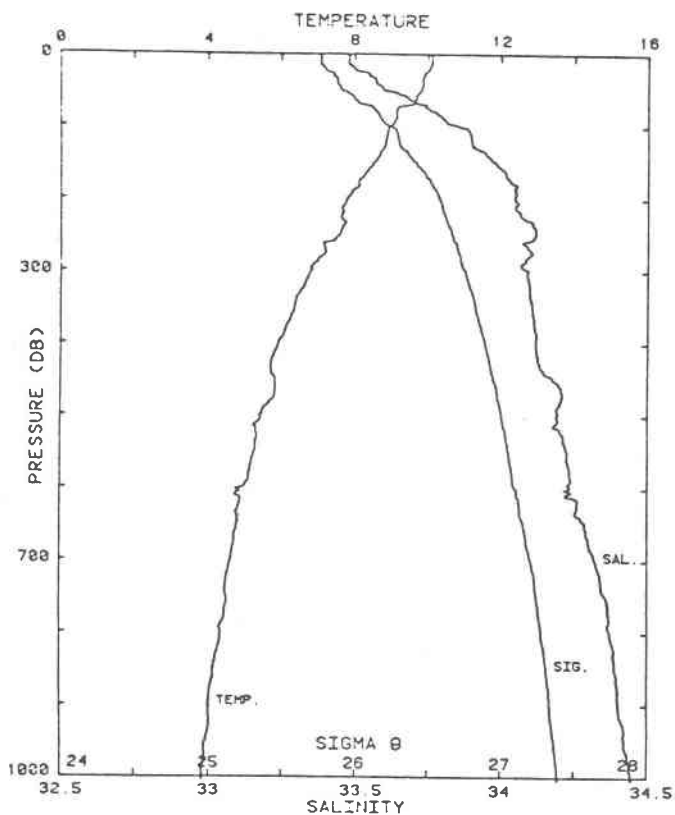
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	10.167	33.439	10.167	25.726	227.6	0.002
10	10.169	33.440	10.168	25.727	227.8	0.023
20	10.125	33.447	10.122	25.740	226.7	0.046
30	10.117	33.447	10.114	25.741	226.8	0.068
40	9.997	33.485	9.992	25.751	222.3	0.091
50	9.523	33.617	9.518	25.973	205.2	0.112
60	9.405	33.732	9.398	26.082	195.0	0.132
70	9.381	33.784	9.374	26.127	191.0	0.151
80	9.333	33.793	9.324	26.142	189.8	0.170
90	8.993	33.803	8.983	26.205	184.0	0.189
100	8.852	33.841	8.841	26.257	179.2	0.207
110	8.693	33.886	8.687	26.316	173.7	0.225
120	8.607	33.945	8.594	26.376	168.2	0.242
130	8.486	33.955	8.473	26.403	165.9	0.259
140	8.371	34.008	8.357	26.462	160.4	0.275
150	8.180	34.024	8.165	26.504	156.6	0.291
175	7.938	34.037	7.921	26.550	152.6	0.329
200	7.901	34.088	7.881	26.596	148.6	0.367
225	7.780	34.128	7.757	26.645	144.4	0.404
250	7.587	34.138	7.563	26.682	141.3	0.439
300	7.296	34.150	7.267	26.733	137.1	0.509
400	6.281	34.161	6.246	26.880	124.0	0.639
500	5.543	34.173	5.501	26.983	114.9	0.758
600	5.295	34.267	5.245	27.087	106.0	0.869
800	4.534	34.355	4.471	27.245	92.1	1.065
1000	3.964	34.435	3.889	27.370	81.2	1.236
1002	3.957	34.435	3.881	27.371	81.1	1.238

STA NO 40 COC 9 LAT: 38 24.0 N LONG:123 49.3 W
 27 APR 1981 1906 GMT PROBE 2567 DEPTH 1690M
 46.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	9.965	33.501	9.965	25.808	219.8	0.002
10	9.944	33.508	9.942	25.818	219.1	0.022
20	9.924	33.511	9.922	25.824	218.8	0.044
30	9.866	33.526	9.862	25.845	217.0	0.066
40	9.751	33.569	9.747	25.898	212.2	0.087
50	9.675	33.591	9.669	25.928	209.5	0.108
60	9.404	33.584	9.397	25.967	206.0	0.129
70	8.898	33.609	8.890	26.067	196.6	0.149
80	8.712	33.665	8.704	26.141	189.8	0.168
90	8.501	33.730	8.491	26.224	182.0	0.187
100	8.445	33.775	8.438	26.267	178.1	0.205
110	8.323	33.817	8.311	26.320	173.3	0.223
120	8.272	33.834	8.260	26.340	171.5	0.240
130	8.184	33.872	8.171	26.383	167.6	0.257
140	8.165	33.937	8.151	26.437	162.7	0.273
150	8.212	33.972	8.197	26.458	160.9	0.289
175	8.002	34.022	7.984	26.529	154.6	0.329
200	7.671	34.040	7.652	26.592	148.9	0.367
225	7.450	34.043	7.428	26.626	146.0	0.404
250	7.121	34.034	7.098	26.666	142.5	0.440
300	6.782	34.081	6.754	26.750	135.1	0.509
400	6.089	34.177	6.055	26.917	120.2	0.636
500	5.626	34.222	5.584	27.011	112.3	0.752
600	5.141	34.250	5.092	27.092	105.3	0.860
800	4.396	34.370	4.334	27.272	89.4	1.054
1000	3.858	34.447	3.784	27.390	79.0	1.220
1012	3.805	34.449	3.730	27.397	78.3	1.230



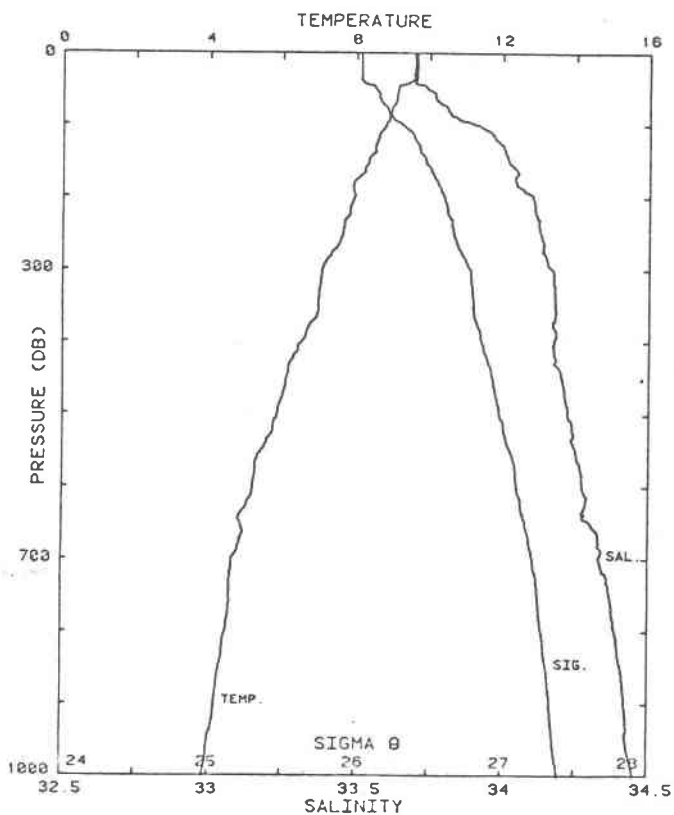
STATION 40 COC 9



STATION 41 ROS10

STA NO 41 ROS10 LAT: 38 6.8 N LONG:123 45.4 W
27 APR 1981 2140 GMT PROBE 2567 DEPTH 2571M
64.9 KM FROM SHORE

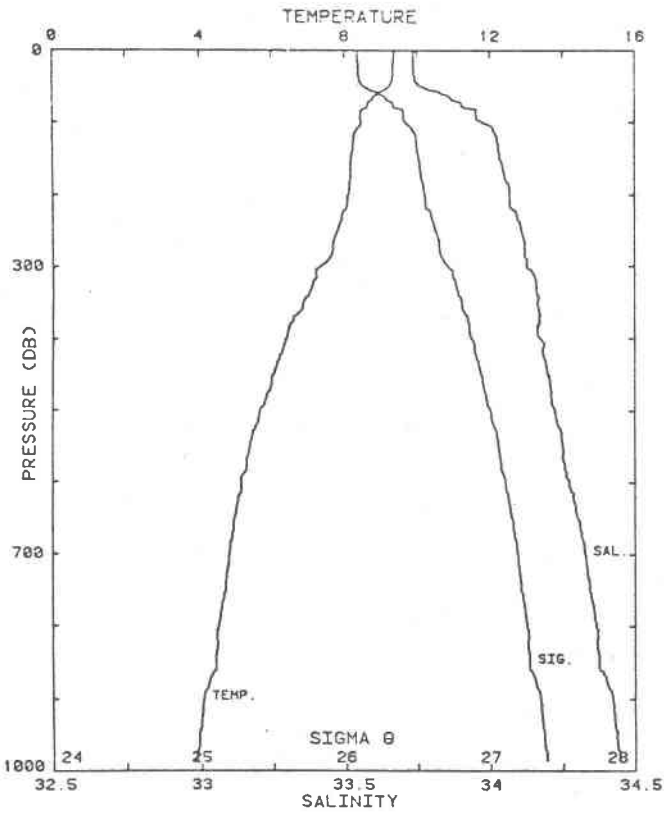
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DEL.D
1	10.116	33.476	10.116	25.763	224.1	0.002
10	10.111	33.478	10.110	25.766	224.0	0.022
20	10.038	33.499	10.035	25.795	221.5	0.045
30	9.897	33.549	9.894	25.850	215.7	0.067
40	9.867	33.575	9.863	25.883	213.5	0.088
50	9.817	33.606	9.813	25.915	210.7	0.109
60	9.675	33.680	9.668	25.977	203.2	0.130
70	9.467	33.745	9.459	26.082	195.2	0.150
80	9.144	33.774	9.135	26.157	188.3	0.169
90	9.112	33.807	9.103	26.189	185.5	0.188
100	8.951	33.856	8.941	26.253	179.6	0.206
110	8.890	33.895	8.879	26.293	176.0	0.224
120	8.846	33.899	8.833	26.303	175.2	0.241
130	8.778	33.914	8.765	26.326	173.2	0.259
140	8.668	33.953	8.653	26.373	168.9	0.276
150	8.503	33.983	8.487	26.423	164.4	0.292
175	8.126	34.034	8.109	26.519	155.5	0.332
200	7.792	34.049	7.772	26.582	150.0	0.371
225	7.644	34.074	7.622	26.623	146.5	0.408
250	7.582	34.118	7.558	26.667	142.7	0.444
300	6.800	34.092	6.773	26.756	134.6	0.513
400	5.925	34.119	5.891	26.892	122.5	0.642
500	5.438	34.191	5.397	27.009	112.2	0.759
600	4.916	34.233	4.868	27.104	103.8	0.867
800	4.350	34.373	4.288	27.279	88.6	1.058
1000	3.826	34.445	3.751	27.392	78.8	1.224
1004	3.815	34.446	3.745	27.394	78.6	1.228



STATION 42 ROS 9

STA NO 42 ROS 9 LAT: 38 10.1 N LONG:123 40.8 W
27 APR 1981 2322 GMT PROBE 2567 DEPTH 1843M
55.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DEL.D
2	9.589	33.707	9.589	26.031	198.6	0.004
10	9.590	33.706	9.588	26.031	198.8	0.020
20	9.589	33.707	9.587	26.032	199.0	0.040
30	9.556	33.704	9.552	26.035	198.9	0.060
40	9.462	33.700	9.458	26.047	197.9	0.080
50	9.143	33.743	9.138	26.133	190.0	0.099
60	9.114	33.770	9.107	26.159	187.7	0.118
70	9.060	33.789	9.052	26.182	185.7	0.136
80	8.963	33.815	8.955	26.210	182.5	0.155
90	8.893	33.845	8.884	26.253	179.4	0.173
100	8.810	33.917	8.800	26.322	173.0	0.191
110	8.660	33.959	8.649	26.379	167.8	0.208
120	8.583	33.978	8.570	26.406	165.4	0.224
130	8.526	34.002	8.512	26.433	162.7	0.241
140	8.459	34.010	8.444	26.450	161.6	0.257
150	8.344	34.021	8.329	26.476	159.2	0.273
175	7.997	34.044	7.979	26.547	152.9	0.312
200	7.940	34.102	7.920	26.601	148.2	0.350
225	7.795	34.119	7.773	26.636	145.3	0.386
250	7.641	34.132	7.616	26.667	142.5	0.422
300	7.063	34.174	7.035	26.784	132.1	0.491
400	6.542	34.176	6.506	26.858	126.3	0.621
500	5.869	34.223	5.826	26.982	115.3	0.741
600	5.200	34.275	5.151	27.105	104.2	0.950
800	4.478	34.389	4.416	27.278	89.0	1.041
1000	3.869	34.453	3.794	27.394	78.7	1.208
1001	3.869	34.453	3.794	27.394	78.7	1.209



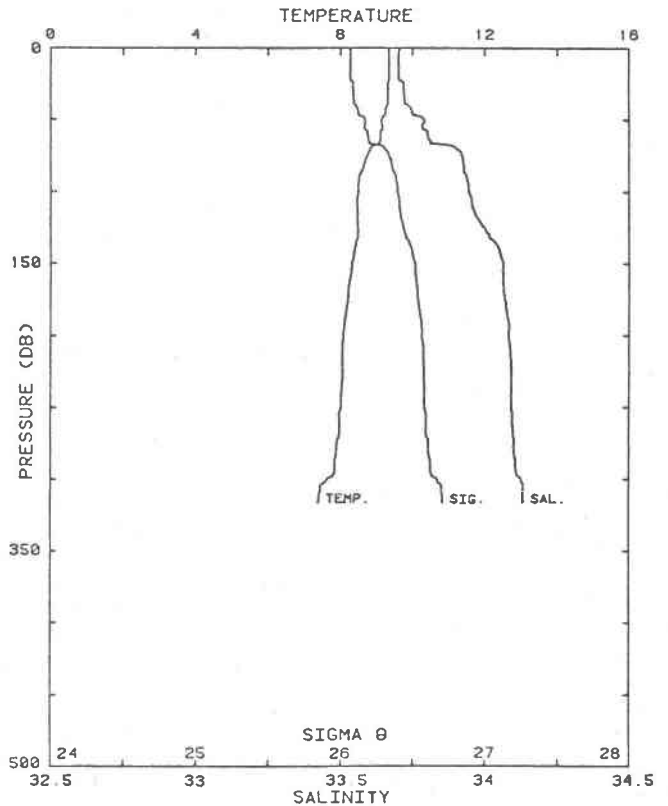
STATION 43 ROS 8

STA NO 43 ROS 8 LAT: 38 13.1 N LONG:123 35.7 W
 28 APR 1981 0115 GMT PROBE 2567 DEPTH 994M
 46.2 KM FROM SHORE

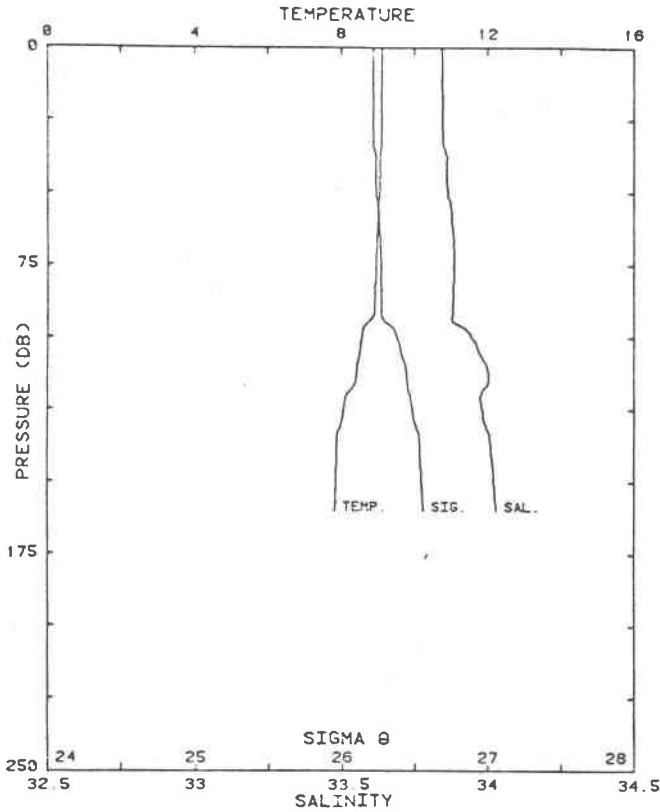
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
2	9.380	33.739	9.380	26.091	193.0	0.004
10	9.358	33.738	9.356	26.093	192.9	0.019
20	9.345	33.738	9.343	26.096	192.9	0.039
30	9.344	33.740	9.341	26.097	192.9	0.058
40	9.321	33.743	9.317	26.104	192.5	0.077
50	9.227	33.767	9.221	26.138	189.5	0.096
60	8.960	33.832	8.953	26.232	180.8	0.115
70	8.733	33.875	8.725	26.301	174.4	0.132
80	8.612	33.913	8.603	26.349	169.9	0.150
90	8.442	33.953	8.432	26.408	164.6	0.166
100	8.455	33.976	8.445	26.424	163.3	0.183
110	8.333	34.012	8.321	26.470	159.0	0.199
120	8.249	34.025	8.237	26.493	157.0	0.214
130	8.231	34.030	8.218	26.500	156.6	0.230
140	8.221	34.031	8.207	26.503	156.5	0.246
150	8.177	34.034	8.162	26.512	155.8	0.261
175	8.164	34.052	8.146	26.528	154.7	0.300
200	8.095	34.070	8.075	26.553	152.8	0.339
225	7.940	34.093	7.916	26.594	149.3	0.377
250	7.803	34.112	7.779	26.630	146.3	0.414
300	7.327	34.131	7.299	26.713	139.0	0.485
400	6.386	34.176	6.350	26.878	124.2	0.616
500	5.674	34.225	5.632	27.007	112.7	0.735
600	5.153	34.273	5.104	27.109	103.7	0.843
800	4.522	34.362	4.460	27.252	91.5	1.037
984	3.858	34.445	3.785	27.388	79.1	1.195

STA NO 44 ROS 7 LAT: 38 16.4 N LONG:123 30.8 W
 28 APR 1981 0339 GMT PROBE 2567 DEPTH 316M
 37.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	9.343	33.703	9.343	26.068	195.1	0.002
10	9.344	33.701	9.343	26.067	195.4	0.020
20	9.343	33.702	9.341	26.068	195.5	0.039
30	9.314	33.721	9.311	26.088	193.8	0.059
40	9.282	33.733	9.278	26.103	192.6	0.078
50	9.138	33.787	9.132	26.168	186.6	0.097
60	9.100	33.800	9.094	26.185	185.3	0.116
70	8.824	33.901	8.816	26.309	173.8	0.134
80	8.658	33.926	8.650	26.353	169.7	0.151
90	8.504	33.937	8.495	26.386	166.7	0.168
100	8.477	33.945	8.466	26.396	165.9	0.184
110	8.459	33.956	8.448	26.407	165.1	0.201
120	8.469	33.981	8.457	26.426	163.5	0.217
130	8.469	34.015	8.455	26.452	161.2	0.233
140	8.381	34.051	8.367	26.494	157.4	0.249
150	8.303	34.063	8.288	26.516	155.5	0.265
175	8.196	34.070	8.179	26.537	153.9	0.304
200	8.082	34.082	8.062	26.565	151.7	0.342
225	8.054	34.091	8.032	26.576	151.1	0.380
250	8.010	34.092	7.985	26.583	150.8	0.417
300	7.610	34.126	7.580	26.669	143.3	0.492
316	7.380	34.133	7.350	26.703	139.8	0.514



STATION 44 ROS 7



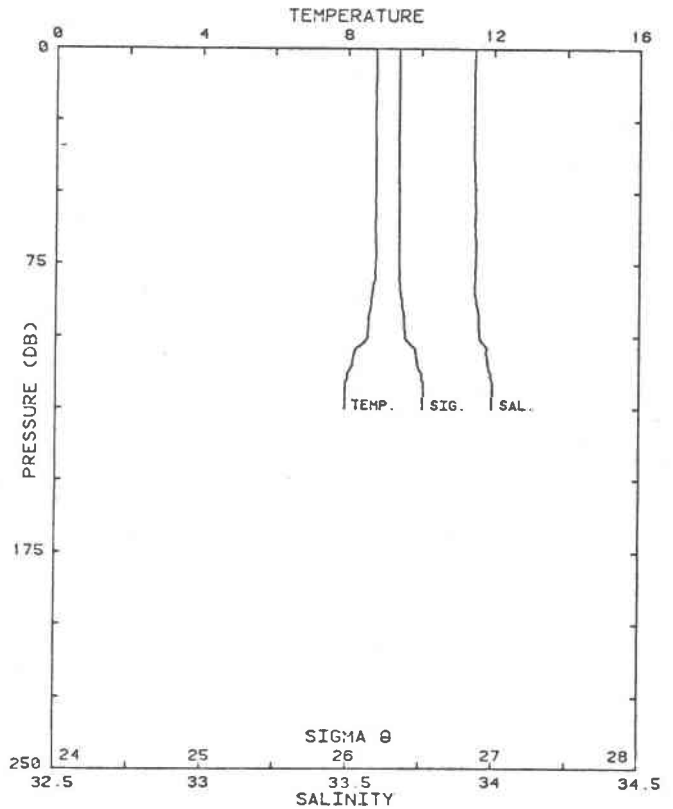
STATION 45 ROS 6

STA NO 45 ROS 6 LAT: 30 19.6 N LONG:123 25.9 W
 28 APR 1981 0507 GMT PROBE 2567 DEPTH 162M
 27.9 KM FROM SHORE

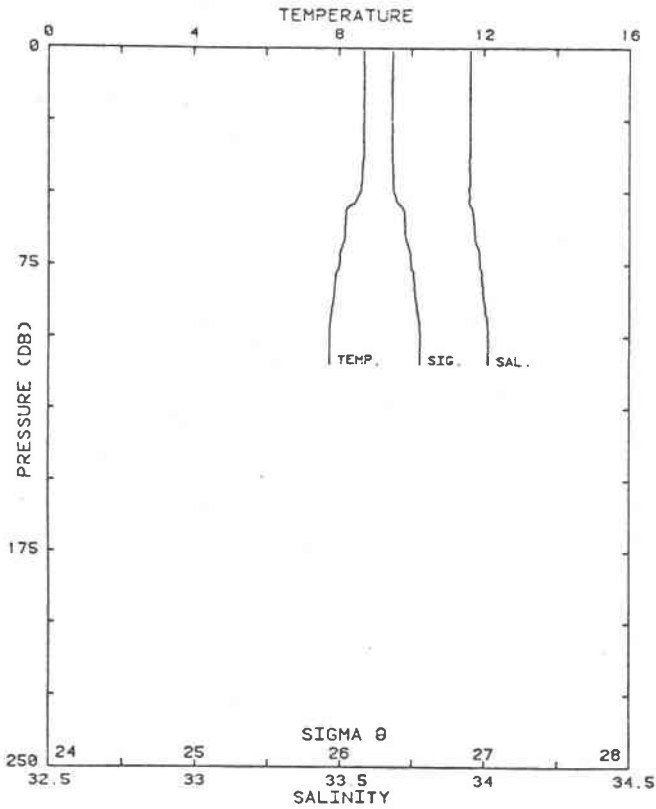
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	9.106	33.845	9.106	26.217	180.9	0.000
10	9.105	33.845	9.104	26.217	181.1	0.018
20	9.103	33.847	9.101	26.220	181.1	0.036
30	9.103	33.847	9.100	26.220	181.3	0.054
40	9.067	33.860	9.063	26.236	179.9	0.072
50	9.054	33.866	9.043	26.243	179.5	0.090
60	9.018	33.878	9.012	26.259	178.2	0.108
70	8.976	33.886	8.969	26.271	177.2	0.126
80	8.956	33.886	8.947	26.275	177.1	0.144
90	8.917	33.882	8.908	26.278	177.0	0.161
100	8.570	33.945	8.559	26.302	167.3	0.179
110	8.446	33.998	8.434	26.442	161.7	0.195
120	8.153	33.979	8.141	26.472	159.0	0.211
130	7.997	33.991	7.984	26.505	156.0	0.227
140	7.875	34.013	7.862	26.540	152.8	0.242
150	7.858	34.020	7.843	26.548	152.2	0.258
160	7.811	34.030	7.796	26.563	151.0	0.273

STA NO 46 ROS 5 LAT: 38 21.3 N LONG:123 23.3 W
 28 APR 1981 0553 GMT PROBE 2567 DEPTH 128M
 22.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	8.747	33.933	8.746	26.344	168.9	0.000
10	8.740	33.931	8.739	26.343	169.2	0.017
20	8.740	33.931	8.738	26.343	169.4	0.034
30	8.740	33.930	8.737	26.342	169.7	0.051
40	8.741	33.933	8.737	26.344	169.7	0.068
50	8.746	33.936	8.741	26.346	169.7	0.085
60	8.737	33.935	8.731	26.347	169.8	0.102
70	8.755	33.938	8.747	26.347	170.1	0.119
80	8.746	33.937	8.737	26.348	170.2	0.136
90	8.517	33.944	8.607	26.373	167.9	0.153
100	8.540	33.951	8.529	26.391	166.4	0.169
110	8.122	33.981	8.111	26.470	158.3	0.185
120	7.930	33.997	7.918	26.520	154.4	0.201
125	7.919	33.999	7.907	26.522	154.2	0.209



STATION 46 ROS 5



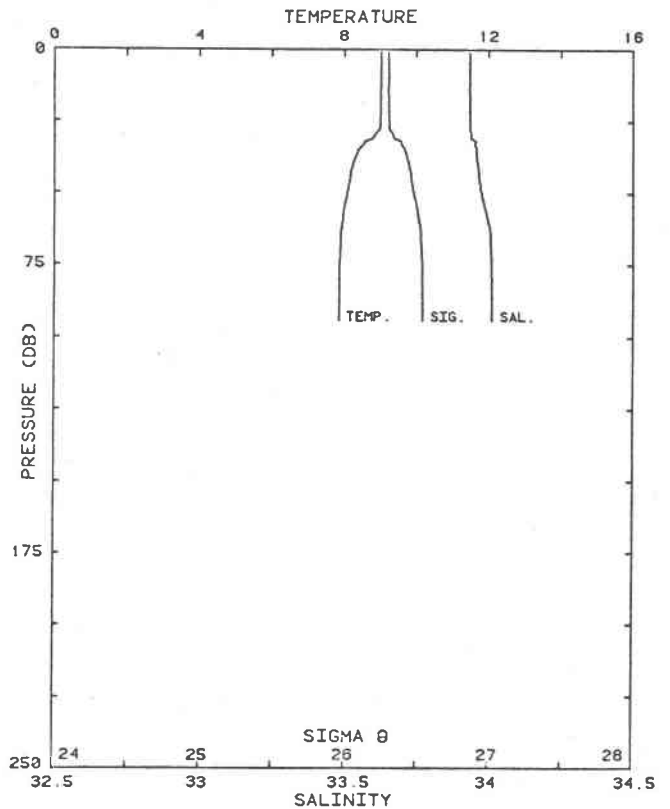
STATION 47 ROS 4

STA NO 47 ROS 4 LAT: 38 23.0 N LONG:123 20.7 W
 28 APR 1981 0633 GMT PROBE 2567 DEPTH 113M
 17.8 KM FROM SHORE

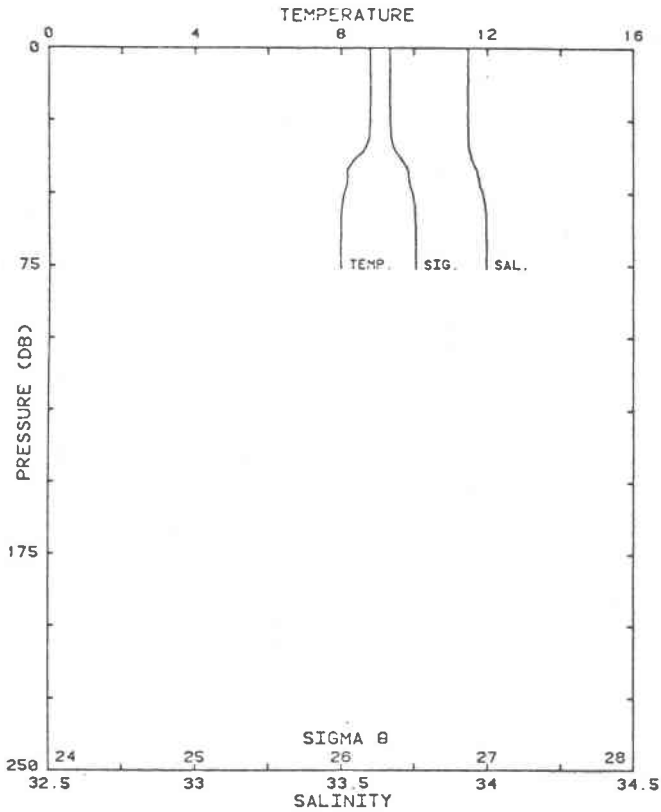
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.686	33.953	8.686	26.368	166.6	0.002
10	8.691	33.953	8.670	26.368	166.9	0.017
20	8.686	33.952	8.684	26.368	167.0	0.033
30	8.686	33.952	8.683	26.368	167.2	0.050
40	8.651	33.951	8.647	26.373	167.0	0.067
50	8.604	33.950	8.599	26.379	166.6	0.084
60	8.190	33.966	8.184	26.455	159.5	0.100
70	8.062	33.983	8.055	26.487	156.6	0.116
80	7.916	33.994	7.908	26.519	153.8	0.131
90	7.826	34.007	7.817	26.541	151.8	0.146
100	7.744	34.016	7.734	26.561	150.1	0.162
110	7.746	34.017	7.736	26.561	150.2	0.177

STA NO 48 ROS 3 LAT: 38 24.9 N LONG:123 18.0 W
 28 APR 1981 0718 GMT PROBE 2567 DEPTH 96M
 13.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.005	33.934	9.005	26.303	172.8	0.002
10	8.998	33.935	8.997	26.305	172.8	0.017
20	8.999	33.935	8.997	26.305	173.0	0.035
30	8.816	33.937	8.813	26.338	170.1	0.052
40	8.223	33.963	8.219	26.447	159.8	0.068
50	8.066	33.976	8.061	26.482	156.8	0.084
60	7.938	33.999	7.932	26.519	153.4	0.100
70	7.877	34.008	7.870	26.535	152.1	0.115
80	7.849	34.011	7.841	26.541	151.6	0.130
90	7.848	34.011	7.839	26.542	151.8	0.145
94	7.851	34.011	7.842	26.542	151.9	0.151



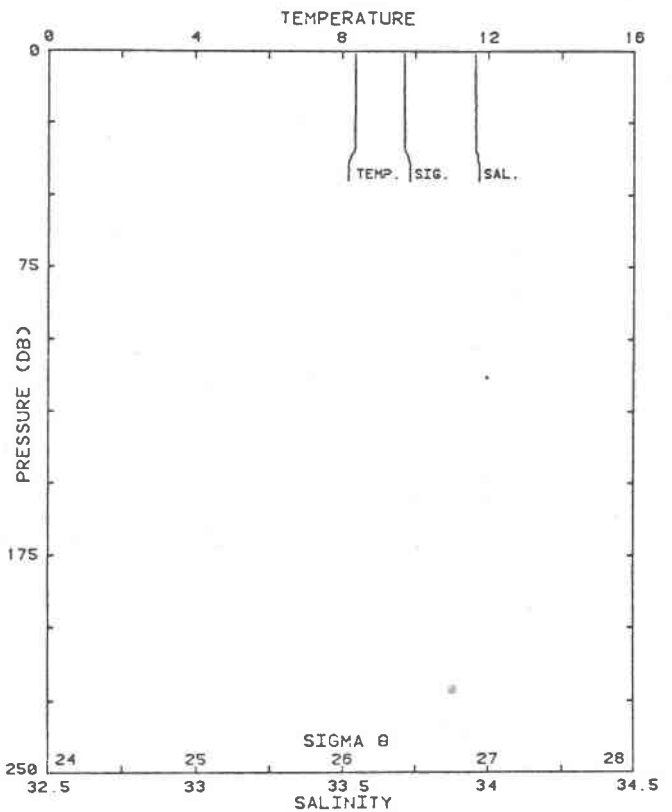
STATION 48 ROS 3



STATION 49 ROS 2

STA NO 49 ROS 2 LAT: 38 26.8 N LONG:123 15.3 W
 28 APR 1981 0757 GMT PROBE 2567 DEPTH 78M
 7.6 KM FROM SHORE

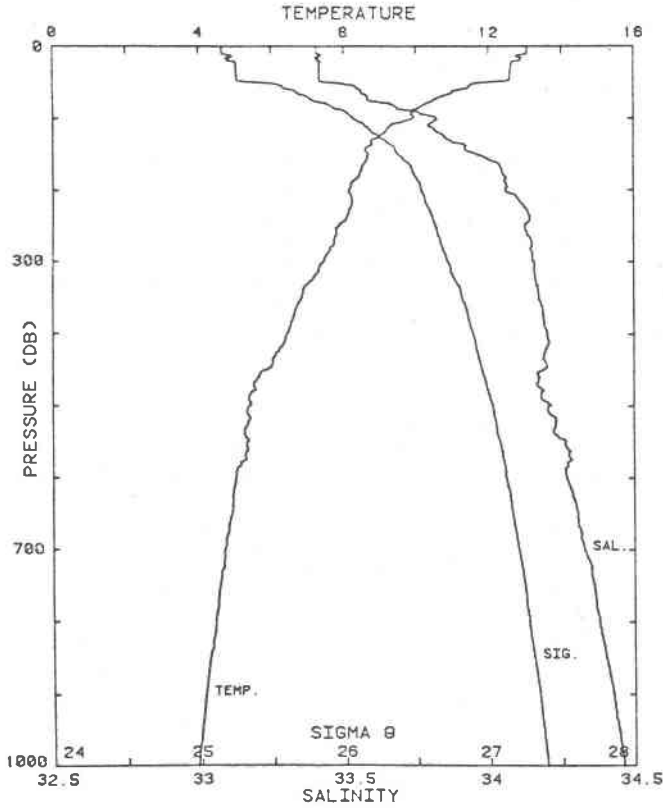
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	8.801	33.934	8.801	26.336	169.7	0.000
10	8.806	33.935	8.805	26.335	169.9	0.017
20	8.803	33.935	8.801	26.336	170.1	0.034
30	8.774	33.935	8.771	26.341	169.8	0.051
40	8.266	33.954	8.262	26.434	161.1	0.068
50	8.066	33.984	8.061	26.488	156.2	0.083
60	7.989	33.997	7.983	26.509	154.3	0.099
70	7.979	33.998	7.972	26.512	154.2	0.114
78	7.985	33.997	7.977	26.511	154.5	0.124



STATION 50 ROS 1

STA NO 50 ROS 1 LAT: 38 28.2 N LONG:123 12.8 W
 28 APR 1981 0829 GMT PROBE 2567 DEPTH 47M
 3.0 KM FROM SHORE

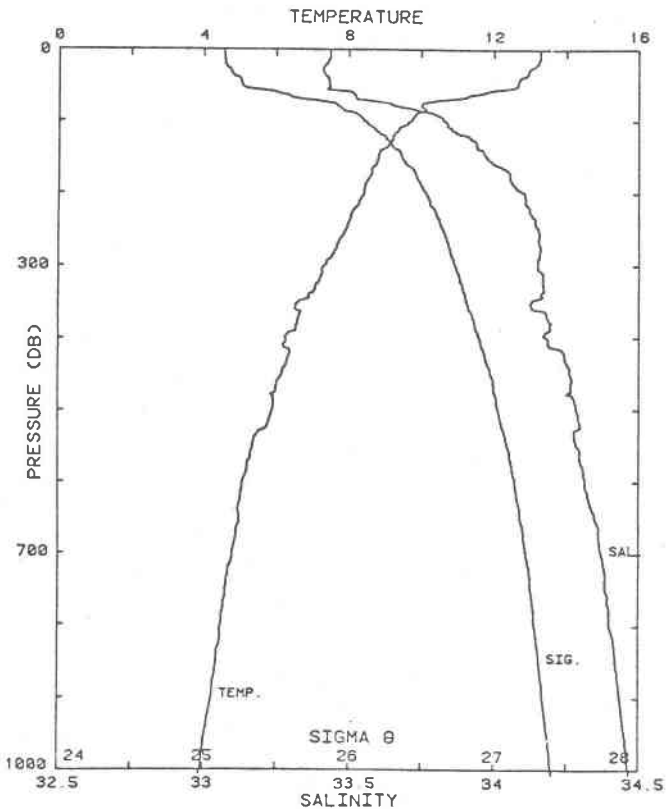
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.349	33.956	8.349	26.423	161.5	0.002
10	8.354	33.956	8.353	26.422	161.7	0.016
20	8.353	33.956	8.351	26.422	161.9	0.032
30	8.340	33.957	8.337	26.425	161.8	0.049
40	8.167	33.968	8.163	26.460	158.6	0.065
45	8.165	33.969	8.160	26.461	158.6	0.073



STATION 51 PR 9

STA NO 51 PR 9 LAT: 34 45.0 N LONG:122 00.0 W
 29 APR 1981 0552 GHT PROBE 2567 DEPTH 4034M
 121.6 KM FROM SHORE

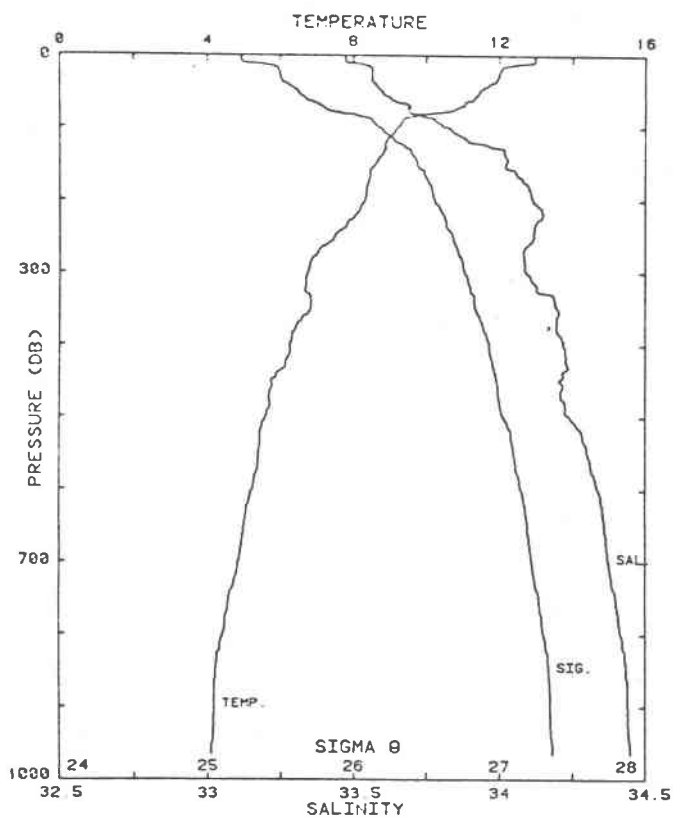
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.076	33.407	13.076	25.164	281.1	0.003
10	13.071	33.407	13.070	25.165	281.2	0.028
20	12.886	33.410	12.883	25.205	277.7	0.056
30	12.625	33.413	12.621	25.262	272.5	0.083
40	12.605	33.417	12.600	25.265	272.5	0.110
50	11.871	33.452	11.864	25.433	256.8	0.137
60	11.210	33.556	11.203	25.635	237.7	0.162
70	10.666	33.583	10.657	25.753	226.7	0.185
80	10.267	33.658	10.258	25.881	214.7	0.207
90	9.927	33.750	9.917	26.010	202.6	0.228
100	9.887	33.821	9.875	26.073	196.8	0.248
110	9.292	33.791	9.280	26.147	189.9	0.268
120	9.133	33.827	9.120	26.201	184.9	0.286
130	8.778	33.867	8.764	26.289	176.7	0.304
140	8.626	33.917	8.611	26.352	170.9	0.322
150	8.694	33.960	8.679	26.375	168.9	0.339
175	8.478	34.048	8.460	26.478	159.6	0.360
200	8.160	34.059	8.140	26.535	154.6	0.419
225	8.180	34.128	8.157	26.586	150.2	0.457
250	7.879	34.127	7.855	26.631	146.3	0.494
300	7.453	34.155	7.424	26.715	138.9	0.565
400	6.438	34.202	6.402	26.892	123.0	0.695
500	5.424	34.213	5.383	27.028	110.4	0.812
600	5.014	34.268	4.966	27.120	102.4	0.919
800	4.430	34.377	4.368	27.274	89.2	1.109
1000	3.886	34.458	3.812	27.397	78.5	1.276
1001	3.885	34.458	3.810	27.397	78.5	1.277



STATION 52 PR 8

STA NO 52 PR 8 LAT: 34 45.0 N LONG:121 48.0 W
 29 APR 1981 0732 GHT PROBE 2567 DEPTH 2233M
 103.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.285	33.434	13.285	25.143	283.1	0.003
10	13.286	33.436	13.285	25.144	283.2	0.028
20	13.227	33.423	13.224	25.147	283.2	0.057
30	12.970	33.411	12.966	25.189	279.5	0.085
40	12.735	33.431	12.730	25.251	273.9	0.113
50	12.653	33.433	12.646	25.269	272.4	0.140
60	11.736	33.514	11.728	25.506	250.0	0.166
70	10.490	33.560	10.482	25.766	225.4	0.190
80	10.030	33.687	10.021	25.944	208.6	0.212
90	9.831	33.800	9.821	26.065	197.3	0.232
100	9.645	33.836	9.634	26.125	191.9	0.251
110	9.382	33.853	9.370	26.182	186.6	0.270
120	9.221	33.907	9.208	26.250	180.4	0.289
130	9.113	33.940	9.099	26.293	176.4	0.307
140	8.863	33.959	8.848	26.347	171.4	0.324
150	8.813	33.975	8.797	26.368	169.6	0.341
175	8.588	34.056	8.570	26.467	160.7	0.382
200	8.423	34.106	8.403	26.532	154.9	0.422
225	8.089	34.124	8.066	26.597	149.1	0.460
250	7.908	34.154	7.884	26.648	144.7	0.497
300	7.309	34.151	7.280	26.732	137.2	0.567
400	6.249	34.179	6.214	26.898	122.2	0.697
500	5.900	34.285	5.857	27.027	111.1	0.813
600	5.097	34.316	5.049	27.149	99.9	0.918
800	4.492	34.399	4.430	27.285	88.4	1.105
1000	3.927	34.465	3.852	27.397	78.5	1.272
1006	3.890	34.468	3.814	27.404	77.9	1.276



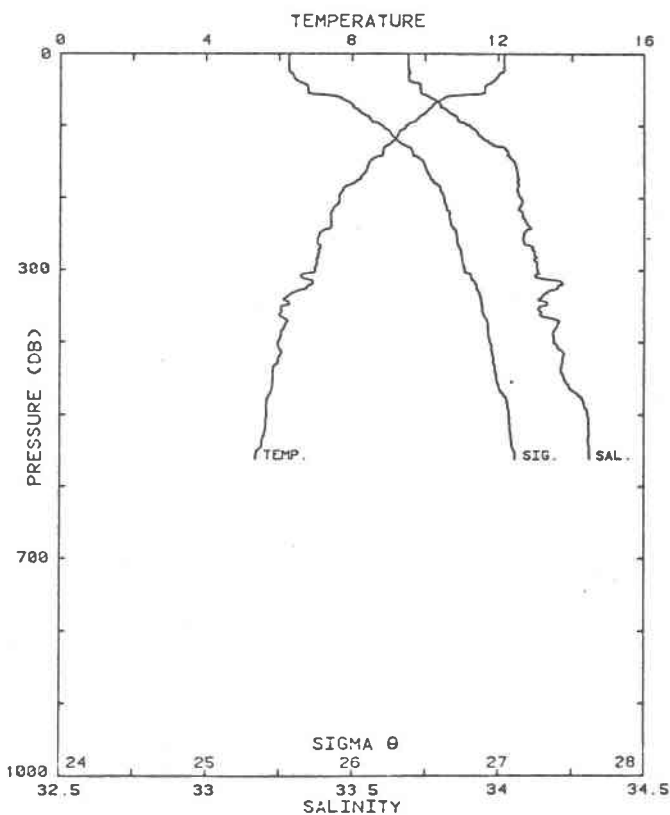
STATION 53 PR 7

STA NO 53 PR 7 LAT: 34 45.0 N LONG:121 36.0 W
 29 APR 1981 0919 GMT PROBE 2567 DEPTH 961M
 87.7 KM FROM SHORE

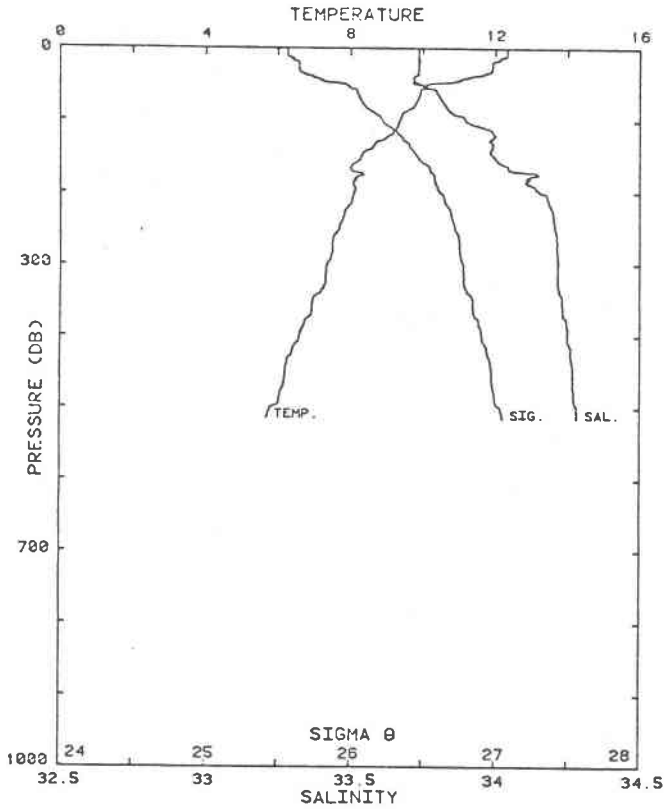
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.985	33.472	12.984	25.232	274.6	0.003
10	12.941	33.480	12.940	25.247	273.4	0.027
20	12.040	33.567	12.037	25.489	250.6	0.053
30	11.978	33.566	11.974	25.501	249.8	0.078
40	11.740	33.578	11.734	25.554	244.9	0.103
50	11.455	33.598	11.449	25.623	238.6	0.127
60	11.302	33.631	11.294	25.674	233.8	0.151
70	10.969	33.698	10.961	25.789	223.3	0.174
80	10.103	33.694	10.094	25.937	209.3	0.196
90	9.342	33.783	9.332	26.132	190.9	0.215
100	9.181	33.829	9.171	26.195	185.1	0.234
110	9.037	33.861	9.025	26.243	180.7	0.252
120	8.879	33.903	8.866	26.301	175.4	0.270
130	8.856	34.018	8.843	26.394	166.8	0.287
140	8.721	34.021	8.707	26.419	164.6	0.304
150	8.601	34.022	8.585	26.438	163.0	0.320
175	8.419	34.085	8.401	26.516	156.0	0.360
200	8.310	34.117	8.289	26.557	152.5	0.398
225	7.970	34.142	7.947	26.629	146.1	0.436
250	7.492	34.119	7.468	26.680	141.3	0.472
300	6.745	34.094	6.718	26.764	133.7	0.540
400	6.257	34.218	6.222	26.928	119.4	0.667
500	5.592	34.240	5.550	27.030	110.5	0.782
600	5.239	34.336	5.190	27.149	100.1	0.886
800	4.433	34.415	4.371	27.304	86.4	1.072
965	4.102	34.449	4.028	27.367	81.5	1.210

STA NO 54 PR 6 LAT: 34 45.0 N LONG:121 24.0 W
 29 APR 1981 1115 GMT PROBE 2567 DEPTH 565M
 68.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.146	33.691	12.146	25.564	243.0	0.002
10	12.154	33.691	12.153	25.563	243.3	0.024
20	12.154	33.693	12.151	25.565	243.4	0.049
30	12.010	33.691	12.006	25.591	241.2	0.073
40	11.825	33.700	11.820	25.634	237.4	0.097
50	11.627	33.731	11.620	25.695	231.9	0.120
60	10.683	33.751	10.676	25.881	214.3	0.143
70	10.241	33.797	10.233	25.994	203.8	0.164
80	10.041	33.823	10.032	26.048	198.8	0.184
90	9.794	33.859	9.784	26.117	192.4	0.204
100	9.458	33.904	9.447	26.209	183.9	0.222
110	9.250	33.929	9.238	26.262	179.0	0.241
120	9.116	33.958	9.103	26.306	174.9	0.258
130	8.846	34.017	8.832	26.395	166.6	0.276
140	8.803	34.032	8.788	26.414	165.1	0.292
150	8.454	34.054	8.433	26.485	158.4	0.308
175	8.136	34.068	8.118	26.545	153.1	0.347
200	7.642	34.076	7.623	26.625	145.8	0.384
225	7.405	34.083	7.384	26.664	142.4	0.420
250	7.087	34.087	7.064	26.712	138.1	0.456
300	6.967	34.133	6.940	26.765	133.8	0.524
400	5.954	34.188	5.917	26.943	117.7	0.646
500	5.650	34.304	5.608	27.073	104.5	0.759
561	5.353	34.310	5.307	27.114	103.0	0.823



STATION 54 PR 6



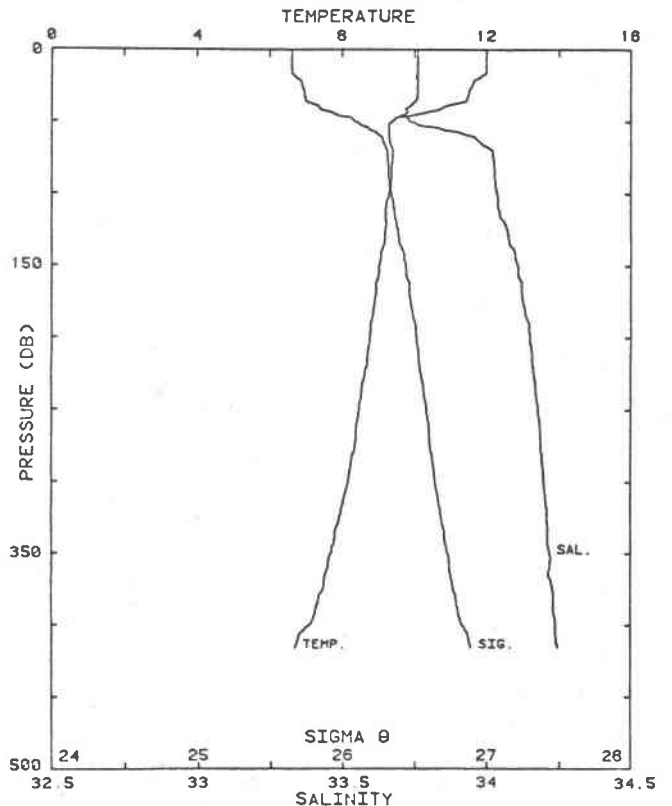
STATION 55 PR 5

STA NO 55 PR 5 LAT: 34 45.0 N LONG:121 12.0 W
 29 APR 1981 1252 GMT PROBE 2567 DEPTH 521M
 51.6 KM FROM SHORE

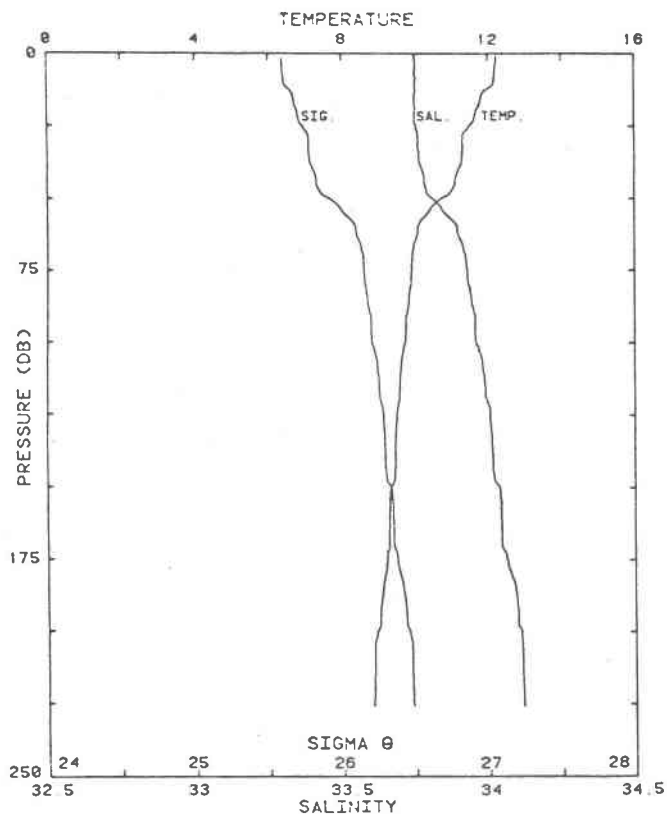
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	12.320	33.735	12.320	25.566	242.9	0.002
10	12.322	33.733	12.320	25.566	243.1	0.024
20	11.916	33.735	11.914	25.642	236.1	0.048
30	11.904	33.735	11.900	25.645	236.1	0.072
40	11.324	33.718	11.319	25.740	227.3	0.095
50	10.128	33.732	10.122	25.961	206.4	0.117
60	9.920	33.797	9.913	26.048	198.4	0.137
70	9.859	33.812	9.851	26.070	196.5	0.157
80	9.739	33.829	9.730	26.103	193.5	0.177
90	9.435	33.855	9.425	26.174	187.0	0.196
100	9.348	33.898	9.338	26.222	182.6	0.214
110	9.258	33.962	9.246	26.287	176.7	0.232
120	9.089	33.999	9.076	26.343	171.5	0.249
130	8.691	33.986	8.677	26.396	166.6	0.266
140	8.483	33.989	8.469	26.430	163.5	0.283
150	8.290	33.998	8.275	26.466	160.2	0.299
175	8.327	34.149	8.309	26.580	149.9	0.338
200	8.111	34.156	8.091	26.613	146.7	0.375
225	7.848	34.200	7.826	26.692	140.0	0.411
250	7.687	34.208	7.662	26.722	137.5	0.445
300	7.344	34.219	7.315	26.781	132.6	0.513
400	6.599	34.250	6.563	26.909	121.6	0.641
500	5.821	34.282	5.778	27.034	110.3	0.757
515	5.694	34.286	5.650	27.053	108.6	0.774

STA NO 56 PR 4 LAT: 34 45.0 N LONG:121 00.0 W
 29 APR 1981 1420 GMT PROBE 2567 DEPTH 411M
 33.3 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
0	11.983	33.760	11.983	25.649	235.0	0.000
10	11.984	33.760	11.983	25.649	235.2	0.024
20	11.780	33.757	11.777	25.685	232.0	0.047
30	11.505	33.760	11.501	25.739	227.2	0.070
40	10.791	33.727	10.786	25.842	217.5	0.092
50	9.392	33.734	9.386	26.085	194.5	0.113
60	9.302	33.949	9.295	26.268	177.4	0.131
70	9.389	34.019	9.382	26.309	173.8	0.149
80	9.364	34.025	9.355	26.318	173.1	0.166
90	9.351	34.023	9.341	26.323	172.9	0.184
100	9.283	34.036	9.272	26.340	171.4	0.201
110	9.195	34.040	9.183	26.358	169.9	0.218
120	9.209	34.062	9.196	26.373	168.7	0.235
130	9.170	34.076	9.156	26.390	167.3	0.252
140	9.073	34.095	9.058	26.421	164.5	0.268
150	9.014	34.107	8.998	26.440	162.9	0.285
175	8.891	34.126	8.872	26.474	160.1	0.325
200	8.765	34.150	8.743	26.513	156.9	0.365
225	8.636	34.164	8.612	26.545	154.4	0.403
250	8.467	34.177	8.441	26.581	151.3	0.442
300	8.177	34.198	8.146	26.642	146.3	0.516
400	7.080	34.238	7.042	26.834	129.1	0.654
416	6.682	34.246	6.644	26.894	123.3	0.674



STATION 56 PR 4



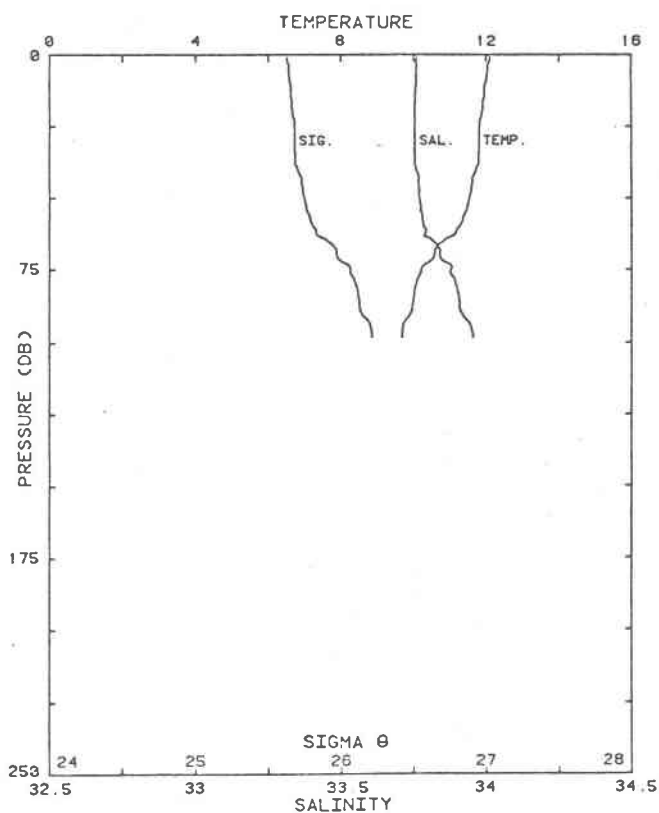
STATION 57 PR 3

STA NO 57 PR 3 LAT: 34 45.0 N LONG:120 54.0 W
 29 APR 1981 1515 GMT PROBE 2567 DEPTH 228M
 24.0 KM FROM SHORE

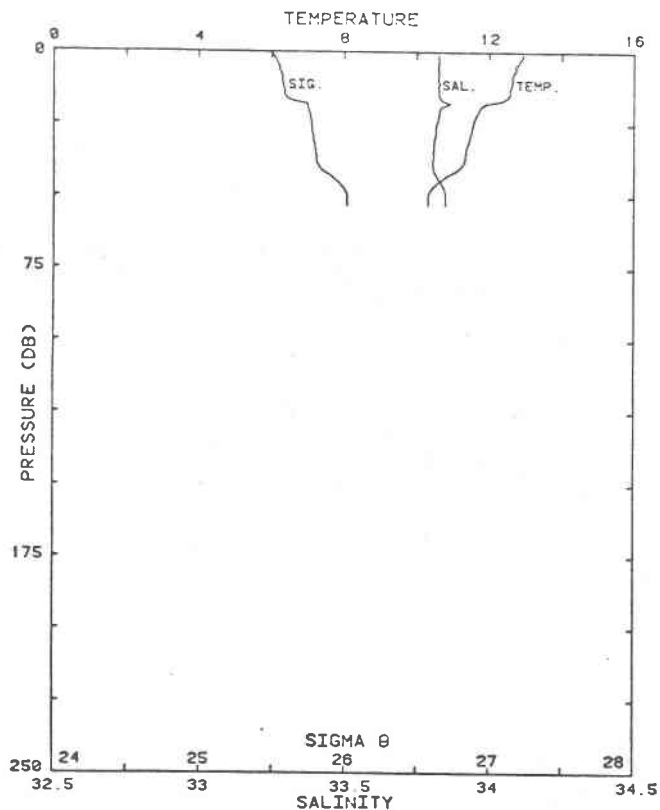
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.239	33.752	12.239	25.594	240.2	0.002
10	12.164	33.752	12.163	25.609	239.0	0.024
20	11.675	33.751	11.672	25.700	230.6	0.047
30	11.309	33.762	11.305	25.776	223.6	0.070
40	11.198	33.775	11.193	25.807	220.9	0.092
50	10.743	33.809	10.737	25.915	210.9	0.114
60	10.080	33.896	10.073	26.098	197.6	0.134
70	9.920	33.924	9.912	26.147	189.2	0.153
80	9.881	33.934	9.872	26.161	188.1	0.172
90	9.774	33.952	9.764	26.193	185.2	0.191
100	9.725	33.958	9.714	26.206	184.2	0.209
110	9.602	33.983	9.590	26.247	180.5	0.228
120	9.564	33.993	9.551	26.261	179.4	0.246
130	9.475	34.010	9.460	26.289	176.9	0.263
140	9.451	34.015	9.435	26.297	176.4	0.281
150	9.322	34.037	9.306	26.335	172.9	0.299
175	9.204	34.062	9.185	26.374	169.7	0.342
200	8.937	34.110	8.916	26.455	162.5	0.383
225	8.831	34.118	8.807	26.478	160.7	0.423
226	8.824	34.118	8.800	26.480	160.6	0.425

STA NO 58 PR 2 LAT: 34 45.0 N LONG:120 48.0 W
 29 APR 1981 1607 GMT PROBE 2567 DEPTH 100M
 15.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.098	33.760	12.098	25.627	237.0	0.002
10	11.993	33.758	11.992	25.646	235.5	0.024
20	11.885	33.752	11.883	25.662	234.2	0.047
30	11.796	33.754	11.792	25.680	232.8	0.070
40	11.713	33.759	11.708	25.700	231.1	0.094
50	11.513	33.770	11.512	25.745	227.1	0.117
60	11.231	33.786	11.223	25.810	221.1	0.139
70	10.562	33.839	10.554	25.971	206.0	0.160
80	10.052	33.895	10.043	26.102	193.7	0.180
90	9.894	33.918	9.834	26.146	189.7	0.199
98	9.664	33.954	9.653	26.213	183.4	0.214



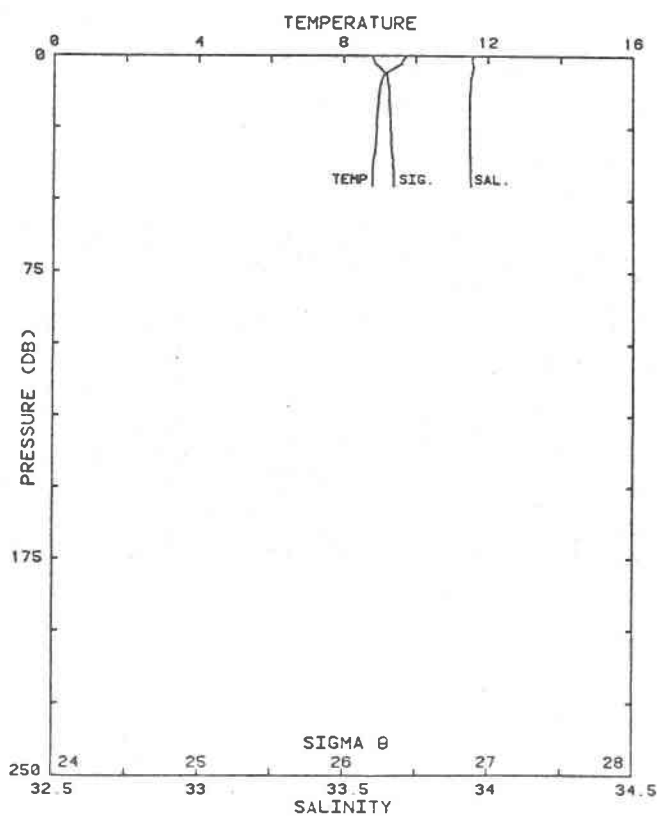
STATION 58 PR 2



STATION 59 PR 1

STA NO 59 PR 1 LAT: 34 45.0 N LONG:120 42.0 W
 29 APR 1981 1653 GMT PROBE 2567 DEPTH 56M
 6.7 KM FROM SHORE

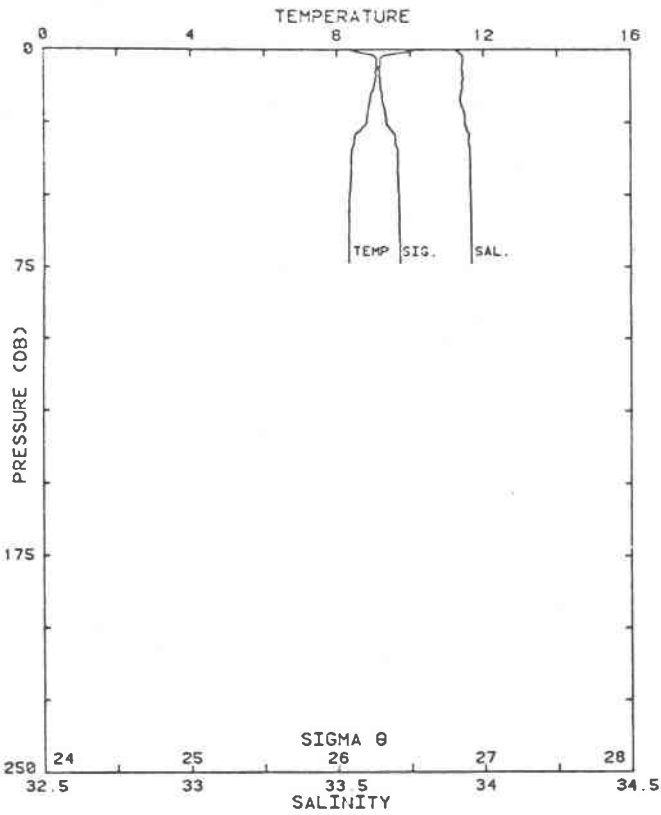
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	12.938	33.825	12.938	25.514	247.8	0.002
10	12.649	33.824	12.647	25.571	242.6	0.024
20	11.722	33.828	11.720	25.751	225.7	0.048
30	11.457	33.811	11.453	25.787	222.5	0.071
40	11.197	33.805	11.192	25.831	218.6	0.093
50	10.313	33.849	10.307	26.021	200.8	0.113
53	10.312	33.849	10.306	26.022	200.7	0.119



STATION 60 COC 1

STA NO 60 COC 1 LAT: 38 39.8 N LONG:123 25.5 W
 30 APR 1981 1810 GMT PROBE 2567 DEPTH 47M
 1.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	9.728	33.953	9.728	26.200	182.6	0.000
10	9.007	33.938	9.006	26.306	172.7	0.018
20	8.913	33.936	8.911	26.320	171.6	0.035
30	8.873	33.935	8.870	26.325	171.3	0.052
40	8.779	33.938	8.775	26.343	169.8	0.069
45	8.782	33.940	8.777	26.344	169.9	0.078



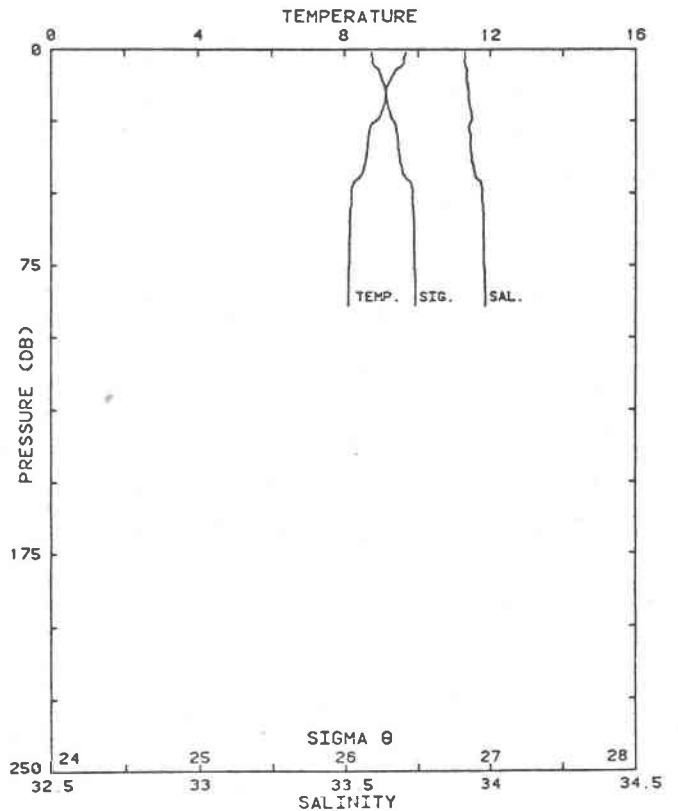
STATION 61 COC 2

STA NO 61 COC 2 LAT: 38 38.2 N LONG:123 26.9 W
 30 APR 1981 1836 GHT PROBE 2567 DEPTH 76M
 4.1 KM FROM SHORE

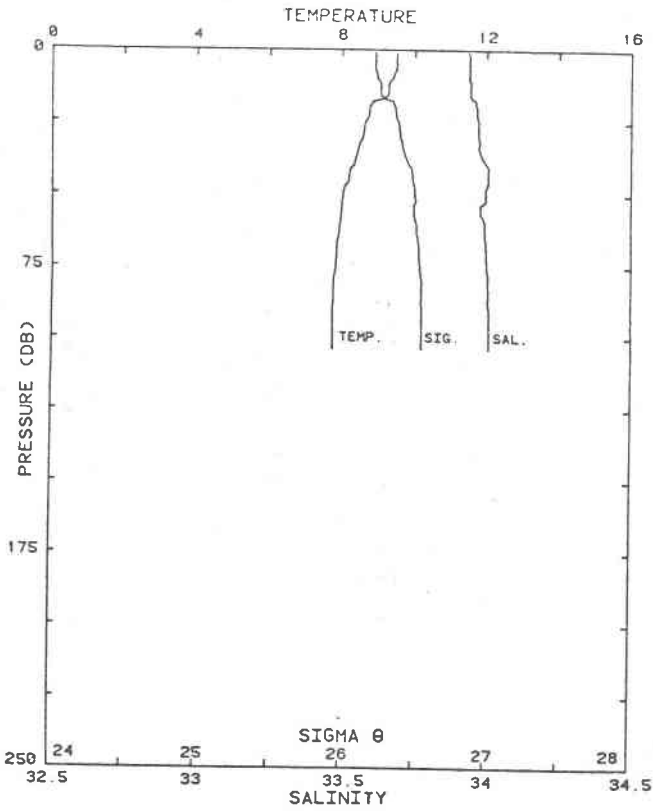
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	10.185	33.904	10.185	26.085	193.5	0.000
10	9.041	33.931	9.040	26.296	173.7	0.018
20	8.854	33.928	8.852	26.323	171.3	0.035
30	8.476	33.950	8.473	26.399	164.3	0.052
40	8.387	33.955	8.383	26.417	162.8	0.068
50	8.348	33.957	8.343	26.424	162.3	0.085
60	8.339	33.958	8.333	26.426	162.3	0.101
70	8.322	33.958	8.315	26.430	162.1	0.117
74	8.320	33.960	8.312	26.431	162.0	0.123

STA NO 62 COC 3 LAT: 38 37.5 N LONG:123 28.7 W
 30 APR 1981 1907 GHT PROBE 2567 DEPTH 91M
 7.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.659	33.913	9.659	26.181	184.4	0.002
10	9.263	33.918	9.262	26.249	178.1	0.018
20	9.042	33.929	9.040	26.294	174.1	0.036
30	8.641	33.931	8.633	26.358	168.1	0.053
40	8.540	33.939	8.536	26.380	166.2	0.070
50	8.182	33.970	8.177	26.450	158.9	0.086
60	8.140	33.976	8.134	26.470	158.0	0.102
70	8.128	33.977	8.121	26.473	158.0	0.118
80	8.100	33.981	8.092	26.481	157.4	0.133
89	8.074	33.982	8.085	26.483	157.4	0.147



STATION 62 COC 3

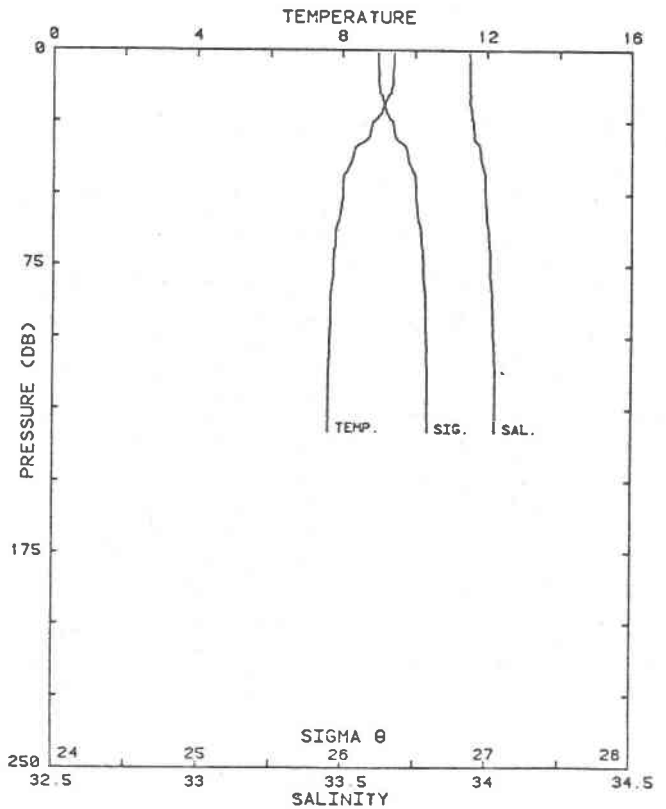


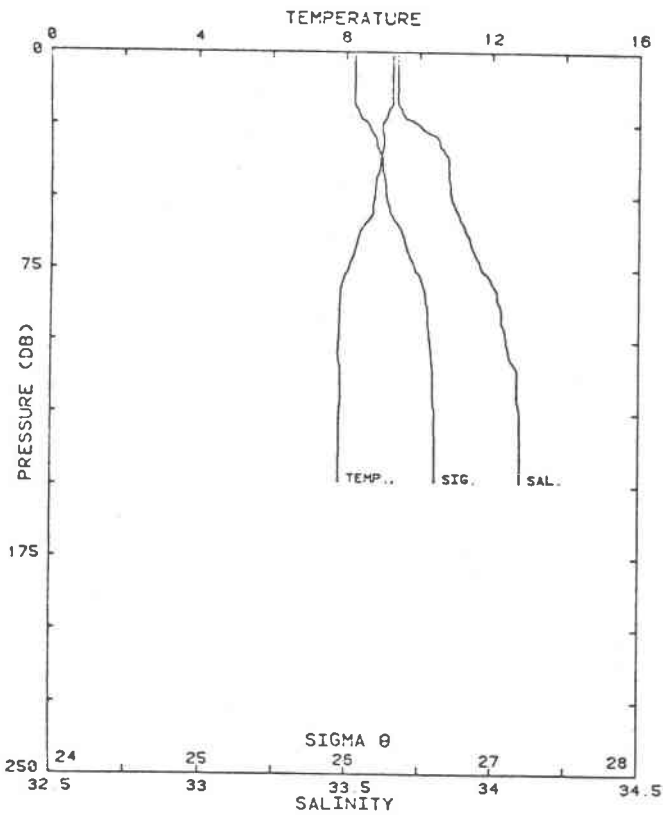
STA NO 63 COC 4 LAT: 38 36.3 N LONG:123 30.7 W
 30 APR 1981 1741 GMT PROBE 2567 DEPTH 107M
 10.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.497	33.936	9.497	26.225	180.2	0.002
10	9.403	33.938	9.402	26.242	178.8	0.018
20	8.757	33.967	8.755	26.368	167.0	0.035
30	8.578	33.971	8.575	26.399	164.2	0.052
40	8.328	34.002	8.324	26.462	158.5	0.068
50	8.029	33.997	8.024	26.503	154.7	0.084
60	7.953	33.995	7.948	26.513	154.0	0.099
70	7.847	33.999	7.842	26.532	152.3	0.115
80	7.767	34.006	7.759	26.550	150.8	0.130
90	7.759	34.010	7.750	26.554	150.6	0.145
100	7.760	34.011	7.750	26.554	150.7	0.160
104	7.760	34.011	7.750	26.555	150.8	0.166

STA NO 64 COC 5 LAT: 38 34.5 N LONG:123 33.4 W
 30 APR 1981 2019 GMT PROBE 2567 DEPTH 135M
 16.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.412	33.938	9.412	26.241	178.7	0.002
10	9.390	33.940	9.389	26.246	178.4	0.018
20	9.113	33.944	9.111	26.294	174.1	0.036
30	8.741	33.955	8.738	26.361	167.9	0.053
40	8.204	33.984	8.200	26.467	158.0	0.069
50	8.012	33.993	8.008	26.503	154.8	0.084
60	7.887	34.000	7.881	26.527	152.7	0.100
70	7.764	34.010	7.757	26.553	150.3	0.115
80	7.722	34.013	7.715	26.562	149.7	0.130
90	7.667	34.020	7.659	26.575	148.6	0.145
100	7.654	34.022	7.644	26.579	148.4	0.160
110	7.629	34.027	7.618	26.587	147.8	0.174
120	7.620	34.029	7.608	26.589	147.7	0.189
130	7.619	34.030	7.606	26.591	147.8	0.204
133	7.619	34.030	7.606	26.591	147.9	0.208





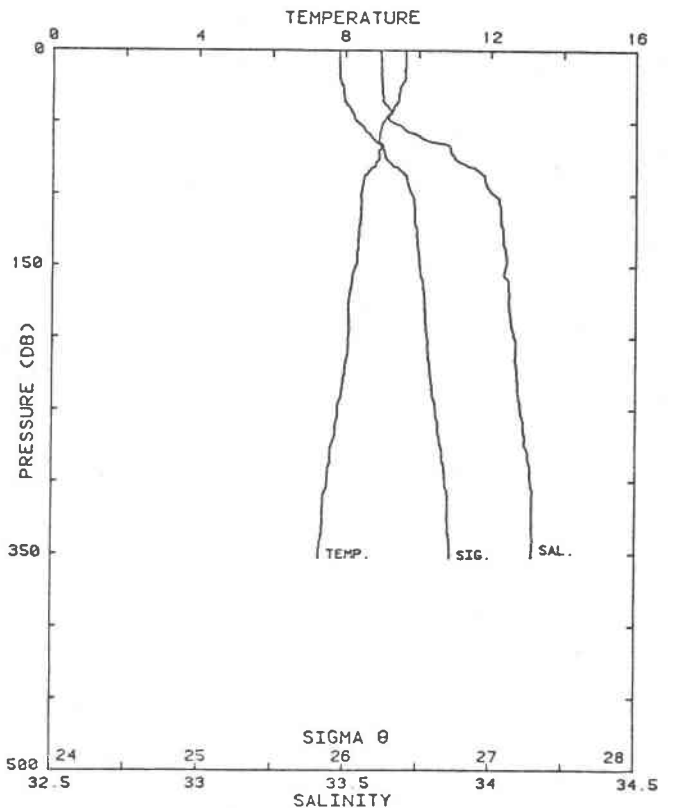
STATION 65 COC 6

STA NO 65 COC 6 LAT: 38 32.7 N LONG:123 36.2 W
 30 APR 1981 2056 GMT PROBE 2567 DEPTH 148M
 21.1 KM FROM SHORE

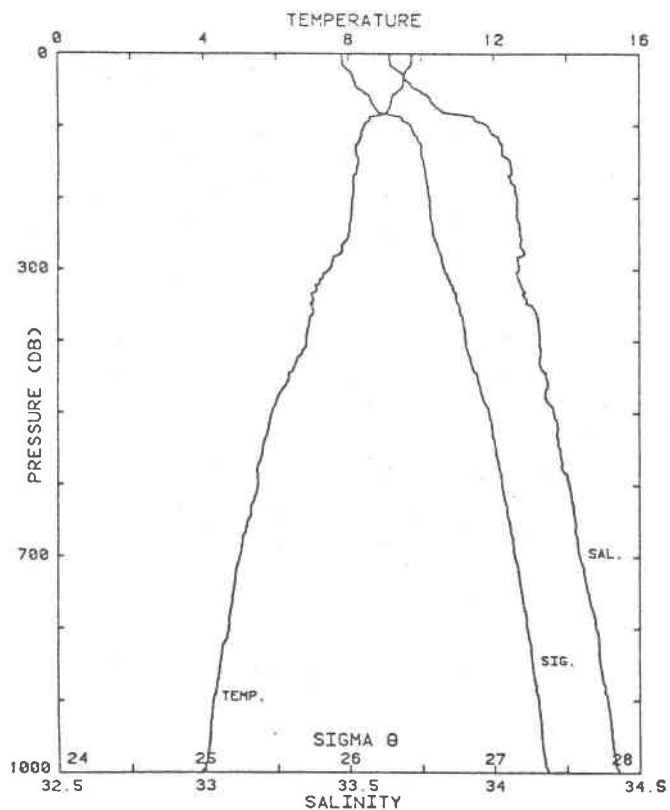
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.276	33.676	9.276	26.058	176.1	0.002
10	9.257	33.677	9.258	26.062	195.9	0.020
20	9.163	33.692	9.161	26.089	193.5	0.039
30	9.029	33.814	9.026	26.206	182.6	0.058
40	8.921	33.850	8.917	26.251	178.5	0.076
50	8.797	33.861	8.791	26.280	176.0	0.094
60	8.507	33.903	8.501	26.358	168.8	0.111
70	8.218	33.941	8.211	26.432	161.9	0.128
80	7.915	34.000	7.907	26.523	153.4	0.143
90	7.843	34.032	7.834	26.559	150.2	0.158
100	7.815	34.049	7.809	26.576	148.7	0.173
110	7.874	34.087	7.863	26.598	146.8	0.188
120	7.870	34.088	7.859	26.599	146.9	0.203
130	7.832	34.097	7.817	26.612	145.8	0.218
140	7.827	34.099	7.813	26.614	145.8	0.232
149	7.825	34.099	7.810	26.615	145.7	0.245

STA NO 66 COC 7 LAT: 38 30.3 N LONG:123 39.6 W
 30 APR 1981 2141 GMT PROBE 2567 DEPTH 356M
 29.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.634	33.618	9.634	25.955	205.9	0.002
10	9.633	33.621	9.632	25.957	205.8	0.021
20	9.625	33.621	9.623	25.959	205.9	0.041
30	9.479	33.624	9.475	25.986	203.6	0.062
40	9.312	33.646	9.308	26.030	199.6	0.082
50	9.010	33.660	9.005	26.089	194.1	0.102
60	8.929	33.754	8.922	26.176	186.1	0.121
70	8.898	33.859	8.890	26.263	178.0	0.139
80	8.814	33.914	8.806	26.319	172.9	0.156
90	8.489	33.980	8.480	26.421	163.3	0.173
100	8.428	34.012	8.418	26.456	160.2	0.189
110	8.428	34.035	8.416	26.474	158.7	0.205
120	8.408	34.036	8.396	26.478	158.5	0.221
130	8.365	34.045	8.352	26.492	157.4	0.237
140	8.332	34.052	8.318	26.502	156.6	0.253
150	8.287	34.052	8.272	26.509	156.1	0.268
175	8.106	34.064	8.088	26.546	153.0	0.307
200	8.087	34.083	8.068	26.564	151.8	0.345
225	7.997	34.092	7.974	26.586	150.1	0.383
250	7.808	34.105	7.783	26.623	146.9	0.420
300	7.533	34.141	7.504	26.692	141.1	0.492
353	7.320	34.148	7.286	26.729	138.4	0.566



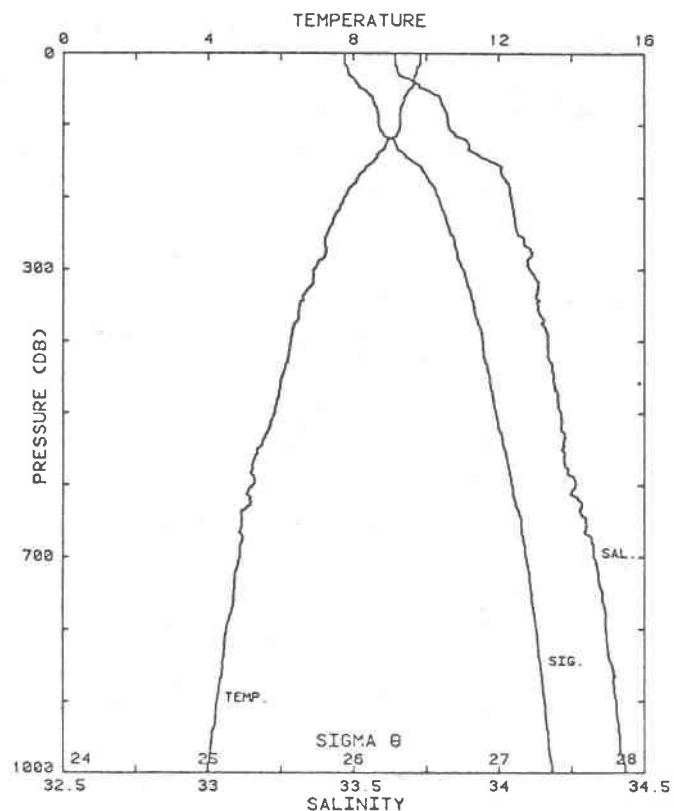
STATION 66 COC 7



STATION 67 COC 8

STA NO 67 COC 8 LAT: 38 27.1 N LONG:123 44.5 W
 30 APR 1981 2243 GMT PROBE 2567 DEPTH 1139M
 37.4 KM FROM SHORE LIN INT SAL. AT 304-329M

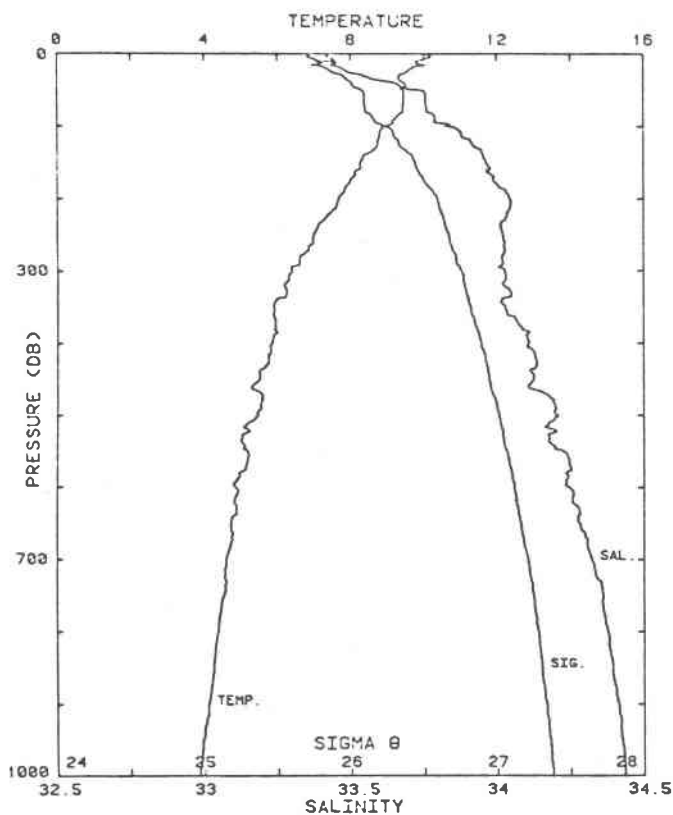
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	9.750	33.642	9.750	25.954	206.0	0.002
10	9.734	33.644	9.733	25.959	205.7	0.021
20	9.640	33.657	9.638	25.984	203.5	0.041
30	9.523	33.690	9.520	26.029	199.4	0.061
40	9.512	33.709	9.508	26.046	198.1	0.081
50	9.413	33.735	9.408	26.083	194.8	0.101
60	9.207	33.775	9.201	26.148	188.8	0.170
70	9.163	33.792	9.155	26.168	187.1	0.139
80	9.084	33.821	9.076	26.203	183.7	0.157
90	8.594	33.933	8.584	26.369	168.3	0.175
100	8.440	33.977	8.430	26.427	163.0	0.192
110	8.369	33.991	8.357	26.448	161.1	0.208
120	8.316	34.018	8.304	26.478	158.5	0.224
130	8.217	34.028	8.204	26.501	156.4	0.239
140	8.219	34.030	8.205	26.502	156.6	0.255
150	8.273	34.058	8.258	26.516	155.4	0.271
175	8.137	34.059	8.120	26.538	153.8	0.309
200	8.117	34.081	8.097	26.558	152.3	0.348
225	8.079	34.080	8.057	26.564	152.2	0.386
250	8.013	34.091	7.988	26.583	150.9	0.424
300	7.481	34.088	7.452	26.658	144.3	0.497
400	6.838	34.159	6.801	26.804	131.6	0.633
500	5.891	34.207	5.848	26.967	116.8	0.758
600	5.494	34.260	5.444	27.058	109.0	0.871
800	4.667	34.350	4.606	27.226	94.2	1.073
1000	3.916	34.428	3.841	27.369	81.1	1.248
1001	3.914	34.428	3.839	27.370	81.1	1.249



STATION 68 COC 9

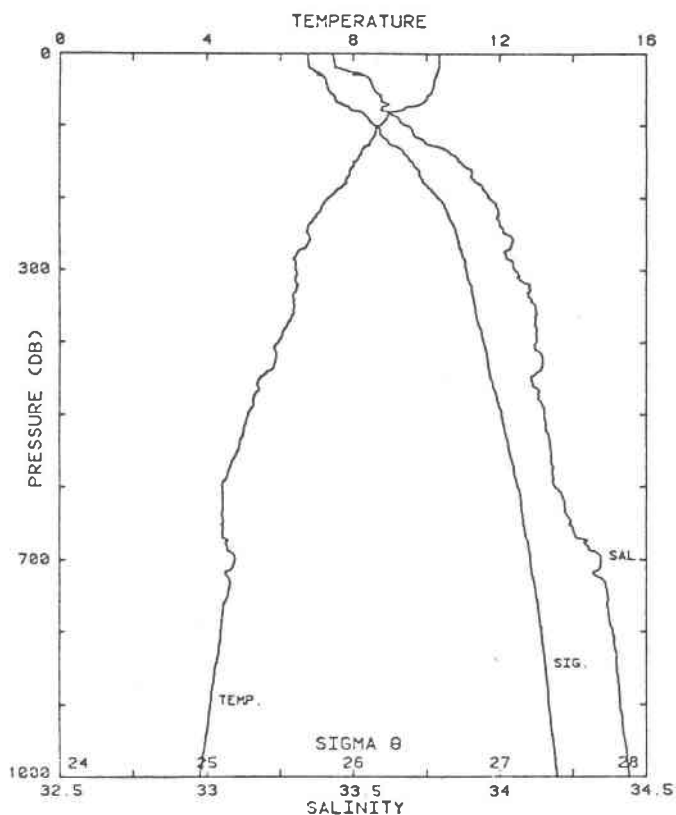
STA NO 68 COC 9 LAT: 38 24.2 N LONG:123 49.2 W
 1 MAY 1981 0007 GMT PROBE 2567 DEPTH 1680M
 46.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	9.843	33.643	9.843	25.939	207.4	0.002
10	9.843	33.643	9.842	25.940	207.5	0.021
20	9.754	33.650	9.751	25.960	205.8	0.041
30	9.709	33.660	9.706	25.975	204.6	0.062
40	9.683	33.707	9.678	26.017	200.8	0.082
50	9.548	33.744	9.543	26.068	196.2	0.102
60	9.415	33.796	9.409	26.131	190.4	0.121
70	9.368	33.803	9.360	26.144	189.4	0.140
80	9.296	33.815	9.288	26.165	187.6	0.159
90	9.286	33.824	9.276	26.173	187.0	0.178
100	9.287	33.826	9.276	26.175	187.0	0.197
110	9.205	33.846	9.193	26.204	184.4	0.215
120	8.940	33.885	8.927	26.277	177.7	0.234
130	8.861	33.897	8.847	26.299	175.7	0.251
140	8.658	33.926	8.644	26.354	170.7	0.269
150	8.548	33.972	8.533	26.407	165.9	0.285
175	8.087	34.024	8.069	26.518	155.6	0.325
200	7.732	34.043	7.712	26.585	149.6	0.363
225	7.487	34.053	7.465	26.629	145.8	0.400
250	7.272	34.065	7.248	26.669	142.3	0.436
300	6.901	34.106	6.874	26.753	135.0	0.506
400	6.272	34.169	6.236	26.887	123.3	0.634
500	5.815	34.214	5.772	26.982	115.3	0.754
600	5.246	34.264	5.197	27.091	105.6	0.864
800	4.496	34.367	4.434	27.259	90.8	1.059
1000	3.973	34.436	3.897	27.370	81.2	1.231



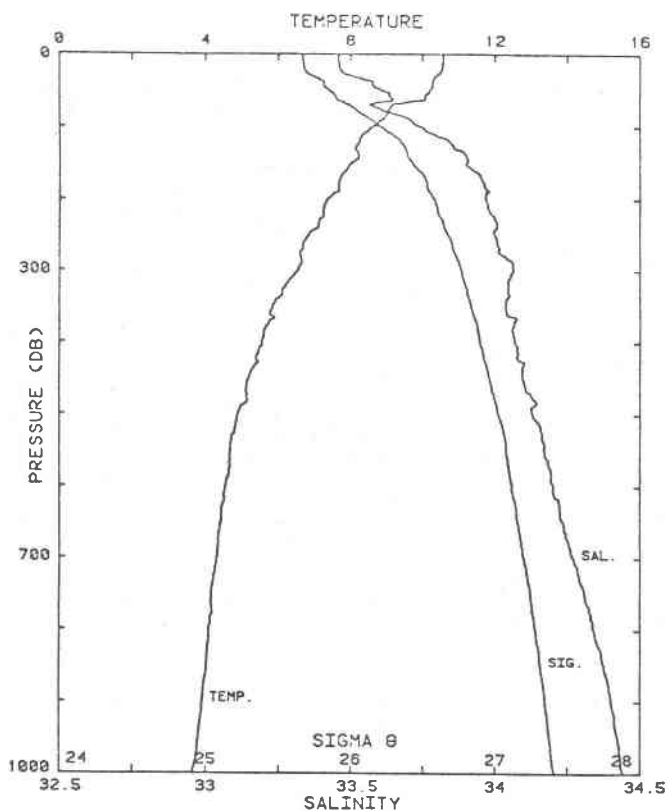
STA NO 69 COC10 LAT: 38 20.8 N LONG:123 54.5 W
 1 MAY 1981 0135 GMT PROBE 2567 DEPTH 2262M
 55.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.168	33.422	10.168	25.712	228.9	0.002
10	9.830	33.450	9.829	25.791	221.6	0.023
20	9.674	33.470	9.672	25.833	217.9	0.045
30	9.327	33.541	9.325	25.945	207.4	0.066
40	9.454	33.648	9.450	26.008	201.6	0.087
50	9.444	33.727	9.438	26.071	195.9	0.107
60	9.450	33.757	9.443	26.094	193.9	0.126
70	9.442	33.759	9.434	26.097	193.3	0.146
80	9.429	33.762	9.421	26.102	193.6	0.165
90	9.217	33.789	9.207	26.158	188.5	0.184
100	8.992	33.825	8.981	26.221	182.6	0.203
110	8.794	33.878	8.783	26.294	175.8	0.220
120	8.740	33.909	8.728	26.327	172.9	0.238
130	8.678	33.931	8.665	26.355	170.5	0.255
140	8.351	33.954	8.337	26.423	164.1	0.272
150	8.262	33.964	8.247	26.444	152.2	0.288
175	8.000	33.989	7.982	26.504	157.0	0.328
200	7.676	34.044	7.657	26.594	148.7	0.366
225	7.334	34.032	7.313	26.634	145.2	0.403
250	6.992	34.021	6.969	26.673	141.7	0.439
300	6.403	34.028	6.377	26.758	134.1	0.508
400	5.877	34.112	5.845	26.892	122.4	0.637
500	5.504	34.209	5.463	27.015	111.7	0.754
600	4.864	34.245	4.816	27.119	102.3	0.861
800	4.364	34.377	4.303	27.281	88.5	1.051
1000	3.860	34.435	3.785	27.380	80.0	1.219
1001	3.860	34.435	3.785	27.381	79.9	1.220



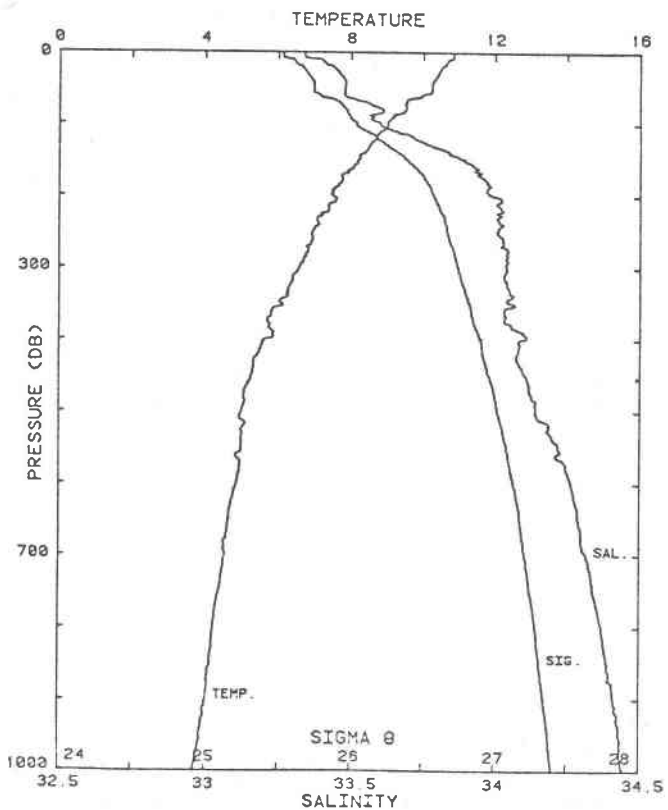
STA NO 70 COC11 LAT: 38 17.6 N LONG:123 59.3 W
 1 MAY 1981 0302 GMT PROBE 2567 DEPTH 3321M
 65.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.345	33.431	10.345	25.689	231.1	0.002
10	10.342	33.433	10.341	25.691	231.1	0.023
20	10.336	33.440	10.333	25.699	230.7	0.046
30	10.287	33.477	10.283	25.751	225.9	0.069
40	10.208	33.560	10.204	25.814	220.1	0.091
50	10.156	33.572	10.150	25.832	218.6	0.113
60	9.999	33.593	9.992	25.874	214.7	0.135
70	9.805	33.622	9.798	25.931	209.7	0.156
80	9.118	33.620	9.109	26.041	199.3	0.177
90	8.901	33.654	8.891	26.103	193.6	0.196
100	8.721	33.677	8.710	26.149	189.4	0.215
110	8.602	33.705	8.590	26.189	185.7	0.234
120	8.480	33.738	8.467	26.233	181.7	0.252
130	8.300	33.792	8.287	26.303	175.2	0.270
140	8.191	33.839	8.177	26.357	170.3	0.288
150	8.002	33.867	7.987	26.407	165.7	0.305
175	7.802	33.912	7.784	26.472	159.9	0.345
200	7.328	33.962	7.309	26.579	150.0	0.384
225	6.994	33.994	6.973	26.651	143.4	0.420
250	6.779	34.020	6.756	26.701	138.9	0.456
300	6.440	34.052	6.413	26.772	132.8	0.523
400	5.968	34.126	5.933	26.892	122.5	0.651
500	5.134	34.154	5.094	27.015	111.3	0.769
600	4.418	34.188	4.373	27.123	101.2	0.875
800	4.371	34.385	4.309	27.287	87.9	1.064
1000	3.797	34.442	3.723	27.392	78.7	1.231
1001	3.795	34.442	3.721	27.392	78.7	1.232



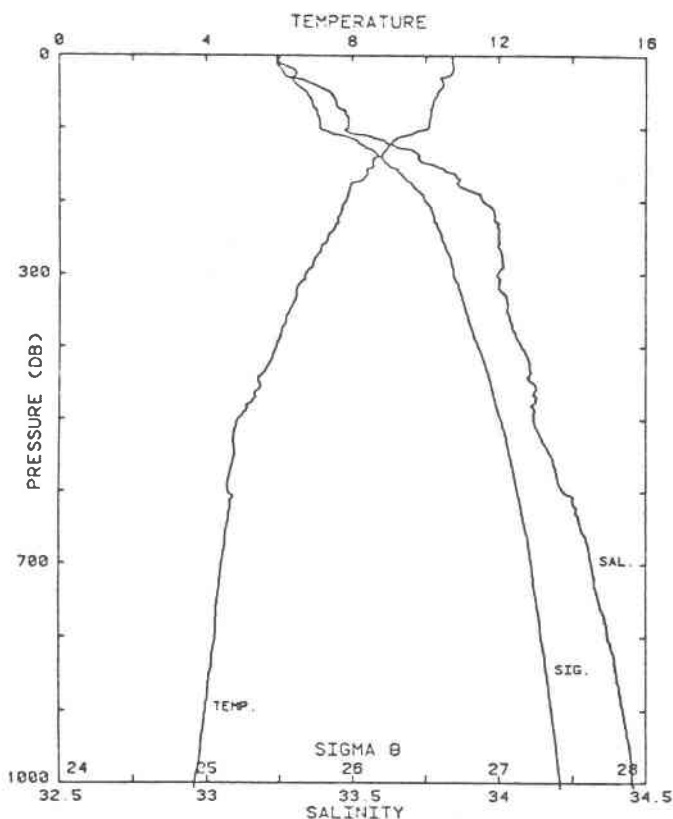
STA NO 71 COC12 LAT: 38 14.3 N LONG:124 04.3 W
 1 MAY 1981 0416 GMT PROBE 2567 DEPTH 3571M
 74.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.574	33.458	10.574	25.671	232.9	0.002
10	10.573	33.458	10.572	25.671	233.1	0.023
20	10.540	33.463	10.538	25.681	232.3	0.047
30	10.396	33.493	10.393	25.733	227.6	0.070
40	10.281	33.579	10.276	25.816	219.9	0.092
50	10.201	33.603	10.195	25.853	216.7	0.114
60	10.071	33.641	10.064	25.901	212.3	0.135
70	9.174	33.568	9.167	25.991	203.8	0.156
80	9.040	33.634	9.031	26.065	197.0	0.176
90	8.898	33.706	8.889	26.143	189.8	0.196
100	8.624	33.740	8.614	26.213	183.3	0.214
110	8.344	33.788	8.333	26.293	175.8	0.232
120	8.253	33.839	8.241	26.348	170.8	0.249
130	8.125	33.861	8.112	26.384	167.5	0.266
140	8.231	33.901	8.217	26.399	166.3	0.283
150	8.014	33.903	7.999	26.434	163.1	0.300
175	7.678	33.958	7.662	26.526	154.7	0.339
200	7.349	33.969	7.330	26.582	149.7	0.377
225	7.243	33.999	7.222	26.621	146.4	0.414
250	6.845	33.999	6.822	26.676	141.4	0.450
300	6.544	34.064	6.517	26.768	133.2	0.519
400	5.544	34.068	5.511	26.897	121.5	0.646
500	4.858	34.131	4.858	27.025	110.1	0.762
600	4.554	34.202	4.508	27.120	101.8	0.867
800	4.095	34.340	4.035	27.279	88.0	1.056
1000	3.633	34.440	3.560	27.407	76.9	1.221
1001	3.634	34.441	3.561	27.408	76.8	1.222



STA NO 72 COC13 LAT: 38 7.8 N LONG:124 14.3 W
 1 MAY 1981 0643 GMT PROBE 2567 DEPTH 3736M
 93.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	10.835	33.341	10.835	25.534	245.9	0.000
10	10.742	33.380	10.741	25.531	241.7	0.025
20	10.528	33.437	10.525	25.663	234.1	0.048
30	10.416	33.459	10.412	25.700	230.8	0.072
40	10.293	33.479	10.288	25.736	227.5	0.095
50	10.241	33.480	10.236	25.746	226.3	0.117
60	9.981	33.476	9.974	25.788	223.1	0.140
70	9.560	33.557	9.552	25.921	210.6	0.161
80	9.542	33.615	9.534	25.969	206.2	0.182
90	9.221	33.582	9.211	25.995	203.9	0.203
100	9.030	33.605	9.020	26.044	199.4	0.223
110	8.876	33.648	8.864	26.102	194.0	0.243
120	8.722	33.720	8.710	26.182	186.6	0.262
130	8.528	33.775	8.514	26.253	179.8	0.280
140	8.402	33.840	8.388	26.326	173.3	0.298
150	8.213	33.895	8.198	26.398	166.6	0.315
175	7.787	33.960	7.770	26.512	156.1	0.355
200	7.508	33.989	7.489	26.575	150.4	0.393
225	7.231	34.011	7.210	26.632	145.3	0.430
250	6.953	34.008	6.930	26.689	142.1	0.466
300	6.578	34.040	6.551	26.744	135.5	0.535
400	5.634	34.084	5.601	26.900	121.4	0.664
500	5.016	34.141	4.976	27.019	110.8	0.780
600	4.878	34.264	4.830	27.133	101.0	0.886
800	4.241	34.370	4.161	27.288	87.5	1.074
1000	3.698	34.443	3.625	27.403	77.4	1.239
1001	3.697	34.443	3.624	27.403	77.4	1.239



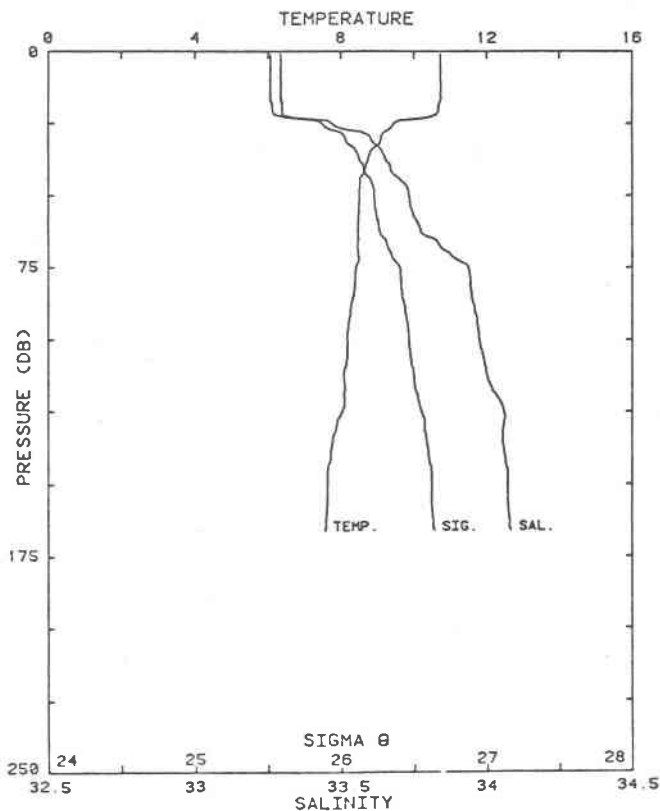
STATION 73 COC14

STA NO 73 COC14 LAT: 38 1.2 N LONG:124 24.0 W
 1 MAY 1981 0829 GMT PROBE 2567 DEPTH 3346M
 112.5 KM FROM SHORE

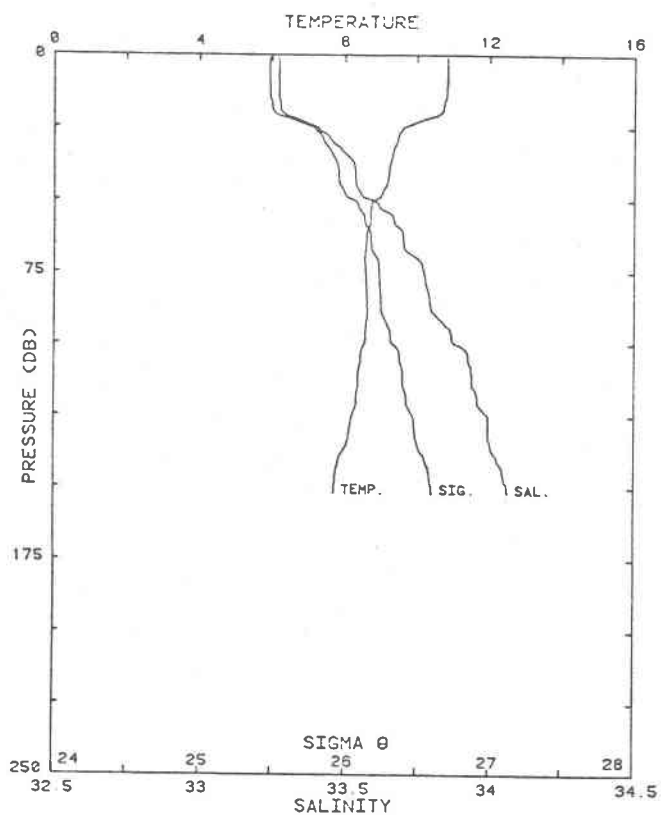
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DEL D
1	10.730	33.251	10.730	25.482	250.8	0.003
10	10.729	33.251	10.728	25.483	250.7	0.025
20	10.743	33.304	10.740	25.522	247.5	0.050
30	10.517	33.297	10.513	25.556	244.4	0.075
40	10.474	33.369	10.469	25.620	238.6	0.099
50	10.332	33.422	10.326	25.686	232.6	0.122
60	10.227	33.442	10.220	25.720	229.6	0.146
70	10.174	33.447	10.166	25.733	228.5	0.168
80	10.139	33.477	10.130	25.762	226.0	0.191
90	10.090	33.487	10.080	25.778	224.7	0.214
100	10.045	33.484	10.034	25.783	224.4	0.236
110	9.438	33.553	9.426	25.938	209.8	0.258
120	9.071	33.615	9.058	26.046	199.6	0.278
130	8.915	33.706	8.901	26.142	190.7	0.298
140	8.571	33.721	8.557	26.206	184.7	0.317
150	8.576	33.774	8.561	26.247	181.0	0.335
175	7.977	33.858	7.960	26.404	166.4	0.378
200	7.817	33.946	7.797	26.497	158.0	0.419
225	7.610	33.985	7.588	26.558	152.5	0.457
250	7.325	34.000	7.301	26.611	147.8	0.495
300	6.704	33.995	6.677	26.692	140.5	0.567
400	5.927	34.077	5.893	26.858	125.7	0.700
500	4.896	34.118	4.857	27.014	111.1	0.818
600	4.620	34.221	4.573	27.128	101.1	0.924
800	4.249	34.370	4.188	27.287	87.6	1.111
1000	3.637	34.451	3.564	27.416	76.1	1.273
1007	3.650	34.458	3.577	27.420	75.8	1.279

STA NO 74 HUN 1 LAT: 39 7.0 N LONG:123 56.8 W
 1 MAY 1981 1657 GMT PROBE 2567 DEPTH 168M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DEL D
1	10.735	33.293	10.735	25.514	247.8	0.002
10	10.735	33.294	10.733	25.515	247.7	0.025
20	10.674	33.298	10.671	25.530	246.7	0.050
30	9.092	33.601	9.089	26.030	199.4	0.072
40	8.655	33.668	8.651	26.151	188.0	0.091
50	8.496	33.732	8.491	26.226	181.1	0.109
60	8.465	33.766	8.459	26.257	178.3	0.127
70	8.462	33.873	8.455	26.341	170.5	0.145
80	8.375	33.943	8.367	26.410	164.2	0.161
90	8.243	33.960	8.254	26.440	161.5	0.178
100	8.169	33.975	8.159	26.466	159.2	0.194
110	8.102	33.999	8.091	26.495	156.6	0.210
120	8.092	34.039	8.080	26.528	153.6	0.225
130	7.878	34.057	7.865	26.574	149.4	0.240
140	7.716	34.062	7.702	26.601	147.0	0.255
150	7.629	34.072	7.614	26.622	145.2	0.270
166	7.567	34.083	7.551	26.640	143.7	0.293



STATION 74 HUN 1

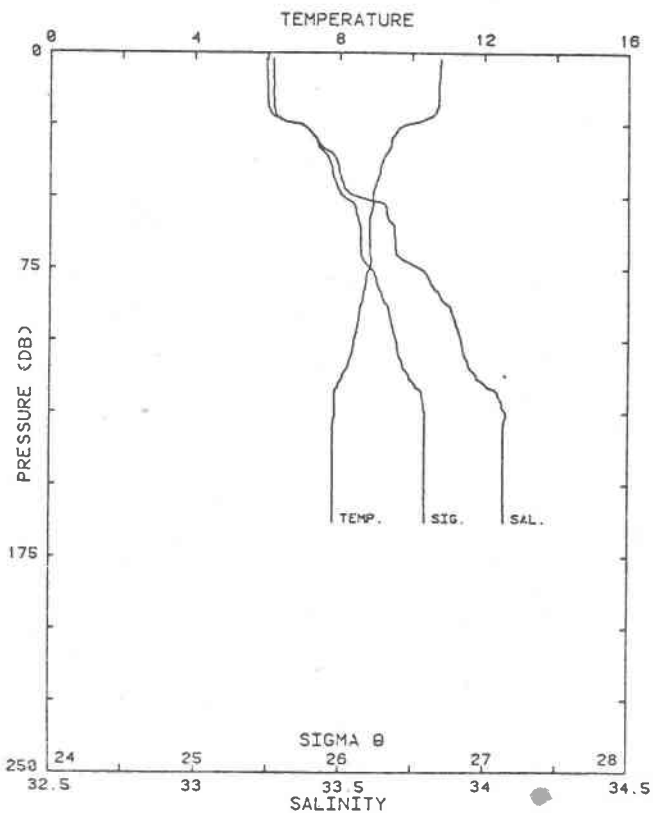


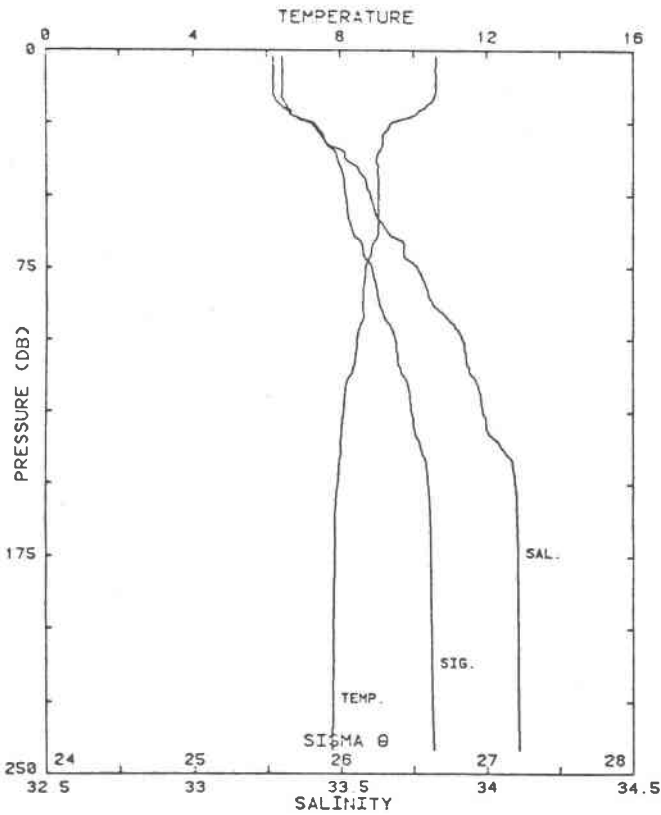
STA NO 75 HUN 2 LAT: 39 2.0 N LONG: 123 56.4 W
1 MAY 1981 1753 GMT PROBE 2567 DEPTH 155M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.836	33.271	10.835	25.480	251.1	0.003
10	10.825	33.273	10.824	25.483	251.0	0.025
20	10.676	33.287	10.673	25.520	247.6	0.050
30	9.455	33.459	9.452	25.860	215.4	0.073
40	9.230	33.539	9.225	25.959	206.3	0.094
50	8.841	33.600	8.836	26.069	196.0	0.114
60	8.666	33.694	8.659	26.170	186.6	0.133
70	8.576	33.750	8.569	26.227	181.4	0.152
80	8.623	33.785	8.615	26.248	179.6	0.170
90	8.654	33.815	8.645	26.267	178.0	0.188
100	8.571	33.877	8.561	26.328	172.4	0.205
110	8.395	33.939	8.383	26.404	165.3	0.222
120	8.329	33.960	8.317	26.431	163.0	0.238
130	8.148	33.998	8.135	26.487	157.7	0.254
140	7.842	34.027	7.828	26.556	151.4	0.270
150	7.720	34.064	7.705	26.603	147.0	0.285
152	7.708	34.067	7.694	26.607	146.7	0.288

STA NO 76 HUN 3 LAT: 38 57.8 N LONG: 123 56.0 W
1 MAY 1981 1840 GMT PROBE 2567 DEPTH 166M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.778	33.268	10.778	25.487	250.4	0.005
10	10.742	33.270	10.741	25.495	249.8	0.025
20	10.657	33.274	10.655	25.513	248.3	0.050
30	9.423	33.422	9.419	25.837	217.7	0.073
40	9.111	33.497	9.107	25.946	207.5	0.094
50	8.918	33.567	8.912	26.031	199.6	0.115
60	8.814	33.686	8.808	26.141	189.4	0.134
70	8.829	33.695	8.822	26.146	189.1	0.153
80	8.713	33.814	8.705	26.257	178.7	0.171
90	8.537	33.889	8.528	26.342	170.0	0.189
100	8.387	33.922	8.377	26.392	166.3	0.206
110	8.179	33.957	8.168	26.450	160.9	0.222
120	7.868	34.056	7.856	26.575	149.2	0.238
130	7.821	34.068	7.808	26.591	147.8	0.252
140	7.826	34.070	7.812	26.592	147.9	0.267
150	7.824	34.069	7.810	26.592	148.1	0.282
163	7.828	34.071	7.812	26.593	148.2	0.301





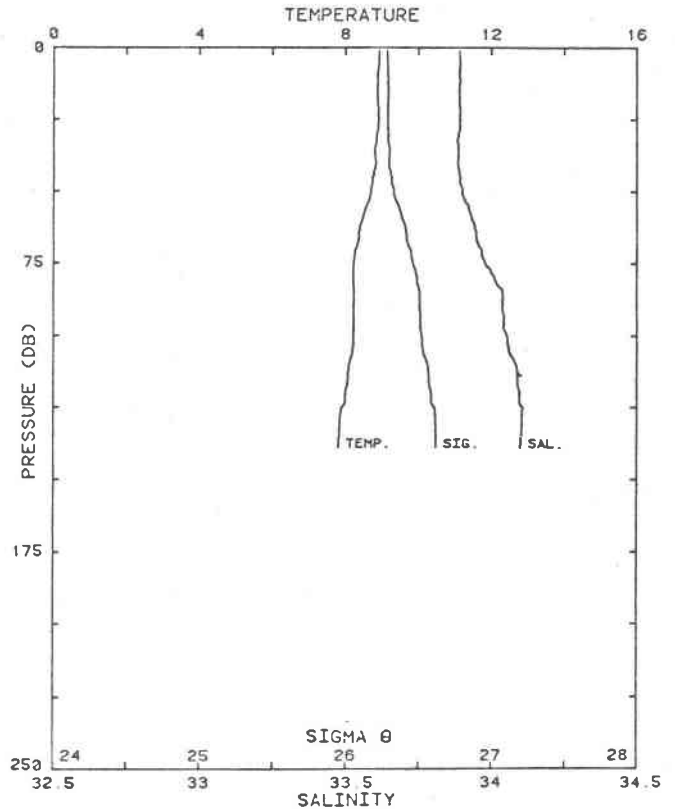
STATION 77 HUN 4

STA NO 77 HUN 4 LAT: 38 53.7 N LONG: 123 55.5 W
 1 MAY 1981 1933 GMT PROBE 2567 DEPTH 246M

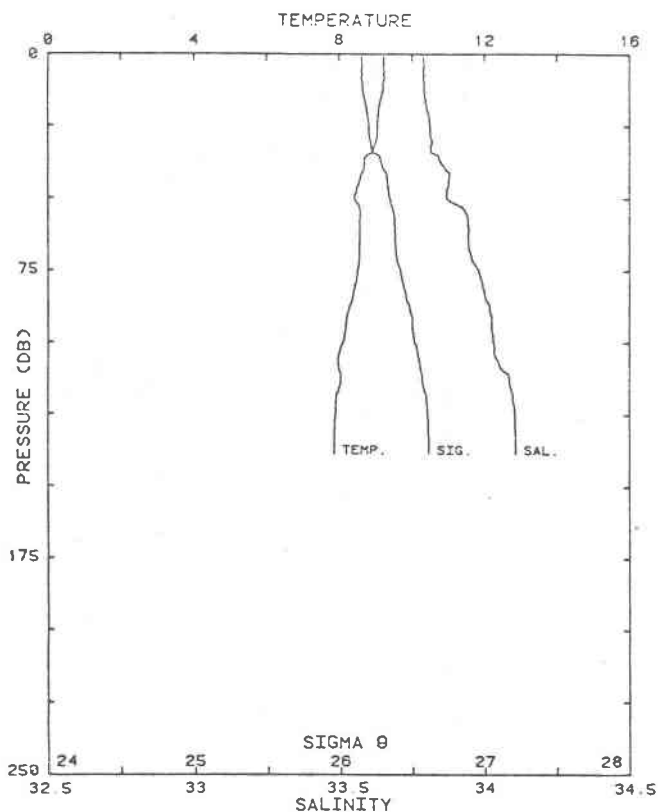
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.618	33.302	10.613	25.542	245.2	0.005
10	10.618	33.304	10.617	25.544	245.2	0.025
20	10.295	33.320	10.293	25.612	238.9	0.049
30	9.164	33.439	9.161	25.892	212.4	0.071
40	9.052	33.557	9.048	26.001	202.2	0.092
50	9.053	33.605	9.048	26.039	198.9	0.112
60	9.045	33.647	9.039	26.074	195.8	0.132
70	8.845	33.717	8.838	26.160	187.8	0.151
80	8.666	33.788	8.657	26.244	180.0	0.169
90	8.639	33.838	8.630	26.287	176.0	0.187
100	8.464	33.916	8.454	26.375	167.9	0.204
110	8.351	33.942	8.340	26.413	164.5	0.221
120	8.119	33.981	8.107	26.478	158.4	0.237
130	8.048	34.000	8.035	26.504	156.1	0.253
140	8.013	34.070	7.997	26.564	150.6	0.268
150	7.933	34.099	7.918	26.599	147.4	0.283
175	7.840	34.107	7.823	26.620	145.9	0.319
200	7.812	34.110	7.793	26.626	145.8	0.356
225	7.789	34.110	7.767	26.630	145.8	0.392
242	7.747	34.113	7.724	26.639	145.3	0.417

STA NO 78 HUN 5 LAT: 38 49.2 N LONG: 123 51.9 W
 1 MAY 1981 2043 GMT PROBE 2567 DEPTH 142M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.917	33.890	8.917	26.283	174.7	0.002
10	8.867	33.888	8.866	26.289	174.3	0.017
20	8.892	33.890	8.890	26.287	174.7	0.035
30	8.848	33.886	8.844	26.291	174.6	0.052
40	8.819	33.884	8.815	26.294	174.4	0.070
50	8.681	33.899	8.675	26.323	171.5	0.087
60	8.452	33.934	8.446	26.391	165.6	0.104
70	8.270	33.966	8.263	26.443	160.8	0.120
80	8.205	34.011	8.197	26.489	156.7	0.136
90	8.225	34.039	8.216	26.500	155.0	0.152
100	8.209	34.054	8.199	26.522	153.9	0.167
110	8.097	34.086	8.086	26.564	150.1	0.182
120	7.991	34.097	7.979	26.588	147.9	0.197
130	7.839	34.105	7.827	26.617	145.4	0.212
139	7.798	34.100	7.784	26.620	145.3	0.225



STATION 78 HUN 5



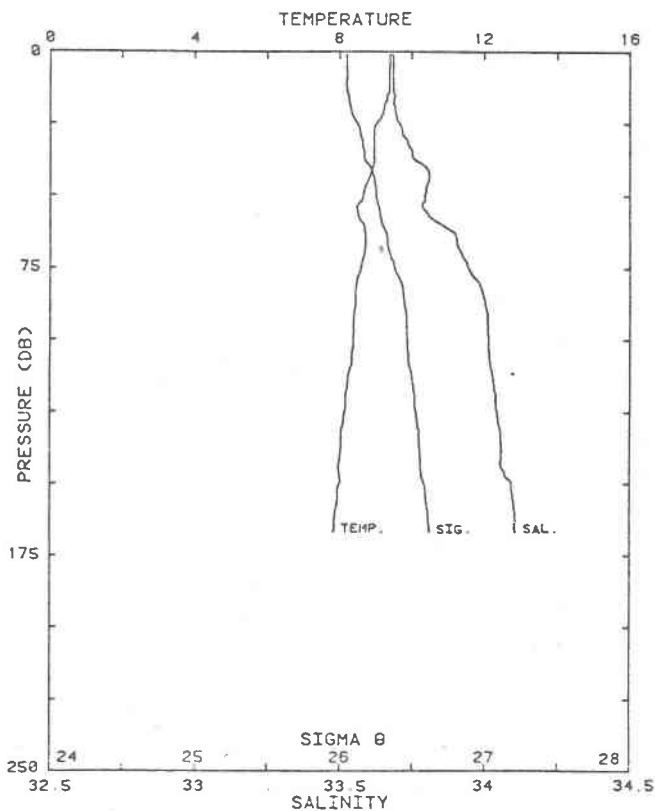
STATION 79 HUN 6

STA NO 79 HUN 6 LAT: 38 44.7 N LONG: 123 47.8 W
 1 MAY 1981 2142 GMT PROBE 2567 DEPTH 142M

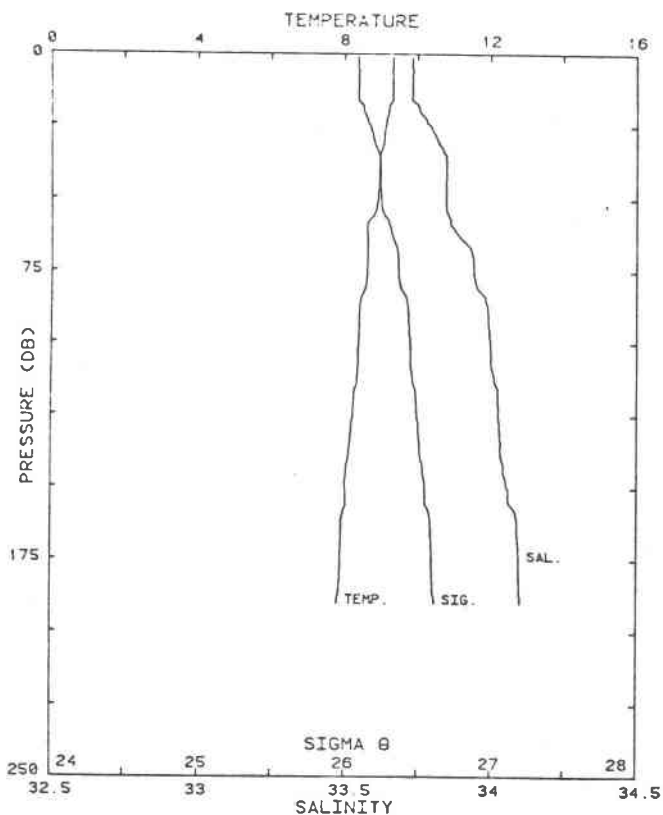
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.223	33.786	9.223	26.152	187.1	0.002
10	9.198	33.793	9.197	26.162	186.4	0.019
20	9.077	33.803	9.077	26.189	184.0	0.037
30	9.001	33.819	8.997	26.214	181.8	0.056
40	8.669	33.867	8.665	26.304	173.5	0.073
50	8.419	33.872	8.414	26.347	169.6	0.090
60	8.566	33.945	8.560	26.382	166.5	0.107
70	8.546	33.955	8.539	26.392	165.7	0.124
80	8.436	33.994	8.428	26.440	161.3	0.140
90	8.238	34.022	8.229	26.492	156.6	0.156
100	8.109	34.032	8.099	26.520	154.1	0.172
110	8.004	34.066	7.993	26.562	150.2	0.187
120	7.916	34.099	7.904	26.601	146.7	0.202
130	7.873	34.106	7.860	26.614	145.7	0.216
139	7.864	34.108	7.851	26.616	145.6	0.229

STA NO 80 HUN 7 LAT: 38 41.0 N LONG: 123 43.6 W
 1 MAY 1981 2233 GMT PROBE 2567 DEPTH 171M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.378	33.682	9.378	26.047	197.2	0.002
10	9.371	33.685	9.370	26.050	197.0	0.020
20	9.211	33.691	9.209	26.081	194.3	0.039
30	8.944	33.728	8.941	26.153	187.7	0.058
40	8.908	33.798	8.904	26.213	182.2	0.077
50	8.650	33.796	8.645	26.252	178.7	0.095
60	8.668	33.851	8.662	26.293	175.0	0.113
70	8.676	33.923	8.669	26.348	170.0	0.130
80	8.470	33.983	8.462	26.426	162.7	0.146
90	8.407	34.007	8.398	26.457	159.9	0.163
100	8.370	34.015	8.360	26.467	159.2	0.179
110	8.285	34.023	8.274	26.486	157.5	0.194
120	8.152	34.040	8.140	26.519	154.5	0.210
130	8.077	34.052	8.064	26.541	152.7	0.225
140	8.013	34.058	7.999	26.555	151.5	0.241
150	8.004	34.094	7.989	26.585	148.9	0.256
167	7.834	34.109	7.818	26.622	145.6	0.281



STATION 80 HUN 7



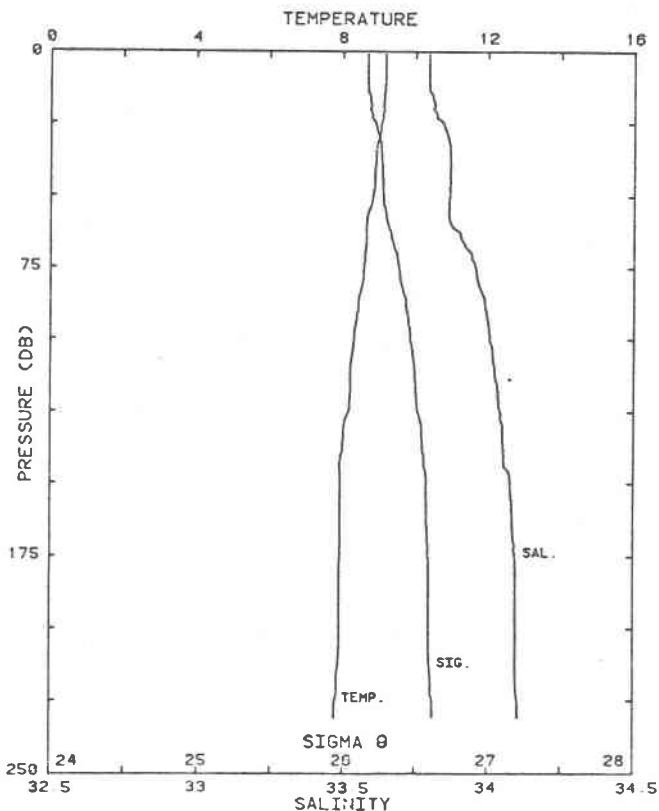
STATION 81 HUN 8

STA NO 81 HUN 8 LAT: 30 36.5 N LONG:123 40.3 W
 1 MAY 1981 2327 GMT PROBE 2567 DEPTH 192M

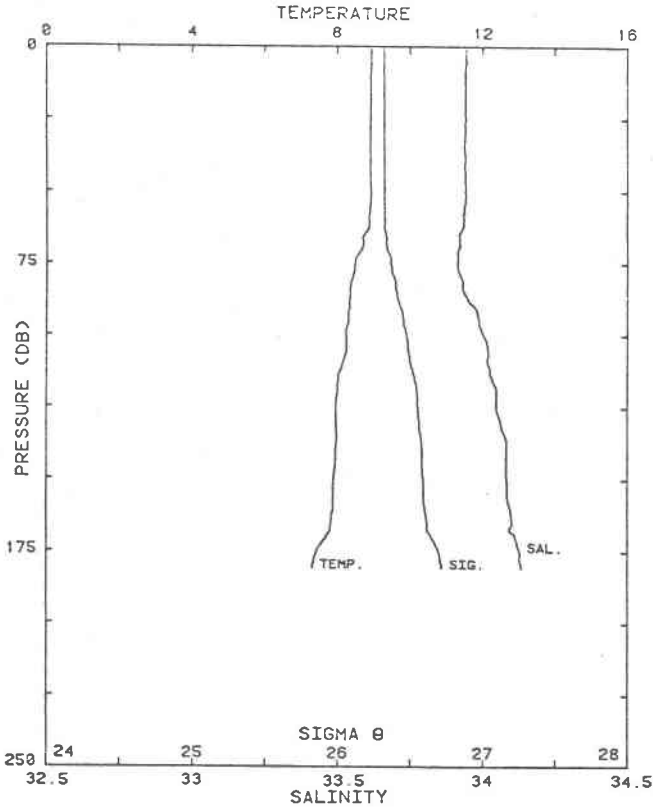
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	9.328	33.731	9.328	26.093	192.8	0.002
10	9.316	33.731	9.315	26.095	192.8	0.019
20	9.202	33.756	9.200	26.133	189.4	0.038
30	9.074	33.819	9.071	26.203	182.9	0.057
40	8.947	33.848	8.942	26.246	179.0	0.075
50	8.915	33.848	8.910	26.251	178.7	0.093
60	8.618	33.873	8.612	26.317	172.6	0.111
70	8.634	33.941	8.626	26.368	168.0	0.128
80	8.595	33.953	8.586	26.384	166.7	0.144
90	8.426	33.994	8.417	26.442	161.4	0.161
100	8.394	34.001	8.384	26.452	160.6	0.177
110	8.369	34.010	8.358	26.463	159.7	0.193
120	8.265	34.027	8.253	26.493	157.1	0.209
130	8.192	34.032	8.179	26.508	155.8	0.224
140	8.108	34.040	8.093	26.526	154.2	0.240
150	8.033	34.059	8.018	26.553	151.8	0.255
175	7.901	34.100	7.884	26.605	147.4	0.292
190	7.819	34.105	7.801	26.621	146.1	0.314

STA NO 82 HUN 9 LAT: 38 31.6 N LONG:123 38.0 W
 2 MAY 1981 0033 GMT PROBE 2567 DEPTH 232M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	9.168	33.796	9.168	26.169	185.6	0.002
10	9.167	33.795	9.166	26.169	185.7	0.019
20	9.122	33.810	9.120	26.188	184.1	0.037
30	9.000	33.862	8.997	26.248	178.6	0.055
40	8.889	33.869	8.884	26.272	176.6	0.073
50	8.819	33.866	8.813	26.280	176.0	0.091
60	8.649	33.873	8.643	26.312	173.1	0.108
70	8.610	33.943	8.603	26.374	167.5	0.125
80	8.548	33.967	8.540	26.402	165.0	0.142
90	8.419	33.995	8.410	26.444	161.1	0.158
100	8.371	34.007	8.311	26.469	159.0	0.174
110	8.219	34.024	8.208	26.497	156.4	0.190
120	8.202	34.037	8.190	26.510	155.4	0.205
130	8.039	34.053	8.026	26.547	152.1	0.221
140	7.959	34.057	7.945	26.562	150.8	0.236
150	7.952	34.079	7.937	26.581	149.2	0.251
175	7.941	34.095	7.924	26.595	148.3	0.288
200	7.923	34.099	7.903	26.601	148.2	0.325
225	7.797	34.105	7.775	26.625	146.3	0.362
231	7.786	34.106	7.764	26.627	146.2	0.371



STATION 82 HUN 9



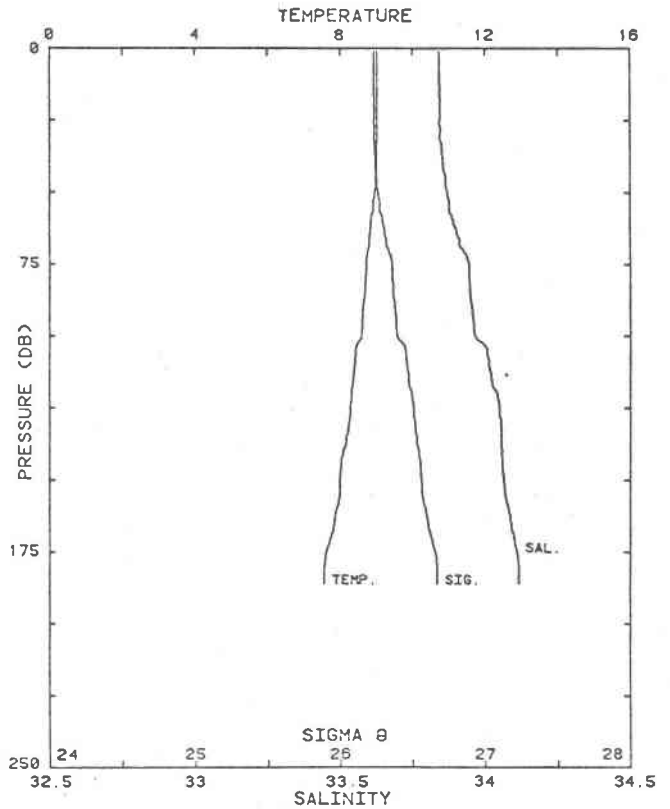
STATION 83 HUN10

STA NO 83 HUN10 LAT: 38 28.2 N LONG: 123 32.1 W
 2 MAY 1981 0134 GMT PROBE 2567 DEPTH 182M

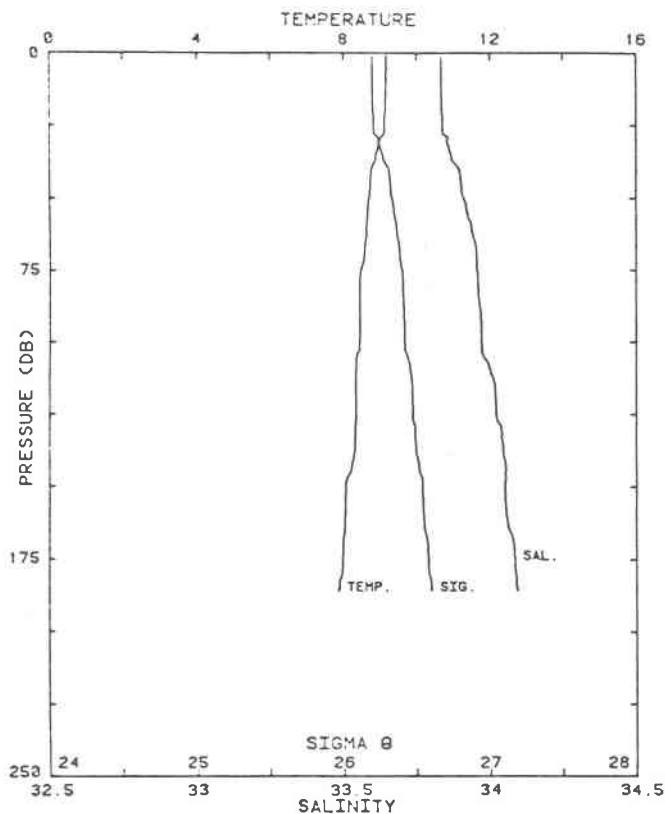
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	8.944	33.944	8.944	26.321	171.2	0.002
10	8.918	33.941	8.917	26.322	171.2	0.017
20	8.920	33.940	8.918	26.322	171.4	0.034
30	8.917	33.941	8.913	26.323	171.5	0.051
40	8.911	33.939	8.907	26.323	171.7	0.069
50	8.924	33.941	8.919	26.322	172.0	0.086
60	8.882	33.936	8.876	26.325	171.9	0.103
70	8.674	33.917	8.666	26.343	170.4	0.120
80	8.417	33.927	8.409	26.391	166.0	0.137
90	8.352	33.973	8.343	26.437	161.8	0.153
100	8.247	34.004	8.237	26.477	158.2	0.169
110	8.147	34.020	8.135	26.505	155.7	0.185
120	8.001	34.050	7.989	26.551	151.5	0.200
130	7.967	34.063	7.954	26.565	150.3	0.215
140	7.959	34.084	7.945	26.584	148.8	0.230
150	7.901	34.085	7.887	26.593	148.0	0.245
175	7.423	34.120	7.406	26.696	138.5	0.202
181	7.307	34.134	7.290	26.717	136.6	0.290

STA NO 84 HUN11 LAT: 38 23.9 N LONG: 123 30.3 W
 2 MAY 1981 0244 GMT PROBE 2567 DEPTH 190M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	9.011	33.843	9.011	26.231	179.7	0.002
10	9.012	33.843	9.011	26.231	179.8	0.018
20	9.012	33.844	9.010	26.232	179.9	0.036
30	9.012	33.845	9.008	26.233	180.1	0.054
40	8.998	33.856	8.994	26.244	179.2	0.072
50	8.949	33.871	8.943	26.264	177.6	0.090
60	8.848	33.891	8.841	26.296	174.7	0.107
70	8.764	33.925	8.756	26.336	171.1	0.125
80	8.700	33.947	8.692	26.362	168.7	0.142
90	8.630	33.957	8.621	26.381	167.1	0.158
100	8.505	33.967	8.575	26.397	165.9	0.175
110	8.377	34.015	8.388	26.463	159.7	0.191
120	8.321	34.044	8.309	26.497	156.7	0.207
130	8.245	34.055	8.231	26.518	154.9	0.223
140	8.087	34.060	8.069	26.546	152.4	0.238
150	7.993	34.065	7.978	26.564	150.8	0.253
175	7.617	34.110	7.600	26.654	142.6	0.290
186	7.553	34.116	7.535	26.668	141.4	0.306



STATION 84 HUN11



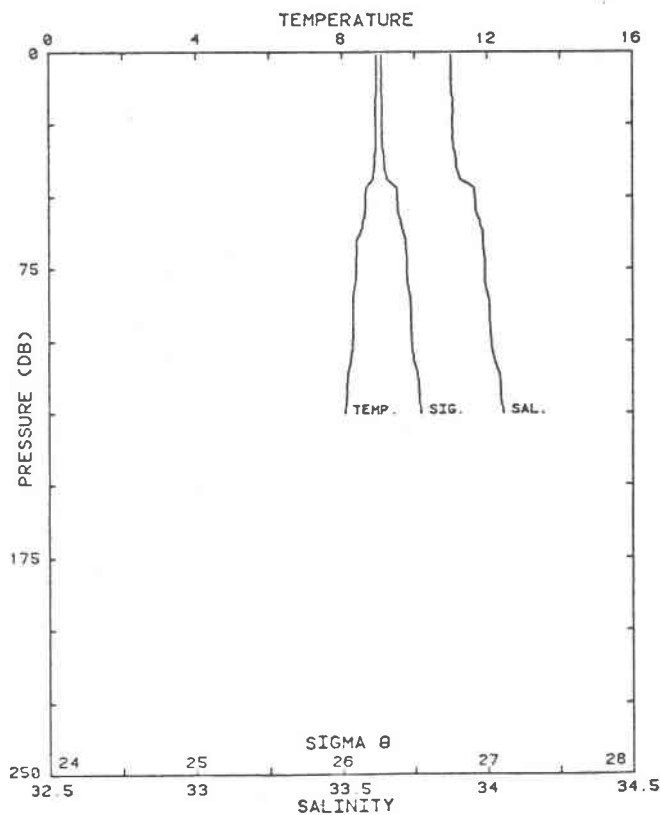
STATION 85 HUN12

STA NO 85 HUN12 LAT: 38 19.2 N LONG:123 26.7 W
 2 MAY 1981 0334 GMT PROBE 2567 DEPTH 190M
 29.2 KM FROM SHORE

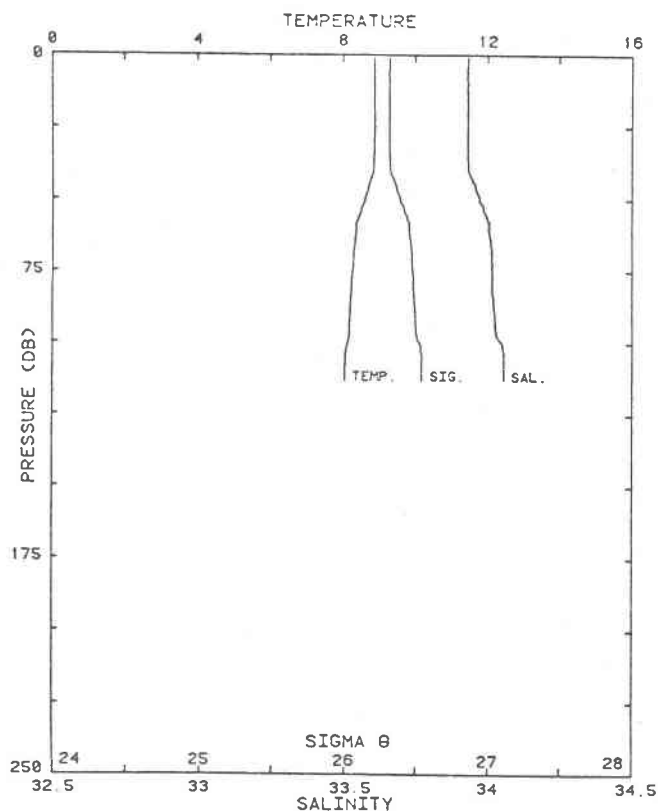
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.176	33.835	9.176	26.199	182.7	0.002
10	9.171	33.835	9.170	26.200	182.8	0.018
20	9.151	33.837	9.149	26.204	182.6	0.037
30	9.000	33.854	8.997	26.242	179.2	0.055
40	8.764	33.897	8.760	26.313	172.7	0.072
50	8.704	33.912	8.699	26.334	170.7	0.090
60	8.641	33.937	8.635	26.364	168.2	0.107
70	8.574	33.956	8.566	26.387	166.0	0.123
80	8.459	33.961	8.451	26.411	164.1	0.140
90	8.460	33.970	8.451	26.417	163.7	0.156
100	8.450	33.972	8.440	26.421	163.5	0.172
110	8.348	34.003	8.337	26.461	159.7	0.189
120	8.347	34.021	8.334	26.475	158.7	0.205
130	8.336	34.040	8.323	26.492	157.4	0.220
140	8.280	34.050	8.266	26.509	155.9	0.236
150	8.068	34.051	8.053	26.542	152.9	0.252
175	7.982	34.085	7.965	26.581	149.6	0.289
186	7.871	34.093	7.852	26.604	147.6	0.306

STA NO 86 ROS 5 LAT: 38 21.3 N LONG:123 23.3 W
 2 MAY 1981 0432 GMT PROBE 2567 DEPTH 129M
 23.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.935	33.875	8.935	26.268	176.1	0.002
10	8.934	33.875	8.933	26.268	176.3	0.018
20	8.918	33.882	8.915	26.277	175.7	0.035
30	8.927	33.879	8.924	26.273	176.2	0.053
40	8.881	33.853	8.877	26.292	174.7	0.070
50	8.636	33.958	8.631	26.381	166.4	0.087
60	8.561	33.976	8.555	26.407	164.1	0.104
70	8.391	33.990	8.383	26.444	160.8	0.120
80	8.363	33.993	8.355	26.450	160.4	0.136
90	8.296	34.008	8.287	26.473	158.4	0.152
100	8.288	34.014	8.277	26.479	158.0	0.168
110	8.177	34.039	8.166	26.515	154.7	0.184
120	8.122	34.048	8.110	26.531	153.4	0.199
125	8.086	34.056	8.074	26.542	152.5	0.207



STATION 86 ROS 5



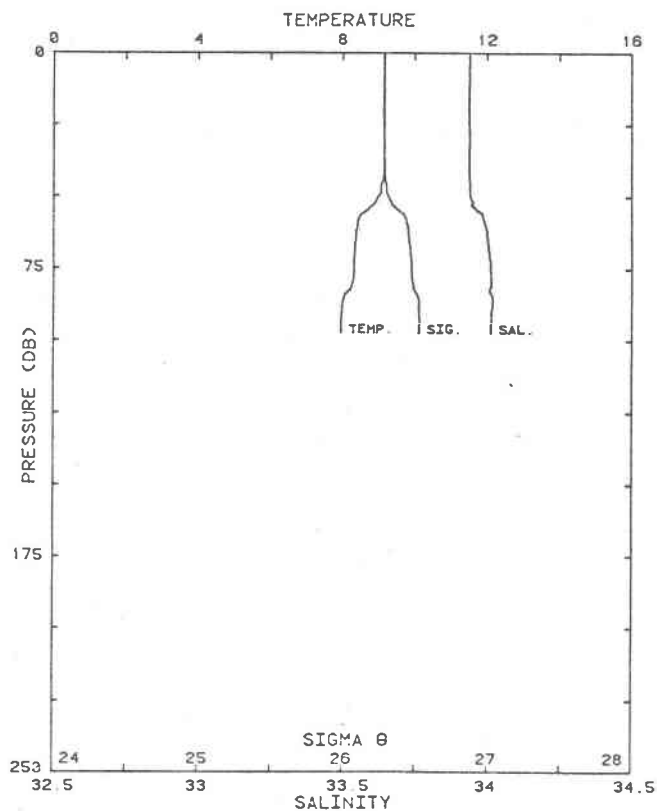
STATION 87 ROS 4

STA NO 87 ROS 4 LAT: 38 23.0 N LONG:123 20.7 W
 2 MAY 1981 0517 GMT PROBE 2567 DEPTH 116M
 17.9 KM FROM SHORE

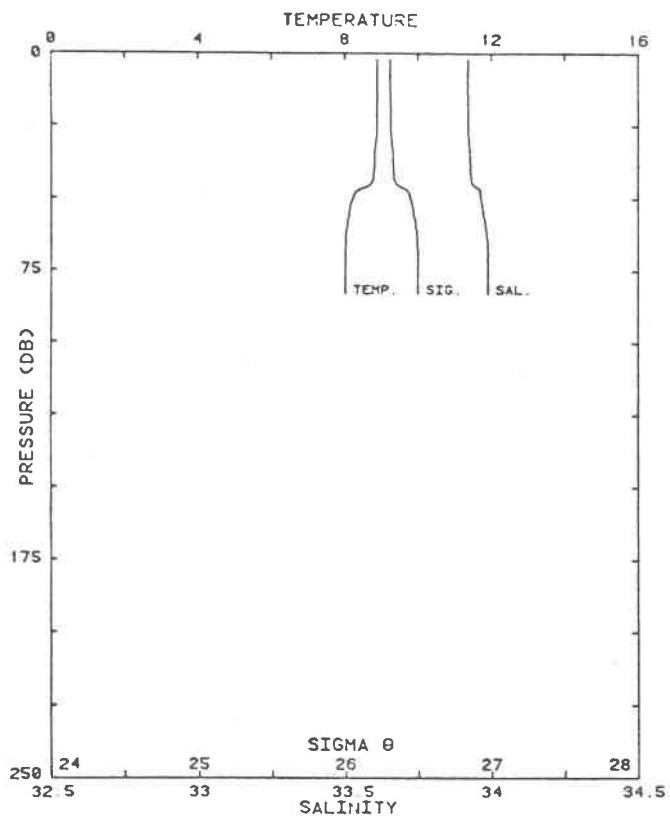
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.876	33.934	8.876	26.323	170.9	0.002
10	8.875	33.932	8.874	26.322	171.2	0.017
20	8.802	33.933	8.879	26.322	171.4	0.034
30	8.878	33.932	8.875	26.322	171.6	0.051
40	8.845	33.934	8.841	26.329	171.1	0.069
50	8.613	33.973	8.603	26.396	165.0	0.085
60	8.380	34.005	8.374	26.457	159.4	0.101
70	8.304	34.014	8.297	26.476	157.7	0.117
80	8.242	34.017	8.234	26.488	156.8	0.133
90	8.198	34.025	8.189	26.501	155.7	0.149
100	8.131	34.049	8.121	26.530	153.1	0.164
110	8.058	34.058	8.047	26.547	151.6	0.179
113	8.055	34.057	8.044	26.548	151.7	0.184

STA NO 88 ROS 3 LAT: 38 24.8 N LONG:123 18.0 W
 2 MAY 1981 0601 GMT PROBE 2567 DEPTH 100M
 12.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	9.149	33.939	9.149	26.284	174.6	0.000
10	9.148	33.939	9.146	26.284	174.8	0.017
20	9.149	33.937	9.146	26.283	175.1	0.035
30	9.145	33.939	9.142	26.285	175.1	0.052
40	9.150	33.938	9.146	26.284	175.4	0.070
50	8.967	33.942	8.961	26.316	172.6	0.087
60	8.390	33.996	8.384	26.448	160.2	0.104
70	8.309	34.003	8.302	26.470	158.2	0.120
80	8.247	34.014	8.238	26.485	157.1	0.136
90	7.956	34.015	7.948	26.529	153.0	0.151
97	7.946	34.014	7.936	26.530	153.0	0.162



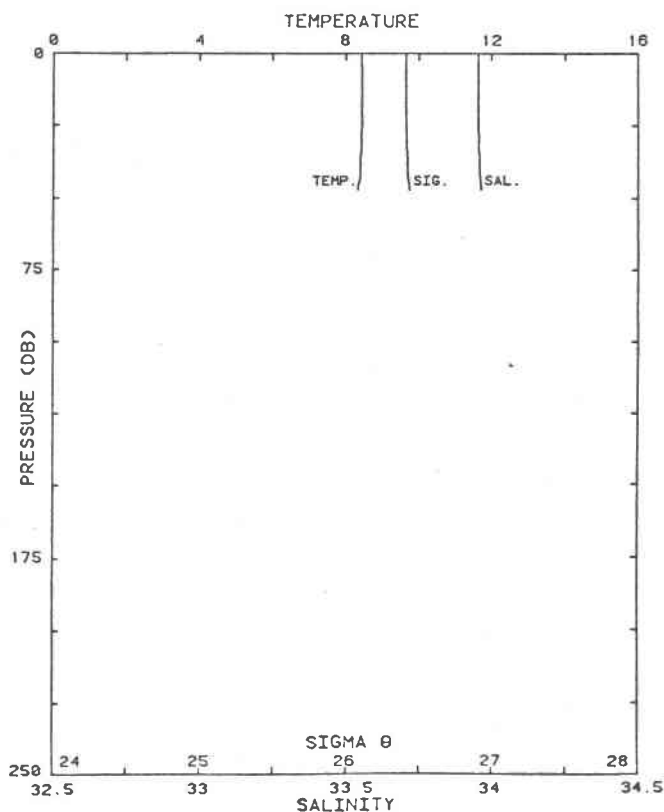
STATION 88 ROS 3



STATION 89 ROS 2

STA NO 89 ROS 2 LAT: 38 26.6 N LONG: 123 15.4 W
 2 MAY 1981 0641 GMT PROBE 2567 DEPTH 87M
 7.8 KM FROM SHORE

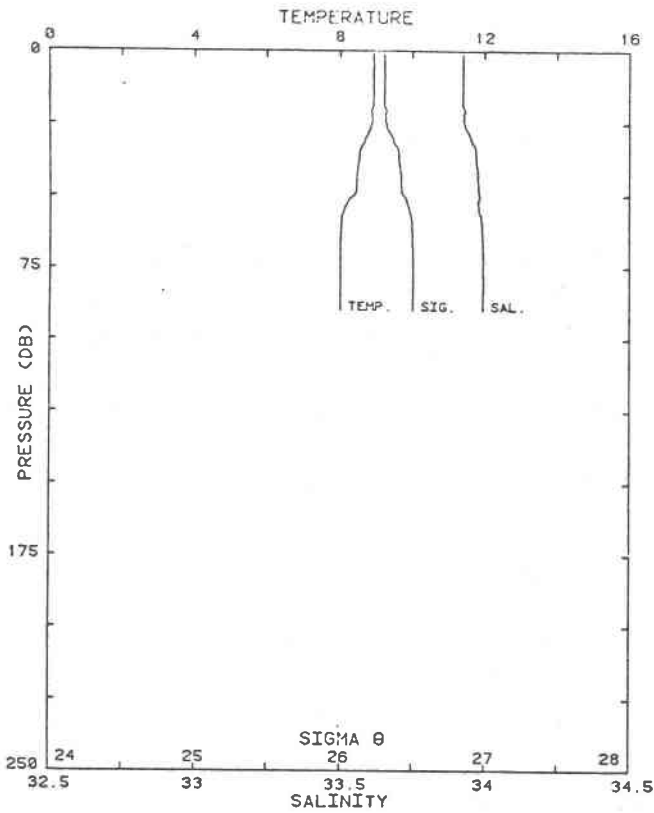
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
2	8.893	33.921	8.893	26.310	172.1	0.003
10	8.887	33.920	8.886	26.311	172.2	0.017
20	8.871	33.922	8.869	26.315	172.1	0.034
30	8.845	33.925	8.842	26.322	171.6	0.052
40	8.804	33.928	8.800	26.331	170.9	0.069
50	8.237	33.965	8.232	26.447	160.1	0.085
60	8.069	33.981	8.063	26.405	156.6	0.101
70	8.019	33.989	8.012	26.499	155.5	0.117
80	8.014	33.989	8.006	26.500	155.6	0.132
83	8.015	33.989	8.007	26.500	155.6	0.137



STATION 90 ROS 1

STA NO 90 ROS 1 LAT: 38 28.1 N LONG: 123 12.8 W
 2 MAY 1981 0725 GMT PROBE 2567 DEPTH 50M
 3.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	8.424	33.955	8.424	26.410	162.6	0.000
10	8.429	33.954	8.428	26.409	162.9	0.016
20	8.425	33.954	8.423	26.410	163.1	0.033
30	8.415	33.956	8.411	26.413	162.9	0.049
40	8.383	33.959	8.379	26.421	162.4	0.065
47	8.318	33.964	8.313	26.434	161.2	0.076



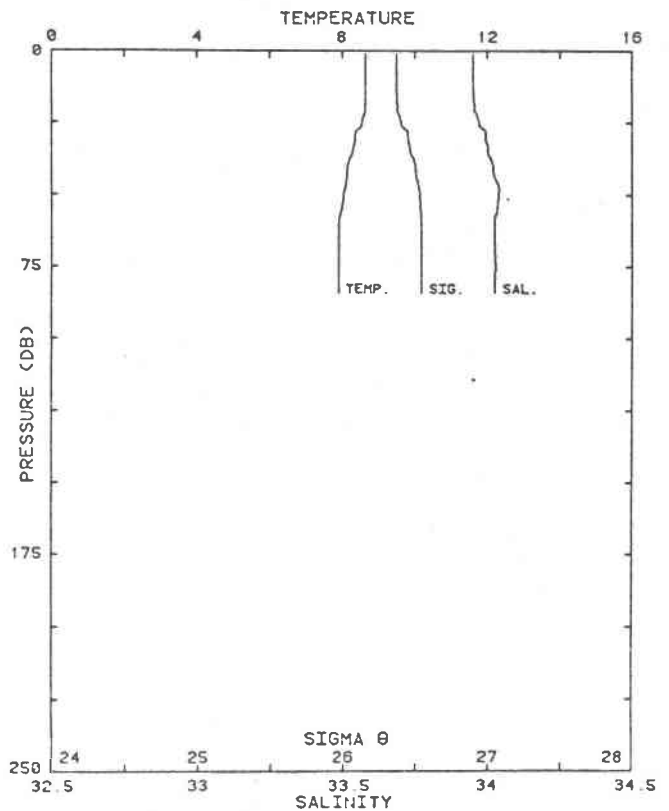
STATION 91 FIF11

STA NO 91 FIF11 LAT: 38 25.7 N LONG:123 16.8 W
 2 MAY 1981 0809 GMT PROBE 2567 DEPTH 73M
 10.0 KM FROM SHORE

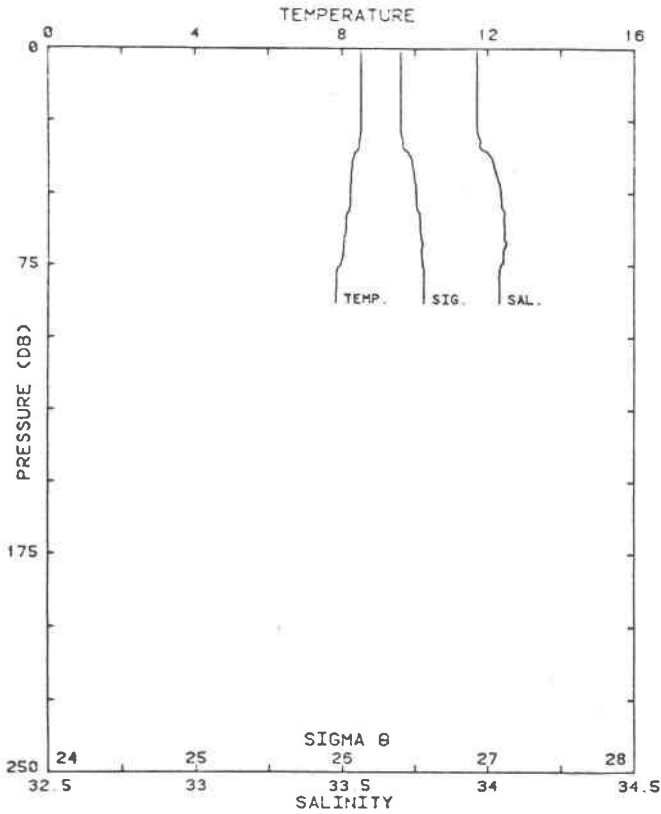
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	8.929	33.925	8.928	26.309	172.3	0.002
10	8.932	33.925	8.931	26.308	172.5	0.017
20	8.893	33.932	8.891	26.320	171.6	0.034
30	8.719	33.952	8.715	26.363	167.7	0.052
40	8.491	33.975	8.487	26.416	162.8	0.068
50	8.395	33.982	8.390	26.437	161.1	0.084
60	8.030	33.991	8.024	26.499	155.3	0.100
70	8.007	33.995	8.000	26.506	154.8	0.115
80	8.006	33.996	7.998	26.506	155.0	0.131
90	8.007	33.995	7.998	26.506	155.2	0.146

STA NO 92 FIF10 LAT: 38 29.7 N LONG:123 19.9 W
 2 MAY 1981 0913 GMT PROBE 2567 DEPTH 87M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	8.639	33.951	8.639	26.374	166.1	0.002
10	8.640	33.951	8.639	26.374	166.2	0.017
20	8.622	33.956	8.620	26.381	165.8	0.033
30	8.348	33.994	8.345	26.453	159.2	0.050
40	8.146	34.018	8.142	26.502	154.6	0.065
50	8.036	34.037	8.031	26.533	151.9	0.081
60	7.903	34.023	7.897	26.543	151.2	0.096
70	7.908	34.024	7.901	26.543	151.3	0.111
80	7.899	34.024	7.891	26.545	151.3	0.126
84	7.900	34.024	7.892	26.544	151.4	0.132



STATION 92 FIF10

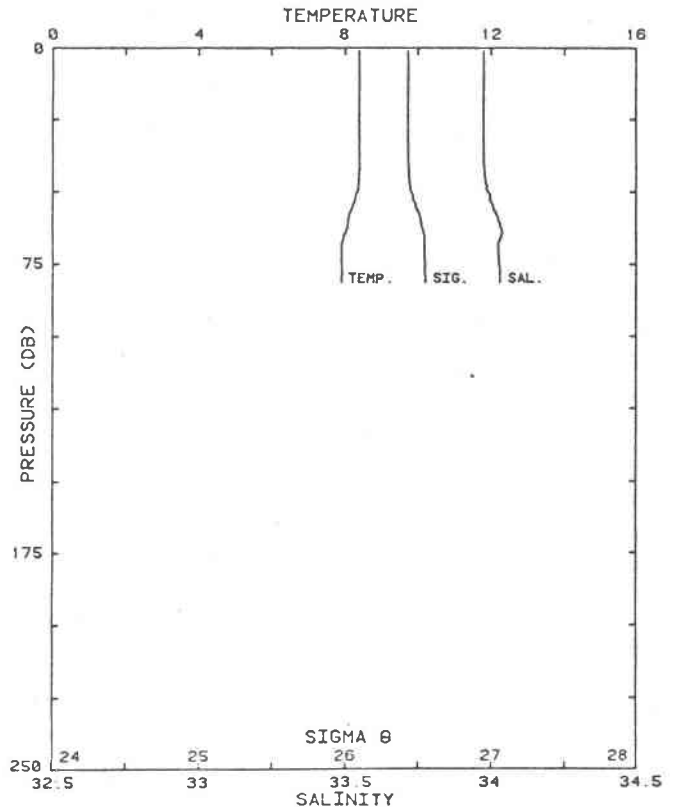


STA NO 93 FIF 9 LAT: 38 33.7 N LONG:123 24.4 W
 2 MAY 1981 1012 GMT PROBE 2567 DEPTH 91M
 LIN INT SAL. AT 35M

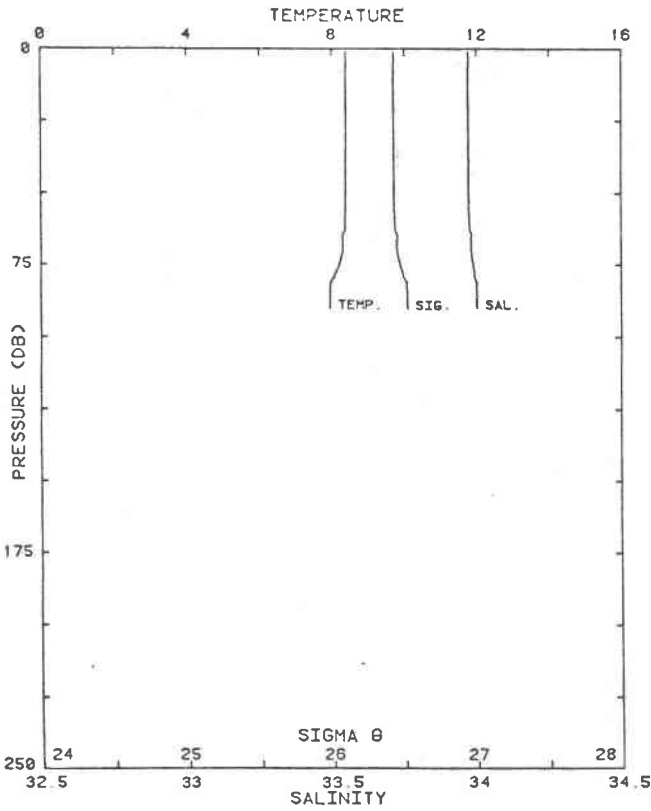
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.523	33.964	8.523	26.402	163.4	0.002
10	8.525	33.964	8.524	26.402	163.6	0.016
20	8.527	33.964	8.525	26.402	163.8	0.033
30	8.496	33.966	8.493	26.408	163.4	0.049
40	8.282	34.022	8.278	26.485	156.3	0.065
50	8.235	34.047	8.230	26.511	154.0	0.081
60	8.120	34.057	8.114	26.537	151.7	0.096
70	8.042	34.054	8.035	26.546	151.0	0.111
80	7.853	34.041	7.845	26.565	149.4	0.126
88	7.847	34.041	7.838	26.565	149.5	0.138

STA NO 94 FIF 8 LAT: 38 37.2 N LONG:123 28.2 W
 2 MAY 1981 1138 GMT PROBE 2567 DEPTH 87M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.382	33.974	8.381	26.432	160.6	0.002
10	8.384	33.975	8.383	26.432	160.8	0.016
20	8.386	33.974	8.384	26.432	161.0	0.032
30	8.388	33.975	8.385	26.432	161.2	0.048
40	8.390	33.975	8.386	26.431	161.4	0.064
50	8.321	33.989	8.316	26.454	159.5	0.080
60	8.074	34.027	8.068	26.520	153.3	0.096
70	7.891	34.023	7.884	26.545	151.1	0.111
80	7.886	34.030	7.879	26.551	150.7	0.126
81	7.888	34.030	7.880	26.550	150.8	0.128



STATION 94 FIF 8



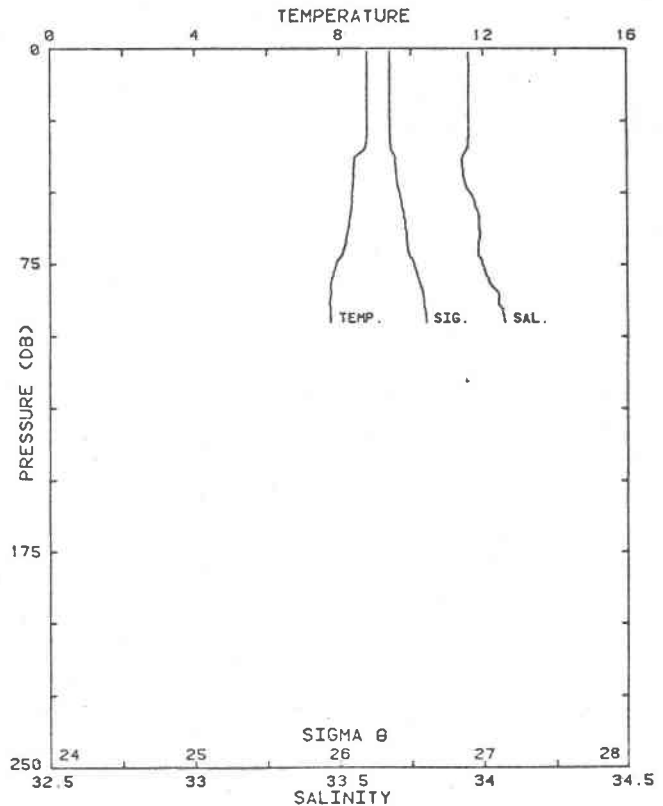
STATION 95 FIF 7

STA NO 95 FIF 7 LAT: 38 41.2 N LONG: 123 33.3 W
 2 MAY 1981 1247 GMT PROBE 2567 DEPTH 95M

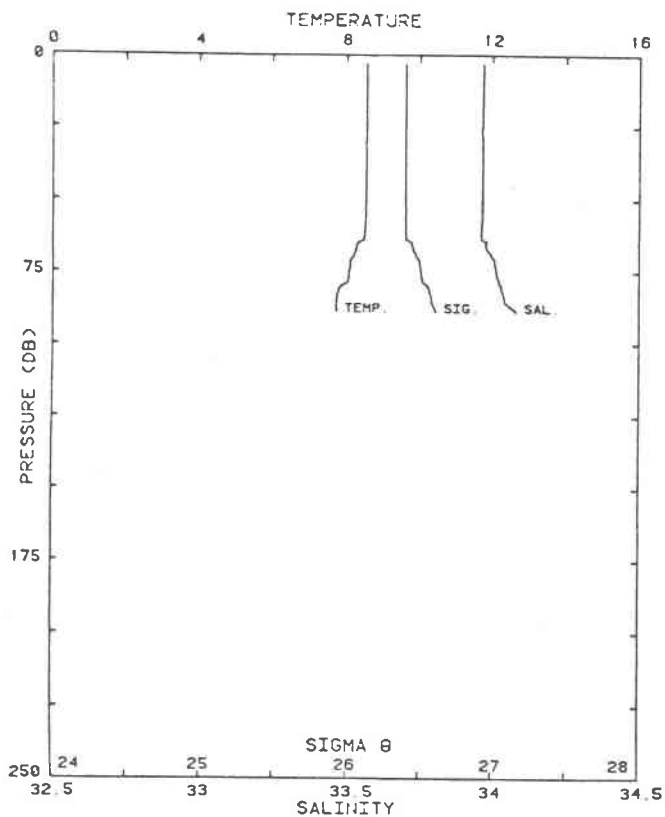
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.400	33.972	8.400	26.428	161.0	0.002
10	8.398	33.972	8.396	26.428	161.2	0.016
20	8.399	33.972	8.397	26.428	161.3	0.032
30	8.398	33.973	8.395	26.428	161.5	0.048
40	8.391	33.973	8.387	26.430	161.5	0.065
50	8.391	33.973	8.386	26.430	161.7	0.081
60	8.372	33.975	8.366	26.435	161.4	0.097
70	8.307	33.980	8.299	26.449	160.3	0.113
80	8.021	33.996	8.013	26.504	155.1	0.129
90	7.947	34.003	7.938	26.521	153.7	0.144

STA NO 96 FIF 6 LAT: 38 44.8 N LONG: 123 37.8 W
 2 MAY 1981 1353 GMT PROBE 2567 DEPTH 100M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.772	33.950	8.772	26.352	168.1	0.002
10	8.776	33.951	8.775	26.353	168.3	0.017
20	8.779	33.951	8.777	26.353	168.5	0.034
30	8.781	33.952	8.778	26.353	168.7	0.051
40	8.414	33.928	8.410	26.391	165.2	0.067
50	8.363	33.955	8.358	26.420	162.6	0.084
60	8.273	33.986	8.266	26.459	159.2	0.100
70	8.119	33.982	8.112	26.479	157.4	0.116
80	7.793	34.018	7.786	26.555	150.3	0.131
90	7.747	34.059	7.738	26.594	146.7	0.146
95	7.756	34.076	7.747	26.606	145.8	0.153



STATION 96 FIF 6



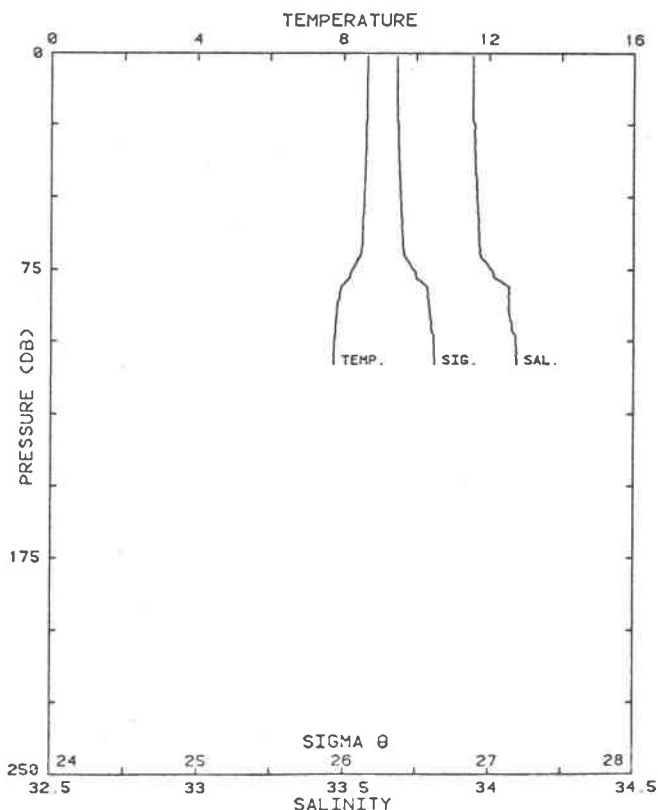
STATION 97 FIF 5

STA NO 97 FIF 5 LAT: 38 48.6 N LONG:123 41.8 W
 2 MAY 1981 1449 GMT PROBE 2567 DEPTH 93M

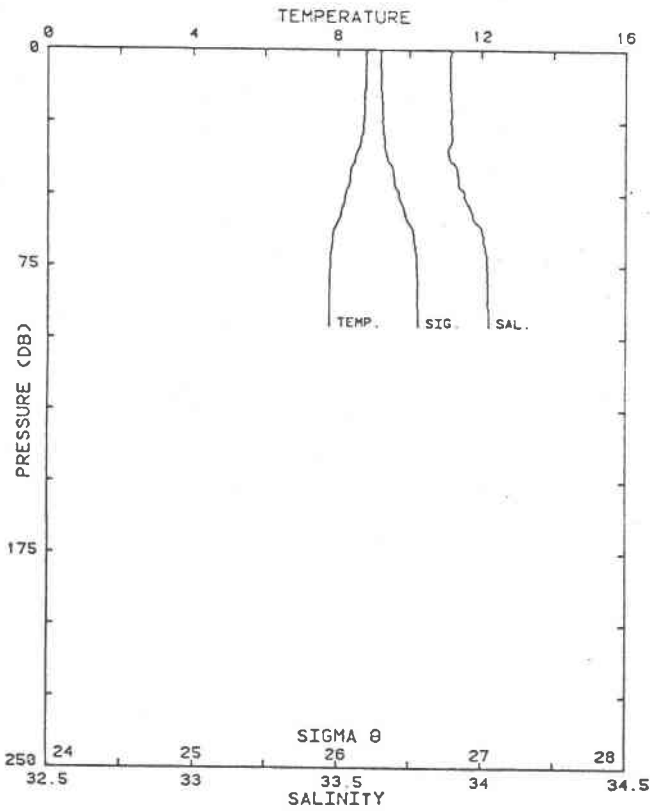
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
3	8.537	33.968	8.536	26.403	163.4	0.005
10	8.537	33.967	8.536	26.402	163.6	0.016
20	8.539	33.965	8.537	26.401	163.9	0.033
30	8.531	33.966	8.528	26.403	163.9	0.049
40	8.536	33.967	8.532	26.403	164.1	0.066
50	8.531	33.967	8.526	26.404	164.2	0.082
60	8.505	33.964	8.499	26.406	164.2	0.098
70	8.190	33.996	8.183	26.479	157.4	0.114
80	7.850	34.030	7.842	26.556	150.2	0.130
89	7.739	34.082	7.731	26.613	145.0	0.143

STA NO 98 FIF 4 LAT: 38 51.3 N LONG:123 47.3 W
 2 MAY 1981 1548 GMT PROBE 2567 DEPTH 112M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.668	33.943	8.668	26.363	167.1	0.002
10	8.640	33.944	8.639	26.369	166.8	0.017
20	8.634	33.944	8.632	26.370	166.8	0.033
30	8.611	33.950	8.608	26.378	166.3	0.050
40	8.591	33.954	8.587	26.385	165.8	0.067
50	8.566	33.959	8.561	26.392	165.3	0.083
60	8.525	33.965	8.518	26.403	164.4	0.100
70	8.461	33.971	8.454	26.418	163.2	0.116
80	7.995	34.057	7.987	26.556	150.3	0.132
90	7.810	34.070	7.802	26.594	146.8	0.147
100	7.744	34.093	7.734	26.621	144.4	0.161
108	7.723	34.097	7.713	26.628	143.9	0.173



STATION 98 FIF 4



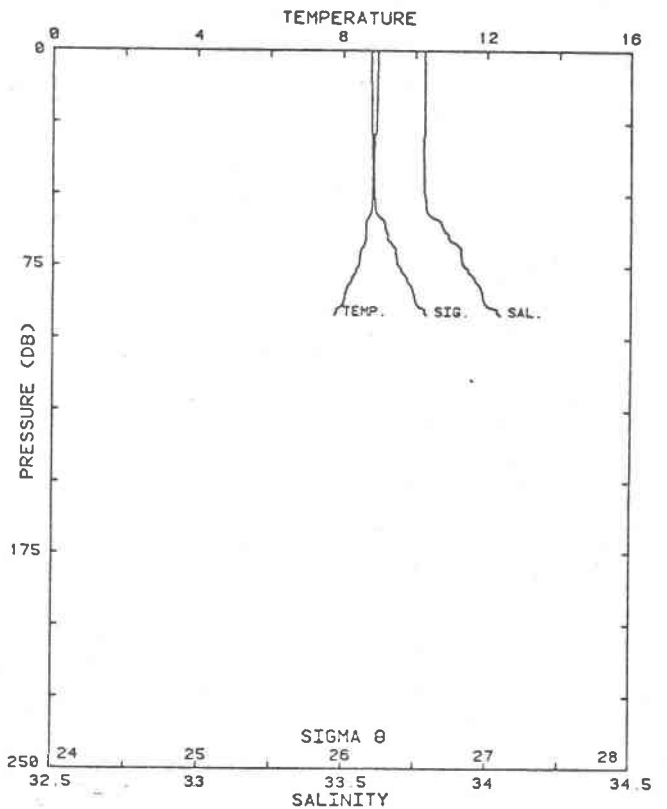
STATION 99 FIF 3

STA NO 99 FIF 3 LAT: 38 56.3 N LONG:123 47.8 W
 2 MAY 1981 1649 GHT PROBE 2567 DEPTH 98M

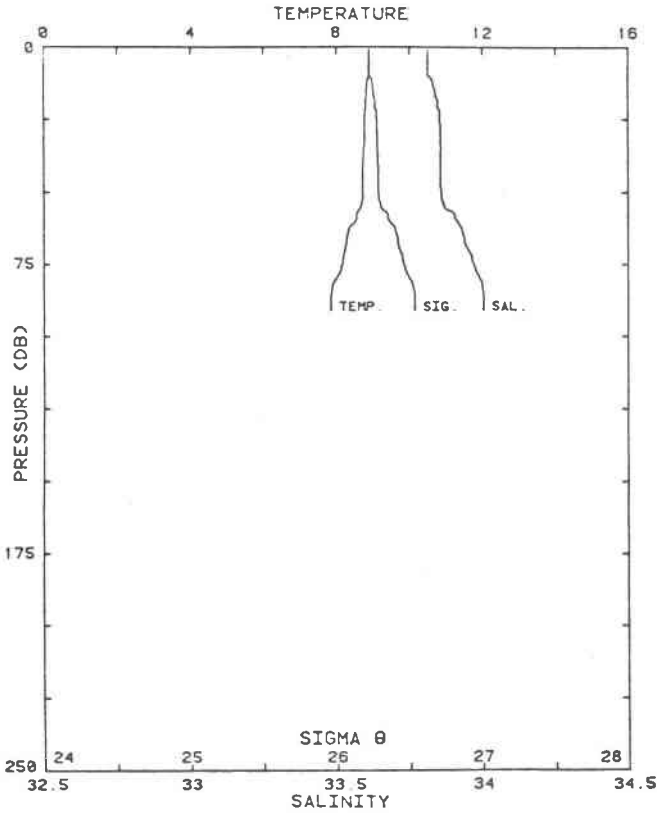
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	8.853	33.885	8.853	26.289	174.1	0.000
10	8.785	33.891	8.784	26.304	172.9	0.017
20	8.749	33.895	8.747	26.314	172.2	0.035
30	8.667	33.899	8.664	26.330	170.9	0.052
40	8.408	33.909	8.404	26.377	166.5	0.069
50	8.224	33.941	8.219	26.430	161.7	0.085
60	7.999	33.981	7.993	26.495	155.6	0.101
70	7.833	34.014	7.826	26.546	151.0	0.116
80	7.792	34.022	7.784	26.559	149.9	0.131
90	7.785	34.026	7.776	26.563	149.8	0.146
96	7.785	34.026	7.775	26.563	149.8	0.155

STA NO 100 FIF 2 LAT: 39 2.3 N LONG:123 48.9 W
 2 MAY 1981 1753 GHT PROBE 2567 DEPTH 95M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	8.957	33.784	8.957	26.193	183.2	0.000
10	8.946	33.783	8.945	26.195	183.3	0.018
20	8.928	33.782	8.926	26.197	183.2	0.037
30	8.867	33.780	8.863	26.205	182.7	0.055
40	8.839	33.781	8.835	26.210	182.4	0.073
50	8.813	33.784	8.807	26.217	182.0	0.091
60	8.639	33.841	8.633	26.289	175.3	0.109
70	8.489	33.908	8.481	26.365	168.3	0.127
80	8.233	33.957	8.225	26.442	161.1	0.143
90	7.810	34.035	7.801	26.566	149.4	0.159
92	7.769	34.045	7.760	26.580	148.2	0.162



STATION 100 FIF 2



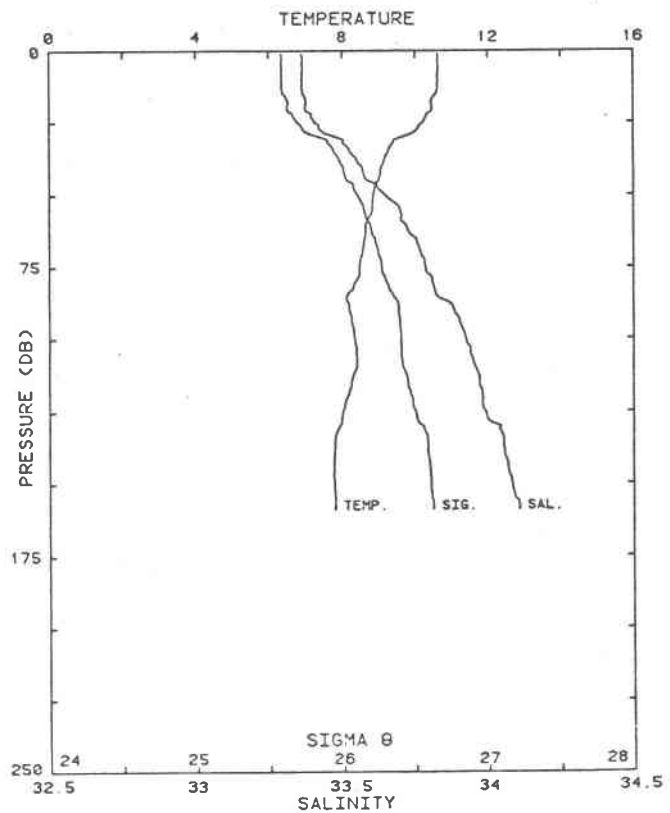
STATION 101 FIF 1

STA NO 101 FIF 1 LAT: 39 7.0 N LONG:123 47.8 W
 2 MAY 1981 1856 GMT PRORE 2567 DEPTH 95M

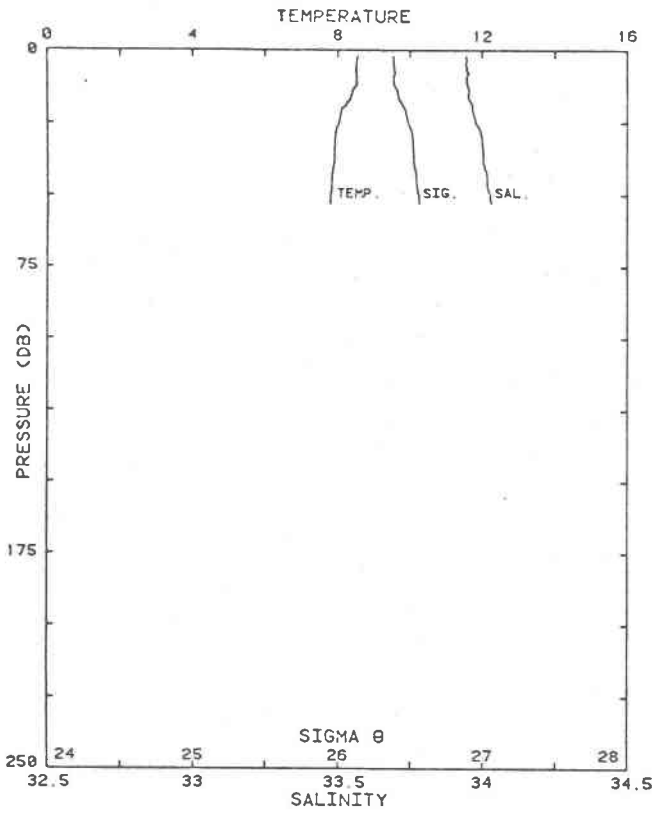
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.904	33.813	8.904	26.225	180.3	0.002
10	8.909	33.815	8.908	26.226	180.3	0.018
20	8.812	33.847	8.809	26.266	176.7	0.036
30	8.772	33.857	8.769	26.281	175.5	0.053
40	8.734	33.857	8.730	26.287	175.1	0.071
50	8.725	33.860	8.720	26.290	175.0	0.088
60	8.530	33.913	8.524	26.362	168.4	0.106
70	8.235	33.953	8.228	26.438	161.3	0.122
80	7.998	33.992	7.990	26.505	155.1	0.138
90	7.845	34.006	7.837	26.538	152.1	0.153
91	7.845	34.006	7.837	26.538	152.1	0.155

STA NO 102 HUN 1 LAT: 39 7.0 N LONG:123 56.7 W
 2 MAY 1981 2001 GMT PRORE 2567 DEPTH 164M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.619	33.362	10.619	25.588	240.7	0.002
10	10.622	33.364	10.620	25.590	240.8	0.024
20	10.470	33.375	10.468	25.625	237.7	0.048
30	9.675	33.476	9.671	25.838	217.6	0.071
40	9.075	33.567	9.070	26.006	201.8	0.092
50	8.852	33.647	8.846	26.104	192.7	0.112
60	8.638	33.717	8.632	26.192	184.5	0.130
70	8.545	33.770	8.538	26.248	179.4	0.149
80	8.371	33.809	8.362	26.306	174.1	0.166
90	8.196	33.884	8.187	26.391	166.2	0.183
100	8.333	33.925	8.323	26.402	165.3	0.200
110	8.382	33.959	8.370	26.421	163.7	0.216
120	8.116	33.983	8.104	26.481	158.2	0.232
130	7.923	34.043	7.910	26.557	151.1	0.248
140	7.779	34.057	7.765	26.589	148.2	0.263
150	7.779	34.081	7.764	26.608	146.6	0.278
159	7.795	34.106	7.779	26.625	145.1	0.291



STATION 102 HUN 1



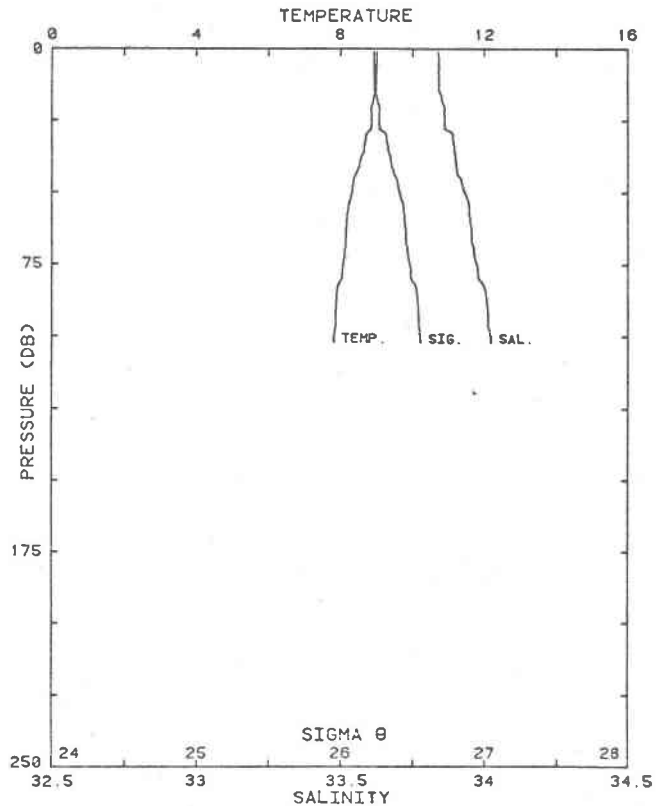
STATION 103 AR 1

STA NO 103 AR 1 LAT: 38 56.7 N LONG:123 46.1 W
 2 MAY 1981 2134 GMT PROBE 2567 DEPTH 56M
 3.3 KM FROM SHORE

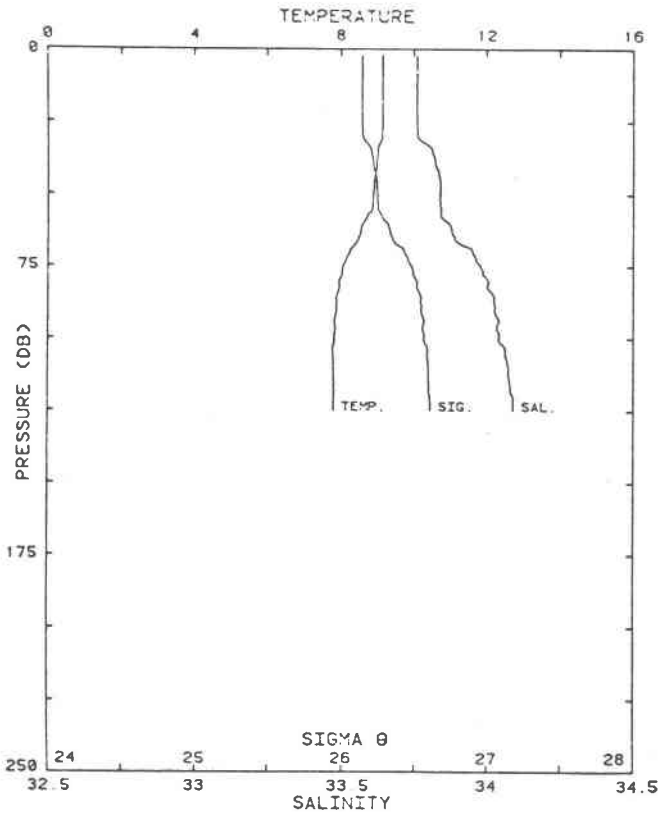
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
2	8.552	33.944	8.551	26.382	165.3	0.003
10	8.525	33.947	8.524	26.388	164.9	0.016
20	8.111	33.967	8.109	26.467	157.6	0.033
30	7.925	33.999	7.922	26.520	152.8	0.048
40	7.879	34.009	7.875	26.535	151.5	0.063
50	7.791	34.029	7.786	26.564	148.9	0.078
53	7.778	34.033	7.773	26.568	148.6	0.083

STA NO 104 AR 2 LAT: 38 55.8 N LONG:123 49.3 W
 2 MAY 1981 2211 GMT PROBE 2567 DEPTH 105M
 8.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	9.000	33.839	9.000	26.230	179.8	0.002
10	8.991	33.841	8.990	26.233	179.7	0.018
20	8.856	33.861	8.854	26.270	176.4	0.036
30	8.703	33.890	8.700	26.316	172.1	0.053
40	8.522	33.901	8.518	26.353	168.8	0.070
50	8.316	33.932	8.311	26.409	163.7	0.087
60	8.175	33.950	8.169	26.445	160.4	0.103
70	8.117	33.963	8.110	26.464	158.8	0.119
80	8.032	33.980	8.024	26.490	156.5	0.135
90	7.874	34.011	7.865	26.538	152.2	0.150
100	7.821	34.023	7.812	26.555	150.7	0.165
102	7.820	34.023	7.810	26.556	150.7	0.169



STATION 104 AR 2



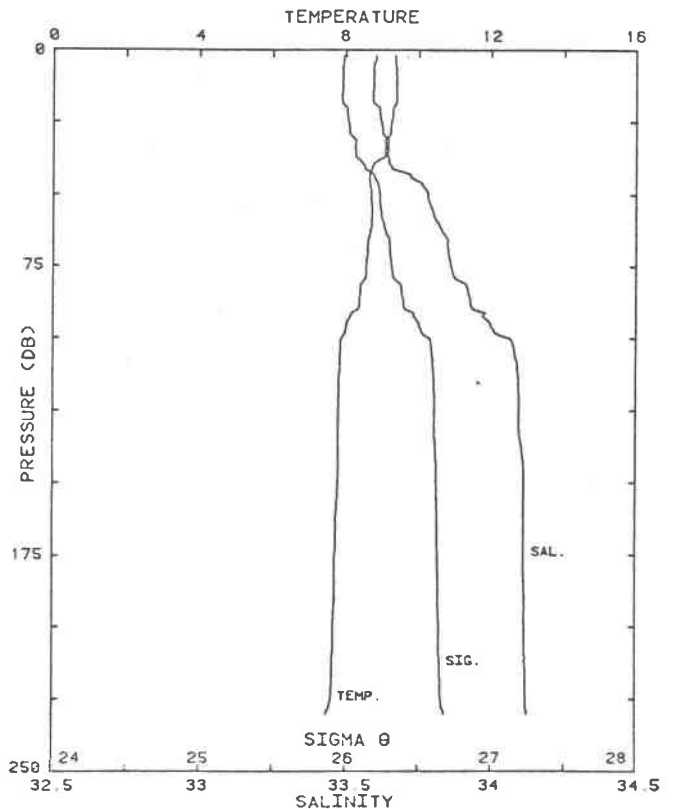
STATION 105 AR 3

STA NO 105 AR 3 LAT: 38 54.8 N LONG:123 52.6 W
 2 MAY 1981 2248 GMT PROBE 2567 DEPTH 129M
 12.8 KM FROM SHORE

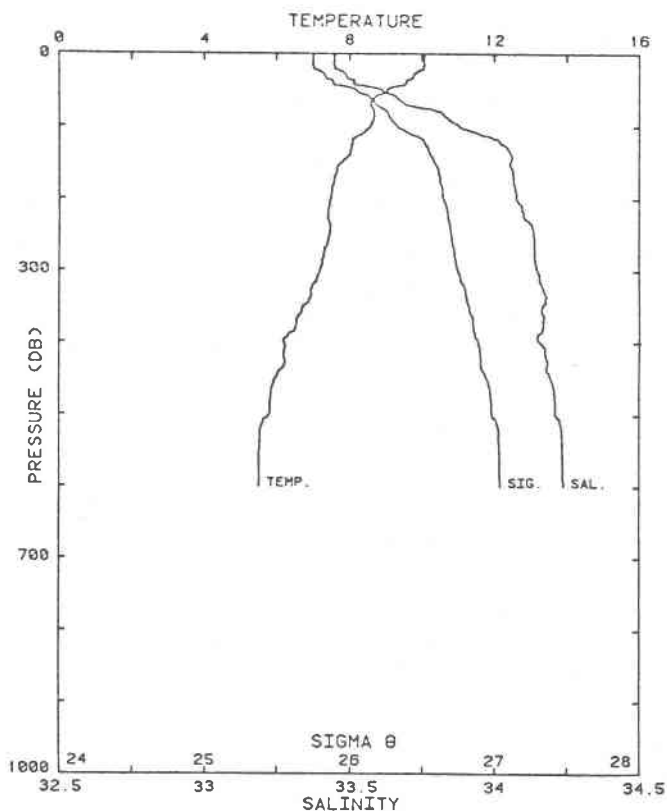
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	9.143	33.761	9.143	26.146	187.8	0.004
10	9.139	33.761	9.138	26.147	187.8	0.019
20	9.139	33.761	9.137	26.147	188.0	0.038
30	9.131	33.763	9.128	26.150	187.9	0.056
40	8.981	33.825	8.977	26.223	181.2	0.075
50	8.884	33.840	8.879	26.250	178.9	0.093
60	8.610	33.869	8.604	26.316	172.8	0.110
70	8.242	33.952	8.235	26.437	161.4	0.127
80	7.959	34.004	7.951	26.520	153.7	0.143
90	7.867	34.028	7.858	26.552	150.8	0.158
100	7.819	34.043	7.809	26.571	149.2	0.173
110	7.793	34.075	7.782	26.600	146.6	0.188
120	7.799	34.089	7.787	26.610	145.8	0.203
125	7.795	34.092	7.783	26.614	145.6	0.210

STA NO 106 AR 4 LAT: 38 53.9 N LONG:123 55.8 W
 2 MAY 1981 2335 GMT PROBE 2567 DEPTH 237M
 18.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	9.339	33.603	9.339	25.991	202.5	0.004
10	9.378	33.594	9.377	25.978	203.9	0.020
20	9.289	33.615	9.287	26.009	201.1	0.041
30	9.162	33.634	9.159	26.044	198.0	0.061
40	8.733	33.655	8.729	26.129	190.1	0.080
50	8.706	33.784	8.700	26.234	180.4	0.099
60	8.709	33.820	8.703	26.262	177.9	0.117
70	8.600	33.853	8.593	26.304	174.1	0.134
80	8.489	33.896	8.481	26.355	169.4	0.151
90	8.333	33.942	8.324	26.415	163.9	0.168
100	7.886	34.064	7.876	26.578	148.6	0.184
110	7.852	34.090	7.841	26.603	146.3	0.198
120	7.820	34.096	7.809	26.613	145.5	0.213
130	7.814	34.096	7.801	26.614	145.6	0.227
140	7.816	34.107	7.802	26.623	145.0	0.242
150	7.809	34.113	7.794	26.628	144.7	0.256
175	7.731	34.113	7.713	26.640	144.0	0.293
200	7.693	34.116	7.673	26.649	143.6	0.328
225	7.628	34.121	7.606	26.662	142.7	0.364
230	7.496	34.125	7.474	26.684	140.6	0.371



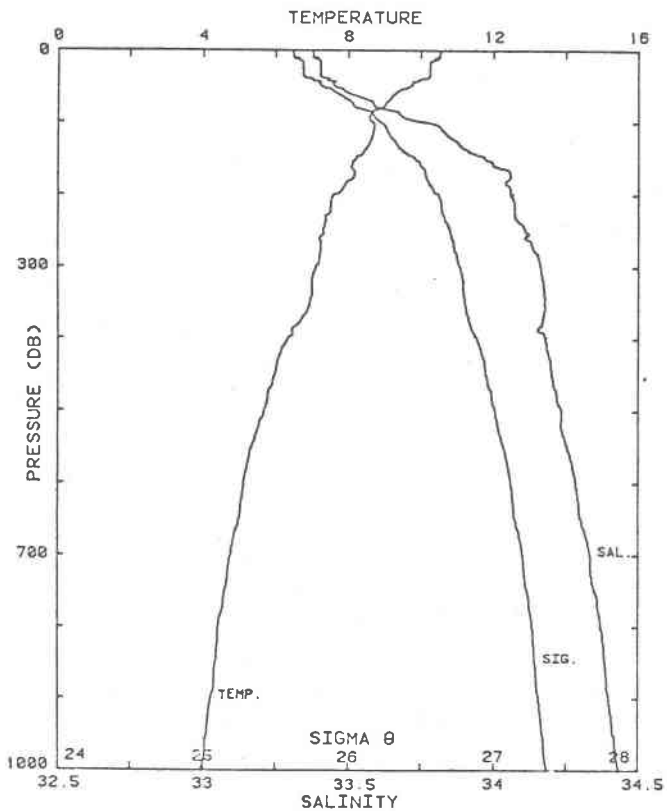
STATION 106 AR 4



STATION 107 AR 5

STA NO 107 AR 5 LAT: 38 53.0 N LONG: 123 59.0 W
 3 MAY 1981 0018 GMT PROBE 2567 DEPTH 617M
 22.9 KM FROM SHORE

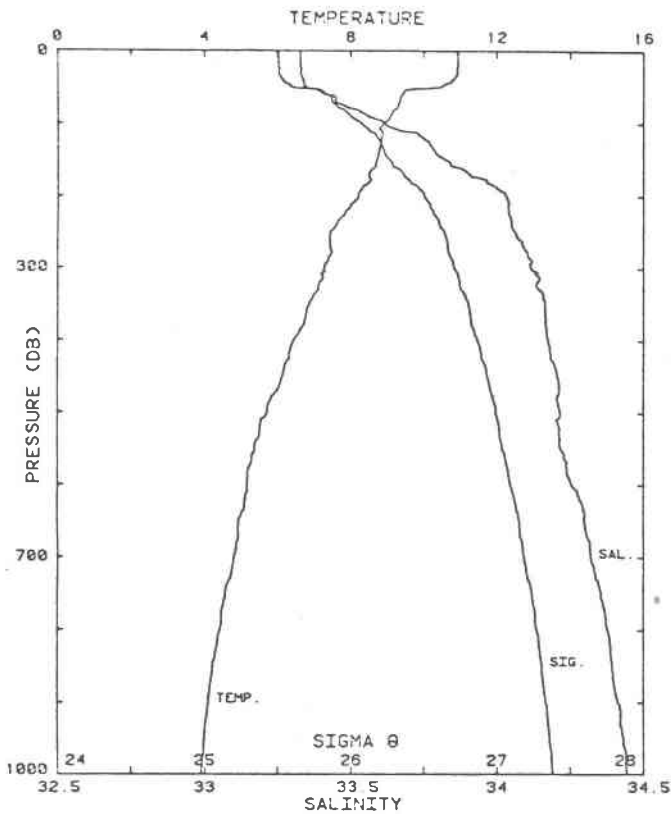
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.063	33.449	10.063	25.751	225.2	0.002
10	10.057	33.449	10.056	25.753	225.3	0.023
20	10.047	33.450	10.044	25.755	225.3	0.045
30	9.779	33.488	9.776	25.830	218.4	0.067
40	9.550	33.517	9.546	25.890	212.8	0.089
50	9.041	33.612	9.036	26.047	198.2	0.109
60	8.690	33.663	8.684	26.142	189.3	0.129
70	8.571	33.696	8.564	26.186	185.3	0.148
80	8.679	33.818	8.671	26.265	178.0	0.166
90	8.648	33.844	8.639	26.290	175.8	0.183
100	8.566	33.878	8.556	26.330	172.2	0.201
110	8.339	33.947	8.328	26.419	163.9	0.218
120	8.067	34.015	8.055	26.513	155.1	0.234
130	8.037	34.045	8.024	26.541	152.6	0.249
140	7.988	34.059	7.975	26.559	151.1	0.264
150	7.772	34.057	7.757	26.590	148.3	0.279
175	7.566	34.067	7.549	26.628	145.0	0.316
200	7.477	34.077	7.458	26.649	143.5	0.352
225	7.396	34.102	7.374	26.680	140.9	0.387
250	7.435	34.136	7.411	26.702	139.2	0.422
300	7.174	34.151	7.146	26.751	135.3	0.491
400	6.195	34.159	6.160	26.889	123.0	0.620
500	5.799	34.212	5.756	26.982	115.2	0.738
600	5.510	34.239	5.460	27.040	110.7	0.849



STATION 108 AR 6

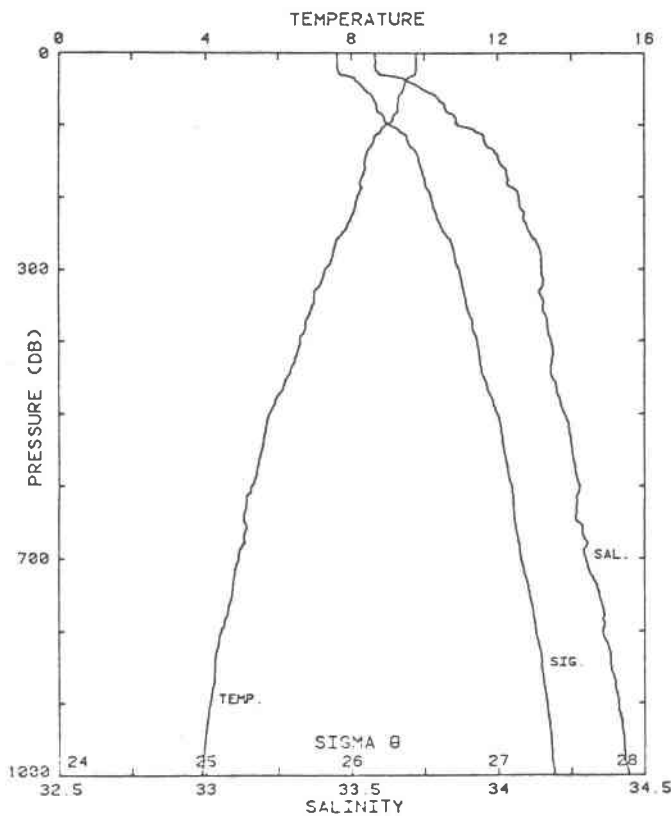
STA NO 108 AR 6 LAT: 38 52.2 N LONG: 124 2.3 W
 3 MAY 1981 0137 GMT PROBE 2567 DEPTH 1346M
 27.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.515	33.378	10.514	25.618	237.9	0.005
10	10.505	33.376	10.503	25.619	238.0	0.024
20	10.240	33.404	10.238	25.686	231.8	0.047
30	10.239	33.404	10.235	25.687	232.0	0.070
40	9.952	33.434	9.947	25.759	225.3	0.093
50	9.695	33.451	9.690	25.815	220.2	0.116
60	9.273	33.506	9.267	25.927	209.8	0.137
70	9.094	33.579	9.086	26.013	201.8	0.158
80	8.911	33.602	8.902	26.060	197.4	0.178
90	8.595	33.680	8.586	26.170	187.2	0.197
100	8.676	33.761	8.666	26.221	182.6	0.215
110	8.693	33.821	8.682	26.266	178.5	0.233
120	8.650	33.846	8.638	26.292	176.2	0.251
130	8.564	33.880	8.551	26.342	172.6	0.268
140	8.425	33.914	8.410	26.380	168.2	0.285
150	8.209	33.971	8.193	26.458	160.9	0.302
175	8.139	34.059	8.122	26.538	153.8	0.341
200	7.603	34.064	7.583	26.620	146.2	0.379
225	7.494	34.073	7.473	26.644	144.4	0.415
250	7.305	34.110	7.281	26.700	139.4	0.450
300	7.115	34.163	7.087	26.769	133.6	0.519
400	6.346	34.180	6.310	26.896	123.4	0.649
500	5.691	34.236	5.649	27.014	112.1	0.766
600	5.126	34.285	5.077	27.121	102.5	0.873
800	4.425	34.370	4.363	27.269	89.7	1.066
1000	3.956	34.433	3.880	27.369	81.2	1.238
1001	3.955	34.433	3.880	27.369	81.2	1.238



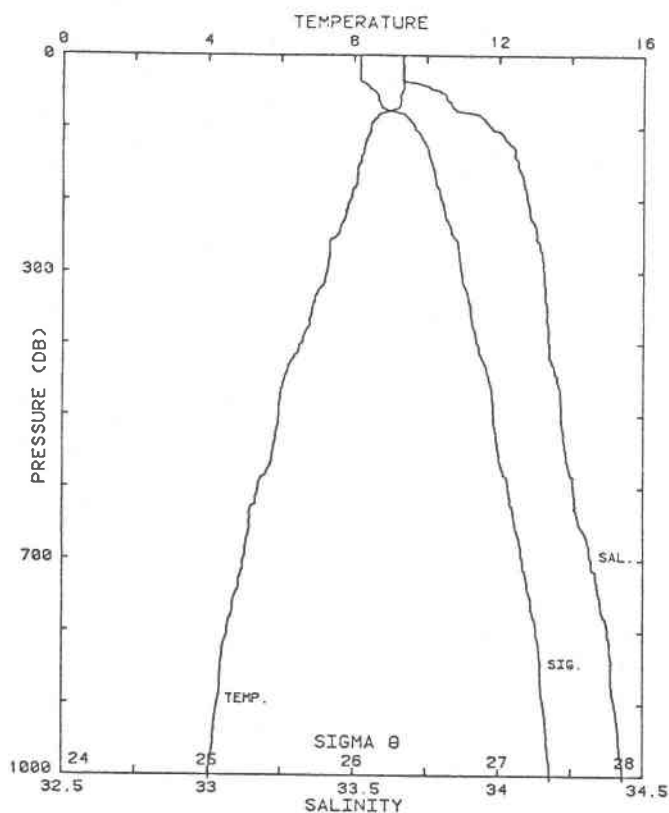
STA NO 109 AR 7 LAT: 38 50.7 N LONG:124 8.0 W
 3 MAY 1981 0312 GMT PROBE 2567 DEPTH 3690M
 37.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.931	33.328	10.930	25.507	248.5	0.002
10	10.929	33.328	10.928	25.507	248.7	0.025
20	10.925	33.327	10.923	25.508	248.8	0.050
30	10.917	33.328	10.913	25.510	248.9	0.075
40	10.833	33.335	10.829	25.530	247.1	0.099
50	10.506	33.347	10.501	25.597	241.0	0.124
60	9.424	33.409	9.417	25.827	219.2	0.146
70	9.338	33.447	9.330	25.870	215.3	0.168
80	9.232	33.512	9.223	25.939	209.0	0.189
90	9.083	33.560	9.073	26.000	203.4	0.210
100	8.907	33.615	8.894	26.071	196.8	0.230
110	8.824	33.667	8.812	26.125	191.9	0.249
120	8.845	33.748	8.832	26.185	186.4	0.268
130	8.793	33.775	8.780	26.214	183.8	0.287
140	8.763	33.790	8.749	26.231	182.4	0.305
150	8.714	33.821	8.698	26.263	179.6	0.323
175	8.542	33.943	8.523	26.386	168.3	0.366
200	8.208	34.032	8.188	26.506	157.3	0.407
225	7.826	34.040	7.804	26.570	151.5	0.446
250	7.445	34.062	7.421	26.643	144.9	0.483
300	7.276	34.117	7.247	26.710	139.2	0.554
400	6.454	34.174	6.419	26.868	125.3	0.686
500	5.717	34.216	5.675	26.995	113.9	0.805
600	5.175	34.256	5.126	27.093	105.2	0.914
800	4.429	34.378	4.367	27.275	89.2	1.107
1000	3.904	34.444	3.829	27.383	79.8	1.275



STA NO 110 NOR 7 LAT: 38 37.8 N LONG:123 58.1 W
 3 MAY 1981 0625 GMT PROBE 2567 DEPTH 1977M
 37.6 KM FROM SHORE

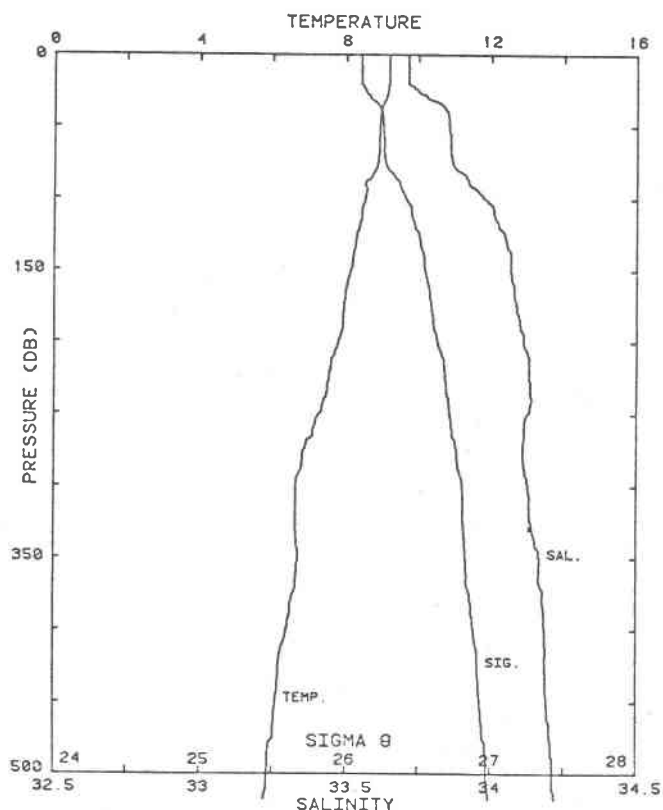
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.767	33.581	9.767	25.903	210.8	0.002
10	9.772	33.582	9.771	25.904	210.9	0.021
20	9.773	33.581	9.771	25.903	211.2	0.042
30	9.752	33.592	9.749	25.915	210.3	0.063
40	9.502	33.687	9.497	26.031	199.5	0.084
50	9.422	33.741	9.416	26.086	194.4	0.103
60	9.304	33.789	9.298	26.143	189.3	0.122
70	9.263	33.815	9.256	26.170	186.9	0.141
80	9.264	33.823	9.256	26.176	186.5	0.160
90	9.131	33.856	9.121	26.224	182.2	0.178
100	8.944	33.864	8.933	26.260	178.9	0.196
110	8.797	33.925	8.786	26.331	172.3	0.214
120	8.621	33.953	8.609	26.380	167.9	0.231
130	8.549	33.963	8.535	26.400	166.1	0.248
140	8.421	33.995	8.407	26.444	162.1	0.264
150	8.365	34.004	8.350	26.460	160.7	0.280
175	8.274	34.036	8.256	26.500	157.5	0.320
200	8.165	34.072	8.144	26.544	153.7	0.359
225	8.016	34.089	7.993	26.580	150.7	0.397
250	7.753	34.112	7.729	26.637	145.6	0.434
300	7.288	34.149	7.259	26.734	137.0	0.504
400	6.591	34.181	6.555	26.855	126.6	0.637
500	5.773	34.227	5.731	26.997	113.8	0.758
600	5.273	34.280	5.224	27.100	104.7	0.868
800	4.426	34.358	4.364	27.259	90.6	1.065
1000	3.893	34.445	3.818	27.385	79.6	1.234
1001	3.893	34.445	3.818	27.385	79.6	1.234



STATION 111 NOR 6

STA NO 111 NOR 6 LAT: 38 41.4 N LONG: 123 53.1 W
3 MAY 1981 0808 GMT PROBE 2567 DEPTH 1198M
27.9 KM FROM SHORE

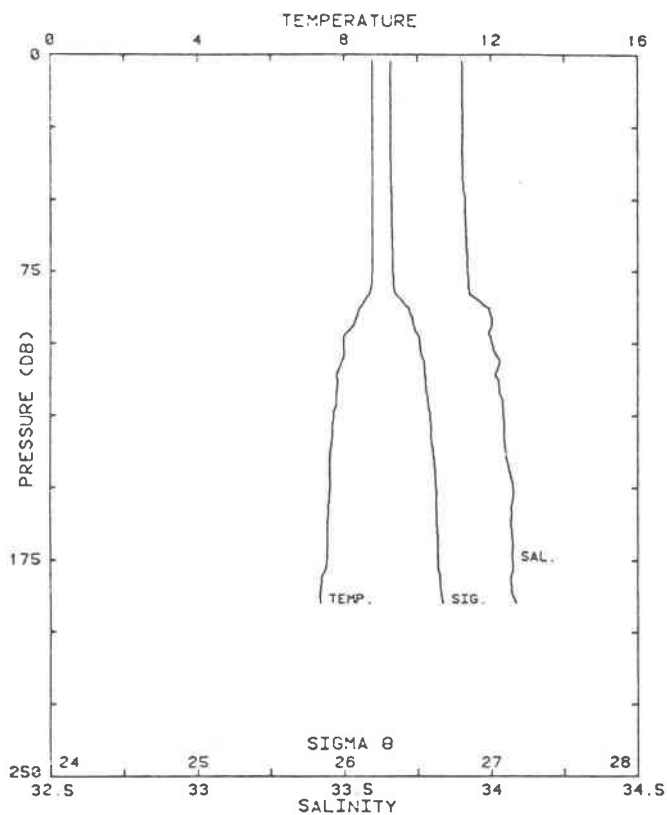
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.331	33.670	9.331	26.045	197.4	0.002
10	9.333	33.669	9.332	26.044	197.6	0.020
20	9.335	33.670	9.333	26.044	197.8	0.039
30	9.337	33.671	9.334	26.045	197.9	0.059
40	9.362	33.727	9.358	26.085	194.3	0.079
50	9.344	33.796	9.338	26.142	189.2	0.098
60	9.282	33.819	9.276	26.170	186.7	0.117
70	9.264	33.838	9.256	26.188	185.2	0.136
80	8.769	33.910	8.760	26.323	172.5	0.154
90	8.560	33.953	8.551	26.389	166.4	0.171
100	8.475	33.976	8.464	26.420	163.6	0.187
110	8.423	34.017	8.411	26.461	160.0	0.203
120	8.340	34.036	8.328	26.488	157.5	0.219
130	8.292	34.058	8.278	26.513	155.3	0.235
140	8.218	34.053	8.204	26.521	154.8	0.250
150	8.173	34.069	8.158	26.540	153.1	0.266
175	8.099	34.087	8.081	26.566	151.2	0.304
200	7.916	34.100	7.897	26.603	148.0	0.341
225	7.764	34.112	7.742	26.635	145.3	0.378
250	7.542	34.133	7.518	26.684	141.0	0.413
300	7.264	34.157	7.236	26.743	136.1	0.482
400	6.590	34.174	6.554	26.850	127.1	0.613
500	5.952	34.218	5.908	26.968	116.8	0.734
600	5.389	34.259	5.339	27.070	107.7	0.847
800	4.534	34.377	4.472	27.262	90.5	1.046
1000	4.036	34.429	3.960	27.358	82.5	1.218
1006	4.025	34.430	3.949	27.360	82.3	1.223



STATION 112 NOR 5

STA NO 112 NOR 5 LAT: 38 42.8 N LONG: 123 50.6 W
3 MAY 1981 0920 GMT PROBE 2567 DEPTH 523M
22.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.197	33.711	9.196	26.098	192.3	0.002
10	9.172	33.714	9.171	26.105	191.8	0.019
20	9.174	33.713	9.172	26.104	192.1	0.038
30	9.099	33.776	9.096	26.166	186.5	0.057
40	8.952	33.850	8.948	26.246	179.0	0.076
50	8.924	33.855	8.919	26.255	178.4	0.093
60	8.913	33.860	8.907	26.261	178.0	0.111
70	8.895	33.862	8.888	26.265	177.8	0.129
80	8.818	33.880	8.810	26.291	175.5	0.147
90	8.533	33.924	8.524	26.370	168.1	0.164
100	8.532	33.978	8.522	26.413	164.3	0.181
110	8.447	34.009	8.436	26.451	160.9	0.197
120	8.372	34.027	8.360	26.477	158.6	0.213
130	8.275	34.054	8.262	26.512	155.4	0.228
140	8.202	34.070	8.188	26.536	153.3	0.244
150	8.123	34.069	8.108	26.547	152.5	0.259
175	7.949	34.088	7.931	26.589	148.9	0.297
200	7.789	34.113	7.769	26.632	145.2	0.334
225	7.538	34.133	7.516	26.685	140.5	0.369
250	7.288	34.127	7.265	26.715	137.9	0.404
300	6.644	34.129	6.617	26.806	129.8	0.471
400	6.389	34.187	6.354	26.886	123.5	0.599
500	5.862	34.214	5.819	26.975	115.9	0.718
518	5.789	34.222	5.745	26.991	114.6	0.739

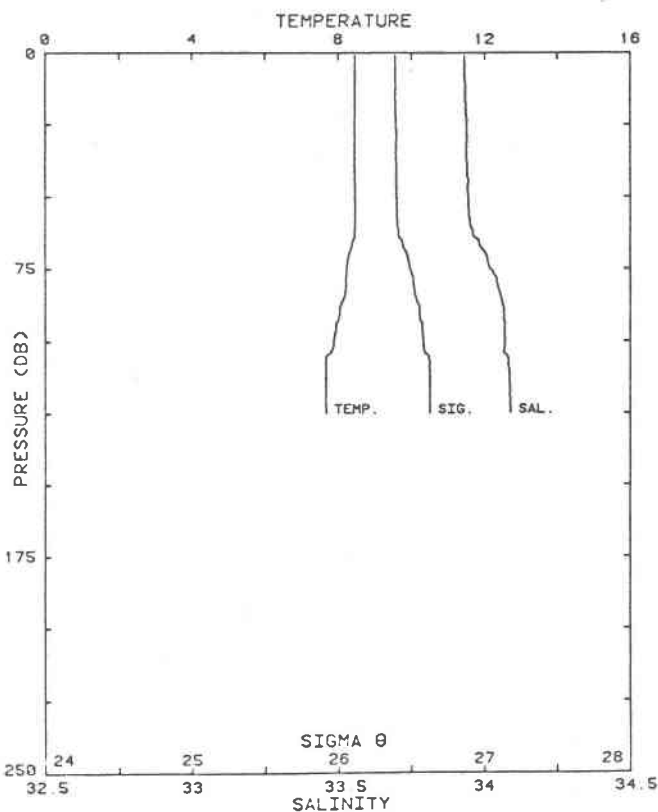


STA NO 113 NOR 4 LAT: 38 44.6 N LONG:123 48.0 W
 3 MAY 1981 1017 GHT PROBE 2567 DEPTH 193M
 18.3 KM FROM SHORE

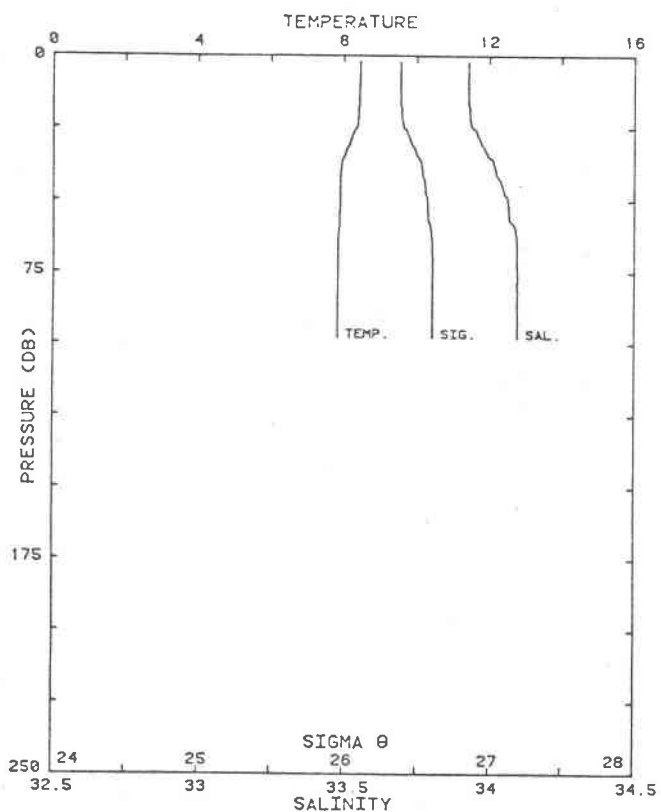
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
2	8.767	33.903	8.767	26.317	171.6	0.003
10	8.770	33.903	8.769	26.316	171.7	0.017
20	8.769	33.904	8.767	26.317	171.9	0.034
30	8.769	33.903	8.766	26.317	172.1	0.052
40	8.768	33.904	8.764	26.318	172.2	0.069
50	8.769	33.912	8.763	26.324	171.8	0.086
60	8.768	33.915	8.762	26.327	171.8	0.103
70	8.765	33.920	8.757	26.331	171.5	0.120
80	8.747	33.923	8.739	26.337	171.2	0.137
90	8.375	33.999	8.366	26.454	160.2	0.154
100	7.987	34.004	7.977	26.516	154.4	0.170
110	7.825	34.020	7.815	26.552	151.1	0.185
120	7.788	34.041	7.776	26.574	149.2	0.200
130	7.675	34.046	7.663	26.595	147.4	0.215
140	7.599	34.055	7.585	26.613	145.9	0.230
150	7.607	34.077	7.593	26.629	144.5	0.244
175	7.516	34.075	7.500	26.641	143.8	0.280
190	7.347	34.085	7.329	26.674	140.9	0.301

STA NO 114 NOR 3 LAT: 38 46.2 N LONG:123 45.0 W
 3 MAY 1981 1109 GHT PROBE 2567 DEPTH 129M
 13.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.451	33.932	8.451	26.388	164.7	0.002
10	8.453	33.933	8.452	26.389	164.9	0.016
20	8.448	33.936	8.446	26.392	164.7	0.033
30	8.443	33.940	8.440	26.396	164.6	0.049
40	8.448	33.941	8.444	26.396	164.7	0.066
50	8.453	33.944	8.448	26.398	164.8	0.082
60	8.452	33.952	8.446	26.404	164.3	0.099
70	8.286	34.007	8.279	26.473	158.0	0.115
80	8.202	34.044	8.194	26.515	154.2	0.131
90	8.043	34.067	8.034	26.557	150.4	0.146
100	7.879	34.071	7.869	26.584	147.9	0.161
110	7.657	34.086	7.646	26.628	143.9	0.175
120	7.666	34.090	7.655	26.630	143.9	0.190
125	7.669	34.090	7.657	26.630	144.0	0.197



STATION 114 NOR 3



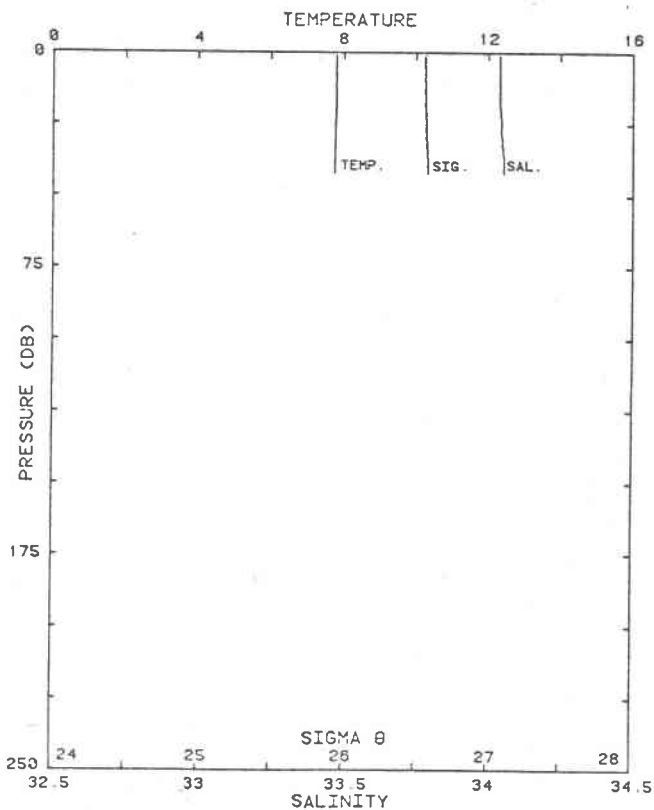
STATION 115 NOR 2

STA NO 115 NOR 2 LAT: 38 48.1 N LONG:123 42.7 W
 3 MAY 1981 1158 GMT PROBE 2567 DEPTH 102M
 8.1 KM FROM SHORE

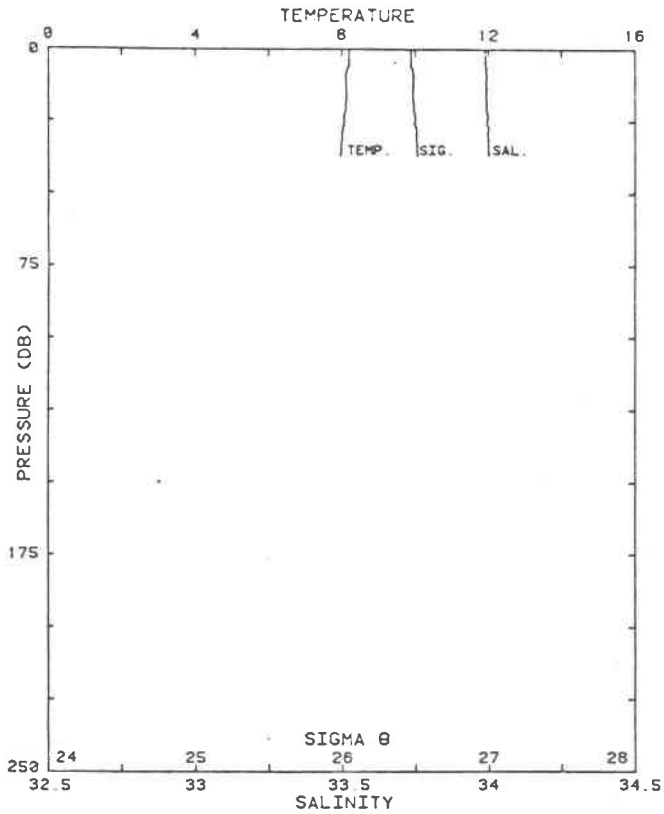
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
2	8.437	33.928	8.437	26.387	164.8	0.003
10	8.438	33.928	8.437	26.387	165.0	0.016
20	8.404	33.933	8.402	26.396	164.3	0.033
30	8.177	33.971	8.174	26.461	158.4	0.049
40	7.914	34.024	7.910	26.541	150.9	0.065
50	7.897	34.066	7.892	26.577	147.7	0.080
60	7.868	34.093	7.862	26.602	145.5	0.094
70	7.835	34.099	7.828	26.613	144.7	0.109
80	7.833	34.099	7.825	26.613	144.8	0.123
90	7.832	34.100	7.823	26.614	144.9	0.138
98	7.833	34.100	7.823	26.614	145.1	0.149

STA NO 116 NOR 1 LAT: 38 49.9 N LONG:123 40.1 W
 3 MAY 1981 1245 GMT PROBE 2567 DEPTH 47M
 3.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	7.788	34.038	7.788	26.571	147.4	0.001
10	7.781	34.038	7.780	26.572	147.5	0.015
20	7.776	34.041	7.775	26.575	147.4	0.029
30	7.760	34.046	7.758	26.581	147.0	0.044
40	7.740	34.052	7.736	26.589	146.4	0.059
42	7.739	34.052	7.735	26.589	146.4	0.062



STATION 116 NOR 1

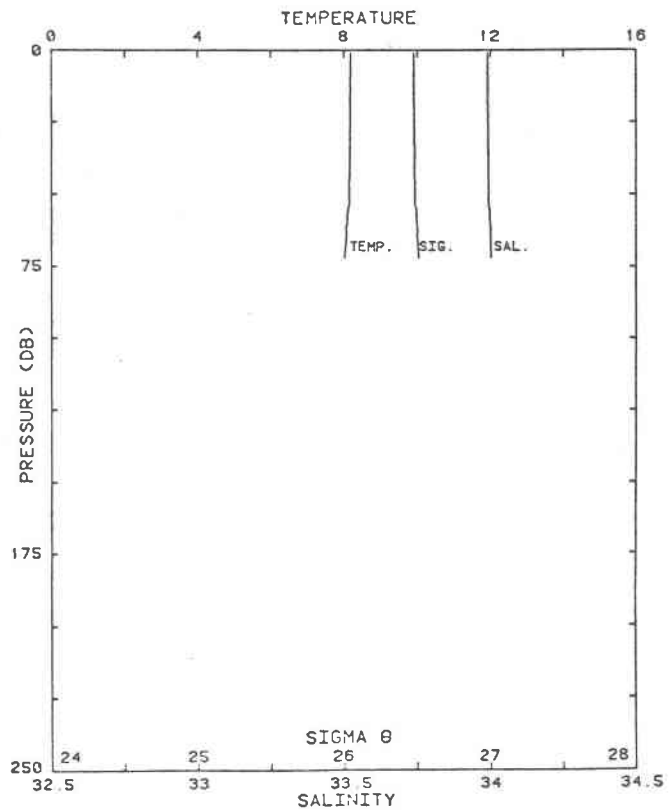


STA NO 117 COC 1 LAT: 38 39.8 N LONG: 123 25.5 W
 3 MAY 1981 1503 GMT PROBE 2567 DEPTH 42M
 1.1 KM FROM SHORE

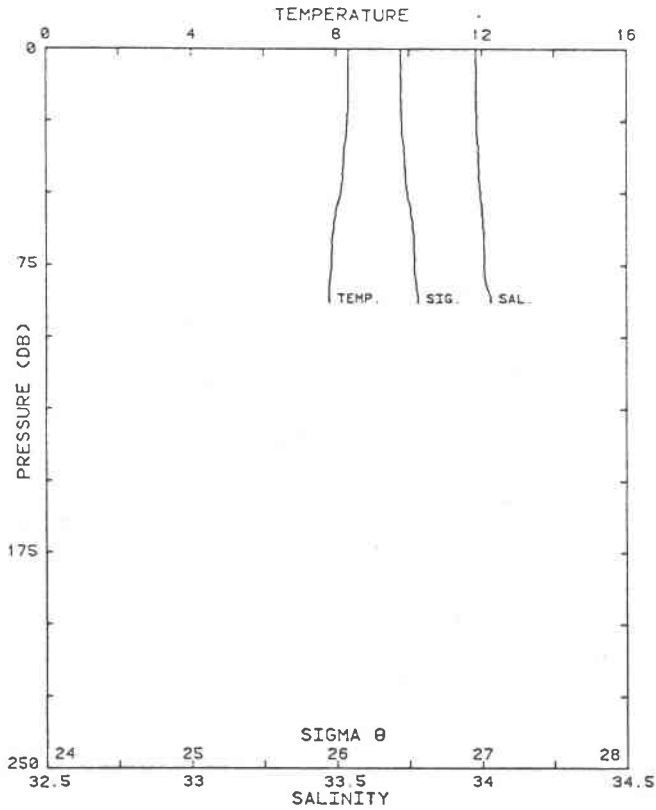
PRESS	TEMP	SAL.	POTEN	SIGMA	SVA	DELD
			TEMP	THETA		
0	8.206	33.991	8.206	26.471	156.8	0.000
10	8.100	33.994	8.099	26.490	155.2	0.016
20	8.102	33.994	8.100	26.490	155.4	0.031
30	8.003	33.999	8.000	26.509	153.8	0.047
37	7.958	34.002	7.955	26.518	153.1	0.057

STA NO 118 COC 2 LAT: 38 38.8 N LONG: 123 26.9 W
 3 MAY 1981 1544 GMT PROBE 2567 DEPTH 76M
 3.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
			TEMP	THETA		
1	8.183	33.991	8.183	26.475	156.5	0.002
10	8.170	33.991	8.169	26.477	156.5	0.016
20	8.162	33.991	8.160	26.478	156.5	0.031
30	8.157	33.992	8.154	26.480	156.6	0.047
40	8.150	33.993	8.146	26.482	156.6	0.063
50	8.143	33.994	8.138	26.484	156.6	0.078
60	8.073	33.999	8.067	26.498	155.4	0.094
70	8.023	34.002	8.016	26.508	154.6	0.109
72	8.008	34.003	8.001	26.511	154.4	0.112



STATION 118 COC 2



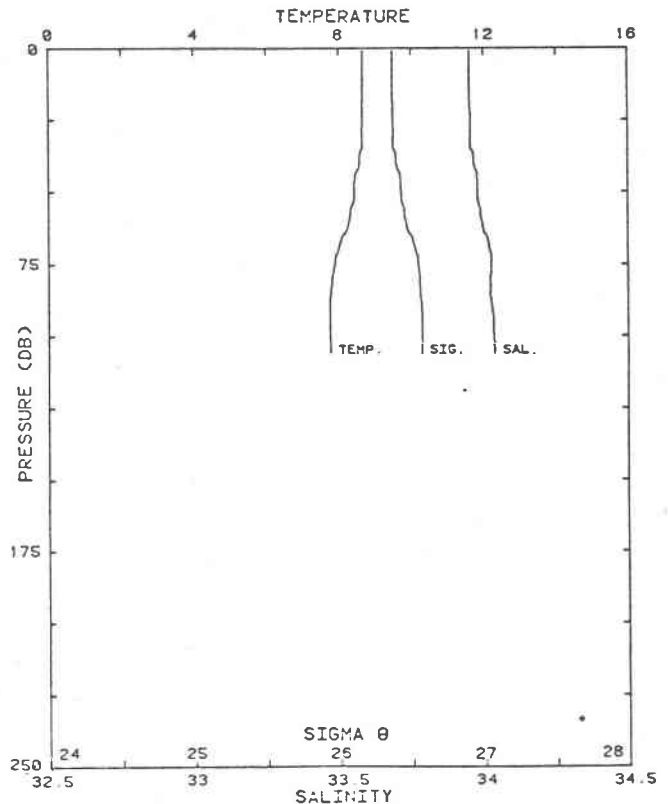
STATION 119 COC 3

STA NO 119 COC 3 LAT: 38 37.5 N LONG: 123 28.9 W
 3 MAY 1981 1615 GMT PROBE 2567 DEPTH 91M
 7.4 KM FROM SHORE

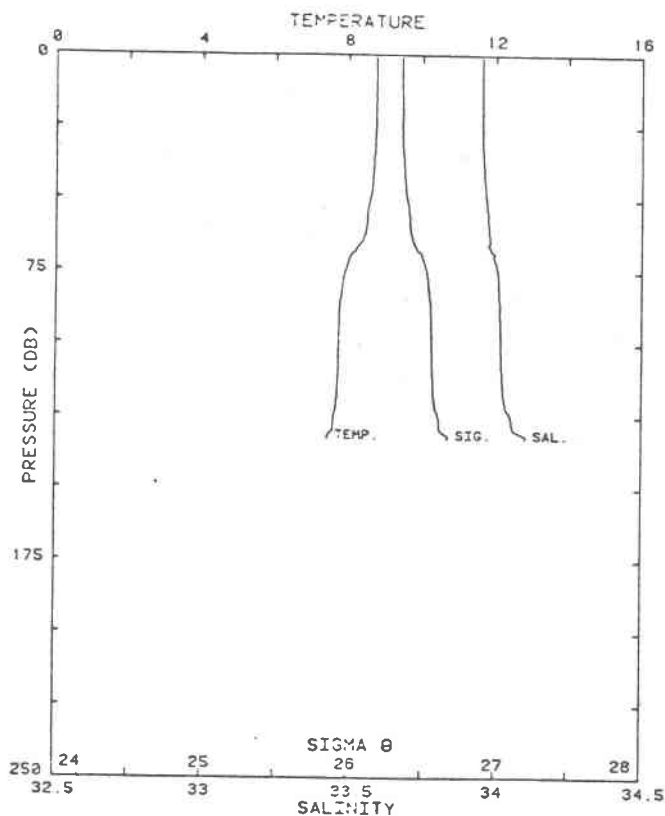
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	8.339	33.981	8.339	26.443	159.5	0.000
10	8.330	33.982	8.329	26.445	159.5	0.016
20	8.327	33.982	8.325	26.446	159.6	0.032
30	8.279	33.983	8.276	26.455	159.0	0.048
40	8.200	33.990	8.196	26.472	157.5	0.064
50	8.108	33.997	8.103	26.492	155.8	0.079
60	7.926	34.006	7.920	26.526	152.7	0.095
70	7.870	34.009	7.863	26.537	151.9	0.110
80	7.823	34.013	7.816	26.547	151.1	0.125
88	7.806	34.033	7.798	26.565	149.5	0.137

STA NO 120 COC 4 LAT: 38 36.2 N LONG: 123 30.8 W
 3 MAY 1981 1650 GMT PROBE 2567 DEPTH 108M
 10.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.667	33.953	8.667	26.371	166.4	0.002
10	8.666	33.953	8.665	26.371	166.5	0.017
20	8.656	33.954	8.654	26.374	166.4	0.033
30	8.644	33.957	8.641	26.378	166.2	0.050
40	8.582	33.967	8.578	26.396	164.7	0.066
50	8.432	33.980	8.427	26.430	161.7	0.083
60	8.290	33.994	8.284	26.462	158.9	0.099
70	7.988	34.021	7.981	26.528	152.7	0.114
80	7.802	34.022	7.794	26.557	150.1	0.129
90	7.745	34.028	7.736	26.570	149.1	0.144
100	7.752	34.034	7.743	26.574	148.9	0.159
106	7.767	34.038	7.757	26.575	148.9	0.168



STATION 120 COC 4



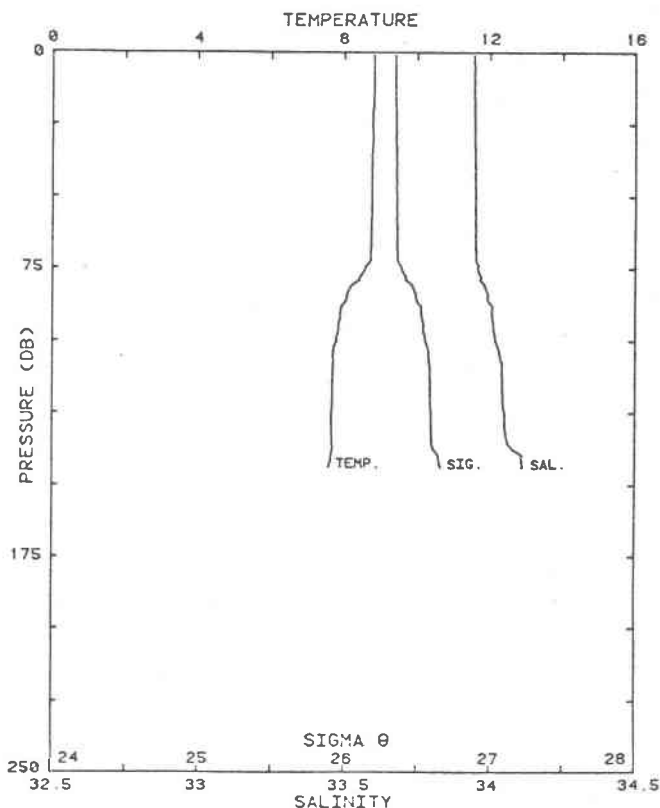
STATION 121 COC 5

STA NO 121 COC 5 LAT: 38 34.7 N LONG:123 33.3 W
3 MAY 1981 1729 GMT PROBE 2567 DEPTH 132M
15.5 KM FROM SHORE

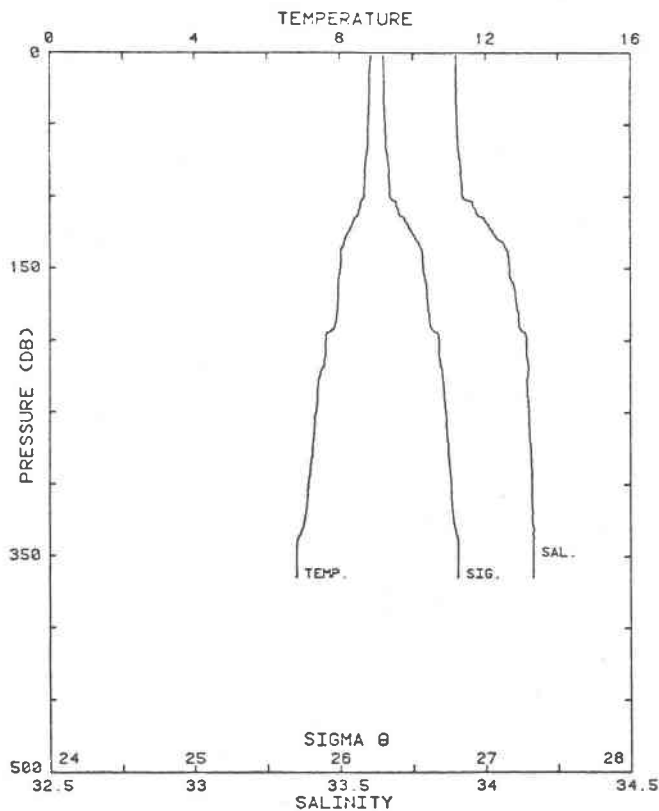
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.746	33.953	8.746	26.359	167.5	0.002
10	8.745	33.954	8.744	26.360	167.6	0.017
20	8.727	33.955	8.725	26.364	167.4	0.034
30	8.721	33.955	8.718	26.364	167.6	0.050
40	8.665	33.961	8.661	26.378	166.5	0.067
50	8.582	33.969	8.577	26.398	164.8	0.084
60	8.479	33.978	8.473	26.421	162.8	0.100
70	8.034	33.994	8.027	26.501	155.3	0.116
80	7.829	34.011	7.821	26.544	151.3	0.131
90	7.737	34.017	7.729	26.562	149.8	0.146
100	7.719	34.020	7.709	26.568	149.5	0.161
110	7.706	34.024	7.695	26.573	149.1	0.176
120	7.659	34.033	7.647	26.587	148.0	0.191
130	7.556	34.062	7.544	26.625	144.5	0.206
133	7.413	34.104	7.400	26.678	139.5	0.210

STA NO 122 COC 6 LAT: 38 32.7 N LONG:123 36.2 W
3 MAY 1981 1809 GMT PROBE 2567 DEPTH 148M
21.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.792	33.945	8.792	26.346	168.8	0.002
10	8.793	33.946	8.792	26.346	168.9	0.017
20	8.765	33.947	8.763	26.352	168.6	0.034
30	8.764	33.948	8.761	26.353	168.7	0.051
40	8.745	33.950	8.741	26.357	168.4	0.067
50	8.741	33.951	8.736	26.359	168.5	0.084
60	8.733	33.952	8.727	26.361	168.5	0.101
70	8.713	33.953	8.705	26.365	168.3	0.118
80	8.304	33.976	8.296	26.447	160.7	0.135
90	7.898	34.008	7.889	26.532	152.7	0.150
100	7.784	34.020	7.774	26.558	150.4	0.165
110	7.689	34.044	7.678	26.591	147.4	0.180
120	7.676	34.047	7.664	26.596	147.2	0.195
130	7.657	34.053	7.644	26.603	146.6	0.210
140	7.641	34.112	7.628	26.652	142.2	0.224
144	7.568	34.118	7.554	26.667	140.8	0.230



STATION 122 COC 6



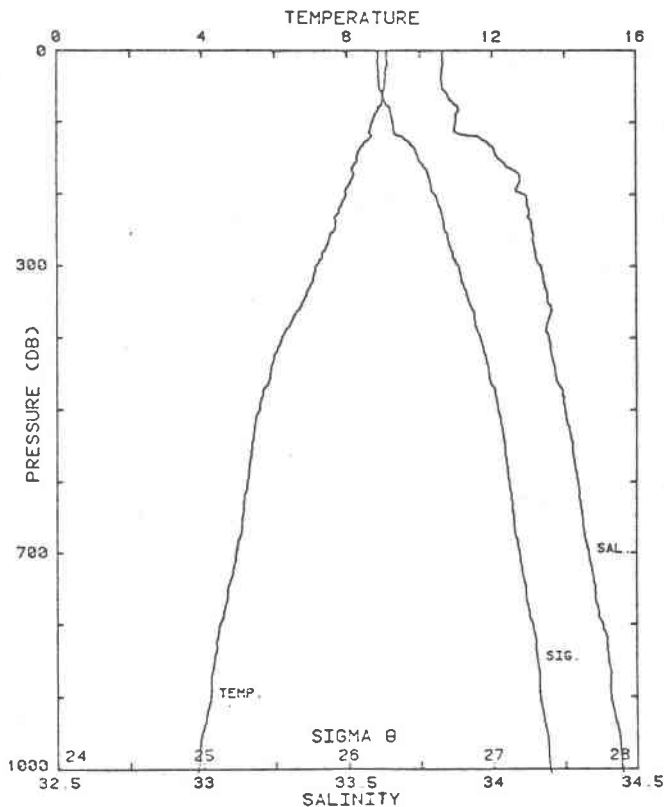
STATION 123 COC 7

STA NO 123 COC 7 LAT: 38 30.4 N LONG:123 39.6 W
 3 MAY 1981 1901 GMT PROBE 2567 DEPTH 367M
 27.8 KM FROM SHORE

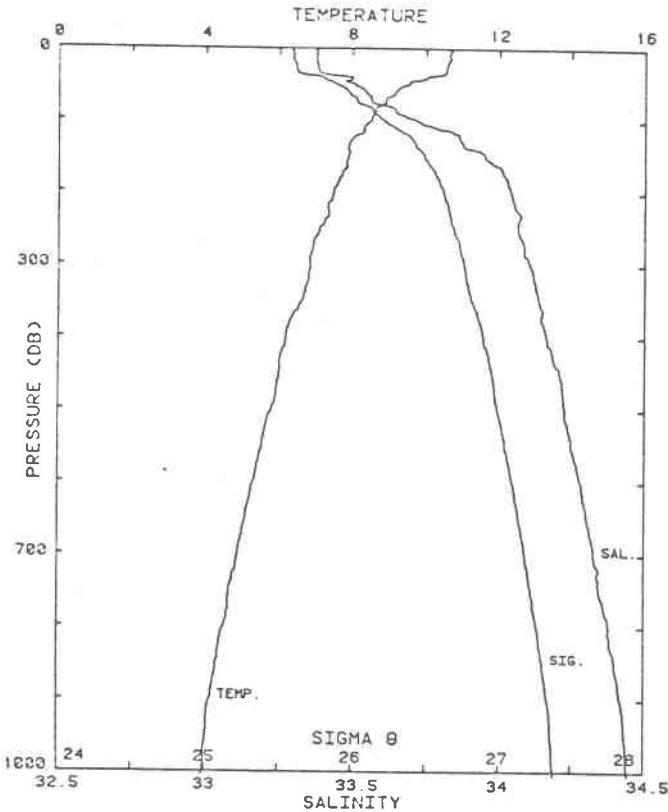
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	8.865	33.899	8.865	26.298	173.3	0.003
10	8.842	33.899	8.841	26.302	173.1	0.017
20	8.822	33.900	8.820	26.306	172.9	0.035
30	8.821	33.900	8.818	26.306	173.1	0.052
40	8.806	33.902	8.802	26.310	172.9	0.069
50	8.788	33.903	8.783	26.314	172.7	0.087
60	8.778	33.906	8.772	26.318	172.6	0.104
70	8.743	33.910	8.735	26.327	171.9	0.121
80	8.705	33.916	8.697	26.338	171.1	0.138
90	8.696	33.919	8.686	26.341	170.9	0.155
100	8.670	33.923	8.659	26.349	170.4	0.172
110	8.540	33.969	8.529	26.405	165.2	0.189
120	8.336	34.013	8.324	26.471	159.2	0.205
130	8.147	34.044	8.134	26.524	154.2	0.221
140	8.037	34.080	8.023	26.568	150.2	0.236
150	8.020	34.084	8.005	26.575	149.8	0.251
175	7.942	34.109	7.925	26.606	147.2	0.288
200	7.605	34.143	7.585	26.682	140.4	0.324
225	7.448	34.148	7.426	26.709	138.2	0.359
250	7.333	34.151	7.309	26.728	136.7	0.394
300	7.124	34.162	7.096	26.766	133.8	0.461
365	6.792	34.164	6.759	26.814	130.1	0.547

STA NO 124 COC 8 LAT: 38 27.1 N LONG:123 44.5 W
 3 MAY 1981 2008 GMT PROBE 2567 DEPTH 1171M
 37.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	9.084	33.828	9.083	26.208	181.9	0.004
10	9.071	33.828	9.070	26.210	181.9	0.018
20	9.097	33.830	9.095	26.208	182.3	0.036
30	9.041	33.827	9.038	26.214	181.9	0.055
40	9.034	33.825	9.029	26.214	182.0	0.073
50	9.021	33.827	9.016	26.218	181.9	0.091
60	8.969	33.845	8.962	26.240	180.0	0.109
70	8.956	33.857	8.948	26.252	179.1	0.127
80	8.831	33.882	8.823	26.291	175.5	0.145
90	8.751	33.877	8.741	26.300	174.9	0.162
100	8.683	33.874	8.673	26.309	174.2	0.180
110	8.628	33.870	8.616	26.314	173.9	0.197
120	8.655	33.947	8.643	26.370	168.8	0.214
130	8.447	33.988	8.434	26.434	162.9	0.231
140	8.303	34.009	8.289	26.473	159.3	0.247
150	8.257	34.020	8.242	26.489	158.0	0.263
175	8.151	34.095	8.133	26.564	151.3	0.302
200	7.955	34.106	7.936	26.602	148.1	0.339
225	7.756	34.127	7.733	26.648	144.1	0.376
250	7.642	34.137	7.617	26.673	142.2	0.411
300	7.123	34.166	7.095	26.770	133.5	0.480
400	6.197	34.195	6.162	26.917	120.4	0.608
500	5.578	34.250	5.536	27.039	109.6	0.723
600	5.236	34.295	5.187	27.116	103.2	0.829
800	4.467	34.380	4.405	27.272	89.5	1.023
1000	3.848	34.448	3.773	27.392	78.8	1.191
1006	3.828	34.450	3.754	27.396	78.5	1.196



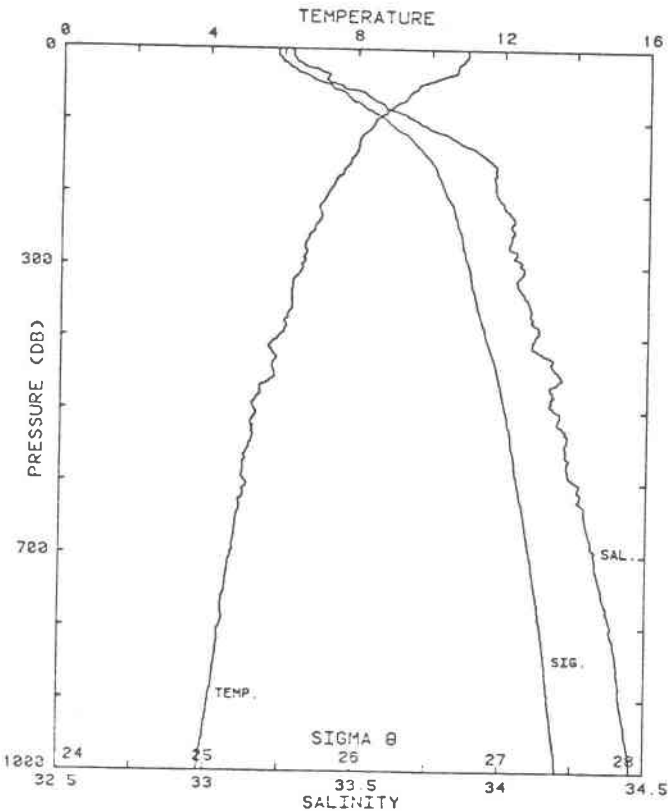
STATION 124 COC 8



STATION 125 COC 9

STA NO 125 COC 9 LAT: 38 24.1 N LONG: 123 49.2 W
 3 MAY 1981 2142 GMT PROBE 2567 DEPTH 1688M
 45.7 KM FROM SHORE

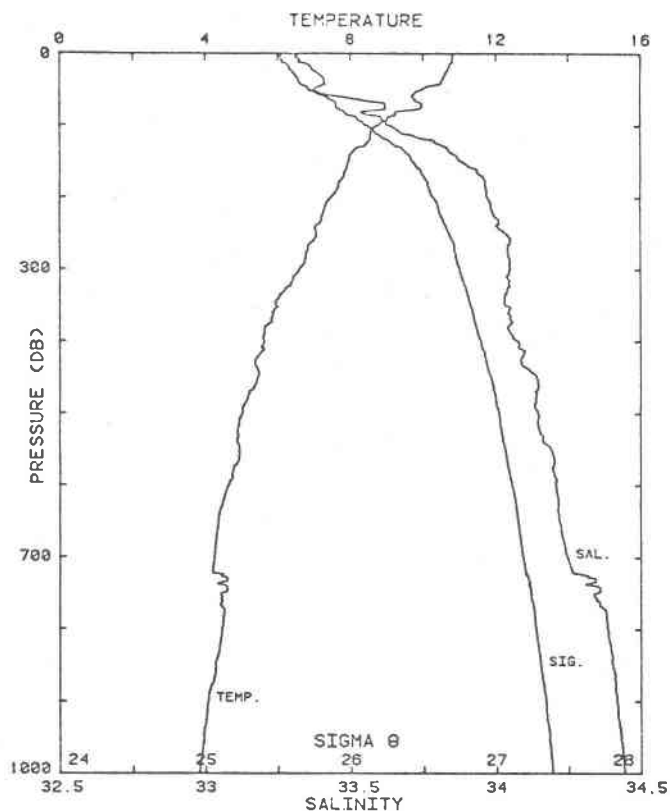
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.689	33.376	10.689	25.587	240.9	0.002
10	10.640	33.378	10.638	25.597	240.1	0.024
20	10.612	33.377	10.609	25.602	239.9	0.048
30	10.551	33.382	10.548	25.616	238.7	0.072
40	10.037	33.493	10.032	25.791	222.4	0.096
50	9.560	33.506	9.554	25.881	214.0	0.117
60	9.190	33.544	9.184	25.970	205.6	0.138
70	8.913	33.563	8.906	26.029	200.2	0.159
80	8.729	33.619	8.721	26.101	193.5	0.178
90	8.609	33.649	8.600	26.144	189.7	0.197
100	8.508	33.721	8.497	26.216	183.0	0.216
110	8.324	33.783	8.313	26.292	175.9	0.234
120	8.116	33.866	8.104	26.389	166.8	0.251
130	7.925	33.874	7.912	26.424	163.7	0.268
140	7.894	33.917	7.880	26.462	160.2	0.284
150	7.895	33.954	7.880	26.491	157.7	0.300
175	7.715	34.018	7.698	26.568	150.8	0.338
200	7.480	34.041	7.461	26.620	146.1	0.375
225	7.351	34.066	7.329	26.659	142.9	0.412
250	7.097	34.067	7.073	26.695	139.7	0.447
300	6.838	34.105	6.811	26.761	134.1	0.515
400	6.184	34.165	6.149	26.895	122.4	0.644
500	5.799	34.228	5.757	26.994	114.1	0.761
600	5.317	34.282	5.267	27.096	105.1	0.871
800	4.528	34.379	4.466	27.265	90.3	1.066
1000	3.945	34.443	3.870	27.378	80.3	1.234
1006	3.914	34.445	3.839	27.383	79.9	1.239



STATION 126 COC10

STA NO 126 COC10 LAT: 38 20.9 N LONG: 123 54.3 W
 3 MAY 1981 2315 GMT PROBE 2567 DEPTH 2244M
 55.7 KM FROM SHORE

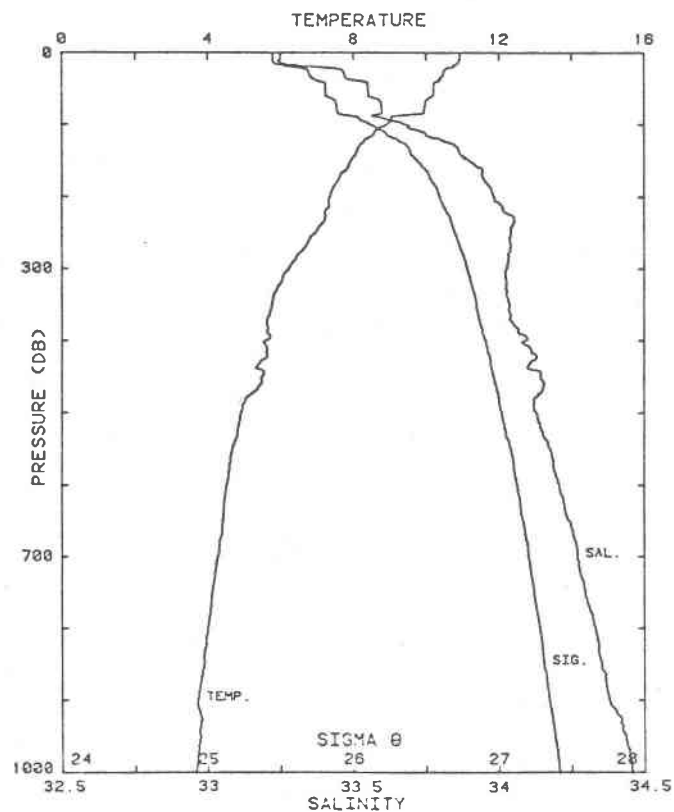
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	10.990	33.272	10.990	25.452	253.6	0.000
10	10.995	33.278	10.994	25.457	253.5	0.025
20	10.800	33.305	10.798	25.512	248.4	0.050
30	10.696	33.367	10.693	25.579	242.3	0.075
40	10.271	33.396	10.267	25.676	233.3	0.099
50	9.693	33.431	9.688	25.800	221.7	0.122
60	9.458	33.517	9.452	25.905	211.8	0.143
70	9.315	33.553	9.308	25.958	207.1	0.164
80	8.982	33.595	8.974	26.043	199.1	0.185
90	8.767	33.655	8.758	26.124	191.6	0.204
100	8.486	33.701	8.476	26.203	184.1	0.223
110	8.376	33.742	8.364	26.253	179.6	0.241
120	8.129	33.810	8.117	26.343	171.2	0.259
130	8.049	33.849	8.036	26.386	167.3	0.276
140	8.010	33.907	7.996	26.437	162.7	0.292
150	7.884	33.941	7.869	26.483	158.4	0.308
175	7.578	33.974	7.561	26.553	152.2	0.347
200	7.215	33.977	7.196	26.608	147.2	0.384
225	7.037	34.024	7.016	26.669	141.7	0.420
250	6.855	34.037	6.832	26.705	138.7	0.455
300	6.537	34.064	6.510	26.769	133.1	0.523
400	5.885	34.112	5.851	26.892	122.4	0.651
500	5.277	34.188	5.236	27.026	110.4	0.767
600	5.051	34.262	5.002	27.112	103.3	0.874
800	4.378	34.385	4.317	27.286	88.0	1.064
1000	3.812	34.452	3.738	27.399	78.1	1.231
1001	3.801	34.454	3.727	27.402	77.8	1.231



STATION 127 COC11

STA NO 127 COC11 LAT: 38 17.6 N LONG: 123 59.3 W
 4 MAY 1981 0101 GMT PROBE 2567 DEPTH 3332M
 65.1 KM FROM SHORE

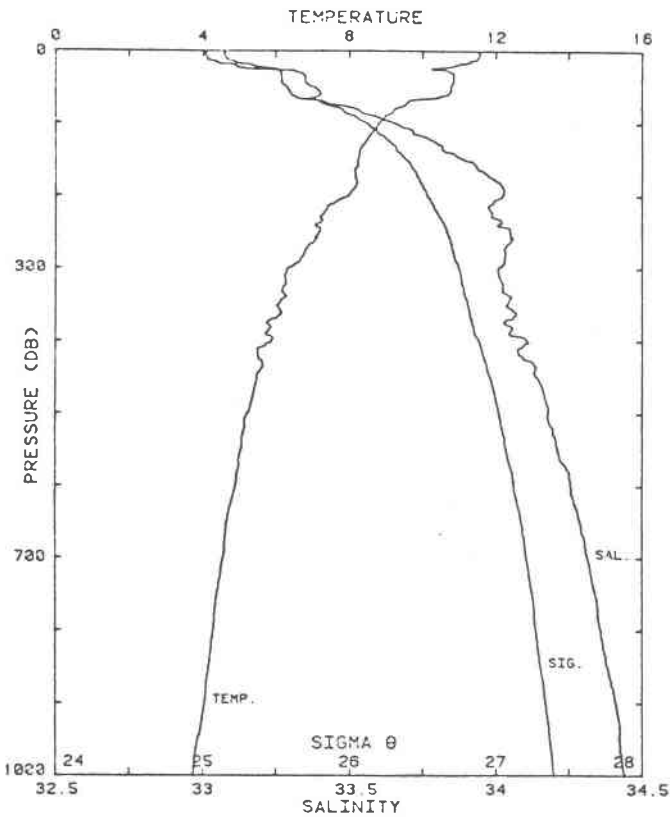
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
2	10.809	33.316	10.809	25.519	247.3	0.005
10	10.792	33.325	10.790	25.529	246.5	0.025
20	10.698	33.364	10.696	25.576	242.3	0.049
30	10.595	33.393	10.592	25.617	238.6	0.073
40	10.508	33.410	10.503	25.645	236.2	0.097
50	9.964	33.374	9.959	25.711	230.2	0.120
60	9.686	33.454	9.679	25.819	220.0	0.143
70	9.969	33.620	9.961	25.901	212.5	0.164
80	9.366	33.558	9.357	25.953	207.7	0.186
90	9.018	33.608	9.008	26.048	198.8	0.206
100	8.709	33.641	8.698	26.123	191.9	0.226
110	8.554	33.672	8.543	26.171	187.4	0.245
120	8.525	33.776	8.512	26.257	179.5	0.263
130	8.245	33.832	8.231	26.343	171.4	0.281
140	8.012	33.853	7.998	26.394	166.7	0.297
150	7.930	33.885	7.916	26.432	163.3	0.314
175	7.750	33.960	7.732	26.517	155.6	0.354
200	7.446	33.972	7.426	26.570	150.9	0.392
225	7.212	33.994	7.190	26.621	146.4	0.429
250	7.037	34.035	7.014	26.678	141.3	0.465
300	6.583	34.049	6.556	26.751	134.9	0.534
400	5.611	34.079	5.578	26.899	121.5	0.662
500	5.019	34.148	4.980	27.024	110.3	0.778
600	4.645	34.207	4.598	27.114	102.4	0.885
800	4.455	34.386	4.393	27.278	88.9	1.075
1000	3.820	34.445	3.746	27.392	78.7	1.242



STATION 128 COC12

STA NO 128 COC12 LAT: 38 14.3 N LONG: 124 4.3 W
 4 MAY 1981 0231 GMT PROBE 2567 DEPTH 3584M
 74.6 KM FROM SHORE

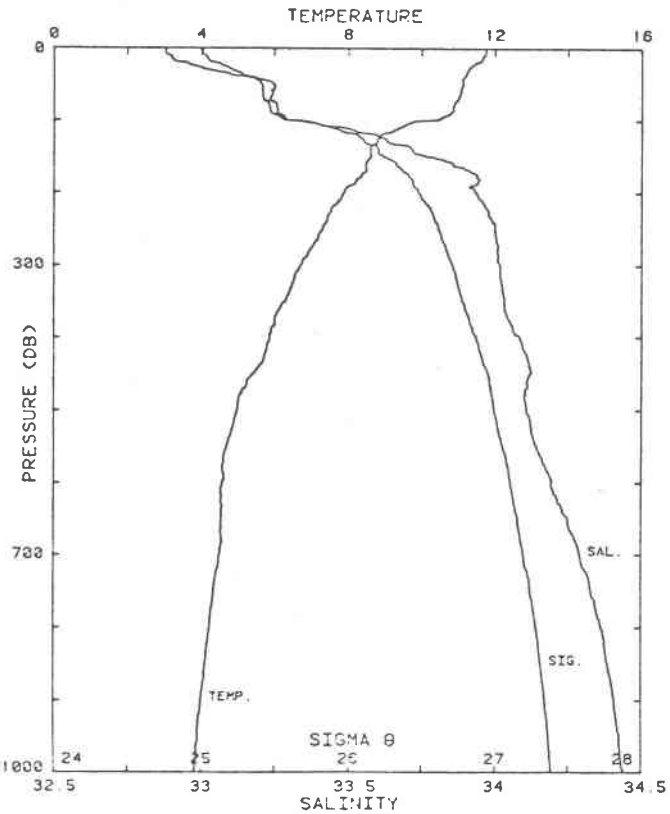
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.930	33.252	10.930	25.448	254.1	0.003
10	10.927	33.250	10.926	25.447	254.4	0.025
20	10.765	33.339	10.762	25.545	245.3	0.051
30	10.473	33.468	10.469	25.696	231.1	0.074
40	10.395	33.525	10.391	25.754	225.8	0.097
50	10.204	33.552	10.199	25.803	220.9	0.119
60	10.194	33.552	10.187	25.811	220.9	0.141
70	9.969	33.595	9.961	25.883	214.3	0.163
80	9.952	33.598	9.943	25.888	214.0	0.184
90	9.035	33.593	9.025	26.033	200.2	0.205
100	8.907	33.679	8.897	26.121	192.1	0.225
110	8.584	33.736	8.573	26.216	183.1	0.244
120	8.337	33.794	8.325	26.299	175.4	0.262
130	8.161	33.850	8.148	26.370	168.8	0.279
140	8.075	33.865	8.061	26.395	166.7	0.296
150	7.928	33.898	7.914	26.442	162.3	0.312
175	7.600	33.947	7.583	26.529	154.4	0.352
200	7.340	33.985	7.321	26.596	148.4	0.389
225	7.225	34.042	7.204	26.657	143.0	0.426
250	6.946	34.043	6.923	26.697	139.4	0.461
300	6.212	34.026	6.186	26.782	131.7	0.529
400	5.585	34.091	5.552	26.912	120.3	0.655
500	4.911	34.130	4.871	27.022	110.3	0.770
600	4.505	34.209	4.459	27.131	100.7	0.876
800	3.999	34.331	3.940	27.282	87.6	1.064
1000	3.659	34.457	3.586	27.418	75.9	1.228
1001	3.655	34.458	3.582	27.419	75.8	1.228



STATION 129 COC13

STA NO 129 COC13 LAT: 38 7.8 N LONG:124 14.1 W
 4 MAY 1981 0412 GMT PROBE 2567 DEPTH 3735M
 93.4 NM FROM SHORE

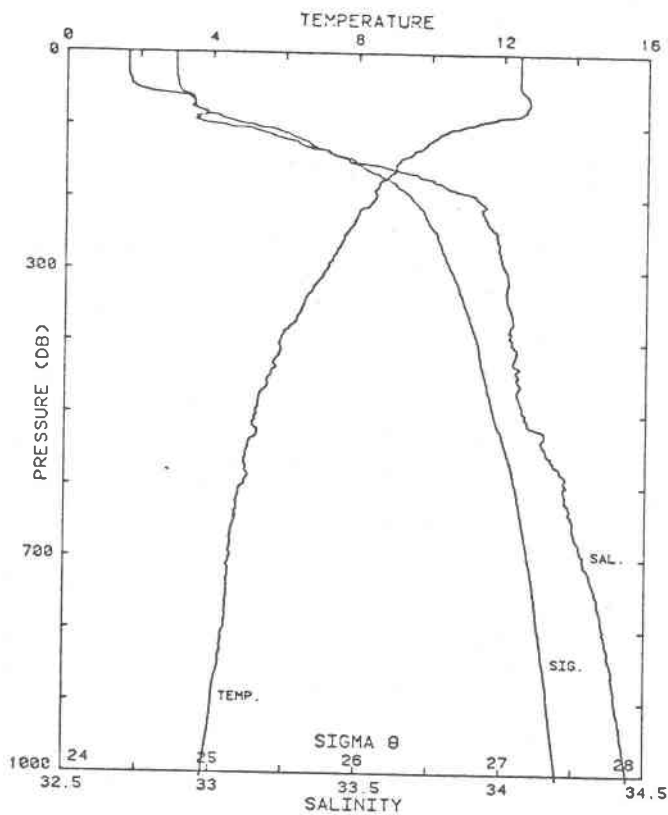
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
			TEMP	THETA		
1	11.549	33.009	11.549	25.148	282.6	0.003
10	11.497	33.018	11.495	25.165	281.2	0.028
20	10.925	33.114	10.923	25.342	264.6	0.056
30	10.828	33.335	10.824	25.531	246.9	0.081
40	10.848	33.351	10.843	25.540	246.2	0.106
50	10.770	33.384	10.764	25.580	242.7	0.130
60	10.697	33.401	10.690	25.606	240.4	0.154
70	9.620	33.414	9.613	25.799	222.1	0.178
80	9.257	33.521	9.248	25.942	208.7	0.199
90	8.978	33.587	8.968	26.038	199.8	0.220
100	8.803	33.657	8.793	26.120	192.1	0.239
110	8.665	33.717	8.654	26.188	185.8	0.258
120	8.514	33.765	8.502	26.250	180.1	0.277
130	8.370	33.814	8.356	26.310	174.6	0.295
140	8.293	33.837	8.279	26.340	171.9	0.312
150	8.243	33.892	8.228	26.391	167.3	0.329
175	8.179	33.985	8.162	26.473	159.9	0.370
200	7.987	34.024	7.967	26.533	154.6	0.409
225	7.301	33.988	7.280	26.604	148.0	0.447
250	7.187	34.050	7.164	26.669	142.2	0.483
300	6.334	34.008	6.307	26.751	134.7	0.552
400	5.872	34.106	5.838	26.888	122.8	0.682
500	5.238	34.180	5.198	27.024	110.5	0.798
600	4.908	34.257	4.860	27.124	101.9	0.904
800	4.284	34.360	4.223	27.275	88.8	1.093
1000	3.719	34.440	3.645	27.399	77.9	1.259
1001	3.717	34.440	3.644	27.399	77.9	1.260



STATION 130 COC14

STA NO 130 COC14 LAT: 38 1.3 N LONG:124 23.9 W
 4 MAY 1981 0551 GMT PROBE 2567 DEPTH 3829M
 112.5 NM FROM SHORE 2 MIN. GAP AT 442M

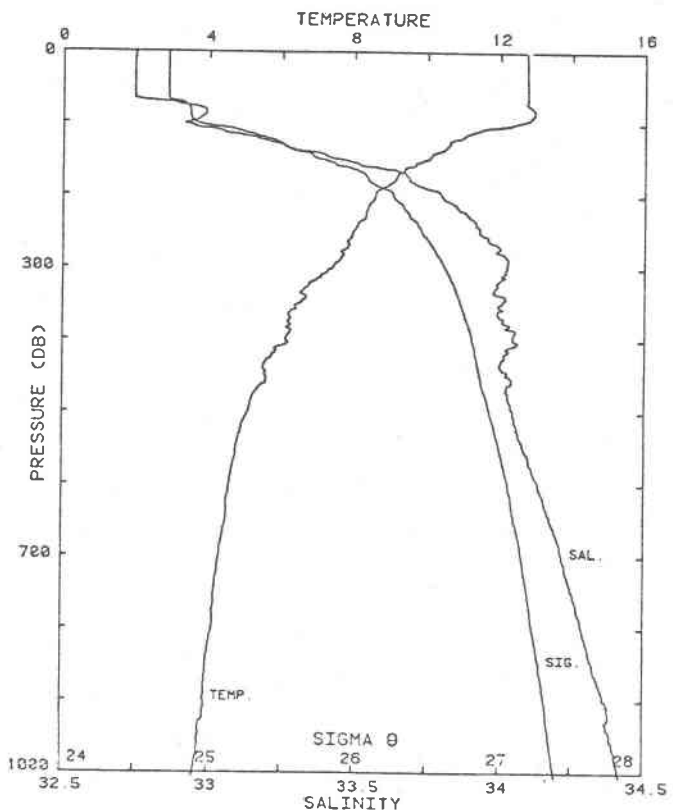
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
			TEMP	THETA		
1	11.753	32.878	11.753	25.009	295.9	0.003
10	11.710	32.890	11.708	25.026	294.4	0.030
20	11.544	32.930	11.541	25.088	288.7	0.059
30	11.265	33.022	11.261	25.210	277.4	0.087
40	11.164	33.163	11.159	25.338	265.5	0.114
50	11.128	33.249	11.121	25.412	258.7	0.140
60	11.057	33.244	11.049	25.421	258.1	0.166
70	10.990	33.234	10.982	25.425	257.9	0.192
80	10.850	33.256	10.840	25.467	254.1	0.217
90	10.771	33.259	10.760	25.484	252.7	0.243
100	9.951	33.325	9.940	25.676	234.5	0.268
110	9.393	33.484	9.381	25.892	214.1	0.290
120	8.874	33.593	8.862	26.059	198.3	0.311
130	8.773	33.634	8.760	26.107	193.9	0.330
140	8.586	33.717	8.571	26.201	185.2	0.349
150	8.595	33.768	8.579	26.240	181.7	0.368
175	8.351	33.939	8.333	26.411	165.8	0.411
200	7.860	33.937	7.841	26.484	159.2	0.451
225	7.531	33.979	7.510	26.564	151.9	0.490
250	7.290	34.000	7.266	26.616	147.3	0.528
300	6.684	34.018	6.657	26.713	138.6	0.599
400	5.867	34.086	5.833	26.873	124.2	0.731
500	4.987	34.109	4.948	26.997	112.8	0.849
600	4.570	34.193	4.524	27.111	102.6	0.956
800	4.230	34.365	4.169	27.286	87.7	1.147
1000	3.812	34.442	3.738	27.391	78.8	1.312



STATION 131 COC15

STA NO 131 COC15 LAT: 37 52.0 N LONG:124 38.5 W
 4 MAY 1981 0809 GMT PROBE 2567 DEPTH 3966M
 139.7 KM FROM SHORE

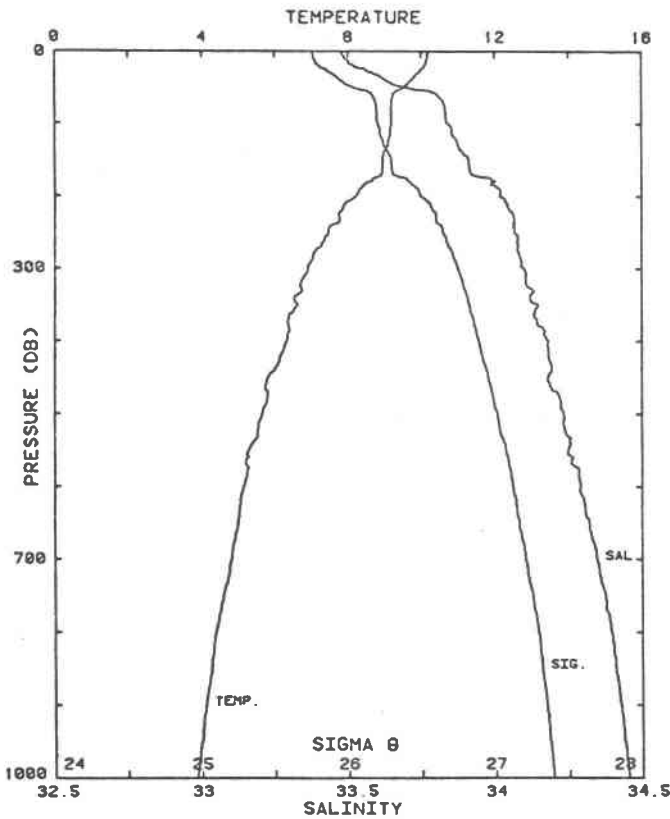
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	12.453	32.710	12.453	24.747	320.8	0.003
10	12.462	32.709	12.461	24.745	321.2	0.032
20	12.465	32.710	12.462	24.745	321.4	0.064
30	12.465	32.711	12.461	24.746	321.6	0.096
40	12.453	32.720	12.447	24.756	320.9	0.129
50	12.501	32.747	12.495	24.768	320.1	0.161
60	12.700	32.905	12.693	24.852	312.4	0.192
70	12.719	32.939	12.710	24.874	310.5	0.223
80	12.601	32.972	12.591	24.923	306.1	0.254
90	11.776	32.953	11.765	25.065	292.7	0.284
100	10.902	33.041	10.890	25.291	271.3	0.313
110	10.332	33.179	10.319	25.498	251.7	0.339
120	10.038	33.253	10.024	25.605	241.7	0.363
130	9.796	33.323	9.782	25.701	232.8	0.387
140	9.464	33.409	9.449	25.822	221.4	0.410
150	9.136	33.488	9.120	25.936	210.6	0.431
175	8.703	33.764	8.684	26.221	184.1	0.481
200	8.477	33.913	8.456	26.372	170.1	0.525
225	7.982	33.939	7.959	26.467	161.3	0.566
250	7.666	33.982	7.641	26.548	154.0	0.605
300	7.147	34.013	7.119	26.646	145.2	0.680
400	5.877	34.034	5.843	26.831	128.2	0.817
500	5.237	34.079	5.197	26.945	118.1	0.940
600	4.889	34.225	4.841	27.101	104.1	1.051
800	4.384	34.359	4.323	27.264	90.0	1.244
1000	3.785	34.442	3.711	27.393	78.5	1.412
1006	3.761	34.442	3.687	27.396	78.3	1.417



STATION 132 COC16

STA NO 132 COC16 LAT: 37 42.0 N LONG:124 53.0 W
 4 MAY 1981 1028 GMT PROBE 2567 DEPTH 4040M
 168.4 KM FROM SHORE

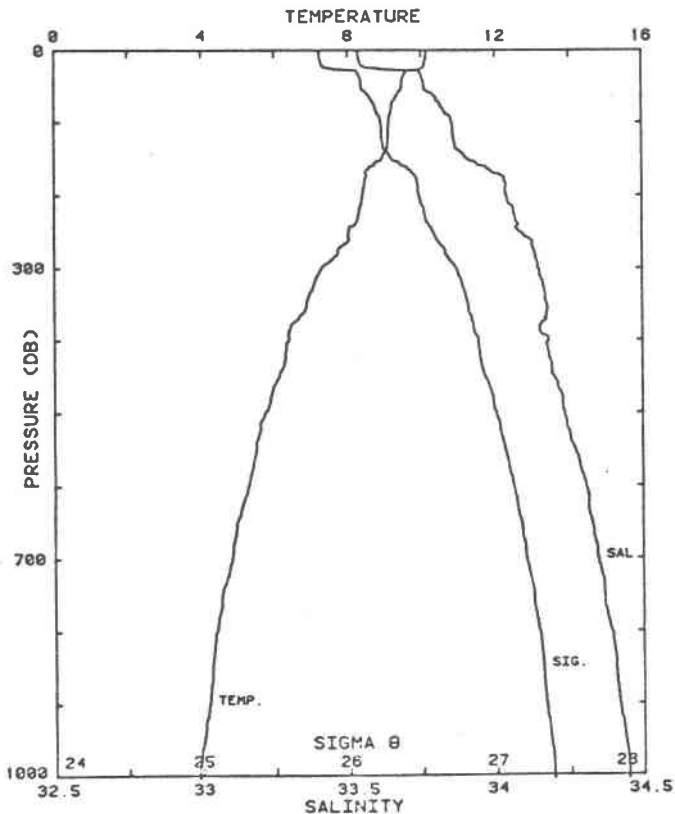
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	12.728	32.747	12.728	24.723	323.1	0.003
10	12.743	32.745	12.741	24.719	323.7	0.032
20	12.746	32.745	12.743	24.718	324.0	0.065
30	12.749	32.745	12.745	24.718	324.3	0.097
40	12.752	32.745	12.747	24.718	324.6	0.130
50	12.754	32.745	12.747	24.717	324.9	0.162
60	12.755	32.745	12.747	24.718	325.1	0.195
70	12.748	32.823	12.739	24.779	319.5	0.227
80	12.933	32.980	12.922	24.864	311.7	0.258
90	12.901	32.978	12.889	24.869	311.5	0.290
100	12.455	32.921	12.442	24.912	307.6	0.321
110	11.400	33.040	11.387	25.202	280.1	0.350
120	10.926	33.170	10.912	25.388	262.5	0.377
130	10.571	33.257	10.556	25.518	250.4	0.403
140	10.209	33.368	10.193	25.666	236.4	0.427
150	9.967	33.453	9.950	25.773	226.4	0.451
175	9.147	33.688	9.128	26.092	196.4	0.503
200	8.577	33.800	8.556	26.269	179.9	0.550
225	8.317	33.884	8.294	26.375	170.2	0.593
250	7.948	33.928	7.924	26.464	162.1	0.635
300	7.398	34.026	7.369	26.621	147.7	0.712
400	6.115	34.046	6.080	26.810	130.4	0.849
500	5.100	34.047	5.060	26.935	118.7	0.974
600	4.586	34.135	4.540	27.053	107.1	1.087
800	4.123	34.289	4.063	27.236	92.1	1.285
1000	3.625	34.417	3.553	27.389	78.5	1.455
1006	3.613	34.420	3.540	27.393	78.2	1.460



STATION 133 ROS10

STA NO 133 ROS10 LAT: 38 6.8 N LONG:123 45.5 W
 4 MAY 1981 1748 GMT PROBE 2567 DEPTH 2621M
 65.1 KM FROM SHORE

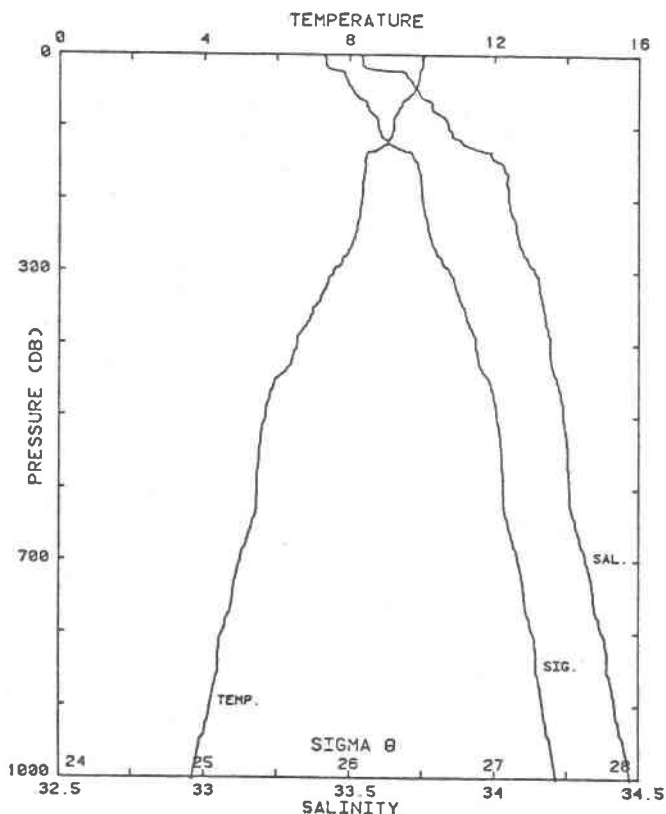
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.182	33.476	10.182	25.752	225.1	0.002
10	10.165	33.486	10.163	25.763	224.3	0.022
20	10.095	33.517	10.093	25.800	221.1	0.045
30	9.938	33.573	9.935	25.870	214.6	0.067
40	9.755	33.624	9.751	25.940	208.1	0.088
50	9.542	33.681	9.537	26.020	200.8	0.108
60	9.235	33.802	9.229	26.164	187.2	0.128
70	9.186	33.824	9.178	26.189	185.0	0.146
80	9.180	33.830	9.172	26.195	184.7	0.165
90	9.183	33.833	9.173	26.197	184.7	0.183
100	9.185	33.838	9.174	26.201	184.6	0.202
110	9.153	33.853	9.141	26.218	183.1	0.220
120	9.124	33.864	9.112	26.231	182.1	0.238
130	9.097	33.875	9.083	26.245	181.0	0.256
140	8.978	33.891	8.963	26.276	178.2	0.274
150	8.943	33.911	8.927	26.298	176.3	0.292
175	8.722	33.980	8.704	26.387	168.3	0.336
200	8.221	34.018	8.201	26.494	158.5	0.377
225	7.754	34.063	7.732	26.598	148.8	0.415
250	7.455	34.069	7.431	26.646	144.6	0.452
300	6.902	34.099	6.875	26.747	135.5	0.521
400	6.318	34.181	6.283	26.891	123.0	0.650
500	5.649	34.234	5.607	27.018	111.7	0.768
600	5.138	34.290	5.089	27.124	102.3	0.875
800	4.380	34.394	4.318	27.292	87.4	1.064
1000	3.863	34.453	3.789	27.394	78.7	1.230
1001	3.859	34.453	3.784	27.395	78.6	1.231



STATION 134 ROS 9

STA NO 134 ROS 9 LAT: 38 10.0 N LONG:123 40.7 W
 4 MAY 1981 1942 GMT PROBE 2567 DEPTH 1871M
 55.9 KM FROM SHORE

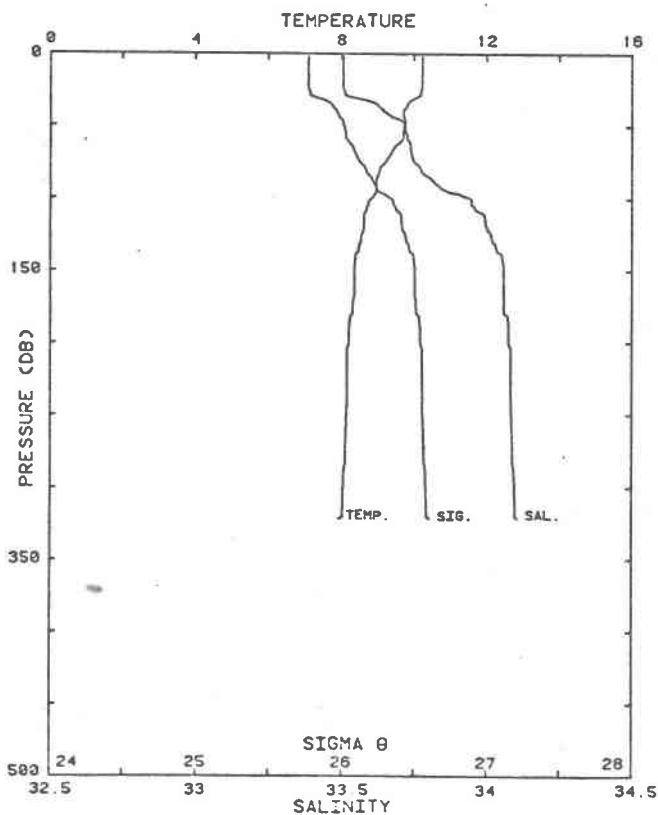
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.140	33.524	10.140	25.796	220.9	0.002
10	10.123	33.537	10.122	25.810	219.9	0.022
20	10.090	33.543	10.087	25.821	219.1	0.044
30	9.571	33.744	9.567	26.064	196.1	0.065
40	9.483	33.756	9.479	26.088	194.1	0.085
50	9.468	33.758	9.463	26.092	193.9	0.104
60	9.360	33.787	9.354	26.132	190.3	0.123
70	9.248	33.800	9.241	26.161	187.8	0.142
80	9.185	33.819	9.177	26.186	185.5	0.161
90	9.141	33.841	9.131	26.211	183.4	0.179
100	9.111	33.853	9.100	26.225	182.3	0.198
110	9.103	33.857	9.091	26.229	182.1	0.216
120	9.098	33.858	9.085	26.231	182.1	0.234
130	9.078	33.864	9.064	26.239	181.5	0.252
140	9.005	33.880	8.990	26.264	179.4	0.270
150	8.915	33.903	8.899	26.296	176.5	0.288
175	8.480	34.030	8.462	26.463	161.0	0.330
200	8.392	34.037	8.372	26.482	159.6	0.370
225	8.299	34.063	8.276	26.517	156.7	0.410
250	8.025	34.083	8.000	26.574	151.7	0.448
300	7.269	34.147	7.240	26.734	136.9	0.521
400	6.377	34.179	6.341	26.882	123.9	0.651
500	5.744	34.233	5.702	27.006	112.9	0.770
600	5.264	34.306	5.215	27.122	102.7	0.877
800	4.382	34.391	4.320	27.290	87.6	1.067
1000	3.901	34.447	3.826	27.386	79.6	1.234
1005	3.898	34.447	3.823	27.387	79.5	1.238



STATION 135 ROS 8

STA NO 135 ROS 8 LAT: 38 13.3 N LONG: 123 35.7 W
4 MAY 1981 2122 GHT PROBE 2567 DEPTH 1016M
46.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.039	33.541	10.039	25.827	218.1	0.002
10	10.012	33.544	10.011	25.834	217.5	0.022
20	9.974	33.562	9.972	25.855	215.8	0.043
30	9.922	33.696	9.918	25.968	205.2	0.064
40	9.875	33.716	9.871	25.991	203.3	0.085
50	9.789	33.734	9.783	26.020	200.8	0.105
60	9.622	33.748	9.615	26.059	197.3	0.125
70	9.435	33.784	9.427	26.118	191.9	0.144
80	9.312	33.799	9.303	26.150	189.0	0.163
90	9.208	33.833	9.199	26.193	185.1	0.182
100	9.214	33.840	9.203	26.198	184.8	0.201
110	9.163	33.854	9.151	26.217	183.2	0.219
120	9.054	33.886	9.042	26.259	179.4	0.237
130	8.826	33.931	8.812	26.332	172.7	0.255
140	8.459	33.991	8.445	26.435	163.0	0.271
150	8.434	34.026	8.419	26.467	160.1	0.288
175	8.364	34.042	8.346	26.490	158.4	0.327
200	8.334	34.048	8.313	26.500	158.0	0.367
225	8.273	34.065	8.251	26.523	156.2	0.406
250	8.153	34.081	8.127	26.553	153.7	0.445
300	7.540	34.138	7.511	26.689	141.4	0.519
400	6.546	34.194	6.510	26.871	125.1	0.652
500	5.691	34.240	5.648	27.018	111.7	0.770
600	5.457	34.260	5.407	27.063	108.5	0.880
800	4.512	34.373	4.450	27.261	90.6	1.080
1000	3.686	34.468	3.613	27.424	75.4	1.247
1003	3.676	34.469	3.603	27.426	75.3	1.249

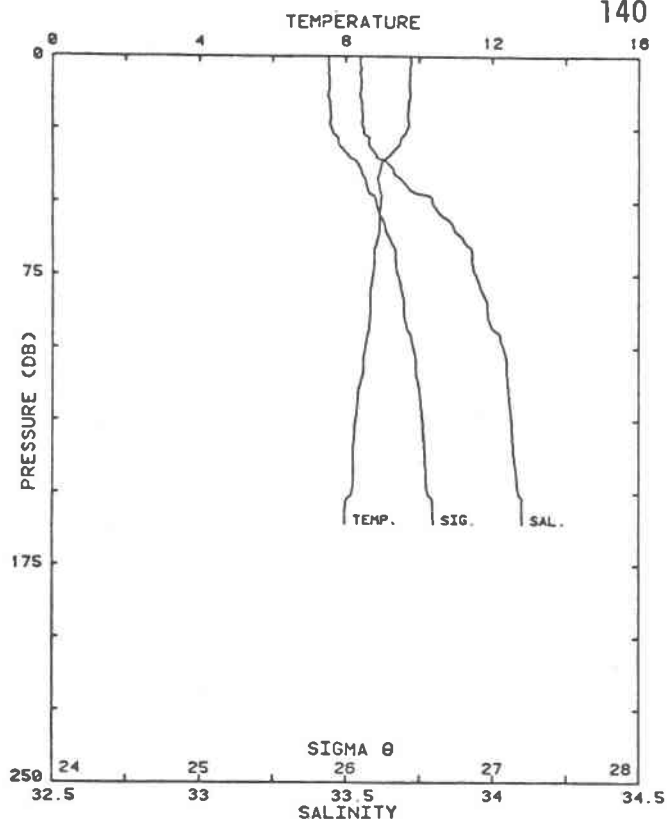


STATION 136 ROS 7

STA NO 136 ROS 7 LAT: 38 16.4 N LONG: 123 30.8 W
4 MAY 1981 2302 GHT PROBE 2567 DEPTH 330M
37.0 KM FROM SHORE LIN INT SAL. AT 301-319DB

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.216	33.506	10.215	25.770	223.5	0.004
10	10.224	33.505	10.223	25.768	223.9	0.022
20	10.221	33.505	10.218	25.769	224.0	0.045
30	10.128	33.523	10.125	25.799	221.4	0.067
40	9.706	33.644	9.702	25.964	205.9	0.088
50	9.730	33.718	9.725	26.017	201.0	0.109
60	9.651	33.731	9.644	26.041	198.9	0.129
70	9.341	33.742	9.333	26.101	193.5	0.148
80	9.053	33.773	9.044	26.171	187.0	0.167
90	8.957	33.824	8.947	26.226	181.9	0.186
100	8.824	33.944	8.814	26.341	171.2	0.203
110	8.640	33.984	8.629	26.402	165.6	0.220
120	8.616	34.001	8.604	26.418	164.2	0.237
130	8.525	34.021	8.512	26.448	161.5	0.253
140	8.380	34.054	8.366	26.496	157.2	0.269
150	8.355	34.058	8.340	26.504	156.6	0.285
175	8.308	34.059	8.290	26.512	156.3	0.324
200	8.197	34.075	8.177	26.542	153.9	0.362
225	8.149	34.084	8.126	26.557	153.0	0.401
250	8.136	34.085	8.111	26.560	153.1	0.439
300	8.048	34.097	8.018	26.583	151.8	0.515
322	7.920	34.107	7.888	26.610	149.6	0.549

140



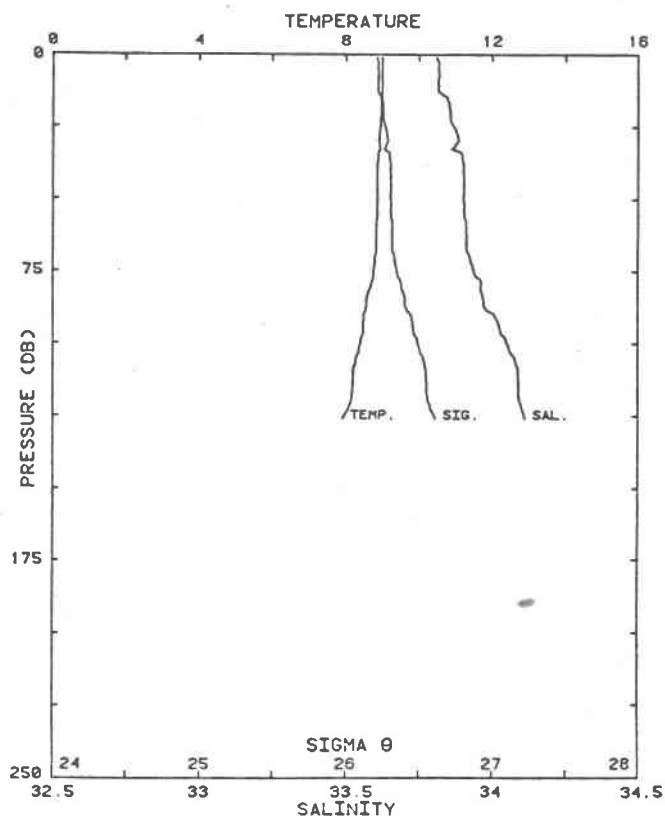
STATION 137 ROS 6

STA NO 137 ROS 6 LAT: 38 19.6 N LONG: 123 25.9 W
 5 MAY 1981 0019 GMT PROBE 2567 DEPTH 166M
 27.9 KM FROM SHORE 2 MIN GAP AT 86M.

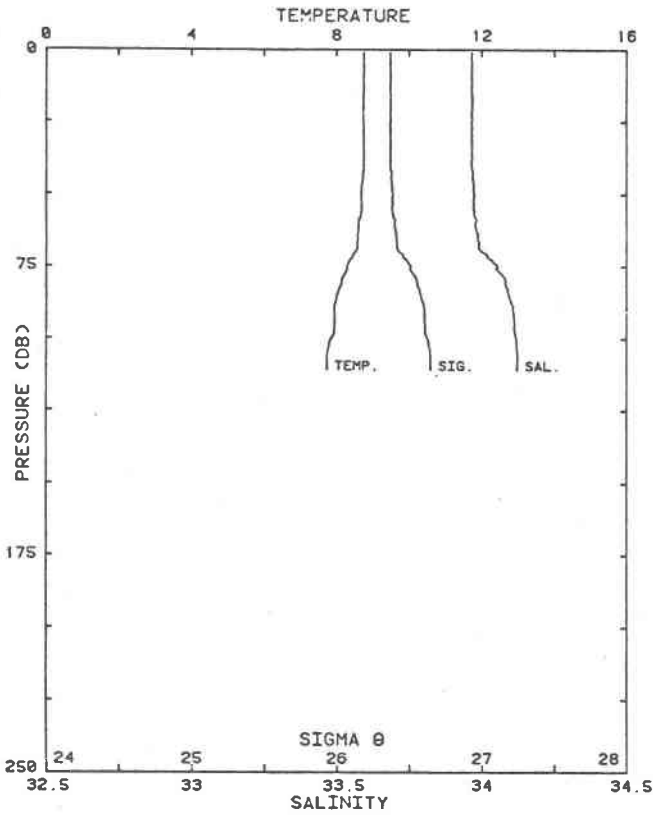
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	9.759	33.551	9.759	25.881	212.9	0.000
10	9.731	33.552	9.730	25.887	212.5	0.021
20	9.683	33.558	9.681	25.900	211.5	0.043
30	9.472	33.578	9.469	25.950	206.9	0.064
40	8.911	33.661	8.907	26.106	192.3	0.083
50	8.949	33.794	8.944	26.204	183.2	0.102
60	8.908	33.871	8.902	26.271	177.1	0.120
70	8.768	33.931	8.761	26.339	170.8	0.138
80	8.676	33.960	8.668	26.377	167.4	0.154
90	8.655	33.986	8.645	26.400	165.4	0.171
100	8.525	34.039	8.514	26.462	159.6	0.187
110	8.455	34.052	8.444	26.483	157.9	0.203
120	8.314	34.060	8.302	26.511	155.3	0.219
130	8.242	34.069	8.229	26.529	153.8	0.234
140	8.206	34.077	8.192	26.541	152.9	0.250
150	8.159	34.089	8.144	26.558	151.5	0.265
161	7.975	34.102	7.959	26.595	148.1	0.281

STA NO 138 ROS 5 LAT: 38 21.3 N LONG: 123 23.3 W
 5 MAY 1981 0110 GMT PROBE 2567 DEPTH 133M
 23.3 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.974	33.809	8.974	26.210	181.6	0.002
10	8.972	33.814	8.971	26.215	181.4	0.018
20	8.941	33.857	8.939	26.253	177.9	0.036
30	8.889	33.885	8.886	26.284	175.2	0.054
40	8.851	33.902	8.847	26.303	173.6	0.071
50	8.851	33.902	8.846	26.304	173.8	0.089
60	8.825	33.911	8.819	26.315	172.9	0.106
70	8.787	33.925	8.780	26.332	171.4	0.123
80	8.680	33.962	8.672	26.378	167.3	0.140
90	8.482	34.006	8.473	26.443	161.3	0.157
100	8.388	34.051	8.378	26.493	156.7	0.173
110	8.205	34.089	8.194	26.550	151.4	0.188
120	8.140	34.095	8.128	26.565	150.2	0.203
126	7.909	34.112	7.897	26.612	145.7	0.212



STATION 138 ROS 5



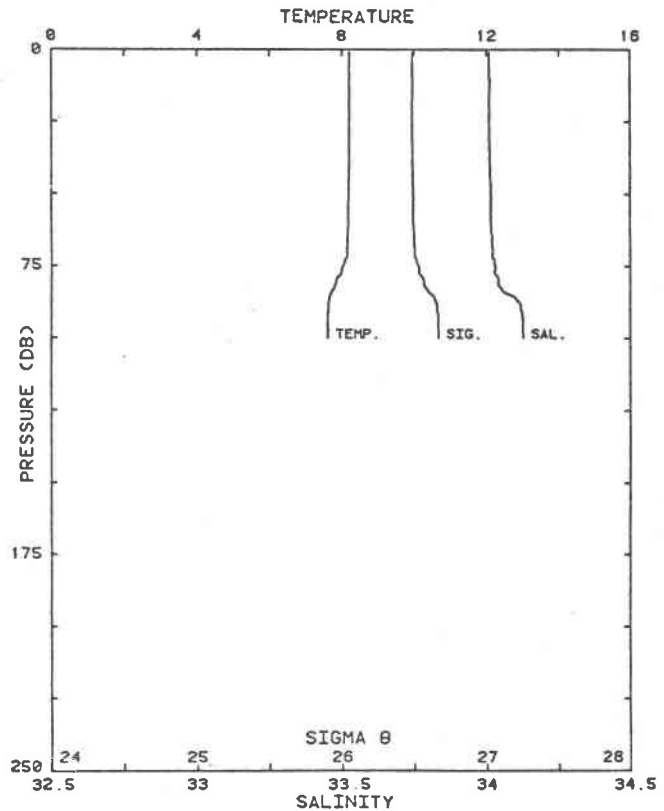
STATION 139 ROS 4

STA NO 139 ROS 4 LAT: 38 23.1 N LONG:123 20.7 W
 5 MAY 1981 0155 GMT PROBE 2567 DEPTH 117M
 18.0 KM FROM SHORE

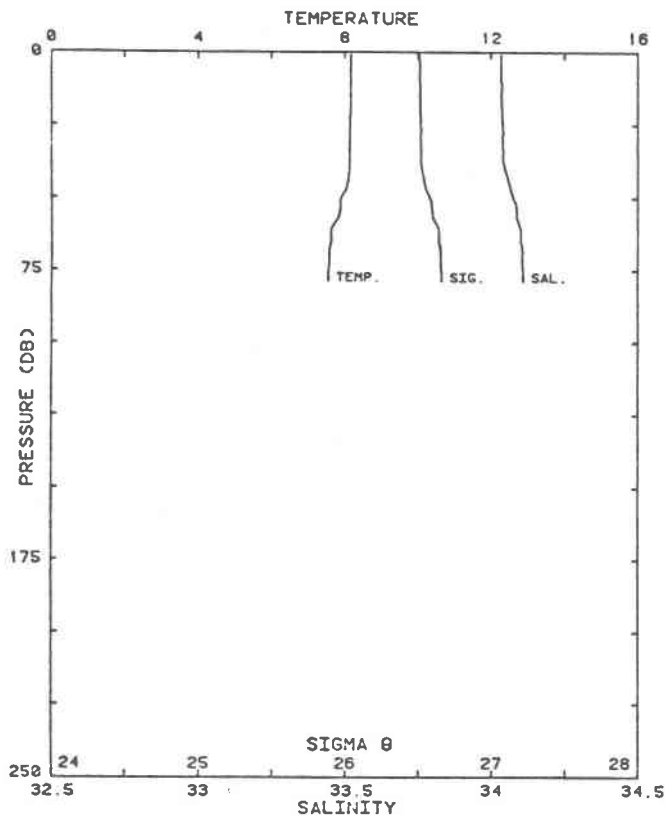
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.740	33.965	8.740	26.369	166.5	0.002
10	8.736	33.966	8.735	26.371	166.5	0.017
20	8.732	33.967	8.730	26.372	166.6	0.033
30	8.741	33.966	8.738	26.370	167.0	0.050
40	8.750	33.965	8.745	26.368	167.4	0.067
50	8.677	33.974	8.672	26.387	165.9	0.083
60	8.610	33.978	8.604	26.400	164.7	0.100
70	8.521	34.002	8.514	26.433	161.8	0.116
80	8.146	34.083	8.138	26.554	150.5	0.132
90	7.942	34.109	7.933	26.605	145.8	0.147
100	7.857	34.120	7.847	26.626	143.9	0.161
110	7.735	34.123	7.724	26.647	142.2	0.176
111	7.735	34.123	7.724	26.647	142.2	0.177

STA NO 140 ROS 3 LAT: 38 24.8 N LONG:123 18.0 W
 5 MAY 1981 0239 GMT PROBE 2567 DEPTH 105M
 13.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.204	34.010	8.204	26.486	155.4	0.002
10	8.202	34.010	8.201	26.488	155.5	0.016
20	8.209	34.009	8.207	26.486	155.8	0.031
30	8.208	34.009	8.205	26.486	156.0	0.047
40	8.202	34.011	8.198	26.489	155.9	0.062
50	8.187	34.015	8.182	26.494	155.6	0.078
60	8.179	34.016	8.173	26.496	155.6	0.093
70	8.141	34.021	8.134	26.506	154.8	0.109
80	7.838	34.041	7.830	26.567	149.2	0.124
90	7.621	34.118	7.613	26.659	140.6	0.139
100	7.600	34.127	7.591	26.669	139.8	0.153



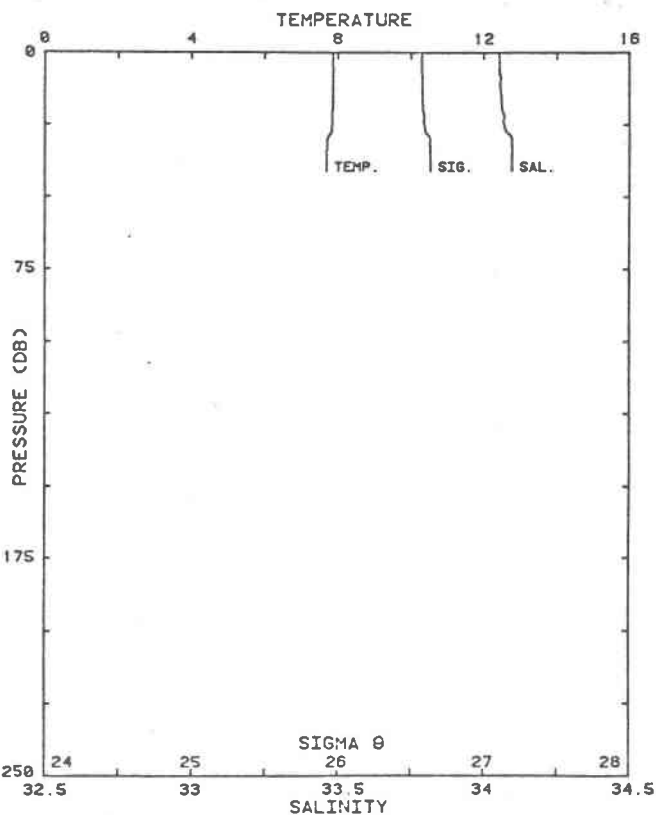
STATION 140 ROS 3



STATION 141 ROS 2

STA NO 141 ROS 2 LAT: 38 26.8 N LONG:123 15.4 W
 5 MAY 1981 0326 GMT PROBE 2567 DEPTH 82M
 7.8 KM FROM SHORE LIN INT SAL. AT 39-51DB

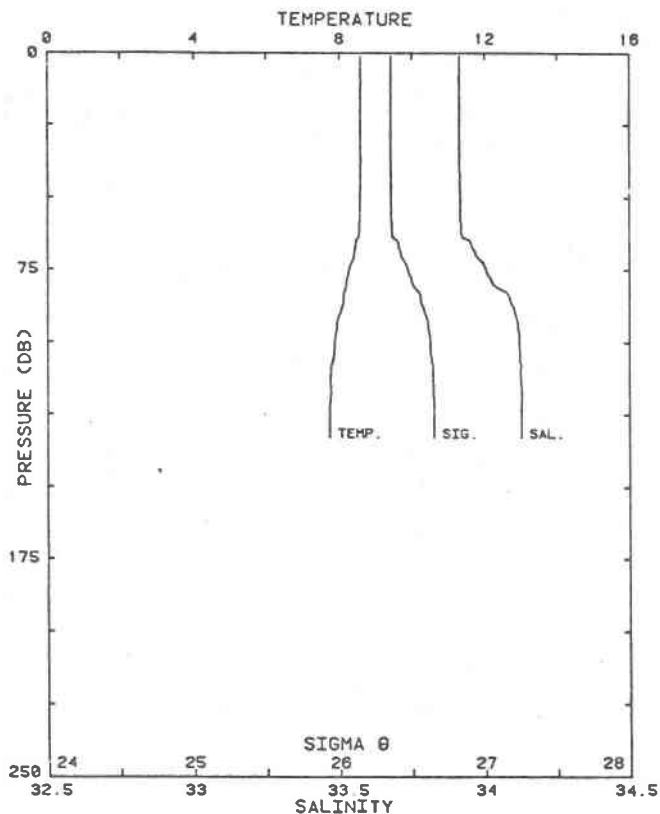
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.172	34.035	8.171	26.511	153.1	0.002
10	8.172	34.035	8.171	26.511	153.2	0.015
20	8.162	34.037	8.160	26.514	153.1	0.031
30	8.148	34.040	8.145	26.519	152.9	0.046
40	8.134	34.048	8.130	26.527	152.2	0.061
50	7.917	34.076	7.913	26.582	147.3	0.076
60	7.687	34.098	7.681	26.633	142.6	0.091
70	7.586	34.107	7.579	26.655	140.7	0.105
79	7.557	34.110	7.549	26.662	140.2	0.118



STA NO 142 ROS 1 LAT: 38 28.3 N LONG:123 12.8 W
 5 MAY 1981 0408 GMT PROBE 2567 DEPTH 44M
 2.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
			TEMP	THETA		
0	7.868	34.053	7.868	26.570	147.4	0.000
10	7.865	34.057	7.864	26.574	147.3	0.015
20	7.854	34.064	7.852	26.581	146.7	0.029
30	7.701	34.098	7.698	26.631	142.2	0.044
40	7.685	34.098	7.681	26.633	142.2	0.058
41	7.684	34.098	7.680	26.633	142.2	0.060

STATION 142 ROS 1

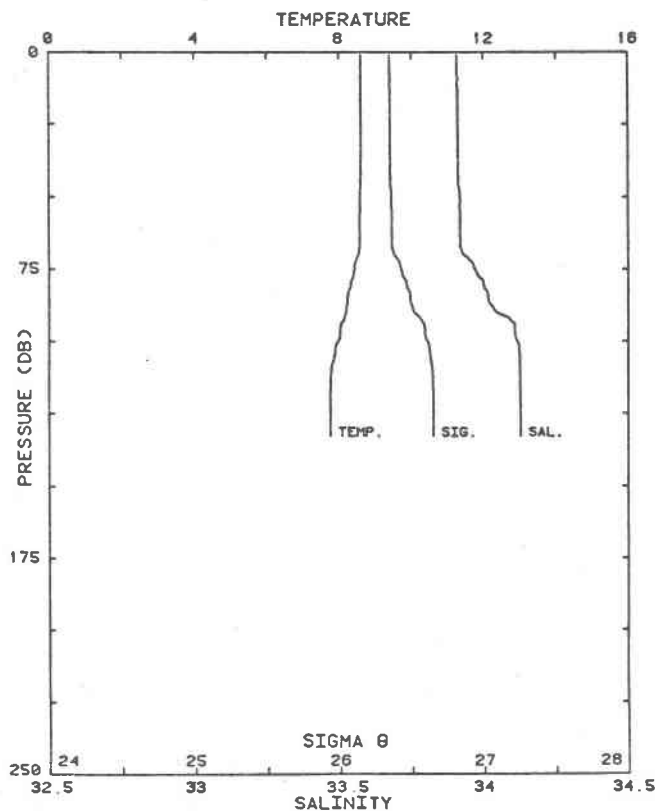


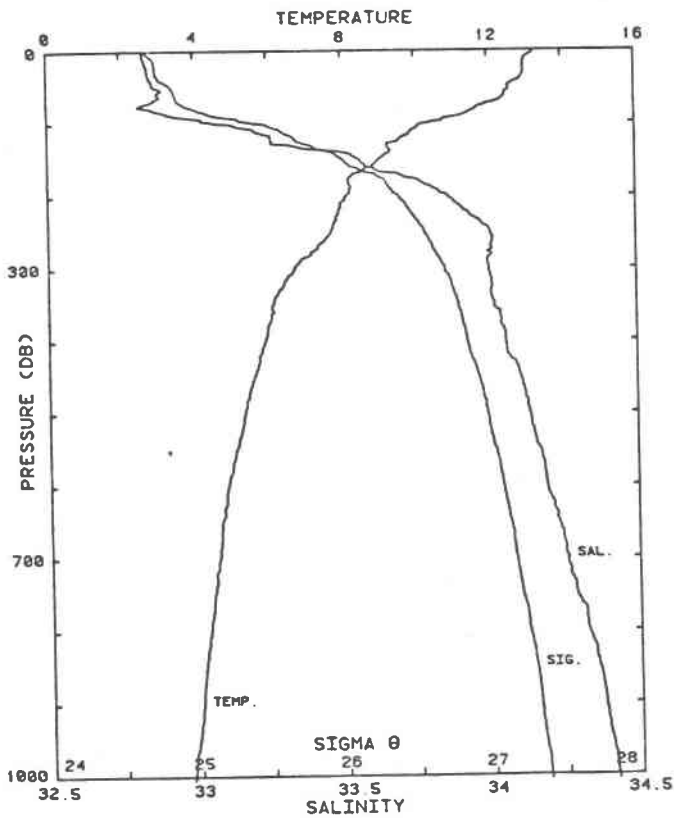
STA NO 143 COC 5 LAT: 38 34.6 N LONG:123 33.3 W
 5 MAY 1981 1302 GMT PROBE 2567 DEPTH 137M
 16.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.581	33.913	8.581	26.353	168.1	0.002
10	8.589	33.913	8.588	26.352	168.4	0.017
20	8.586	33.914	8.584	26.353	168.4	0.034
30	8.588	33.913	8.585	26.353	168.7	0.051
40	8.584	33.914	8.580	26.354	168.7	0.067
50	8.573	33.916	8.567	26.358	168.6	0.084
60	8.557	33.919	8.551	26.362	168.4	0.101
70	8.409	33.969	8.402	26.425	162.6	0.118
80	8.193	34.030	8.185	26.505	155.1	0.134
90	8.042	34.104	8.033	26.586	147.7	0.149
100	7.865	34.120	7.855	26.625	144.1	0.163
110	7.762	34.123	7.751	26.643	142.6	0.177
120	7.743	34.127	7.731	26.649	142.1	0.192
130	7.726	34.126	7.713	26.650	142.2	0.206
133	7.726	34.126	7.713	26.650	142.2	0.210

STA NO 144 COC 5 LAT: 38 34.5 N LONG:123 33.3 W
 5 MAY 1981 1330 GMT PROBE 2567 DEPTH 137M
 16.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.594	33.909	8.594	26.348	168.6	0.002
10	8.595	33.911	8.594	26.349	168.6	0.017
20	8.595	33.911	8.593	26.350	168.8	0.034
30	8.595	33.911	8.592	26.350	168.9	0.051
40	8.595	33.912	8.591	26.351	169.1	0.068
50	8.568	33.918	8.563	26.360	168.4	0.084
60	8.559	33.920	8.553	26.363	168.3	0.101
70	8.516	33.930	8.509	26.378	167.1	0.118
80	8.308	34.000	8.300	26.465	159.0	0.134
90	8.177	34.044	8.168	26.518	154.0	0.150
100	7.959	34.115	7.949	26.608	145.7	0.165
110	7.773	34.124	7.762	26.642	142.6	0.179
120	7.735	34.126	7.724	26.649	142.1	0.193
130	7.736	34.127	7.723	26.650	142.2	0.208
133	7.736	34.127	7.723	26.650	142.3	0.212

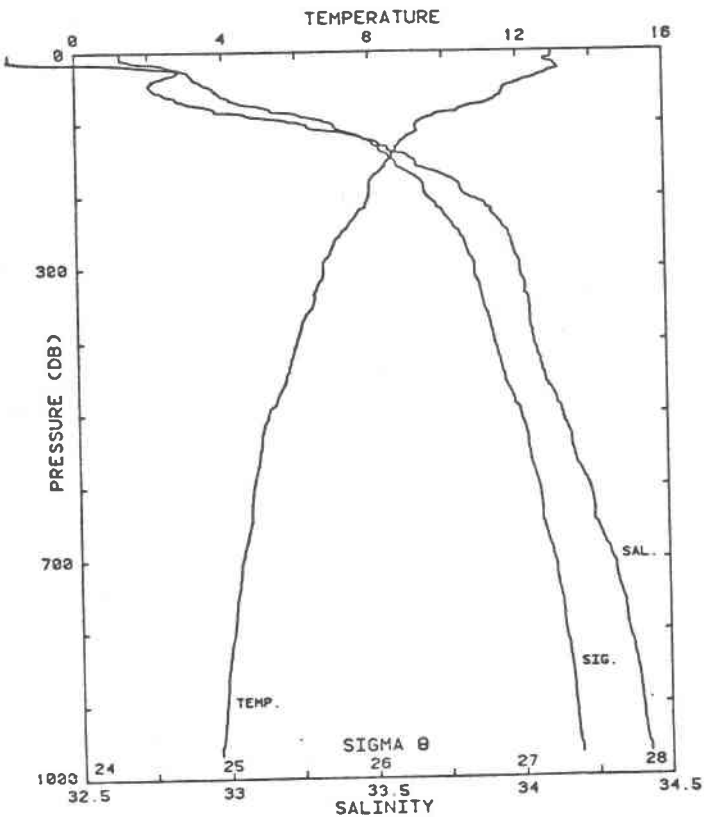




STATION 145 CRC 8

STA NO 145 CRC 8 LAT: 41 44.0 N LONG:125 12.2 W
 6 MAY 1981 2122 GMT PROBE 2567 DEPTH 3025M
 86.9 KM FROM SHORE

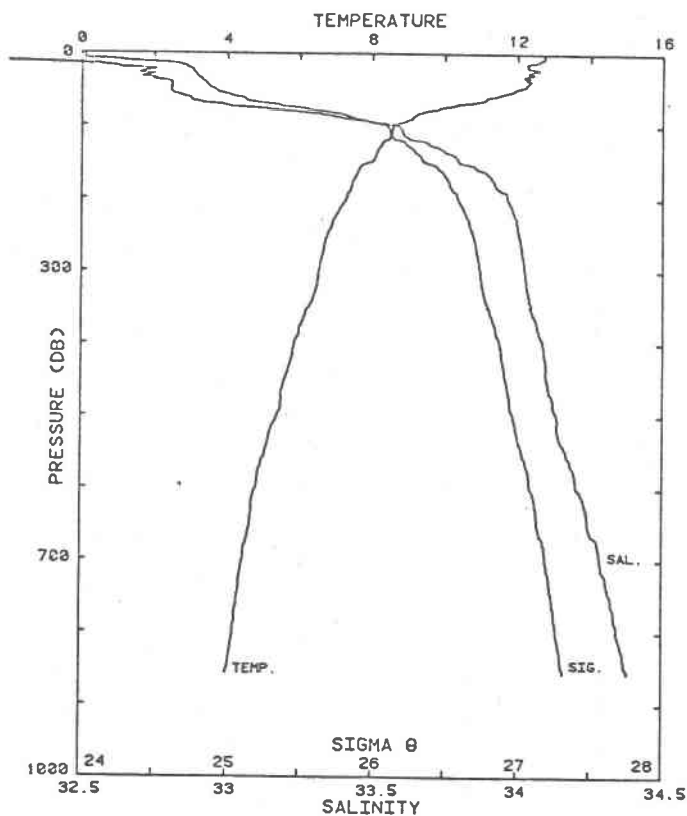
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.262	32.826	13.262	24.679	327.3	0.003
10	13.082	32.831	13.080	24.718	323.7	0.033
20	13.002	32.841	12.999	24.742	321.7	0.065
30	12.997	32.846	12.993	24.747	321.5	0.097
40	12.921	32.853	12.916	24.768	319.8	0.129
50	12.570	32.867	12.563	24.847	312.5	0.161
60	12.478	32.876	12.470	24.872	310.4	0.192
70	12.357	32.867	12.347	24.889	309.0	0.223
80	11.702	32.848	11.692	24.997	298.9	0.253
90	11.316	32.929	11.305	25.130	286.4	0.283
100	10.456	33.064	10.444	25.387	262.1	0.310
110	9.928	33.204	9.915	25.586	243.3	0.335
120	9.644	33.260	9.631	25.676	234.9	0.359
130	9.268	33.311	9.254	25.777	225.4	0.382
140	9.315	33.500	9.300	25.917	212.3	0.404
150	9.028	33.561	9.012	26.011	203.6	0.425
175	8.237	33.717	8.219	26.255	180.6	0.473
200	8.131	33.859	8.111	26.383	168.9	0.517
225	7.902	33.932	7.880	26.474	160.6	0.558
250	7.693	34.006	7.669	26.563	152.6	0.597
300	6.695	33.998	6.667	26.696	140.1	0.670
400	5.894	34.054	5.860	26.845	126.9	0.803
500	5.313	34.133	5.272	26.978	115.0	0.923
600	4.820	34.189	4.772	27.080	105.9	1.034
800	4.282	34.322	4.221	27.246	91.5	1.231
1000	3.784	34.416	3.710	27.373	80.5	1.402
1006	3.766	34.417	3.691	27.376	80.2	1.406



STATION 146 CRC 7

STA NO 146 CRC 7 LAT: 41 44.1 N LONG:125 0.0 W
 6 MAY 1981 2305 GMT PROBE 2567 DEPTH 978M
 69.9 KM FROM SHORE

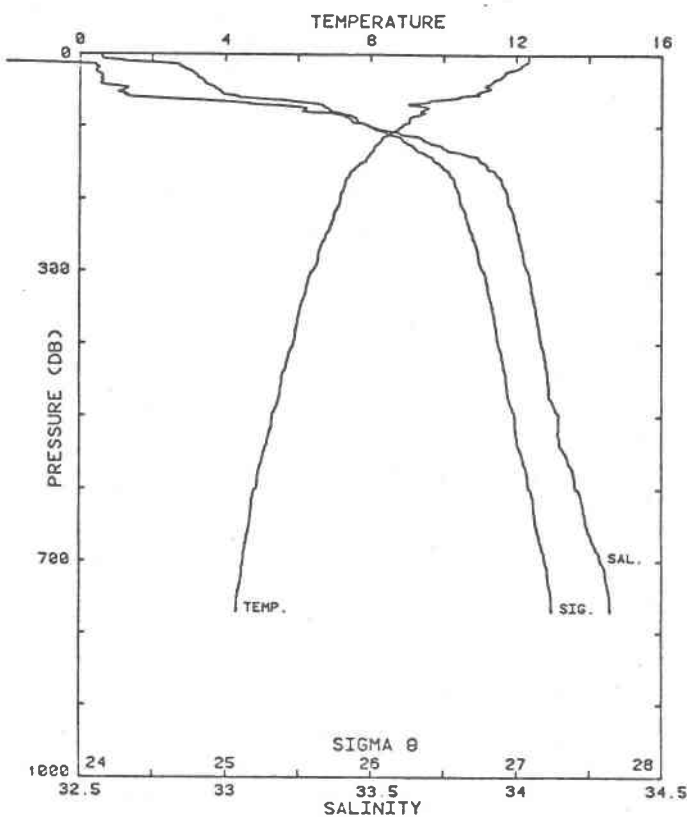
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.971	32.273	12.971	24.310	362.5	0.004
10	12.943	32.272	12.941	24.314	362.2	0.036
20	13.050	32.682	13.047	24.610	334.3	0.071
30	12.844	32.846	12.840	24.777	318.7	0.104
40	12.289	32.760	12.284	24.818	315.0	0.136
50	11.704	32.757	11.698	24.925	305.0	0.167
60	11.583	32.802	11.576	24.983	299.7	0.197
70	11.270	32.870	11.262	25.092	289.5	0.226
80	10.459	32.973	10.450	25.315	268.5	0.254
90	9.727	33.089	9.717	25.529	248.2	0.280
100	9.284	33.262	9.273	25.736	228.7	0.304
110	9.303	33.356	9.291	25.806	222.2	0.326
120	8.986	33.476	8.974	25.950	208.7	0.348
130	8.799	33.534	8.785	26.025	201.7	0.368
140	8.649	33.579	8.634	26.084	196.3	0.388
150	8.531	33.649	8.516	26.157	189.5	0.407
175	8.060	33.766	8.043	26.320	174.4	0.453
200	7.956	33.830	7.936	26.386	168.6	0.496
225	7.624	33.912	7.602	26.498	158.2	0.537
250	7.214	33.965	7.190	26.599	148.9	0.575
300	6.691	34.005	6.664	26.702	139.6	0.647
400	5.953	34.051	5.919	26.835	127.9	0.781
500	5.145	34.145	5.105	27.007	112.0	0.902
600	4.721	34.232	4.674	27.125	101.6	1.009
800	4.133	34.360	4.073	27.291	87.0	1.197
968	3.726	34.427	3.655	27.387	78.7	1.335



STATION 147 CRC 6

STA NO 147 CRC 6 LAT: 41 44.0 N LONG:124 48.0 W
 7 MAY 1981 0048 GMT PROBE 2567 DEPTH 866M
 53.6 KM FROM SHORE

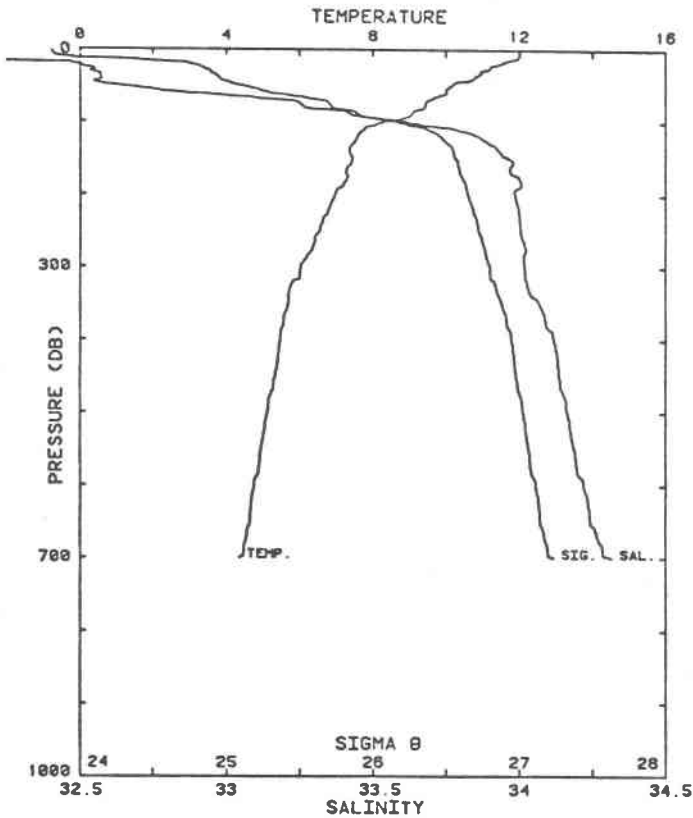
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.763	31.845	12.763	24.019	390.2	0.004
10	12.622	32.046	12.620	24.202	372.9	0.039
20	12.274	32.630	12.271	24.720	323.8	0.073
30	12.454	32.752	12.450	24.780	318.4	0.105
40	12.344	32.803	12.339	24.840	312.9	0.137
50	11.979	32.808	11.973	24.914	306.1	0.168
60	11.369	32.852	11.362	25.060	292.4	0.198
70	10.419	32.980	10.411	25.327	267.1	0.226
80	9.456	33.244	9.447	25.694	232.3	0.251
90	9.094	33.408	9.084	25.880	214.8	0.273
100	8.584	33.590	8.574	26.102	193.8	0.294
110	8.530	33.605	8.519	26.122	192.1	0.313
120	8.434	33.636	8.422	26.161	188.6	0.332
130	8.215	33.716	8.202	26.257	179.6	0.351
140	8.106	33.771	8.092	26.317	174.1	0.368
150	8.016	33.797	8.001	26.350	171.0	0.385
175	7.478	33.914	7.461	26.520	155.2	0.426
200	7.271	33.967	7.252	26.591	148.8	0.464
225	6.988	33.992	6.967	26.650	143.5	0.500
250	6.760	34.006	6.738	26.693	139.7	0.535
300	6.514	34.027	6.487	26.743	135.6	0.604
400	5.854	34.088	5.820	26.876	123.9	0.735
500	5.390	34.137	5.349	26.972	115.7	0.855
600	4.819	34.206	4.772	27.094	104.6	0.965
800	4.194	34.345	4.134	27.274	88.8	1.156
856	4.007	34.382	3.943	27.323	84.3	1.205



STATION 148 CRC 5

STA NO 148 CRC 5 LAT: 41 44.0 N LONG:124 42.0 W
 7 MAY 1981 0202 GMT PROBE 2567 DEPTH 782M
 45.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.345	31.916	12.345	24.154	377.3	0.004
10	12.324	32.101	12.322	24.301	363.5	0.038
20	12.036	32.570	12.033	24.719	323.9	0.071
30	11.591	32.577	11.587	24.806	315.9	0.103
40	11.298	32.577	11.293	24.859	311.0	0.135
50	11.112	32.656	11.106	24.954	302.2	0.165
60	10.410	32.677	10.403	25.093	289.1	0.195
70	9.055	33.122	9.047	25.662	235.1	0.221
80	9.369	33.294	9.360	25.747	227.3	0.244
90	9.052	33.430	9.042	25.903	212.6	0.266
100	8.848	33.497	8.838	25.988	204.7	0.287
110	8.545	33.599	8.533	26.115	192.7	0.307
120	8.287	33.683	8.275	26.220	182.9	0.325
130	8.104	33.746	8.091	26.297	175.8	0.343
140	7.966	33.833	7.952	26.386	167.5	0.360
150	7.756	33.886	7.741	26.458	160.7	0.377
175	7.300	33.947	7.283	26.571	150.3	0.415
200	7.152	33.970	7.133	26.610	146.9	0.452
225	6.971	33.991	6.950	26.652	143.3	0.489
250	6.748	34.009	6.725	26.697	139.4	0.524
300	6.352	34.043	6.325	26.776	132.3	0.592
400	5.860	34.087	5.826	26.875	124.0	0.720
500	5.291	34.146	5.250	26.991	113.8	0.839
600	4.848	34.207	4.801	27.091	104.9	0.949
771	4.299	34.323	4.240	27.245	91.4	1.115



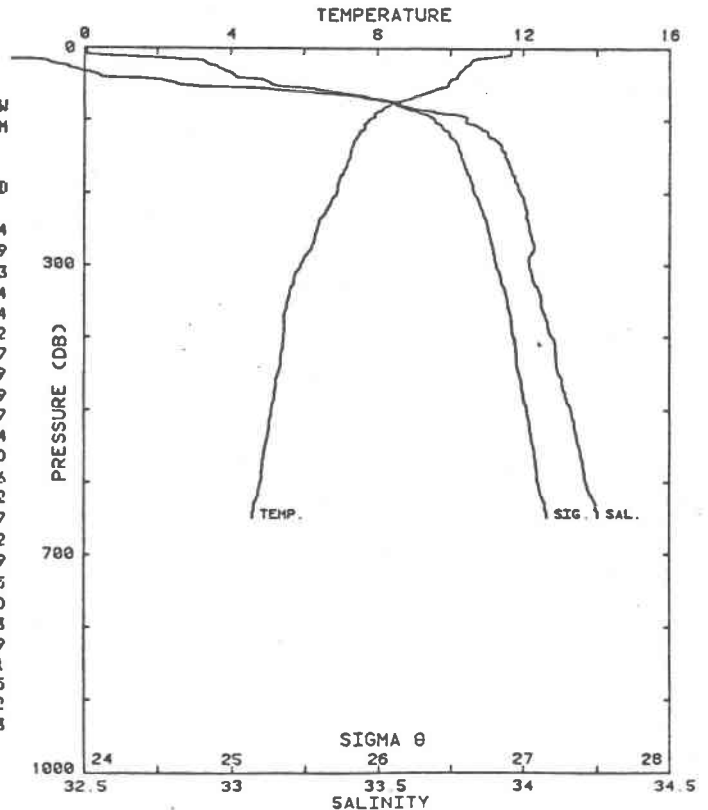
STATION 149 CR 6

STA NO 149 CR 6 LAT: 41 54.0 N LONG:124 48.0 W
 7 MAY 1981 0405 GMT PROBE 2567 DEPTH 697M
 49.6 KM FROM SHORE

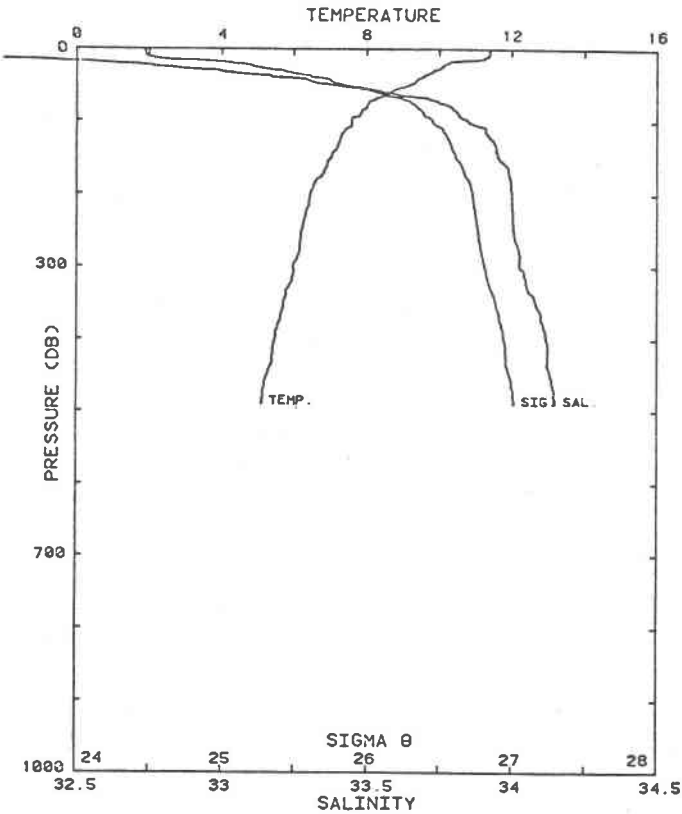
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELT
	TEMP		TEMP	THETA		
2	12.027	31.398	12.026	23.813	409.8	0.008
10	12.015	31.435	12.014	23.844	407.0	0.041
20	11.484	32.474	11.481	24.746	321.3	0.077
30	10.945	32.536	10.941	24.890	307.8	0.109
40	10.759	32.573	10.755	24.951	302.1	0.139
50	10.152	32.612	10.146	25.086	289.5	0.169
60	10.022	32.851	10.016	25.294	270.0	0.197
70	9.528	33.193	9.521	25.641	237.1	0.222
80	9.401	33.269	9.392	25.722	229.6	0.245
90	9.051	33.428	9.042	25.902	212.6	0.267
100	8.248	33.618	8.238	26.175	186.8	0.287
110	7.770	33.780	7.759	26.372	168.1	0.305
120	7.563	33.863	7.551	26.468	159.2	0.321
130	7.458	33.898	7.445	26.510	155.3	0.337
140	7.348	33.931	7.335	26.552	151.6	0.352
150	7.429	33.961	7.415	26.564	150.6	0.368
175	7.316	33.998	7.299	26.609	146.7	0.405
200	6.956	33.986	6.938	26.650	143.1	0.441
225	6.747	34.000	6.727	26.689	139.6	0.476
250	6.534	34.005	6.512	26.722	136.9	0.511
300	6.019	34.019	5.993	26.800	129.8	0.577
400	5.468	34.118	5.435	26.947	116.8	0.700
500	5.117	34.164	5.077	27.026	110.2	0.814
600	4.749	34.221	4.702	27.113	102.7	0.921
700	4.343	34.316	4.290	27.234	91.8	1.020

STA NO 150 CR 5 LAT: 41 54.0 N LONG:124 42.0 W
 7 MAY 1981 0504 GMT PROBE 2567 DEPTH 654M
 41.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELT
	TEMP		TEMP	THETA		
1	11.691	31.574	11.691	24.010	391.0	0.004
10	11.611	31.601	11.610	24.046	387.8	0.039
20	10.566	32.377	10.564	24.832	313.1	0.073
30	10.333	32.473	10.329	24.947	302.3	0.104
40	10.198	32.556	10.194	25.034	294.2	0.134
50	9.949	32.816	9.943	25.278	271.2	0.162
60	9.494	33.196	9.487	25.649	236.1	0.187
70	8.923	33.465	8.916	25.951	207.6	0.209
80	8.287	33.583	8.279	26.141	189.6	0.229
90	7.942	33.704	7.933	26.287	175.9	0.247
100	7.751	33.801	7.741	26.392	166.1	0.264
110	7.665	33.849	7.655	26.442	161.5	0.280
120	7.499	33.880	7.488	26.490	157.1	0.296
130	7.352	33.913	7.340	26.537	152.8	0.312
140	7.293	33.926	7.279	26.555	151.2	0.327
150	7.264	33.939	7.250	26.570	150.0	0.342
175	7.041	33.964	7.025	26.620	145.5	0.379
200	6.890	33.991	6.872	26.663	141.9	0.415
225	6.585	34.011	6.565	26.720	136.6	0.450
250	6.350	34.021	6.328	26.759	133.3	0.483
300	5.899	34.021	5.874	26.816	128.2	0.549
400	5.429	34.096	5.396	26.934	118.0	0.671
500	5.108	34.162	5.068	27.025	110.3	0.785
600	4.805	34.213	4.758	27.101	103.9	0.892
650	4.580	34.256	4.529	27.160	98.5	0.943



STATION 150 CR 5

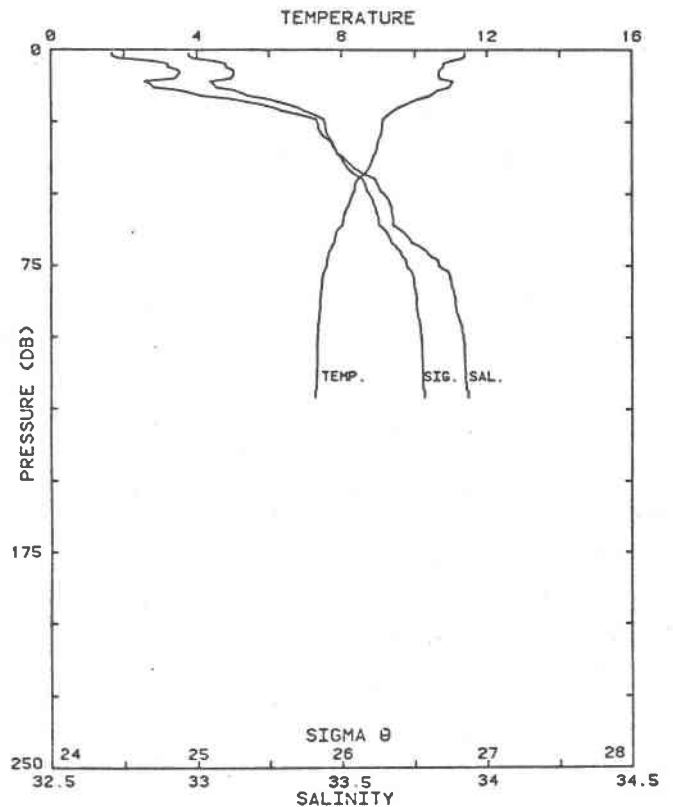


STA NO 151 CR 4 LAT: 41 54.0 N LONG:124 36.0 W
 7 MAY 1981 0600 GMT PROBE 2567 DEPTH 493M
 32.7 KM FROM SHORE

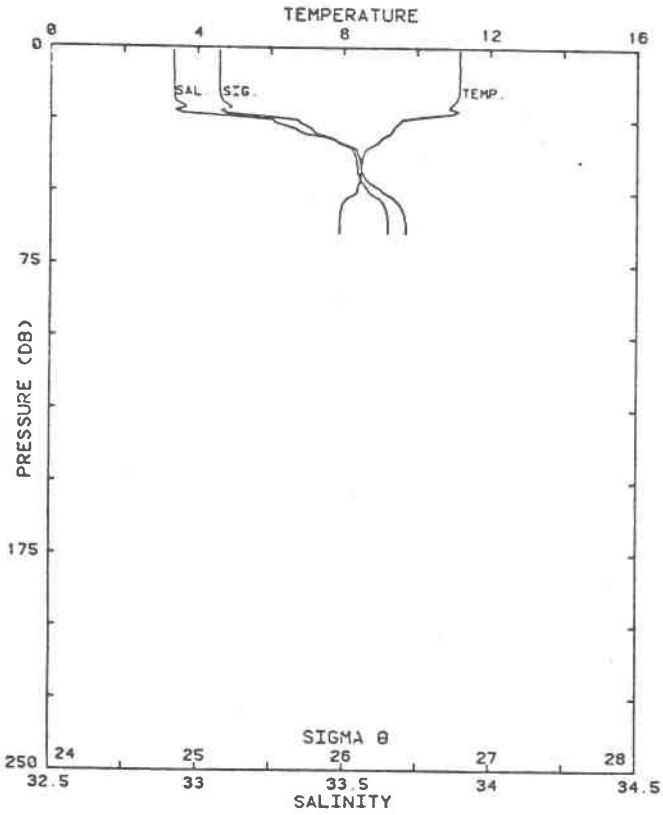
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.392	32.098	11.392	24.470	347.1	0.003
10	11.367	32.105	11.365	24.481	346.4	0.035
20	10.262	32.593	10.260	25.052	292.2	0.067
30	9.930	32.933	9.926	25.373	261.8	0.095
40	9.562	33.179	9.558	25.625	238.1	0.120
50	9.222	33.367	9.216	25.827	219.0	0.143
60	8.679	33.553	8.673	26.058	197.3	0.163
70	8.251	33.709	8.244	26.245	179.6	0.182
80	8.006	33.786	7.998	26.342	170.6	0.200
90	7.823	33.813	7.815	26.390	166.1	0.217
100	7.580	33.849	7.570	26.454	160.2	0.233
110	7.447	33.911	7.437	26.521	153.9	0.249
120	7.295	33.920	7.284	26.550	151.3	0.264
130	7.221	33.941	7.208	26.577	148.9	0.279
140	7.126	33.947	7.113	26.595	147.4	0.294
150	7.018	33.957	7.004	26.618	145.4	0.308
175	6.762	33.992	6.747	26.681	139.7	0.344
200	6.444	34.000	6.426	26.729	135.4	0.378
225	6.316	34.004	6.296	26.745	133.7	0.412
250	6.210	34.009	6.188	26.767	132.4	0.445
300	5.972	34.029	5.947	26.814	128.5	0.510
400	5.478	34.119	5.445	26.947	116.8	0.633
490	5.102	34.152	5.063	27.018	110.9	0.735

STA NO 152 CR 3 LAT: 41 54.0 N LONG:124 29.0 W
 7 MAY 1981 0657 GMT PROBE 2567 DEPTH 124M
 23.3 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.388	32.709	11.388	24.944	302.0	0.003
10	10.697	32.925	10.696	25.235	274.5	0.029
20	9.518	33.269	9.516	25.702	230.3	0.055
30	9.048	33.437	9.045	25.909	210.8	0.077
40	8.770	33.533	8.766	26.027	199.7	0.097
50	8.291	33.644	8.286	26.188	184.7	0.116
60	8.021	33.676	8.015	26.253	178.6	0.134
70	7.642	33.791	7.636	26.399	164.9	0.152
80	7.444	33.875	7.437	26.493	156.1	0.168
90	7.390	33.894	7.382	26.515	154.2	0.183
100	7.316	33.919	7.306	26.546	151.4	0.198
110	7.299	33.923	7.289	26.552	151.0	0.213
120	7.253	33.934	7.242	26.567	149.7	0.229
121	7.257	33.934	7.246	26.566	149.8	0.230



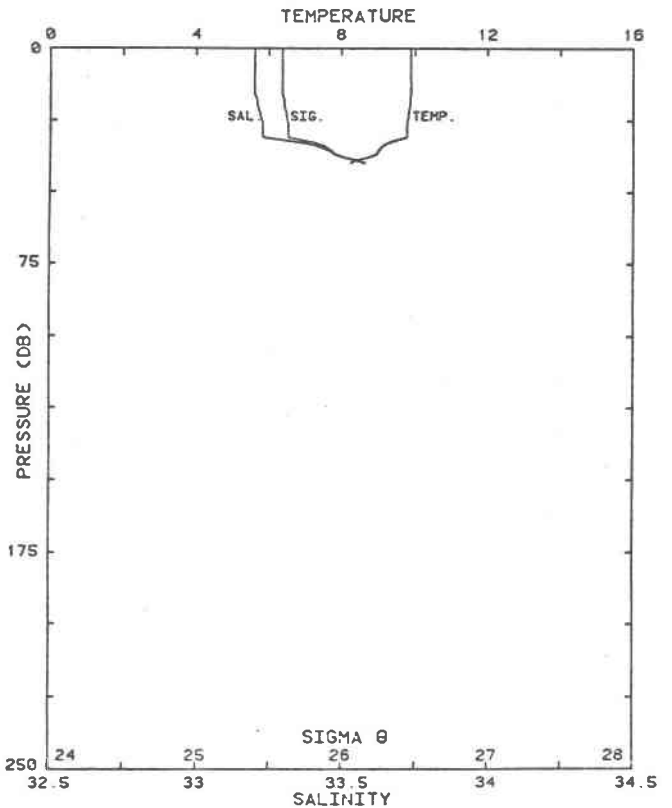
STATION 152 CR 3



STATION 153 CR 2

STA NO 153 CR 2 LAT: 41 53.9 N LONG:124 24.0 W
 7 MAY 1981 0743 GMT PROBE 2567 DEPTH 67M
 16.3 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.158	32.917	11.158	25.147	282.7	0.003
10	11.164	32.921	11.163	25.149	282.7	0.028
20	10.940	32.950	10.938	25.212	277.0	0.056
30	9.259	33.371	9.255	25.823	219.0	0.081
40	8.492	33.557	8.488	26.089	193.9	0.101
50	8.349	33.634	8.344	26.171	186.2	0.120
60	7.881	33.710	7.875	26.300	174.1	0.138
64	7.880	33.711	7.874	26.302	174.1	0.145



STATION 154 CR 1

STA NO 154 CR 1 LAT: 41 54.0 N LONG:124 18.1 W
 7 MAY 1981 0831 GMT PROBE 2567 DEPTH 43M
 8.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	9.875	33.200	9.875	25.589	240.6	0.000
10	9.879	33.199	9.878	25.588	241.0	0.024
20	9.848	33.210	9.846	25.602	239.8	0.048
30	9.779	33.228	9.775	25.627	237.6	0.072
40	8.247	33.581	8.243	26.145	188.5	0.093

ACKNOWLEDGMENTS

Hydrography in the Coastal Ocean Dynamics Experiments is supported by the National Science Foundation through grant OCE-8014939. Additional support for the sections off Pt. Purisima and Crescent City was provided through NSF Grant OCE-8026131.

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